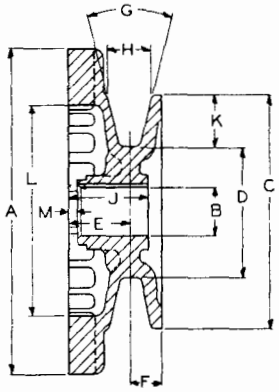
FAN TYPE PULLEY DATA

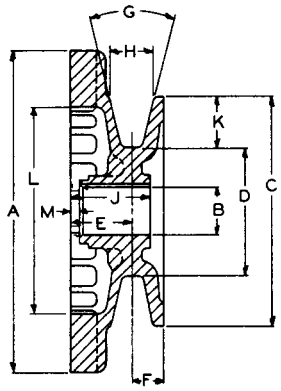


A-Fan Diameter
B-Bore Diameter
C-Pulley Diameter
D-Groove Depth Diameter
E-Center Line of Groove to Face of Fan
F-Center Line of Groove to Outside of Pulley
G-Groove Angle
H-Groove Width
J-Outer End of Hub to Face of Fan
K-Depth of Groove
L-Fan Clearance
M-Inner End of Hub to Face of Fan

Part No.	A	B	C	D	E	F	G	H	J	K	L	M	Key Way Width
PU-5 †	6 15/32	.750	4 1/16	3 1/16	1.042	5/16	36°	3/8	1.385	1/2	4 3/8	.323	.158
PU-6 †	6 15/32	.750	3 13/16	2 13/16	1.042	5/16	36°	3/8	1.385	1/2	4 3/8	.323	.158
PU-9 †	5 31/32	.669	3 13/16	2 13/16	1.069	5/16	36°	3/8	1.372	1/2	3 1/4	.372	.158
PU-10 †	5 31/32	.669	4 1/16	3 1/16	1.069	5/16	36°	3/8	1.372	1/2	3 1/2	.372	.158
PU-20 †	5 15/32	.669	3 1/16	2 1/16	1.098	5/16	36°	3/8	1.323	1/2	3 1/4	.448	.127
PU-21	4 31/32	.669	3	1 5/8	1.000	15/32	34°	11/16	1.125	11/16	3	.219	.127
PU-26 ‡	5 31/32	.669	3 1/4	1 7/8	1.171	15/32	34°	11/16	1.372	11/16	3	.372	.158
PU-29 †	5 31/32	.669	4 3/8	2 7/8	1.884	9/16	32°	27/32	1.372	3/4	4	.372	.158
PU-33, A, AS †	5 15/32	.669	3	2	1.136	3/8	34°	1/2	1.323	1/2	3 1/4	.448	.127
PU-38 †	6 15/32	.750	5	3 1/2	1.183	9/16	36°	3/4	1.635	3/4	4 3/8	.323	.158
PU-39, S †	7 15/32	.875	3 5/8	2 5/8	1.565	21/32	36°	3/8	2.235	1/2	5 1/8	.627	Spline
PU-43 †	5 31/32	.669	3 1/2	2 3/16	2.040	7/16	38°	5/8	1.372	21/32	3 1/4	.372	.158
PU-57 †	5 31/32	.669	4	2 13/16	1.171	17/32	28°	5/8	1.372	19/32	3	.372	.158
PU-69 †	6 15/32	.750	5 1/8	4 1/8	.948	5/16	36°	3/8	1.385	1/2	4 3/8	.323	.158
PU-70 †	6 15/32	.750	3	1 3/4	1.142	15/32	34°	11/16	1.385	5/8	4 3/8	.232	.158
PU-78 †	6 15/32	.750	3 1/4	2 1/16	.892	15/32	28°	5/8	1.323	19/32	4 3/8	.323	.158
PU-79 †	6 15/32	.750	3 1/2	2 5/16	.892	15/32	28°	5/8	1.323	19/32	4 3/8	.323	.158
PU-83, A, S †	5 15/32	.669	3	2 1/8	1.316	3/8	34°	1/2	1.323	7/16	3 1/4	.448	.127
PU-90 †	5 31/32	.750	4	2 3/8	1.166	17/32	34°	13/16	1.472	13/16	3 1/2	.535	.158
PU-94 †	5 15/32	.750	4 1/16	3 1/16	1.097	5/16	36°	3/8	1.488	1/2	3 1/4	.614	.158
PU-95 †	5 31/32	.750	3 5/16	2 5/16	1.066	5/16	36°	3/8	1.472	1/2	3 1/2	.535	.158
PU-96 †	5 31/32	.750	3 9/16	2 9/16	1.066	5/16	36°	3/8	1.472	1/2	3 1/2	.535	.158
PU-97 †	5 31/32	.750	3 13/16	2 13/16	1.066	5/16	36°	3/8	1.472	1/2	3 1/2	.535	.158
PU-98 †	5 31/32	.750	4 1/16	3 1/16	1.066	5/16	36°	3/8	1.472	1/2	3 1/2	.535	.158
PU-101 †	5 15/32	.750	4	2 3/8	1.291	17/32	34°	13/16	1.488	13/16	3 1/4	.614	.158
PU-102 †	5 15/32	.750	3 9/16	2 9/16	1.097	5/16	36°	3/8	1.488	1/2	3 1/4	.614	.158
PU-106, A, AS †	5 31/32	.669	3	1 3/4	1.424	7/16	38°	5/8	1.372	5/8	4	.372	.158
PU-109, S †	5 31/32	.669	3 1/2	2 5/8	1.172	3/8	34°	1/2	1.372	7/16	4	.372	.158
PU-112 †	6 15/32	.750	3 5/16	2 3/16	1.385	3/8	36°	1/2	1.385	9/16	4 3/8	.323	.158
PU-137†	5 31/32	.669	3 1/16	2 1/16	1.069	5/16	36°	3/8	1.372	1/2	2 5/16	.372	.158
PU-144 †	5 15/32	.669	3 1/2	1 7/8	1.291	17/32	34°	13/16	1.323	13/16	3 1/4	.448	.127
PU-147 †	6 15/32	.750	3 1/2	1 7/8	1.142	17/32	34°	13/16	1.385	13/16	4 3/8	.323	.158
PU-151 †	5 31/32	.669	3 1/2	1 7/8	1.171	17/32	34°	13/16	1.372	13/16	4	.372	.158
PU-162 †	6 15/32	.750	2 13/16	1 11/16	1.042	5/16	36°	3/8	1.385	9/16	4 3/8	.323	.158
PU-163‡	5 15/32	.669	4 3/16	3 1/16	1.098	5/16	36°	3/8	1.323	9/16	3 1/4	.448	.127
PU-166 †	5 15/32	.750	4 1/2	3 1/8	1.191	15/32	36°	11/16	1.488	11/16	3 1/4	.614	.158
PU-169 †	6 15/32	.750	3 1/2	2 5/8	1.142	15/32	34°	1/2	1.385	7/16	4 3/8	.323	.158
PU-170 †	6 15/32	.750	3 3/8	2 1/8	1.217	3/8	36°	9/16	1.385	5/8	4 3/8	.323	.158
PU-171 †	5 15/32	.750	3 1/2	1 7/8	1.291	17/32	34°	13/16	1.488	13/16	3 1/4	.614	.158
PU-177 †	5 15/32	.669	2 13/16	1 9/16	1.351	3/8	36°	9/16	1.295	5/8	3 3/8	.420	.127
PU-180 †	5 15/32	.669	2 11/16	1 9/16	1.035	11/32	36°	3/8	1.323	1/2	3 1/4	.448	.127
PU-182 †	5 31/32	.750	3 1/2	2 1/8	1.166	17/32	34°	11/16	1.472	11/16	4	.535	.158
PU-190 †	6 15/32	.750	3 11/16	2 3/8	1.217	3/8	36°	9/16	1.948	5/8	4 3/8	.323	.158
PU-191 †	6 15/32	.750	4	3 1/32	1.217	5/16	36°	3/8	1.948	1/2	4 3/8	.323	.158
PU-192 †	6 15/32	.750	3 1/3	2 5/16	1.217	3/8	36°	3/8	1.948	1/2	4 3/8	.323	.158
PU-193 †	6 15/32	.750	3	2 1/32	1.042	5/16	36°	7/16	1.948	1/2	4 3/8	.323	.158

† C.W. Only.
‡ C.C.W. Only.

FAN TYPE PULLEY DATA

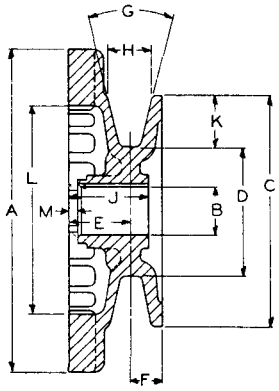


A-Fan Diameter
B-Bore Diameter
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D-Groove Depth Diameter
E-Center Line of Groove to Face of Fan
F-Center Line of Groove to Outside of Pulley
G-Groove Angle
H-Groove Width
J-Outer End of Hub to Face of Fan
K-Depth of Groove
L-Fan Clearance
M-Inner End of Hub to Face of Fan

Part No.	A	B	C	D	E	F	G	H	J	K	L	M	Key Way Width
PU-204 †	5 31/32	.669	3 1/8	1 7/8	1.233	3/8	36°	9/16	1.361	1/2	4	.361	.158
PU-205 †	5 31/32	.669	3 5/8	2 1/2	1.233	3/8	36°	1/2	1.361	9/16	4	.361	.158
PU-1001 †	5 15/32	.669	3 1/8	2 1/8	1.170	3/8	36°	3/8	1.295	1/2	3 1/4	.170	.127
PU-1004, A, AS, S †	5 15/32	.669	3 9/16	2 9/16	1.065	25/64	36°	3/8	1.290	1/2	3 1/4	.165	.127
PU-1014 †	5 15/16	.669	3 13/16	2 13/16	1.062	25/64	36°	3/8	1.360	1/2	4	.110	.158
PU-1017 †	5 15/32	.669	3 5/16	2 5/16	1.065	25/64	36°	3/8	1.290	1/2	3 1/4	.165	.127
PU-1041, A, AS †	5 15/16	.669	4 1/16	3 1/16	1.062	25/64	36°	3/8	1.360	1/2	4	.110	.158
PU-1071	5 15/32	.669	3 13/16	2 13/16	1.065	25/64	36°	3/8	1.290	1/2	3 1/4	.165	.127
PU-1073, A†	5 15/32	.669	4 1/16	3 1/16	1.065	25/64	36°	3/8	1.290	1/2	3 1/4	.165	.127
PU-1075, S †	5 15/32	.669	3 5/16	2 5/16	1.289	25/64	36°	3/8	1.290	1/2	3 1/4	.165	.127
PU-1080, S †	5 15/32	.669	3 1/4	2	1.157	1/2	36°	5/8	1.313	5/8	3 1/4	.188	.127
PU-1092 †	5 15/32	.750	3 9/16	2 9/16	1.078	3/8	36°	3/8	1.468	1/2	3 1/4	.257	.158
PU-1115 †	5 15/32	.750	3 5/16	2 5/16	1.070	3/8	36°	3/8	1.460	1/2	3 1/4	.249	.158
PU-1139 †	5 15/32	.750	3 13/16	2 13/16	1.070	25/64	36°	3/8	1.460	1/2	3 1/4	.249	.158
PU-1152†	5 15/32	.669	3 1/8	1 15/16	1.007	3/8	36°	7/16	1.295	1/2	3 1/4	.170	.127
PU-1164A †	5 15/32	.669	3 1/4	2	1.346	29/64	36°	9/16	1.290	5/8	3 1/4	.165	.127
PU-1164B †	5 15/32	.669	3 1/4	2	1.346	29/64	36°	9/16	1.290	5/8	3 1/4	.165	.127
PU-1183 †	5 15/32	.750	3 11/16	2 9/16	1.070	3/8	36°	7/16	1.460	9/16	3 1/4	.249	.158
PU-1196 †	5 15/32	.669	3 3/16	3 1/4	1.290	25/64	36°	7/16	1.290	1/2	3 1/4	.165	.127

† C.W. Only.
‡ C.C. W. Only.

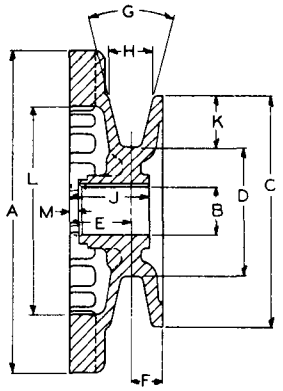
FAN TYPE PULLEY DATA



A-Fan Diameter
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H-Groove Width
J-Outer End of Hub to Face of Fan
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L-Fan Clearance
M-Inner End of Hub to Face of Fan

Part No.	A	B	C	D	E	F	G	H	J	K	L	M	Key Way Width
SP-93	4 15/32	.669	3 1/16	1 11/16	1.375	15/32	38°	11/16	1.125	11/16	2 7/8	0	.127
SP-93A	4 15/32	.669	2 7/8	1 1/2	1.375	15/32	38°	11/16	1.125	11/16	2 7/8	0	.127
SP-94	4 15/32	.669	3 1/16	1 1/2	.937	17/32	38°	3/4	1.125	25/32	2 7/8	0	.127
SP-94S	4 15/32	.669	3 1/16	1 1/2	.937	17/32	38°	3/4	1.125	25/32	2 7/8	0	.127
SP-95	4 15/32	.669	3 5/8	2 1/4	1.000	15/32	34°	11/16	1.125	11/16	2 7/8	0	.127
SP-134	4 15/32	.669	3 3/4	2 1/2	1.119	15/32	38°	3/4	1.125	5/8	2 7/8	0	.127
SP-135	4 15/32	.669	3 7/8	2 3/8	.994	1/2	38°	3/4	1.125	3/4	2 7/8	0	.127
SP-152	4 15/32	.669	3 7/8	2 1/2	1.000	15/32	34°	11/16	1.125	11/16	2 7/8	0	.127
SP-153	4 15/32	.669	3 1/2	2 1/8	1.000	15/32	34°	11/16	1.125	11/16	2 7/8	0	.127
SP-154	4 15/32	.669	3	1 5/8	1.000	15/32	34°	11/16	1.125	11/16	2 7/8	0	.127
SP-157, A	4 15/32	.669	3 1/4	1 7/8	1.000	15/32	34°	11/16	1.125	11/16	2 7/8	0	.127
SP-160	4 15/32	.669	3 7/8	2 1/2	1.000	15/32	38°	3/4	1.125	11/16	2 7/8	0	.127
SP-161	4 15/32	.669	4 3/4	3 1/4	1.125	9/16	36°	7/8	1.125	3/4	2 7/8	0	.127
SP-162	4 15/32	.669	4 1/2	3	1.125	9/16	36°	7/8	1.125	3/4	2 7/8	0	.127
SP-163	4 15/32	.669	4 13/32	2 29/32	1.283	1/2	38°	3/4	1.125	29/32	2 7/8	0	.127
SP-185	4 15/32	.669	3 1/2	2	.929	15/32	38°	3/4	1.125	3/4	2 7/8	0	.127
SP-191	4 15/32	.669	3 1/4	2	1.119	15/32	38°	3/4	1.125	5/8	2 7/8	0	.127
SP-198	5 15/32	.669	3 1/2	1 15/16	1.507	17/32	38°	3/4	1.375	25/32	4	0	.158
SP-199	4 15/32	.669	3 3/4	2 1/8	1.770	17/32	34°	13/16	1.125	13/16	2 7/8	0	.127
SP-199A	4 15/32	.669	3 3/4	2 1/4	1.770	17/32	38°	7/8	1.125	3/4	2 7/8	0	.127
SP-205	4 15/32	.669	3 13/16	2 5/16	1.125	17/32	38°	7/8	1.125	3/4	2 7/8	0	.127
SP-211	4 31/32	.669	3 7/8	2 3/8	1.226	19/32	35°	1	1.375	3/4	3 3/8	0	.158
SP-212	6 1/2	.985	4 3/8	2 7/8	1.546	9/16	38°	7/8	1.297	3/4	4 3/4	.172	.158
SP-214	4 15/32	.669	3 1/4	1 3/4	1.125	9/16	36°	7/8	1.125	3/4	2 7/8	0	.127
SP-216	4 15/32	.669	2 19/32	1 19/32	.843	3/8	30°	1/2	1.125	1/2	2 7/8	0	.127
SP-217	6 1/2	.985	5 1/4	3 5/8	1.719	1/2	36°	13/16	1.297	13/16	4 3/4	.172	.158
SP-218	4 31/32	.669	4	2 3/8	1.290	1/2	34°	13/16	1.375	13/16	3 3/8	0	.158
SP-222	4 31/32	.669	3 7/8	2 1/2	1.172	15/32	34°	11/16	1.375	11/16	3 3/8	0	.158
SP-231	4 31/32	.669	6	4 5/8	1.172	15/32	34°	11/16	1.375	11/16	3 3/8	0	.158
SP-232	4 31/32	.669	3 1/4	1 7/8	1.172	15/32	34°	11/16	1.375	11/16	3 3/8	0	.158
SP-233	5 15/32	.669	3 3/8	1 3/4	1.279	17/32	34°	13/16	1.375	13/16	4	0	.158
SP-238	4 15/32	.669	4 1/2	3 1/8	1.000	15/32	34°	11/16	1.125	11/16	2 7/8	0	.127
SP-240	4 31/32	.669	4 1/4	2 5/8	2.020	17/32	34°	13/16	1.125	13/16	3 3/8	0	.127
SP-244	4 15/32	.669	3 3/4	2 1/4	1.770	17/32	34°	7/8	1.125	3/4	2 7/8	0	.127
SP-246	4 15/32	.669	3	1 5/8	1.119	1/2	38°	3/4	1.125	11/16	2 7/8	0	.127
SP-253	4 15/32	.669	3	1 15/32	1.119	9/16	36°	1	1.125	3/4	2 7/8	0	.127
SP-254	4 1/8	.669	4 1/8	2 3/8	.806	5/8	34°	1	1.125	7/8	2 7/8	0	.127
SP-258	4 31/32	.669	7 1/8	5 3/4	1.172	15/32	34°	11/16	1.375	11/16	3 3/8	0	.158
SP-259	4 31/32	.669	4 1/2	3 1/8	1.172	15/32	34°	11/16	1.375	13/16	3 3/8	0	.158
SP-260	4 15/32	.669	3 7/8	2 3/8	1.054	19/32	35°	1	1.125	3/4	2 7/8	0	.127
SP-278	4 13/16	.625	4 1/16	2 3/4	.8125	1/2	28°	3/4	.906	21/32	2 7/8	.125	.188
SP-279	4 15/32	.669	4 1/16	2 3/4	.899	1/2	28°	3/4	1.125	21/32	2 7/8	0	.127
SP-286	4 31/32	.669	3 7/8	2 3/8	1.000	1/2	38°	3/4	1.375	3/4	3 3/8	0	.158
SP-287	4 31/32	.669	3 1/16	1 1/2	1.000	1/2	38°	3/4	1.375	25/32	3 3/8	0	.158
SP-289	4 31/32	.669	3 1/2	2 1/8	1.000	15/32	34°	11/16	1.375	11/16	3 3/8	0	.158
SP-290	4 31/32	.669	4 3/4	3 1/4	1.125	9/16	36°	7/8	1.375	3/4	3 3/8	0	.158
SP-291	4 31/32	.669	3 7/8	2 3/8	1.000	15/32	34°	11/16	1.375	3/4	3 3/8	0	.158
SP-314	4 15/32	.669	4 1/8	2 1/4	1.119	5/8	38°	1	1.125	15/16	2 7/8	0	.127
SP-316	4 31/32	.669	3 1/2	2 3/8	1.000	7/16	28°	5/8	1.375	9/16	3 3/8	0	.158
SP-317	4 31/32	.669	4 1/8	2 3/8	1.000	1/2	38°	3/4	1.375	7/8	3 3/8	0	.158

FAN TYPE PULLEY DATA

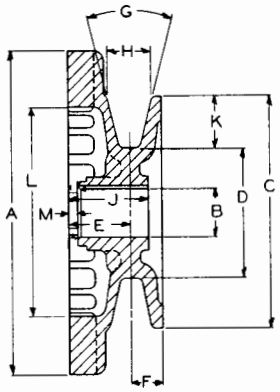


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Part No.	A	B	C	D	E	F	G	H	J	K	L	M	Key Way Width
SP-320	4 31/32	.669	3 15/16	2 5/8	1.000	1/2	28°	3/4	1.375	21/32	3 3/8	0	.158
SP-322	4 15/32	.669	3 13/16	2 3/16	1.125	17/32	34°	13/16	1.125	13/16	2 7/8	0	.127
SP-325	4 31/32	.669	3 1/4	1 7/8	1.000	15/32	34°	11/16	1.125	11/16	3	0	.127
SP-333	4 15/32	.669	3	1 3/4	1.375	15/32	36°	11/16	1.125	5/8	2 7/8	0	.127
SP-336	4 15/32	.669	3 1/2	2	.994	1/2	36°	3/4	1.125	3/4	2 7/8	0	.127
SP-338	4 15/32	.669	3 1/4	2	1.170	15/32	34°	5/8	1.125	5/8	2 7/8	0	.127
SP-340	5 15/32	.669	3 1/2	2	1.273	15/32	38°	3/4	1.375	3/4	4	0	.158
SP-342	6 1/2	.985	4 3/8	2 7/8	1.484	9/16	34°	7/8	1.297	3/4	4 3/4	.172	.158
SP-349	4 31/32	.625	3 3/4	2 3/8	.896	1/2	28°	3/4	.984	11/16	3	0	.189
SP-352	4 31/32	.669	4 1/4	2 7/8	1.100	15/32	34°	11/16	1.375	11/16	3 3/8	0	.158
SP-356	4 31/32	.669	2 1/2	1 1/4	.937	1/2	38°	3/4	1.125	5/8	3	0	.127
SP-358	4 15/32	.669	4 1/16	2 9/16	1.119	9/16	38°	7/8	1.125	3/4	2 7/8	0	.127
SP-362	4 31/32	.669	3 1/4	1 7/8	.905	1/2	28°	3/4	1.375	11/16	3 3/8	0	.158
SP-368	4 15/32	.669	3	1 3/8	1.125	17/32	34°	13/16	1.125	13/16	2 7/8	0	.127
SP-370	4 31/32	.669	3 3/4	2 1/4	1.054	19/32	35°	1	1.125	3/4	3 3/8	0	.127
SP-376	4 31/32	.669	3	1 3/4	1.141	15/32	36°	5/8	1.375	5/8	3 3/8	0	.158
SP-379	4 31/32	.669	4 1/2	3	1.000	17/32	36°	13/16	1.125	3/4	3	0	.127
SP-384	5 15/32	.669	4 1/2	2 7/8	1.195	17/32	34°	13/16	1.375	13/16	4	0	.158
SP-386	4 31/32	.669	3 1/2	1 15/16	1.478	17/32	34°	3/4	1.375	25/32	3 3/8	0	.158
SP-388	4 15/32	.669	3 3/4	2 1/8	1.125	17/32	34°	13/16	1.125	13/16	2 7/8	0	.127
SP-389	4 31/32	.669	3	1 5/8	1.000	15/32	34°	11/16	1.125	11/16	3	0	.127
SP-393	4 31/32	.669	2 1/2	1 1/4	1.000	1/2	38°	3/4	1.375	5/8	3 3/8	0	.158
SP-395	5 15/32	.669	4 5/8	3 3/8	1.344	29/64	34°	21/32	1.375	5/8	4	0	.158
SP-396	4 31/32	.669	3 11/16	2 1/4	.968	15/32	28°	5/8	1.375	23/32	3 3/8	0	.158
SP-408	4 31/32	.669	3 1/2	2	1.100	1/2	36°	3/4	1.375	3/4	3 3/8	0	.158
SP-409	4 31/32	.669	4	2 5/8	1.172	15/32	34°	11/16	1.375	11/16	3 3/8	0	.158
SP-410	4 31/32	.669	3 3/4	2 3/8	1.172	15/32	34°	11/16	1.375	11/16	3 3/8	0	.158
SP-411	4 31/32	.669	4 5/8	3 3/8	1.344	29/64	34°	21/32	1.375	5/8	3 3/8	0	.158
SP-412	6 1/2	.985	5 1/4	3 7/8	.972	1/2	36°	11/16	1.297	11/16	4 3/4	.172	.158
SP-413	4 15/32	.669	3 7/8	2 5/8	1.000	7/16	34°	5/8	1.125	5/8	2 7/8	0	.127
SP-415	4 31/32	.669	3 1/2	2 1/8	1.172	15/32	34°	11/16	1.375	11/16	3 3/8	0	.158
SP-416	4 15/32	.669	5	3 3/8	1.119	17/32	36°	13/16	1.125	13/16	2 7/8	0	.127
SP-419*	4 31/32	.669	4 3/8	2 7/8	.886	7/8	28°	5/8	1.375	23/32	3 3/8	0	.158
SP-423	3 17/32	.500	2	1 1/4	.6955	9/32	28°	3/8	.742	3/8	2 5/8	.031	.096
SP-424	4 31/32	.669	4 1/2	2 5/8	1.290	19/32	34°	15/16	1.375	15/16	3 3/8	0	.158
SP-427	4 31/32	.669	3	1 3/4	1.547	1/2	36°	11/16	1.375	5/8	3 3/8	0	.158
SP-428	4 31/32	.669	3 1/2	2	1.054	19/32	35°	1	1.125	3/4	3	.219	.127
SP-429	4 31/32	.669	3 3/16	1 3/4	.968	15/32	28°	5/8	1.375	23/32	3 3/8	0	.158
SP-431 †	5 15/16	.669	4	2 5/8	1.172	15/32	34°	11/16	1.375	11/16	3 3/8	0	.158
SP-433	4 31/32	.669	3	1 5/8	1.290	15/32	34°	11/16	1.375	11/16	3 3/8	0	.158
SP-441	4 15/32	.669	4 1/2	2 5/8	1.125	11/32	34°	13/16	1.125	13/16	2 7/8	0	.127
SP-444A †	5 15/16	.669	3 3/4	2 1/2	1.934	9/16	34°	7/8	1.777	5/8	3 3/8	.465	.127
SP-444AS†	5 15/16	.669	3 3/4	2 1/2	1.934	9/16	34°	7/8	1.777	5/8	3 3/8	.093	.127
SP-446	4 31/32	.669	3 1/4	1 5/8	1.290	17/32	34°	13/16	1.375	13/16	3 3/8	0	.158
SP-460	4 15/32	.669	2 1/2	1 1/2	1.125	3/8	34°	1/2	1.125	1/2	2 7/8	0	.127
SP-462	4 31/32	.669	3 3/4	2 1/8	1.730	1/2	34°	13/16	1.125	13/16	3 3/8	0	.127
SP-464	6 1/2	.985	4 3/8	2 7/8	1.534	9/16	34°	7/8	1.297	3/4	4 3/4	.172	.158

* Special Ford.
† C.W. Only.

FAN TYPE PULLEY DATA

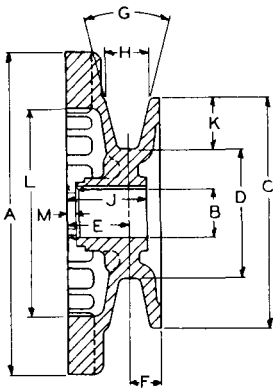


A-Fan Diameter
B-Bore Diameter
C-Pulley Diameter
D-Groove Depth Diameter
E-Center Line of Groove to Face of Fan
F-Center Line of Groove to Outside of Pulley
G-Groove Angle
H-Groove Width
J-Outer End of Hub to Face of Fan
K-Depth of Groove
L-Fan Clearance
M-Inner End of Hub to Face of Fan

Part No.	A	B	C	D	E	F	G	H	J	K	L	M	Key Way Width
SP-465A, B, C, CS	4 31/32	.669	3 13/16	2 3/16	1.125	17/32	34°	13/16	1.125	13/16	3	0	.127
SP-467 †	5 15/16	.669	4	2 5/8	1.887	15/32	34°	11/16	1.780	11/16	3 5/8	.093	.127
SP-470 †	5 15/16	.669	4 11/16	3 5/16	1.887	15/32	36°	11/16	1.780	11/16	3 5/8	.093	.127
SP-471 †	5 15/16	.669	3 1/4	1 7/8	1.172	15/32	34°	11/16	1.375	11/16	3 3/8	0	.158
SP-471A †	5 31/32	.669	3 1/4	2 1/16	1.172	15/32	28°	5/8	1.372	19/32	3 3/8	.372	.158
SP-471B †	5 31/32	.669	3 1/4	2 5/8	1.172	15/32	34°	11/16	1.372	11/16	3 3/8	.372	.158
SP-482	4 31/32	.669	3 1/2	2 3/16	1.100	7/16	38°	5/8	1.375	21/32	3 3/8	0	.158
SP-484A †	4 31/32	.669	3 1/2	2 3/16	2.059	7/16	38°	5/8	1.777	21/32	3 3/8	.465	.127
SP-484AB†	4 31/32	.669	3 1/2	2 3/16	2.075	1/2	34°	3/4	1.777	21/32	3 3/8	.465	.127
SP-484ABS†	4 31/32	.669	3 1/2	2 3/16	2.075	1/2	34°	3/4	1.777	21/32	3 3/8	.093	.127
SP-484AC, AD †	4 31/32	.669	3 1/2	2 3/16	2.059	7/16	38°	5/8	1.777	21/32	3 3/8	.465	.127
SP-484AS †	4 31/32	.669	3 1/2	2 3/16	2.059	7/16	38°	5/8	1.777	21/32	3 3/8	.093	.127
SP-486	4 31/32	.750	4 1/2	3	1.143	1/2	38°	13/16	1.768	3/4	3	.268	.158
SP-493†	6 1/2	.985	4 3/8	3	1.154	15/32	34°	11/16	1.375	11/16	3 3/4	0	.158
SP-496†	5 31/32	.669	3 3/4	2 3/8	1.172	15/32	34°	11/16	1.375	11/16	3 3/8	0	.158
SP-496A†	5 31/32	.669	3 3/4	2 3/8	1.172	15/32	34°	11/16	1.375	11/16	3 3/8	.372	.158
SP-502A†	4 31/32	.669	4	2 5/8	1.887	15/32	34°	11/16	1.777	11/16	3 3/8	.465	.127
SP-556A	4 31/32	.669	2 1/2	1 1/2	.813	3/8	30°	1/2	1.125	1/2	3 3/8	0	.127
SP-571†	4 31/32	.669	3 3/4	2 1/2	1.934	9/16	34°	7/8	1.780	5/8	3 3/8	.093	.127
SP-571A†	4 31/32	.669	3 3/4	2 1/2	1.934	9/16	34°	7/8	1.777	5/8	3 3/8	.465	.127
SP-580	5 15/32	.669	4 1/2	2 5/8	1.366	5/8	34°	1	1.375	15/16	4	0	.158
SP-581	7 1/2	.985	4	2 5/8	1.628	15/32	34°	11/16	1.297	11/16	5 1/8	.172	.158
SP-584	3 17/32	.500	4 5/16	3 3/16	.890	15/32	36°	11/16	.879	9/16	2 5/8	.031	.096
SP-594†	5 15/16	.669	3 3/4	2 3/8	1.190	15/32	34°	11/16	1.780	11/16	3 3/8	.093	.127
SP-610	4 31/32	.669	3 1/2	2 1/2	1.000	3/8	34°	1/2	1.125	1/2	3	0	.127
SP-611	4 31/32	.669	4 1/8	2 3/4	1.172	15/32	34°	11/16	1.375	11/16	3 3/8	0	.158
SP-640A†	4 31/32	.669	3 3/4	2 1/2	1.340	7/16	34°	5/8	1.777	5/8	3 3/8	.465	.127
SP-640AS†	4 31/32	.669	3 3/4	2 1/2	1.340	7/16	34°	5/8	1.777	5/8	3 3/8	.093	.127
SP-641A	4 15/32	.669	2 7/8	1 5/8	1.375	7/16	34°	5/8	1.125	5/8	2 7/8	0	.127
SP-668	7 1/2	.985	5	3 5/8	1.752	9/16	34°	7/8	1.297	11/16	5 1/8	.172	.158
SP-688	7 1/2	.985	4	2 3/4	1.752	9/16	45°	7/8	1.297	5/8	5 1/8	.172	.158
SP-698†	6 1/2	.669	4 3/8	3	1.741	15/32	34°	11/16	1.375	11/16	3 3/4	0	.158
SP-724	6 1/2	.875	4 1/2	3	1.528	19/32	36°	7/8	2.232	3/4	4 3/4	.6225	Spline
SP-741	4 31/32	.669	3 13/16	2 13/16	1.125	3/8	34°	1/2	1.125	1/2	3	0	.127
SP-743	7 1/2	.985	8 7/8	7 1/2	1.752	7/16	38°	21/32	1.297	11/16	5 1/8	.172	.158
SP-753†	5 15/16	.669	3 3/4	2 1/2	1.340	7/16	34°	5/8	1.777	5/8	3 3/8	.465	.127
SP-755	6 1/2	.875	3 3/4	2 1/2	2.190	7/16	38°	5/8	2.235	5/8	4 3/4	.6275	Spline
SP-757B	4 31/32	.669	3 7/8	2 1/2	1.000	15/32	34°	11/16	1.125	11/16	3	0	.127
SP-762	6 1/2	.875	4 1/2	3	1.528	19/32	36°	7/8	2.232	3/4	4 3/4	.6225	Spline
SP-806†	5 31/32	.669	3 1/2	2 1/8	1.172	15/32	34°	11/16	1.375	11/16	3 3/8	0	.158
SP-806A†	5 31/32	.669	3 1/2	2 5/16	1.172	15/32	28°	5/8	1.372	19/32	3 3/8	.372	.158
SP-808†	5 15/16	.669	4	3	1.223	3/8	36°	1/2	1.375	1/2	3 3/8	0	.158
SP-818†	5 15/16	.669	3 3/16	2 3/16	1.309	17/32	34°	13/16	1.777	13/16	3 3/8	.465	.127
SP-826, S	4 15/32	.669	3 13/16	2 1/2	1.323	7/16	34°	5/8	1.786	21/32	2 1/2	0	.127
SP-842	4 31/32	.669	3 1/4	1 7/8	1.119	9/16	34°	7/8	1.125	11/16	3	0	.127

† C.W. Only.

FAN TYPE PULLEY DATA

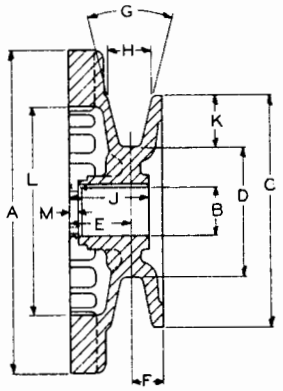


A-Fan Diameter
B-Bore Diameter
C-Pulley Diameter
D-Groove Depth Diameter
E-Center Line of Groove to Face of Fan
F-Center Line of Groove to Outside of Pulley
G-Groove Angle
H-Groove Width
J-Outer End of Hub to Face of Fan
K-Depth of Groove
L-Fan Clearance
M-Inner End of Hub to Face of Fan

Part No.	A	B	C	D	E	F	G	H	J	K	L	M	Key Way Width
SP-844	4 31/32	.669	4 1/8	2 1/4	1.119	5/8	38°	1	1.125	15/16	3	0	.127
SP-849†	5 15/16	.669	4 3/8	2 7/8	1.259	9/16	32°	7/8	1.372	3/4	3 3/8	.372	.158
SP-852†	5 31/32	.669	4 1/2	2 7/8	1.692	17/32	34°	13/16	1.786	13/16	3 1/8	.473	.127
SP-858	4 31/32	.669	3 1/4	1 7/8	1.000	15/32	34°	11/16	1.121	11/16	3	.277	.127
SP-862	4 31/32	.669	4 1/2	3	1.093	17/32	36°	13/16	1.125	3/4	3	0	.127
SP-863†	5 31/32	.750	4 1/2	2 7/8	1.769	13/32	34°	13/16	1.786	13/16	4	.473	.158
SP-865†	6 15/32	.750	4 1/2	2 7/8	1.183	17/32	34°	13/16	1.388	13/16	4 3/8	.323	.158
SP-873†	6 15/32	.750	3 1/2	2 1/8	1.417	15/32	34°	11/16	1.385	11/16	4 3/8	.323	.158
SP-874‡	6 15/32	.750	3 1/2	2 1/8	1.417	15/32	34°	11/16	1.385	11/16	4 3/8	.323	.158
SP-875†	6 15/32	.750	3 3/4	3 1/16	1.196	19/32	35°	1	1.385	11/32	4 3/8	.323	.158
SP-877†	7 15/32	.875	4 1/2	2 5/8	2.217	5/8	34°	15/16	2.232	15/16	5 1/8	.6225	Spline
SP-879†	6 15/32	.750	5	3 3/8	1.183	9/16	36°	7/8	1.636	13/16	4 3/8	.323	.158
SP-880†	5 31/32	.669	3 1/2	2	1.126	1/2	36°	3/4	1.341	3/4	3 3/4	.372	.158
SP-882†	6 15/32	.750	4	2 5/8	1.160	15/32	34°	11/16	1.385	11/16	4 3/8	.323	.158
SP-887†	5 31/32	.669	3 1/2	2 1/8	1.172	15/32	34°	11/16	1.372	11/16	3 3/8	.372	.158
SP-894†	5 31/32	.669	4 1/2	3 3/8	1.172	15/32	36°	11/16	1.372	11/16	3 3/8	.372	.158
SP-895†	5 31/32	.669	4	2 3/8	1.291	17/32	34°	13/16	1.372	13/16	3 3/4	.372	.158
SP-896†	5 31/32	.669	3 1/4	1 5/8	1.291	17/32	34°	13/16	1.372	13/16	3 3/4	.372	.158
SP-899, A†	5 31/32	.669	4	2 5/8	1.172	15/32	34°	11/16	1.372	11/16	3 3/4	.372	.158
SP-900†	5 31/32	.669	3	1 5/8	1.547	15/32	34°	11/16	1.372	11/16	3 3/4	.372	.158
SP-901†	7 15/32	.875	3 3/4	2 1/8	1.622	19/32	34°	7/8	2.232	13/16	5 1/8	.6225	Spline
SP-903†	6 15/32	.750	3 1/4	1 7/8	1.142	15/32	34°	11/16	1.386	11/16	4 3/8	.323	.158
SP-904†	6 15/32	.750	3 1/2	2 1/8	1.142	15/32	34°	11/16	1.385	11/16	4 3/8	.323	.158
SP-904A†	6 15/32	.750	3 1/4	2 1/16	1.142	15/32	28°	5/8	1.385	19/32	4 3/8	.323	.158
SP-904B†	6 15/32	.750	3 1/2	2 5/16	1.142	15/32	28°	5/8	1.385	19/32	4 3/8	.323	.158
SP-904C†	6 15/32	.750	3 1/2	2 5/16	1.142	15/32	28°	5/8	1.385	19/32	4 3/8	.5885	.158
SP-904D†	6 15/32	.750	3 1/4	2 1/16	1.142	15/32	28°	5/8	1.385	19/32	4 3/8	.5885	.158
SP-905†	6 15/32	.750	3 1/2	2 1/8	1.142	15/32	34°	11/16	1.385	11/16	4 3/8	.5885	.158
SP-906†	6 15/32	.750	3 1/4	1 7/8	1.142	15/32	34°	11/16	1.385	11/16	4 3/8	.5885	.158
SP-910, A, AS, S	4 31/32	.625	3	1 3/4	.941	7/16	34°	5/8	.963	5/8	2 7/8	0	.189
SP-911, A, AS†	5 31/32	.669	3 3/4	2 1/8	1.291	1/2	34°	13/16	1.372	13/16	3 3/8	.372	.158
SP-923†	7 15/32	.875	4 1/2	2 7/8	1.264	17/32	34°	13/16	2.232	13/16	5 1/8	.6225	Spline
SP-928†	4 31/32	.669	3 1/4	1 7/8	1.054	19/32	35°	1	1.125	11/16	3	.219	.127
SP-929, A, AS†	5 31/32	.669	3 1/2	2	1.223	19/32	35°	1	1.372	3/4	3 3/4	.372	.158
SP-931, A, AS†	7 15/32	.875	4 1/2	2 3/4	2.217	5/8	34°	7/8	2.232	7/8	5 1/8	.6225	Spline
SP-933†	6 15/32	.750	4 3/4	3 1/8	1.323	17/32	36°	13/16	1.636	13/16	4 3/8	.323	.158
SP-934†	6 1/2	.875	5 3/4	4 1/8	2.000	9/16	34°	51/64	2.281	13/16	4 3/4	.593	Spline
SP-935†	5 31/32	.669	3	2 1/2	1.172	9/32	45°	3/8	1.372	3/8	3 1/2	.372	.158
SP-939, S†	6 15/32	.750	4 1/2	3 1/8	1.142	15/32	36°	11/16	1.386	11/16	4 3/8	.323	.158
SP-940†	6 15/32	.750	3 11/16	2 1/4	.992	15/32	28°	5/8	1.041	27/32	4 3/8	.041	.158
SP-950†	5 15/32	.669	4 1/2	3 1/8	1.198	15/32	36°	11/16	1.323	11/16	3 1/4	.448	.127
SP-955†	5 15/32	.669	3 3/4	2 3/8	1.198	15/32	34°	11/16	1.323	11/16	3 1/4	.448	.127
SP-956†	5 15/32	.669	3 1/4	1 7/8	1.252	19/32	35°	1	1.323	11/16	3 1/4	.448	.127
SP-961†	6 15/32	.750	4	2 3/8	1.142	17/32	34°	13/16	1.385	13/16	4 3/8	.323	.158

† C.W. Only.
‡ C.C.W. Only.

FAN TYPE PULLEY DATA

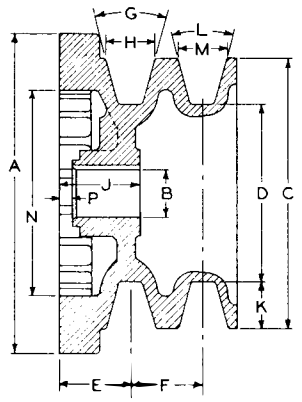


A-Fan Diameter
B-Bore Diameter
C-Pulley Diameter
D-Groove Depth Diameter
E-Center Line of Groove to Face of Fan
F-Center Line of Groove to Outside of Pulley
G-Groove Angle
H-Groove Width
J-Outer End of Hub to Face of Fan
K-Depth of Groove
L-Fan Clearance
M-Inner End of Hub to Face of Fan

Part No.	A	B	C	D	E	F	G	H	J	K	L	M	Key Way Width
SP-963†	5 15/32	.669	3 13/16	2 3/16	1.323	17/32	34°	13/16	1.323	13/16	3 1/4	.448	.127
SP-964, A, AS †	5 15/32	.669	4	2 3/8	1.292	17/32	34°	13/16	1.323	13/16	3 1/4	.448	.127
SP-974†	6 15/32	.750	3 5/16	2 5/16	1.042	5/16	36°	3/8	1.386	1/2	4 3/8	.323	.158
SP-975 †	6 15/32	.750	3 9/16	2 9/16	1.042	5/16	36°	3/8	1.386	1/2	4 3/8	.323	.158
SP-976†	5 31/32	.669	3 9/16	2 9/16	1.069	5/16	36°	3/8	1.372	1/2	3 1/16	.372	.158
SP-983, A†	5 31/32	.669	4	2 5/8	1.172	17/32	34°	13/16	1.372	11/16	4	.372	.158
SP-984†	5 31/32	.669	3 3/4	2 1/2	1.322	7/16	34°	5/8	1.372	5/8	3 3/8	.372	.158
SP-1174A	4 15/32	.669	3 1/2	2 1/8	1.000	15/32	34°	11/16	1.125	11/16	3	0	.127
SP-1178A	4 15/32	.669	3 1/16	1 1/2	.937	1/2	38°	3/4	1.125	25/32	3	0	.127
SP-1182	4 15/32	.669	3 21/32	2 13/32	1.375	1/2	36°	11/16	1.125	5/8	3	0	.127
SP-1220	4 15/32	.669	3 1/4	1 7/8	1.000	15/32	34°	11/16	1.125	11/16	3	0	.127
SP-1225	4 15/32	.669	3 1/2	2	.929	1/2	36°	3/4	1.125	3/4	3	0	.127
SP-1234A	4 15/32	.669	3 3/4	2 3/8	1.000	15/32	34°	11/16	1.125	11/16	3	0	.127
SP-1280	4 15/32	.669	3 1/2	2 1/8	1.149	1/2	28°	3/4	1.125	11/16	3	0	.127
SP-1285S	4 15/32	.625	3 1/2	2 1/8	1.149	1/2	28°	3/4	.984	11/16	3	0	.189
SP-1296	4 31/32	.669	3 1/2	2	.929	1/2	36°	3/4	1.125	3/4	3	0	.127
SP-1299, A, B	4 31/32	.669	3 1/2	2 1/8	1.000	15/32	34°	11/16	1.125	11/16	3	0	.127
SP-1310	4 31/32	.669	3 3/4	2 3/8	1.000	15/32	34°	11/16	1.125	11/16	3	0	.127
SP-1311	4 31/32	.669	4 1/2	3 1/8	1.000	15/32	34°	11/16	1.125	11/16	3	0	.127
SP-1323	4 31/32	.669	3 1/16	1 1/2	.937	1/2	38°	3/4	1.125	25/32	3	0	.127
SP-1334	4 31/32	.669	3 21/32	2 13/32	1.375	1/2	36°	11/16	1.125	5/8	3	0	.127
SP-1350	4 15/32	.669	3 1/2	2 3/16	.929	7/16	38°	5/8	1.125	21/32	3	0	.127
SP-1354	4 31/32	.669	3 19/32	2 11/32	.969	1/2	36°	5/8	1.125	5/8	3	0	.127
SP-1373, S	4 31/32	.625	3 1/4	1 7/8	1.149	1/2	24°	3/4	.984	11/16	3	0	.189
SP-1885	4 31/32	.669	3 1/2	2 3/16	1.869	7/16	38°	5/8	1.125	21/32	3	0	.127
SP-1889	4 31/32	.669	3 1/4	1 7/8	1.000	15/32	34°	11/16	1.125	11/16	3	0	.127
SP-1913, A, AS, S†	5 15/16	.669	3 1/4	1 7/8	1.172	15/32	34°	11/16	1.375	11/16	4	.125	.158
SP-1917	4 31/32	.669	3 5/32	2 5/64	1.000	11/32	42°	3/8	1.125	3/8	3	0	.127
SP-1926	4 31/32	.669	3 1/8	1 5/8	.929	1/2	36°	3/4	1.125	3/4	3	0	.127
SP-1936, A, AS †	5 15/32	.669	3 1/4	1 7/8	1.180	15/32	34°	11/16	1.305	11/16	3 1/4	.180	.127
SP-1949, A†	5 15/32	.669	3 1/2	2 1/8	1.170	15/32	34°	11/16	1.295	11/16	3 1/4	.170	.127
SP-1954, A, AS †	5 15/32	.669	4 1/2	3 1/8	1.180	15/32	36°	11/16	1.305	11/16	3 1/4	.180	.127
SP-1958†	5 15/32	.669	3 1/8	1 5/8	1.153	1/2	36°	3/4	1.323	3/4	3 1/4	.198	.127
SP-1960†	5 15/32	.669	3 9/16	2 11/32	1.167	1/2	36°	5/8	1.323	5/8	3 1/4	.198	.127
SP-1962†	5 15/32	.669	3 1/16	1 1/2	1.117	1/2	38°	3/4	1.305	3/4	3 1/4	.180	.127
SP-1977, A, AS †	5 15/16	.669	3 5/16	2 5/16	1.062	3/8	36°	3/8	1.365	1/2	4	.115	.158
SP-1986, A, AS †	5 15/32	.669	3 1/2	2 3/16	2.067	7/16	38°	5/8	1.323	21/32	3 1/4	.198	.127
SP-1987†	5 15/32	.669	3	1 7/8	1.180	7/16	34°	5/8	1.305	9/16	3 1/4	.180	.127
SP-1990†	5 15/32	.669	3 1/8	2 1/8	1.007	3/8	36°	3/8	1.295	1/2	3 1/4	.170	.127

† C. W. Only.

FAN TYPE PULLEY DATA



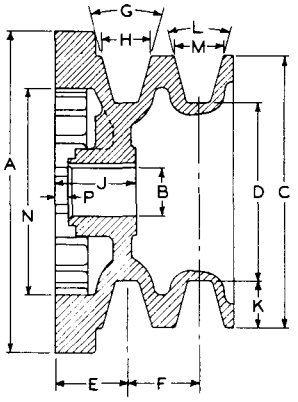
A-Fan Diameter
B-Bore Diameter
C-Pulley Diameter
D-Groove Depth Diameter
E-Center Line of Inner Groove to Face of Fan
F-Distance Between Groove Center Lines
G-Inner Groove Angle
H-Inner Groove Width
J-Outer End of Hub to Face of Fan
K-Depth of Groove
L-Outer Groove Angle
M-Outer Groove Width
N-Fan Clearance
P-Inner End of Hub to Face of Fan

Part No.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Key Way Width
PU-16†	6 15/32	.750	4 1/16	3 1/16	1.042	15/32	36°	3/8	1.385	1/2	36°	3/8	4 3/8	.323	.158
PU-23,S	7 1/2	.875	5	3 5/8	1.625	15/16	34°	11/16	2.235	11/16	34°	11/16	5 1/8	.628	Spline
PU-25,S	7 1/2	.875	5	3 1/2	1.625	1 1/4	36°	13/16	2.235	3/4	36°	13/16	5 1/8	.628	Spline
PU-27†	7 15/32	.875	4 1/2	3 1/8	1.263	3/4	38°	5/8	2.231	11/16	38°	5/8	5 1/8	.623	Spline
PU-28†	5 15/32	.669	3	1 3/4	1.136	27/32	34°	5/8	1.323	5/8	34°	5/8	3 1/4	.448	.127
PU-34†	5 31/32	.750	4 1/16	3 1/16	1.066	15/32	36°	3/8	1.847	1/2	36°	3/8	3 1/2	.535	.158
PU-36†	5 15/32	.669	3 3/4	2 3/4	1.042	1/2	36°	3/8	1.323	1/2	36°	3/8	3 1/4	.448	.127
PU-44†	5 15/32	.750	4 1/16	3 1/16	1.097	15/32	36°	3/8	1.926	1/2	36°	3/8	3 1/4	.614	.158
PU-45†	5 15/32	.750	3 5/16	2 5/16	1.097	15/32	36°	3/8	1.488	1/2	36°	3/8	3 1/4	.614	.158
PU-45S†	5 15/32	.750	3 5/16	2 5/16	1.097	15/32	36°	3/8	1.488	1/2	36°	3/8	3 1/4	.172	.158
PU-46†	5 15/32	.750	4 1/16	3 1/16	1.097	15/32	36°	3/8	1.488	1/2	36°	3/8	3 1/4	.614	.158
PU-54†	5 15/32	.750	3 9/16	2 9/16	1.097	15/32	36°	3/8	1.488	1/2	36°	3/8	3 1/4	.614	.158
PU-55†	5 15/32	.750	3 13/16	2 13/16	1.097	15/32	36°	3/8	1.488	1/2	36°	3/8	3 1/4	.614	.158
PU-55S†	5 15/32	.750	3 13/16	2 13/16	1.097	15/32	36°	3/8	1.488	1/2	36°	3/8	3 1/4	.172	.158
PU-58†	5 31/32	.669	3 3/4	2 3/4	1.013	1/2	36°	3/8	1.372	1/2	36°	3/8	3 3/8	.372	.158
PU-60†	5 31/32	.750	3 5/16	2 5/16	1.066	15/32	36°	3/8	1.472	1/2	36°	3/8	3 1/2	.535	.158
PU-61†	5 31/32	.750	3 9/16	2 9/16	1.066	15/32	36°	3/8	1.472	1/2	36°	3/8	3 1/2	.535	.158
PU-62†	5 31/32	.750	3 13/16	2 13/16	1.066	15/32	36°	3/8	1.472	1/2	36°	3/8	3 1/2	.535	.158
PU-63†	5 31/32	.750	4 1/16	3 1/16	1.066	15/32	36°	3/8	1.472	1/2	36°	3/8	3 1/2	.535	.158
PU-64†	7 15/32	.875	4 1/2	3 1/8	1.263	15/16	36°	11/16	2.231	11/16	36°	11/16	5 1/8	.623	Spline
PU-66†	7 15/32	*	5 1/2	3 7/8	1.649	1.000	36°	13/16	1.680	13/16	36°	13/16	5 1/8	.680	.252
PU-67†	6 15/32	.750	3 9/16	2 9/16	1.042	15/32	36°	3/8	1.385	1/2	36°	3/8	4 3/8	.323	.158
PU-68†	6 15/32	.750	3 5/16	2 5/16	1.042	15/32	36°	3/8	1.385	1/2	36°	3/8	4 3/8	.323	.158
PU-88†	5 15/32	.750	4 1/2	3 1/8	1.300	7/8	36°	11/16	1.926	11/16	36°	11/16	3 1/4	.614	.158
PU-89†	7 15/32	.875	4 13/32	3 13/32	1.638	1/2	36°	3/8	2.231	1/2	36°	3/8	5 1/8	.623	Spline
PU-103†	5 15/32	.750	4 9/16	3 9/16	1.198	11/16	36°	1/2	1.926	1/2	36°	1/2	3 1/4	.614	.158
PU-104†	6 15/32	.750	4 9/16	3 7/16	1.142	11/16	36°	1/2	1.386	9/16	36°	1/2	4 3/8	.323	.158
PU-105†	6 15/32	.750	4 1/2	3 1/8	1.142	7/8	36°	11/16	1.636	11/16	36°	11/16	4 3/8	.323	.158
PU-107†	5 31/32	.750	4 9/16	3 7/16	1.166	11/16	36°	1/2	1.848	9/16	36°	1/2	4	.535	.158
PU-108†	5 31/32	.750	4 1/2	3 1/8	1.166	7/8	36°	11/16	1.848	11/16	36°	11/16	4	.535	.158
PU-110,S	6 1/2	.875	4	3	1.160	21/32	36°	3/8	1.648	1/2	36°	3/8	4 3/4	.117	Spline
PU-117,S	6 1/2	.875	4 11/16	3 1/16	1.299	1	36°	13/16	2.235	13/16	36°	13/16	4 3/4	.628	Spline
PU-118,S	6 1/2	.875	4 1/2	3	1.547	15/16	34°	3/4	2.235	3/4	34°	3/4	4 3/4	.628	Spline
PU-119,S	6 1/2	.875	3 5/16	2 3/16	1.363	11/16	36°	1/2	1.648	9/16	36°	1/2	4 3/4	.117	Spline
PU-124, S†	5 31/32	.875	3 3/4	2 3/8	2.272	7/8	34°	11/16	2.622	11/16	34°	11/16	3 1/8	.622	Spline
PU-141†	6 15/32	.750	4	2 1/2	1.480	15/16	34°	3/4	1.626	3/4	34°	3/4	4 3/8	.323	.158
PU-142†	5 15/32	.749	3 1/2	2 1/8	1.198	7/8	34°	11/16	1.926	11/16	34°	11/16	3 1/4	.614	.158
PU-143†	5 15/32	.749	3 1/2	1 7/8	1.299	1 1/4	34°	13/16	1.926	13/16	34°	13/16	3 1/4	.614	.158
PU-145†	5 31/32	.749	3 1/2	2 1/8	1.166	7/8	36°	11/16	1.848	11/16	36°	11/16	4	.535	.158
PU-146†	6 15/32	.750	3 1/2	1 7/8	1.142	1 1/4	34°	13/16	1.636	13/16	34°	13/16	4 3/8	.323	.158
PU-148†	5 31/32	.749	3 1/2	1 7/8	1.166	1 1/4	34°	13/16	1.848	13/16	34°	13/16	4	.535	.158
PU-149†	6 15/32	.749	3 1/2	2 1/8	1.142	7/8	36°	11/16	1.636	11/16	36°	11/16	4 3/8	.323	.158
PU-167†	5 15/32	.749	4 1/2	3 3/8	1.198	11/16	36°	9/16	1.488	11/16	36°	9/16	3 1/4	.614	.158
PU-172†	5 31/32	.875	5 1/2	3 7/8	2.210	1	36°	13/16	2.622	13/16	36°	13/16	3 1/8	.622	Spline
PU-173†	5 31/32	.875	3 3/4	2 1/8	2.210	1	36°	13/16	2.622	13/16	36°	13/16	3 1/8	.622	Spline
PU-174†	5 31/32	.875	3 3/4	2 3/8	2.272	7/8	34°	11/16	2.622	11/16	34°	11/16	3 1/8	.622	Spline
PU-176†	7 15/32	.875	4 1/2	3 1/4	1.185	5/8	36°	1/2	2.231	5/8	36°	1/2	5 1/8	.622	Spline
PU-194†	5 31/32	.669	3 1/8	2 1/16	1.069	9/16	36°	3/8	1.372	1/2	36°	3/8	4	.372	.158
PU-195†	5 31/32	.669	3 3/8	2 3/8	1.069	9/16	36°	7/16	1.372	1/2	36°	1/2	4	.372	.158

† C. W. Only.
* Tapered .990-.875.

FAN TYPE PULLEY DATA

(Issued 4-16-56)

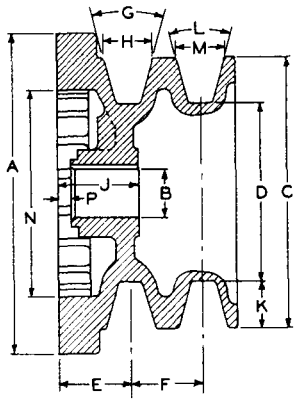


A-Fan Diameter
B-Bore Diameter
C-Pulley Diameter
D-Groove Depth Diameter
E-Center Line of Inner Groove to Face of Fan
F-Distance Between Groove Center Lines
G-Inner Groove Angle
H-Inner Groove Width
J-Outer End of Hub to Face of Fan
K-Depth of Groove
L-Outer Groove Angle
M-Outer Groove Width
N-Fan Clearance
P-Inner End of Hub to Face of Fan

Part No.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Key Way Width
SP-165	4 15/32	.750	5	3 1/2	.893	1 1/8	36°	13/16	1.643	3/4	36°	13/16	3 1/8	.268	.158
SP-190	4 15/32	.669	4 15/16	3 1/8	1.181	3/4	34°	5/8	1.125	19/32	34°	5/8	2 7/8	0	.127
SP-197	4 31/32	.669	4 15/16	3 1/8	1.353	3/4	34°	5/8	1.375	19/32	34°	5/8	3 3/8	0	.158
SP-213	4 31/32	.984	3 3/4	2 1/2	1.037	15/16	45°	11/16	1.658	5/8	45°	11/16	3 9/32	.283	.127
SP-243	4 15/32	.750	4 1/2	3	1.000	1 1/4	36°	13/16	1.643	3/4	36°	13/16	3 1/8	.268	.158
SP-265	4 15/32	.669	4	2 1/2	.937	1 1/16	38°	25/32	1.125	3/4	38°	25/32	2 7/8	0	.127
SP-266	4 15/32	.669	4	2 5/8	.963	7/8	36°	3/4	1.125	11/16	36°	3/4	2 7/8	0	.127
SP-267	4 31/32	.669	4 3/4	3 3/8	1.134	7/8	36°	3/4	1.375	11/16	36°	3/4	3 3/8	0	.158
SP-301	4 31/32	.750	4 1/2	3 1/8	1.007	1 1/4	36°	13/16	1.445	11/16	36°	13/16	3 3/8	.070	.158
SP-365	5 15/32	.669	4 9/16	3 7/16	1.273	13/16	45°	19/32	1.375	9/16	45°	19/32	4	0	.158
SP-367, S	6 1/2	.985	5 1/4	3 7/8	1.656	15/16	38°	3/4	1.297	11/16	38°	3/4	4 3/4	.172	.158
SP-375	4 31/32	.669	4 3/4	3 3/8	1.134	7/8	36°	3/4	2.125	11/16	36°	3/4	3 3/8	0	.158
SP-378	4 31/32	.750	4 1/2	3	1.000	1 1/4	36°	13/16	1.643	3/4	36°	13/16	3 1/8	.268	.158
SP-391	4 31/32	.750	3 1/4	1 7/8	1.007	1 1/4	36°	13/16	1.445	11/16	36°	13/16	3 3/8	.070	.158
SP-418	6 1/2	.875	5	3 3/8	1.549	1 1/16	36°	13/16	2.235	13/16	36°	13/16	4 3/4	.172	Spline
SP-436*	4 31/32	.669	4 11/16	3 1/4	.968	7/8	28°	5/8	1.375	23/32	28°	5/8	3 3/8	0	.158
SP-437*	4 31/32	.669	3 5/32	1 11/16	.968	7/8	28°	5/8	1.375	5/8	28°	5/8	3 3/8	0	.158
SP-447	6 1/2	.985	5	3 1/2	1.702	27/32	38°	23/32	1.297	3/4	38°	23/32	4 3/4	.172	.158
SP-461	6 1/2	.875	5 1/4	4	1.596	15/16	38°	3/4	2.235	5/8	38°	3/4	4 3/4	.172	Spline
SP-466	6 1/2	.985	5 1/2	4 5/16	1.377	3/4	28°	5/8	1.297	19/32	28°	5/8	4 3/4	.172	.158
SP-485	6 1/2	.669	3 1/4	2 3/8	.773	5/8	36°	31/64	1.255	7/16	36°	31/64	4 1/4	.255	.158
SP-497	4 31/32	.669	3 1/2‡	2 1/8‡	1.134	3/4	34°	15/32	1.375	11/16	34°	5/8	3 3/8	0	.158
SP-579	4 31/32	.669	4 1/8	2 1/2	1.353	1 1/16	34°	13/16	1.375	13/16	34°	13/16	3 3/8	0	.158
SP-586	6 1/2	.669	4 9/32	3 1/2	.773	5/8	36°	31/64	1.255	7/8	36°	31/64	4 1/4	.255	.158
SP-635	6 1/2	.985	4 15/16	3 11/16	1.718	13/16	36°	5/8	1.297	5/8	36°	5/8	4 3/4	.172	.158
SP-687	7 1/2	.875	4	2 5/8	1.625	13/16	34°	11/16	2.625	11/16	34°	11/16	5 1/8	.625	Spline
SP-702	4 31/32	.750	4 1/2	3	1.143	1	34°	13/16	2.315	3/4	34°	13/16	3	.268	.158
SP-710	7 1/2	.875	4 7/8	3 1/2	1.625	13/16	34°	11/16	2.625	11/16	34°	11/16	5 1/8	.625	Spline
SP-711††	5 5/8	.788	4 1/2	3 1/4	1.057	13/16	28°	5/8	2.198	3/4	28°	5/8	3 1/4	.437	††
SP-714	6 1/2	.875	5 1/4	3 7/8	1.656	15/16	36°	11/16	2.235	11/16	36°	11/16	4 3/4	.172	Spline
SP-715	6 1/2	.875	5 9/16	3 15/16	1.300	1	36°	13/16	2.235	13/16	36°	13/16	4 3/4	.172	Spline
SP-725	6 1/2	.875	4 11/16	3 1/16	1.222	1	36°	3/4	4.558	13/16	36°	3/4	4 3/4	.107	Spline
SP-752	6 1/2	.875	4 11/16	3 1/16	1.300	1	36°	13/16	2.235	13/16	36°	13/16	4 3/4	.172	Spline
SP-754	6 1/2	.875	4 1/2	3	1.547	15/16	34°	3/4	2.235	3/4	34°	3/4	4 3/4	.172	Spline
SP-758	4 31/32	.669	4 1/2	3	1.290	15/16	34°	3/4	1.375	3/4	34°	3/4	3 3/8	0	.158
SP-783, A	7 1/2	.875	5	3 1/2	1.625	1 1/4	36°	13/16	2.235	3/4	36°	13/16	5 1/8	.172	Spline
SP-784	4 31/32	.750	3 1/2	2 1/8	1.000	15/16	34°	11/16	1.643	11/16	34°	11/16	3 1/8	.268	.158
SP-816	4 31/32	.750	5 9/16	3 15/16	1.504	1	36°	13/16	1.786	13/16	36°	13/16	3	.473	.158
SP-820†	5 31/32	.875	5 1/2	3 7/8	2.210	1	36°	13/16	2.622	13/16	36°	13/16	3 1/8	.622	Spline
SP-823†	6 15/32	.750	4 1/2	3	1.605	15/16	34°	3/4	1.586	3/4	34°	3/4	3 1/16	.273	.158
SP-825†	6 15/32	.750	5 9/16	3 15/16	1.357	1	36°	13/16	1.586	13/16	36°	13/16	3 1/16	.273	.158
SP-828†	5 31/32	.750	5 9/16	3 15/16	1.520	1	36°	13/16	1.785	13/16	36°	13/16	3 1/16	.473	.158
SP-829†	5 31/32	.750	4 1/2	3	1.767	15/16	34°	3/4	1.785	3/4	34°	3/4	3 1/16	.473	.158
SP-830	7 1/2	.875	5	3 5/8	1.627	1 1/8	34°	11/16	2.235	11/16	34°	11/16	5 1/8	.172	Spline
SP-831†	6 15/32	.750	4 7/8	3 1/4	1.216	1 1/16	36°	13/16	1.586	13/16	36°	13/16	3 1/16	.273	.158
SP-845, A, AS	4 31/32	.669	4 1/8	2 11/16	.963	7/8	38°	5/8	1.125	23/32	38°	5/8	3	0	.127
SP-847, A, AS†	5 31/32	.875	3 3/4	2 1/8	2.210	1	36°	13/16	2.622	13/16	36°	13/16	3 1/8	.622	Spline
SP-848	5 15/32	.750	4 1/2	2 7/8	1.366	1	34°	1	1.625	13/16	34°	13/16	4	.250	.158
SP-851†	5 31/32	.750	4 1/8	2 1/2	1.379	1 1/16	34°	13/16	1.786	13/16	34°	13/16	3 1/16	.473	.158
SP-855†	6 15/32	.750	4 1/2	3 1/8	1.216	15/16	36°	11/16	1.586	11/16	36°	11/16	3 1/16	.273	.158
SP-857†	5 31/32	.750	4 1/2	3 1/8	1.832	15/16	36°	11/16	1.786	11/16	36°	11/16	4	.473	.158

‡ Inner V Dia. is 4" Dia. "C" and 3" Dia. at "D".
* Special Ford.
† C. W. Only.
†† Threaded Bore .7875-20.

FAN TYPE PULLEY DATA



A-Fan Diameter
B-Bore Diameter
C-Pulley Diameter
D-Groove Depth Diameter
E-Center Line of Inner Groove to Face of Fan
F-Distance between Groove Center Lines
G-Inner Groove Angle
H-Inner Groove Width
J-Outer End of Hub to Face of Fan
K-Depth of Groove
L-Outer Groove Angle
M-Outer Groove Width
N-Fan Clearance
P-Inner End of Hub to Face of Fan

Part No.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Key Way Width
SP-866, A, AS	7 1/2	.875	5	3 3/8	1.627	1 1/16	36°	13/16	2.235	13/16	36°	13/16	5 1/8	.172	Spline
SP-871†	6 15/32	.750	4 1/2	3 1/8	1.323	15/16	36°	11/16	1.635	11/16	36°	11/16	4 3/8	.323	.158
SP-872†	6 15/32	.750	4 7/8	3 1/4	1.323	1 1/16	36°	13/16	1.635	11/16	36°	13/16	4 3/8	.323	.158
SP-876†	6 15/32	.750	4 1/8	2 1/2	1.323	1 1/16	34°	13/16	1.635	13/16	34°	13/16	4 3/8	.323	.158
SP-878†	6 15/32	.750	5 1/2	4 1/8	1.183	7/8	36°	3/4	1.635	11/16	36°	3/4	4 3/8	.323	.158
SP-883†	6 15/32	.750	4 1/2	3	1.712	15/16	34°	3/4	1.635	3/4	34°	3/4	4 3/8	.323	.158
SP-897†	5 31/32	.669	4 1/2	3	1.291	15/16	34°	3/4	1.372	3/4	34°	3/4	3 3/4	.372	.158
SP-938†	6 15/32	.750	4	2 3/8	1.142	1 1/4	34°	13/16	1.635	13/16	34°	13/16	4 3/8	.323	.158
SP-948, A, AS†	5 15/32	.750	4	2 3/8	1.300	1 1/4	34°	13/16	1.926	13/16	34°	13/16	3 1/4	.614	.158
SP-959, A, B†	5 15/32	.750	3 1/2	2 1/8	1.300	15/16	34°	11/16	1.926	11/16	34°	11/16	3 1/4	.614	.158
SP-965†	5 31/32	.750	4	2 1/2	1.167	1 1/4	34°	13/16	1.848	3/4	34°	13/16	4	.535	.158

† C. W. Only.

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
14L05	2	5/16 Lock Washer
23564	2	Frame Screw
(24062)	1	Frame & Field Assy.
23450	2	Frame Screw Ins. Tube
23874	4	Pole Piece
23876	1	Field Coil Assy. - Comp.
20064	1	Ins. Tube
22367	1	Terminal
22773	1	Terminal
22897	1	Ins. Bushing
23210	3	Lead Insulation
23594	1	C.B. Lead Assy.
22268	2	Wire Clip
22367	2	Terminal
22897	1	Ins. Bushing
23877	1	Field Coil - U.R.
23878	1	Field Coil - L.R.
23879	1	Field Coil - L.L.
23880	1	Field Coil - U.L.
23920	1	Head Band Aligning Pin
14205412	8	Pole Piece Screw

Comm. End Plate Assembly & Parts Used With

14L56	4	#6 Lock Washer
14L60	3	#10 Lock Washer
22116	1	Gasket
22600	1	Ball Brg. - S.A.E. #202
23663	1	Bearing Spacer
23669	1	C.E. Cap Cover
23703	1	Brush - 3rd
23846	2	Brush - Main
(23881)	1	Comm. End Plate Assy.
20660	3	#6 Skpf. Washer
22139	1	1/4 Oiler - Hinged Top
22157	1	Felt Washer
22158	1	Felt Washer Retainer
22599	1	Lock Spring Ring
22605	1	Felt Guard
22748	1	Spring Washer
22750	1	Snap Ring
23417	1	3rd Brush Plate Adjusting Pinion
23551	3	3rd Brush Plate Retaining Spring
23671	1	Felt Wick
23852	2	Brush Spring
24011	1	3rd Brush Holder Plate Assembly
23585	1	Brush Spring
24063	1	Comm. End Plate Part Assy.
17156004	3	#6-32x1/4 Rd. Hd. Screw
14156004	4	#6-32x1/4 Rd. Hd. Screw
20160004	3	#10-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

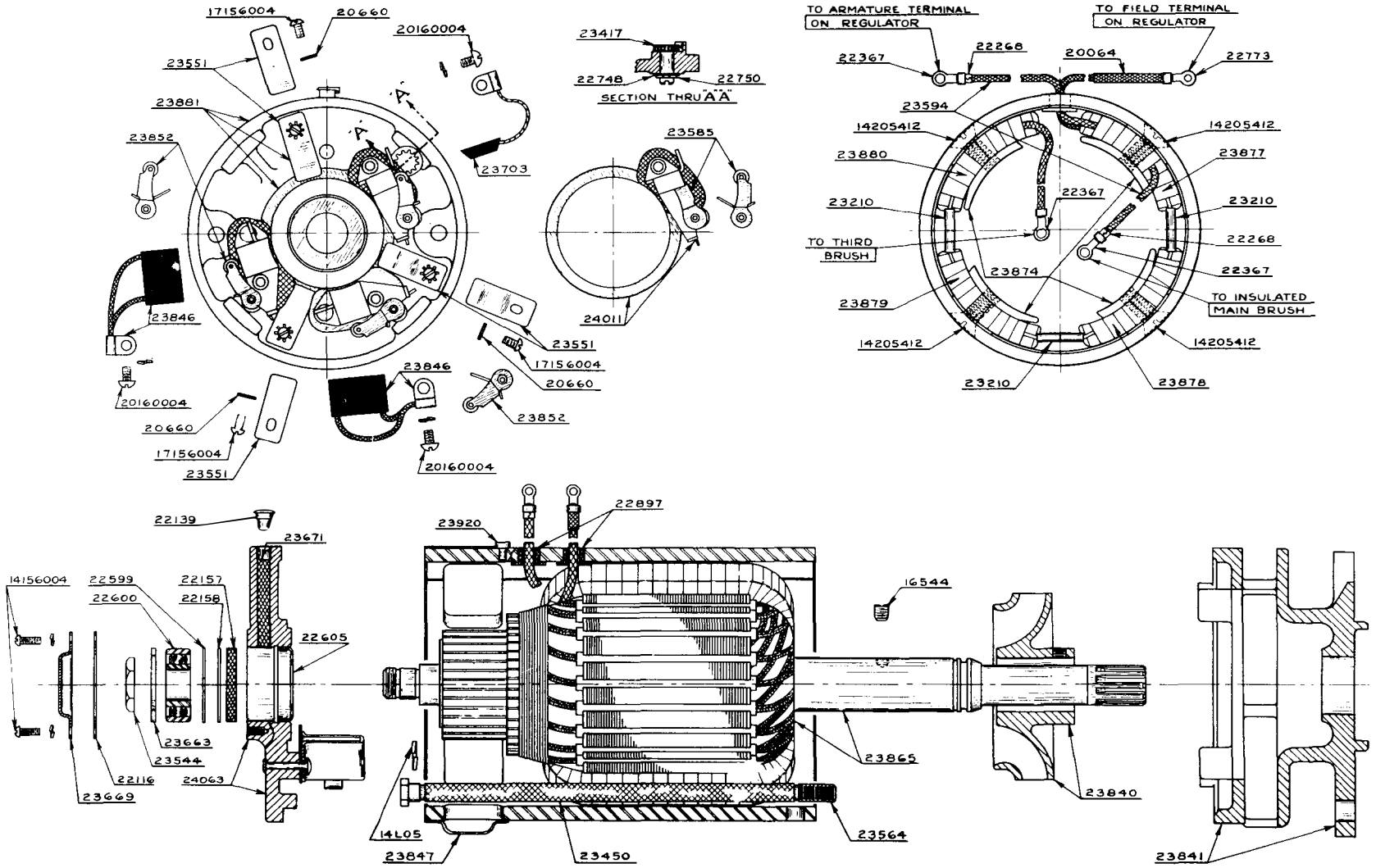
Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
16544	1	1/4-20 Set Screw
23544	1	9/16-18 Hex. Nut
23840	1	Ventilating Fan
23865	1	Armature Assembly
		Miscellaneous Parts
22169	2	#10 Lock Washer
23841	1	Drive End Head
23847	1	Head Band Assembly
40210	1	C.B. & Reg. Assembly
24N7600	1	#10-32 Hex. Nut
20117	1	#6 Lock Washer
20134	1	Fuse Retainer
20688	1	#10 Skpf. Washer
21248	1	Cover
22169	2	#10 Lock Washer
22676	1	Spring
22678	1	Fuse - 5 Amp.
22679	1	Insulation
23150	1	Base Insulation
14156004	1	#6-32x1/4 Rd. Hd. Screw
14158004	2	#8-32x1/4 Rd. Hd. Screw
24160006	2	#10-32x3/8 Rd. Hd. Screw
24160004	2	#10-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

(Issued 9-25-35)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

CO-1300 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part 1 2 3 4 5
14L05	2	5/16 Lock Washer
23695	2	Frame Screw
23750	1	Mounting Bracket
23763	4	5/16-18x7/16 Flat Hd. Sc.
24000	1	3/4-16 Hex. Nut
24001	1	3/4 Lock Washer
(24064)	1	Frame & Field Assy.
23450	2	Frame Screw Ins. Tube
23874	4	Pole Piece
23876	1	Field Coil Assy. - Comp.
20064	1	Insulating Tube
22367	1	Terminal
22773	1	Terminal
22897	1	Insulating Bushing
23210	3	Lead Insulation
23594	1	C.B. Lead Assy.
22268	2	Wire Clip
22367	2	Terminal
22897	1	Ins. Bushing
23877	1	Field Coil - U.R.
23878	1	Field Coil - L.R.
23879	1	Field Coil - L.L.
23880	1	Field Coil - U.L.
23920	1	Head Band Aligning Pin
14205412	8	Pole Piece Screw

Comm. End Plate Assembly & Parts Used With

14L56	4	#6 Lock Washer
14L60	3	#10 Lock Washer
22116	1	Gasket
22600	1	Ball Brg. - S.A.E. #202
23669	1	C.E. Cap Cover
23703	1	Brush - 3rd
23846	2	Brush - Main
(23881)	1	Comm. End Plate Assy.
20660	3	#6 Skpf. Washer
22139	1	1/4 Oiler - Hinged Top
22157	1	Felt Washer
22158	1	Felt Washer Retainer
22599	1	Lock Spring Ring
22605	1	Felt Guard
22748	1	Spring Washer
22750	1	Snap Ring
23417	1	3rd Brush Plate Adjusting Pinion
23551	3	3rd Brush Plate Retaining Spring
23671	1	Felt Wick
23852	2	Brush Spring
24011	1	3rd Brush Holder Plate Assembly
23585	1	Brush Spring
24063	1	Comm. End Plate Part Assy.
17156004	3	#6-32x1/4 Rd. Hd. Screw
14156004	4	#6-32x1/4 Rd. Hd. Screw
20160004	3	#10-32x1/4 Rd. Hd. Screw 1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part 1 2 3 4 5
23329	1	#7 Woodruff Key
23544	1	9/16-18 Hex. Nut
23709	1	Armature Assembly
23859	1	Drive Pulley

Drive End Head Assembly & Parts Used With

23857	1	Drive End Head Assy.
14L58	4	#8 Lock Washer
13040	1	1/4 Oiler - Press in Type
23431	1	Ball Brg. - S.A.E. #205
23558	1	Bearing Retainer
23559	1	Felt Washer Retainer
23560	2	Gasket
23561	1	Felt Washer
23562	1	Felt Washer Retainer
23563	1	Felt Washer
23844	1	Oil Wick
23856	1	Drive End Head
17158006	4	#8-32x3/8 Rd. Hd. Screw

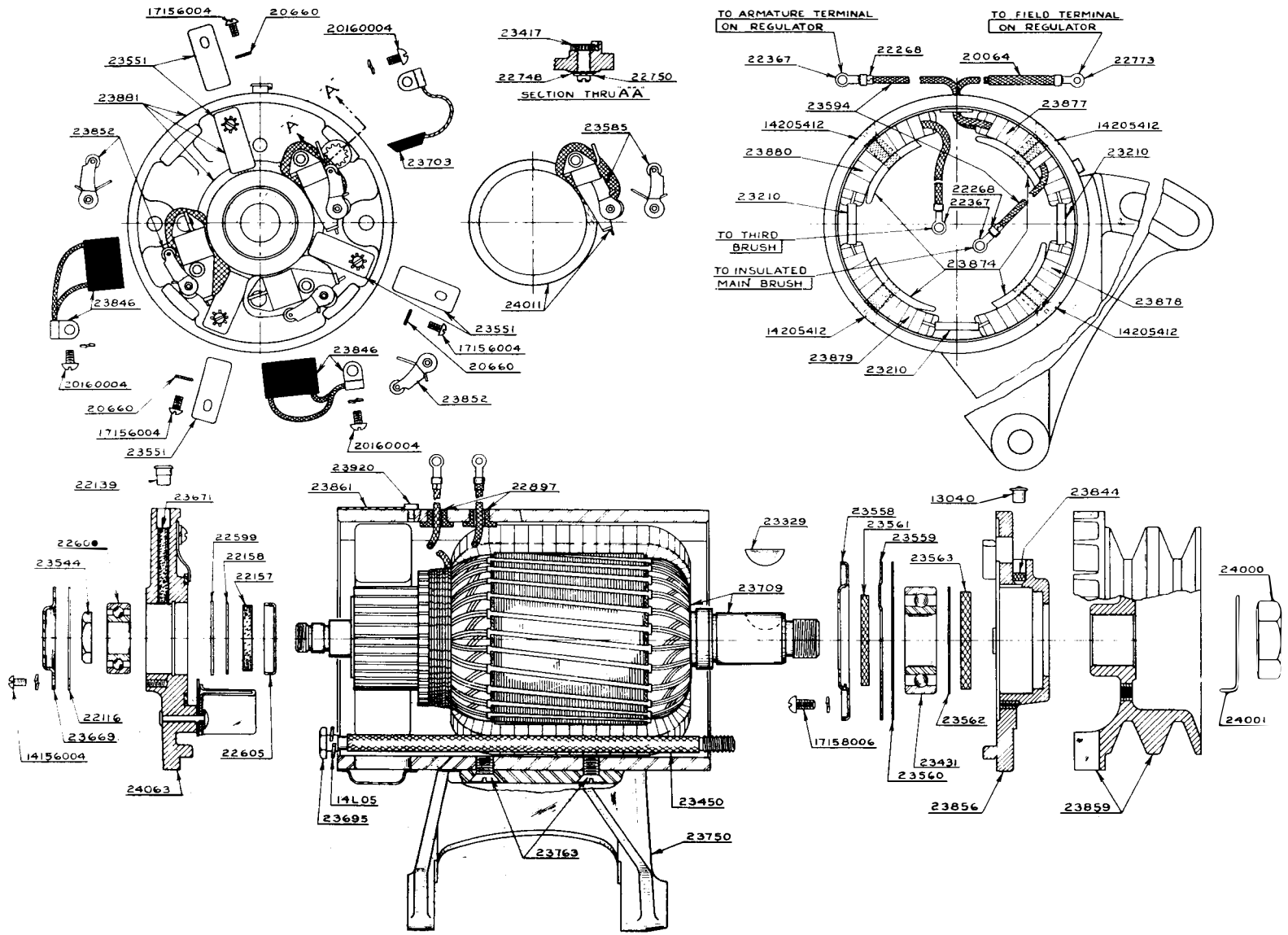
Miscellaneous Parts

22169	2	#10 Lock Washer
23861	1	Head Band Assembly
40210	1	C.B. & Reg. Assembly
24N7600	1	#10-32 Hex. Nut
20117	1	#6 Lock Washer
20134	1	Fuse Retainer
20688	1	#10 Skpf. Washer
21243	1	Cover
22169	2	#10 Lock Washer
22676	1	Spring
22678	1	Fuse - 5 Ampere
22679	1	Insulation
23150	1	Base Insulation
14156004	1	#6-32x1/4 Rd. Hd. Screw
14158004	2	#8-32x1/4 Rd. Hd. Screw
24160006	2	#10-32x3/8 Rd. Hd. Screw
24160004	2	#10-32x1/4 Rd. Hd. Screw 1 2 3 4 5

(Issued 9-27-35)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be a sembled a needed."

CO-1304 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part 1 2 3 4 5
14L05	2	5/16 Lock Washer
24033	2	Frame Screw
(24068)	1	Frame & Field Assy.
23400	4	Pole Piece
23450	2	Frame Screw Ins. Tube
24036	1	Field Coil Assy. - Comp.
20064	1	Ins. Tube
22367	1	Terminal
22773	1	Terminal
23210	3	Lead Insulation
23877	1	Field Coil - U.R.
23878	1	Field Coil - L.R.
23879	1	Field Coil - L.L.
23880	1	Field Coil - U.L.
24006	1	C.B. Lead Assy.
22268	2	Wire Clip
22367	2	Terminal
22897	1	Ins. Bushing
26950	1	Ins. Washer
14205412	8	Pole Piece Screw

Comm. End Plate Assembly & Parts Used With

14L60	3	#10 Lock Washer
23703	1	Brush - 3rd
(24007)	1	Comm. End Plate Assy.
20660	3	#6 Skpf. Washer
22139	1	1/4 Oiler - Hinged Top
22711	1	Ball Brg. - S.A.E. #204
22748	1	Spring Washer
22750	1	Snap Ring
23406	1	C.E. Bearing Cover
23417	1	3rd Brush Plate Adjusting Pinion
23440	1	Felt Washer
23442	1	Gasket
23444	1	Felt Washer Retainer
23445	1	Bearing Retainer
23446	1	Bearing Retainer Ring
23551	2	3rd Brush Plate Retain'g Spring
23585	2	Brush Spring
24011	1	3rd Brush Holder Plate Assembly
23585	1	Brush Spring
24046	1	3rd Brush Plate Retain'g Spring
24065	1	C.E. Plate Part Assy.
17156004	3	#6-32x1/4 Rd. Hd. Screw
24048	2	Brush - Main
20160004	3	#10-32x1/4 Rd. Hd. Screw 1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part 1 2 3 4 5
GAA-69	1	Lock Spring Ring
GG-238	1	Oil Thrower - D.E.
MF-80	1	Plain Steel Washer
16544	1	1/4-20 Set Screw
23448	1	Armature Shaft Nut
23840	1	Ventilating Fan
24003	1	Armature Assembly
24073	1	Plain Steel Washer

Drive End Head Assembly & Parts Used With

24047	1	Drive End Head Assy.
13040	1	1/4 Oiler - Press in Type
22711	1	Ball Brg. - S.A.E. #204
24008	1	Drive End Head

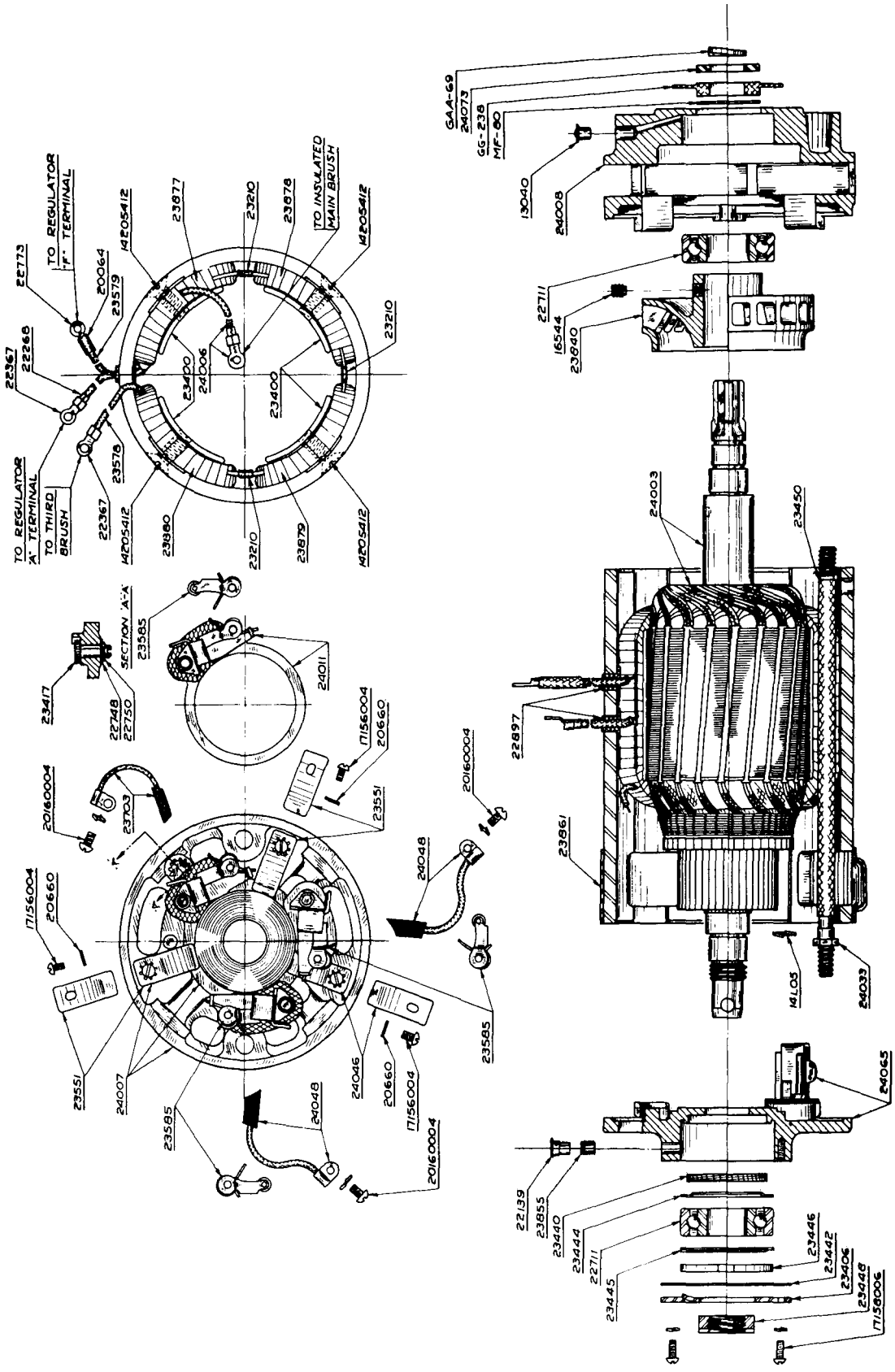
Miscellaneous Parts

22169	2	#10 Lock Washer
23861	1	Head Band Assembly
40300	1	C.B. & Reg. Assy.
24N7600	1	#10-32 Hex. Nut
20117	1	#6 Lock Washer
20134	1	Fuse Retainer
20688	1	#10 Skpf. Washer
21248	1	Cover
22169	2	#10 Lock Washer
22676	1	Spring
22678	1	Fuse - 5 Amps.
22679	1	Insulation
23150	1	Base Insulation
14156004	1	#6-32x1/4 Rd. Hd. Screw
14158004	2	#8-32x1/4 Rd. Hd. Screw
24160006	2	#10-32x3/8 Rd. Hd. Screw
24160004	2	#10-32x1/4 Rd. Hd. Screw 1 2 3 4 5

(Issued 12-5-35)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

CO-1305 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
14L05	2	5/16 Lock Washer
23695	2	Frame Screw
(24069)	1	Frame & Field Assy.
23400	4	Pole Piece
23450	2	Frame Screw Ins. Tube
23920	1	Head Band Aligning Pin
24034	1	Field Coil Assy. - Comp.
20064	1	Ins. Tube
22367	1	Terminal
22773	1	Terminal
22897	1	Ins. Bushing
23210	3	Lead Ins.
24006	1	C.B. Lead Assy.
22268	2	Wire Clip
22367	2	Terminal
22897	1	Ins. Bushing
24028	1	Field Coil - U.R.
24029	1	Field Coil - L.R.
24030	1	Field Coil - L.L.
24031	1	Field Coil - U.L.
14205412	8	Pole Piece Screw

Comm. End Plate Assembly & Parts Used With

14L56	4	#6 Lock Washer
14L60	3	#10 Lock Washer
22116	1	Gasket
22600	1	Ball Brg. - S.A.E. #202
23544	1	9/16-18 Hex. Nut
23663	1	Bearing Spacer
23669	1	C.E. Cap Cover
23703	1	Brush - 3rd
23846	2	Brush - Main
(24049)	1	Comm. End Plate Assy.
20660	3	#6 Skpf. Washer
22139	1	1/4 Oiler - Hinged Top
22157	1	Felt Washer
22158	1	Felt Washer Retainer
22599	1	Lock Spring Ring
22605	1	Felt Guard
22748	1	Spring Washer
22750	1	Snap Ring
23417	1	3rd. Br. Plate Adjusting Pinion
23551	3	3rd. Br. Plate Retaining Spring
23671	1	Felt Wick
23852	2	Brush Spring
24011	1	3rd. Br. Holder Plate Assembly
23585	1	Brush Spring
24067	1	C.E. Plate Part Assy.
17156004	3	#6-32x1/4 Rd. Hd. Sc.
14156004	4	#6-32x1/4 Rd. Hd. Screw
20160004	3	#10-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
16544	1	1/4-20 Set Screw
24015	1	Armature Assembly
24018	1	Armature Shaft Spacer
24021	1	Armature Shaft Collar
24061	1	Ventilating Fan

Drive End Head Assembly & Parts Used With

24017	1	Drive End Head Assembly
14L58	4	#8 Lock Washer
13040	1	1/4 Oiler - Press in Type
23426	1	Felt Washer
23431	1	Ball Brg.-S.A.E. #205
24016	1	Drive End Head
24019	1	Felt Washer Retainer
24022	1	Bearing Retainer
17158005	4	#8-32x5/16 Rd. Hd. Screw

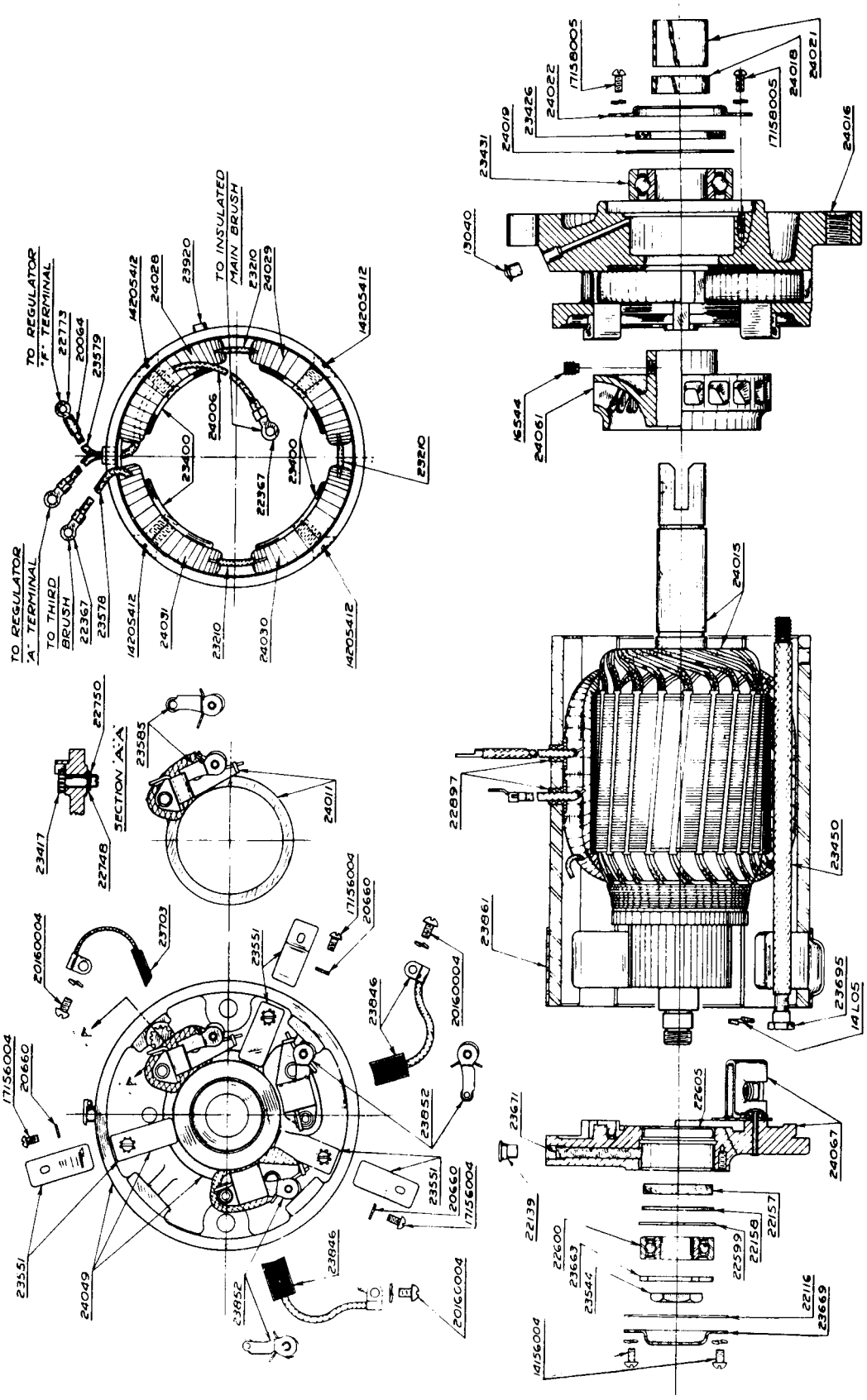
Miscellaneous Parts

21624	1	C.B. & Reg. Assy.
24N7600	1	#10-32 Hex. Nut
20117	1	#6 Lock Washer
20134	1	Fuse Retainer
20688	1	#10 Skpf. Washer
20758	1	Fuse - 7 1/2 Amps.
21248	1	Cover
22169	2	#10 Lock Washer
22676	1	Spring
22679	1	Insulation
23150	1	Base Insulation
14156004	1	#6-32x1/4 Rd. Hd. Screw
14158004	2	#8-32x1/4 Rd. Hd. Screw
24160006	2	#10-32x3/8 Rd. Hd. Screw
22169	2	#10 Lock Washer
23861	1	Head Band Assembly
24160004	2	#10-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

(Issued 12-3-35)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

CO-1306 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
14L05	2	5/16 Lock Washer
23695	2	Frame Screw
(24071)	1	Frame & Field Assy.
23400	4	Pole Piece
23450	2	Frame Screw Ins. Tube
23920	1	Head Band Aligning Pin
24027	1	Field Coil Assy. - Comp.
20064	1	Ins. Tube
22367	1	Terminal
22773	1	Terminal
22897	1	Ins. Bushing
23210	3	Lead Ins.
23731	1	C.B. Lead Assy.
22268	2	Wire Clip
22367	2	Terminal
22897	1	Ins. Bushing
24028	1	Field Coil - U.R.
24029	1	Field Coil - L.R.
24030	1	Field Coil - L.L.
24031	1	Field Coil - U.L.
24058	1	Aligning Dowel
26950	1	Insulating Washer
14205412	8	Pole Piece Screw

Comm. End Plate Assembly & Parts Used With

14L60	3	#10 Lock Washer
23703	1	Brush - 3rd
23846	2	Brush - Main
(24057)	1	Comm. End Plate Assy.
14L58	4	#8 Lock Washer
20660	3	#6 Skpf. Washer
22139	1	1/4 Oiler - Hinged Top
22711	1	Ball Brg. - S.A.E. #204
22748	1	Spring Washer
22750	1	Snap Ring
23406	1	C.E. Bearing Cover
23417	1	3rd Brush Plate Adjusting Pinion
23440	1	Felt Washer
23442	1	Gasket
23444	1	Felt Washer Retainer
23445	1	Bearing Retainer
23446	1	Bearing Retainer Ring
23551	3	3rd Brush Plate Retain'g Spring
23852	2	Brush Spring
23855	1	Oil Wick
24011	1	3rd Brush Holder Plate Assembly
23585	1	Brush Spring
24066	1	C.E. Plate Part Assy.
17156004	3	#6-32x1/4 Rd. Hd. Sc.
17158006	4	#8-32x3/8 Rd. Hd. Sc.
20160004	3	#10-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
10L09	1	9/16 Lock Washer
13348	1	#6 Woodruff Key
22164	1	9/16-18 Hex. Nut
23448	1	Armature Shaft Nut
24023	1	Drive Pulley
24025	1	Armature Assembly

Drive End Head Assembly & Parts Used With

23729	1	Drive End Head Assy.
13040	1	1/4 Oiler - Press in Type
22711	1	Ball Brg. - S.A.E. #204
23407	1	Bearing Retainer
23442	1	Gasket
23693	1	D.E. Head
24081	1	Felt Washer
24082	1	Felt Retainer
24083	1	Felt Guard
17258006	4	#8-32x3/8 Flat Hd. Screw

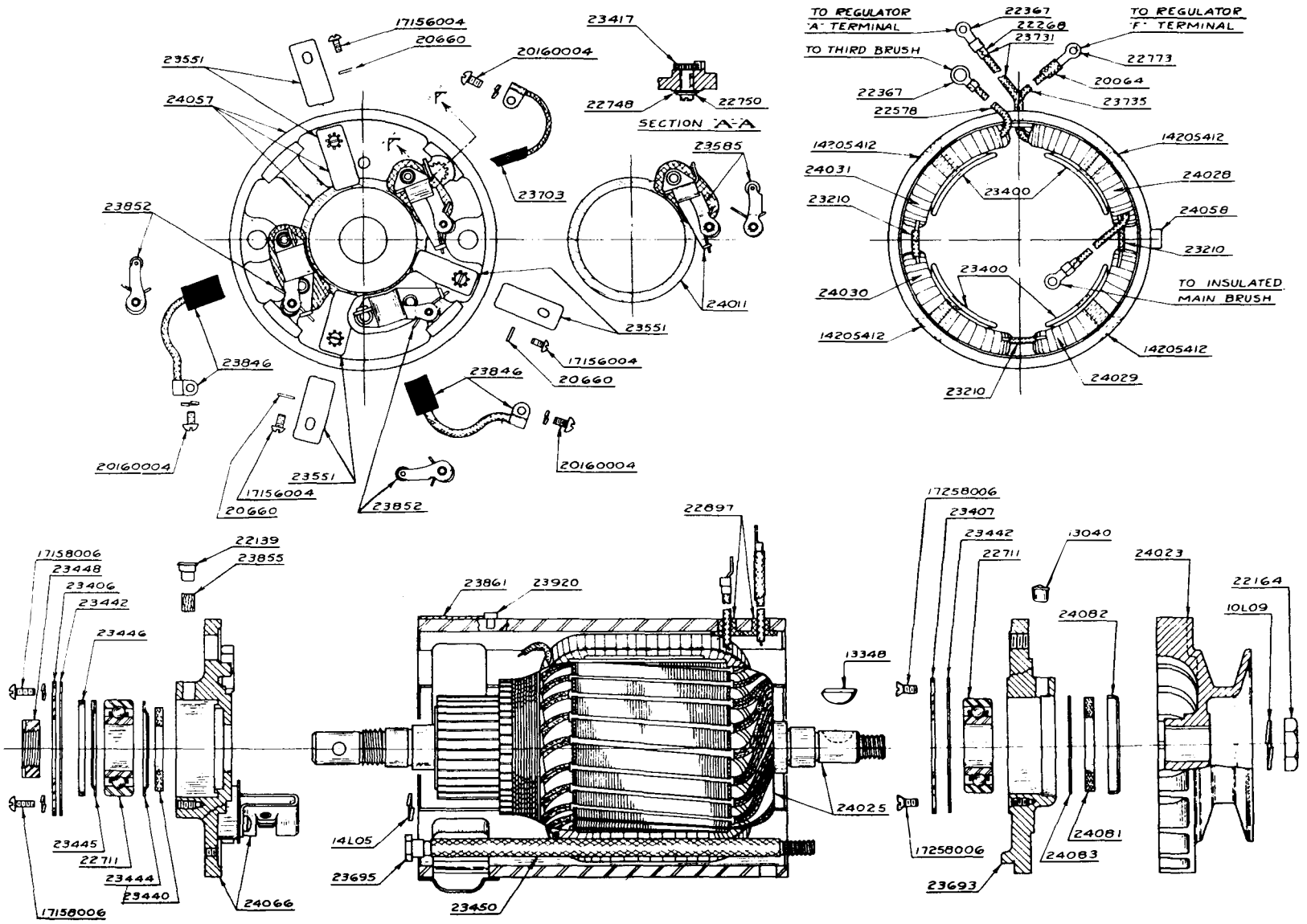
Miscellaneous Parts

21624	1	C.B. & Reg. Assy.
24N7600	1	#10-32 Hex. Nut
20117	1	#6 Lock Washer
20134	1	Fuse Retainer
20688	1	#10 Skpf. Washer
20758	1	Fuse - 7 1/2 Amps.
21248	1	Cover
22169	2	#10 Lock Washer
22676	1	Spring
22679	1	Insulation
23150	1	Base Insulation
14156004	1	#6-32x1/4 Rd. Hd. Sc.
14158004	2	#8-32x1/4 Rd. Hd. Sc.
24160006	2	#10-32x3/8 Rd. Hd. Sc.
22169	2	#10 Lock Washer
23861	1	Head Band Assembly
24160004	2	#10-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

(Issued 12-5-35)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

CO-1307 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
14L05	2	5/16 Lock Washer
23695	2	Frame Screw
(24078)	1	Frame & Field Assy.
23450	2	Frame Screw Ins. Tube
23874	4	Pole Piece
24076	1	Field Coil Assy. - Comp.
20064	1	Ins. Tube
22367	1	Terminal
22773	1	Terminal
23210	3	Lead Assy.
23731	1	C.B. Lead Assy.
22268	2	Wire Clip
22367	2	Terminal
22897	1	Ins. Bushing
23877	1	Field Coil - U.R.
23878	1	Field Coil - L.R.
23879	1	Field Coil - L.L.
23880	1	Field Coil - U.L.
14205412	8	Pole Piece Screw
26950	1	Insulating Washer

Comm. End Plate Assembly & Parts Used With

14L60	3	#10 Lock Washer
23703	1	Brush - Third
23846	2	Brush - Main
(24074)	1	Comm. End Plate Assy.
14L58	4	#8 Lock Washer
20560	3	#6 Skpf. Washer
22139	1	1/4 Oiler - Hinged Top
22711	1	Ball Brg. - S.A.E. #204
22748	1	Spring Washer
22750	1	Snap Ring
23406	1	C.E. Bearing Cover
23417	1	3rd Br. Plate Adjusting Pinion
23440	1	Felt Washer
23442	1	Gasket
23444	1	Felt Washer Retainer
23445	1	Bearing Retainer
23446	1	Bearing Retainer Ring
23551	3	3rd Brush Plate Retain'g Spring
23852	2	Brush Spring
23855	1	Oil Wick
24011	1	3rd Brush Holder Plate Assembly
23585	1	Brush Spring
24088	1	Comm. End Plate Part Assy.
17156004	3	#6-32x1/4 Rd. Hd. Screw
17158006	4	#8-32x3/8 Rd. Hd. Screw
20160004	3	#10-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
13348	1	#6 Woodruff Key
23389	1	Thrust Washer
23448	1	Armature Shaft Nut
23691	1	Armature Assembly
23714	1	Drive Pulley
23719	1	Bearing Spacer
23724	1	7/16-20 Hex. Nut

Drive End Head Assembly & Parts Used With

23729	1	Drive End Head Assy.
13040	1	1/4 Oiler - Press in Type
22711	1	Ball Brg. - S.A.E. #204
23407	1	Bearing Retainer
23442	1	Gasket
23693	1	D.E. Head
24081	1	Felt Washer
24082	1	Felt Retainer
24083	1	Felt Guard
17258006	4	#8-32x3/8 Flat Hd. Screw

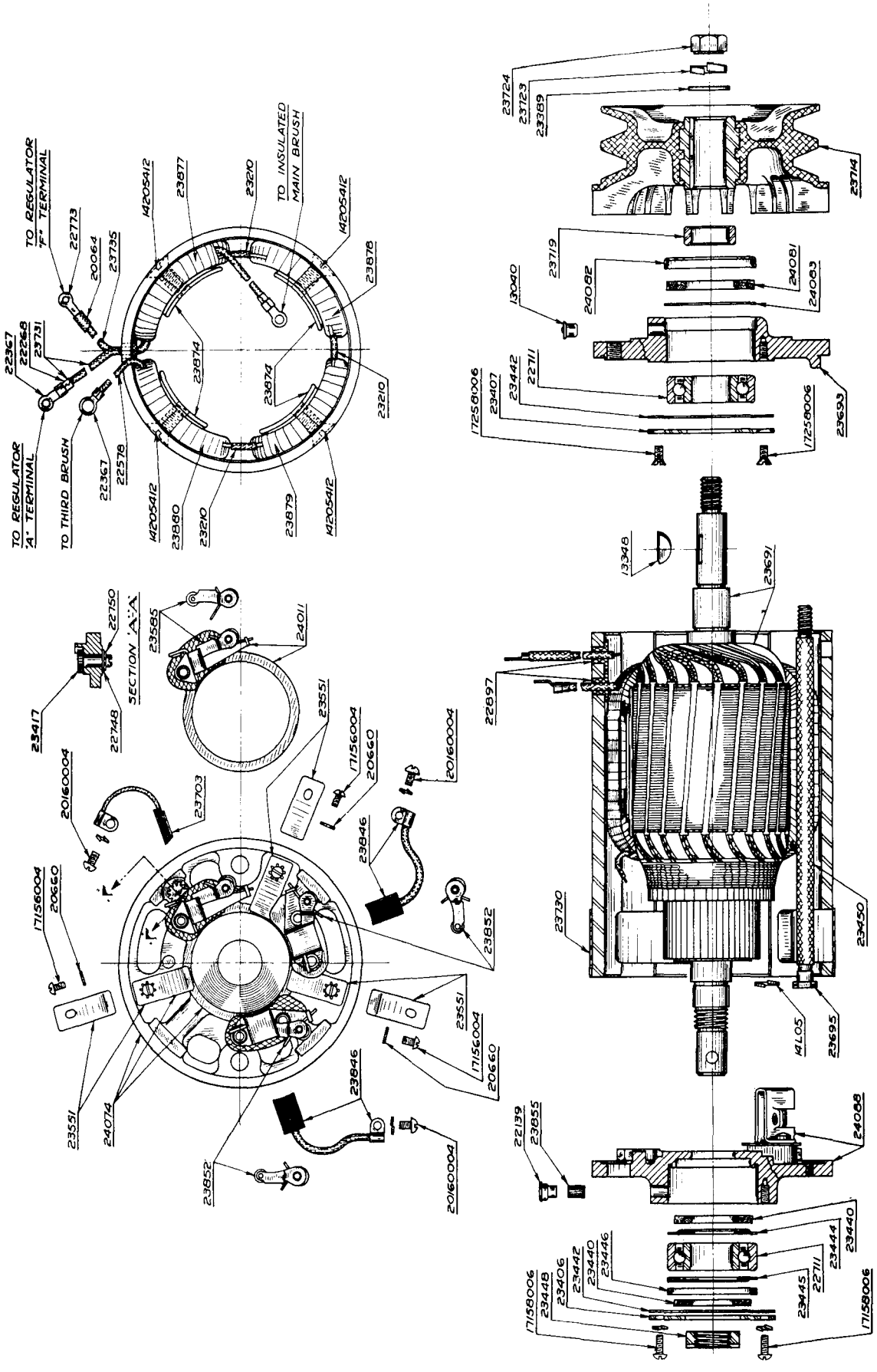
Miscellaneous Parts

22169	2	#10 Lock Washer
23730	1	Head Band Assembly
40300	1	C.B. & Reg. Assy.
24N7600	1	#10-32 Hex. Nut
20117	1	#6 Lock Washer
20134	1	Fuse Retainer
20688	1	#10 Skpf. Washer
21248	1	Cover
22169	2	#10 Lock Washer
22676	1	Spring
22678	1	Fuse - 5 Amps.
22679	1	Insulation
23150	1	Base Insulation
14156004	1	#6-32x1/4 Rd. Hd. Screw
14158004	2	#8-32x1/4 Rd. Hd. Screw
24160006	2	#10-32x3/8 Rd. Hd. Screw
24160004	2	#10-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

(Issued 11-26-35)

"NOTE: Where part numbers are shown in parenthesis they re for reference only. By stocking sub-parts the complete part can be assembled as needed."

CO-1309 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
14L05	2	5/16 Lock Washer
23695	2	Frame Screw
(24211)	1	Frame & Field Assy.
23400	4	Pole Piece
23450	2	Frame Screw Ins. Tube
23920	1	Head Band Aligning Pin
24152	1	Field Coil Assy. - Comp.
22268	2	Wire Clip
22367	2	Terminal
23210	3	Lead Insulation
24028	1	Field Coil - U.R.
24029	1	Field Coil - L.R.
24030	1	Field Coil - L.L.
24031	1	Field Coil - U.L.
24156	1	C.B. Lead Assy.
22268	2	Wire Clip
22367	2	Terminal
24153	1	Insulating Bushing
24154	1	Insulating Washer
14205412	8	Pole Piece Screw

Comm. End Plate Assembly & Parts Used With

14L56	4	#6 Lock Washer
14L60	3	#10 Lock Washer
22116	1	Gasket
22600	1	Ball Brg. - S.A.E. #202
23544	1	9/16-18 Hex. Nut
23663	1	Bearing Spacer
23669	1	C.E. Cap Cover
23703‡	1	Brush - Third
23846‡	2	Brush - Main
(24049)	1	Comm. End Plate Assy.
20660	3	#6 Skpf. Washer
22139	1	1/4 Oiler - Hinged Top
22157	1	Felt Washer
22158	1	Felt Washer Retainer
22599	1	Lock Spring Ring
22605	1	Felt Guard
22748	1	Spring Washer
22750	1	Snap Ring
23417	1	3rd Brush Plate Adjusting Pinion
23551	3	3rd Brush Plate Retain'g Spring
23671	1	Felt Wick
23852	2	Brush Spring
24011	1	3rd Brush Holder Plate Assembly
23585	1	Brush Spring
24067	1	C.E. Plate Part Assy.
17156004	3	#6-32x1/4 Rd. Hd. Screw
14156004	4	#6-32x1/4 Rd. Hd. Screw
20160004	3	#10-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
16544	1	1/4-20 Set Screw
24015	1	Armature Assembly
24018	1	Armature Shaft Spacer
24021	1	Armature Shaft Collar
24061	1	Ventilating Fan

Drive End Head Assembly & Parts Used With

24017	1	Drive End Head Assy.
14L58	4	#8 Lock Washer
13040	1	1/4 Oiler - Press in Type
23426	1	Felt Washer
23431	1	Ball Brg. - S.A.E. #205
24016	1	Drive End Head
24019	1	Felt Washer Retainer
24022	1	Bearing Retainer
17158005	4	#8-32x5/16 Rd. Hd. Screw

Miscellaneous Parts

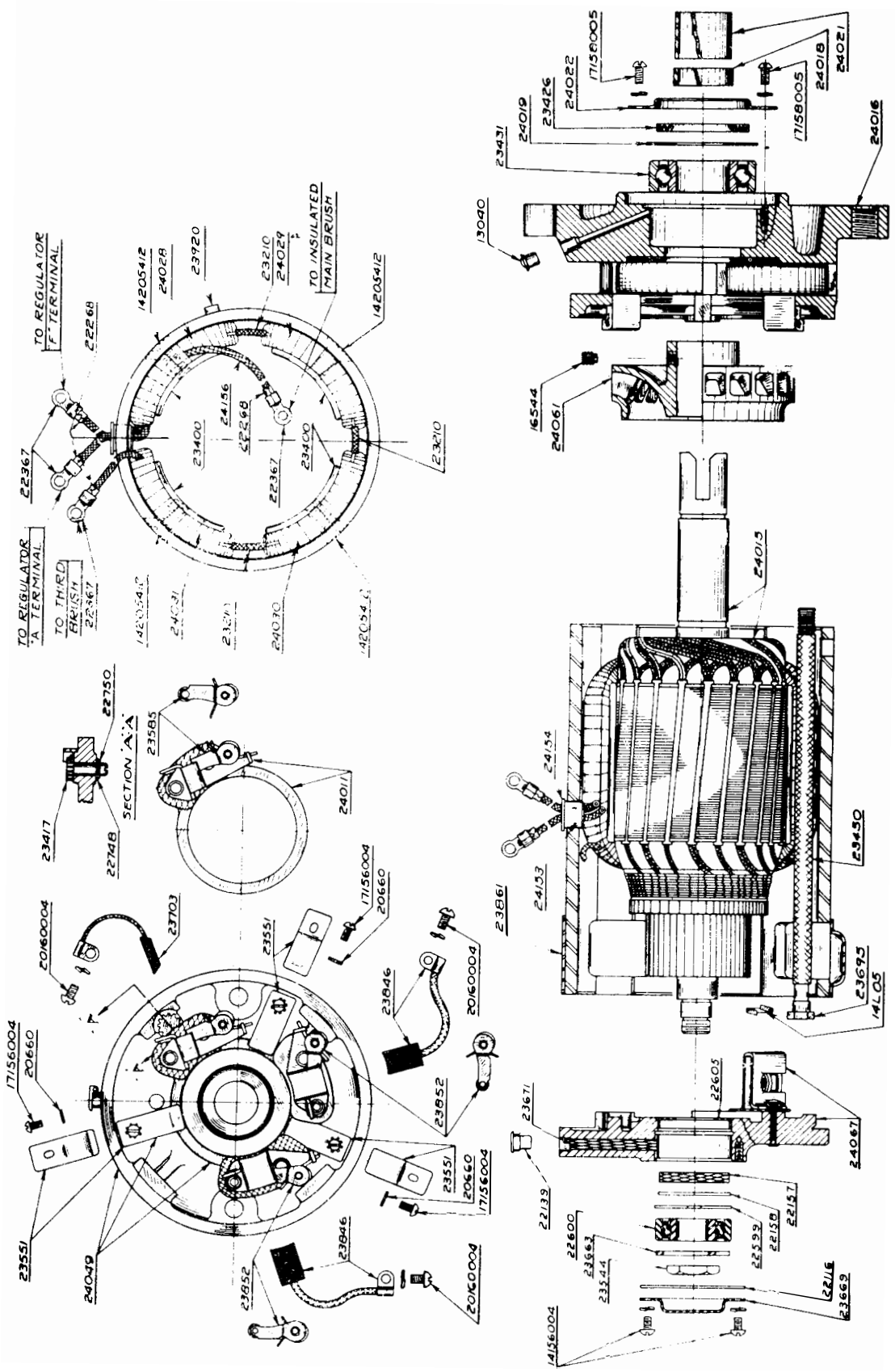
TC-4314A	1	Two Charge Regulator
22169	4	#10 Lock Washer
23861	1	Head Band Assembly
24160004	4	#10-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

(Issued 7-30-37)

‡ Service Brush Set 24164.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

CO-1336 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part 1 2 3 4 5
14L05	2	5/16 Lock Washer
23695	2	Frame Screw
(24161)	1	Frame & Field Assy.
23400	4	Pole Piece
23450	2	Frame Screw Ins. Tube
23920	1	Head Band Aligning Pin
24058	1	Aligning Dowel
24153	1	Insulating Bushing
24154	1	Insulating Washer
24162	1	Field Coil Assy. - Comp.
22268	2	Wire Clip
22367	2	Terminal
23210	3	Lead Insulation
24028	1	Field Coil - U.R.
24029	1	Field Coil - L.R.
24030	1	Field Coil - L.L.
24031	1	Field Coil - U.L.
24163	1	C.B. Lead Assy.
22268	2	Wire Clip
22367	2	Terminal
14205412	8	Pole Piece Screw

Comm. End Plate Assembly & Parts Used With

14L60	3	#10 Lock Washer
23703‡	1	Brush - Third
23846‡	2	Brush - Main
(24057)	1	Comm. End Plate Assy.
14L58	4	#8 Lock Washer
20660	3	#6 Skpf. Washer
22139	1	1/4 Oiler - Hinged Top
22711	1	Ball Brg. - S.A.E. #204
22748	1	Spring Washer
22750	1	Snap Ring
23406	1	C.E. Bearing Cover
23417	1	3rd Brush Plate Adjusting Pinion
23440	1	Felt Washer
23442	1	Gasket
23444	1	Felt Washer Retainer
23445	1	Bearing Retainer
23446	1	Bearing Retainer Ring
23551	3	3rd Brush Plate Retain'g Spring
23852	2	Brush Spring
23855	1	Oil Wick
24011	1	3rd Brush Holder Plate Assembly
23585	1	Brush Spring
24066	1	C.E. Plate Part Assy.
17156004	3	#6-32x1/4 Rd. Hd. Screw
17158006	4	#8-32x3/8 Rd. Hd. Screw
20160004	3	#10-32x1/4 Rd. Hd. Screw 1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part 1 2 3 4 5
10L09	1	9/16 Lock Washer
13348	1	#6 Woodruff Key
22164	1	9/16-18 Hex. Nut
23448	1	Armature Shaft Nut
24023	1	Drive Pulley
24025	1	Armature Assembly

Drive End Head Assembly & Parts Used With

23729	1	Drive End Head Assy.
13040	1	1/4 Oiler - Press in Type
22711	1	Ball Brg. - S.A.E. #204
23407	1	Bearing Retainer
23442	1	Gasket
23693	1	D.E. Head
24081	1	Felt Washer
24082	1	Felt Retainer
24083	1	Felt Guard
17258006	4	#8-32x3/8 Flat Hd. Screw

Miscellaneous Parts

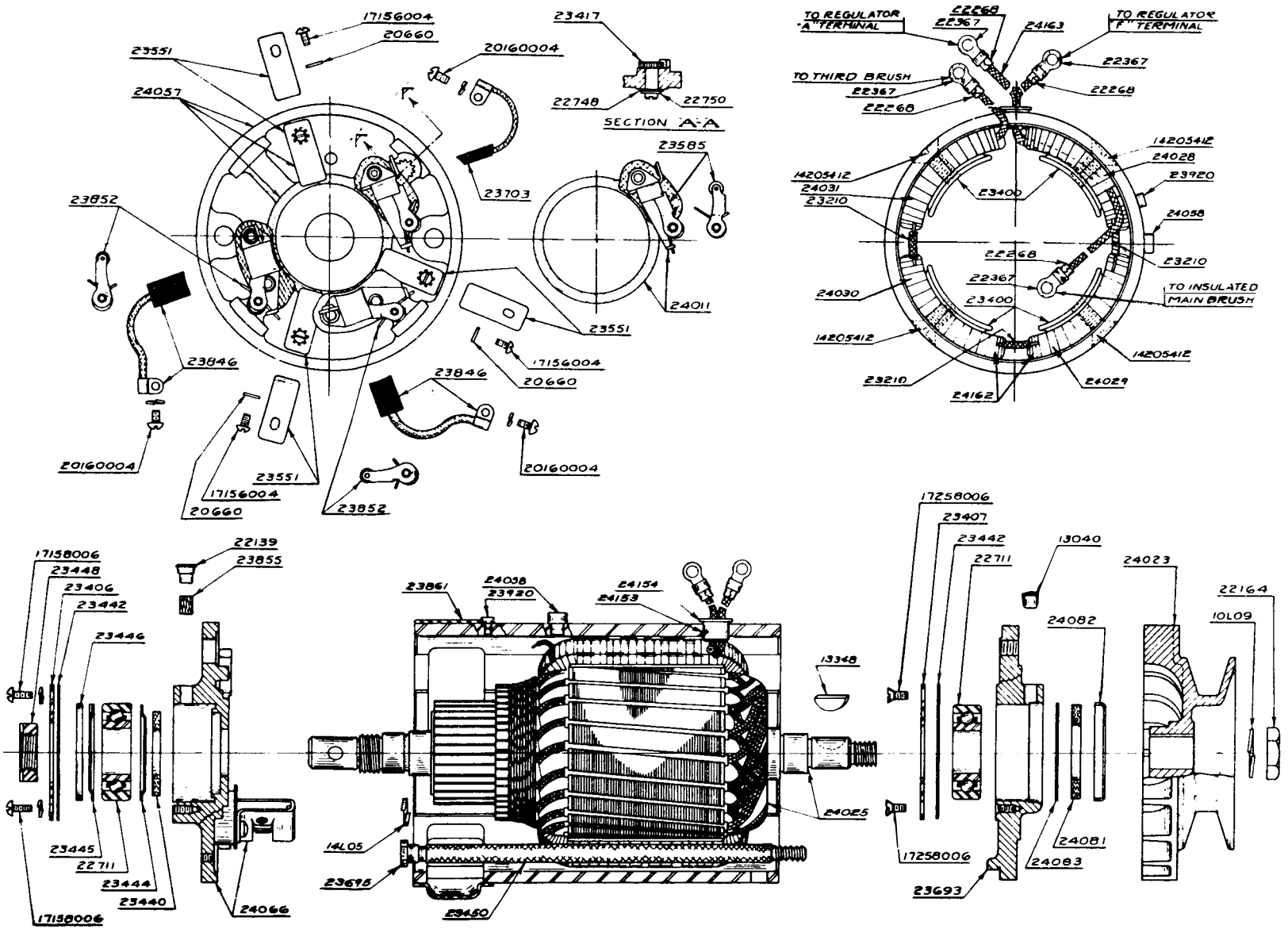
TC-4314A	1	Two Charge Regulator
22169	4	#10 Lock Washer
23861	1	Head Band Assembly
24160004	4	#10-32x1/4 Rd. Hd. Screw 1 2 3 4 5

(Issued 7-14-37)

‡ Service Brush Set 24164.

"NOTE: Where p t numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assemble as needed."

CO-1337 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
14L05	2	5/16 Lock Washer
23695	2	Frame Screw
(24157)	1	Frame & Field Assy.
23400	4	Pole Piece
23450	2	Frame Screw Ins. Tube
23920	1	Head Band Aligning Pin
24152	1	Field Coil Assy. - Comp.
22268	2	Wire Clip
22367	2	Terminal
23210	3	Lead Insulation
24028	1	Field Coil - U.R.
24029	1	Field Coil - L.R.
24030	1	Field Coil - L.L.
24031	1	Field Coil - U.L.
24156	1	C.B. Lead Assy.
22268	2	Wire Clip
22367	2	Terminal
24041	1	Mounting Bracket
24153	1	Insulating Bushing
24154	1	Insulating Washer
14205410	4	Pole Piece Screw - 5/16-18x5/8 Flat Hd. Sc.
14205412	.8	Pole Piece Screw

Comm. End Plate Assembly & Parts Used With

14L56	4	#6 Lock Washer
14L60	3	#10 Lock Washer
22116	1	Gasket
22600	1	Ball Brg. - S.A.E. #202
23544	1	9/16-18 Hex. Nut
23663	1	Bearing Spacer
23669	1	C.E. Cap Cover
23703	1	Brush - Third
23846	2	Brush - Main
(24049)	1	Comm. End Plate Assy.
20660	3	#6 Skpf. Washer
22139	1	1/4 Oiler - Hinged Top
22157	1	Felt Washer
22158	1	Felt Washer Retainer
22599	1	Lock Spring Ring
22605	1	Felt Guard
22748	1	Spring Washer
22750	1	Snap Ring
23417	1	3rd Brush Plate Adjusting Pinion
23551	3	3rd Brush Plate Retain'g Spring
23671	1	Felt Wick
23852	2	Brush Spring
24011	1	3rd Brush Holder Plate Assembly
23585	1	Brush Spring
24067	1	C.E. Plate Part Assy.
17156004	3	#6-32x1/4 Rd. Hd. Screw
14156004	4	#6-32x1/4 Rd. Hd. Screw
20160004	3	#10-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
10L07	1	#7 Lock Washer
13348	2	#6 Woodruff Key
22225	1	7/16-20 Hex. Nut
24039	1	Armature Assembly
24042	1	Ventilating Fan

Drive End Head Assembly & Parts Used With

23729	1	Drive End Head Assy.
13040	1	1/4 Oiler - Press in Type
22711	1	Ball Brg. - S.A.E. #204
23407	1	Bearing Retainer
23442	1	Gasket
23693	1	D.E. Head
24081	1	Felt Washer
24082	1	Felt Retainer
24083	1	Felt Guard
17258006	4	#8-32x3/8 Flat Hd. Sc.

Miscellaneous Parts

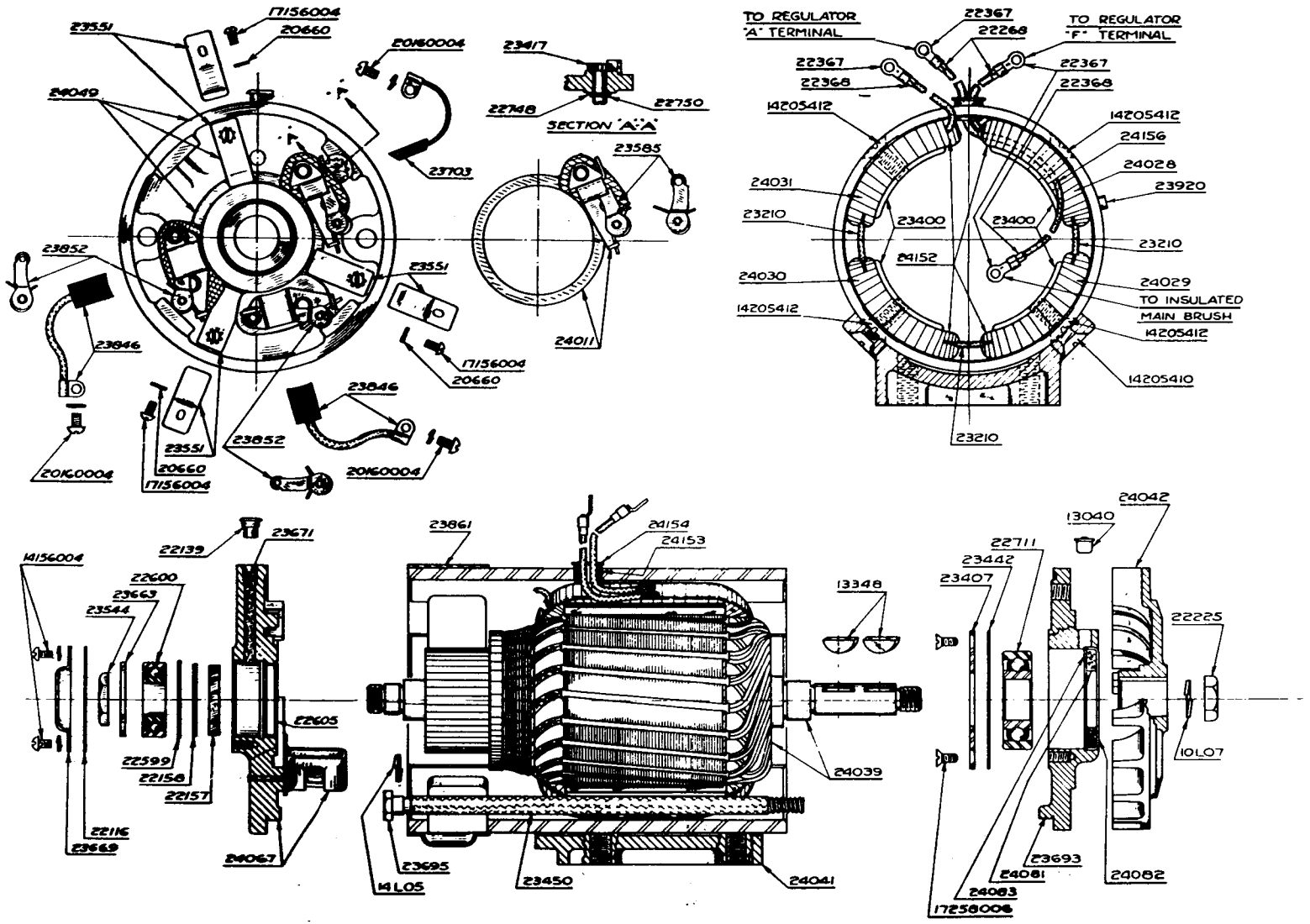
TC-4314A	1	Two Charge Regulator & Circuit Breaker
22169	4	#10 Lock Washer
23861	1	Head Band Assembly
24160004	4	#10-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

(Issued 5-13-36)

NOTE:- Use 24164 brush set in servicing this unit.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

CO-1338 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
14L05	2	5/16 Lock Washer
23695	2	Frame Screw
(24078)	1	Frame & Field Assy.
23450	2	Frame Screw Ins. Tube
23874	4	Pole Piece
24076	1	Field Coil Assy. - Comp.
20064	1	Ins. Tube
22367	1	Terminal
22773	1	Terminal
23210	3	Lead Assy.
23731	1	C.B. Lead Assy.
22268	2	Wire Clip
22367	2	Terminal
22897	1	Ins. Bushing
23877	1	Field Coil - U.R.
23878	1	Field Coil - L.R.
23879	1	Field Coil - L.L.
23880	1	Field Coil - U.L.
14205412	8	Pole Piece Screw
26950	1	Insulating Washer

Comm. End Plate Assembly & Parts Used With

14L60	3	#10 Lock Washer
23703	1	Brush - Third
23846	2	Brush - Main
(24074)	1	Comm. End Plate Assy.
14L58	4	#8 Lock Washer
20660	3	#6 Skpf. Washer
22139	1	1/4 Oiler - Hinged Top
22711	1	Ball Brg. - S.A.E. #204
22748	1	Spring Washer
22750	1	Snap Ring
23406	1	C.E. Bearing Cover
23417	1	3rd Br. Plate Adjusting Pinion
23440	1	Felt Washer
23442	1	Gasket
23444	1	Felt Washer Retainer
23445	1	Bearing Retainer
23446	1	Bearing Retainer Ring
23551	3	3rd Brush Plate Retain'g Spring
23852	2	Brush Spring
23855	1	Oil Wick
24011	1	3rd Brush Holder Plate Assembly
23585	1	Brush Spring
24088	1	Comm. End Plate Part Assy.
17156004	3	#6-32x1/4 Rd. Hd. Screw
17158006	4	#8-32x3/8 Rd. Hd. Screw
20160004	3	#10-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
13348	1	#6 Woodruff Key
23389	1	Thrust Washer
23448	1	Armature Shaft Nut
23691	1	Armature Assembly
23714	1	Drive Pulley
23719	1	Bearing Spacer
23724	1	7/16-20 Hex. Nut

Drive End Head Assembly & Parts Used With

23729	1	Drive End Head Assy.
13040	1	1/4 Oiler - Press in Type
22711	1	Ball Brg. - S.A.E. #204
23407	1	Bearing Retainer
23442	1	Gasket
23693	1	D.E. Head
24081	1	Felt Washer
24082	1	Felt Retainer
24083	1	Felt Guard
17258006	4	#8-32x3/8 Flat Hd. Screw

Miscellaneous Parts

22169	2	#10 Lock Washer
23730	1	Head Band Assembly
40300	1	C.B. & Reg. Assy.
24N7600	1	#10-32 Hex. Nut
20117	1	#6 Lock Washer
20134	1	Fuse Retainer
20688	1	#10 Skpf. Washer
21248	1	Cover
22169	2	#10 Lock Washer
22676	1	Spring
22678	1	Fuse - 5 Amps.
22679	1	Insulation
23150	1	Base Insulation
14156004	1	#6-32x1/4 Rd. Hd. Screw
14158004	2	#8-32x1/4 Rd. Hd. Screw
24160006	2	#10-32x3/8 Rd. Hd. Screw
24160004	2	#10-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

(Issued 11-26-35)

"NOTE: Where part numbers are shown in parenthesis they re for reference only. By stocking sub-parts the complete p rt can be assembled as needed."

CO-1309 GENERATOR ILLUSTRATION

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
14L05	2	5/16 Lock Washer
23695	2	Frame Screw
(24211)	1	Frame & Field Assy.
23400	4	Pole Piece
23450	2	Frame Screw Ins. Tube
23920	1	Head Band Aligning Pin
24152	1	Field Coil Assy. - Comp.
22268	2	Wire Clip
22367	2	Terminal
23210	3	Lead Insulation
24028	1	Field Coil - U.R.
24029	1	Field Coil - L.R.
24030	1	Field Coil - L.L.
24031	1	Field Coil - U.L.
24156	1	C.B. Lead Assy.
22268	2	Wire Clip
22367	2	Terminal
2415[illegible]	1	Insulating Bushing
24154	1	Insulating Washer
14205412	8	Pole Piece Screw

Comm. End Plate Assembly & Parts Used With

14L56	4	#6 Lock Washer
14L60	3	#10 Lock Washer
22116	1	Gasket
22600	1	Ball Brg. - S.A.E. #202
23544	1	9/16-18 Hex. Nut
23663	1	Bearing Spacer
23669	1	C.E. Cap Cover
23703‡	1	Brush - Third
23846‡	2	Brush - Main
(24049)	1	Comm. End Plate Assy.
20660	3	#6 Skpf. Washer
22139	1	1/4 Oiler - Hinged Top
22157	1	Felt Washer
22158	1	Felt Washer Retainer
22599	1	Lock Spring Ring
22605	1	Felt Guard
22748	1	Spring Washer
22750	1	Snap Ring
23417	1	3rd Brush Plate Adjusting Pinion
23551	3	3rd Brush Plate Retain'g Spring
23671	1	Felt Wick
23852	2	Brush Spring
24011	1	3rd Brush Holder Plate Assembly
23585	1	Brush Spring
24067	1	C.E. Plate Part Assy.
17156004	3	#6-32x1/4 Rd. Hd. Screw
14156004	4	#6-32x1/4 Rd. Hd. Screw
20160004	3	#10-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
16544	1	1/4-20 Set Screw
24015	1	Armature Assembly
24018	1	Armature Shaft Spacer
24021	1	Armature Shaft Collar
24061	1	Ventilating Fan

Drive End Head Assembly & Parts Used With

24017	1	Drive End Head Assy.
14L58	4	#8 Lock Washer
13040	1	1/4 Oiler - Press in Type
23426	1	Felt Washer
23431	1	Ball Brg. - S.A.E. #205
24016	1	Drive End Head
24019	1	Felt Washer Retainer
24022	1	Bearing Retainer
17158005	4	#8-32x5/16 Rd. Hd. Screw

Miscellaneous Parts

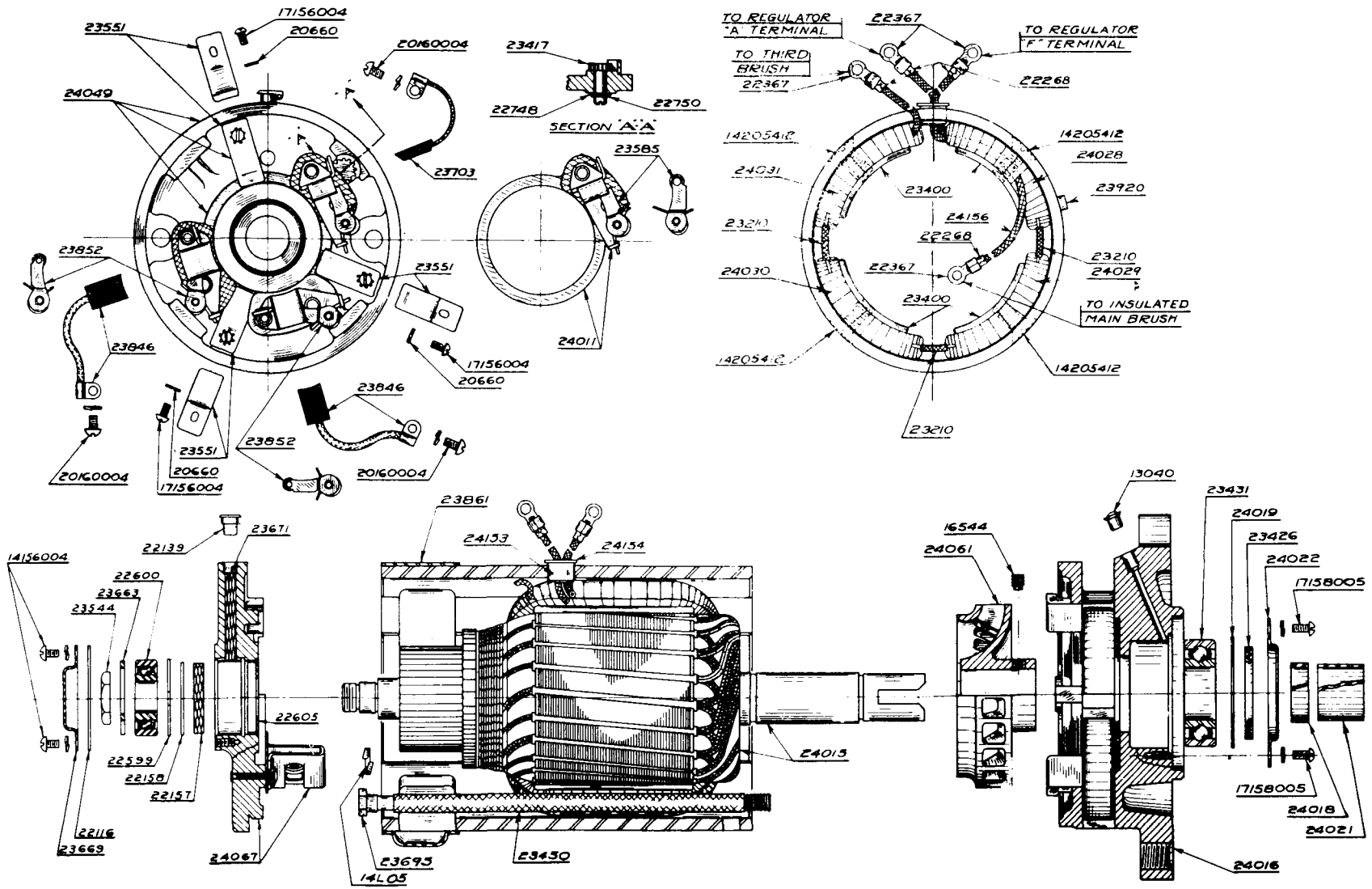
TC-4314A	1	Two Charge Regulator
22169	4	#10 Lock Washer
23861	1	Head Band Assembly
24160004	4	#10-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

(Issued 7-30-37)

‡ Service Brush Set 24164.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

CO-1336 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part 1 2 3 4 5
14L05	2	5/16 Lock Washer
23695	2	Frame Screw
(24161)	1	Frame & Field Assy.
23400	4	Pole Piece
23450	2	Frame Screw Ins. Tube
23920	1	Head Band Aligning Pin
24058	1	Aligning Dowel
24153	1	Insulating Bushing
24154	1	Insulating Washer
24162	1	Field Coil Assy. - Comp.
22268	2	Wire Clip
22367	2	Terminal
23210	3	Lead Insulation
24028	1	Field Coil - U.R.
24029	1	Field Coil - L.R.
24030	1	Field Coil - L.L.
24031	1	Field Coil - U.L.
24163	1	C.B. Lead Assy.
22268	2	Wire Clip
22367	2	Terminal
14205412	8	Pole Piece Screw

Comm. End Plate Assembly & Parts Used With

14L60	3	#10 Lock Washer
23703‡	1	Brush - Third
23846‡	2	Brush - Main
(24057)	1	Comm. End Plate Assy.
14L58	4	#8 Lock Washer
20660	3	#6 Skpf. Washer
22139	1	1/4 Oiler - Hinged Top
22711	1	Ball Brg. - S.A.E. #204
22748	1	Spring Washer
22750	1	Snap Ring
23406	1	C.E. Bearing Cover
23417	1	3rd Brush Plate Adjusting Pinion
23440	1	Felt Washer
23442	1	Gasket
23444	1	Felt Washer Retainer
23445	1	Bearing Retainer
23446	1	Bearing Retainer Ring
23551	3	3rd Brush Plate Retain'g Spring
23852	2	Brush Spring
23855	1	Oil Wick
24011	1	3rd Brush Holder Plate Assembly
23585	1	Brush Spring
24066	1	C.E. Plate Part Assy.
17156004	3	#6-32x1/4 Rd. Hd. Screw
17158006	4	#8-32x3/8 Rd. Hd. Screw
20160004	3	#10-32x1/4 Rd. Hd. Screw 1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part 1 2 3 4 5
10L09	1	9/16 Lock Washer
13348	1	#6 Woodruff Key
22164	1	9/16-18 Hex. Nut
23448	1	Armature Shaft Nut
24023	1	Drive Pulley
24025	1	Armature Assembly

Drive End Head Assembly & Parts Used With

23729	1	Drive End Head Assy.
13040	1	1/4 Oiler - Press in Type
22711	1	Ball Brg. - S.A.E. #204
23407	1	Bearing Retainer
23442	1	Gasket
23693	1	D.E. Head
24081	1	Felt Washer
24082	1	Felt Retainer
24083	1	Felt Guard
17258006	4	#8-32x3/8 Flat Hd. Screw

Miscellaneous Parts

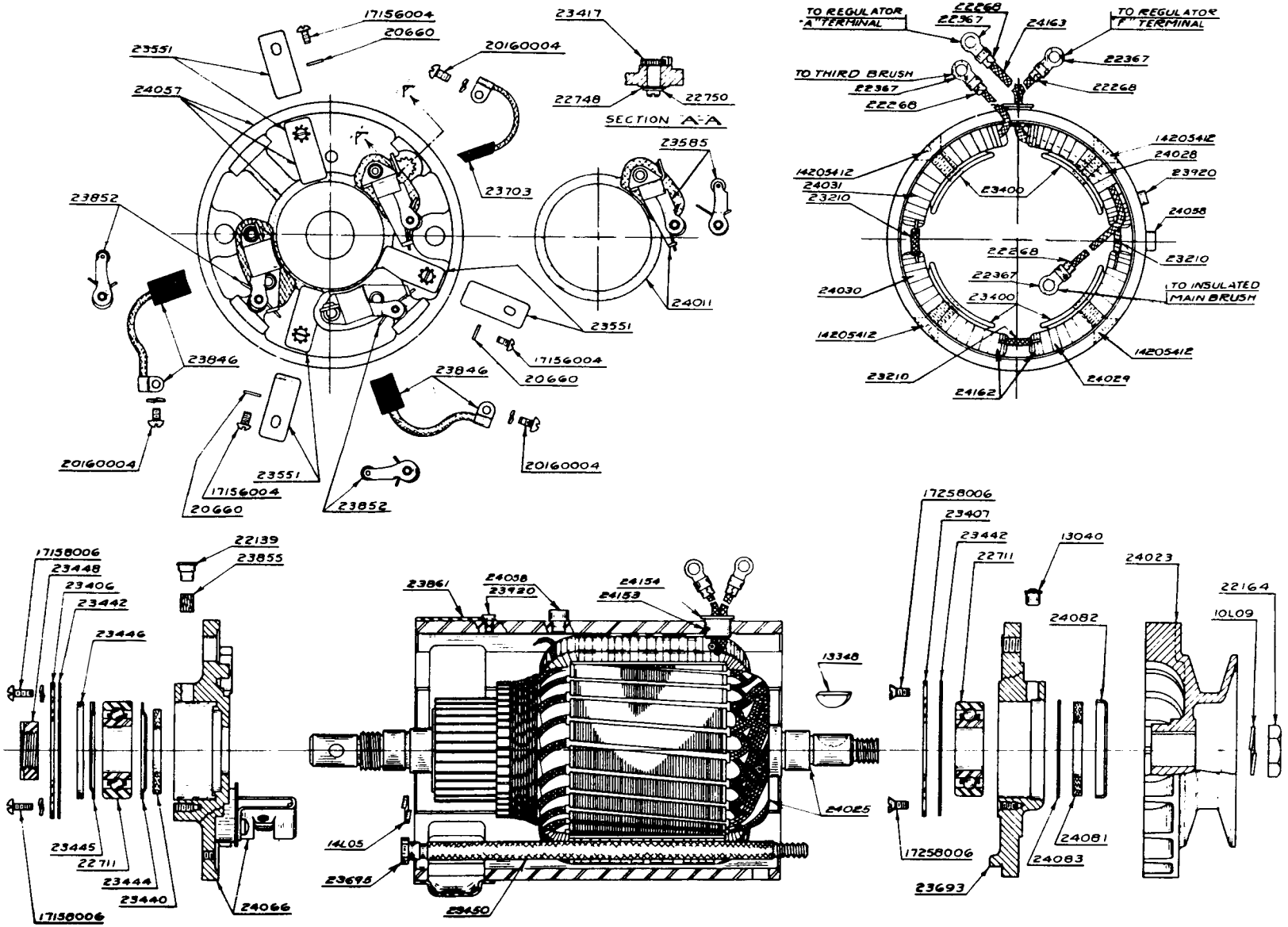
TC-4314A	1	Two Charge Regulator
22169	4	#10 Lock Washer
23861	1	Head Band Assembly
24160004	4	#10-32x1/4 Rd. Hd. Screw 1 2 3 4 5

(Issued 7-14-37)

‡ Service Brush Set 24164.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

CO-1337 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
14L05	2	5/16 Lock Washer
23695	2	Frame Screw
(24157)	1	Frame & Field Assy.
23400	4	Pole Piece
23450	2	Frame Screw Ins. Tube
23920	1	Head Band Aligning Pin
24152	1	Field Coil Assy. - Comp.
22268	2	Wire Clip
22367	2	Terminal
23210	3	Lead Insulation
24028	1	Field Coil - U.R.
24029	1	Field Coil - L.R.
24030	1	Field Coil - L.L.
24031	1	Field Coil - U.L.
24156	1	C.B. Lead Assy.
22268	2	Wire Clip
22367	2	Terminal
24041	1	Mounting Bracket
24153	1	Insulating Bushing
24154	1	Insulating Washer
14205410	4	Pole Piece Screw - 5/16-18x5/8 Flat Hd. Sc.
14205412	8	Pole Piece Screw

Comm. End Plate Assembly & Parts Used With

14L56	4	#6 Lock Washer
14L60	3	#10 Lock Washer
22116	1	Gasket
22600	1	Ball Brg. - S.A.E. #202
23544	1	9/16-18 Hex. Nut
23663	1	Bearing Spacer
23669	1	C.E. Cap Cover
23703	1	Brush - Third
23846	2	Brush - Main
(24049)	1	Comm. End Plate Assy.
20660	3	#6 Skpf. Washer
22139	1	1/4 Oiler - Hinged Top
22157	1	Felt Washer
22158	1	Felt Washer Retainer
22599	1	Lock Spring Ring
22605	1	Felt Guard
22748	1	Spring Washer
22750	1	Snap Ring
23417	1	3rd Brush Plate Adjusting Pinion
23551	3	3rd Brush Plate Retain'g Spring
23671	1	Felt Wick
23852	2	Brush Spring
24011	1	3rd Brush Holder Plate Assembly
23585	1	Brush Spring
24067	1	C.E. Plate Part Assy.
17156004	3	#6-32x1/4 Rd. Hd. Screw
14156004	4	#6-32x1/4 Rd. Hd. Screw
20160004	3	#10-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
10L07	1	#7 Lock Washer
13348	2	#6 Woodruff Key
22225	1	7/16-20 Hex. Nut
24039	1	Armature Assembly
24042	1	Ventilating Fan

Drive End Head Assembly & Parts Used With

23729	1	Drive End Head Assy.
13040	1	1/4 Oiler - Press in Type
22711	1	Ball Brg. - S.A.E. #204
23407	1	Bearing Retainer
23442	1	Gasket
23693	1	D.E. Head
24081	1	Felt Washer
24082	1	Felt Retainer
24083	1	Felt Guard
17258006	4	#8-32x3/8 Flat Hd. Sc.

Miscellaneous Parts

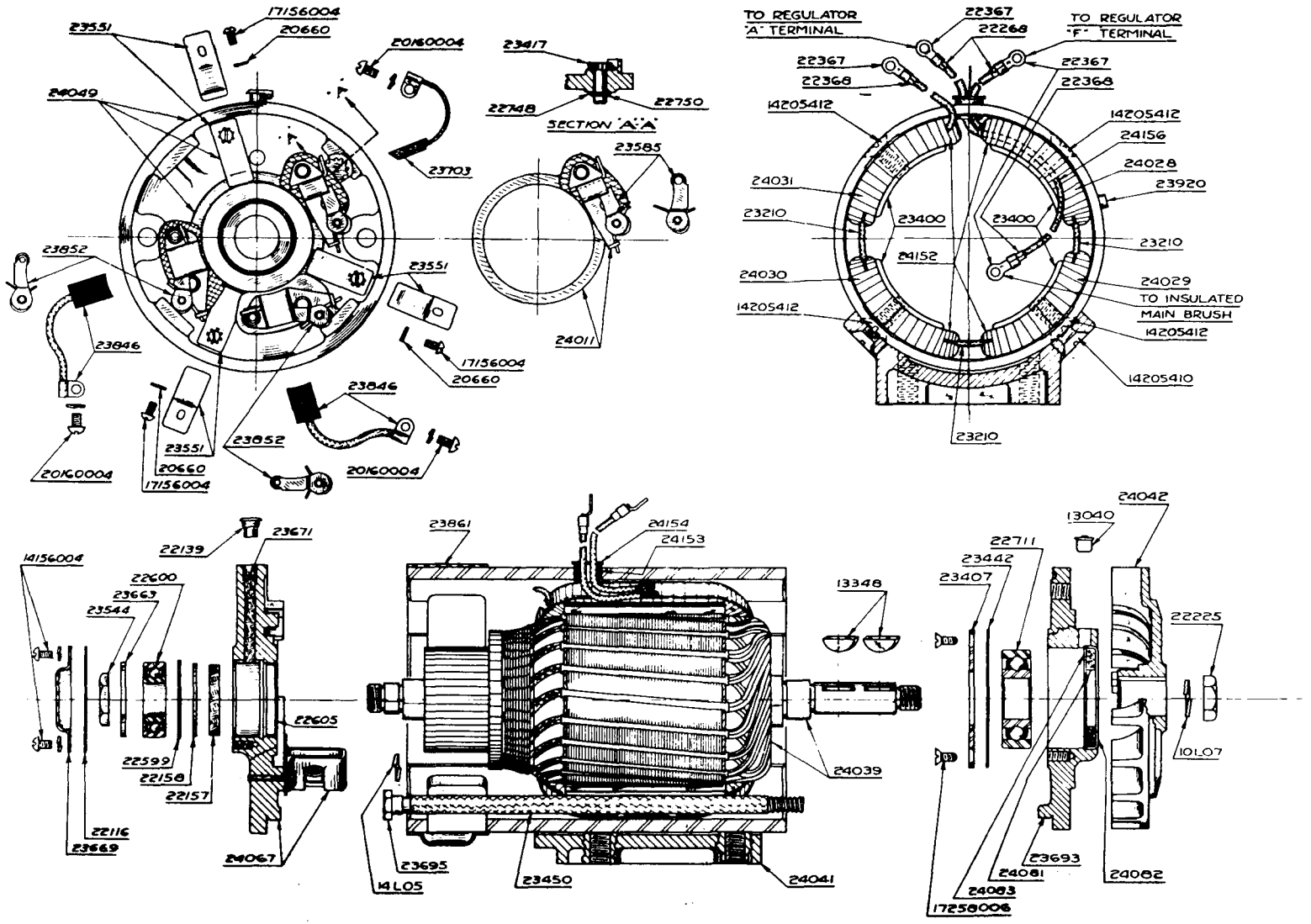
TC-4314A	1	Two Charge Regulator & Circuit Breaker
22169	4	#10 Lock Washer
23861	1	Head Band Assembly
24160004	4	#10-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

(Issued 5-13-36)

NOTE:- Use 24164 brush set in servicing this unit.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the com lete part can be assembled as needed."

CO-1338 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DG-130	2	Frame Screw
(DG-2110)	1	Frame & Field Assy.
DG-29	4	Pole Piece
DG-42	1	Ins. Bushing
DG-1005E	1	Field Coil Assy. - Comp.
DD-1008	1	Field Coil - L.L.
DD-1009	1	Field Coil - L.R.
DG-1007E	1	Field Coil Assy. - U.R.
DG-65	1	C.B. Lead Assy.
X-755	1	Terminal
DG-1010	1	Field Coil Assy. - U.L.
X-767	1	Terminal
GBC-45	1	Field Connection Ins.
GBC-46	2	Field Connection Ins.
MN-21	2	Dowel Pin
SB-8	8	Pole Piece Screw
X-755	2	Terminal
8X-159	2	3/8-24 Hex. Nut
X-201	2	3/8 Lock Washer

Comm. End Plate Assembly & Parts Used With

DA-22	1	Bearing Retaining Washer
DA-60	1	Bearing Retaining Screw
DB-17	1	Felt Guard
DD-24C	1	End Cap Cover
DD-44	1	End Cap Cover Gasket
DG-1012	2	Brush - Main
DG-1013	1	Brush - Third
(DG-2125)	1	Comm. End Plate Assy.
DE-85	2	Steel Washer
DG-125	1	Comm. End Plate
DK-41	2	Brush Holder Plate Screw
DK-42	2	Spring
GBB-1018	1	3rd Brush Holder Plate Assembly
DJ-18	1	Brush Holder
DJ-19	1	Brush Spring
GBB-1018S	1	Br. Holder Plate Part Assembly
8X-54	1	#8-32x1/2 Rd. Hd. Sc.
X-195	1	#8 Lock Washer
GBB-2073	1	Brush Holder Plate Assy.
DJ-18	2	Brush Holder
DJ-19	2	Brush Spring
GBB-2073S	1	Br. Holder Plate Part Assembly
8X-56	1	#8-32x7/16 Rd. Hd. Sc.
X-195	2	#8 Lock Washer
8X-304	1	#8-32x5/16 Rd. Hd. Sc.
GBC-53	1	Felt Washer
GBC-54	1	Felt Guard
X-196	6	#10 Lock Washer
X-199	1	1/4 Lock Washer
8X-312	3	#10-32x1/4 Rd. Hd. Screw
X-365	1	Ball Brg. - S.A.E. #303
X-489	1	1/4 Oiler - Press in Type
8X-870	3	#10-32x5/16 Fill. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DG-56	1	Thrust Washer
DG-1142	1	Oil Thrower
DGA-2139	1	Armature Assembly
GK-174	1	1/2 Plain Washer
X-156	1	1/2-20 Castellated Nut
X-263	1	#8 Woodruff Key
X-404	1	3/32x1 Cotter Pin

Drive End Head Assembly & Parts Used With

DG-1140	1	Drive End Head Assy.
DG-138	1	Felt Washer
DG-140	1	Drive End Head
GBC-48	1	Paper Gasket
GBC-51	1	Bearing Retainer
X-196	3	#10 Lock Washer
8X-311	3	#10-32x3/8 Rd. Hd. Sc.
X-413	1	Ball Brg. - Shielded - S.A.E. #304

Miscellaneous Parts

GBC-2039B	1	Head Band Assembly
TC-4306A	1	Two Charge Regulator & Circuit Breaker
8X-118	1	#10-32x3/4 Fill. Hd. Sc.
X-196	4	#10 Lock Washer
8X-321	4	#10-32x5/16 Rd. Hd. Screw
		1 2 3 4 5

(Issued 1-24-36)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

DGA-4302 GENERATOR ILLUSTRATION

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part 1 2 3 4 5
DG-136	2	Frame Screw
(DG-2137)	1	Frame & Field Assy.
DG-29	4	Pole Piece
DG-42	1	Ins. Bushing
DG-1005E	1	Field Coil Assy. - Comp.
DD-1008	1	Field Coil - L.L.
DD-1009	1	Field Coil - L.R.
DG-1007E	1	Field Coil Assy. - U.R.
DG-65	1	C.B. Lead Assy.
X-755	1	Terminal
DG-1010	1	Field Coil Assy. - U.L.
X-767	1	Terminal
GBC-45	1	Field Connection Ins.
GBC-46	2	Field Connection Ins.
MN-21	2	Dowel Pin
SB-8	8	Pole Piece Screw
X-755	2	Terminal

Comm. End Plate Assembly & Parts Used With

DB-17	2	Felt Guard
DD-44	1	End Cap Cover Gasket
DE-79B	1	End Head Bearing Cover
DE-82	2	Felt Washer
DG-1012	2	Brush - Main
DG-1013	1	Brush - Third
(GBB-2019)	1	Comm. End Plate Assy.
DE-85	2	Steel Washer
DK-41	2	Brush Holder Plate Screw
DK-42	2	Spring
GBB-1018	1	3rd Brush Holder Plate Assembly
DJ-18	1	Brush Holder
DJ-19	1	Brush Spring
GBB-1018S	1	Brush Holder Plate Part Assy.
8X-54	1	#8-32x1/2 Rd. Hd. Sc.
X-195	1	#8 Lock Washer
GBB-2073	1	Brush Holder Plate Assy.
DJ-18	2	Brush Holder
DJ-19	2	Brush Spring
GBB-2073S	1	Brush Holder Plate Part Assy.
8X-56	1	#8-32x7/16 Rd. Hd. Sc.
X-195	2	#8 Lock Washer
8X-304	1	#8-32x5/16 Rd. Hd. Sc.
GBC-53	1	Felt Washer
GBC-54	1	Felt Guard
8X-62	3	#10-32x3/8 Flat Hd. Screw
X-196	3	#10 Lock Washer
8X-312	3	#10-32x1/4 Rd. Hd. Screw
X-365	1	Ball Brg. - S.A.E. #303
X-489	1	1/4 Oiler - Press in Type 1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part 1 2 3 4 5
DGA-2135	1	Armature Assembly
GAE-1046	1	Oil Thrower
GK-175	1	Armature Shaft Nut
SP-136	1	Fan
X-157	1	1/2-20 Slotted Nut
X-204	1	11/16 Lock Washer
X-260	1	#5 Woodruff Key
X-263	1	#8 Woodruff Key
X-358	1	1/2 Plain Steel Washer
X-404	1	3/32x1 Cotter Pin

Drive End Head Assembly & Parts Used With

DG-1121	1	Drive End Head Assy.
DG-121	1	Drive End Head
DG-131	1	Flat Brg. Retainer
8X-66	3	#10-32x1/2 Flat Hd. Sc.
X-413	1	Ball Brg. - Shielded - S.A.E. #304

Miscellaneous Parts

GBC-2039B	1	Head Band Assembly
TC-4306A	1	Two Charge Regulator & Circuit Breaker
8X-118	1	#10-32x3/4 Fill. Hd. Sc.
X-196	4	#10 Lock Washer
8X-321	4	#10-32x5/16 Rd. Hd. Screw 1 2 3 4 5

(Issued 2-27-36)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

DGA-4601 GENERATOR ILLUSTRATION

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAB-1161	1	C.B. Lead Assy.
GAB-161	1	Ins. Bushing
X-590	1	Terminal
X-755	1	Terminal
(GAE-3075)	1	Frame & Field Assy.
GAB-29	4	Pole Piece
GAB-44	2	Field Connection Ins.
GAB-65	1	Insulating Bushing
GAB-66	1	Fuse Locating Plate
GAB-114	1	Insulating Washer
GAB-163	1	Insulating Washer
GAE-1005	1	Field Coil Assy. - Comp.
GAE-1007	1	Field Coil Assy.-U.L.
X-976	1	Terminal
GAE-1008	1	Field Coil - L.L.
GAE-1009	1	Field Coil - L.R.
GAE-1010	1	Field Coil Assy.-U.R.
X-767	1	Terminal
MN-21	1	Dowel Pin
MU-38	1	Field Connection Ins.
0A-384A	2	Fuse Clip
X-81	8	#14-24x5/8 Flat Hd. Screw-Pole Piece
X-171	1	#6-32 Hex. Nut
X-194	1	#6 Lock Washer
8X-302	1	#6-32x1/4 Rd. Hd. Screw
8X-363	1	#6 Special Washer
8X-1007	1	#6-32x5/8 Rd. Hd. Screw
GJ-20	2	Frame Screw
X-199	2	1/4 Lock Washer
X-842	1	Fuse - 5 Ampere

Comm. End Head Assembly & Parts Used With

GAB-100	1	Fuse Cover
(GAE-3074)	1	Comm. End Head Assy.
GAA-44	3	Brush Screw Block
GAB-19	2	Brush Spring
GAB-78	3	Spring Thrust Washer
GAB-81	1	3rd Brush Plate Retain'g Plate
GAB-82	3	3rd Brush Plate Retain'g Spring
GAB-83	3	3rd Brush Plate Retain'g Pin
GAB-118	1	Brush Spring - 3rd
GAB-119	1	Ground Connector Assy.
X-767	2	Terminal
GAB-1014	2	Brush Holder
GAB-1074	1	Comm. End Head Part Assy.
GAB-71	2	3/32x13/64 Oval Head Rivet
GAB-1121A	1	3rd Brush Holder Plate Part Assy.
GAB-1122	1	Brush Holder
GAE-12‡	2	Brush - Main
GAE-13‡	1	Brush - Third
X-194	6	#6 Lock Washer
8X-312	2	#10-32x1/4 Rd. Hd. Screw
X-401	6	1/16x3/8 Cotter Pin
X-537	2	#10 Lock Washer
8X-892	6	#6-32x1/2 Fill. Hd. Screw
X-196	2	#10 Lock Washer
8X-312	2	#10-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAA-21	1	Cupped Oil Guard
GAA-22	1	Cupped Oil Guard
GAA-67	1	Felt Washer
GAB-137L	1	Oil Guard - Left Hand
GAE-3180	1	Armature Assembly
X-263	1	#8 Woodruff Key
X-294	1	Ball Brg. - S.A.E. #202

Drive End Head Assembly & Parts Used With

GAB-1133R	1	Drive End Head Assy.
GAB-133	1	D.E. Head
GAE-43	1	Bearing Retainer
8X-54	3	#8-32x1/2 Rd. Hd. Sc.
X-489	1	1/4 Oiler - Press in Type
X-1253	1	Ball Brg. - S.A.E. #304
X-1275	3	#8 Skpf. Washer

Dist. Mounting Housing & Parts Used With

GAB-96	1	Woodruff Key - Special
GAB-179	1	Dist. Hous'g Plate with Tachometer Mounting
GAB-1093	1	Oiler Plug
GAE-1172	1	Dist. Mounting Hous'g Assy.
GAB-84	1	Steel Bearing
GAB-85	1	Bronze Bearing
GAF-68	1	Dist. Gear - Driver
MU-115	1	Lock Spring Ring
X-194	4	#6 Lock Washer
X-196	3	#10 Lock Washer
8X-309	3	#10-32x1/2 Rd. Hd. Screw
X-487	1	Oiler - Screw in Type
X-491	1	Oiler - 1/4-32 Elbow
8X-645	4	#6-32x3/8 Rd. Hd. Screw

Miscellaneous Parts

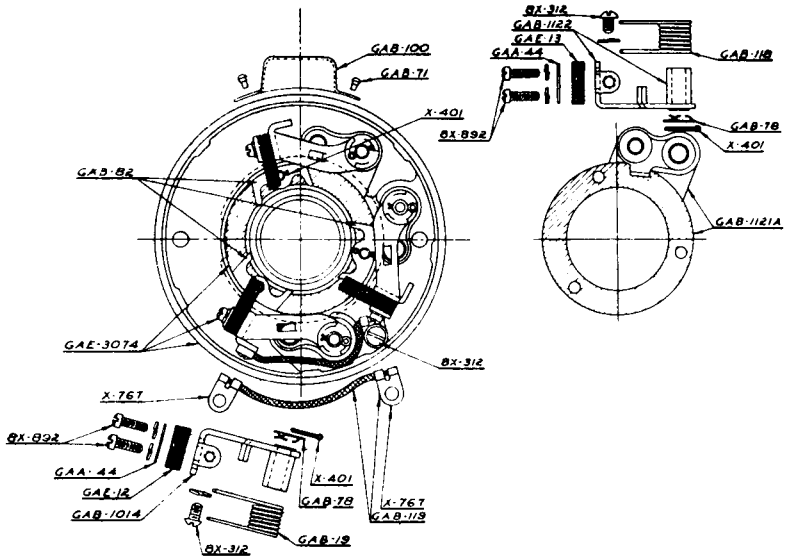
CB-4013	1	Circuit Breaker Assy.
CB-123	1	Armature Spring
CB-160	1	C.B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Screw
GAB-1024A	1	Head Band Assy.
X-196	2	#10 Lock Washer
8X-321	2	#10-32x5/16 Rd. Hd. Screw
X-714	1	#10-32x1 1/2 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

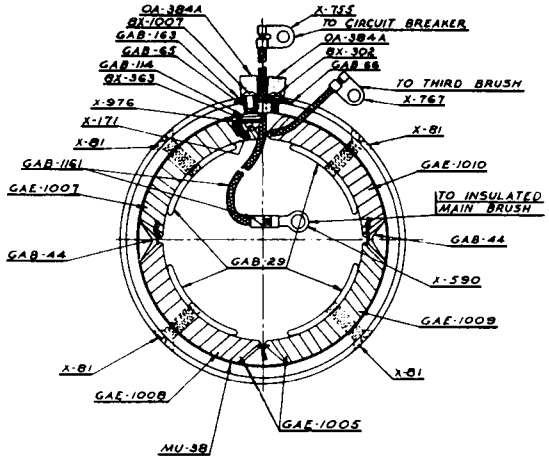
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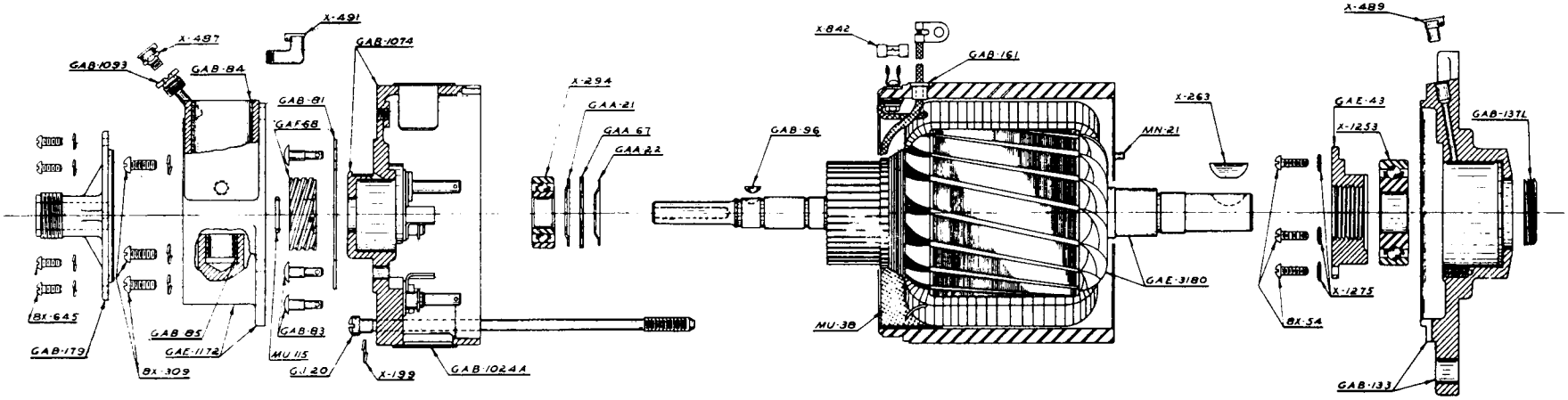
‡ Service Brush Set GAE-2012.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GAE-4021 GENERATOR ILLUSTRATION







Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part 1 2 3 4 5
GAB-1161	1	C. B. Lead Assembly
GAB-161	1	Insulating Bushing
X-590	1	Terminal
X-755	1	Terminal
(GAE-3075)	1	Frame & Field Assembly
GAB-29	4	Pole Piece
GAB-44	2	Field Connection Ins.
GAB-65	1	Insulating Bushing
GAB-66	1	Fuse Locating Plate
GAB-114	1	Insulating Washer
GAB-163	1	Insulating Washer
GAE-1005	1	FIELD COIL ASSY.- Comp.
GAE-1007	1	Field Coil Assy.- U.L.
X-976	1	Terminal
GAE-1008	1	Field Coil - L.L.
GAE-1009	1	Field Coil - L.R.
GAE-1010	1	Field Coil Assy.- U.R.
X-767	1	Terminal
MN-21	1	Dowel Pin
MU-38	1	Field Connection Ins.
OA-384A	2	Fuse Clip
X-81	8	#14-24x5/8 Flat Hd. Sc.
X-171	1	#6-32 Hex. Nut
X-194	1	#6 Lock Washer
8X-302	1	#6-32x1/4 Rd. Hd. Screw
8X-363	1	#6 Special Washer
8X-1007	1	#6-32x5/8 Rd. Hd. Screw
GJ-20	2	Frame Screw
X-199	2	1/4 Lock Washer
X-842	1	Fuse - 5 Amp.

Comm. End Plate Assy. & Parts Used With

GAB-100	1	Fuse Cover
(GAE-2074)	1	Comm. End Plate Assembly
GAA-44	3	Brush Screw Block
GAB-19	3	Brush Spring
GAB-52	1	Ground Connector Assy.
X-767	2	Terminal
GAB-78	3	Spring Thrust Washer
GAB-82	3	3rd Brush Plate Retaining Spring
GAB-1014	3	Brush Holder
GAB-1074	1	C.E. Head Part Assembly
GAB-71	2	3/32x13/64 Oval Hd. Rivet
GAB-1079	1	3rd Brush Plate Part Assy.
GAB-1081	1	3rd Br. Plate Retaining Plate
GAE-12‡	2	Brush - Main
GAE-13‡	1	Brush - Third
GAE-38	1	Gasket
X-194	6	#6 Lock Washer
8X-312	2	#10-32x1/4 Rd. Hd. Screw
X-401	6	1/16x3/8 Cotter Pin
X-537	2	#10 Lock Washer
8X-892	6	#6-32x1/2 Fill. Hd. Sc.
X-196	2	#10 Lock Washer
8X-312	2	#10-32x1/4 Rd. Hd. Screw 1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part 1 2 3 4 5
GAA-21	1	Cupped Oil Guard
GAA-22	1	Cupped Oil Guard
GAA-67	1	Felt Washer
GAB-137	1	Oil Guard - Right Hand
GAE-2180	1	ARMATURE ASSEMBLY
X-263	1	#8 Woodruff Key
X-1470	1	BALL Brg. - S.A.E. #202

Drive End Head Assy. & Parts Used With

GAB-1133L	1	Drive End Head Assembly
GAB-133	1	Drive End Head
GAB-134	1	Bearing Retainer
8X-54	3	#8-32x1/2 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
X-1253	1	BALL BRG. - S.A.E. #304
X-1275	3	#8 Skpf. Washer

Dist. Mounting Housing & Parts Used With

GAB-96	1	Woodruff Key - Special
GAB-179	1	Dist. Housing Plate with Tachometer Mounting
GAB-1093	1	Oiler Plug
GAE-39	1	Gasket
GAE-1086	1	Dist. Mounting Housing Assy.
GAB-84	1	Steel Bearing
GAE-40	1	Absorbent Bronze Brg.
MN-21	1	Dowel Pin
GAF-68	1	Dist. Gear - Driver
MU-115	1	Lock Spring Ring
X-194	4	#6 Lock Washer
X-196	3	#10 Lock Washer
8X-309	3	#10-32x1/2 Rd. Hd. Screw
X-487	1	Oiler - Screw In Type
X-491	1	Oiler - 1/4-32 Elbow
8X-645	4	#6-32x3/8 Rd. Hd. Screw

Miscellaneous Parts

CB-4013	1	CIRCUIT BREAKER ASSEMBLY
CB-123	1	Armature Spring
CB-160S	1	C. B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Screw
GAB-1024A	1	Head Band Assembly
X-196	2	#10 Lock Washer
8X-321	2	#10-32x5/16 Rd. Hd. Screw
X-714	1	#10-32x1 1/2 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut 1 2 3 4 5

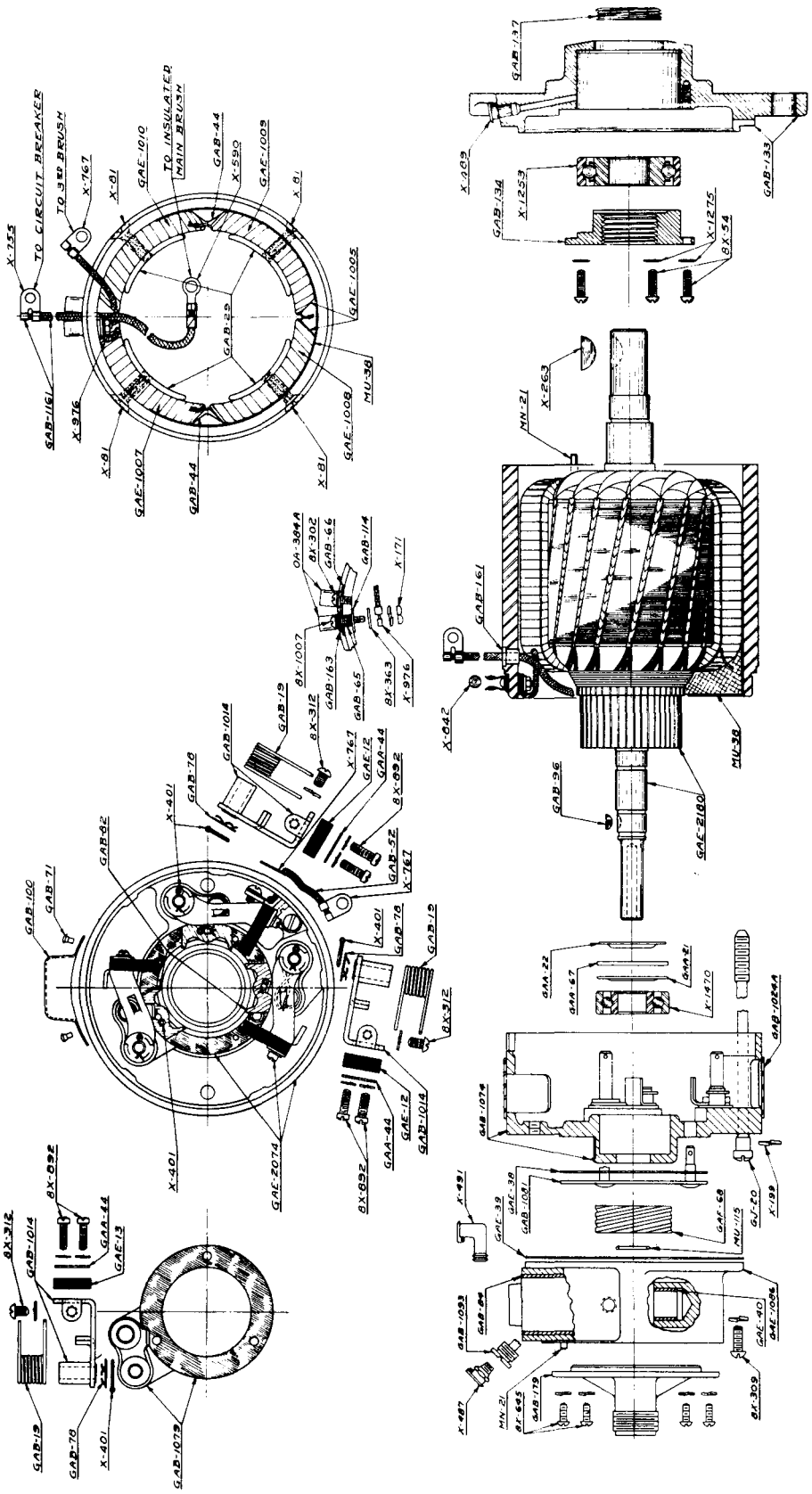
(Issued 7-31-40)

‡ SERVICE BRUSH SET GAE-2012.

UNIT	APPLICATION
GAE-4020	Universal

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GAE-4020 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAB-100	1	Cover, Fuse
GAB-1161	1	Lead Assy., C.B.
GAB-161	1	Bushing, Insulating
X-590	1	Terminal
X-755	1	Terminal
(GAE-3075)	1	Frame & Field Assy.
GAB-44	2	Insulation, Field Connection
GAB-65	1	Bushing, Ins., Field Fuse Mtg. Screw
GAB-66	1	Plate, Fuse Locating
GAB-114	1	Washer, Insulating
GAB-163	1	Washer, Insulating
GAE-1005	1	Coil Assy., Field,Comp.
GAE-1007	1	Coil Assy., Field, Upper Left
X-976	1	Terminal
GAE-1008	1	Coil, Field, Lower Left
GAE-1009	1	Coil, Field, Lower Right
GAE-1010	1	Coil Assy., Field, U.R.
X-767	1	Terminal
MN-21	1	Pin, Dowel
MU-38	1	Insulation, Field Connection
OA-384A	2	Clip, Fuse
X-81	8	Screw, Pole Shoe
X-171	1	Nut, Hex., #6-32
X-194	1	Washer, Lock, #6
8X-302	1	Screw, Rd. hd., #6-32x1/4
8X-363	1	Washer, Special, #6
8X-1007	1	Screw, Rd. hd., #6-32x5/8
GJ-20	2	Bolt, Thru
X-199	2	Washer, Lock, Thru Bolt, 1/4
X-842	1	Fuse, 5 Amps.

Comm. End Head Assembly & Parts Used With

DA-22	1	Washer, Plain, Brg. Retaining, Comm. End
DA-60	1	Screw, Retaining, C.E. Brg., Hex. hd., 1/4-28x5/8
GAB-188	1	Washer, Felt
(GAE-2174)	1	Head Assy., Comm. End
GAA-44	3	Block, Brush Screw
GAA-45	3	Ring, Lock Spring
GAB-19	3	Spring, Brush
GAB-51	2	Spring, 3rd Brush Plate Retaining
GAB-52	1	Connector Assy., Ground
X-767	2	Terminal
GAB-176	1	Ring, Spacing
GAB-1014	3	Holder, Brush
GAB-1048	1	Plate, 3rd Brush Holder
GAB-1174A	1	Head Assy., Partial, Comm. End
GAB-71	2	Rivet, Oval hd., 3/32x 13/64
X-489	1	Oiler, Hinge Top, Press in, 1/4
		1 2 3 4 5

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAE-12‡	2	Brush, Main
GAE-13‡	1	Brush, Third
8X-55	2	Screw, Rd. hd., #8-32x3/8
X-194	6	Washer, Lock, #6
8X-361	3	Washer, Plain, 1/4
X-537	2	Washer, Lock, #10
8X-892	6	Screw, Fil. hd., #6-32x1/2
8X-1004	2	Screw, Rd. hd., #10-32x3/16
GR-32	1	Retainer, Felt Washer
GT-76	1	Retainer, Felt Washer
GY-34	1	Cover, Comm. End
GY-38	2	Gasket, C.E. Cover
X-196	5	Washer, Lock, #10
X-199	1	Washer, Lock, Brg. Retaining Screw, 1/4
X-295	1	Bearing, Ball, S.A.E. #203
8X-312	2	Screw, Rd. hd., #10-32x1/4
8X-870	3	Screw, Cover Holding, Fil. hd., #10-32x5/16

Armature Assembly & Parts Used With

GAE-2187	1	Armature Assy.
GK-64	1	Snap Ring
GK-174A	1	Washer, Plain, 1/2
X-156	1	Nut, Armature Shaft, Hex., Castellated, 1/2-20
X-263	1	Key, Woodruff, #8
X-404	1	Pin, Cotter, 3/32x1

Drive End Head Assembly & Parts Used With

GAB-136	1	Shield, Dust
GAB-1133LA	1	Head Assy., Drive End
GAB-133A	1	Head
GAB-134	1	Retainer, Bearing
8X-54	3	Screw, Rd. hd., #8-32x1/2
X-489	1	Oiler, Press in Type, 1/4
X-1253	1	Bearing, Ball, S.A.E. #304
X-1275	3	Washer, Skpf., #8
GAE-42	1	Oil Guard

Miscellaneous Parts

CB-4013	1	Relay Assy., Cutout
GX-1024G	1	Band, Head
X-196	2	Washer, Lock, #10
8X-321	2	Screw, Mtg., Cutout Relay, Rd. hd., #10-32x5/16
X-714	1	Screw, Cover Band, Rd. hd., #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square, #10-32
		1 2 3 4 5

(Issued 3-8-44)

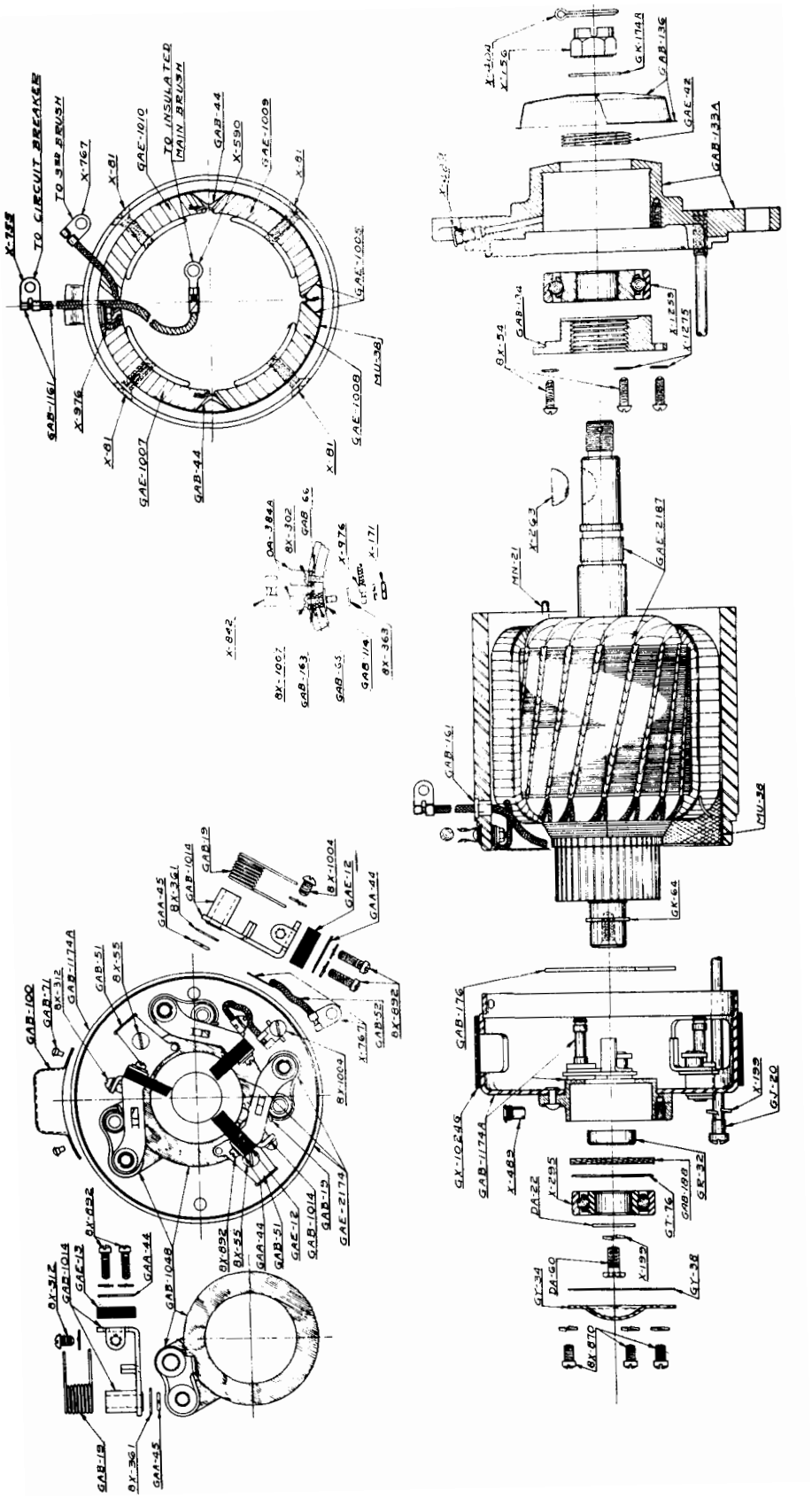
‡ Brush Set, Service, GAE-2012.

Printed in U. S. A.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

File in Equipment & Parts List Binder

GAE-4022 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAB-100	1	Cover, Fuse
GAB-1161	1	Lead Assy., C.B.
GAB-161	1	Bushing, Insulating
X-590	1	Terminal
X-755	1	Terminal
(GAE-3075)	1	Frame & Field Assy.
GAB-44	2	Insulation, Field Connection
GAB-65	1	Bushing, Ins., Field Fuse, Mtg. Screw
GAB-66	1	Plate, Fuse Locating
GAB-114	1	Washer, Insulating
GAB-163	1	Washer, Insulating
GAE-1005	1	Coil Assy., Field, Comp.
GAE-1007	1	Coil Assy., Field, U.L.
X-976	1	Terminal
GAE-1008	1	Coil, Field, L.L.
GAE-1009	1	Coil, Field, L.R.
GAE-1010	1	Coil Assy., Field, U.R.
X-767	1	Terminal
MN-21	1	Pin, Dowel
MU-38	1	Insulation, Field Connection
OA-384A	2	Clip, Fuse
X-81	8	Screw, Pole Shoe
X-171	1	Nut, Hex., #6-32
X-194	1	Washer, Lock, #6
8X-302	1	Screw, Rd. hd., #6-32x1/4
8X-363	1	Washer, Special, #6
8X-1007	1	Screw, Rd. hd., #6-32x5/8
GJ-20	2	Bolt, Thru
X-199	2	Washer, Lock, Thru Bolt, 1/4
X-842	1	Fuse, 5 Amps.

Comm. End Head Assembly & Parts Used With

DA-22	1	Washer, Plain, Brg. Retaining, Comm. End
DA-60	1	Screw, Retaining, C.E. Brg., Hex. hd., 1/4-28x5/8
GAB-188	1	Washer, Felt
(GAE-3195)	1	Head Assy., Comm. End
GAA-44	3	Block, Brush Screw
GAA-45	3	Ring, Lock Spring
GAB-19	2	Spring, Brush
GAB-51	2	Spring, 3rd Brush Plate Retaining
GAB-52	1	Connector Assy., Ground
X-767	2	Terminal
GAB-118	1	Spring, 3rd Brush
GAB-176	1	Ring, Spacing
GAB-1014	2	Holder, Brush
GAB-1122	1	Holder, Brush
GAB-1193	1	Plate, 3rd Brush Holder
GAB-1195A	1	Head
GAE-12‡	2	Brush, Main
GAE-13‡	1	Brush, Third
8X-55	2	Screw, Rd. hd., #8-32x3/8
X-194	6	Washer, Lock, #6
		1 2 3 4 5

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
8X-361	3	Washer, Plain, 1/4
X-537	2	Washer, Lock, #10
8X-892	6	Screw, Fil. hd., #6-32x1/2
8X-1004	2	Screw, Rd. hd., #10-32x3/16
GR-32	1	Retainer, Felt Washer
GT-76	1	Retainer, Felt Washer
GY-34	1	Cover, Comm. End
GY-38	2	Gasket, C.E. Cover
X-196	5	Washer, Lock, #10
X-199	1	Washer, Lock, Brg. Retaining Screw, 1/4
X-295	1	Bearing, Ball, S.A.E. #203
8X-312	2	Screw, Rd. hd., #10-32x1/4
8X-870	3	Screw, Cover Holding, Fil. hd., #10-32x5/16

Armature Assembly & Parts Used With

GAE-3187	1	Armature Assy.
GK-64	1	Snap Ring
GK-174A	1	Washer, Plain, 1/2
X-156	1	Nut, Armature Shaft, Hex., Castellated, 1/2-20
X-263	1	Key, Woodruff, #8
X-404	1	Pin, Cotter, 3/32x1

Drive End Head Assembly & Parts Used With

GAB-136	1	Shield, Dust
GAB-1133R	1	Head Assy., Drive End
GAB-133	1	Head
GAE-43	1	Retainer, Bearing
8X-54	3	Screw, Rd. hd., #8-32x1/2
X-489	1	Oiler, Press in Type, 1/4
X-1253	1	Bearing, Ball, S.A.E. #304
X-1275	3	Washer, Skpf., #8
GAE-41	1	Oil Guard, L.H.

Miscellaneous Parts

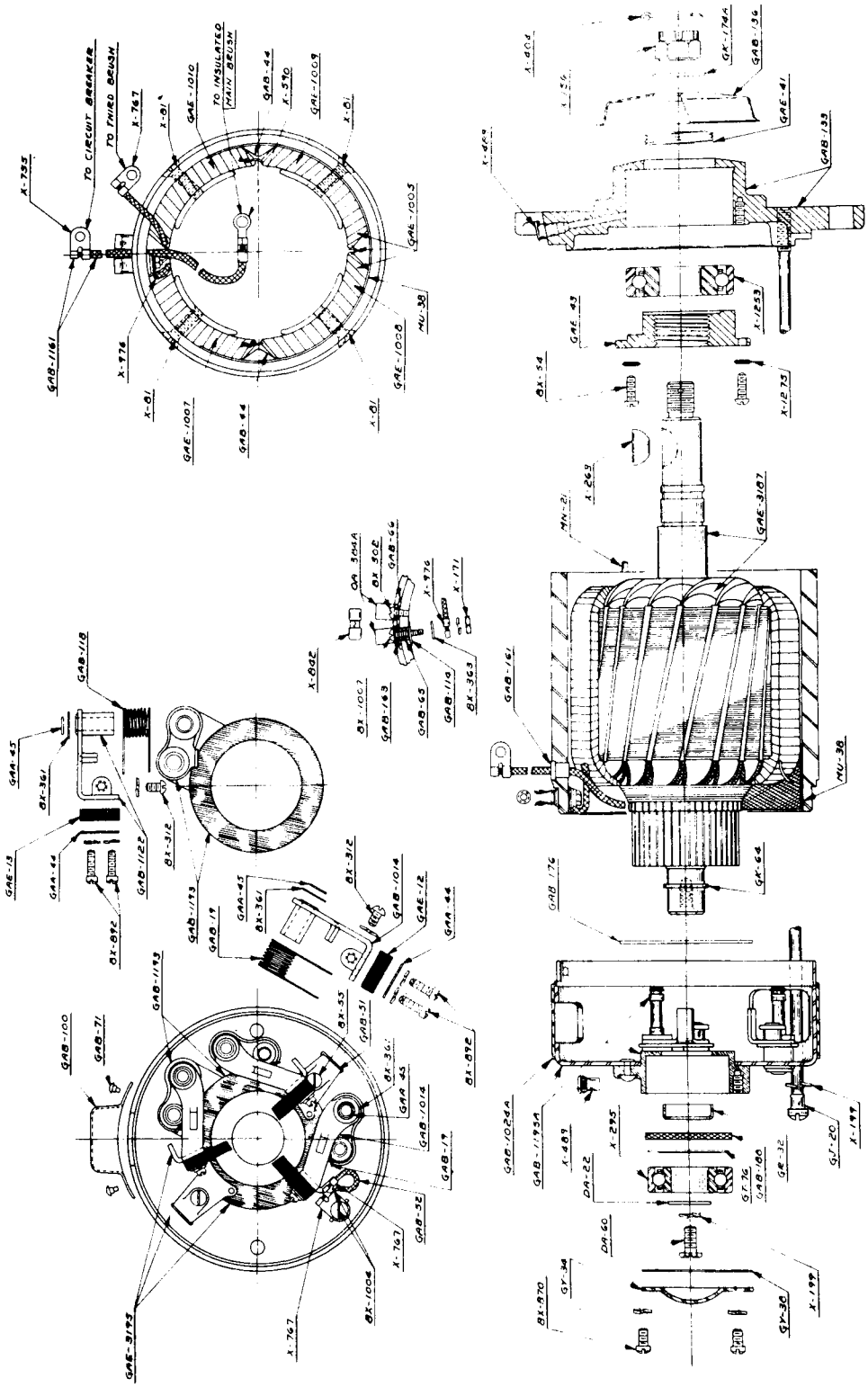
CB-4013	1	Relay Assy., Cutout
CB-123	1	Spring, Armature
CB-160S	1	Cover
PX-55	1	Screw, Arm. Term., Bdg. hd., #10-32x3/16
X-196	2	Washer, Lock, Term. Sc., #10
8X-312	1	Screw, Bat. Term., Rd. hd., #10-32x1/4
GAB-1024A	1	Band, Cover
X-196	2	Washer, Lock, #10
8X-321	2	Screw, Mtg., Cutout Relay, Rd. hd., #10-32x5/16
X-714	1	Screw, Cover Band, Rd. hd., #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square, #10-32
		1 2 3 4 5

(Issued 3-9-44)

‡ Brush Set, Service, GAE-2012.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GAE-4026 GENERATOR ILLUSTRATION



Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAB-1161	1	C. B. Lead Assembly
GAB-161	1	Insulating Bushing
X-590	1	End Terminal
X-755	1	Side Terminal
(GAE-3075)	1	Frame & Field Assembly
GAB-29	4	Pole Piece
GAB-44	2	Field Connection Ins.
GAB-65	1	Insulating Bushing
GAB-66	1	Fuse Locating Plate
GAB-114	1	Insulating Washer
GAB-163	1	Insulating Washer
GAE-1005	1	FIELD COIL ASSY.- COMP.
GAE-1007	1	Field Coil Assy.- U.L.
X-976	1	Terminal
GAE-1008	1	Field Coil - L.L.
GAE-1009	1	Field Coil - L.R.
GAE-1010	1	Field Coil Assy.- U.R.
X-767	1	Terminal
MN-21	1	Dowel Pin
MU-38	1	Field Connection Ins.
OA-384A	2	Fuse Clip
X-81	8	#14-24x5/8 Flat Hd. Sc.
X-171	1	#6-32 Hex. Nut
X-194	1	#6 Lock Washer
8X-302	1	#6-32x1/4 Rd. Hd. Screw
8X-363	1	#6 Special Washer
8X-1007	1	#6-32x5/8 Rd. Hd. Screw
GJ-20	2	Frame Screw
X-199	2	1/4 Lock Washer

Comm. End Head Assy. & Parts Used With

DA-22	1	Bearing Retaining Washer
DA-60	1	Bearing Retaining Screw
GAB-100	1	Fuse Cover
(GAE-2174)	1	Comm. End Head Assembly
GAA-44	3	Brush Screw Block
GAA-45	3	Lock Spring Ring
GAB-19	3	Brush Spring
CAB-51	2	3rd Brush Plate Retaining Spring
GAB-52	1	Ground Connector Assy.
X-767	2	Terminal
GAB-176	1	Spacing Ring
GAB-1014	3	Brush Holder
GAB-1048	1	3rd Brush Holder Plate
GAB-1174A	1	C. E. Head Part Assy.
GAB-71	2	3/32x13/64 Oval Hd. Rivet
X-489	1	1/4 Oiler - Press in Type
GAE-12‡	2	Brush - Main
GAE-13‡	1	Brush - Third
8X-55	2	#8-32x3/8 Rd. Hd. Screw
X-194	6	#6 Lock Washer
8X-361	3	1/4 Plain Washer
		1 2 3 4 5

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
X-537	2	#10 Lock Washer
8X-892	6	#6-32x1/2 Fill. Hd. Screw
8X-1004	2	#10-32x3/16 Rd. Hd. Screw
GR-32	1	Felt Washer Retainer
GR-73	1	Felt Washer
GT-76	1	Felt Washer Retainer
GY-34	1	Commutator End Cap Cover
GY-38	2	End Cap Cover Gasket
X-196	5	#10 Lock Washer
X-199	1	1/4 Lock Washer
X-295	1	BALL BEARING - S.A.E. #203
8X-312	2	#10-32x1/4 Rd. Hd. Screw
X-842	1	Fuse - 5 Amp.
8X-870	3	#10-32x5/16 Fill. Hd. Screw

Armature Assembly & Parts Used With

GAE-2187	1	ARMATURE ASSEMBLY
GK-64	1	Snap Ring
GK-174A	1	1/2 Plain Washer
X-156	1	1/2-20 Castellated Nut
X-263	1	#8 Woodruff Key
X-404	1	3/32x1 Cotter Pin

Drive End Head Assy. & Parts Used With

GAB-136	1	Cupped Dust Shield
GAB-1133L	1	Drive End Head Assy.
GAB-133	1	D. E. Head
GAB-134	1	Bearing Retainer
8X-54	3	#8-32x1/2 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
X-1253	1	BALL BRG. - S.A.E. #304
X-1275	3	#8 Skpf. Washer
GAE-42	1	Oil Guard - Right Hand

Miscellaneous Parts

CB-4013	1	CIRCUIT BREAKER ASSEMBLY
CB-123	1	Armature Spring
CB-160S	1	C. B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Screw
GAB-1024A	1	Head Band Assembly
X-196	2	#10 Lock Washer
8X-321	2	#10-32x5/16 Rd. Hd. Screw
X-714	1	#10-32x1 1/2 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

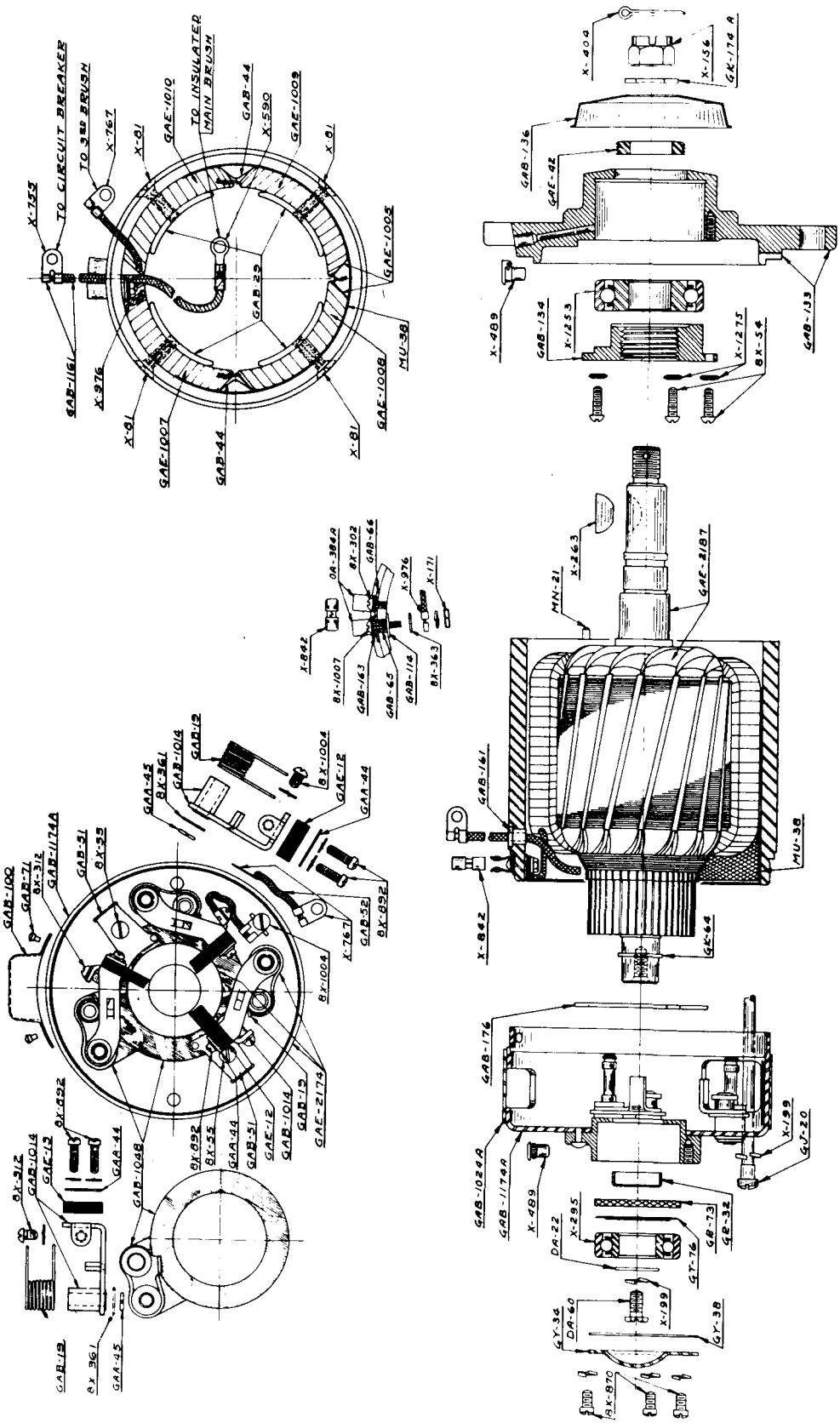
(Issued 8-21-39)

‡ Service BRUSH SET GAE-2012.

UNIT	APPLICATION
GAE-4027	Hill-Diesel

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GAE-4027 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part 1 2 3 4 5
GAB-1161	1	C.B. Lead Assy.
GAB-161	1	Ins. Bushing
X-590	1	Terminal
X-755	1	Terminal
(GAE-3075)	1	Frame & Field Assy.
GAB-29	4	Pole Piece
GAB-44	2	Field Connection Ins.
GAB-65	1	Ins. Bushing
GAB-66	1	Fuse Locating Plate
GAB-114	1	Ins. Washer
GAB-163	1	Ins. Washer
GAE-1005	1	Field Coil Assy. - Comp.
GAE-1007	1	Field Coil Assy. - U.L.
X-976	1	Terminal
GAE-1008	1	Field Coil - L.L.
GAE-1009	1	Field Coil - L.R.
GAE-1010	1	Field Coil Assy. - U.R.
X-767	1	Terminal
MN-21	1	Dowel Pin
MU-38	1	Field Connection Ins.
0A-384A	2	Fuse Clip
X-81	8	#14-24x5/8 Flat Hd. Screw-Pole Piece
X-171	1	#6-32 Hex. Nut
X-194	1	#6 Lock Washer
8X-302	1	#6-32x1/4 Rd. Hd. Screw
8X-363	1	#6 Special Washer
8X-1007	1	#6-32x5/8 Rd. Hd. Screw
GJ-20	2	Frame Screw
X-199	2	1/4 Lock Washer
X-842	1	Fuse - 5 Ampere

Comm. End Head Assembly & Parts Used With

Part No.	No. Used	Name of Part 1 2 3 4 5
DA-22	1	Bearing Retaining Washer
DA-60	1	Bearing Retaining Screw
GAB-100	1	Fuse Cover
(GAE-2174)	1	Comm. End Head Assy.
GAA-44	3	Brush Screw Block
GAA-45	3	Lock Spring Ring
GAB-19	3	Brush Spring
GAB-51	2	3rd Brush Plate Retain'g Spring
GAB-52	1	Ground Connector Assy.
X-767	2	Terminal
GAB-176	1	Spacing Ring
GAB-1014	3	Brush Holder
GAB-1048	1	3rd Brush Holder Plate
GAB-1174A	1	Comm. End Head Part Assy.
GAB-71	2	3/32x13/64 Oval Hd. Rivet
X-489	1	1/4 Oiler - Press in Type
GAE-12	2	Brush - Main
GAE-13	1	Brush - Third
8X-55	2	#8-32x3/8 Rd. Hd. Screw
X-194	6	#6 Lock Washer
8X-361	3	1/4 Plain Washer
X-537	2	#10 Lock Washer
8X-892	6	#6-32x1/2 Fill. Hd. Screw
8X-1004	2	#10-32x3/16 Rd. Hd. Screw
GR-32	1	Felt Washer Retainer 1 2 3 4 5

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part 1 2 3 4 5
GR-73	1	Felt Washer
GT-76	1	Felt Washer Retainer
GY-34	1	Comm. End Cap Cover
GY-38	1	End Cap Cover Gasket
X-196	5	#10 Lock Washer
X-199	1	1/4 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
8X-312	2	#10-32x1/4 Rd. Hd. Screw
8X-870	3	#10-32x5/16 Fill. Hd. Sc.

Armature Assembly & Parts Used With

GAE-1046	1	Oil Thrower
GAE-2045	1	Armature Assembly
GK-174A	1	1/2 Plain Washer
X-156	1	1/2-20 Castellated Nut
X-263	1	#8 Woodruff Key
X-408	1	1/16x1 Cotter Pin

Drive End Head Assembly & Parts Used With

GAE-1044	1	Drive End Head Assy.
GAE-44	1	Drive End Head
GAE-47	1	Bearing Retainer
8X-66	3	#10-32x1/2 Flat Hd. Sc.
X-378	1	Ball Bearing - Oil Seal

Miscellaneous Parts

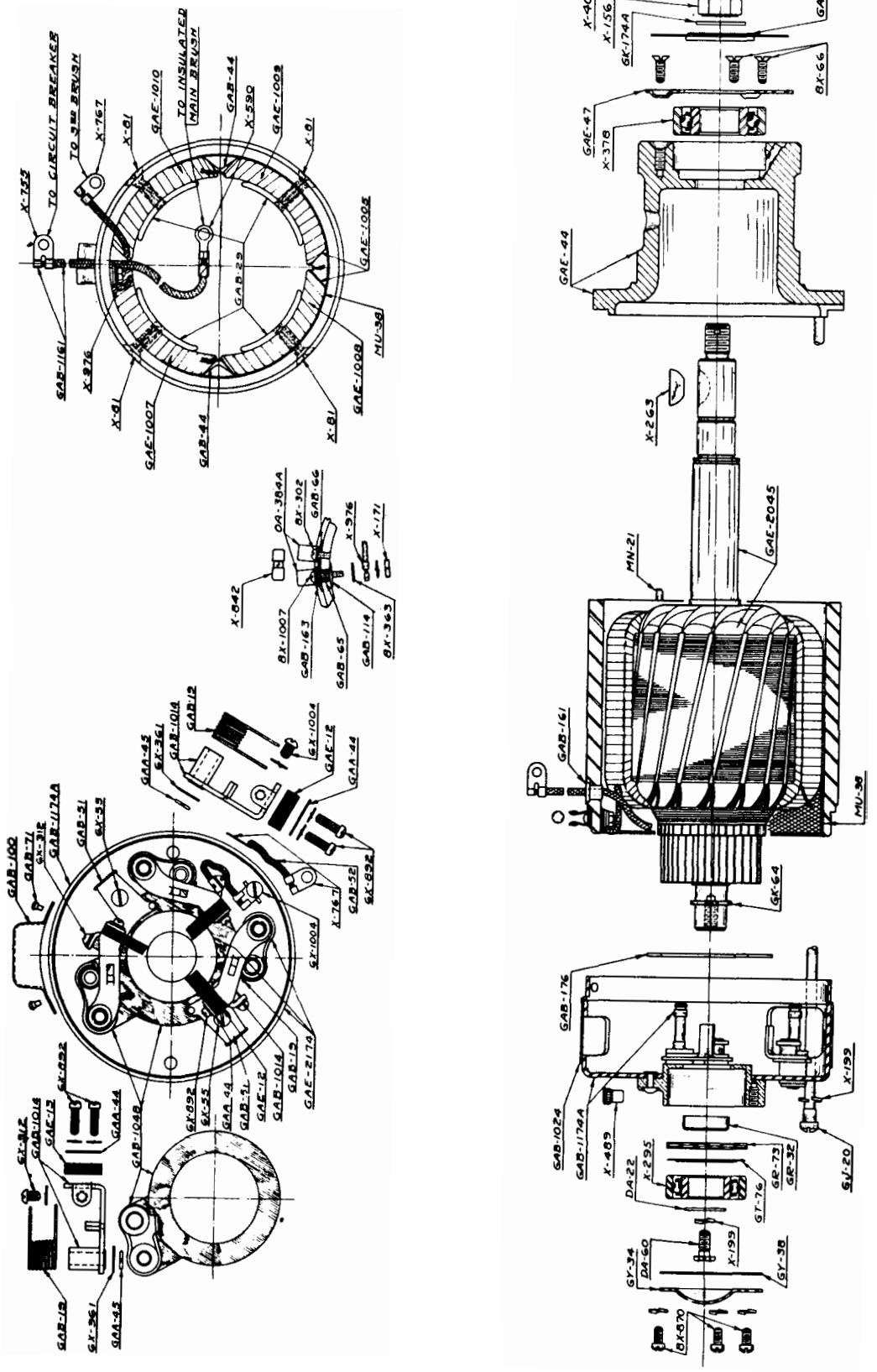
CB-4013	1	Circuit Breaker Assy.
CB-123	1	Armature Spring
CB-160	1	C.B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Screw
GAB-1024	1	Head Band Assembly
X-196	2	#10 Lock Washer
8X-321	2	#10-32x5/16 Rd. Hd. Screw
X-714	1	#10-32x1 1/2 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut 1 2 3 4 5

(Issued 5-4-36)

NOTE:- Use GAE-2012 brush set in servicing this unit.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GAE-4031 GENERATOR ILLUSTRATION



GAE-4037 GENERATOR PARTS LIST GAE-4037

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAB-125S	1	Bracket, Mounting
(GAE-2201)	1	Frame & Field Assy.
GAB-44	2	Insulation, Field Connection
GAE-1005B	1	Coil Assy., Field, Comp.
GAE-1007B	1	Coil Assy., Field, U.L.
X-767	1	Terminal
GAE-1008	1	Coil, Field, L.L.
GAE-1009	1	Coil, Field, L.R.
GAE-1010A	1	Coil Assy., Field, U.R.
GAL-338	1	Lead Assy.
X-755	2	Terminal
X-767	1	Terminal
GAR-211	1	Bushing, Insulating
MN-21	1	Pin, Dowel
MU-38	1	Insulation, Field Connection
X-81	8	Screw, Pole Shoe
GJ-20	2	Bolt, Thru
X-113	2	Screw, Mounting Bracket, Hex. hd., 5/16-24x5/8
X-199	2	Washer, Lock, 1/4
X-1014	2	Washer, Lock, Mtg. Bracket Screw, 5/16

Comm. End Head Assembly & Parts Used With

DA-22	1	Washer, Plain, Brg. Retaining, Comm. End
DA-60	1	Screw, Retaining, C.E. Brg., Hex. hd., 1/4-28x5/8
GAB-188	1	Washer, Felt
(GAE-2191)	1	Comm. End Head Assy.
GAA-44	3	Block, Brush Screw
GAA-45	3	Ring, Lock Spring
GAB-19	3	Spring, Brush
GAB-51	2	Spring, 3rd Brush Plate Retaining
GAB-52	1	Connector Assy., Ground
X-767	2	Terminal
GAB-176	1	Spacing Ring
GAB-1014	3	Holder, Brush
GAB-1048	1	Plate, 3rd Brush Holder
GAB-1191A	1	Head Assy., Partial, Comm. End
X-489	1	Oiler, Hinge Top, Press in, 1/4
GAE-12‡	2	Brush, Main
GAE-13‡	1	Brush, Third
8X-55	2	Screw, Rd. hd., #8-32x3/8
X-194	6	Washer, Lock, #6
8X-361	3	Washer, Plain, 1/4
X-537	2	Washer, Lock, #10
8X-892	6	Screw, Fil. hd., #6-32x1/2
8X-1004	2	Screw, Rd. hd., #10-32x3/16
GR-32	1	Retainer, Felt Washer
GT-76	1	Retainer, Felt Washer
GY-34	1	Cover, Comm. End
GY-38	2	Gasket, C.E. Cover
		1 2 3 4 5

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
X-196	5	Washer, Lock, #10
X-295	1	Bearing, Ball, S.A.E. #203
8X-312	2	Screw, Rd. hd., #10-32x1/4
8X-870	3	Screw, Fill. hd., #10-32x5/16

Armature Assembly & Parts Used With

GAB-129	1	Spacer, Armature Shaft
GAB-130	1	Ring, Spring, Lock
GAE-2190	1	Armature Assy.
GK-64	1	Snap Ring
X-160	1	Nut, Armature Shaft, Hex., 7/16-20
X-205	1	Washer, Lock, Arm. Shaft, 7/16
X-261	1	Key, Woodruff, #6

Drive End Head Assembly & Parts Used With

GAB-1124	1	Head Assy., Drive End
GAB-124	1	Head
GAB-126	1	Retainer, Bearing
GAB-127	1	Retainer, Felt Washer
GAB-128	1	Washer, Felt
X-196	4	Washer, Lock, Retainer Screw, #10
X-298	1	Bearing, Ball, S.A.E. #204
8X-311	4	Screw, Retainer, Rd. hd., #10-32x3/8
X-489	1	Oiler, Press in, 1/4

Miscellaneous Parts

GAB-1024A	1	Band, Cover
TC-4303B	1	Regulator
X-196	4	Washer, Lock, Regulator Mtg., #10
8X-321	4	Screw, Mtg., Regulator, Rd. hd., #10-32x5/16
X-714	1	Screw, Cover Band, Rd. hd., #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square, #10-32
		1 2 3 4 5

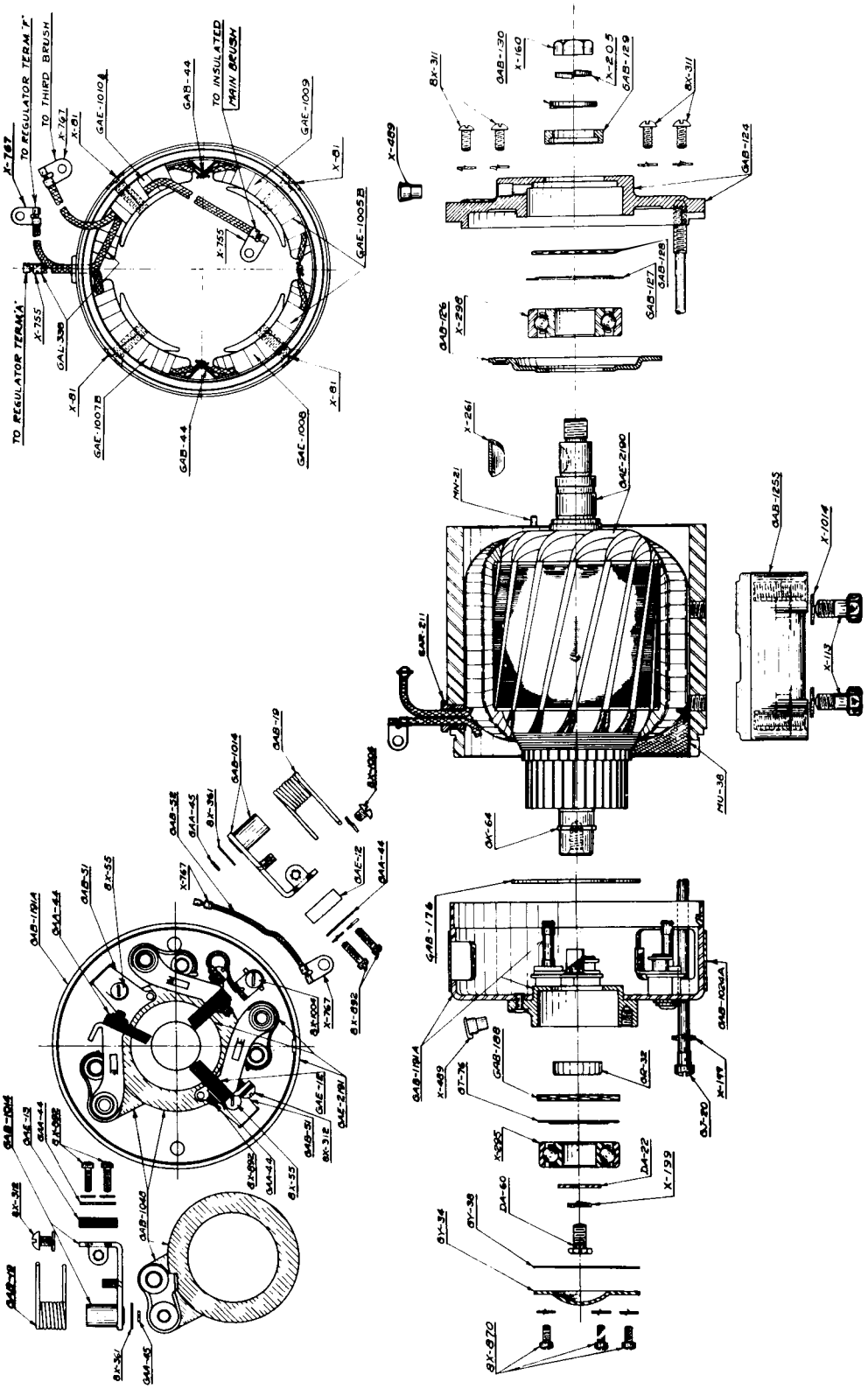
(Issued 3-9-44)

‡ Brush Set, Service, GAE-2012.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GAE-4037 GENERATOR ILLUSTRATION



GAE-4040,A GENERATOR PARTS LIST GAE-4040,A

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAB-125S	1	Bracket, Mounting
(GAE-2206)	1	Frame & Field Assy.
GAB-44	2	Insulation, Field Connection
GAE-1005B	1	Coil Assy., Field, Comp.
GAE-1007B	1	Coil Assy., Field, U.L.
X-767	1	Terminal
GAE-1008	1	Coil, Field, L.L.
GAE-1009	1	Coil, Field, L.R.
GAE-1010A	1	Coil Assy., Field, U.R.
GAL-338	1	Lead Assy.
X-755	2	Terminal
X-767	1	Terminal
GAR-211	1	Bushing, Insulating
MN-21	1	Pin, Dowel
MU-38	1	Insulation, Field Connection
X-81	8	Screw, Pole Shoe
GJ-20	2	Bolt, Thru
X-113	2	Screw, Mounting Bracket, Hex. hd., 5/16-24x5/8
X-199	2	Washer, Lock, Thru Bolt, 1/4
X-1014	2	Washer, Lock, Mtg. Bracket Screw, 5/16

Comm. End Head Assembly & Parts Used With

DA-22	1	Washer, Plain, Brg. Retaining, Comm. End
DA-60	1	Screw, Retaining, C.E. Brg., Hex. hd., 1/4-28x5/8
GAB-188	1	Washer, Felt
(GAE-2191)	1	Comm. End Head Assy.
GAA-44	3	Block, Brush Screw
GAA-45	3	Ring, Lock Spring
GAB-19	3	Spring, Brush
GAB-51	2	Spring, 3rd Brush Plate Retaining
GAB-52	1	Connector Assy., Ground
X-767	2	Terminal
GAB-176	1	Spacing Ring
GAB-1014	3	Holder, Brush
GAB-1048	1	Plate, 3rd Brush Holder
GAB-1191A	1	Head Assy., Partial, Comm. End
X-489	1	Oiler, Hinge Top, Press in, 1/4
GAE-12‡	2	Brush, Main
GAE-13‡	1	Brush, Third
8X-55	2	Screw, Rd. hd., #8-32x3/8
X-194	6	Washer, Lock, #6
8X-361	3	Washer, Plain, 1/4
X-537	2	Washer, Lock, #10
8X-892	6	Screw, Fil. hd., #6-32x1/2
8X-1004	2	Screw, Rd. hd., #10-32x3/16
GR-32	1	Retainer, Felt Washer
GT-76	1	Retainer, Felt Washer
GY-34	1	Cover, Comm. End
GY-38	2	Gasket, C.E. Cover
X-196	5	Washer, Lock, #10
		1 2 3 4 5

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
X-295	1	Bearing, Ball, S.A.E. #203
8X-312	2	Screw, Attaching, Brush Lead, Rd. hd., #10-32x1/4
8X-870	3	Screw, Cover Holding, Fil. hd., #10-32x5/16

Armature Assembly & Parts Used With

GAB-129	1	Spacer, Armature Shaft
GAB-130	1	Ring, Spring, Lock
GAE-2190	1	Armature Assy.
GK-64	1	Snap Ring
X-160	1	Nut, Armature Shaft, Hex., 7/16-20
X-205	1	Washer, Lock, Armature Shaft, 7/16
X-261	1	Key, Woodruff, #6

Drive End Head Assembly & Parts Used With

GAB-1124	1	Head Assy., Drive End
GAB-124	1	Head
GAB-126	1	Retainer, Bearing
GAB-127	1	Retainer, Felt Washer
GAB-128	1	Washer, Felt
X-196	4	Washer, Lock, Retainer Screw, #10
X-298	1	Bearing, Ball, S.A.E. #204
8X-311	4	Screw, Retainer, Rd. hd., #10-32x3/8
X-489	1	Oiler, Press in, 1/4

Miscellaneous Parts

GAB-1024A	1	Band, Cover
*	1	Regulator
X-196	4	Washer, Lock, Regulator Mtg., #10
8X-321	4	Screw, Mtg., Regulator, Rd. hd., #10-32x5/16
8X-714	1	Screw, Cover Band, Rd. hd., #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square, #10-32
		1 2 3 4 5

(Issued 3-9-44)

Assembly No.	Regulator
GAE-4040	TC-4303B
GAE-4040A	TC-4303D

‡ Brush Set, Service, GAE-2012.

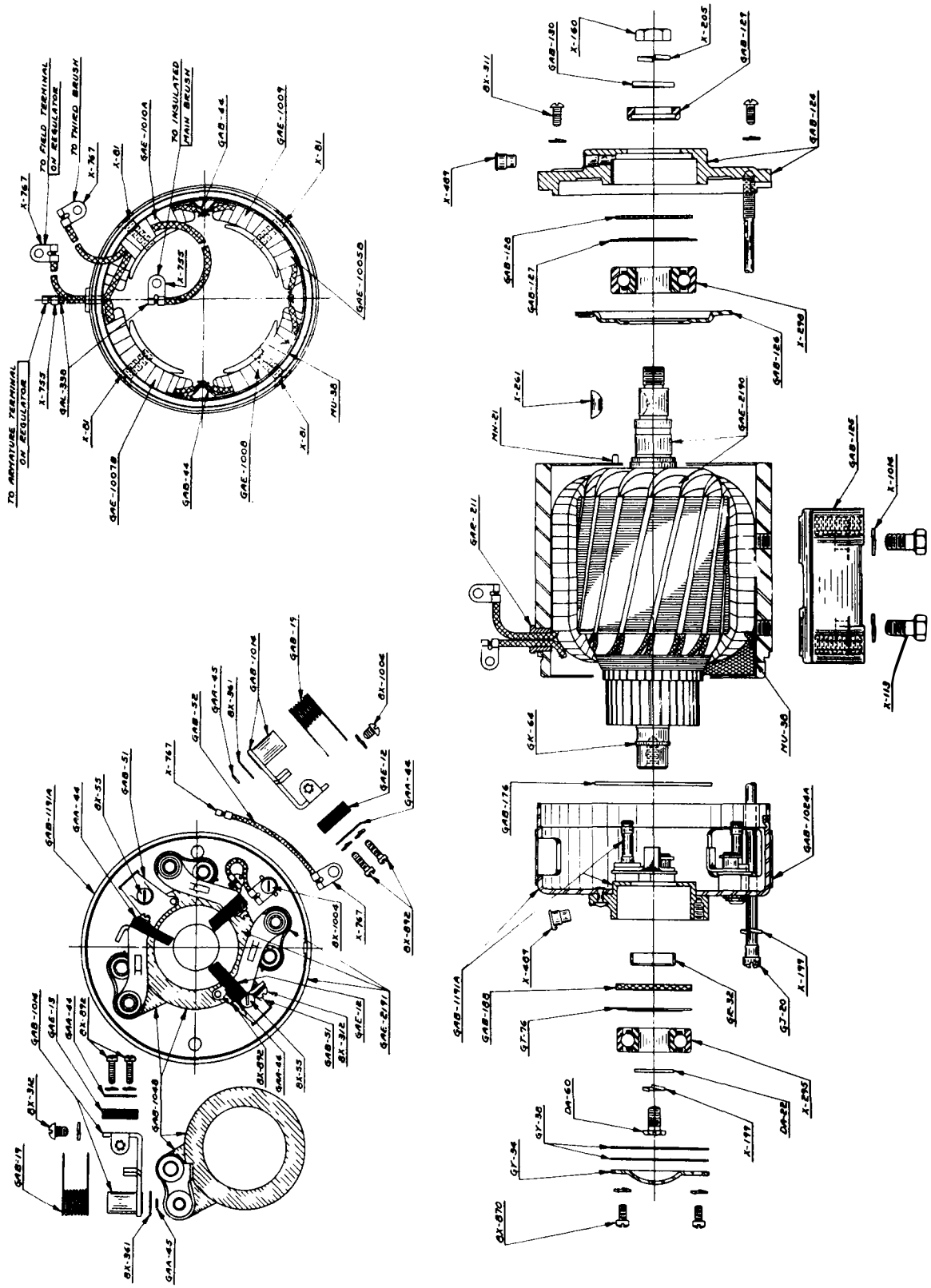
* See table following parts list for part number applying to assembly wanted.

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File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GAE-4040,A GENERATOR ILLUSTRATION



Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part 1 2 3 4 5
(GAE-2203)	1	Frame & Field Assembly
GAB-29	4	Pole Piece
GAB-44	2	Field Connection Ins.
GAE-1005B	1	FIELD COIL ASSY.- COMP.
GAE-1007B	1	Field Coil Assy.- U.L.
X-767	1	Terminal
GAE-1008	1	Field Coil - L.L.
GAE-1009	1	Field Coil - L.R.
GAE-1010A	1	Field Coil Assy.- U.R.
GAL-338	1	C.B. Lead Assy.
X-755	2	Terminal
X-767	1	Terminal
GAR-211	1	Insulating Bushing
MN-21	1	Dowel Pin
MU-38	1	Field Connection Ins.
X-81	8	#14-24x5/8 Flat Hd. Pole Piece Screw
GJ-20	2	Frame Screw
X-199	2	1/4 Lock Washer

Comm. End Head Assy. & Parts Used With

DA-22	1	Bearing Retaining Washer
DA-60	1	Bearing Retaining Screw
(GAE-2191)	1	Comm. End Head Assembly
GAA-44	3	Brush Screw Block
GAA-45	3	Lock Spring Ring
GAB-19	3	Brush Spring
GAB-51	2	3rd Brush Plate Retaining Spring
GAB-52	1	Ground Connector Assy.
X-767	2	Side Terminal
GAB-176	1	Spacing Ring
GAB-1014	3	Brush Holder
GAB-1048	1	3rd Brush Holder Plate
GAB-1191A	1	C. E. Head Part Assy.
X-489	1	1/4 Oiler - Press in Type
GAE-12‡	2	Brush - Main
GAE-13‡	1	Brush - Third
8X-55	2	#8-32x3/8 Rd. Hd. Screw
X-194	6	#6 Lock Washer
8X-361	3	1/4 Plain Washer
X-537	2	#10 Lock Washer
8X-892	6	#6-32x1/2 Fill. Hd. Sc.
8X-1004	2	#10-32x3/16 Rd. Hd. Sc.
GR-32	1	Felt Washer Retainer
GR-73	1	Felt Washer
GT-76	1	Felt Washer Retainer
GY-34	1	Commutator End Cap Cover
GY-38	2	End Cap Cover Gasket
X-196	5	#10 Lock Washer
X-199	1	1/4 Lock Washer
X-295	1	BALL BEARING - S.A.E. #203
8X-312	2	#10-32x1/4 Rd. Hd. Screw
8X-870	3	#10-32x5/16 Fill. Hd. Screw 1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part 1 2 3 4 5
DG-1144	1	Oil Thrower
GAE-2045	1	ARMATURE ASSEMBLY
GK-64	1	Snap Ring
GK-174A	1	1/2 Plain Washer
X-156	1	1/2-20 Castellated Nut
X-263	1	#8 Woodruff Key
X-408	1	1/16x1 Cotter Pin

Drive End Head Assy. & Parts Used With

GAE-1053	1	Drive End Head Assembly
GAE-47	1	Bearing Retainer
GAE-53	1	Drive End Head
8X-66	3	#10-32x1/2 Flat Hd. Sc.
X-378	1	BALL BRG.- Oil Seal

Miscellaneous Parts

GAB-1024A	1	Head Band Assembly
TC-4303B	1	TWO CHARGE REGULATOR
X-196	4	#10 Lock Washer
8X-321	4	#10-32x5/16 Rd. Hd. Screw
X-714	1	#10-32x1 1/2 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut 1 2 3 4 5

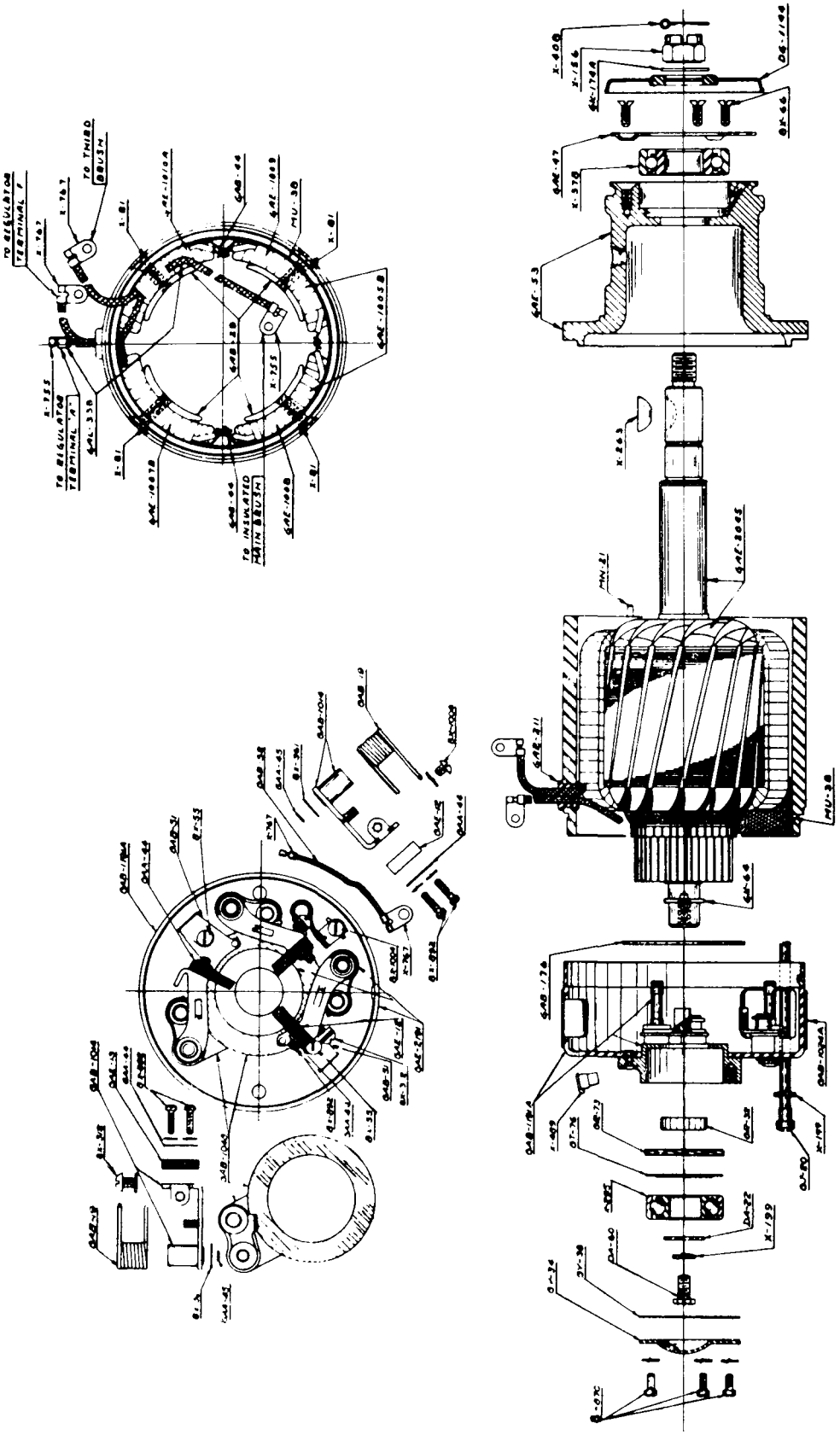
(Issued 8-21-39)

‡ Service BRUSH SET GAE-2012.

UNIT	APPLICATION
GAE-4041	Young Engine Co.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GAE-4041 GENERATOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

PRELIMINARY

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAB-1161	1	C. B. Lead Assembly
GAB-161	1	Insulating Bushing
X-590	1	Terminal
X-755	1	Terminal
(GAE-3075)	1	Frame & Field Assembly
GAB-29	4	Pole Piece
GAB-44	2	Field Connection Ins.
GAB-65	1	Insulating Bushing
GAB-66	1	Fuse Locating Plate
GAB-114	1	Insulating Washer
GAB-163	1	Insulating Washer
GAE-1005	1	FIELD COIL ASSY.- Comp.
GAE-1007	1	Field Coil Assy.-U.L.
X-976	1	Terminal
GAE-1008	1	Field Coil - L.L.
GAE-1009	1	Field Coil - L.R.
GAE-1010	1	Field Coil Assy.-U.R.
X-767	1	Terminal
MN-21	1	Dowel Pin
MU-38	1	Field Connection Ins.
OA-384A	2	Fuse Clip
X-81	8	#14-24x5/8 Flat Hd. Sc.
X-171	1	#6-32 Hex. Nut
X-194	1	#6 Lock Washer
8X-302	1	#6-32x1/4 Rd. Hd. Screw
8X-363	1	#6 Special Washer
8X-1007	1	#6-32x5/8 Rd. Hd. Screw
GJ-20	2	Frame Screw
X-199	2	1/4 Lock Washer
X-842	1	Fuse - 5 Amp.

Comm. End Head Assembly & Parts Used With

GAB-100	1	Fuse Cover
(GAE-3074)	1	Comm. End Head Assembly
GAA-44	3	Brush Screw Block
GAB-19	2	Brush Spring
GAB-78	3	Spring Thrust Washer
GAB-81	1	3rd Br. Plate Retaining Plate
GAB-82	3	3rd Br. Plate Retaining Spring
GAB-83	3	3rd Br. Plate Retaining Pin.
GAB-118	1	Brush Spring - Third
GAB-119	1	Ground Connector Assy.
X-767	2	Terminal
GAB-1014	2	Brush Holder
GAB-1074	1	C. E. Head Part Assy.
GAB-71	2	3/32x13/64 Oval Hd. Rivet
GAB-1121A	1	3rd Br. Holder Plate Part Assembly
GAB-1122	1	Brush Holder
GAE-12†	2	Brush - Main
GAE-13†	1	Brush - Third
X-194	6	#6 Lock Washer
8X-312	2	#10-32x1/4 Rd. Hd. Screw
X-401	6	1/16x3/8 Cotter Pin
		1 2 3 4 5

Comm. End Head Assembly (Con't.)

Part No.	No. Used	Name of Part
		1 2 3 4 5
X-537	2	#10 Lock Washer
8X-892	6	#6-32x1/2 Fill. Hd. Sc.
X-196	2	#10 Lock Washer
8X-312	2	#10-32x1/4 Rd. Hd. Screw
X-1470	1	BALL BEARING - S.A.E. #202

Armature Assembly & Parts Used With

GAA-21	1	Cupped Oil Guard
GAA-22	1	Cupped Oil Guard
GAA-67	1	Felt Washer
GAB-137L	1	Oil Guard - Left Hand
GAE-3180	1	ARMATURE ASSEMBLY
X-263	1	#8 Woodruff Key

Drive End Head Assembly & Parts Used With

GAB-1133R	1	Drive End Head Assembly
GAB-133	1	Drive End Head
GAE-43	1	Bearing Retainer
8X-54	3	#8-32x1/2 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
X-1253	1	BALL BRG.- S.A.E. #304
X-1275	3	#8 Skpf. Washer

Dist. Mtg. Housing Assy. & Parts Used With

GAB-96	1	Woodruff Key - Special
GAB-179	1	Dist. Housing Plate with Tachometer Mounting
GAB-1093	1	Oiler Plug
GAE-39	1	Gasket
GAE-1086	1	Dist. Mounting Housing Assy.
GAB-84	1	Steel Bearing
GAE-40	1	Absorbent Bronze Brg.
MN-21	1	Dowel Pin
GAF-57	1	Distributor Gear - Driver
MU-115	1	Lock Spring Ring
X-194	4	#6 Lock Washer
X-196	3	#10 Lock Washer
8X-309	3	#10-32x1/2 Rd. Hd. Screw
X-487	1	Oiler - Screw in Type
X-491	1	Oiler - 1/4-32 Elbow
8X-645	4	#6-32x3/8 Rd. Hd. Screw

Miscellaneous Parts

CB-4013	1	CIRCUIT BREAKER ASSEMBLY
CB-123	1	Armature Spring
CB-160S	1	C. B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	2	#10 Lock Washer
8X-313	1	#10-32x1/4 Rd. Hd. Screw
GAB-1084A	1	Head Band Assembly
X-196	2	#10 Lock Washer
8X-321	2	#10-32x5/16 Rd. Hd. Screw
X-714	1	#10-32x1 1/2 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 7-1-41)

† SERVICE BRUSH SET GAE-2012.

UNIT	APPLICATION
GAE-4044	Universal

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GAE-4045 GENERATOR PARTS LIST GAE-4045

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAB-125S	1	Bracket, Mounting
(GAE-2206)	1	Frame & Field Assy.
GAB-44	2	Insulation, Field Connection
GAE-1005B	1	Coil Assy., Field, Comp.
GAE-1007B	1	Coil Assy., Field, U.L.
X-767	1	Terminal
GAE-1008	1	Coil, Field, L.L.
GAE-1009	1	Coil, Field, L.R.
GAE-1010A	1	Coil Assy., Field, U.R.
GAL-338	1	Lead Assy.
X-755	2	Terminal
X-767	1	Terminal
GAR-211	1	Bushing, Insulating
MN-21	1	Pin, Dowel
MU-38	1	Insulation, Field Connection
X-81	8	Screw, Pole Shoe
GJ-20	2	Bolt, Thru
X-113	2	Screw, Mounting Bracket
X-199	2	Washer, Lock, Thru Bolt, 1/4
X-1014	2	Washer, Lock, Mtg. Bracket Screw, 5/16

Comm. End Head Assembly & Parts Used With

DA-22	1	Washer, Plain, Brg. Retaining, Comm. End
DA-60	1	Screw, Retaining, C.E. Brg., Hex. hd., 1/4-28x5/8
GAB-188	1	Washer, Felt
(GAE-2191)	1	Comm. End Head Assy.
GAA-44	3	Block, Brush Screw
GAA-45	3	Ring, Lock Spring
GAB-19	3	Spring, Brush
GAB-51	2	Spring, 3rd Brush Plate Retaining
GAB-52	1	Connector Assy., Ground
X-767	2	Terminal
GAB-176	1	Spacing Ring
GAB-1014	3	Holder, Brush
GAB-1048	1	Plate, 3rd Brush Holder
GAB-1191A	1	Head Assy., Partial, Comm. End
X-489	1	Oiler, Hinge Top, Press in, 1/4
GAE-12‡	2	Brush, Main
GAE-13‡	1	Brush, Third
8X-55	2	Screw, Rd. hd., #8-32x3/8
X-194	6	Washer, Lock, #6
8X-361	3	Washer, Plain, 1/4
X-537	2	Washer, Lock, #10
8X-892	6	Screw, Fil. hd., #6-32x1/2
8X-1004	2	Screw, Rd. hd., #10-32x3/16
GR-32	1	Retainer, Felt Washer
GT-76	1	Retainer, Felt Washer
GY-34	1	Cover, Comm. End
GY-38	2	Gasket, C.E. Cover
X-196	5	Washer, Lock, #10
		1 2 3 4 5

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
X-295	1	Bearing, Ball, S.A.E. #203
8X-312	2	Screw, Attaching, Brush Lead, Rd. hd., #10-32x1/4
8X-870	3	Screw, Cover Holding, Fil. hd., #10-32x5/16

Armature Assembly & Parts Used With

GAB-129	1	Spacer, Armature Shaft
GAB-130	1	Ring, Spring, Lock
GAE-2190	1	Armature Assy.
GK-64	1	Snap Ring
X-160	1	Nut, Armature Shaft, Hex., 7/16-20
X-205	1	Washer, Lock, Armature Shaft, 7/16
X-261	1	Key, Woodruff, #6

Drive End Head Assembly & Parts Used With

GAB-1124A	1	Head Assy., Drive End
GAB-124	1	Head
GAB-126	1	Retainer, Bearing
GAB-127	1	Retainer, Felt Washer
GAB-128	1	Washer, Felt
X-196	4	Washer, Lock, Retainer Sc., #10
8X-311	4	Screw, Retainer, Rd. hd., #10-32x3/8
X-378	1	Bearing, Ball, Oil Seal
X-489	1	Oiler, Press in, 1/4

Miscellaneous Parts

GAB-1024A	1	Band, Cover
X-196	4	Washer, Lock, Regulator Mtg., #10
8X-321	4	Screw, Mtg., Regulator, Rd. hd., #10-32x5/16
8X-714	1	Screw, Rd. hd., #10-32x1 1/2
8X-794	1	Nut, Square, #10-32
		1 2 3 4 5

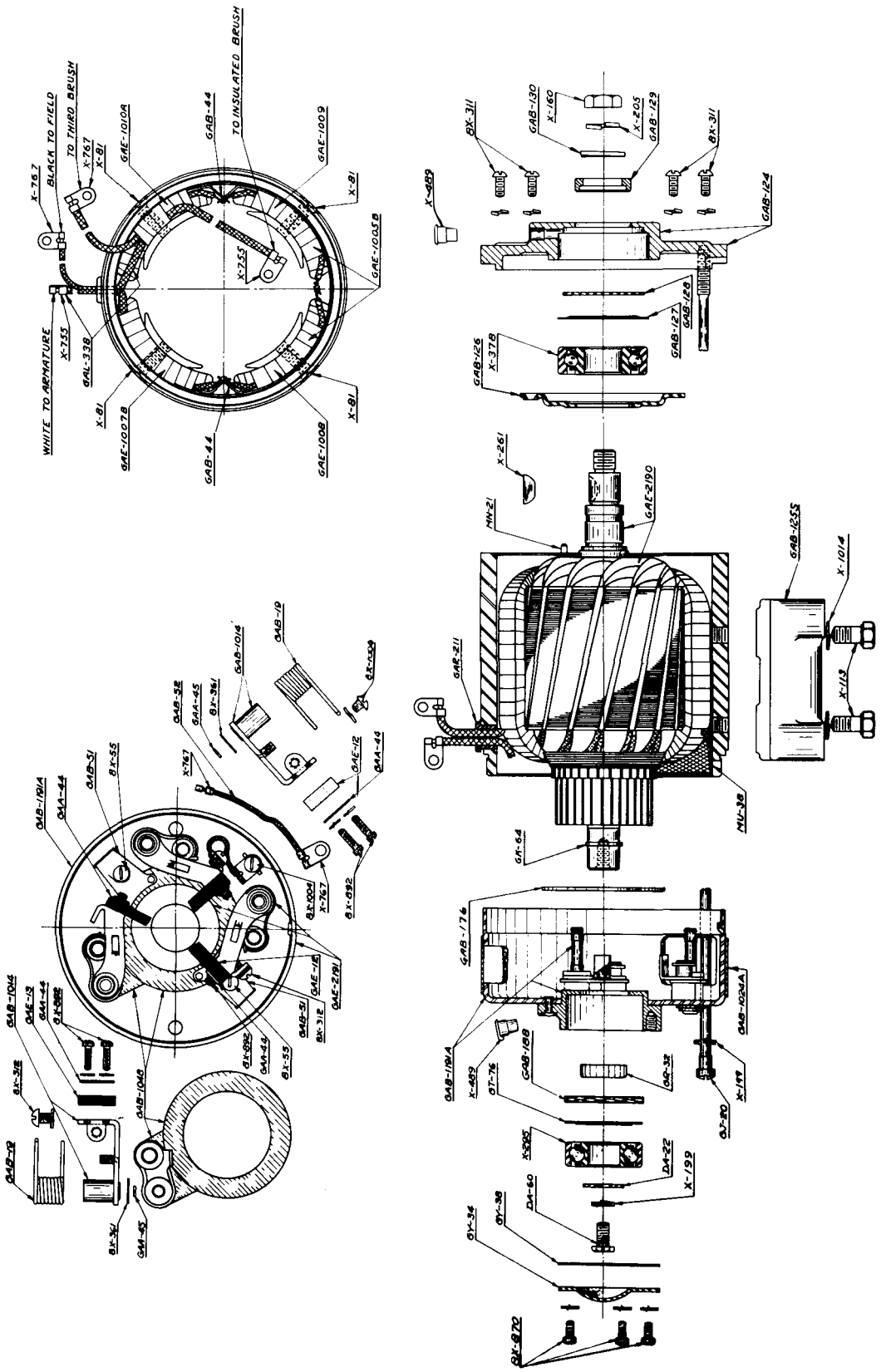
(Issued 3-9-44)

‡ Brush Set, Service, GAE-2012.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GAE-4045 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAB-1161	1	C.B. Lead Assy.
GAB-161	1	Ins. Bushing
X-590	1	Terminal
X-755	1	Terminal
GAF-54	1	Mounting Bracket
(GAF-2001)	1	Frame & Field Assembly
GAA-29	4	Pole Piece
GAA-113	1	Field Connection Ins.
GAB-114	1	Insulating Washer
GAB-163	1	Insulating Washer
GAF-86	1	Insulating Bushing
GAF-1005	1	Field Coil Assy. - Comp.
GAF-1007	1	Field Coil Assy. - U.L.
X-959	1	Terminal
GAF-1008	1	Field Coil - L.L.
GAF-1009	1	Field Coil - L.R.
GAF-1010	1	Field Coil Assy. - U.R.
X-767	1	Terminal
OA-384A	2	Fuse Clip
X-80	8	#14-24x5/8 Ctsk. Hd. Sc.- Pole Piece
X-171	1	#6-32 Hex. Nut
X-194	1	#6 Lock Washer
8X-302	1	#6-32x1/4 Rd. Hd. Screw
8X-363	1	#6 Special Washer
8X-1007	1	#6-32x5/8 Rd. Hd. Screw
X-113	2	5/16-24x5/8 Hex. Hd. Cap Sc.
X-842	1	Fuse - 5 Ampere
X-1014	2	5/16 Lock Washer

Comm. End Head Assembly & Parts Used With

GAA-63	1	Plain Steel Washer - Inner
GAA-64	2	Spring Thrust Washer
GAA-65	1	Plain Steel Washer - Outer
GAA-66	1	Felt Washer
GAB-100	1	Fuse Cover
GAF-83	3	#10-32x3/8 Ctsk. Hd. Screw
GAF-90	1	#10-32x1/2 Ctsk. Hd. Screw
(GAF-2002)	1	Comm. End Head Assy.
GAB-71	2	3/32x13/64 Oval Hd. Rivet
GAF-1002	1	C.E. Head Part Assy.
GAF-1041	1	Brush Holder Plate Assy.
GAF-12‡	2	Brush - Main
GAF-13‡	1	Brush - 3rd
GAF-44	1	Brush Holder - 3rd
GAF-45	1	3rd Brush Holder Screw
GAF-1041A	1	Br. Holder Plate Part Assembly
MU-19	3	Brush Spring
8X-55	3	#8-32x3/8 Rd. Hd. Sc.
8X-173	1	#10-32 Hex. Nut
X-195	3	#8 Lock Washer
X-196	1	#10 Lock Washer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
8X-321	3	#10-32x5/16 Rd. Hd. Screw
X-794	1	#10-32 Square Nut
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAA-21	1	Cupped Oil Guard
GAA-22	1	Cupped Oil Guard
GAA-67	1	Felt Washer
GAA-69	1	Lock Spring Ring
GAF-82	1	Armature Shaft Spacer
GAF-2081	1	Armature Assembly
X-166	1	7/16-14 Hex. Nut
X-205	1	7/16 Lock Washer
X-261	1	#6 Woodruff Key
X-442	1	Ball Bearing - S.A.E. #15

Drive End Head Assembly & Parts Used With

GAA-7	2	Drive End Spoke
GAA-70	2	Spoke Nipple
GAA-1004	1	Drive End Head Assy.
GAA-4	1	Drive End Head
GAA-14	1	Drive End Packing Retainer
GAA-15	1	Bearing Retainer
GAA-16	1	Felt Washer
GAA-17	1	Cupped Oil Guard
X-196	4	#10 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
8X-311	4	#10-32x3/8 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type

Dist. Mounting Housing & Parts Used With

GAB-96	1	Woodruff Key - Special
GAB-111	1	Grease Plug
GAF-56	1	Dist. Lock Sc. - #14-24
GAF-57	1	Dist. Gear - Driver
GAF-58	1	Dist. Mtg. Housing
GAF-1055	1	Oiler
X-196	4	#10 Lock Washer
8X-664	4	#10-32x9/16 Rd. Hd. Screw
X-833	1	7/16-20 Hex. Nut
X-1015	1	1/4 Lock Washer

Miscellaneous Parts

CB-4012	1	Circuit Breaker Assy.
CB-123	1	Armature Spring
CB-160	1	C.B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Screw
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Screw
GAA-1024A	1	Head Band Assy.
8X-141	1	#8-32 Hex. Nut
X-196	2	#10 Lock Washer
8X-312	2	#10-32x1/4 Rd. Hd. Screw
8X-1010A	1	#8-32x1 1/4 Rd. Hd. Screw - Hardened
		1 2 3 4 5

(Issued 1-11-27)
(R-5-18-37)

‡ Service Brush Set GAF-2012S.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GAG-2044)	1	Frame & Field Assembly
GAG-1005A	1	FIELD COIL ASSY.- Comp.
GAG-1007A	1	Field Coil Assy.-U.R.
GAG-21	1	C. B. Lead Assy.
X-755	1	Terminal
X-767	1	Terminal
GAG-1008	1	Field Coil - L.L.
GAG-1009	1	Field Coil - L.R.
GAG-1010	1	Field Coil Assy.-U.L.
DA-66	1	Terminal
GK-108	1	Field Connection Ins.
GT-7	1	Insulating Tube
MZ-38A	4	Pole Piece Screw
SA-13	4	Pole Piece
X-755	1	Terminal

Comm. End Plate Assembly & Parts Used With

DA-39	2	Flat Oil Guard
DA-70	1	Armature Shaft Nut
DH-7	1	Felt Washer
DJ-9	1	Felt Washer
GAC-1012†	2	Brush - Main
GAC-1013†	1	Brush - Third
(GAG-2002B)	1	Comm. End Plate Assembly
DJ-1016	1	Br. Holder Plate Assy.
DJ-18	2	Brush Holder
DJ-19	2	Brush Spring
DJ-1016A	1	Brush Holder Plate Part Assembly
8X-56	1	#8-32x7/16 Rd. Hd. Sc.
X-195	2	#8 Lock Washer
8X-304	1	#8-32x5/16 Rd. Hd. Sc.
DK-41	2	Br. Holder Plate Screw
DK-42	2	Spring
GAG-2B	1	Comm. End Plate
GAG-1017	1	Third Br. Holder Plate Assembly
DJ-18	1	Brush Holder
DJ-19A	1	Brush Spring
GAG-1017A	1	3rd Br. Holder Plate Part Assembly
8X-54	1	#8-32x1/2 Rd. Hd. Sc.
X-195	1	#8 Lock Washer
GX-3	1	Felt Guard
8X-59	1	#8-32x3/16 Rd. Hd. Screw
X-195	1	#8 Lock Washer
X-196	3	#10 Lock Washer
X-295	1	BALL BEARING - S.A.E. #203
8X-312	3	#10-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
X-544	4	#10 Lock Washer
X-842	1	Fuse - 5 Amp.

Armature Assembly & Parts Used With

GAG-2083	1	ARMATURE ASSEMBLY
GK-115	1	Oil Thrower - D. E.
X-157	1	1/2-20 Slotted Nut
X-260	1	#5 Woodruff Key
X-263	1	#8 Woodruff Key
X-358	1	1/2 Plain Steel Washer
X-404	1	3/32x1 Cotter Pin
		1 2 3 4 5

Drive End Head Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAG-1045	1	Drive End Head Assembly
GJ-52	1	BRONZE BEARING
GK-100	1	Pin
GAJ-90	4	Oil Seal
X-544	4	#10 Lock Washer

Dist. Mtg. Housing & Parts Used With

GAG-58	1	Dist. Mounting Housing Clamp
GAG-101B	1	Dist. Mounting Housing
GE-25	1	Dist. Gear - Driver
GG-133	1	Distributor Drive Rivet
GJ-170	1	Felt Washer
GJ-171	1	Felt Washer Retainer
8X-53	1	#8-32x5/8 Rd. Hd. Screw
8X-119	3	#10-32x1/2 Fill. Hd. Screw
X-380	1	1/8 Grease Cup
X-489	1	1/4 Oiler - Press in Type
8X-1410	1	#8-32 Square Nut

Miscellaneous Parts

CB-4012	1	CIRCUIT BREAKER ASSEMBLY
CB-123	1	Armature Spring
CB-160S	1	C. B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Screw
GY-1024	1	Head Band Assembly
X-196	2	#10 Lock Washer
8X-321	2	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 7-1-41)

† SERVICE BRUSH SET GAC-2012.

UNIT	APPLICATION
GAG-4127	Waukesha, Red Wing

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GAG-2137)	1	Frame & Field Assy.
GAG-1005A	1	Coil Assy., Field, Comp.
GAG-1007A	1	Coil Assy., Field, U.R.
GAG-21	1	Lead Assy.
X-755	1	Terminal
X-767	1	Terminal
GAG-1008	1	Coil, Field, L.L.
GAG-1009	1	Coil, Field, L.R.
GAG-1010	1	Coil Assy., Field, U.L.
X-767	1	Terminal
GK-108	1	Insulation, Field Connection
GT-7	1	Bushing, Insulating
MZ-38A	4	Screw, Pole Shoe
X-755	1	Terminal

Comm. End Head Assembly & Parts Used With

DA-39	1	Washer, Plain
DJ-9	1	Washer, Felt
DJ-10	1	Gasket, End Cap Cover
GAC-1012‡	2	Brush, Main
GAC-1013‡	1	Brush, Third
GAG-34	1	Nut, Armature Shaft, .669-20
GAG-36	1	Washer, Felt
GAG-53	1	Cover, Comm. End
(GAG-2002A)	1	Head Assy., Comm. End
DJ-1016	1	Plate Assy., Brush
DJ-18	2	Holder, Brush
DJ-19	2	Spring, Brush
DJ-1016A	1	Plate, Brush
8X-56	1	Screw, Rd. hd., #8-32x7/16
X-195	2	Washer, Lock, #8
8X-304	1	Screw, Rd. hd., #8-32x5/16
DK-41	2	Screw, Attaching, Brush Plate
DK-42	2	Spring, Plate Screw
GAG-2A	1	Head
GAG-1017	1	Plate Assy., 3rd Brush
DJ-18	1	Holder, Brush
DJ-19A	1	Spring, Brush
GAG-1017A	1	Plate, 3rd Brush
8X-54	1	Screw, Holder Attaching, Rd. hd., #8-32x1/2
X-195	1	Washer, Lock, Holder Screw, #8
GX-3	1	Retainer, Felt Washer
8X-59	1	Screw, Lead Connection, Rd. hd., #8-32x3/16
8X-119	4	Screw, Attaching, Comm. End Head, Fil. hd., #10-32x1/2
X-195	1	Washer, Lock, Lead Sc., #8
X-196	3	Washer, Lock, Brush Lead, #10
X-295	1	Bearing, Ball, S.A.E. #203
8X-312	3	Screw, Attaching, Brush Lead, Rd. hd., #10-32x1/4
		1 2 3 4 5

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
X-489	1	Oiler, Hinge Top, Press in, 1/4
X-544	7	Washer, Lock, C.E. Head Sc., #10
X-842	1	Fuse, 5 Amps.
8X-870	3	Screw, Cover Holding, Fil. hd., #10-32x5/16

Armature Assembly & Parts Used With

GAG-2136	1	Armature
GJ-104	1	Spacer, Arm. Shaft
GJ-179	1	Washer, Plain, Armature Shaft
X-160	1	Nut, Armature Shaft, Hex., 7/16-20
X-205	1	Washer, Lock, Arm. Shaft, 7/16
X-261	2	Key, Woodruff, #6

Drive End Head Assembly & Parts Used With

GAG-1052	1	Head Assy., Drive End
GAG-52	1	Head
GG-6	2	Retainer, Bearing
GG-164	1	Washer, Felt
GK-176	1	Retainer, Felt Washer
8X-173	3	Nut, Retainer Screw, Hex., #10-32
X-196	3	Washer, Lock, Retainer Sc., #10
X-295	1	Bearing, Ball, S.A.E. #203
8X-316	3	Screw, Retainer, Rd. hd., #10-32x3/4
X-489	1	Oiler, Hinge Top, Press in, 1/4
8X-119	4	Screw, Attaching, Drive End Head, Fil. hd., #10-32x1/2
X-544	4	Washer, Lock, D.E. Head Sc., #10

Miscellaneous Parts

CB-4012	1	Relay Assy., Cutout
CB-123	1	Spring, Armature
CB-160S	1	Cover
PX-55	1	Screw, Arm. Term., Bdg. hd., #10-32x3/16
X-196	2	Washer, Lock, Term. Sc., #10
8X-312	1	Screw, Bat. Term., Rd. hd., #10-32x1/4
GCS-1024	1	Band, Cover
X-196	2	Washer, Lock, Cutout Relay Mtg., #10
8X-308	1	Screw, Cover Band, Rd. hd., #10-32x1 3/8
8X-321	2	Screw, Mtg., Cutout Relay, Rd. hd., #10-32x5/16
8X-794	1	Nut, Cover Band, Square, #10-32
		1 2 3 4 5

(Issued 3-9-44)

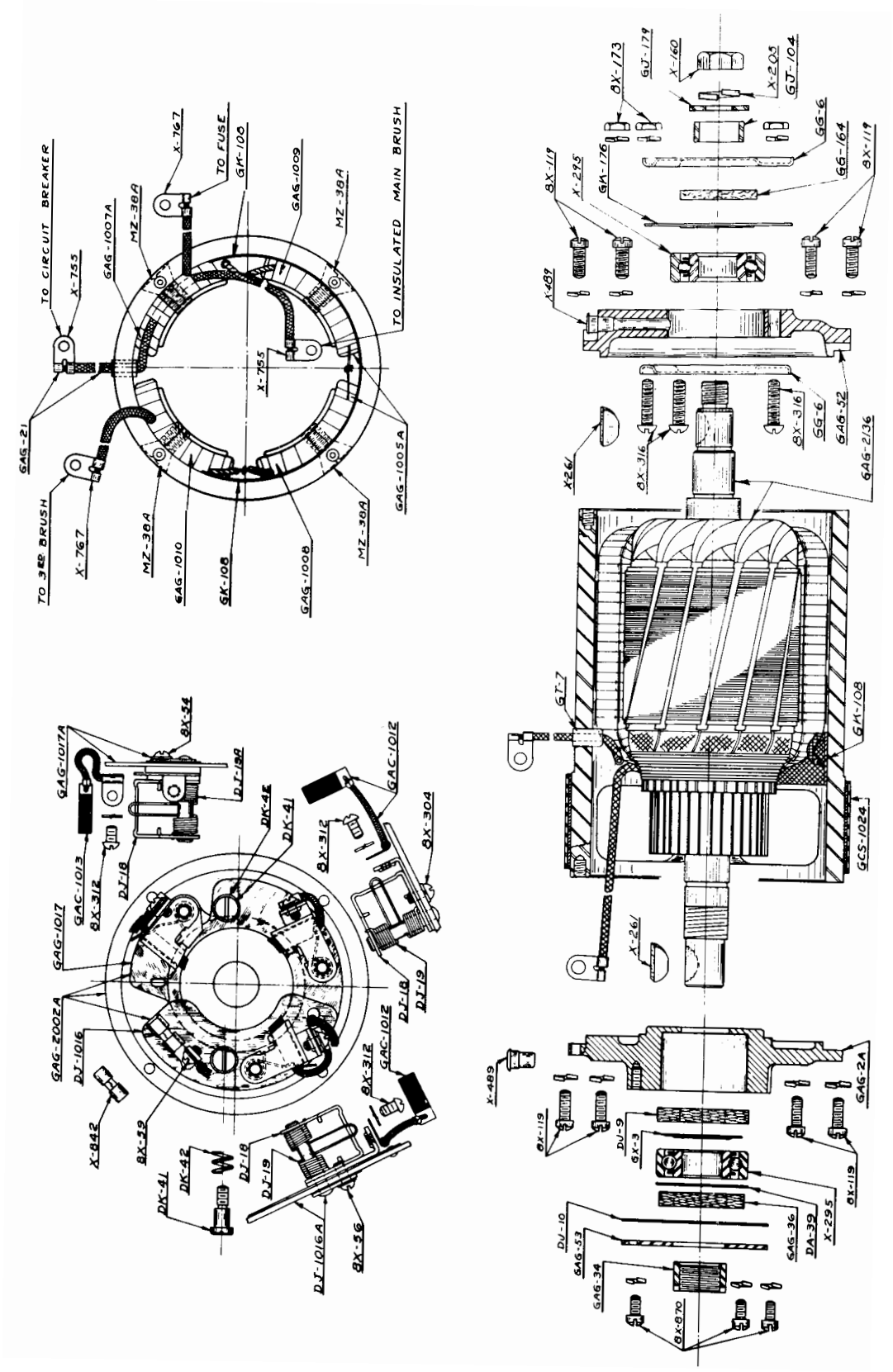
‡ Brush Set, Service, GAC-2012.

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File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GAG-4133 GENERATOR ILLUSTRATION



GAG-4145 GENERATOR PARTS LIST GAG-4145

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GAG-2158)	1	Frame & Field Assy.
GAG-1005G	1	Coil Assy., Field, Comp.
GAG-1007H	1	Coil Assy., Field, U.R.
GAL-349	1	Lead Assy.
X-755	2	Terminal
X-755	1	Terminal
GAG-1008	1	Coil, Field, L.L.
GAG-1009	1	Coil, Field, L.R.
GAG-1010	1	Coil Assy., Field, U.L.
X-767	1	Terminal
GAP-211	1	Bushing, Insulating
GK-108	1	Insulation, Field Connection
MZ-38A	4	Screw, Pole Shoe

Comm. End Head Assembly & Parts Used With

DA-39	1	Washer, Plain
DJ-9	1	Washer, Felt
DJ-10	1	Gasket, End Cap Cover
GAC-1012‡	2	Brush, Main
GAC-1013‡	1	Brush, Third
GAG-34	1	Nut, Armature Shaft, .669-20
GAG-36	1	Washer. Felt
GAG-53	1	Cover, Comm. End
(GAG-2002C)	1	Head Assy., Comm. End
DJ-1016B	1	Plate Assy., Brush Holder
DJ-18	2	Holder, Brush
DJ-19	2	Spring, Brush
DJ-1016BS	1	Plate, Brush
2X-56	1	Screw, Rd. hd., #8-32x7/16
X-195	2	Washer, Lock, #8
2X-304	1	Screw, Rd. hd., #8-32x5/16
DK-41	2	Screw, Attaching, Brush Plate
DK-42	2	Spring, Plate Screw
GAG-2A	1	Head
GAG-1017	1	Plate Assy., 3rd Brush
DJ-18	1	Holder, Brush
DJ-19A	1	Spring, Brush
GAG-1017A	1	Plate, 3rd Brush
8X-54	1	Screw, Holder Attaching, Rd. hd., #8-32x1/2
X-195	1	Washer, Lock, Holder Screw, #8
GX-3	1	Retainer, Felt Washer
8X-119	4	Screw, Attaching, Comm. End Head, Fil. hd., #10-32x1/2
X-196	3	Washer, Lock, Brush Lead, #10
X-295	1	Bearing, Ball, S.A.E. #203
8X-312	3	Screw. Attaching, Brush Lead, Rd. hd., #10-32x1/4
X-489	1	Oiler, Hinge Top, Press in, 1/4
X-544	7	Washer, Lock, #10
8X-870	3	Screw, Fil. hd., #10-32x5/16
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAG-2136	1	Armature
GJ-104	1	Spacer, Arm. Shaft
GJ-179	1	Washer, Plain, Armature Shaft
X-160	1	Nut, Armature Shaft, Hex., 7/16-20
X-205	1	Washer, Lock, Arm. Shaft, 7/16
X-261	2	Key, Woodruff, #6

Drive End Head Assembly & Parts Used With

GAG-1052	1	Head Assy., Drive End
GAG-52	1	Head
GG-6	2	Retainer, Bearing
GG-164	1	Washer, Felt
GK-176	1	Retainer, Felt Washer
8X-173	3	Nut, Retainer Screw, Hex., #10-32
X-196	3	Washer, Lock, Retainer Sc., #10
X-295	1	Bearing, Ball, S.A.E. #203
8X-316	3	Screw, Retainer, Rd. hd., #10-32x3/4
X-489	1	Oiler, Hinge Top, Press in, 1/4
8X-119	4	Washer, Lock, Term. Stud, 1/4
X-544	4	Washer, Lock, D.E. Head Sc., #10

Miscellaneous Parts

GCS-1024	1	Band, Cover
*	1	Regulator
X-196	4	Washer, Lock, Regulator Mtg., #10
8X-321	4	Screw, Mtg., Regulator, Rd. hd., #10-32x5/16
X-715	1	Screw, Cover Band, Rd. hd., #10-32x1 1/4
8X-794	1	Nut, Cover Band, Square, #10-32
		1 2 3 4 5

(Issued 3-9-44)

Assembly No.	Regulator
GAG-4145	TC-4305A
GAG-4145-2	TC-4305B

‡ Brush Set, Service, GAC-2012.

* See table following parts list for part number applying to assembly wanted.

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

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GAG-4145 GENERATOR ILLUSTRATION

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GAG-2161)	1	Frame & Field Assy.
GAG-1005E	1	Field Coil Assy. - Comp.
GAG-1007F	1	Field Coil Assy.-U.R.
GAG-146	1	C.B. Lead Assy.
X-755	1	Terminal
X-767	1	Terminal
GAG-1008	1	Field Coil - L.L.
GAG-1009	1	Field Coil - L.R.
GAG-1010	1	Field Coil Assy.-U.L.
DA-66	1	Terminal
GAL-148	1	Aligning Dowel
GK-108	1	Field Connection Ins.
GT-7	1	Ins. Bushing
MZ-38	4	Pole Piece Screw
SA-13	4	Pole Piece
X-755	1	Terminal

Comm. End Plate Assembly & Parts Used With

DA-39	1	Flat Oil Guard
DJ-9	1	Felt Washer
DJ-10	1	End Cap Cover Gasket
GAC-1012	2	Brush - Main
GAC-1013	1	Brush - Third
GAG-34	1	Armature Shaft Nut
GAG-36	1	Felt Washer
GAG-53	1	Comm. End Cap Cover
(GAG-2002B)	1	Comm. End Plate Assy.
DJ-1016	1	Brush Holder Plate Assy.
DJ-18	2	Brush Holder
DJ-19	2	Brush Spring
DJ-1016A	1	Brush Holder Plate Part Assy.
8X-56	1	#8-32x7/16 Rd. Hd. Sc.
X-195	2	#8 Lock Washer
8X-304	1	#8-32x5/16 Rd. Hd. Sc.
DK-41	2	Brush Holder Plate Screw
DK-42	2	Spring
GAG-2B	1	Comm. End Plate
GAG-1017	1	3rd Brush Holder Plate Assy.
DJ-18	1	Brush Holder
DJ-19	1	Brush Spring
GAG-1017A	1	3rd Brush Holder Plate Part Assy.
8X-54	1	#8-32x1/2 Rd. Hd. Sc.
X-195	1	#8 Lock Washer
GX-3	1	Felt Guard
8X-59	1	#8-32x3/16 Rd. Hd. Screw
8X-119	4	#10-32x1/2 Fill. Hd. Screw
X-195	1	#8 Lock Washer
X-196	3	#10 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
8X-312	3	#10-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
X-544	7	#10 Lock Washer
X-842	1	Fuse - 5 Amp.
8X-870	3	#10-32x5/16 Fill. Hd. Sc.
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAG-2160	1	Armature Assembly
GJ-104	1	Armature Shaft Spacer
X-264B	1	#9 Special Woodruff Key

Drive End Head Assembly & Parts Used With

GAG-1052A	1	Drive End Head Assy.
GAG-52	1	Drive End Head
GG-6	2	Felt Guard-with Oil Well
GG-164	1	Felt Washer
GK-176	1	Felt Washer Retainer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
8X-316	3	#10-32x3/4 Rd. Hd. Sc.
X-489	1	1/4 Oiler - Press in Type
8X-119	4	#10-32x1/2 Fill. Hd. Screw
X-544	4	#10 Lock Washer

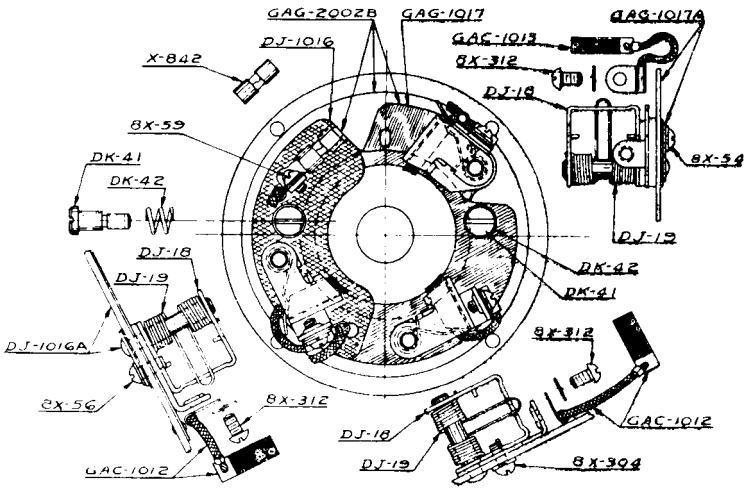
Miscellaneous Parts

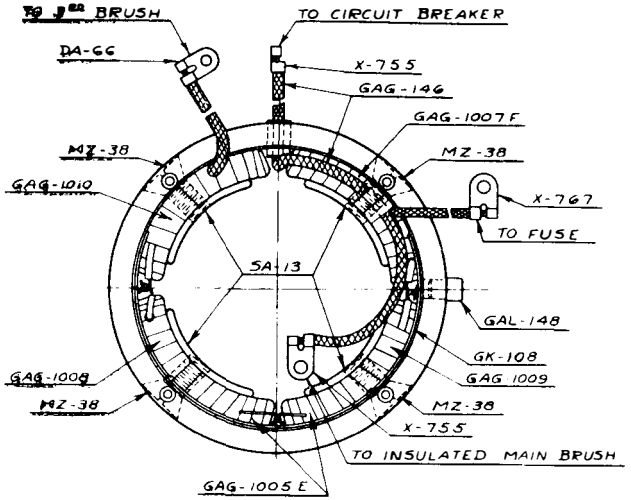
CB-4021	1	Circuit Breaker Assy.
CB-123	1	Armature Spring
CB-160	1	C.B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	3	#10 Lock Washer
8X-312	2	#10-32x1/4 Rd. Hd. Sc.
GAJ-1024	1	Head Band Assy.
X-196	2	#10 Lock Washer
8X-321	2	#10-32x5/16 Rd. Hd. Sc.
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

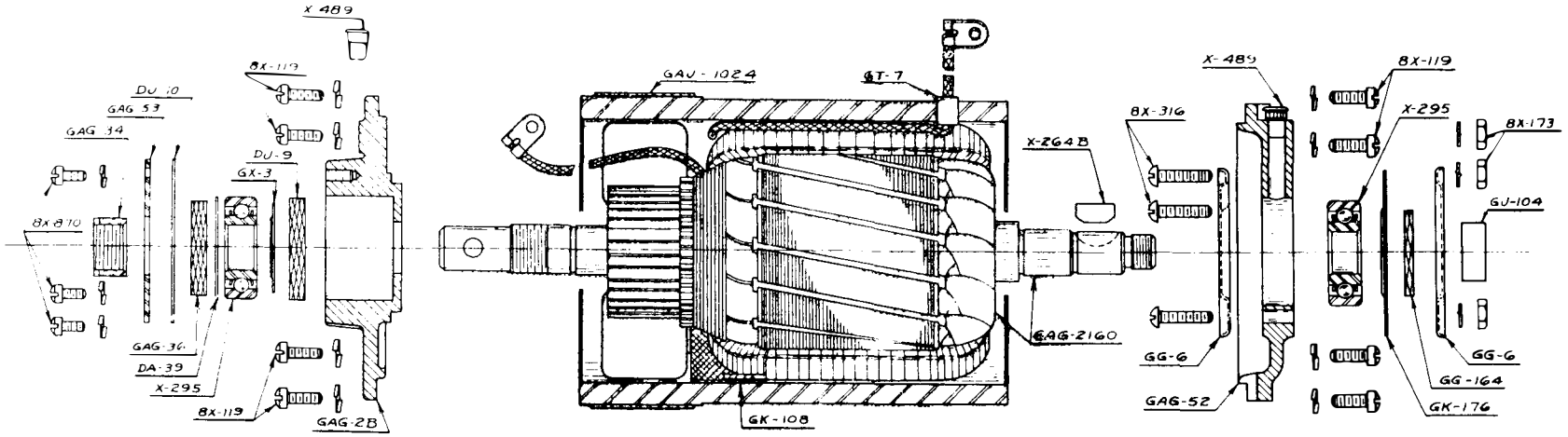
(Issued 12-5-35)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GAG-4147 GENERATOR ILLUSTRATION







Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GAG-2044)	1	Frame & Field Assy.
GAG-1005A	1	Field Coil Assy. - Comp.
GAG-1007A	1	Field Coil Assy. - U.R.
GAG-21	1	C.B. Lead Assy.
X-755	1	Terminal
X-767	1	Terminal
GAG-1008	1	Field Coil - L.L.
GAG-1009	1	Field Coil - L.R.
GAG-1010	1	Field Coil Assy. - U.L.
DA-66	1	Terminal
GK-108	1	Field Connection Ins.
GT-7	1	Insulating Tube
MZ-38	4	Pole Piece Screw
SA-13	4	Pole Piece
X-755	1	Terminal

Comm. End Plate Assembly & Parts Used With

DA-39	2	Flat Oil Guard
DA-70	1	Armature Shaft Nut
DH-7	1	Felt Washer
DJ-9	1	Felt Washer
GAC-1012	2	Brush - Main
GAC-1013	1	Brush - Third
(GAG-2002A)	1	Comm. End Plate Assy.
DJ-1016	1	Brush Holder Plate Assy.
DJ-18	2	Brush Holder
DJ-19	2	Brush Spring
DJ-1016A	1	Brush Holder Plate Part Assy.
8X-56	1	#8-32x7/16 Rd. Hd. Sc.
X-195	2	#8 Lock Washer
8X-304	1	#8-32x5/16 Rd. Hd. Sc.
DK-41	2	Brush Holder Plate Screw
DK-42	2	Spring
GAG-2A	1	Comm. End Plate
GAG-1017	1	3rd Brush Holder Plate Assembly
DJ-18	1	Brush Holder
DJ-19	1	Brush Spring
GAG-1017A	1	3rd Brush Holder Plate Part Assy.
8X-54	1	#8-32x1/2 Rd. Hd. Sc.
X-195	1	#8 Lock Washer
GX-3	1	Felt Guard
8X-59	1	#8-32x3/16 Rd. Hd. Screw
8X-119	7	#10-32x1/2 Fill. Hd. Screw
X-195	1	#8 Lock Washer
X-196	3	#10 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
8X-312	3	#10-32x1/4 Rd. Hd. Sc.
X-489	1	1/4 Oiler - Press in Type
X-544	7	#10 Lock Washer
X-842	1	Fuse - 5 Ampere
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAG-1166	1	Oil Thrower
GAG-2164	1	Armature Assembly
X-261	1	#6 Woodruff Key

Drive End Head Assembly & Parts Used With

GAG-1165	1	Drive End Head Assy.
GAG-165	1	Drive End Head
GAR-95	1	Felt Washer
GX-9	1	Drive End Packing Retainer
GX-10	1	Gasket
X-196	3	#10 Lock Washer
8X-311	3	#10-32x3/8 Rd. Hd. Sc.
X-378	1	Ball Brg. - S.A.E. #204
		Oil Seal

Dist. Mounting Housing & Parts Used With

GAG-58	1	Dist. Mounting Housing Clamp
GAG-59	1	Dist. Mounting Housing
IG-86	1	Dist. Drive Rivet
IG-591	1	Dist. Gear - Driver
8X-53	1	#8-32x5/8 Rd. Hd. Screw
8X-119	4	#10-32x1/2 Fill. Hd. Sc.
8X-141	1	#8-32 Hex. Nut
X-380	1	1/8 Grease Cup
X-489	1	1/4 Oiler - Press in Type
X-544	4	#10 Lock Washer

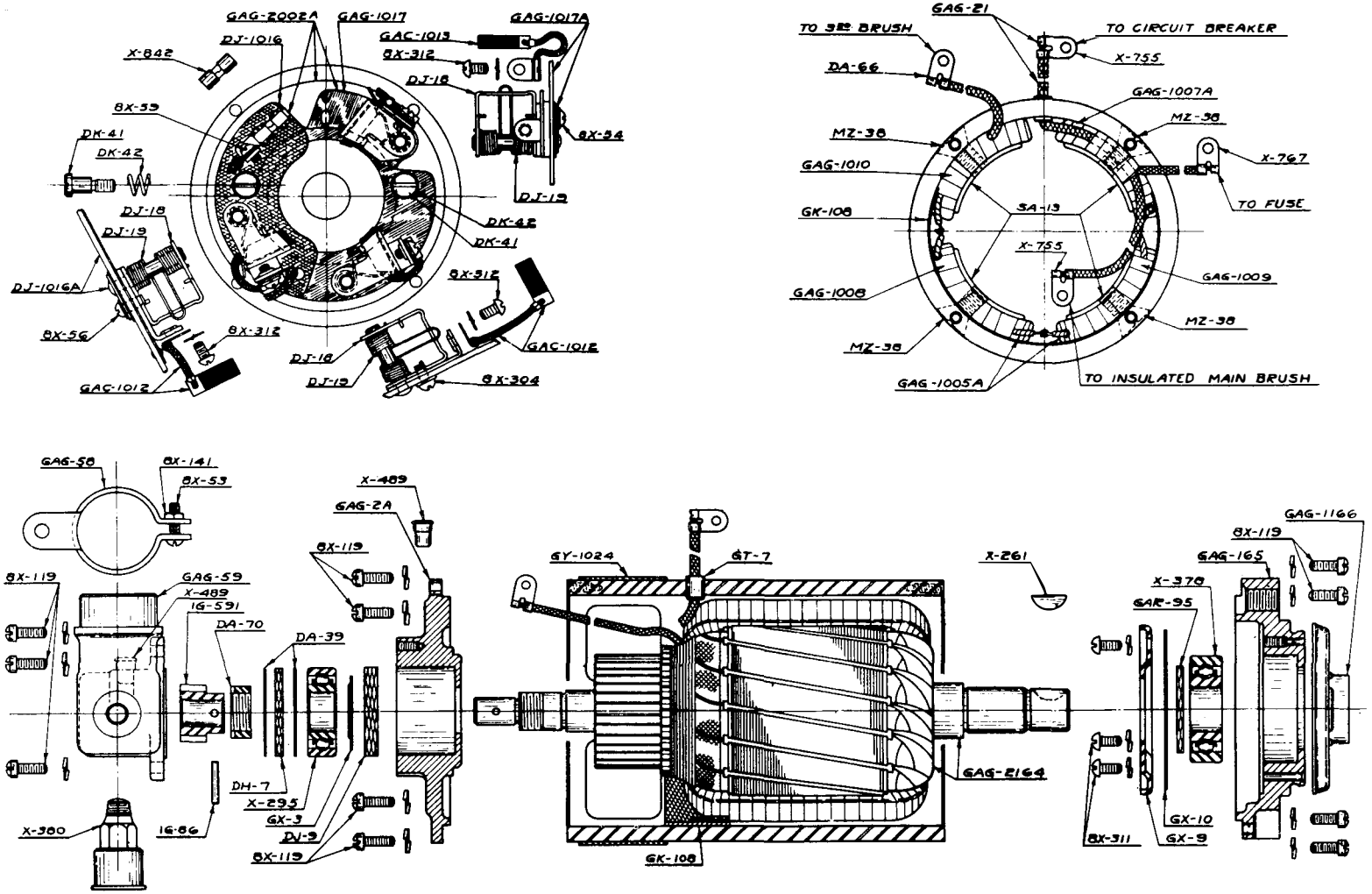
Miscellaneous Parts

CB-4012	1	Circuit Breaker Assy.
CB-123	1	Armature Spring
CB-160	1	C.B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Sc.
GY-1024	1	Head Band Assy.
X-196	2	#10 Lock Washer
8X-321	2	#10-32x5/16 Rd. Hd. Sc.
X-715	1	#10-32x1 1/4 Rd. Hd. Sc.
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 2-27-36)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assemble as needed."

GAG-4148 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GAG-2044)	1	Frame & Field Assy.
GAG-1005A	1	Coil Assy., Field, Comp.
GAG-1007A	1	Coil Assy., Field, U.R.
GAG-21	1	Lead Assy.
X-755	1	Terminal
X-767	1	Terminal
GAG-1008	1	Coil, Field, L.L.
GAG-1009	1	Coil, Field, L.R.
GAG-1010	1	Coil Assy., Field, U.L.
X-767	1	Terminal
GK-108	1	Insulation, Field Connection
GT-7	1	Bushing, Insulating
MZ-38A	4	Screw, Pole Shoe
X-755	1	Terminal

Comm. End Head Assembly & Parts Used With

DA-22	1	Washer, Plain, Brg. Retaining, Comm. End
DA-60	1	Screw, Retaining, C.E. Brg. Hex. hd , 1/4-28x5/8
DJ-4	1	Cover, Comm. End Cap
DJ-9	1	Washer, Felt
DJ-10	1	Gasket, End Cap Cover
GAC-1012‡	2	Brush, Main
GAC-1013‡	1	Brush, Third
(GAG-2002A)	1	Head Assy., Comm. End
DJ-1016	1	Plate Assy., Brush
DJ-18	2	Holder, Brush
DJ-19	2	Spring, Brush
DJ-1016A	1	Plate, Brush
8X-56	1	Screw, Rd. hd., #8-32x7/16
X-195	2	Washer, Lock, #8
8X-304	1	Screw, Rd. hd., #8-32x5/16
DK-41	2	Screw, Attaching, Brush Plate
DK-42	2	Spring, Plate Screw
GAG-2A	1	Head
GAG-1017	1	Plate Assy., 3rd Brush
DJ-18	1	Holder, Brush
DJ-19A	1	Spring, Brush
GAG-1017A	1	Plate, 3rd Brush
8X-54	1	Screw, Holder Attaching, Rd hd., #8-32x1/2
X-195	1	Washer, Lock, Holder Screw, #8
GAJ-79	1	Spacer, Bearing
GX-3	1	Retainer, Felt Washer
8X-59	1	Screw, Rd hd., #8-32x3/16
8X-119	4	Screw, Attaching, Comm. End Head, Fil. hd , #10-32x1/2
X-195	1	Washer, Lock, #8
X-196	3	Washer, Lock, Brush Lead, #10
X-199	1	Washer, Lock, Brg. Retaining Screw, 1/4
		1 2 3 4 5

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
X-295	1	Bearing, Ball, S.A.E. #203
8X-312	3	Screw, Attaching, Brush Lead, Rd. hd., #10-32x1/4
X-489	1	Oiler, Hinge Top, Press in, 1/4
X-544	7	Washer, Lock, #10
X-842	1	Fuse, 5 Amps.
8X-870	3	Screw, Condenser Mtg., Fil. hd., #10-32x5/16

Armature Assembly & Parts Used With

GAG-2157	1	Armature
GAR-1177	1	Oil Thrower
X-157	1	Nut, Hex., Slotted, 1/2-20
X-263	1	Key, Woodruff, #8
X-358	1	Washer, Plain, 1/2
X-404	1	Pin, Cotter, 3/32x1

Drive End Head Assembly & Parts Used With

GAG-1168	1	Head Assy., Drive End
GAG-168	1	Head
GX-9	1	Retainer, Bearing
GX-10	1	Gasket, Bearing Retainer
X-196	3	Washer, Lock, Retainer Screw, #10
8X-311	3	Screw, Retainer, Rd. hd., #10-32x3/8
X-378	1	Bearing, Ball, Shielded, S.A.E. #204
GAJ-90	4	Oil Seal
8X-119	4	Screw, Attaching, Drive End Head, Fil. hd., #10-32x1/2
X-544	4	Washer, Lock, D.E Head Sc., #10

Miscellaneous Parts

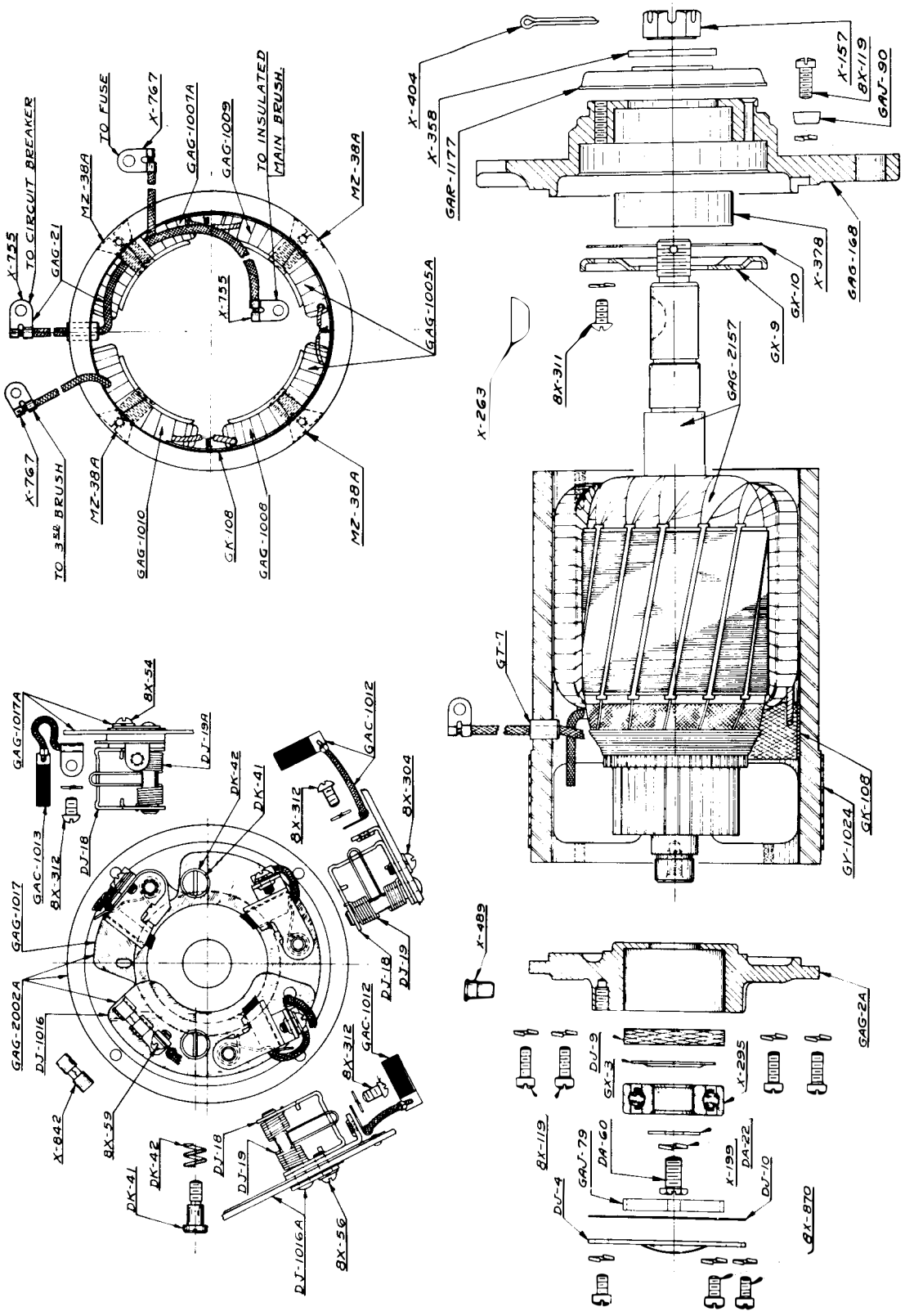
CB-4012	1	Relay Assy., Cutout
CB-123	1	Spring, Armature
CB-160S	1	Cover
PX-55	1	Screw, Arm. Term., Bdg. hd., #10-32x3/16
X-196	2	Washer, Lock, Term. Sc., #10
8X-312	1	Screw, Bat. Term., Rd. hd., #10-32x1/4
GY-1024	1	Band, Cover
X-196	2	Washer, Lock, Cutout Relay Mtg., #10
8X-321	2	Screw, Mtg., Cutout Relay, Rd. hd., #10-32x5/16
X-715	1	Screw, Cover Band, Rd. hd., #10-32x1 1/4
8X-794	1	Nut, Cover Band, Square, #10-32
		1 2 3 4 5

(Issued 3-10-44)

‡ Brush Set, Service, GAC-2012.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GAG-4150 GENERATOR ILLUSTRATION



GAL-4329 GENERATOR PARTS LIST GAL-4329

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GAL-2138)	1	Frame & Field Assy.
GAL-29	2	Pole Piece
GAL-44	1	Field Connection Ins.
GAL-1005C	1	Field Coil Assy. - Comp.
GAL-1007	1	Field Coil Assy.-Left
GAL-30	1	C.B. Lead Assy.
X-947	1	Terminal
X-946	1	Terminal
GAL-1008B	1	Field Coil Assy.-Right
X-976	1	Terminal
GK-38	2	Pole Piece Screw
GT-7	1	Insulating Tube
MN-21	2	Dowel Pin
X-755	1	Terminal
GAR-1031	1	Fuse Holder
MW-20	2	Frame Screw
8X-59	1	#8-32x3/16 Rd. Hd. Screw
8X-78	1	#8-32x9/16 Flat Hd. Screw
X-195	1	#8 Lock Washer
X-199	2	1/4 Lock Washer
X-842	1	Fuse - 5 Ampere

Comm. End Plate Assembly & Parts Used With

GAL-46	1	Grease Cup
GAL-1115	1	Wick & Spring Assy.
GAL-114	1	Wick
GAL-115	1	Wick Spring
(GAL-3192)	1	Comm. End Plate Assy.
GAL-12	2	Brush - Main
GAL-40	1	Bearing Cover
GAL-199	2	Brush Screw Block
GAL-201	1	Brush Spring
GAL-202	1	Brush Spring
GAL-204	1	Ground Connector Assy.
X-958	2	Terminal
GAL-205	2	3rd Brush Plate Retain'g Spring
GAL-242	2	Brush Holder
GAL-2187	1	3rd Brush Holder Plate Assembly
GAL-13	1	Brush - 3rd
GAL-199	1	Brush Screw Block
GAL-201	1	Brush Spring
GAL-242	1	Brush Holder
GAL-1187	1	3rd Brush Holder Plate Part Assembly
6X-47	1	#8-32x9/16 Rd. Hd. Sc.
6X-59	1	#8-32x3/16 Rd. Hd. Sc.
X-195	1	#8 Lock Washer
X-1276	1	#8 Skpf. Washer
GAL-2192	1	Comm. End Plate Part Assembly
GAL-49	1	Bronze Bearing
8X-47	2	#8-32x9/16 Rd. Hd. Sc.
8X-59	2	#8-32x3/16 Rd. Hd. Sc.
8X-63	2	#8-32x3/8 Flat Hd. Sc.
X-195	4	#8 Lock Washer
8X-304	1	#8-32x5/16 Rd. Hd. Sc.
X-1276	1	#8 Skpf. Washer
X-489	1	1/4 Oiler - Press in Type
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAL-50	1	Thrust Washer
GAL-2006	1	Armature Assembly
GAR-171	1	Snap Ring
GJ-104	1	Armature Shaft Spacer
GK-174	1	1/2 Plain Washer
GR-32	1	Felt Washer Retainer
X-158	1	1/2-20 Hex. Nut
X-198	1	1/2 Lock Washer
X-261B	1	#6 Woodruff Key - Hardened

Drive End Head Assembly & Parts Used With

GAL-1085	1	Drive End Head Assy.
GAL-85	1	Drive End Head
GT-76	2	Felt Washer Retainer
GT-77	1	Felt Retain'g Plate
GT-78	2	Felt Washer
X-196	3	#10 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
8X-311	3	#10-32x3/8 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type

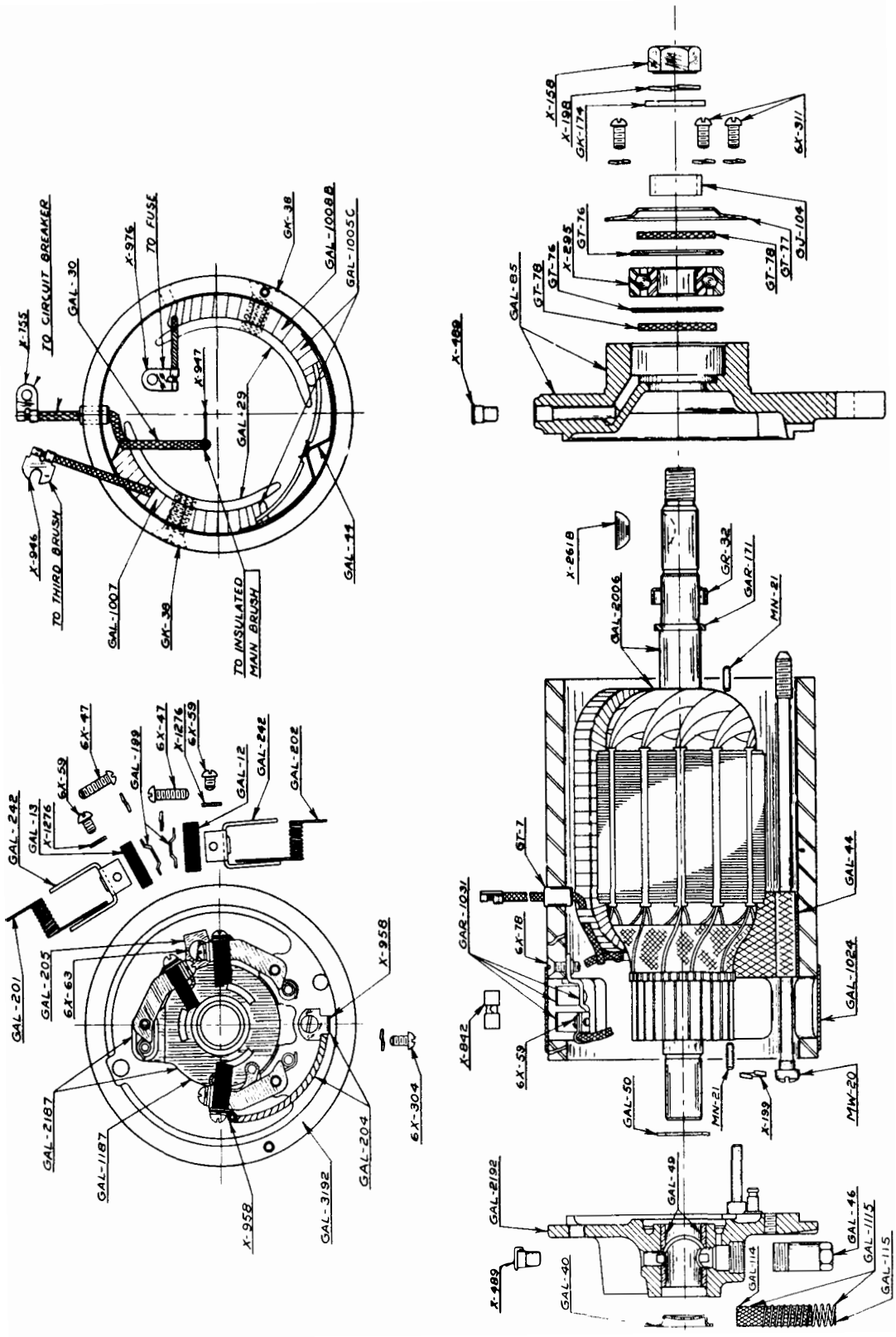
Miscellaneous Parts

CB-4021	1	Circuit Breaker Assy.
CB-123	1	Armature Spring
CB-160	1	C.B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	3	#10 Lock Washer
8X-312	2	#10-32x1/4 Rd. Hd. Screw
GAL-1024	1	Head Band Assembly
X-196	2	#10 Lock Washer
8X-321	2	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 8-13-30)
(R-1-28-36)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GAL-4329 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part 1 2 3 4 5
(GAL-2117)	1	Frame & Field Assembly
GAL-29	2	Pole Piece
GAL-44	1	Field Connection Ins.
GAL-1005A	1	FIELD COIL ASSY.- Comp.
GAL-1007A	1	Field Coil Assy.-Left
GAL-76	1	C.B. Lead Assy.
X-755	1	Terminal
X-947	1	Terminal
X-946	1	Terminal
GAL-1008A	1	Field Coil Assy.-Right
X-959	1	Terminal
GAR-211	1	Insulating Bushing
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-140	1	#6-32 Hex. Nut
X-194	1	#6 Lock Washer
8X-1008	1	#6-32x9/16 Rd. Hd. Screw
MW-20	2	Frame Screw
X-199	2	1/4 Lock Washer

Comm. End Plate Assembly & Parts Used With

GAL-46	1	Grease Cup
GAL-1115	1	Wick & Spring Assembly
GAL-114	1	Wick
GAL-115	1	Wick Spring
(GAL-3207)	1	Comm. End Plate Assembly
GAL-12‡	2	Brush - Main
GAL-199	2	Brush Screw Block
GAL-201	1	Brush Spring
GAL-202	1	Brush Spring
GAL-204	1	Ground Connector Assy.
X-958	2	Terminal
GAL-205	2	3rd Brush Plate Retain'g Spring
GAL-242	2	Brush Holder
GAL-2187	1	3rd Brush Holder Plate Assembly
GAL-13‡	1	Brush - Third
GAL-199	1	Brush Screw Block
GAL-201	1	Brush Spring
GAL-242	1	Brush Holder
GAL-1187	1	3rd Brush Holder Plate Part Assembly
8X-47	1	#8-32x9/16 Rd. Hd. Sc.
8X-59	1	#8-32x3/16 Rd. Hd. Sc.
X-195	1	#8 Lock Washer
X-1276	1	#8 Skpf. Washer
GAL-2207	1	Comm. End Plate Part Assy.
GAL-49	1	ABSORBENT BRONZE BRG.
8X-47	2	#8-32x9/16 Rd. Hd. Screw
8X-59	2	#8-32x3/16 Rd. Hd. Screw
8X-63	2	#8-32x3/8 Flat Hd. Screw
X-195	4	#8 Lock Washer
8X-304	1	#8-32x5/16 Rd. Hd. Screw
X-1276	1	#8 Skpf. Washer
X-489	1	1/4 Oiler - Press in Type 1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part 1 2 3 4 5
GAL-50	1	Thrust Washer
GAL-2066	1	ARMATURE ASSEMBLY
X-263	1	#8 Woodruff Key
X-1057	1	1/2-20 Castellated Nut

Drive End Head Assembly & Parts Used With

GAL-1118	1	Drive End Head Assembly
GAL-59	1	BRONZE BEARING
GT-124	1	Felt Wick
X-1041	1	#13x5/16 Escutcheon Pin

Dist. Mounting Housing & Parts Used With

GAG-58	1	Dist. Mounting Housing Clamp
GE-21	1	Dist. Gear - Driver
GG-133	1	Dist. Drive Rivet
GJ-170	1	Felt Washer
GJ-171	1	Felt Washer Retainer
GT-121B	1	Dist. Mounting Housing
8X-53	1	#8-32x5/8 Rd. Hd. Screw
8X-141	1	#8-32 Hex. Nut
X-380	1	1/8 Grease Cup
X-544	3	#10 Lock Washer
8X-900	3	#10-32x7/8 Fill. Hd. Screw

Miscellaneous Parts

GAL-1024	1	Head Band Assembly
X-196	2	#10 Lock Washer
X-199	2	1/4 Lock Washer
8X-321	2	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
X-877	2	1/4-20x5/16 Fill. Hd. Screw 1 2 3 4 5

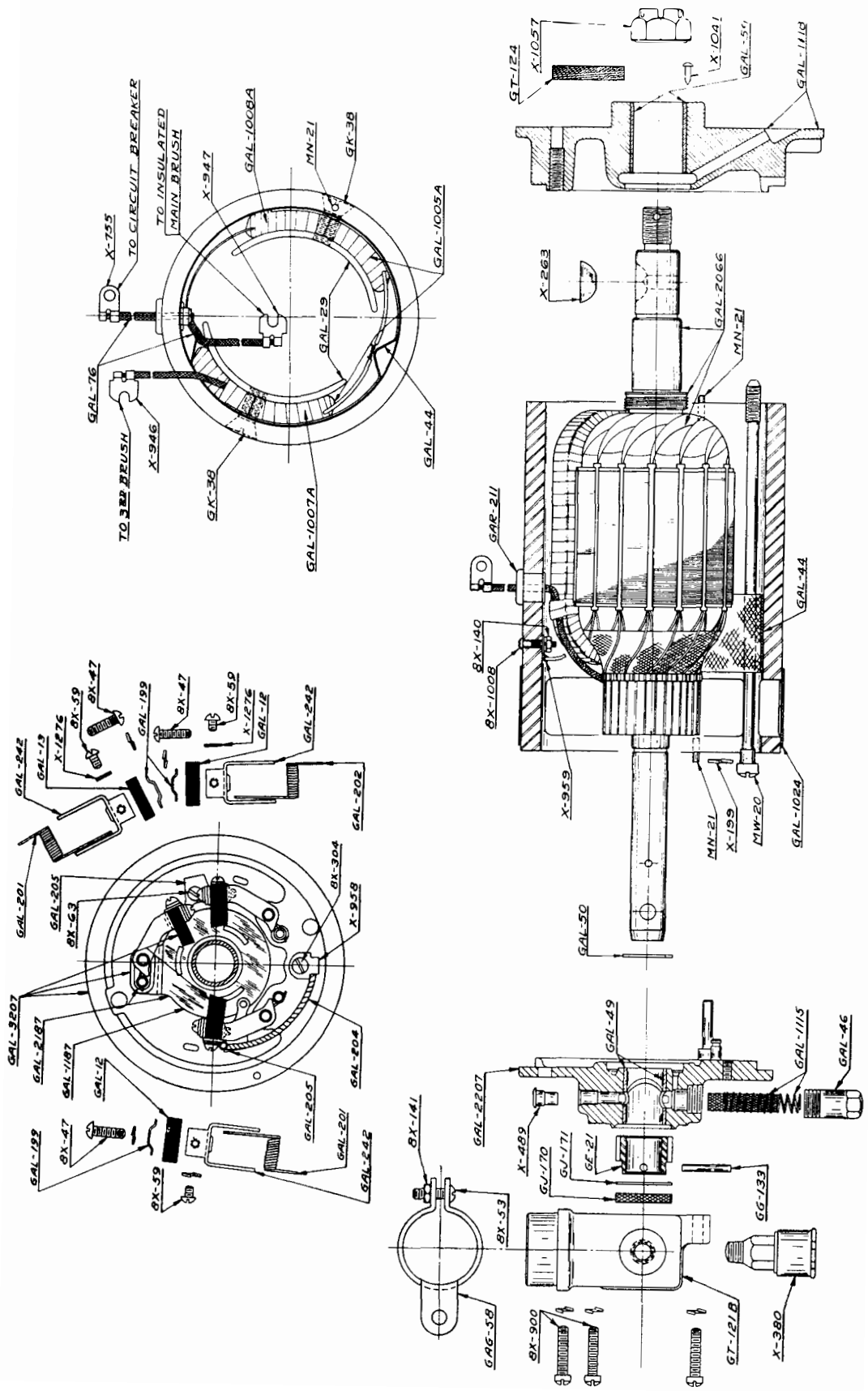
(Issued 5-21-40)

‡ Service BRUSH SET GAL-2012.

UNIT	APPLICATION
GAL-4336	Gray Marine

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GAL-4336 GENERATOR ILLUSTRATION



GAL-4340 GENERATOR PARTS LIST GAL-4340

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GAL-3117)	1	Frame & Field Assy.
GAL-29	2	Pole Piece
GAL-44	1	Field Connection Ins.
GAL-2005B	1	Field Coil Assy. - Comp.
GAL-1007C	1	Field Coil Assy.-Left
GAL-222	1	C.B. Lead Assy.
X-755	1	Terminal
X-947	1	Terminal
X-946	1	Terminal
GAL-1008A	1	Field Coil Assy.-Right
X-959	1	Terminal
GAR-211	1	Insulating Bushing
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
6X-140	1	#6-32 Hex. Nut
X-194	1	#6 Lock Washer
8X-1008	1	#6-32x9/16 Rd. Hd. Sc.
MW-20	2	Frame Screw
X-199	2	1/4 Lock Washer

Comm. End Plate Assembly & Parts Used With

GAL-46	1	Grease Cup
GAL-1115	1	Wick & Spring Assy.
GAL-114	1	Wick
GAL-115	1	Wick Spring
(GAL-3209)	1	Comm. End Plate Assy.
GAL-12‡	2	Brush - Main
GAL-199	2	Brush Screw Block
GAL-201	1	Brush Spring
GAL-202	1	Brush Spring
GAL-204	1	Ground Connector Assy.
X-958	2	Terminal
GAL-205	2	3rd Brush Plate Retain'g Spring
GAL-242	2	Brush Holder
GAL-2209	1	Comm. End Plate Part Assy.
GAL-49	1	Bronze Brg.
GAL-2210	1	3rd Brush Holder Plate Assembly
GAL-13‡	1	Brush - 3rd
GAL-199	1	Brush Screw Block
GAL-202	1	Brush Spring
GAL-242	1	Brush Holder
GAL-1210	1	3rd Brush Holder Plate Part Assembly
6X-47	1	#8-32x9/16 Rd. Hd. Sc.
6X-59	1	#8-32x3/16 Rd. Hd. Sc.
X-195	1	#8 Lock Washer
X-1276	1	#8 Skpf. Washer
6X-47	2	#8-32x9/16 Rd. Hd. Screw
6X-59	2	#8-32x3/16 Rd. Hd. Screw
6X-63	2	#8-32x3/8 Flat Hd. Screw
X-195	4	#8 Lock Washer
6X-304	1	#8-32x5/16 Rd. Hd. Screw
X-1276	1	#8 Skpf. Washer
X-489	1	1/4 Oiler - Press in Type
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAL-50	1	Thrust Washer
GAL-3066	1	Armature Assembly
X-263	1	#8 Woodruff Key
X-1057	1	1/2-20 Castellated Nut

Drive End Head Assembly & Parts Used With

GAL-1118	1	Drive End Head Assy.
GAL-59	1	Bronze Bearing
GT-124	1	Felt Wick
X-1041	1	#13x5/16 Escutcheon Pin

Dist. Mounting Housing & Parts Used With

GAG-58	1	Dist. Mtg. Housing Clamp
GAL-98	1	Dist. Mtg. Housing
GE-21	1	Dist. Gear - Driver
GG-133	1	Dist. Drive Rivet
GJ-170	1	Felt Washer
GJ-171	1	Felt Washer Retainer
6X-53	1	#8-32x5/8 Rd. Hd. Screw
6X-141	1	#8-32 Hex. Nut
X-380	1	1/8 Grease Cup
X-544	3	#10 Lock Washer
6X-900	3	#10-32x7/8 Fill. Hd. Screw

Miscellaneous Parts

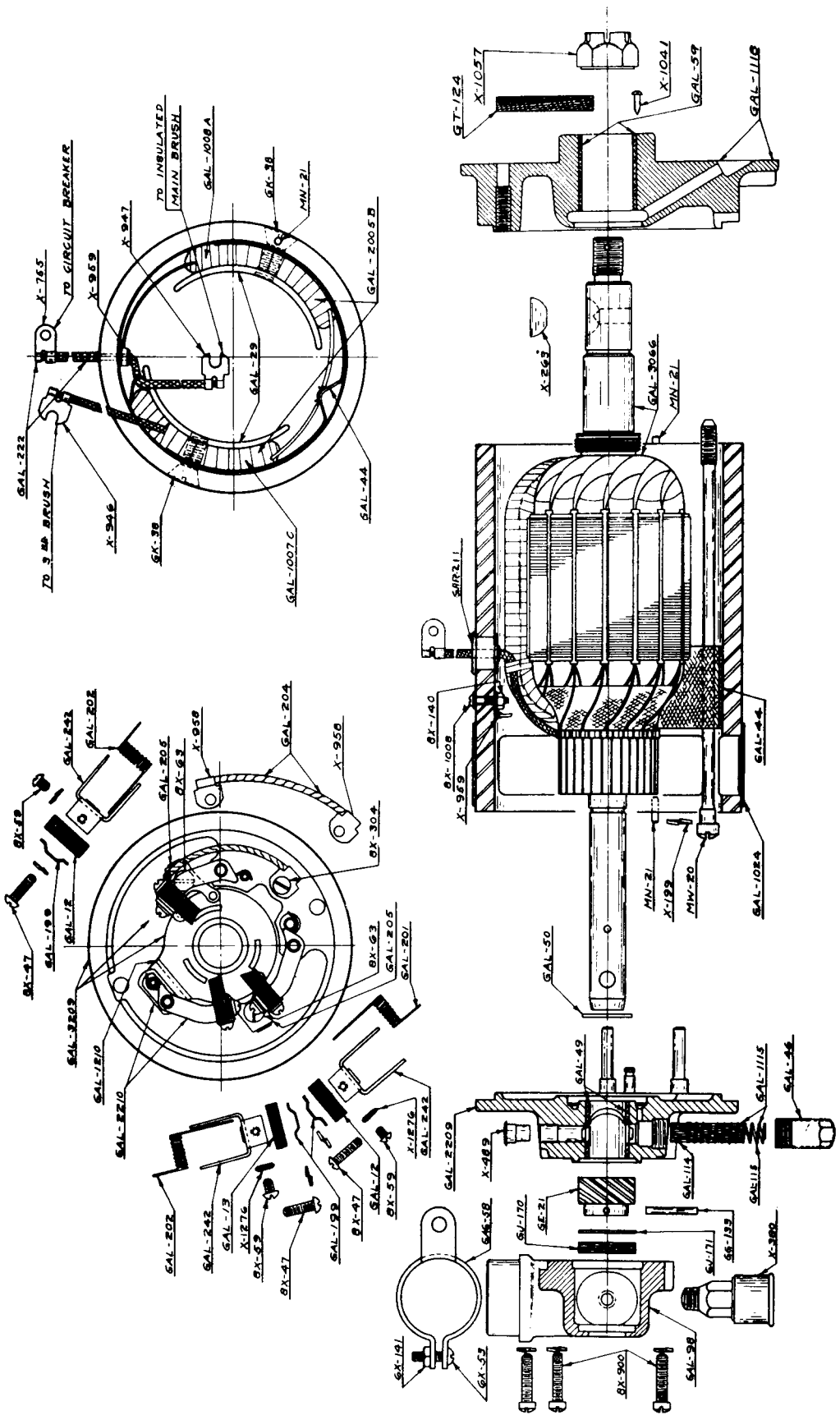
GAL-1024	1	Head Band Assembly
X-196	2	#10 Lock Washer
X-199	2	1/4 Lock Washer
6X-321	2	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
6X-794	1	#10-32 Square Nut
X-877	2	1/4-20x5/16 Fill. Hd. Screw
		1 2 3 4 5

(Issued 3-8-35)
(R-3-24-37)

‡ Service Brush Set GAL-2012.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assemble as needed."

GAL-4340 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GAM-2079)	1	Frame & Field Assy.
GAA-30	1	Term. Post Bottom Ins.
GAA-32	1	Term. Post Top Ins.
GAL-44	1	Field Connection Ins.
GAM-29	2	Pole Piece
GAM-73	1	Terminal Lead Assy.
GAA-27	1	Terminal Post
X-947	1	Terminal
GAM-1005	1	Field Coil Assy. - Comp.
GAM-1007	1	Field Coil Assy.-Left
X-946	1	Terminal
GAM-1008	1	Field Coil Assy.-Right
X-959	1	Terminal
GCT-25	1	Insulating Bushing
GK-38	2	Pole Piece Screw
6X-140	1	#6-32 Hex. Nut
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-194	1	#6 Lock Washer
8X-361	1	1/4 Plain Washer
6X-1008	1	#6-32x9/16 Rd. Hd. Screw
GJ-20	2	Frame Screw
5X-177	1	#14-24 Hex. Nut
X-535	2	1/4 Lock Washer
X-1272	1	1/4 Skpf. Washer

Comm. End Plate Assembly & Parts Used With

(GAM-3050B)	1	Comm. End Plate Assy.
GAL-199	2	Brush Screw Block
GAL-242	2	Brush Holder
GAL-243	2	Brush Spring
GAM-12‡	2	Brush - Main
GAM-56	2	3rd Brush Plate Retaining Spring
GAM-69	1	Ground Connector Assy.
X-958	1	Terminal
X-1031	1	Terminal
GAM-2050D	1	Comm. End Plate Part Assy.
X-390	1	Oiler - 1/4 Hinged Top
GAM-2058B	1	3rd Brush Holder Plate Assembly
GAL-13‡	1	Brush - 3rd
GAL-199	1	Brush Screw Block
GAL-242	1	Brush Holder
GAL-243	1	Brush Spring
GAM-1058B	1	3rd Brush Holder Plate Part Assy.
8X-47	1	#8-32x9/16 Rd. Hd. Screw
8X-59	1	#8-32x3/16 Rd. Hd. Screw
X-195	1	#8 Lock Washer
X-1276	1	#8 Skpf. Washer
6X-47	2	#8-32x9/16 Rd. Hd. Screw
6X-59	2	#8-32x3/16 Rd. Hd. Screw
6X-63	2	#8-32x3/8 Flat Hd. Screw
X-195	3	#8 Lock Washer
X-1276	1	#8 Skpf. Washer
		1 2 3 4 5

See table following parts list for part number applying to assembly wanted.

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAM-57	1	Armature Shaft Spacer
GAM-2055	1	Armature Assy.
GAR-171	1	Snap Ring
GK-64	1	Snap Ring
GK-175	1	Armature Shaft Nut
*	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assy. & Parts Used With

GAM-1080	1	Drive End Head Assy.
GAM-34	1	Oil Guard - Corrugated
GAM-54	1	Bearing Retainer
GAM-1080S	1	Drive End Head
GG-164	1	Felt Washer
X-295	1	Ball Brg. - S.A.E. #203
6X-312	3	#10-32x1/4 Rd. Hd. Screw

Miscellaneous

GAL-1024	1	Head Band Assembly
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
6X-794	1	#10-32 Square Nut
		1 2 3 4 5

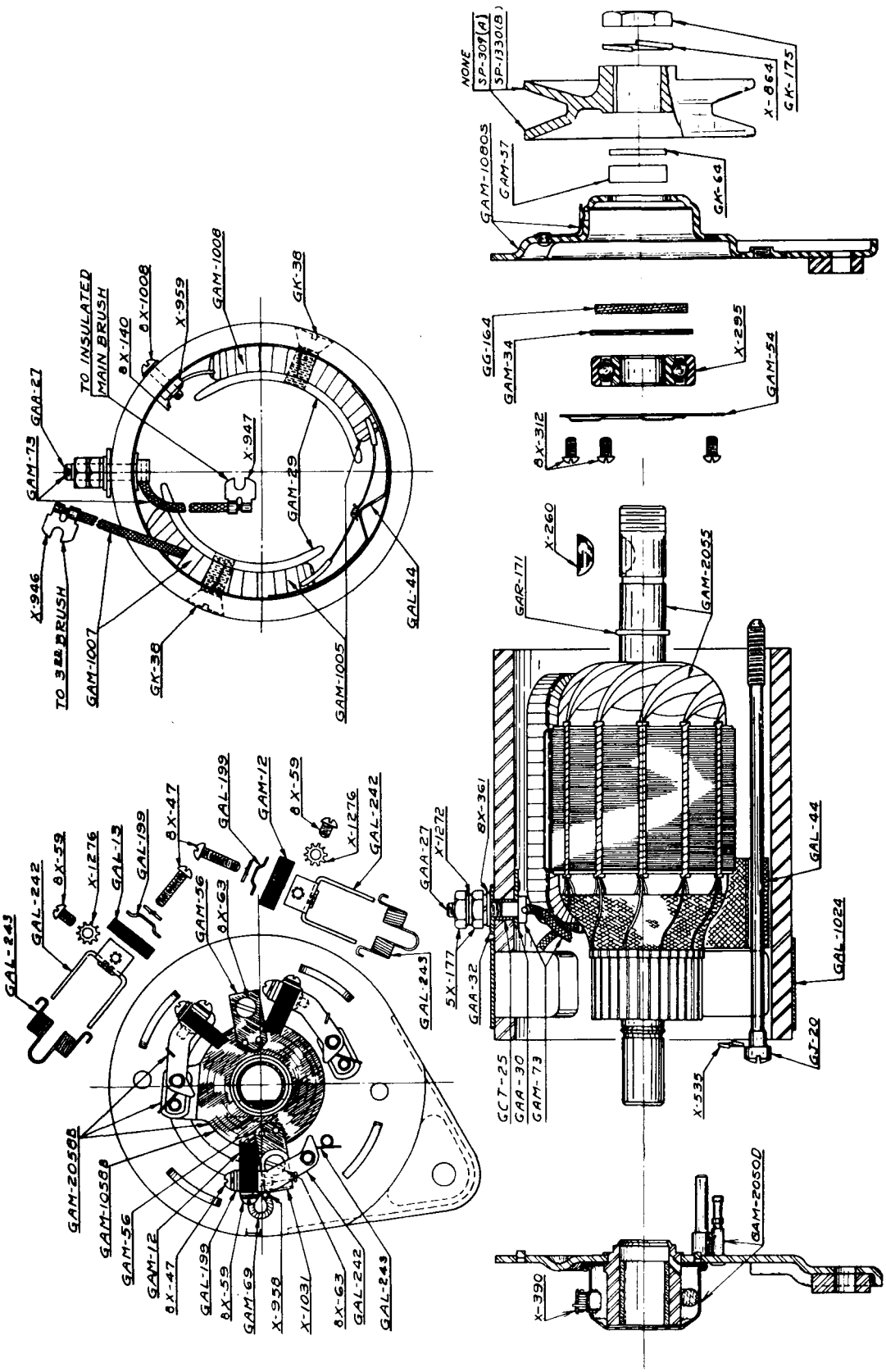
(Issued 11-15-38)

Assembly No.	Drive Pulley
GAM-4504	None
GAM-4504A	SP-309
GAM-4504B	SP-1330

‡ Service Brush Set GAM-2012.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GAM-4504,A,B GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part 1 2 3 4 5
(GAJ-2056)	1	Frame & Field Assy.
GAJ-29	4	Pole Piece
GAJ-1005	1	Field Coil Assy. - Comp.
GAJ-1007	1	Field Coil Assy. - U.R.
DA-66	1	Terminal
GAG-21	1	C.B. Lead Assy.
X-755	1	Terminal
GAJ-1008	1	Field Coil - L.L.
GAJ-1009	1	Field Coil - L.R.
GAJ-1010	1	Field Coil Assy. - U.L.
DA-66	1	Terminal
GAJ-1056	1	Frame & Bracket Assy.
GJ-41	1	Mounting Bracket
X-331	4	#14-24x5/8 Ctsk. Hd. Screw
X-1279	4	1/4 Skpf. Washer
GK-108	1	Field Connection Ins.
GT-7	1	Insulating Tube
MZ-38	4	Pole Piece Screw
X-755	1	Terminal

Comm. End Plate Assembly & Parts Used With

DA-22	1	Bearing Retaining Washer
DA-60	1	Bearing Retaining Screw
DJ-4	1	Comm. End Cap Cover
DJ-9	1	Felt Washer
DJ-10	1	End Cap Cover Gasket
GAC-1012	2	Brush - Main
GAC-1013	1	Brush - Third
(GAG-2002A)	1	Comm. End Plate Assy.
DJ-1016	1	Brush Holder Plate Assy.
DJ-18	2	Brush Holder
DJ-19	2	Brush Spring
DJ-1016A	1	Brush Holder Plate Part Assy.
8X-56	1	#8-32x7/16 Rd. Hd. Sc.
X-195	2	#8 Lock Washer
8X-304	1	#8-32x5/16 Rd. Hd. Sc.
DK-41	2	Brush Holder Plate Screw
DK-42	2	Spring
GAG-2A	1	Comm. End Plate
GAG-1017	1	3rd Brush Holder Plate Assembly
DJ-18	1	Brush Holder
DJ-19	1	Brush Spring
GAG-1017A	1	3rd Brush Holder Plate Part Assy.
8X-54	1	#8-32x1/2 Rd. Hd. Sc.
X-195	1	#8 Lock Washer
GX-3	1	Felt Guard
8X-59	1	#8-32x3/16 Rd. Hd. Screw
8X-119	4	#10-32x1/2 Fill. Hd. Screw
X-195	1	#8 Lock Washer
X-196	3	#10 Lock Washer
X-199	1	1/4 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
8X-312	3	#10-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
X-544	7	#10 Lock Washer
X-842	1	Fuse - 5 Ampere
8X-870	3	#10-32x5/16 Fill. Hd. Sc. 1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part 1 2 3 4 5
DA-70	1	Armature Shaft Nut
GAJ-83	1	Armature Shaft Sleeve
GAP-2082	1	Armature Assembly

Drive End Head Assembly & Parts Used With

GAG-1052	1	Drive End Head Assy.
GAG-52	1	Drive End Head
GG-6	2	Felt Guard-with Oil Well
GG-164	1	Felt Washer
GK-176	1	Felt Washer Retainer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
8X-316	3	#10-32x3/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
8X-119	4	#10-32x1/2 Fill. Hd. Screw
X-544	4	#10 Lock Washer

Miscellaneous Parts

CB-4012	1	Circuit Breaker Assy.
CB-123	1	Armature Spring
CB-160	1	C. B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Screw
GAJ-1024	1	Head Band Assembly
X-196	2	#10 Lock Washer
8X-321	2	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut 1 2 3 4 5

(Issued 5-8-30)
(R-2-10-36)

Printed in U. S. A.

File in Equipment & Parts Lists Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GAP-4125 GENERATOR ILLUSTRATION

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part 1 2 3 4 5
(GAJ-2001)	1	Frame & Field Assy.
GAJ-29	4	Pole Piece
GAJ-1005	1	Field Coil Assy.-Comp.
GAJ-1007	1	Field Coil Assy.-U.R.
DA-66	1	Terminal
GAG-21	1	C.B. Lead Assy.
X-755	1	Terminal
GAJ-1008	1	Field Coil - L.L.
GAJ-1009	1	Field Coil - L.R.
GAJ-1010	1	Field Coil Assy.-U.L.
DA-66	1	Terminal
GK-108	1	Field Connection Ins.
GT-7	1	Insulating Tube
MZ-38	4	Pole Piece Screw
X-755	1	Terminal

Comm. End Plate Assembly & Parts Used With

DA-22	1	Bearing Retaining Washer
DA-60	1	Bearing Retaining Screw
DJ-4	1	Comm. End Cap Cover
DJ-9	1	Felt Washer
DJ-10	1	End Cap Cover Gasket
GAC-1012	2	Brush - Main
GAC-1013	1	Brush - 3rd
(GAG-2002A)	1	Comm. End Plate Assy.
DJ-1016	1	Brush Holder Plate Assy.
DJ-18	2	Brush Holder
DJ-19	2	Brush Spring
DJ-1016A	1	Brush Holder Plate Part Assy.
2X-56	1	#8-32x7/16 Rd. Hd. Sc.
X-195	2	#8 Lock Washer
2X-304	1	#8-32x5/16 Rd. Hd. Sc.
DK-41	2	Brush Holder Plate Screw
DK-42	2	Spring
GAG-2A	1	Comm. End Plate
GAG-1017	1	3rd Brush Holder Plate Assembly
DJ-18	1	Brush Holder
DJ-19	1	Brush Spring
GAG-1017A	1	3rd Brush Holder Plate Part Assy.
2X-54	1	#8-32x1/2 Rd. Hd. Sc.
X-195	1	#8 Lock Washer
GX-3	1	Felt Guard
6X-59	1	#8-32x3/16 Rd. Hd. Screw
6X-119	4	#10-32x1/2 Fill. Hd. Screw
X-195	1	#8 Lock Washer
X-196	3	#10 Lock Washer
X-199	1	1/4 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
6X-312	3	#10-32x1/4 Rd. Hd. Screw
X-488	1	1/4 Oiler - Press in Elbow
X-544	7	#10 Lock Washer
X-844	1	Fuse - 7 1/2 Amp.
6X-870	3	#10-32x5/16 Fill. Hd. Screw 1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part 1 2 3 4 5
GAJ-79	1	Bearing Spacer
GAP-2098	1	Armature Assembly
GT-93	1	Oil Thrower - D.E.
X-258	1	#3 Woodruff Key
X-358	1	1/2 Plain Steel Washer
X-404	1	3/32x1 Cotter Pin
X-835	1	1/2-20 Slotted Nut

Drive End Head Assembly & Parts Used With

GAG-1107	1	Drive End Head Assy.
GAL-59	1	Bronze Bearing
GT-97	1	Felt Wick
6X-119	4	#10-32x1/2 Fill. Hd. Sc.
X-544	4	#10 Lock Washer
X-1040	1	#13x1/2 Escutcheon Pin

Miscellaneous Parts

CB-4012	1	Circuit Breaker Assy.
CB-123	1	Armature Spring
CB-160	1	C.B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Sc.
GY-1024	1	Head Band Assy.
X-196	2	#10 Lock Washer
6X-321	2	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
6X-794	1	#10-32 Square Nut 1 2 3 4 5

(Issued 6-1-32)
(R-7-8-36)

"NOTE: Where part n mbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GAP-4140 GENERATOR PARTS LIST GAP-4140

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GAJ-2056)	1	Frame & Field Assy.
GAJ-29	4	Pole Piece
GAJ-1005	1	Field Coil Assy. - Comp.
GAJ-1007	1	Field Coil Assy.-U.R.
DA-66	1	Terminal
GAG-21	1	C.B. Lead Assy.
X-755	1	Terminal
GAJ-1008	1	Field Coil - L.L.
GAJ-1009	1	Field Coil - L.R.
GAJ-1010	1	Field Coil Assy.-U.L.
DA-66	1	Terminal
GAJ-1056	1	Frame & Bracket Assy.
GJ-41	1	Mounting Bracket
X-331	4	#14-24x5/8 Ctsk. Hd. Screw
X-1279	4	1/4 Skpf. Washer
GK-108	1	Field Connection Ins.
GT-7	1	Insulating Tube
MZ-38	4	Pole Piece Screw
X-755	1	Terminal

Comm. End Plate Assembly & Parts Used With

DA-39	2	Flat Oil Guard
DA-70	1	Armature Shaft Nut
DH-7	1	Felt Washer
DJ-9	1	Felt Washer
GAC-1012	2	Brush - Main
GAC-1013	1	Brush - Third
(GAG-2002A)	1	Comm. End Plate Assy.
DJ-1016	1	Brush Holder Plate Assy.
DJ-18	2	Brush Holder
DJ-19	2	Brush Spring
DJ-1016A	1	Brush Holder Plate Part Assy.
6X-56	1	#8-32x7/16 Rd. Hd. Sc.
X-195	2	#8 Lock Washer
6X-304	1	#8-32x5/16 Rd. Hd. Sc.
DK-41	2	Brush Holder Plate Screw
DK-42	2	Spring
GAG-2A	1	Comm. End Plate
GAG-1017	1	3rd Brush Holder Plate Assembly
DJ-18	1	Brush Holder
DJ-19	1	Brush Spring
GAG-1017A	1	3rd Brush Holder Plate Part Assy.
6X-54	1	#8-32x1/2 Rd. Hd. Sc.
X-195	1	#8 Lock Washer
GX-3	1	Felt Guard
6X-59	1	#8-32x3/16 Rd. Hd. Screw
6X-119	4	#10-32x1/2 Fill. Hd. Screw
X-195	1	#8 Lock Washer
X-196	3	#10 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
6X-312	3	#10-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
X-544	4	#10 Lock Washer
X-842	1	Fuse - 5 Ampere
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAP-2097	1	Armature Assembly
GJ-104	1	Armature Shaft Spacer
GJ-179	1	7/16 Plain Washer
X-160	1	7/16-20 Hex. Nut
X-205	1	7/16 Lock Washer
X-261	1	#6 Woodruff Key

Drive End Head Assembly & Parts Used With

GAG-1052	1	Drive End Head Assy.
GAG-52	1	Drive End Head
GG-6	2	Felt Guard - with Oil Well
GG-164	1	Felt Washer
GK-176	1	Felt Washer Retainer
6X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
6X-316	3	#10-32x3/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
6X-119	4	#10-32x1/2 Fill. Hd. Screw
X-544	4	#10 Lock Washer

Dist. Mounting Housing & Parts Used With

GAG-58	1	Dist. Mounting Housing Clamp
GAG-101	1	Dist. Mounting Housing
GE-19	1	Dist. Gear - Driver
GG-133	1	Dist. Drive Rivet
6X-53	1	#8-32x5/8 Rd. Hd. Screw
6X-119	3	#10-32x1/2 Fill. Hd. Screw
6X-141	1	#8-32 Hex. Nut
X-380	1	1/8 Grease Cup
X-489	1	1/4 Oiler - Press in Type
X-544	3	#10 Lock Washer

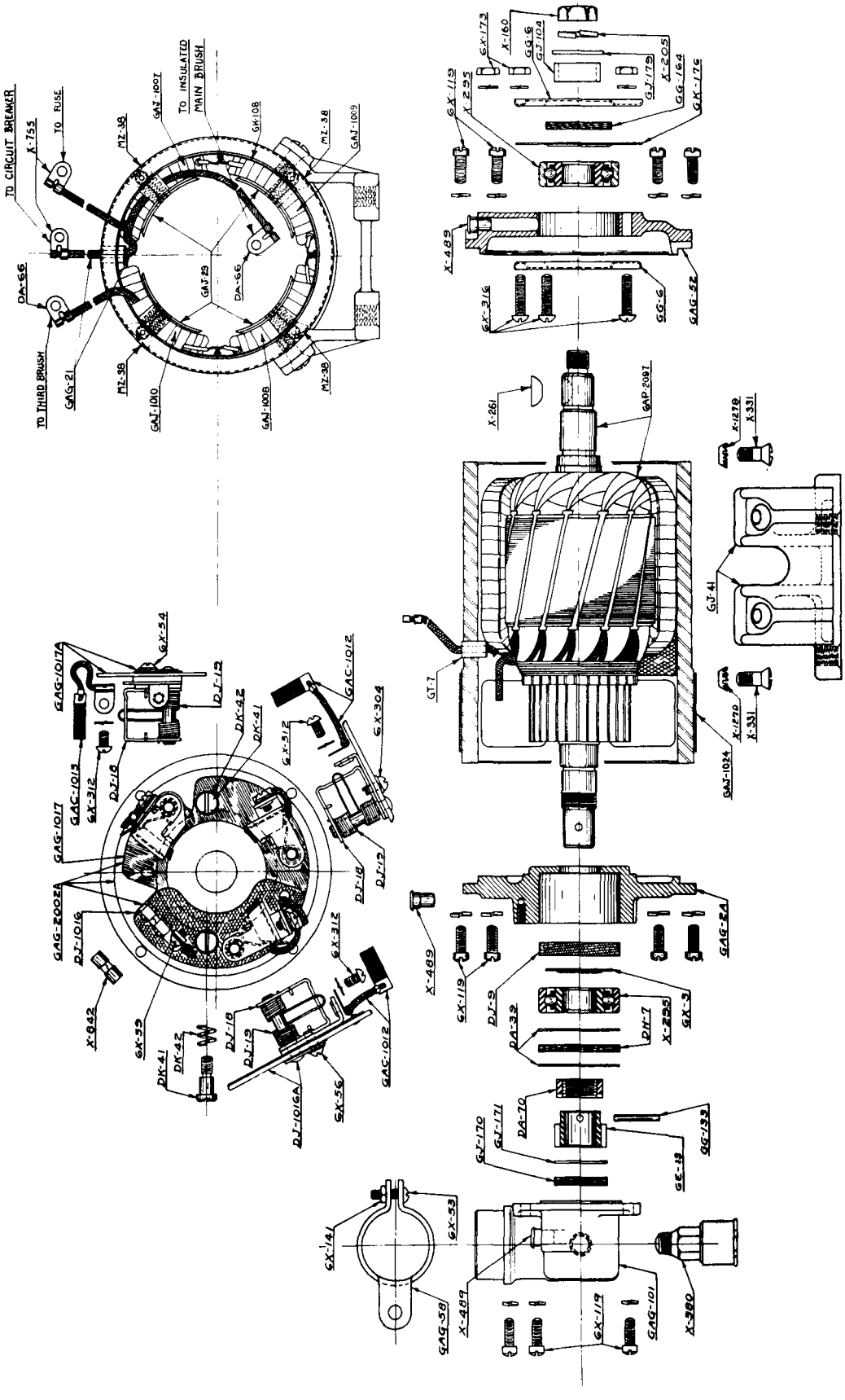
Miscellaneous Parts

CB-4012	1	Circuit Breaker Assy.
CB-123	1	Armature Spring
CB-160S	1	C.B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Screw
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Screw
GAJ-1024	1	Head Band Assembly
X-196	2	#10 Lock Washer
6X-321	2	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
6X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 12-26-34)
(R-12-10-36)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GAP-4140 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GAJ-3099)	1	Frame & Field Assy.
GAJ-29	4	Pole Piece
GAJ-2005	1	Field Coil Assy. - Comp.
GAJ-1007A	1	Field Coil Assy. - U.R.
DA-66	1	Terminal
GAJ-1008	1	Field Coil - L.L.
GAJ-1009	1	Field Coil - L.R.
GAJ-1010A	1	Field Coil Assy. - U.L.
DA-66	1	Terminal
GAG-21	1	C.B. Lead Assy.
X-755	1	Terminal
GK-108	1	Field Connection Ins.
GT-7	1	Insulating Tube
MZ-38	4	Pole Piece Screw
X-755	1	Terminal

Comm. End Plate Assembly & Parts Used With

DA-39	2	Flat Oil Guard
DA-70	1	Armature Shaft Nut
DH-7	1	Felt Washer
DJ-9	1	Felt Washer
GAC-1012	2	Brush - Main
GAC-1013	1	Brush - Third
(GAG-3002A)	1	Comm. End Plate Assy.
DJ-2016	1	Brush Holder Plate Assy.
DJ-18A	2	Brush Holder
DJ-19	2	Brush Spring
DJ-2016A	1	Brush Holder Plate Part Assy.
8X-56	1	#8-32x7/16 Rd. Hd. Sc.
X-195	2	#8 Lock Washer
8X-304	1	#8-32x5/16 Rd. Hd. Sc.
DK-41	2	Brush Holder Plate Screw
DK-42	2	Spring
GAG-2A	1	Comm. End Plate
GAG-2017	1	3rd Brush Holder Plate Assembly
DJ-18A	1	Brush Holder
DJ-19	1	Brush Spring
GAG-2017A	1	3rd Brush Holder Plate Part Assy.
8X-54	1	#8-32x1/2 Rd. Hd. Sc.
X-195	1	#8 Lock Washer
GX-3	1	Felt Guard
8X-59	1	#8-32x3/16 Rd. Hd. Screw
8X-119	7	#10-32x1/2 Fill. Hd. Screw
X-195	1	#8 Lock Washer
X-196	3	#10 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
8X-312	3	#10-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
X-544	7	#10 Lock Washer
X-842	1	Fuse - 5 Ampere
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAP-3101	1	Armature Assembly
GJ-104	1	Armature Shaft Spacer
GJ-179	1	7/16 Plain Washer
X-160	1	7/16-20 Hex. Nut
X-205	1	7/16 Lock Washer
X-261	1	#6 Woodruff Key

Drive End Head Assembly & Parts Used With

GAG-1052	1	Drive End Head Assy.
GAG-52	1	Drive End Head
GG-6	2	Felt Guard - with Oil Well
GG-164	1	Felt Washer
GK-176	1	Felt Washer Retainer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
8X-316	3	#10-32x3/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
8X-119	4	#10-32x1/2 Fill. Hd. Screw
X-544	4	#10 Lock Washer

Dist. Mounting Housing & Parts Used With

GAG-58	1	Dist. Mounting Housing Clamp
GAG-101	1	Dist. Mounting Housing
IG-86	1	Dist. Drive Rivet
IG-453	1	Dist. Gear - Driver
8X-53	1	#8-32x5/8 Rd. Hd. Screw
8X-141	1	#8-32 Hex. Nut
X-380	1	1/8 Grease Cup
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

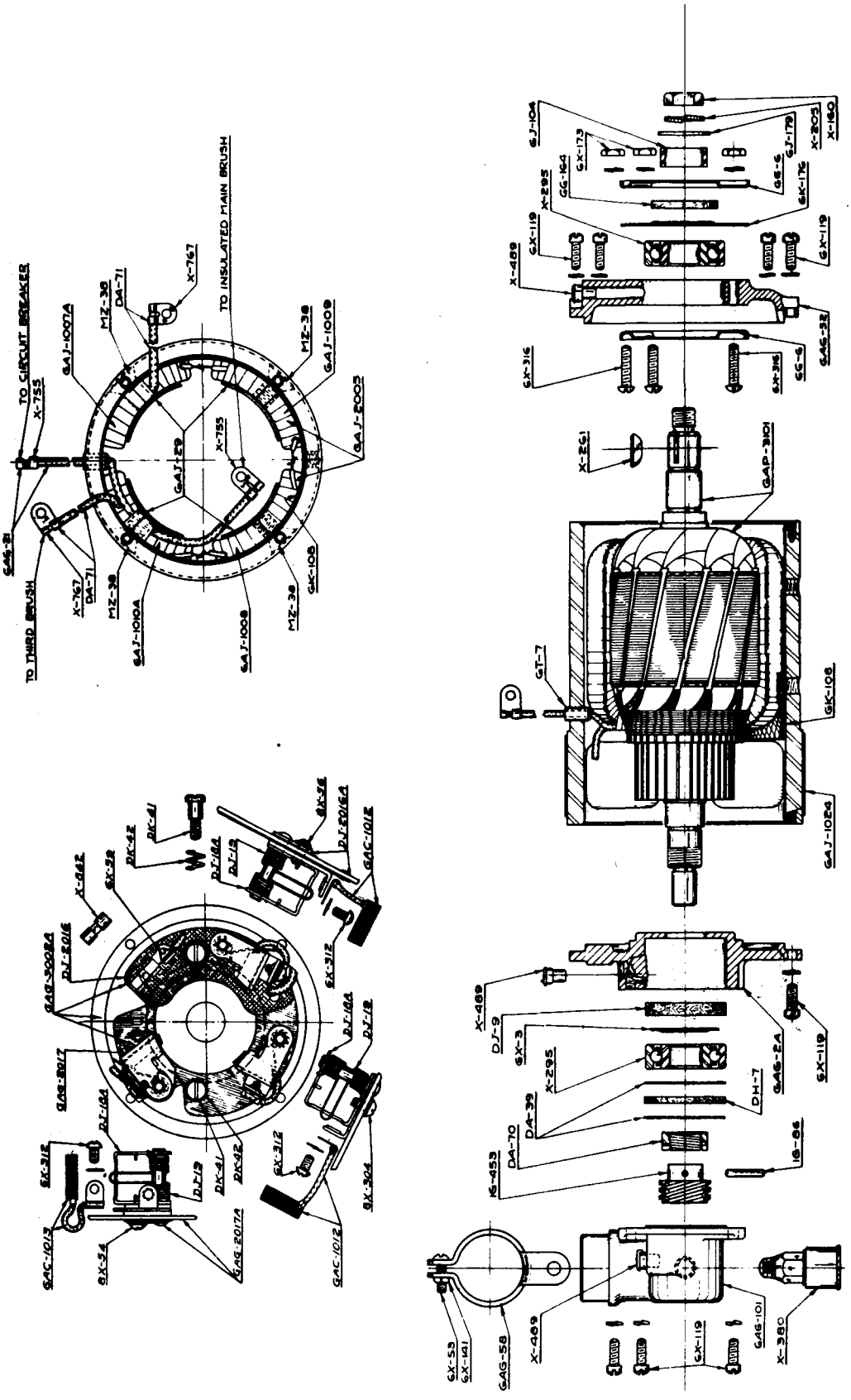
CB-4014	1	Circuit Breaker Assy.
CB-123	1	Armature Spring
CB-160	1	C.B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Sc.
GAJ-1024	1	Head Band Assembly
X-196	2	#10 Lock Washer
8X-321	2	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Sc.
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 5-4-36)

NOTE:- Use GAC-2012 brush set in servicing this unit.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GAP-4142 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GAJ-2001)	1	Frame & Field Assy.
GAJ-29	4	Pole Piece
GAJ-1005	1	Field Coil Assy. - Comp.
GAJ-1007	1	Field Coil Assy. - U.R.
DA-66	1	Terminal
GAG-21	1	C.B. Lead Assy.
X-755	1	Terminal
GAJ-1008	1	Field Coil - L.L.
GAJ-1009	1	Field Coil - L.R.
GAJ-1010	1	Field Coil Assy. - U.L.
DA-66	1	Terminal
GK-108	1	Field Connection Ins.
GT-7	1	Insulating Tube
MZ-38	4	Pole Piece Screw
X-755	1	Terminal

Comm. End Plate Assembly & Parts Used With

DA-39	2	Flat Oil Guard
DA-70	1	Armature Shaft Nut
DH-7	1	Felt Washer
DJ-9	1	Felt Washer
GAC-1012	2	Brush - Main
GAC-1013	1	Brush - Third
GAG-2002A)	1	Comm. End Plate Assy.
DJ-1016	1	Brush Holder Plate Assy.
DJ-18	2	Brush Holder
DJ-19	2	Brush Spring
DJ-1016A	1	Brush Holder Plate Part Assy.
8X-56	1	#8-32x7/16 Rd. Hd. Sc.
X-195	2	#8 Lock Washer
8X-304	1	#8-32x5/16 Rd. Hd. Sc.
DK-41	2	Brush Holder Plate Screw Spring
DK-42	2	
GAG-2A	1	Comm. End Plate
GAG-1017	1	3rd Brush Holder Plate Assembly
DJ-18	1	Brush Holder
DJ-19	1	Brush Spring
GAG-1017A	1	3rd Brush Holder Plate Part Assy.
8X-54	1	#8-32x1/2 Rd. Hd. Sc.
X-195	1	#8 Lock Washer
GJ-170	1	Felt Washer
GJ-171	1	Felt Washer Retainer
GX-3	1	Felt Guard
8X-59	1	#8-32x3/16 Rd. Hd. Screw
8X-119	7	#10-32x1/2 Fill. Hd. Screw
X-195	1	#8 Lock Washer
X-196	3	#10 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
8X-312	3	#10-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
X-544	7	#10 Lock Washer
X-842	1	Fuse - 5 Ampere
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAG-1166	1	Oil Thrower
GAP-2095	1	Armature Assembly
X-261	1	#6 Woodruff Key

Drive End Head Assembly & Parts Used With

GAG-1165	1	Drive End Head Assy.
GAG-165	1	Drive End Head
GAR-95	1	Felt Washer
GX-9	1	Drive End Packing Retainer
GX-10	1	Gasket
X-196	3	#10 Lock Washer
8X-311	3	#10-32x3/8 Rd. Hd. Screw
X-378	1	Ball Brg. - S.A.E. #204 Oil Seal
8X-119	4	#10-32x1/2 Fill. Hd. Screw
X-544	4	#10 Lock Washer

Dist. Mounting Housing & Parts Used With

GAG-58	1	Dist. Mounting Housing Clamp
GAG-101B	1	Dist. Mounting Housing
GE-25	1	Dist. Gear - Driver
GG-133	1	Dist. Drive Rivet
8X-53	1	#8-32x5/8 Rd. Hd. Screw
8X-141	1	#8-32 Hex. Nut
X-380	1	1/8 Grease Cup
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

CB-4012	1	Circuit Breaker Assy.
CB-123	1	Armature Spring
CB-160	1	C.B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Screw
GY-1024	1	Head Band Assembly
X-196	2	#10 Lock Washer
8X-321	2	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 5-4-36)

NOTE:- Use GAC-2012 brush set in servicing this unit.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assemble as needed."

GAP-4157 GENERATOR ILLUSTRATION

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GAJ-2001)	1	Frame & Field Assy.
GAJ-29	4	Pole Piece
GAJ-1005	1	Field Coil Assy. - Comp.
GAJ-1007	1	Field Coil Assy. - U.R.
DA-66	1	Terminal
GAG-21	1	C.B. Lead Assy.
X-755	1	Terminal
GAJ-1008	1	Field Coil - L.L.
GAJ-1009	1	Field Coil - L.R.
GAJ-1010	1	Field Coil Assy. - U.L.
DA-66	1	Terminal
GK-108	1	Field Connection Ins.
GT-7	1	Insulating Tube
MZ-38	4	Pole Piece Screw
X-755	1	Terminal

Comm. End Plate Assembly & Parts Used With

DA-39	2	Flat Oil Guard
DA-70	1	Armature Shaft Nut
DH-7	1	Felt Washer
DJ-9	1	Felt Washer
GAC-1012	2	Brush - Main
GAC-1013	1	Brush - Third
GAG-2002A)	1	Comm. End Plate Assy.
DJ-1016	1	Brush Holder Plate Assy.
DJ-18	2	Brush Holder
DJ-19	2	Brush Spring
DJ-1016A	1	Brush Holder Plate Part Assy.
8X-56	1	#8-32x7/16 Rd. Hd. Sc.
X-195	2	#8 Lock Washer
8X-304	1	#8-32x5/16 Rd. Hd. Sc.
DK-41	2	Brush Holder Plate Screw
DK-42	2	Spring
GAG-2A	1	Comm. End Plate
GAG-1017	1	3rd Brush Holder Plate Assembly
DJ-18	1	Brush Holder
DJ-19	1	Brush Spring
GAG-1017A	1	3rd Brush Holder Plate Part Assy.
8X-54	1	#8-32x1/2 Rd. Hd. Sc.
X-195	1	#8 Lock Washer
GJ-170	1	Felt Washer
GJ-171	1	Felt Washer Retainer
GX-3	1	Felt Guard
8X-59	1	#8-32x3/16 Rd. Hd. Screw
8X-119	7	#10-32x1/2 Fill. Hd. Screw
X-195	1	#8 Lock Washer
X-196	3	#10 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
8X-312	3	#10-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
X-544	7	#10 Lock Washer
X-842	1	Fuse - 5 Ampere
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAG-1166	1	Oil Thrower
GAP-2095	1	Armature Assembly
X-261	1	#6 Woodruff Key

Drive End Head Assembly & Parts Used With

GAG-1165	1	Drive End Head Assy.
GAG-165	1	Drive End Head
GAR-95	1	Felt Washer
GX-9	1	Drive End Packing Retainer
GX-10	1	Gasket
X-196	3	#10 Lock Washer
8X-311	3	#10-32x3/8 Rd. Hd. Screw
X-378	1	Ball Brg. - S.A.E. #204 Oil Seal
8X-119	4	#10-32x1/2 Fill. Hd. Screw
X-544	4	#10 Lock Washer

Dist. Mounting Housing & Parts Used With

GAG-58	1	Dist. Mounting Housing Clamp
GAG-101B	1	Dist. Mounting Housing
GE-25	1	Dist. Gear - Driver
GG-133	1	Dist. Drive Rivet
8X-53	1	#8-32x5/8 Rd. Hd. Screw
8X-141	1	#8-32 Hex. Nut
X-380	1	1/8 Grease Cup
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

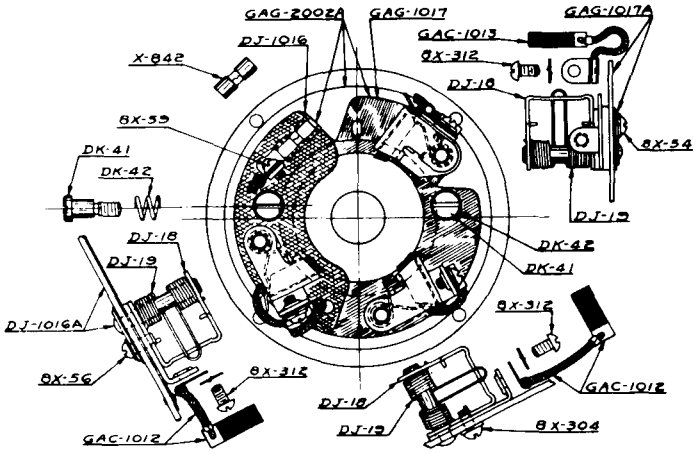
CB-4012	1	Circuit Breaker Assy.
CB-123	1	Armature Spring
CB-160	1	C.B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Screw
GY-1024	1	Head Band Assembly
X-196	2	#10 Lock Washer
8X-321	2	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

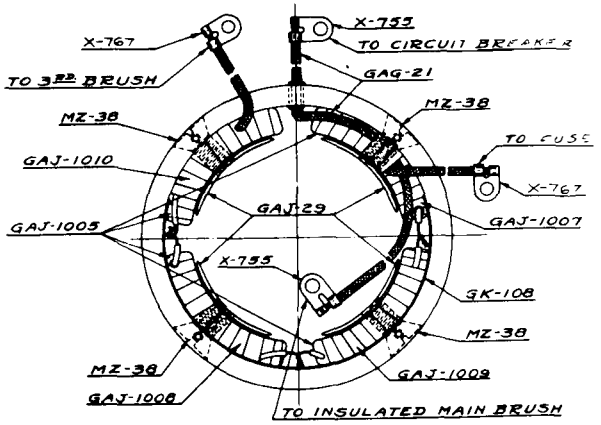
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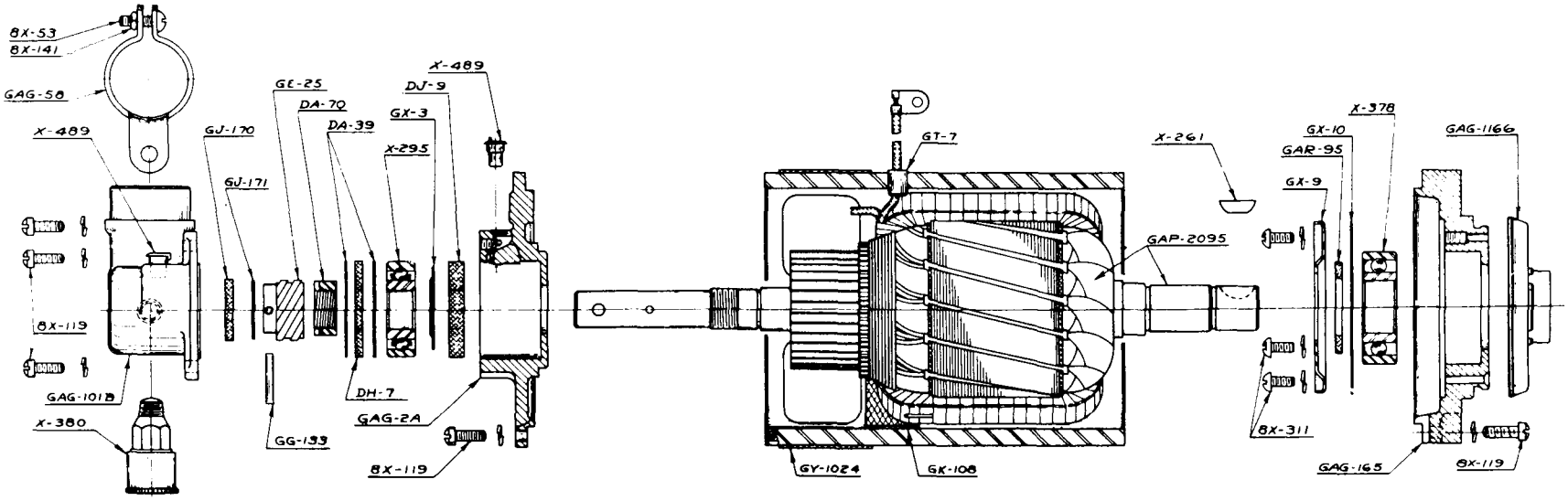
NOTE:- Use GAC-2012 brush set in servicing this unit.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GAP-4157 GENERATOR ILLUSTRATION







Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GAJ-2001)	1	Frame & Field Assembly
GAJ-29	4	Pole Piece
GAJ-1005	1	FIELD COIL ASSY.- Comp.
GAJ-1007	1	Field Coil Assy.-U.R.
GAG-21	1	Lead Assembly
X-755	1	Terminal
X-767	1	Terminal
GAJ-1008	1	Field Coil - L.L.
GAJ-1009	1	Field Coil - L.R.
GAJ-1010	1	Field Coil Assy.-U.L.
X-767	1	Terminal
GK-108	1	Field Connection Ins.
GT-7	1	Insulating Tube
MZ-38A	4	Pole Piece Screw
X-755	1	Terminal

Comm. End Plate Assy. & Parts Used With

DA-39	2	Flat Oil Guard
DA-70	1	Armature Shaft Nut
DH-7	1	Felt Washer
DJ-9	1	Felt Washer
GAC-1012‡	2	Brush - Main
GAC-1013‡	1	Brush - Third
(GAG-2002A)	1	Comm. End Plate Assembly
DJ-1016	1	Brush Holder Plate Assy.
DJ-18	2	Brush Holder
DJ-19	2	Brush Spring
DJ-1016A	1	Brush Holder Plate Part Assembly
8X-56	1	#8-32x7/16 Rd. Hd. Sc.
X-195	2	#8 Lock Washer
8X-304	1	#8-32x5/16 Rd. Hd. Sc.
DK-41	2	Brush Holder Plate Screw
DK-42	2	Spring
GAG-2A	1	Comm. End Plate
GAG-1017	1	3rd Br. Holder Plate Assembly
DJ-18	1	Brush Holder
DJ-19A	1	Brush Spring
GAG-1017A	1	3rd Br. Holder Plate Part Assembly
8X-54	1	#8-32x1/2 Rd. Hd. Sc.
X-195	1	#8 Lock Washer
GX-3	1	Felt Guard
8X-59	1	#8-32x3/16 Rd. Hd. Screw
8X-119	7	#10-32x1/2 Fill. Hd. Screw
X-195	1	#8 Lock Washer
X-196	3	#10 Lock Washer
X-295	1	BALL BEARING - S.A.E. #203
8X-312	3	#10-32x1/4 Rd. Hd. Screw
X-380	1	1/8 Grease Cup
X-489	1	1/4 Oiler - Press in Type
X-544	7	#10 Lock Washer
X-842	1	Fuse - 5 Amp.
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAG-1166	1	Oil Thrower
GAP-2115	1	ARMATURE ASSEMBLY
X-257	1	#2 Woodruff Key
X-261	1	#6 Woodruff Key

Drive End Head Assy. & Parts Used With

GAG-1165	1	Drive End Head Assembly
GAG-165	1	Drive End Head
GAR-95	1	Felt Washer
GX-9	1	D. E. Packing Retainer
GX-10	1	Gasket
X-196	3	#10 Lock Washer
8X-311	3	#10-32x3/8 Rd. Hd. Screw
X-378	1	BALL BRG. - S.A.E. #204 Oil Seal
8X-119	4	#10-32x1/2 Fill. Hd. Screw
X-544	4	#10 Lock Washer

Dist. Mounting Housing & Parts Used With

GAG-58	1	Dist. Mounting Housing Clamp
GAG-101	1	Dist. Mounting Housing
GE-25	1	Dist. Gear - Driver
GG-133	1	Dist. Drive Rivet
8X-53	1	#8-32x5/8 Rd. Hd. Screw
8X-141	1	#8-32 Hex. Nut
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

CB-4012	1	CIRCUIT BREAKER ASSEMBLY
CB-123	1	Armature Spring
CB-160S	1	C. B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Sc.
GY-1024	1	Head Band Assembly
X-196	2	#10 Lock Washer
8X-321	2	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

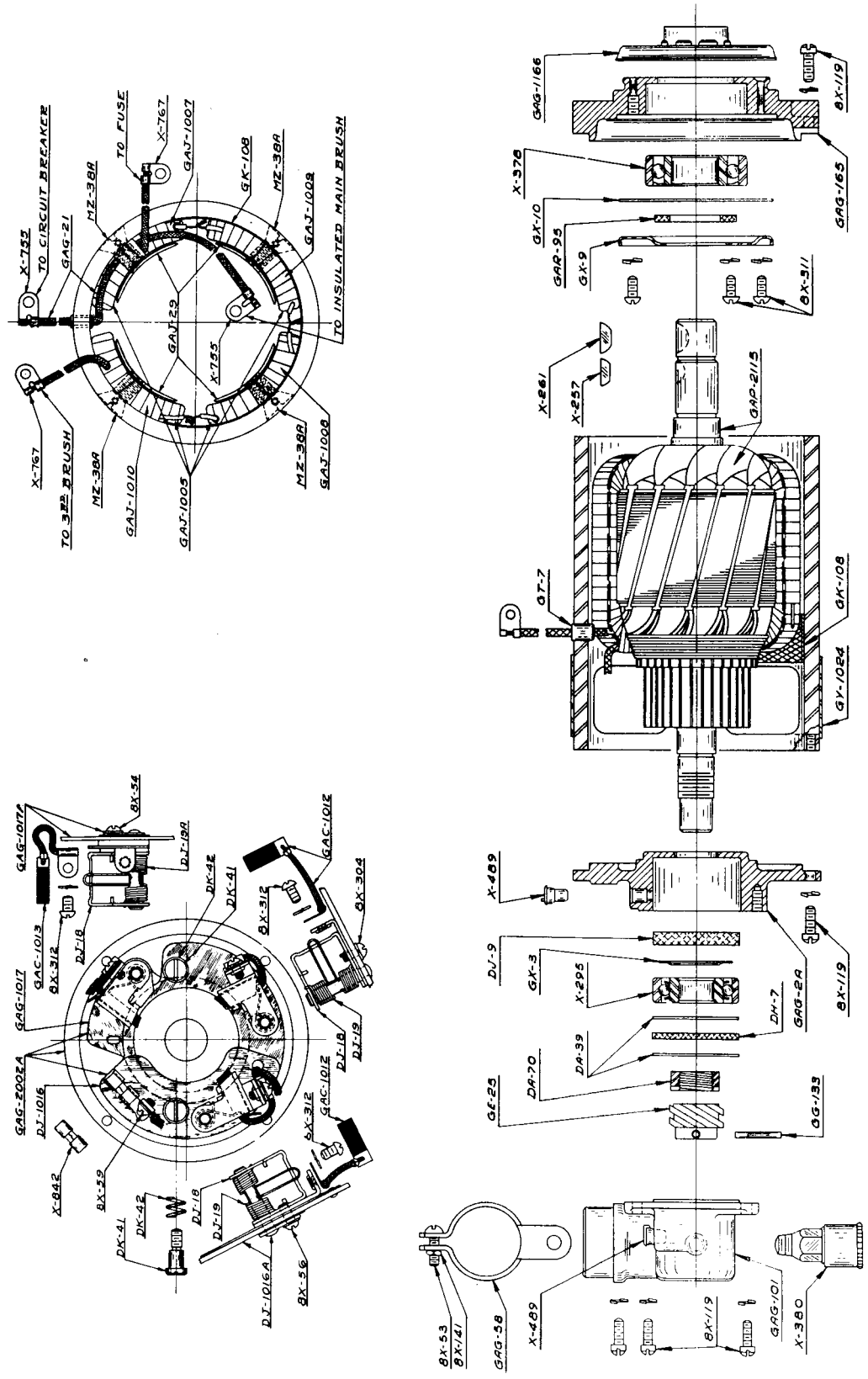
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‡ Service BRUSH SET GAC-2012.

UNIT	APPLICATION
GAP-4159	Universal Motor

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GAP-4159 GENERATOR ILLUSTRATION



GAR - COMMUTATOR END HEAD ASSEMBLIES

GAR-2217

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAR-2217	1	Comm. End Plate Assy.
GAR-73	1	Oil Wick
GAR-98A	1	Wick Cover
GAR-1014B	1	Third Brush Plate Assy.
GAR-219	1	Brush Arm
GAR-221	1	Brush Spring
GAR-1217A	1	Comm. End Plate Part Assy.
GAR-219	2	Brush Arm
GAR-221	2	Brush Spring
GBF-79	1	Absorbent Bronze Brg.
GBM-1012A	2	Brush - Main
GBM-1013A	1	Brush - Third
GBW-69	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GBW-1068	1	Comm. End Cap Cover
GCJ-51	1	Third Brush Plate Rtg.Spg.
12X-195	5	#8 Lockwasher
8X-305	1	#8-32x1/4 Rd. Hd. Screw
8X-311	1	#10-32x3/8 Rd. Hd. Screw
8X-888	4	#8-32x5/16 Fill. Hd. Sc.
		1 2 3 4 5

GAR-2224

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAR-2224	1	Comm. End Plate Assy.
GAR-73	1	Oil Wick
GAR-98A	1	Wick Cover
GAR-1014B	1	Third Brush Plate Assy.
GAR-219	1	Brush Arm
GAR-221	1	Brush Spring
GAR-1224A	1	Comm. End Plate Part Assy.
GAR-219	2	Brush Arm
GAR-221	2	Brush Spring
GBF-79	1	Absorbent Bronze Brg.
GBM-1012A	2	Brush - Main
GBM-1013A	1	Brush - Third
GBW-69	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GBW-1068	1	Comm. End Cap Cover
GCJ-51	1	Third Brush Plate Rtg. Spg.
12X-195	5	#8 Lockwasher
8X-305	1	#8-32x1/4 Rd. Hd. Screw
8X-311	1	#10-32x3/8 Rd. Hd. Screw
8X-888	4	#8-32x5/16 Fill. Hd. Sc.
		1 2 3 4 5

(Issued 8/25/38)

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File in
Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GAR TYPE GENERATORS

Name of Part	GAR-4302	GAR-4316	GAR-4502	GAR-4513	GAR-4515
Illustration	Fig. 1	Fig. 2	Fig. 1	Fig. 2	Fig. 3
ARMATURE ASSEMBLY	GAR-2006	GAR-3178	GAR-2006	GAR-2178	GAR-2048
Arm. Shaft Lock Washer (D.E.)	X-1018	X-205	X-1018	X-205	
Arm. Shaft Nut (D.E.)	GY-3	X-160	GY-3	X-160	X-156
Arm. Shaft Spacer (C.E.)	GAR-39	GAR-39	GAR-39	GAR-39	
Arm. Shaft Spacer (D.E.)		GAL-142		GAL-148	
Armature Snap Ring	GAR-171	GAR-171	GAR-171	GAR-171	GAR-171
BEARING C. E.	X-295	X-295	X-295	X-295	X-295
BEARING D. E.	X-441	X-295	X-441	X-295	GT-94
Bearing Spacer					GAJ-79
BRUSH SET	GAL-2012	GAL-2012	GAL-2012	GAL-2012	GAL-2012
C. B. Mounting Lock Washer	X-196	X-196	X-196	X-196	X-196
C. B. Mounting Screw	8X-321	8X-321	8X-321	8X-321	8X-321
C. E. Cover	GAG-53	GAG-53	GAG-53	GAG-53	DJ-4
C. E. Cover Gasket	DJ-10	DJ-10	DJ-10	DJ-10	DJ-10
CIRCUIT BREAKER	CB-4014	CB-4014	CB-4014	CB-4014	CB-4012
Comm. End Plate Assy. *	(GAL-2206)	(GAL-3235)	(GAR-2206B)	(GAR-2206C)	(GAR-2206B)
Cotter Pin					X-404
Cover Holding Lock Washer	X-544	X-544	X-544	X-544	X-544
Cover Holding Screw	8X-870	8X-870	8X-870	8X-870	8X-870
Drive End Head Assembly ‡	GAL-1109A	GAM-1003	GAL-1109A	GAM-1003	GAL-1149
Escutcheon Pin					X-1040
Felt Washer	GR-35	GR-35	GR-35	GR-35	GR-35
Felt Washer Retainer	GR-32	GR-32	GR-32	GR-32	GR-32
Felt Wick					GT-97
FIELD COIL ASSEMBLY	GAL-1005S	GAL-1005S	GAL-1005S	GAL-1005S	GAL-1005S
Frame & Field Assembly †	(GAR-2034)	(GAR-3057)	(GAR-2067)	(GAR-2179)	(GAR-2055)
Frame Screw	MW-20A	GAL-20	MW-20A	GAL-20	MW-20A
Frame Screw Lock Washer	X-199	X-199	X-199	X-199	X-199
Frame Screw Nut		X-152		X-152	
Fuse	X-842	X-842	X-842	X-842	X-842
Fuse Cover			GAL-225		GAL-225
Fuse Holder	GAR-1031	GAR-1031		GAR-1031	
Fuse Holder Mtg. Screw	8X-78	8X-78		8X-78	
Fuse Lead Screw	8X-59	8X-59		8X-59	
Fuse Lead Screw Lock Washer	X-195	X-195		X-195	
Head Band Assembly	GAL-1024	GAL-1024	GAL-1024	GAL-1024	GAL-1024
Head Band Nut	8X-794	8X-794	8X-794	8X-794	8X-794
Head Band Screw	X-715	X-715	X-715	X-715	X-715
Lock Spring Ring	GAA-69	GAA-69	GAA-69	GAA-69	GAA-69
Oiler	X-489	X-489	X-489	X-489	X-489
Oil Guard	DA-39	DA-39	DA-39	DA-39	DA-39
Oil Thrower	GG-238		GG-238		
Plain Washer	MF-80	X-360	MF-80	X-360	GK-174
Woodruff Key (D. E.)		X-261		X-261	X-263

* See pages 15 to 18 of this section for complete list of C.E. Plate sub parts.
‡ See pages 19 & 20 of this section for complete list of Drive End sub parts.
† See pages 21 to 23 of this section for complete list of Frame & Field sub parts.

UNIT	USED ON
GAR-4302	Brockway
GAR-4316	Gray Marine
GAR-4502	Brockway
GAR-4513	Brockway
GAR-4515	Diamond T

(Issued 5-2-41)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

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Name of Part	GAR-4518	GAR-4520	GAR-4521	GAR-4522	GAR-4524
Illustration	Fig. 4	Fig. 5	Fig. 4	Fig. 6	Fig. 6
ARMATURE ASSEMBLY	GAR-3239	GAR-3073	GAR-3239	GAR-2097	GAR-2097
Arm. Shaft Lock Washer (D.E.)	X-205		X-205		
Arm. Shaft Nut (C.E.)	DA-70		DA-70		
Arm. Shaft Nut (D.E.)	X-160		X-160	X-156	X-156
Arm. Shaft Spacer (D.E.)	GAL-142	GJ-104	GAL-142		
Armature Snap Ring	GAR-171	GAR-171	GAR-171	GAR-171	GAR-171
BEARING C. E.	X-295		X-295	X-295	X-295
BEARING D. E.	X-295	X-295	X-295	X-378	X-378
Bearing Spacer				GAJ-79	GAJ-79
BRUSH SET	GAL-2012	GAL-2012	GAL-2012	GAL-2012	GAL-2012
C. B. Mounting Lock Washer	X-196	X-196	X-196	X-196	X-196
C. B. Mounting Screw	8X-321	8X-321	8X-321	8X-321	8X-321
C. E. Cover	GW-19		GW-19	DJ-4	DJ-4
C. E. Cover Gasket				DJ-10	DJ-10
CIRCUIT BREAKER	CB-4014	CB-4014	CB-4014	CB-4012	CB-4012
Comm. End Plate Assy. *	(GAR-3235)	(GAR-3228A)	(GAR-2206B)	(GAR-2206B)	(GAR-2206B)
Cotter Pin				X-404	X-404
Cover Holding Lock Washer				X-544	X-544
Cover Holding Screw				8X-870	8X-870
Dowel Pin Screw	GAG-116		GAG-116		
Drive End Head Assembly ‡	GAM-1003	GAL-1063	GAM-1003	GAR-1096	GAR-1096
Drive Rivet	IG-86		IG-86		
Drive Rivet	GG-133		GG-133		
Felt Washer - Inner	GR-35		GR-35	GR-35	GR-35
Felt Washer - Outer	GR-73		GR-73		
Felt Washer Retainer	GR-32		GR-32	GR-32	GR-32
FIELD COIL ASSEMBLY	GAL-1005S	GAL-1005S	GAL-1005S	GAL-1005S	GAL-1005S
Frame & Field Assembly †	(GAR-3057)	(GAR-3054)	(GAR-2179)	(GAR-2055)	(GAR-2070)
Frame Screw	GAL-20	MW-20A	GAL-20	MW-20A	MW-20A
Frame Screw Lock Washer	X-199	X-199	X-199	X-199	X-199
Frame Screw Nut	X-152		X-152		
Fuse	X-842	X-842	X-842	X-842	X-842
Fuse Cover		GAL-225		GAL-225	GAL-225
Fuse Holder	GAR-1031		GAR-1031		
Fuse Holder Mtg. Screw	8X-78		8X-78		
Fuse Lead Screw	8X-59		8X-59		
Fuse Lead Screw Lock Washer	X-195		X-195		
Gear	GE-11		GE-43		
Grease Cup	X-380	GAL-46	X-380		
Head Band Assembly	GAL-1024	GAL-1024B	GAL-1024	GAL-1024	GAL-1024
Head Band Nut	8X-794	8X-794	8X-794	8X-794	8X-794
Head Band Screw	X-715	8X-308	X-715	X-715	X-715
Lock Spring Ring				GAA-69	GAA-69
Oiler	X-489	X-489	X-489	X-489	X-489
Oil Guard	DA-39		DA-39	DA-39	DA-39
Oil Thrower				GAG-1150	GAG-1150
Plain Washer	X-360		X-360	GK-174	X-358
Tachometer Felt Washer	GAL-91		GAL-91		
Tach. Felt Washer Retainer	GAL-92		GAL-92		
Tachometer Housing	GAR-1059		GAR-1059		
Tach. Housing Gasket	GAR-65		GAR-65		
Tach. Housing Lock Washer	X-544		X-544		
Tach. Housing Screw	8X-119		8X-119		
Tach. Shaft Assembly	GAR-1060S		GAR-1060A		
Thrust Washer	IG-90	GAL-50	IG-90		
Wick & Spring Assembly		GAL-1115			
Woodruff Key (D.E.)	X-261	X-264	X-261	X-263	X-263

* See pages 15 to 18 of this section for complete list of C.E. Plate sub parts.
‡ See pages 19 & 20 of this section for complete list of Drive End sub parts.
† See pages 21 to 23 of this section for complete list of Frame & Field sub parts.

UNIT	USED ON
GAR-4518	Gray Marine
GAR-4520	Allis Chalmers
GAR-4521	Gray Marine
GAR-4522	Moreland, Diamond T
GAR-4524	Hercules

(Issued 5-2-41)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Name of Part	GAR-4525	GAR-4526	GAR-4527	GAR-4534	GAR-4535
Illustration	Fig. 7	Fig. 6	Fig. 6	Fig. 8	Fig. 9
ARMATURE ASSEMBLY	GAR-2103	GAR-2106	GAR-2106	GAR-2125	GAR-2258
Arm. Shaft Lock Washer (D.E.)					X-205
Arm. Shaft Nut (D.E.)	X-157	X-157	X-157		X-160
Arm. Shaft Spacer (D.E.)					GJ-104
Armature Snap Ring	GAR-171	GAR-171	GAR-171	GAR-171	GAR-171
BEARING C. E.	X-295	X-295	X-295	X-295	X-295
BEARING D. E.	X-378	X-378	X-378	X-441	X-295
Bearing Spacer	GAJ-79	GAJ-79	GAJ-79	GAJ-79	GAJ-79
BRUSH SET	GAL-2012	GAL-2012	GAL-2012	GAL-2012	GAL-2012
C. B. Mounting Lock Washer	X-196	X-196	X-196	X-196	X-196
C. B. Mounting Screw	8X-321	8X-321	8X-321	8X-321	8X-321
C. E. Cover	DJ-4	DJ-4	DJ-4	DJ-4	DJ-4
C. E. Cover Gasket	DJ-10	DJ-10	DJ-10	DJ-10	DJ-10
CIRCUIT BREAKER	CB-4014	CB-4014	CB-4014	CB-4014	CB-4014
Comm. End Plate Assy. *	(GAR-2206B)	(GAR-2206B)	(GAR-3235)	(GAR-2206B)	(GAR-2206B)
Cotter Pin	X-404	X-404	X-404		
Cover Holding Lock Washer	X-544	X-544	X-544	X-544	X-544
Cover Holding Screw	8X-870	8X-870	8X-870	8X-870	8X-870
Drive End Head Assembly ‡	GAR-1104	GAR-1105	GAR-1105	GAR-1126A	GAL-1063
Felt Washer	GR-35	GR-35	GR-35	GR-35	GR-35
Felt Washer Retainer	GR-32	GR-32	GR-32	GR-32	GR-32
FIELD COIL ASSEMBLY	GAL-1005S	GAL-1005S	GAL-1005S	GAL-1005S	GAL-1005S
Frame & Field Assembly †	(GAR-2054)	(GAR-2054)	(GAR-3054)	(GAR-2054)	(GAR-2128)
Frame Screw	MW-20A	MW-20A	MW-20A	MW-20A	MW-20A
Frame Screw Lock Washer	X-199	X-199	X-199	X-199	X-199
Fuse	X-842	X-842	X-842	X-842	X-842
Fuse Cover	GAL-225	GAL-225	GAL-225	GAL-225	GAL-225
Head Band Assembly	GAL-1024	GAL-1024	GAL-1024	GAL-1024	GAL-1024
Head Band Nut	8X-794	8X-794	8X-794	8X-794	8X-794
Head Band Screw	X-715	X-715	X-715	X-715	X-715
Lock Spring Ring	GAA-69	GAA-69	GAA-69	GAA-69	GAA-69
Oiler	X-489	X-489	X-489	X-489	X-489
Oil Guard	DA-39	DA-39	DA-39	DA-39	DA-39
Oil Thrower	GAE-1046	GAG-1150	GAG-1150	GG-238	
Plain Washer	X-358	X-358	X-358		GJ-179
Woodruff Key (D.E.)	X-263	X-263	X-263		X-261

* See pages 15 to 18 of this section for complete list of C.E. Plate sub parts.
‡ See pages 19 & 20 of this section for complete list of Drive End sub parts.
† See pages 21 to 23 of this section for complete list of Frame & Field sub parts.

UNIT	USED ON
GAR-4525	Hercules, White
GAR-4526	Byers Machine
GAR-4527	Allis Chalmers
GAR-4534	Continental Motor
GAR-4535	Bay City, Gray Marine

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

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GAR TYPE GENERATORS

Name of Part	GAR-4536	GAR-4537	GAR-4540	GAR-4541	GAR-4542
Illustration	Fig. 9	Fig. 8	Fig. 10	Fig. 6	Fig. 6
ARMATURE ASSEMBLY	GAR-2258	GAR-2127	GAR-2172	GAR-2106	GAR-2106
Arm. Shaft Lock Washer (D.E.)	X-205	X-1018			
Arm. Shaft Nut (D.E.)	X-160	GY-3	X-1150	X-157	X-157
Arm. Shaft Spacer (D.E.)	GJ-104				
Armature Snap Ring	GAR-171	GAR-171		GAR-171	GAR-171
BEARING C. E.	X-295	X-295		X-295	X-295
BEARING D. E.	X-295	X-441	X-378	X-378	X-378
Bearing Spacer	GAJ-79			GAJ-79	GAJ-79
BRUSH SET	GAL-2012	GAL-2012	GAL-2012	GAL-2012	GAL-2012
C. B. Mounting Lock Washer	X-196	X-196	X-196	X-196	X-196
C. B. Mounting Screw	8X-321	8X-321	8X-321	8X-321	8X-321
C. E. Cover	DJ-4	DJ-4		DJ-4	DJ-4
C. E. Cover Gasket	DJ-10	DJ-10		DJ-10	DJ-10
CIRCUIT BREAKER	CB-4014	CB-4014	CB-4014	CB-4014	CB-4014
Comm. End Plate Assy. *	(GAR-3235)	(GAR-2206B)	(GAR-2207)	(GAR-2206B)	(GAR-3235)
Cotter Pin				X-404	X-404
Cover Holding Lock Washer	X-544	X-544		X-544	X-544
Cover Holding Screw	8X-870	8X-870		8X-870	8X-870
Dist. Housing Clamp			GAG-58		
Dist. Housing Clamp Nut			8X-141		
Dist. Housing Clamp Screw			8X-53		
Dist. Housing Grease Cup			X-380		
Dist. Housing Lock Washer			X-544		
Dist. Housing Screw			8X-900		
Dist. Mounting Housing			GT-121B		
Drive End Head Assembly ‡	GAL-1063	GAR-1126A	GAR-1173	GAR-1105	GAR-1105
Drive Rivet			GG-133		
Felt Washer	GR-35	GR-35	GJ-170	GR-35	GR-35
Felt Washer Retainer	GR-32	GR-32	GJ-171	GR-32	GR-32
FIELD COIL ASSEMBLY	GAL-1005S	GAL-1005S	GAL-1005S	GAL-1005S	GAL-1005S
Frame & Field Assembly †	(GAR-3128)	(GAR-2054)	(GAR-2054)	(GAR-2174)	(GAR-3054)
Frame Screw	MW-20A	MW-20A	MW-20A	MW-20A	MW-20A
Frame Screw Lock Washer	X-199	X-199	X-199	X-199	X-199
Fuse	X-842	X-842	X-842	X-842	X-842
Fuse Cover	GAL-225	GAL-225	GAL-225	GAL-225	GAL-225
Gear			GE-46		
Grease Cup			GAL-46		
Head Band Assembly	GAL-1024	GAL-1024	GAL-1024	GAL-1024B	GAL-1024B
Head Band Nut	8X-794	8X-794	8X-794	8X-794	8X-794
Head Band Screw	X-715	X-715	X-715	8X-308	8X-308
Lock Spring Ring	GAA-69	GAA-69		GAA-69	GAA-69
Oiler	X-489	X-489	X-489	X-489	X-489
Oil Guard	DA-39	DA-39		DA-39	DA-39
Oil Thrower		GG-238	GAG-1150	GAG-1150	GAG-1150
Plain Washer	GJ-179	MF-80	GK-174	X-358	X-358
Wick & Spring Assembly			GAL-1115		
Woodruff Key (D.E.)	X-261		X-263	X-263	X-263

* See pages 15 to 18 of this section for complete list of C.E. Plate sub parts.
‡ See pages 19 & 20 of this section for complete list of Drive End sub parts.
† See pages 21 to 23 of this section for complete list of Frame & Field sub parts.

UNIT	USED ON
GAR-4536	Palmer, Continental
GAR-4537	Continental
GAR-4540	Lycoming
GAR-4541	Allis Chalmers
GAR-4542	Allis Chalmers

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

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Name of Part	GAR-4543	GAR-4545	GAR-4546	GAR-4547	GAR-4548
Illustration	Fig. 6	Fig. 6	Fig. 9	Fig. 9	Fig. 11
ARMATURE ASSEMBLY	GAR-2097	GAR-2097	GAR-2258	GAR-2305	GAR-2097
Arm. Shaft Lock Washer (D.E.)			X-205	X-864	
Arm. Shaft Nut (D.E.)	X-156	X-156	X-160	GBM-21	X-156
Arm. Shaft Spacer (D.E.)			GJ-104	GJ-104	GAL-310
Armature Snap Ring	GAR-171	GAR-171	GAR-171	GAR-171	GAR-171
BEARING C.E.	X-295	X-295	X-295	X-295	X-295
BEARING D.E.	X-378	X-378	X-295	X-295	X-298
Bearing Spacer	GAJ-79	GAJ-79	GAJ-79	GAJ-79	GAJ-79
BRUSH SET	GAL-2012	GAL-2012	GAL-2012	GAL-2012	GAL-2012
C. B. or Reg. Mtg. Lock Washer	X-196	X-196	X-196	X-196	X-196
C. B. or Reg. Mtg. Screw	8X-321	8X-321	8X-321	8X-321	8X-321
C. E. Cover	DJ-4	DJ-4	DJ-4	DJ-4	DJ-4
C. E. Cover Gasket	DJ-10	DJ-10	DJ-10	DJ-10	DJ-10
CIRCUIT BREAKER	CB-4012	CB-4012	CB-4014	CB-4014	
Comm. End Plate Assy. *	(GAR-2206B)	(GAR-2206B)	(GAR-3235)	(GAR-2206B)	(GAR-3235)
Cotter Pin	X-404	X-404			X-404
Cover Holding Lock Washer	X-544	X-544	X-544	X-544	X-544
Cover Holding Screw	8X-870	8X-870	8X-870	8X-870	8X-870
Drive End Head Assembly ‡	GAR-1096	GAR-1096	GAL-1063	GAL-1063	GAL-1306
Felt Washer	GR-35	GR-35	GR-35	GR-35	GR-35
Felt Washer Retainer	GR-32	GR-32	GR-32	GR-32	GR-32
FIELD COIL ASSEMBLY	GAL-1005S	GAL-1005S	GAL-1005S	GAL-1005S	GAL-1005S
Frame & Field Assembly †	(GAR-2055)	(GAR-2070)	(GAR-3128A)	(GAR-2304)	(GAR-3309)
Frame Screw	MW-20A	MW-20A	MW-20A	MW-20A	MW-20A
Frame Screw Lock Washer	X-199	X-199	X-199	X-199	X-199
Fuse	X-842	X-842	X-842	X-842	
Fuse Cover	GAL-225	GAL-225	GAL-225	GAL-225	
Head Band Assembly	GAL-1024	GAL-1024	GAL-1024	GAL-1024	GAL-1024
Head Band Nut	8X-794	8X-794	8X-794	8X-794	8X-794
Head Band Screw	X-715	X-715	X-715	X-715	X-715
Lock Spring Ring	GAA-69	GAA-69	GAA-69	GAA-69	GAA-69
Oiler	X-489	X-489	X-489	X-489	X-489
Oil Guard	DA-39	DA-39	DA-39	DA-39	DA-39
Oil Thrower	GAR-1177	GAR-1177			
Plain Washer	GK-174	X-358	GJ-179		GK-174
REGULATOR					TC-4302A
Woodruff Key (D.E.)	X-263	X-263	X-261	X-260	X-263

* See pages 15 to 18 of this section for complete list of C.E. Plate sub parts.
‡ See pages 19 & 20 of this section for complete list of Drive End sub parts.
† See pages 21 to 23 of this section for complete list of Frame & Field sub parts.

UNIT	USED ON
GAR-4543	Diamond T
GAR-4545	Climax, Hercules
GAR-4546	Hercules
GAR-4547	Waukesha
GAR-4548	Chris Craft

(Issued 5-2-41)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

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Name of Part	GAR-4549	GAR-4550	GAR-4551	GAR-4554	GAR-4555
Illustration	Fig. 9	Fig. 11	Fig. 11	Fig. 12	Fig. 13
ARMATURE ASSEMBLY	GAR-2258	GAR-2097	GAR-2097	GAR-3197	GAR-2097
Arm. Shaft Lock Washer (D.E.)	X-205				
Arm. Shaft Nut (C.E.)				DA-70	
Arm. Shaft Nut (D.E.)	X-160	X-156	X-156	X-156	X-156
Arm. Shaft Spacer (D.E.)	GJ-104	GAL-310	GAL-310		
Armature Snap Ring	GAR-171	GAR-171	GAR-171	GAR-171	GAR-171
BEARING C. E.	X-295	X-295	X-295	X-295	X-295
BEARING D. E.	X-295	X-298	X-298	X-378	X-378
Bearing Spacer	GAJ-79	GAJ-79	GAJ-79		GAJ-79
BRUSH SET	GAL-2012	GAL-2012	GAL-2012	GAL-2012	GAL-2012
C.B. or Reg. Mtg. Lock Washer	X-196	X-196	X-196	X-196	X-196
C.B. or Reg. Mtg. Screw	8X-321	8X-321	8X-321	8X-321	8X-321
C. E. Cover	DJ-4	DJ-4	DJ-4		DJ-4
C. E. Cover Gasket	DJ-10	DJ-10	DJ-10		DJ-10
CIRCUIT BREAKER	CB-4014			CB-4014	
Comm. End Plate Assy. *	(GAR-2206B)	(GAR-2206D)	(GAR-3235A)	(GAR-2206B)	(GAR-2206B)
Cotter Pin		X-404	X-404	X-404	X-404
Cover Holding Lock Washer	X-544	X-544	X-544		X-544
Cover Holding Screw	8X-870	8X-870	8X-870		8X-870
Dist. Housing Clamp				GAG-58	
Dist. Housing Clamp Nut				8X-141	
Dist. Housing Clamp Screw				8X-53	
Dist. Housing Grease Cup				X-380	
Dist. Housing Lock Washer				X-544	
Dist. Housing Screw				8X-119	
Dist. Mounting Housing				GAG-101	
Drive End Head Assembly ‡	GAL-1063	GAL-1306A	GAL-1306A	GAR-1196	GAR-1096
Drive Rivet				GG-133	
Felt Washer - Inner	GR-35	GR-35	GR-35	GR-35	GR-35
Felt Washer - Outer				GR-73	
Felt Washer Retainer	GR-32	GR-32	GR-32	GR-32	GR-32
FIELD COIL ASSEMBLY	GAL-1005S	GAL-1005S	GAL-1005S	GAL-1005S	GAL-1005S
Frame & Field Assembly †	(GAR-2128A)	(GAR-2122A)	(GAR-2122B)	(GAR-2111)	(GAR-2121)
Frame Screw	MW-20A	MW-20A	MW-20A	MW-20A	MW-20A
Frame Screw Lock Washer	X-199	X-199	X-199	X-199	X-199
Fuse	X-842			X-842	
Fuse Cover	GAL-225			GAL-225	
Gear				GE-19	
Head Band Assembly	GAL-1024	GAL-1024	GAL-1024	GAL-1024	GAL-1024
Head Band Nut	8X-794	8X-794	8X-794	8X-794	8X-794
Head Band Screw	X-715	X-715	X-715	X-715	X-715
Lock Spring Ring	GAA-69	GAA-69	GAA-69		GAA-69
Oiler	X-489	X-489	X-489	X-489	X-489
Oil Guard	DA-39	DA-39	DA-39	DA-39	DA-39
Oil Thrower				GAR-1177	GAR-1177
Plain Washer	GJ-179	GK-174	GK-174	GK-174	GK-174
REGULATOR		TC-4302A	TC-4302A		TC-4302A
Woodruff Key (D.E.)	X-261	X-263	X-263	X-263	X-263

* See pages 15 to 18 of this section for complete list of C.E. Plate sub parts.
‡ See pages 19 & 20 of this section for complete list of Drive End sub parts.
† See pages 21 to 23 of this section for complete list of Frame & Field sub parts.

UNIT	USED ON
GAR-4549	Kermath
GAR-4550	Chris Craft
GAR-4551	Chris Craft
GAR-4554	Insley
GAR-4555	Hercules

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Name of Part	GAR-4601	GAR-4603,A	GAR-4605	GAR-4606	GAR-4607
Illustration	Fig. 14	Fig. 15	Fig. 16	Fig. 16	Fig. 17
Air Deflector					GAR-82
Air Deflector Screw					X-62
ARMATURE ASSEMBLY	GAR-2214	GAR-2077	GAR-2089	GAR-2089	GAR-2109
Arm. Shaft Lock Washer (C.E.)					X-204
Arm. Shaft Lock Washer (D.E.)		X-864	X-864	X-1280	
Arm. Shaft Nut (C.E.)	DA-70				GBM-21
Arm. Shaft Nut (D.E.)		GBM-21	GBM-21	GBM-21	X-156
Arm. Shaft Spacer (D.E.)	GAR-159		GAM-90		
Armature Snap Ring	GAR-171	GAR-171	GAR-171	GAR-171	GAR-171
BEARING C. E.	X-295		X-295	X-295	X-295
BEARING D. E.	X-295	X-295	X-295	X-295	X-378
Bearing Retaining Lock Washer			X-199	X-199	
Bearing Retaining Screw			DA-60	DA-60	
Bearing Retaining Washer			DA-22	DA-22	
Brush Lead Lock Washer	X-195	X-195	X-195	X-195	X-195
Brush Lead Screw	8X-305	8X-305	8X-305	8X-305	8X-305
BRUSH SET	GBM-2012AS	GBM-2012AS	GBM-2012AS	GBM-2012AS	GBM-2012AS
C.B. or Reg. Mtg. Lock Washer	X-196	X-196	X-196	X-196	X-196
C.B. or Reg. Mtg. Screw	8X-321	8X-321	8X-321	8X-321	8X-321
C. E. Cover	GAG-53		GBJ-32	GBJ-32	GAR-83
C. E. Cover Gasket	DJ-10		GBJ-25	GBJ-25	GBJ-25
CIRCUIT BREAKER	CB-4014	CB-4021	CB-4021	CB-4021	CB-4012
Comm. End Plate Assy. *	(GAL-2213A)	(GAR-2071)	(GAR-2091)	(GAR-2091)	(GAR-2081)
Connector			GAR-1092	GAR-1092	
Cotter Pin					X-404
Cover Holding Lock Washer	X-544		X-544	X-544	
Cover Holding Screw	8X-870		8X-870	8X-870	X-62
Drive End Head Assembly ‡	GAR-1062B	GAR-1076	GBJ-1003D	GBJ-1003D	GAR-1096
Drive Pulley		+		SP-135	
Fan					SP-96C
Felt Washer - Inner	GR-35		GAB-188	GAB-188	GAB-188
Felt Washer - Outer	GR-35				DA-132
Felt Washer Retainer	GR-32		GR-32	GR-32	GR-32
FIELD COIL ASSEMBLY	GAL-1005S	GAL-1005S	GAL-1005S	GAL-1005S	GAL-1005S
Frame & Field Assembly †	(GAR-2052)	(GAR-2054A)	(GAR-2090)	(GAR-2094)	(GAR-2084)
Frame Screw	MW-20A	MW-20A	MW-20A	MW-20A	MW-20A
Frame Screw Lock Washer	X-199	X-199	X-199	X-199	X-199
Fuse	X-842	X-842			X-842
Fuse Cover	GAL-225	GAL-225			GAL-225
Head Band Assembly	GAL-1024	GAL-1024	GAL-1024	GAL-1024	GAL-1024
Head Band Nut	8X-794	8X-794	8X-794	8X-794	8X-794
Head Band Screw	X-715	X-715	X-715	X-715	X-715
Oiler	X-489		X-489	X-489	X-489
Oil Guard	DA-39		DA-39	DA-39	DA-39
Oil Thrower					GAG-1150
Plain Washer					GK-174
REGULATOR			TC-4309A	TC-4309A	
Woodruff Key (C.E.)					X-258
Woodruff Key (D.E.)	X-264B	X-260	X-260	X-260	X-263

* See pages 15 to 18 of this section for complete list of C.E. Plate sub parts.
‡ See pages 19 & 20 of this section for complete list of Drive End sub parts.
† See pages 21 to 23 of this section for complete list of frame & Field sub parts.

Assembly No.	Drive Pulley
GAR-4603	SP-134
GAR-4603A	SP-158

UNIT	USED ON
GAR-4601	Nash
GAR-4603,A	Auburn
GAR-4605	Studebaker
GAR-4606	Hupp
GAR-4607	Diamond T, White

(Issued 5-2-41)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Name of Part	GAR-4608, A to H	GAR-4609, A,B	GAR-4610	GAR-4611 A	GAR-4612
Illustration	Fig. 15	Fig. 15	Fig. 17	Fig. 15	Fig. 18
Air Deflector			GAR-82		
Air Deflector Screw			X-62		
ARMATURE ASSEMBLY	GAR-2116F	GAR-2116F	GAR-2109	GAR-2116F	GAR-2135
Arm. Shaft Lock Washer (C.E.)			X-204		
Arm. Shaft Lock Washer (D.E.)	X-864	X-864		X-864	
Arm. Shaft Nut (C.E.)			GBM-21		DA-70
Arm. Shaft Nut (D.E.)	GBM-21	GBM-21	X-156	GBM-21	
Arm. Shaft Spacer (D.E.)		+			
Armature Snap Ring	GAR-171	GAR-171	GAR-171	GAR-171	GAR-171
BEARING C. E.			X-295		X-295
BEARING D. E.	X-295	X-295	X-378	X-295	X-295
Brush Lead Lock Washer	X-195	X-195	X-195	X-195	X-195
Brush Lead Screw	8X-305	8X-305	8X-305	8X-305	8X-305
BRUSH SET	GBM-2012AS	GBM-2012AS	GBM-2012AS	GBM-2012AS	GBM-2012AS
C.B. or Reg. Mtg. Lock Washer	X-1270	X-196	X-196	X-1270	X-196
C.B. or Reg. Mtg. Screw	8X-321	8X-321	8X-321	8X-321	8X-321
C. E. Cover			GAR-83		GAG-53
C. E. Cover Gasket			GBJ-25		DJ-10
Comm. End Plate Assy. *	(GAR-2115E)	(GAR-2115E)	(GAR-2081)	(GAR-2115E)	(GAL-2213A)
Cotter Pin			X-404		
Cover Holding Lock Washer					X-544
Cover Holding Screw			X-62		8X-870
Drive End Head Assembly ‡	GBJ-1003C	GBJ-1003C	GAR-1096	GBJ-1003D	GAR-1062B
Drive Pulley	+	+		+	
Fan			SP-96C		SP-96C
Felt Washer - Inner			GAB-188		GR-35
Felt Washer - Outer			DA-132		GR-35
Felt Washer Retainer (C.E.)			GR-32		GR-32
Felt Washer Retainer (D.E.)	GR-32	GR-32		GR-32	GR-32
FIELD COIL ASSEMBLY	GAL-1005S	GAL-1005S	GAL-1005S	GAL-1005S	GAL-1005S
Frame & Field Assembly †	(GAR-2117)	(GAR-2122)	(GAR-2132)	(GAR-2134)	(GAR-2136)
Frame Screw	MW-20A	MW-20A	MW-20A	MW-20A	MW-20A
Frame Screw Lock Washer	12X-199	X-199	X-199	X-199	X-199
Head Band Assembly	GBM-24	GAL-1024	GAL-1024	GAL-1024C	GAL-1024
Head Band Nut	8X-794	8X-794	8X-794	8X-794	8X-794
Head Band Screw	8X-715	X-714	X-715	8X-715	X-715
Oiler			X-489		X-489
Oil Guard			DA-39		DA-39
Oil Thrower			GAG-1150		
Plain Washer			GK-174		
REGULATOR	TC-4301A	TC-4302A	TC-4302A	TC-4302A	TC-4302A
Woodruff Key (C.E.)			X-258		X-261
Woodruff Key (D.E.)	X-260	X-260	X-263	X-260	X-261
Woodruff Key (D.E.)					X-258

* See pages 15 to 18 of this section for complete list of C.E. Plate sub parts.
‡ See pages 19 & 20 of this section for complete list of Drive End sub parts.
† See pages 21 to 23 of this section for complete list of Frame & Field sub parts.

Assembly No.	Drive Pulley	Assembly No.	Drive Pulley	Spacer
GAR-4608	SP-153	GAR-4609	None	GAM-90
GAR-4608A	SP-157	GAR-4609A	SP-1182	None
GAR-4608B	SP-152	GAR-4609B	SP-190	None
GAR-4608C	SP-161	GAR-4611	SP-156	
GAR-4608D	SP-162	GAR-4611A	SP-185	
GAR-4608E	SP-1174			
GAR-4608F	SP-1220			
GAR-4608H	None			

UNIT	USED ON
GAR-4608,A,B, C.D.E,F,H	Chrysler Corp.
GAR-4609.A,B	Studebaker
GAR-4610	Diamond T
GAR-4611,A	Packard
GAR-4612	Gray Marine

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

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Name of Part	GAR-4613	GAR-4614	GAR-4616	GAR-4617	GAR-4618
Illustration	Fig. 17	Fig. 19	Fig. 20	Fig. 21	Fig. 14
Air Deflector	GAR-82	GAR-82		GAR-82	
Air Deflector Screw	X-62	X-62		X-62	
ARMATURE ASSEMBLY	GAR-2138	GAR-2140	GAR-2151	GAR-2154	GAR-2155
Arm. Shaft Lock Washer (C.E.)	X-204	X-204		X-204	
Arm. Shaft Lock Washer (D.E.)			X-205	X-1018	
Arm. Shaft Nut (C.E.)	GBM-21	GBM-21		GAR-156	DA-70
Arm. Shaft Nut (D.E.)	X-157	X-157	X-160	GY-3	
Arm. Shaft Spacer (D.E.)					GAU-38
Armature Snap Ring	GAR-171	GAR-171	GAR-171	GAR-171	GAR-171
BEARING C. E.	X-295	X-295	X-295	X-295	X-295
BEARING D. E.	X-378	X-378	295	X-441	X-295
Bearing Retaining Lock Washer			X-199		
Bearing Retaining Screw			DA-60		
Bearing Retaining Washer			DA-22		
Bearing Spacer			GAJ-79		
Brush Lead Lock Washer	X-195	X-195	X-195	X-195	X-195
Brush Lead Screw	8X-305	8X-305	8X-305	8X-305	8X-305
BRUSH SET	GBM-2012AS	GBM-2012AS	GBM-2012AS	GBM-2012AS	GBM-2012AS
C.B. or Reg. Mtg. Lock Washer	X-196	X-196	X-196	X-196	X-196
C.B. or Reg. Mtg. Screw	8X-321	8X-321	8X-321	8X-321	8X-321
C. E. Cover	GAR-83	GAR-83	DJ-4	GAR-83	GAG-53
C. E. Cover Gasket	GBJ-25	GBJ-25	DJ-10	GBJ-25	DJ-10
CIRCUIT BREAKER					CB-4014
Comm. End Plate Assy. *	(GAR-2081)	(GAR-2081)	(GAL-2213A)	(GAR-2081)	(GAL-2213A)
Cotter Pin	X-404	X-404			
Cover Holding Lock Washer			X-544		X-544
Cover Holding Screw	X-62	X-62	8X-870	X-62	8X-870
Drive End Head Assembly ‡	GAR-1105	GAR-1104	GAR-1062B	GAL-1109A	GAR-1062B
Fan	SP-96C	SP-96C	SP-96C	SP-96C	
Felt Washer - Inner	GAB-188	GAB-188	GR-35	GAB-188	GR-35
Felt Washer - Outer	DA-132	DA-132		DA-132	GR-35
Felt Washer Retainer (C.E.)	GR-32	GR-32	GR-32	GR-32	GR-32
Felt Washer Retainer (D.E.)			GR-32	GR-32	GR-32
FIELD COIL ASSEMBLY	GAL-1005S	GAL-1005S	GAL-1005S	GAL-1005S	GAL-1005S
Frame & Field Assembly †	(GAR-2139)	(GAR-2139)	(GAR-2136)	(GAR-2153)	(GAR-2052)
Frame Screw	MW-20A	MW-20A	MW-20A	MW-20A	MW-20A
Frame Screw Lock Washer	X-199	X-199	X-199	X-199	X-199
Fuse					X-842
Fuse Cover					GAL-225
Head Band Assembly	GAL-1024	GAL-1024	GAL-1024	GAL-1024	GAL-1024
Head Band Nut	8X-794	8X-794	8X-794	8X-794	8X-794
Head Band Screw	X-715	X-715	X-715	X-715	X-715
Oiler	X-489	X-489	X-489	X-489	X-489
Oil Guard	DA-39	DA-39	DA-39	DA-39	DA-39
Oil Thrower	GAG-1150	GAE-1046		GG-238	
Plain Washer	X-358	X-358	GJ-179	MF-80	
REGULATOR	TC-4302A	TC-4302A	TC-4302A	TC-4302A	
Woodruff Key (C.E.)	X-258	X-258		X-258	
Woodruff Key (D.E.)	X-263	X-263	X-258		X-264B
Woodruff Key (D.E.)			X-261		

* See pages 15 to 18 of this section for complete list of C.E. Plate sub parts.
‡ See pages 19 & 20 of this section for complete list of Drive End sub parts.
† See pages 21 to 23 of this section for complete list of Frame & Field sub parts.

UNIT	USED ON
GAR-4613	Moreland
GAR-4614	Diamond T
GAR-4616	Brockway
GAR-4617	Brockway
GAR-4618	Nash

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Name of Part	GAR-4619	GAR-4620	GAR-4621	GAR-4622	GAR-4623
Illustration	Fig. 18	Fig. 15	Fig. 18	Fig. 17	Fig. 17
Air Deflector				GAR-82	GAR-82
Air Deflector Screw				X-62	X-62
ARMATURE ASSEMBLY	GAR-2158	GAR-2116F	GAR-2135	GAR-2109	GAR-2109
Arm. Shaft Lock Washer (C.E.)				X-204	X-204
Arm. Shaft Lock Washer (D.E.)		X-864			
Arm. Shaft Nut (C.E.)	DA-70		DA-70	GBM-21	GBM-21
Arm. Shaft Nut (D.E.)		GBM-21		X-156	X-156
Arm. Shaft Spacer (D.E.)	GAR-159				
Armature Snap Ring	GAR-171	GAR-171	GAR-171	GAR-171	GAR-171
BEARING C. E.	X-295		X-295	X-295	X-295
BEARING D. E.	X-295	X-295	X-295	X-378	X-378
Brush Lead Lock Washer	X-195	X-195	X-195	X-195	X-195
Brush Lead Screw	8X-305	8X-305	8X-305	8X-305	8X-305
BRUSH SET	GBM-2012AS	GBM-2012AS	GBM-2012AS	GBM-2012AS	GBM-2012AS
C.B. or Reg. Mtg. Lock Washer	X-196	X-196	X-196	X-196	X-196
C.B. or Reg. Mtg. Screw	8X-321	8X-321	8X-321	8X-321	8X-321
C. E. Cover	GAG-53		GAG-53	GAR-83	GAR-83
C. E. Cover Gasket	DJ-10		DJ-10	GBJ-25	GBJ-25
CIRCUIT BREAKER				CB-4012	
Comm. End Plate Assy. *	(GAL-2213A)	(GAR-2115E)	(GAR-3175)	(GAR-2081)	(GAR-2081)
Cotter Pin				X-404	X-404
Cover Holding Lock Washer	X-544		X-544		
Cover Holding Screw	8X-870		8X-870	X-62	X-62
Drive End Head Assembly ‡	GAR-1062B	GBJ-1003D	GAR-1062B	GAR-1096	GAR-1096
Drive Pulley		SP-135			
Fan			SP-96C	SP-96C	SP-96C
Felt Washer - Inner	GR-35		GR-35	GAB-188	GAB-188
Felt Washer - Outer	GR-35		GR-35	DA-132	DA-132
Felt Washer Retainer (C.E.)	GR-32		GR-32	GR-32	GR-32
Felt Washer Retainer (D.E.)	GR-32	GR-32	GR-32		
FIELD COIL ASSEMBLY	GAL-1005S	GAL-1005S	GAL-1005S	GAL-1005S	GAL-1005S
Frame & Field Assembly †	(GAR-2157)	(GAR-2276)	(GAR-3136)	(GAR-2084)	(GAR-2132)
Frame Screw	MW-20A	MW-20A	MW-20A	MW-20A	MW-20A
Frame Screw Lock Washer	X-199	X-199	X-199	X-199	X-199
Fuse				X-842	
Fuse Cover				GAL-225	
Head Band Assembly	GAL-1024	GAL-1024	GAL-1024	GAL-1024	GAL-1024
Head Band Nut	8X-794	8X-794	8X-794	8X-794	8X-794
Head Band Screw	X-715	X-715	X-715	X-715	X-715
Oiler	X-489		X-489	X-489	X-489
Oil Guard	DA-39		DA-39	DA-39	DA-39
Oil Thrower				GAR-1177	GAR-1177
Plain Washer				GK-174	GK-174
REGULATOR	TC-4302A	TC-4302A	TC-4302A		TC-4302A
Woodruff Key (C.E.)			X-261	X-258	X-258
Woodruff Key (D.E.)	X-264B	X-260	X-261		
Woodruff Key (D.E.)			X-258	X-263	X-263

* See pages 15 to 18 of this section for complete list of C.E. Plate sub parts.
‡ See pages 19 & 20 of this section for complete list of Drive End sub parts.
† See pages 21 to 23 of this section for complete list of Frame & Field sub parts.

UNIT	USED ON
GAR-4619	Brockway
GAR-4620	Hupp
GAR-4621	Gray Marine
GAR-4622	Diamond T, White
GAR-4623	Diamond T, Moreland

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

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Name of Part	GAR-4624	GAR-4625	GAR-4626	GAR-4627	GAR-4630
Illustration	Fig. 22	Fig. 15	Fig. 23	Fig. 21	Fig. 15
Air Deflector				GAR-82	
Air Deflector Screw				X-62	
ARMATURE ASSEMBLY	GAR-2281F	GAR-2077	GAR-2286	GAR-2180	GAR-2077
Arm. Shaft Lock Washer (C.E.)				X-204	
Arm. Shaft Lock Washer (D.E.)	X-864	X-864	X-864	X-1018	X-864
Arm. Shaft Nut (C.E.)				GBM-21	
Arm. Shaft Nut (D.E.)	GBM-21	GBM-21	GBM-21	GY-3	GBM-21
Armature Snap Ring		GAR-171	GAR-171	GAR-171	GAR-171
BEARING C. E.			X-295	X-295	
BEARING D. E.	X-298	X-295	X-295	X-441	X-295
Bearing Retaining Lock Washer			X-199		
Bearing Retaining Screw			DA-60		
Bearing Retaining Washer			DA-22		
Brush Lead Lock Washer	X-195	X-195	X-195	X-195	X-195
Brush Lead Screw	8X-305	8X-305	8X-305	8X-305	8X-305
BRUSH SET	GBM-2012AS	GBM-2012AS	GBM-2012AS	GBM-2012AS	GBM-2012AS
C.B. or Reg. Mtg. Lock Washer	X-1270	X-196	X-196	X-196	X-196
C.B. or Reg. Mtg. Screw	8X-321	8X-321	8X-321	8X-321	8X-321
C. E. Cover			DJ-4	GAR-83	
C. E. Cover Gasket			DJ-10	GBJ-25	
CIRCUIT BREAKER			CB-4014		
Comm. End Plate Assy. *	(GAR-2115E)	(GAR-2071)	(GAL-2213A)	(GAR-2081)	(GAR-2071)
Cover Holding Lock Washer			X-544		
Cover Holding Screw			8X-870	X-62	
Drive End Head Assembly ‡	GAR-1182	GAR-1076	GAR-1062B	GAR-1126A	GAR-1076
Drive Pulley	SP-165	SP-94	SP-134		SP-191
Fan				SP-96C	
Felt Washer - Inner			GR-35	GAB-188	
Felt Washer - Outer				DA-132	
Felt Washer Retainer (C.E.)			GR-32	GR-32	
Felt Washer Retainer (D.E.)			GR-32	GR-32	
FIELD COIL ASSEMBLY	GAL-1005S	GAL-1005S	GAL-1005S	GAL-1005S	GAL-1005S
Frame & Field Assembly †	(GAR-2117)	(GAR-2285)	(GAR-2287)	(GAR-2139)	(GAR-2285)
Frame Screw	MW-20A	MW-20A	MW-20A	MW-20A	MW-20A
Frame Screw Lock Washer	12X-199	X-199	X-199	X-199	X-199
Fuse			X-842		
Fuse Cover			GAL-225		
Head Band Assembly	GBM-24	GAL-1024	GAL-1024	GAL-1024	GAL-1024
Head Band Nut	8X-794	8X-794	8X-794	8X-794	8X-794
Head Band Screw	X-715	X-715	X-715	X-715	X-715
Oiler			X-489	X-489	
Oil Guard			DA-39	DA-39	
Oil Thrower				GG-238	
Plain Washer				MF-80	
REGULATOR	TC-4301A	TC-4311A		TC-4302A	TC-4302A
Woodruff Key (C.E.)				X-258	
Woodruff Key (D.E.)	X-263	X-260	X-260		X-260

* See pages 15 to 18 of this section for complete list of C.E. Plate sub parts.
‡ See pages 19 & 20 of this section for complete list of Drive End sub parts.
† See pages 21 to 23 of this section for complete list of Frame & Field sub parts.

UNIT	USED ON
GAR-4624	Chrysler Corp.
GAR-4625	Checker Cab
GAR-4626	Gramm
GAR-4627	Brockway
GAR-4630	Auburn

Name of Part	GAR-4631	GAR-4632	GAR-4633	GAR-4634	GAR-4635
Illustration	Fig. 15	Fig. 24	Fig. 24	Fig. 14	Fig. 19
"A" Terminal Lock Washer					X-196
"A" Terminal Nut					8X-177
Air Deflector					GAR-82
Air Deflector Screw					X-62
ARMATURE ASSEMBLY	GAR-2116F	GAR-2312	GAR-2318	GAR-2321	GAR-2140
Arm. Shaft Lock Washer (C.E.)					X-204
Arm. Shaft Lock Washer (D.E.)	X-864				
Arm. Shaft Nut (C.E.)				DA-70	GBM-21
Arm. Shaft Nut (D.E.)	GBM-21				X-157
Arm. Shaft Spacer (D.E.)				GAU-38	
Armature Snap Ring	GAR-171	GAR-171	GAR-171	GAR-171	GAR-171
BEARING C. E.		X-295	X-295	X-295	X-295
BEARING D. E.	X-295	X-295	X-295	X-295	X-378
Bearing Retaining Lock Washer		X-199	X-199		
Bearing Retaining Screw		DA-60	DA-60		
Bearing Retaining Washer		DA-22	DA-22		
Brush Lead Lock Washer	X-195	X-195	X-195	X-195	X-195
Brush Lead Screw	8X-305	8X-305	8X-305	8X-305	8X-305
BRUSH SET	GBM-2012AS	GBM-2012AS	GBM-2012AS	GBM-2012AS	GBM-2012AS
C.B. or Reg. Mtg. Lock Washer	X-1270	X-196	X-196	X-196	
C.B. or Reg. Mtg. Screw	8X-321	8X-321	8X-321	8X-321	
C. E. Cover		DJ-4A	DJ-4A	GAG-53	GAR-83
C. E. Cover Gasket		DJ-10	DJ-10	DJ-10	GBJ-25
CIRCUIT BREAKER		CB-4014	CB-4014	CB-4014	
Comm. End Plate Assy. *	(GAR-2115E)	(GAL-2213B)	(GAL-2213B)	(GAL-2213A)	(GAR-2081)
Cotter Pin					X-404
Cover Holding Lock Washer		X-544	X-544	X-544	
Cover Holding Screw		8X-870	8X-870	8X-870	X-62
Drive End Head Assembly ‡	GBJ-1003C	GAR-1062B	GAR-1062B	GAR-1062B	GAR-1192
Drive Pulley	SP-150				
Fan		SP-96B	SP-96B		SP-96C
Felt Washer - Inner		GR-35	GR-35	GR-35	GAB-188
Felt Washer - Outer				GR-35	DA-132
Felt Washer Retainer (C.E.)		GR-32	GR-32	GR-32	GR-32
Felt Washer Retainer (D.E.)	GR-32	GR-32	GR-32	GR-32	
FIELD COIL ASSEMBLY	GAL-1005S	GAL-1005S	GAL-1005S	GAL-1005S	GAL-1005S
Field Terminal Lock Washer					X-193
Field Terminal Nut					8X-1377
Frame & Field Assembly †	(GAR-2134)	(GAR-2287A)	(GAR-2287A)	(GAR-2052)	(GAR-2193)
Frame Screw	MW-20A	MW-20A	MW-20A	MW-20A	MW-20A
Frame Screw Lock Washer	X-199	X-199	X-199	X-199	X-199
Fuse		X-842	X-842	X-842	
Fuse Cover		GAL-225	GAL-225	GAL-225	
Ground Screw					8X-321
Ground Screw Lock Washer					X-196
Head Band Assembly	GAL-1024C	GAL-1024D	GAL-1024D	GAL-1024	GAL-1024
Head Band Nut	8X-794	8X-794	8X-794	8X-794	8X-794
Head Band Screw	X-715	8X-715	8X-715	X-715	X-715
Lock Spring Ring		GAA-69	GAA-69		
Oiler		X-489	X-489	X-489	X-489
Oil Guard		DA-39	DA-39	DA-39	DA-39
Oil Thrower					DG-1144
Plain Washer					X-358
REGULATOR	TC-4302A				
Woodruff Key (C.E.)					X-258
Woodruff Key (D.E.)	X-260	X-258	X-258	X-264B	X-263

* See pages 15 to 18 of this section for complete list of C.E. Plate sub parts.
‡ See pages 19 & 20 of this section for complete list of Drive End sub parts.
† See pages 21 to 23 of this section for complete list of Frame & Field sub parts.

UNIT	USED ON
GAR-4631	Reo
GAR-4632	
GAR-4633	
GAR-4634	Nash
GAR-4635	Hercules

(Issued 5-2-41)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Name of Part	GAR-4701	GAR-4702
Illustration	Fig. 25	Fig. 25
"A" Terminal Lock Washer	12X-193	12X-193
"A" Terminal Nut	8X-177	8X-177
ARMATURE ASSEMBLY	GAR-2077	GAR-2077
Armature Shaft Lock Washer	X-864	X-864
Armature Shaft Nut	GBM-21	GBM-21
Armature Snap Ring	GAR-171	GAR-171
BEARING D. E.	X-295	X-295
BRUSH SET	GAL-2012A	GAL-2012A
Comm. End Plate Assy. *	(GAR-3184)	(GAR-3184)
Drive End Head Assembly ‡	GAM-2048A	GAM-2048A
Drive Pulley	SP-1178	SP-1178
FIELD COIL ASSEMBLY	GAL-1005S	GAL-1005S
Field Terminal Lock Washer	12X-193	12X-199
Field Terminal Nut	8X-177	8X-177
Frame & Field Assembly †	(GAR-2185)	(GAR-2185)
Frame Screw	MW-20A	MW-20A
Frame Screw Lock Washer	X-199	X-199
Grounding Cup		GBJ-33
Head Band Assembly	GAL-1024	GAL-1024
Head Band Nut	8X-794	8X-794
Head Band Screw	X-714	X-714
Plain Terminal Washer	8X-361	8X-361
Terminal	X-966	X-966
Woodruff Key	X-260	X-260

* See pages 15 to 18 of this section for complete list of C.E. Plate sub parts.
‡ See pages 19 & 20 of this section for complete list of Drive End sub parts.
† See pages 21 to 23 of this section for complete list of Frame & Field sub parts.

UNIT	USED ON
GAR-4701	Hudson
GAR-4702	Hudson

(Issued 5-2-41)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

COMM. END PLATE ASSEMBLY

Name of Part	GAL-2206	GAL-2213A	GAL-2213B	GAL-3235	GAR-2071
Brush Holder	GAL-242			GAL-242	
Brush Holder Sc. Lock Washer	X-195			X-195	
Brush Holding Screw	8X-47			8X-47	
Brush Lead Screw	8X-59	8X-305	8X-305	8X-59	8X-305
Brush Lead Sc. Lock Washer	X-1276	X-195	X-195	X-1276	X-195
Brush - Main	GAL-12	GBM-1012A	GBM-1012A	GAL-12	GBM-1012A
Brush Plate	GAL-199			GAL-199	
Brush Spring Grounded	GAL-201			GAL-202	
Brush Spring Insulated	GAL-202			GAL-201	
C. E. Cover					GAR-79
C. E. Cover Gasket					GAR-78
C. E. Plate Part Assembly	GAL-1206	GAL-1213A	GAL-1213B	GAL-1235	GAR-1071A
Bearing C.E.					GBF-79
Cover Holding Lock Washer					X-196
Cover Holding Screw					8X-870
Felt Wick					GAR-73
Felt Wick Cover					GAR-98A
Gasket					GBW-73
Ground Lead	GAL-204			GAL-204	
Ground Lead Terminal	X-958			X-958	
Ground Screw	8X-304			8X-304	
Ground Screw Lock Washer	X-195			X-195	
Oiler					X-489
Oil Retainer					GBW-72
3rd Brush Plate Ret'g Spring	GAL-205	GAL-51	GAL-51	GAL-205	GAL-51
3rd Brush Ret'g Spring Screw	8X-63	8X-56	8X-56	8X-63	8X-56
3rd Brush Plate Assembly	GAL-2187	GAL-1161	GAL-1161	GAL-2210	GAR-1072
Brush Holder	GAL-242			GAL-242	
Brush Holding Screw	8X-47			8X-47	
Br. Holding Sc. Lock Washer	X-195			X-195	
Brush Lead Screw	8X-59			8X-59	
Br. Lead Sc. Lock Washer	X-1276			X-1276	
Brush Plate	GAL-199			GAL-199	
Brush Spring - Third	GAL-201			GAL-202	
Brush - Third	GAL-13	GBM-1013A	GBM-1013A	GAL-13	GBM-1013A
3rd Brush Plate	GAL-1187			GAL-1210	

(Issued 5-2-41)

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COMM. END PLATE ASSEMBLY

Name of Part	GAR-2081	GAR-2091	GAR-2115E	GAR-2206B	GAR-2206C
Brush Holder				GAL-242	GAL-242
Brush Holder Sc. Lock Washer				X-195	X-195
Brush Holding Screw				8X-47	8X-47
Brush Lead Screw	8X-305	8X-305	8X-305	8X-59	8X-59
Brush Lead Sc. Lock Washer	X-195	X-195	X-195	X-1276	X-1276
Brush - Main	GBM-1012A	GBM-1012A	GBM-1012A	GAL-12	GAL-12
Brush Plate				GAL-199	GAL-199
Brush Spring Grounded				GAL-243	GAL-243
Brush Spring Insulated				GAL-243	GAL-243
C. E. Cover			GAR-79A		
C. E. Cover Gasket			GAR-78		
C. E. Plate Part Assembly	GAR-1081	GAR-1091	GAR-1115A	GAL-1206B	GAL-1206C
Bearing C. E.			GBF-79		
Cover Holding Lock Washer			12X-196		
Cover Holding Screw			8X-870		
Felt Wick			GAR-73		
Felt Wick Cover			GAR-98A		
Gasket			GBW-73		
Ground Lead				GAL-204	GAL-204
Ground Lead Terminal				X-958	X-958
Ground Screw				8X-304	8X-304
Ground Screw Lock Washer				X-195	X-195
Oiler			X-489		
Oil Retainer			GBW-72		
3rd Brush Plate Ret'g Spring	GAL-51	GAL-51	GAL-51	GAL-205	GAL-205
3rd Br. Ret'g Spring Screw	8X-56	8X-56	8X-56	8X-63	8X-63
3rd Brush Plate Assembly	GAL-1161	GAL-1161	GAR-1072	GAR-2187A	GAR-2187A
Brush Holder				GAL-242	GAL-242
Brush Holding Screw				8X-47	8X-47
Brush Holding Sc. Washer				X-195	X-195
Brush Lead Screw				8X-59	8X-59
Br. Lead Sc. Lock Washer				X-1276	X-1276
Brush Plate				GAL-199	GAL-199
Brush Spring Third				GAL-243	GAL-243
Brush - Third	GBM-1013A	GBM-1013A	GBM-1013A	GAL-13	GAL-13
3rd Brush Plate				GAR-1187A	GAR-1187A

(Issued 5-2-41)

COMM. END PLATE ASSEMBLY

Name of Part	GAR-2206D	GAR-2207	GAR-3175	GAR-3184	GAR-3228A
Bearing Cover					GAL-40
Brush Holder	GAL-242	GAL-242		GAL-242	GAL-242
Brush Holding Sc. Lock Washer	X-195	X-195		X-195	X-195
Brush Holding Screw	8X-47	8X-47		8X-47	8X-47
Brush Lead Screw	8X-59	8X-59	8X-305	8X-59	8X-59
Brush Lead Sc. Lock Washer	X-1276	X-1276	X-195	X-1276	X-1276
Brush - Main	GAL-12	GAL-12	GBM-1012A	GAL-12	GAL-12
Brush Plate	GAL-199	GAL-199		GAL-199	GAL-199
Brush Spring Grounded	GAL-243	GAL-243		GAL-243	GAL-243
Brush Spring Insulated	GAL-243	GAL-243		GAL-243	GAL-243
C.E. Plate Part Assembly	GAL-1206D	GAL-1207A	GAR-1175	GAR-2184	GAR-2228
Bearing C. E.					GAL-49
Oiler				X-390	
Ground Lead	GAL-204	GAL-204		GAM-69	GAL-204
Ground Lead Terminal	X-958	X-958		X-958	X-958
Ground Lead Terminal				X-1031	
Ground Screw	8X-304	8X-304			8X-304
Ground Sc. Lock Washer	X-195	X-195			X-195
3rd Brush Plate Ret'g Spring	GAL-205	GAL-205	GAL-51	GAM-56	GAL-205
3rd Brush Ret'g Spring Screw	8X-63	8X-63	8X-56	8X-63	8X-63
3rd Brush Plate Assembly	GAR-2187A	GAR-2187A	GAR-2176	GAR-2013	GAR-2213
Brush Holder	GAL-242	GAL-242		GAL-242	GAL-242
Brush Holding Screw	8X-47	8X-47		8X-47	8X-47
Br. Holding Sc. Lock Washer	X-195	X-195		X-195	X-195
Brush Lead Screw	8X-59	8X-59		8X-59	8X-59
Br. Lead Sc. Lock Washer	X-1276	X-1276		X-1276	X-1276
Brush Plate	GAL-199	GAL-199		GAL-199	GAL-199
Brush Spring Third	GAL-243	GAL-243		GAL-243	GAL-243
Brush - Third	GAL-13	GAL-13	GBM-1013A	GAR-13	GAL-13
3rd Brush Plate	GAR-1187A	GAR-1187A		GAM-1058A	GAR-1213

(Issued 5-2-41)

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COMM. END PLATE ASSEMBLY

Name of Part	GAR-3235	GAR-3235A
Brush Holder	GAL-242	GAL-242
Brush Holder Sc. Lock Washer	X-195	X-195
Brush Holding Screw	8X-47	8X-47
Brush Lead Screw	8X-59	8X-59
Brush Lead Sc. Lock Washer	X-1276	X-1276
Brush - Main	GAL-12	GAL-12
Brush Plate	GAL-199	GAL-199
Brush Spring Grounded	GAL-243	GAL-243
Brush Spring Insulated	GAL-243	GAL-243
C.E. Plate Part Assembly	GAR-1235	GAR-1235A
Ground Lead	GAL-204	GAL-204
Ground Lead Terminal	X-958	X-958
Ground Screw	8X-304	8X-304
Ground Sc. Lock Washer	X-195	X-195
3rd Brush Plate Ret'g Spring	GAL-205	GAL-205
3rd Brush Ret'g Spring Screw	8X-63	8X-63
3rd Brush Plate Assembly	GAR-2210	GAR-2210
Brush Holder	GAL-242	GAL-242
Brush Holding Screw	8X-47	8X-47
Br. Holding Sc. Lock Washer	X-195	X-195
Brush Lead Screw	8X-59	8X-59
Br. Lead Sc. Lock Washer	X-1276	X-1276
Brush Plate	GAL-199	GAL-199
Brush Spring Third	GAL-243	GAL-243
Brush - Third	GAL-13	GAL-13
3rd Brush Plate	GAR-1210	GAR-1210

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DRIVE END HEAD ASSEMBLY

Name of Part	GAL-1063	GAL-1109A	GAL-1149	GAL-1306	GAL-1306A
Baffle Plate			GT-98		
Bearing D.E.	X-295	X-441	GT-94	X-298	X-29E
Bearing Retaining Gasket		GK-85			
Bearing Retainer - Inner	GG-6	GG-6		GX-9	GX-9
Bearing Retainer - Outer	GG-6				
D. E. Head	GAL-63	GAL-109		GAL-306	GAL-306A
Escutcheon Pin			X-233		
Felt Guard - Inner				GBC-25	GBC-25
Felt Guard - Outer	GK-176			DB-17	DB-17
Felt Washer - Inner		GG-164		GAR-95	GAR-95
Felt Washer - Outer	GG-164			GW-29	GW-29
Oiler	X-489			X-489	X-489
Pin			GK-100		
Retainer Holding Lock Washer	X-196	X-196		X-196	X-196
Retainer Holding Nut	8X-173				
Retainer Holding Screw	8X-316	8X-311		8X-311	8X-311

Name of Part	GAM-1003	GAM-2048A	GAR-1062B	GAR-1076	GAR-1096
Bearing D. E.	X-295	X-295	X-295	X-295	X-378
Bearing Retainer Gasket		GAM-86			GX-10
Bearing Retainer - Inner	GAM-30	GAM-85	GAR-64	GAR-64	GX-9
Bearing Retainer - Outer			GAR-64	GAR-64	
D. E. Head	GAM-1003S	GAM-1048A	GAR-62A	GAR-76	GAR-96
Felt Guard - Inner	GAM-34	GAM-34	GAR-63	GAR-63	
Felt Guard - Outer	GAM-32		GAR-63	GAR-63	
Felt Washer - Inner			GG-164	GG-164	GAR-95
Felt Washer - Outer	GAM-33	GG-164	GG-164	GG-164	
Oiler		X-390	X-489	X-489	
Retainer Holding Lock Washer	X-196	X-196	X-1270	X-196	X-196
Retainer Holding Nut			8X-173	8X-173	
Retainer Holding Screw	8X-312	8X-312	8X-1003	8X-1003	8X-311

Name of Part	GAR-1104	GAR-1105	GAR-1126A	GAR-1173	GAR-1182
Bearing D. E.	X-378	X-378	X-441	X-378	X-298
Bearing Retainer Gasket		GX-10	GK-85	GX-10	
Bearing Retainer - Inner		GX-9	GG-6	GX-9	GAR-178
Bearing Retainer - Outer	GAE-47				GAR-178
D. E. Head	GAR-104	GAR-105	GAR-126	GAR-173	GAR-182
Felt Guard - Inner					GAR-179
Felt Guard - Outer					GAR-179
Felt Washer - Inner			GG-164	GAR-95	GJ-147
Felt Washer - Outer					GJ-147
Oiler			X-489		X-489
Retainer Holding Lock Washer		X-196	X-196	X-196	X-196
Retainer Holding Nut					8X-173
Retainer Holding Screw	8X-66	8X-311	8X-311	8X-311	8X-306

(Issued 5-2-41)

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DRIVE END HEAD ASSEMBLY

Name of Part	GAR-1192	GAR-1196	GBJ-1003C	GBJ-1003D
Bearing D. E.	X-378	X-378	X-295	X-295
Bearing Retainer Gasket		GX-10		
Bearing Retainer - Inner		GX-9	GAR-64	GAR-64
Bearing Retainer - Outer	GAE-47		GAR-64	GAR-64
D. E. Head	GAR-192	GAR-196	GBJ-3C	GBJ-3D
Felt Guard - Inner			GAR-63	GAR-63
Felt Guard - Outer			GAR-63	GAR-63
Felt Washer - Inner			GG-164	GG-164
Felt Washer - Outer			GG-164	GG-164
Oiler			X-489	X-489
Retainer Holding Lock Washer		X-196	X-196	X-196
Retainer Holding Nut			8X-173	8X-173
Retainer Holding Screw	8X-66	8X-311	8X-1003	8X-1003

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FRAME & FIELD ASSEMBLY

Name of Part	GAR-2034	GAR-2052	GAR-2054	GAR-2054A	GAR-2055
Aligning Dowel		GAR-21			
Dowel Pin	MN-21	MN-21	MN-21	MN-21	MN-21
Field Coil Assy.- Comp.	GAL-1005S	GAL-1005S	GAL-1005S	GAL-1005S	GAL-1005S
Field Connection Ins.	GAL-44	GAL-44	GAL-44	GAL-44	GAL-44
Fuse Holder		GAL-1224	GAL-1224	GAL-1224	GAL-1224
Fuse Holder Mtg. Lock Washer		X-195	X-195	X-195	X-195
Fuse Holder Mtg. Screw		8X-59	8X-59	8X-59	8X-59
Grommet	GAR-211	GAR-211	GAR-211	GAR-211	GAR-211
Pole Piece	GAR-29	GAR-29	GAR-29	GAR-29	GAR-29
Pole Piece Screw	GK-38	GK-38	GK-38	GK-38	GK-38

Name of Part	GAR-2067	GAR-2070	GAR-2084	GAR-2090	GAR-2094
Dowel Pin	MN-21	MN-21	MN-21	MN-21	MN-21
Field Coil Assy.- Comp.	GAL-1005S	GAL-1005S	GAL-1005S	GAL-1005S	GAL-1005S
Field Connection Ins.	GAL-44	GAL-44	GAL-44	GAL-44	GAL-44
Fuse Holder	GAL-1224	GAL-1224	GAL-1224		
Fuse Holder Mtg. Lock Washer	X-195	X-195	X-195		
Fuse Holder Mtg. Screw	8X-59	8X-59	8X-59		
Grommet	GAR-211	GAR-211	GAR-211	GAR-211	GAR-211
Pole Piece	GAR-29	GAR-29	GAR-29	GAR-29	GAR-29
Pole Piece Screw	GK-38	GK-38	GK-38	GK-38	GK-38

Name of Part	GAR-2111	GAR-2117	GAR-2121	GAR-2122	GAR-2122A
Dowel Pin	MN-21	MN-21	MN-21	MN-21	MN-21
Field Coil Assy.- Comp.	GAL-1005S	GAL-1005S	GAL-1005S	GAL-1005S	GAL-1005S
Field Connection Ins.	GAL-44	GAL-44	GAL-44	GAL-44	GAL-44
Fuse Holder	GAL-1224				
Fuse Holder Mtg. Lock Washer	X-195				
Fuse Holder Mtg. Screw	8X-59				
Grommet	GAR-211	GAR-211	GAR-211	GAR-211	GAR-211
Pole Piece	GAR-29	GAR-29	GAR-29	GAR-29	GAR-29
Pole Piece Screw	GK-38	GK-38	GK-38	GK-38	GK-38

Name of Part	GAR-2122B	GAR-2128	GAR-2128A	GAR-2132	GAR-2134
Bracket		GAG-125S			
Bracket Mtg. Lock Washer		X-203			
Bracket Mtg. Screw		X-113			
Dowel Pin	MN-21	MN-21	MN-21	MN-21	MN-21
Field Coil Assy.- Comp.	GAL-1005S	GAL-1005S	GAL-1005S	GAL-1005S	GAL-1005S
Field Connection Ins.	GAL-44	GAL-44	GAL-44	GAL-44	GAL-44
Fuse Holder		GAL-1224	GAL-1224		
Fuse Holder Mtg. Lock Washer		X-195	X-195		
Fuse Holder Mtg. Screw		8X-59	8X-59		
Grommet	GAR-211	GAR-211	GAR-211	GAR-211	GAR-211
Pole Piece	GAR-29	GAR-29	GAR-29	GAR-29	GAR-29
Pole Piece Screw	GK-38	GK-38	GK-38	GK-38	GK-38

(Issued 5-2-41)

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FRAME & FIELD ASSEMBLY

Name of Part	GAR-2136	GAR-2139	GAR-2153	GAR-2157	GAR-2174
Aligning Dowel				GAL-148	
Bracket	GAG-125S				
Bracket Mtg. Lock Washer	X-203				
Bracket Mtg. Screw	8X-113				
Dowel Pin	MN-21	MN-21	MN-21	MN-21	MN-21
Field Coil Assy.- Comp.	GAL-1005S	GAL-1005S	GAL-1005S	GAL-1005S	GAL-1005S
Field Connection Ins.	GAL-44	GAL-44	GAL-44	GAL-44	GAL-44
Fuse Holder					GAL-1224
Fuse Holder Mtg. Lock Washer					X-195
Fuse Holder Mtg. Screw					8X-59
Grommet	GAR-211	GAR-211	GAR-211	GAR-211	GAR-211
Pole Piece	GAR-29	GAR-29	GAR-29	GAR-29	GAR-29
Pole Piece Screw	GK-38	GK-38	GK-38	GK-38	GK-38

Name of Part	GAR-2179	GAR-2185	GAR-2193	GAR-2276	GAR-2285
"A" Terminal Ins. Bushing		GAA-31	GAA-31		
"A" Terminal Lock Washer		X-193	X-193		
"A" Terminal Nut		8X-177	8X-177		
"A" Terminal Plain Washer		8X-361	8X-361		
"A" Term. Post Ins. - Lower		GBW-66	GBW-66		
"A" Term. Post Ins. - Upper		GAA-32	GAA-32		
Aligning Dowel	GAL-148				
Dowel Pin	MN-21		MN-21	MN-21	MN-21
Field Coil Assy.- Comp.	GAL-1005S	GAL-1005S	GAL-1005S	GAL-1005S	GAL-1005S
Field Connection Ins.	GAL-44	GAL-44	GAL-44	GAL-44	GAL-44
"F" Terminal Ins. Bushing		GAA-31	GBF-54		
"F" Terminal Lock Washer		X-193	X-196		
"F" Terminal Nut		8X-177	8X-1377		
"F" Terminal Plain Washer		8X-361	8X-349		
"F" Term. Post Ins. - Lower		GBW-66	GBW-67		
"F" Term. Post Ins. - Upper		GAA-32	GBW-34		
Grommet	GAR-211			GAR-211	GAR-211
Lead Assembly		GAM-73	GBJ-31		
Terminal Post "A"		GAA-27	GAA-27		
Terminal		X-947	X-1425		
Pole Piece	GAR-29	GAR-29	GAR-29	GAR-29	GAR-29
Pole Piece Screw	GK-38	GK-38	GK-38	GK-38	GK-38

Name of Part	GAR-2287	GAR-2287A	GAR-2304	GAR-3054	GAR-3057
Aligning Dowel					GAL-148
Dowel Pin	MN-21	MN-21	MN-21	MN-21	MN-21
Field Coil Assy.- Comp.	GAL-1005S	GAL-1005S	GAL-1005S	GAL-1005S	GAL-1005S
Field Connection Ins.	GAL-44	GAL-44	GAL-44	GAL-44	GAL-44
Fuse Holder	GAL-1224	GAL-1224	GAL-1224	GAL-1224	
Fuse Holder Mtg. Lock Washer	X-195	X-195	X-195	X-195	
Fuse Holder Mtg. Screw	8X-59	8X-59	8X-59	8X-59	
Grommet	GAR-211	GAR-211	GAR-211	GAR-211	GAR-211
Pole Piece	GAR-29	GAR-29	GAR-29	GAR-29	GAR-29
Pole Piece Screw	GK-38	GK-38	GK-38	GK-38	GK-38

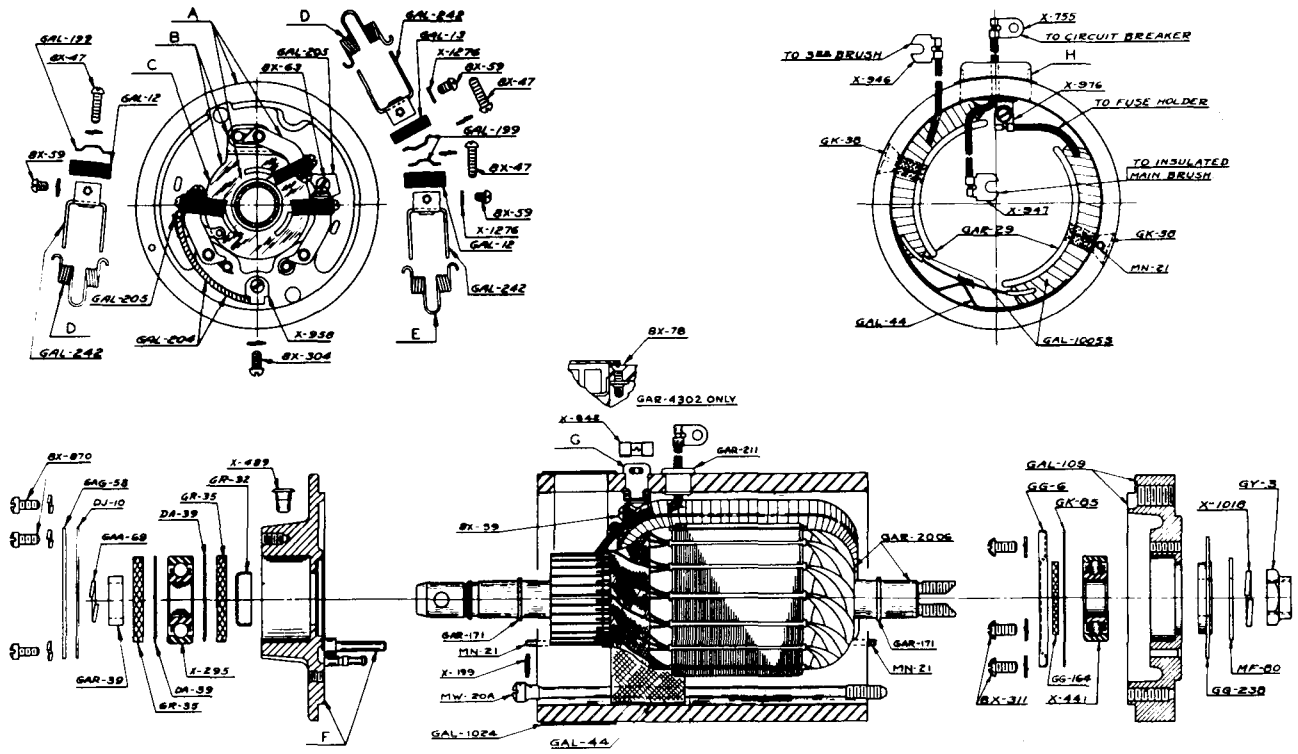
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FRAME & FIELD ASSEMBLY

Name of Part	GAR-3128	GAR-3128A	GAR-3136	GAR-3309
Bracket	GAG-125S		GAG-125S	
Bracket Mtg. Lock Washer	X-203		X-203	
Bracket Mtg. Screw	X-113		X-113	
Dowel Pin	MN-21	MN-21	MN-21	MN-21
Field Coil Assy.- Comp.	GAL-1005S	GAL-1005S	GAL-1005S	GAL-1005S
Field Connection Ins.	GAL-44	GAL-44	GAL-44	GAL-44
Fuse Holder	GAL-1224	GAL-1224		
Fuse Holder Mtg. Lock Washer	X-195	X-195		
Fuse Holder Mtg. Screw	8X-59	8X-59		
Grommet	GAR-211	GAR-211	GAR-211	GAR-211
Pole Piece	GAR-29	GAR-29	GAR-29	GAR-29
Pole Piece Screw	GK-38	GK-38	GK-38	GK-38

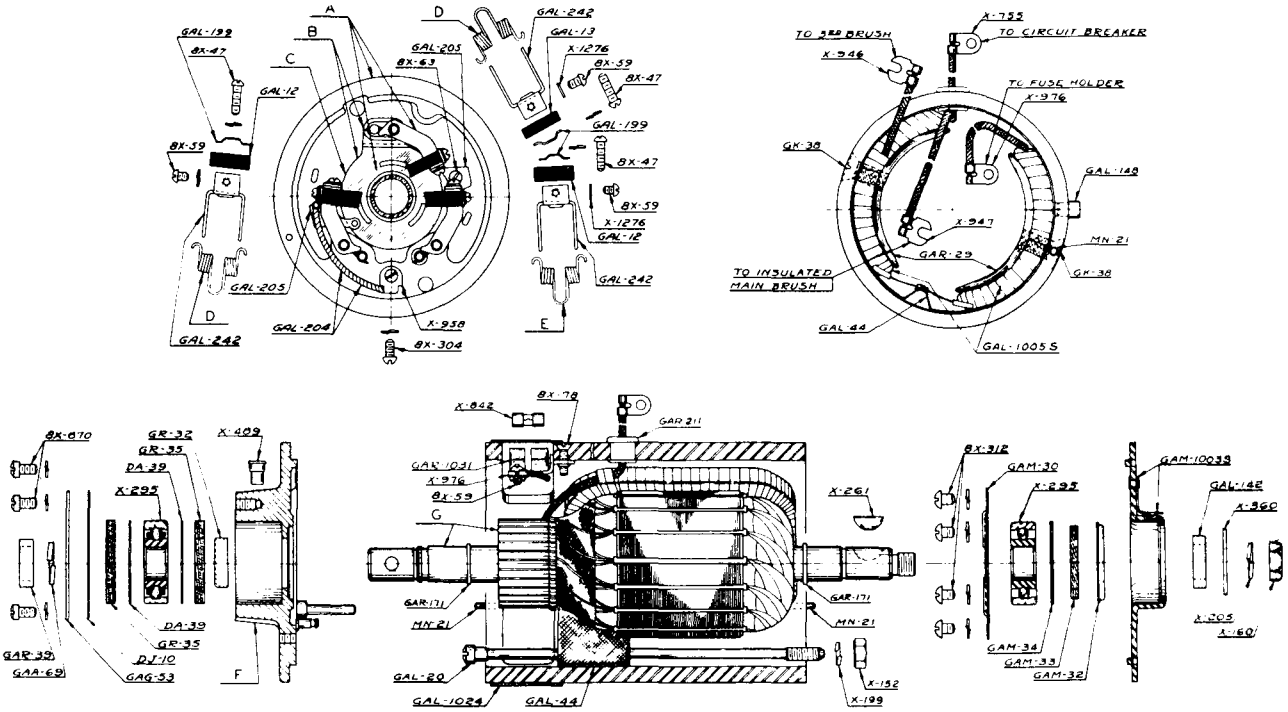
(Issued 5-2-41)

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UNIT	A	B	C	D	E	F	G	H
GAR-4302	GAL-2206	GAL-2187	GAL-1187	GAL-201	GAL-202	GAL-1206	GAR-1031	NONE
GAR-4502	GAR-2206B	GAR-2187A	GAR-1187A	GAL-243	GAL-243	GAL-1206B	GAL-1224	GAL-225

Figure 1



UNIT	A	B	C	D	E	F	G
GAR-4316	GAL-3235	GAL-2210	GAL-1210	GAL-202	GAL-201	GAL-1235	GAR-3178
GAR-4513	GAR-2206C	GAR-2187A	GAR-1187A	GAL-243	GAL-243	GAL-1206C	GAR-2178

Figure 2

(Issued 5-2-41)

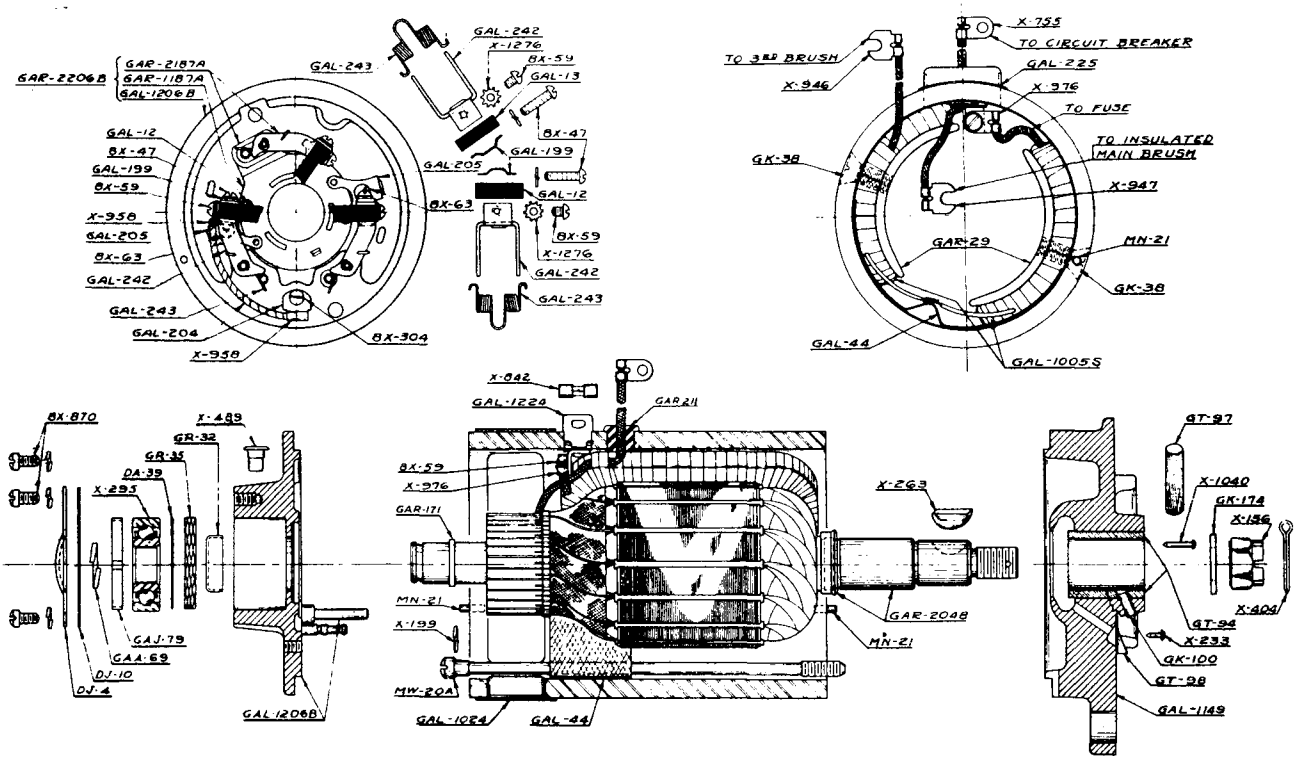
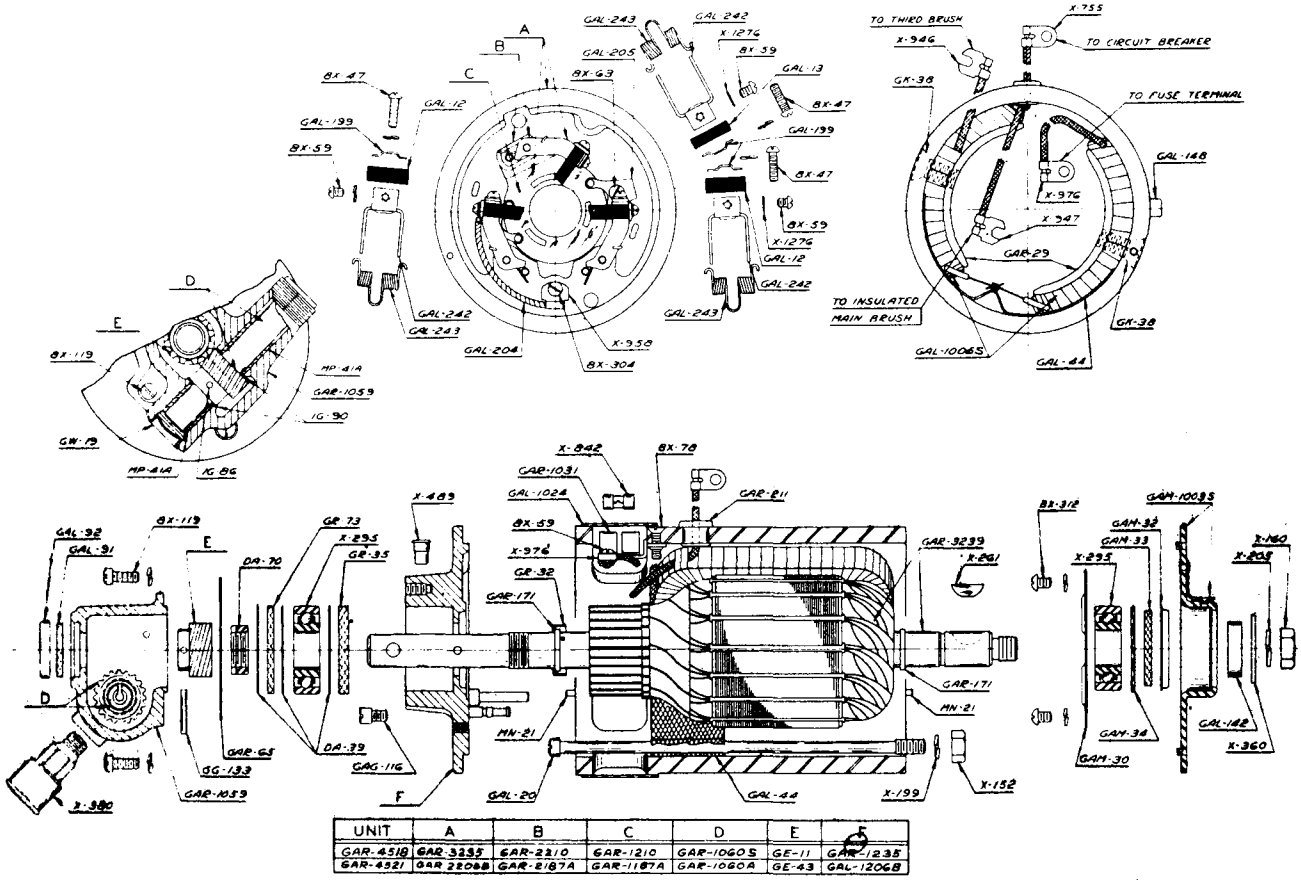


Figure 3



UNIT	A	B	C	D	E	F
GAR-4518	GAR-3235	GAR-2210	GAR-1210	GAR-1060S	GE-11	GAR-1238
GAR-4521	GAR-2206B	GAR-2187A	GAR-1187A	GAR-1060A	GE-43	GAL-1206B

Figure 4 (Issued 5-2-41)

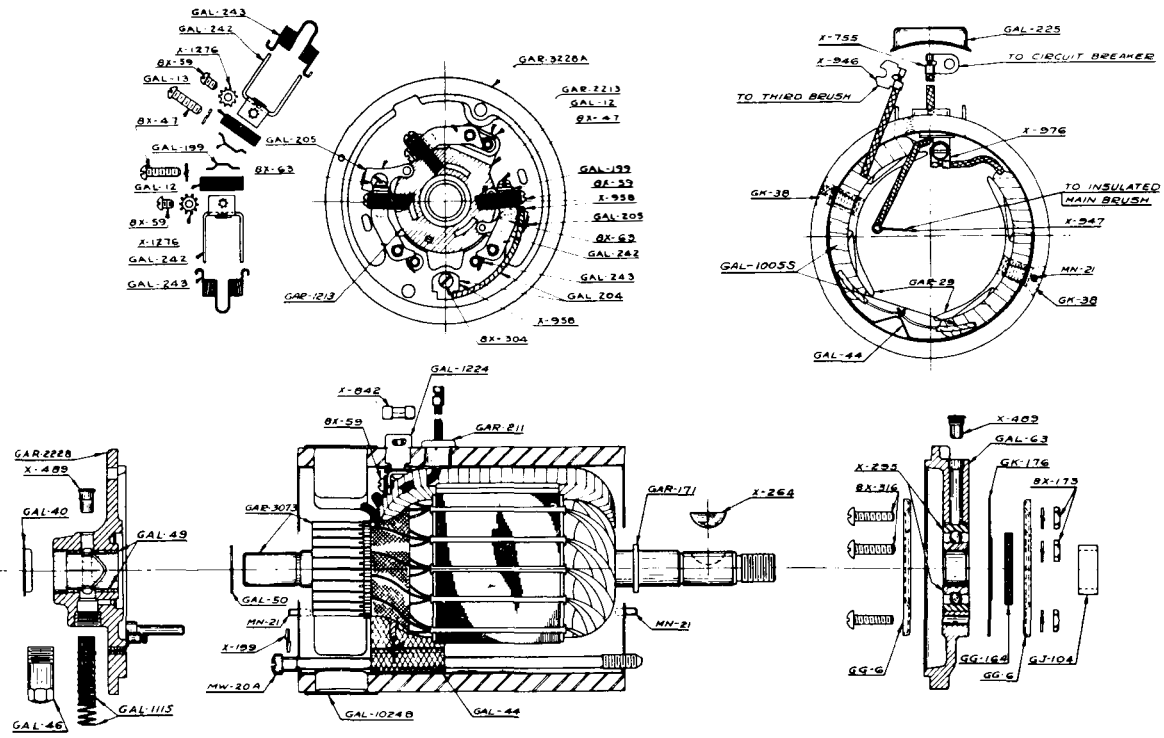
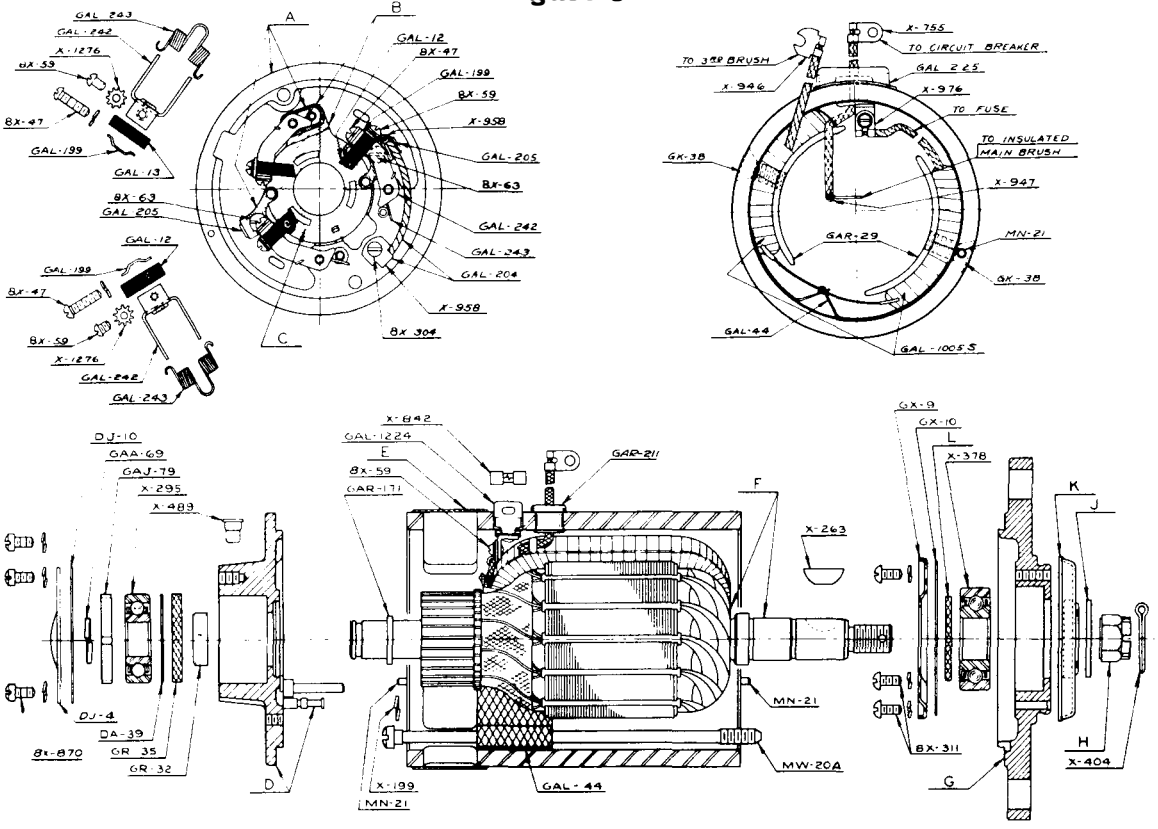


Figure 5



UNIT	A	B	C	D	E	F	G	H	J	K	L
GAR-4522	GAR-2206B	GAR-2187A	GAR-1187A	GAL-1206B	GAL-1024	GAR-2097	GAR-96	X-156	GK-174	GAG-1150	GAR-95
GAR-4524	GAR-2206B	GAR-2187A	GAR-1187A	GAL-1206B	GAL-1024	GAR-2097	GAR-96	X-156	X-358	GAG-1150	GAR-95
GAR-4526	GAR-2206B	GAR-2187A	GAR-1187A	GAL-1206B	GAL-1024	GAR-2106	GAR-105	X-157	X-358	GAG-1150	NONE
GAR-4527	GAR-3235	GAR-2210	GAR-1210	GAR-1235	GAL-1024	GAR-2106	GAR-105	X-157	X-358	GAG-1150	NONE
GAR-4541	GAR-2206B	GAR-2187A	GAR-1187A	GAL-1206B	GAL-1024B	GAR-2106	GAR-105	X-157	X-358	GAG-1150	NONE
GAR-4542	GAR-3235	GAR-2210	GAR-1210	GAR-1235	GAL-1024B	GAR-2106	GAR-105	X-157	X-358	GAG-1150	NONE
GAR-4543	GAR-2206B	GAR-2187A	GAR-1187A	GAL-1206B	GAL-1024	GAR-2097	GAR-96	X-156	GK-174	GAR-1177	GAR-95
GAR-4545	GAR-2206B	GAR-2187A	GAR-1187A	GAL-1206B	GAL-1024	GAR-2097	GAR-96	X-156	X-358	GAR-1177	GAR-95

Figure 6

(Issued 5-2-41)

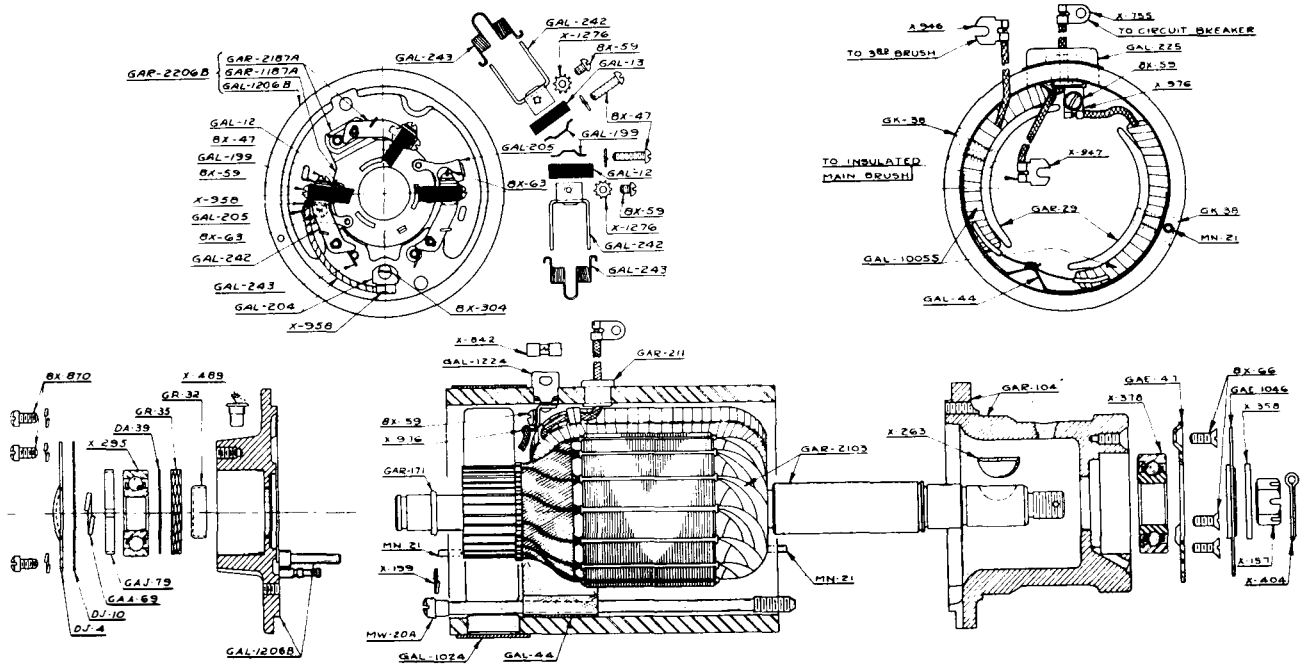
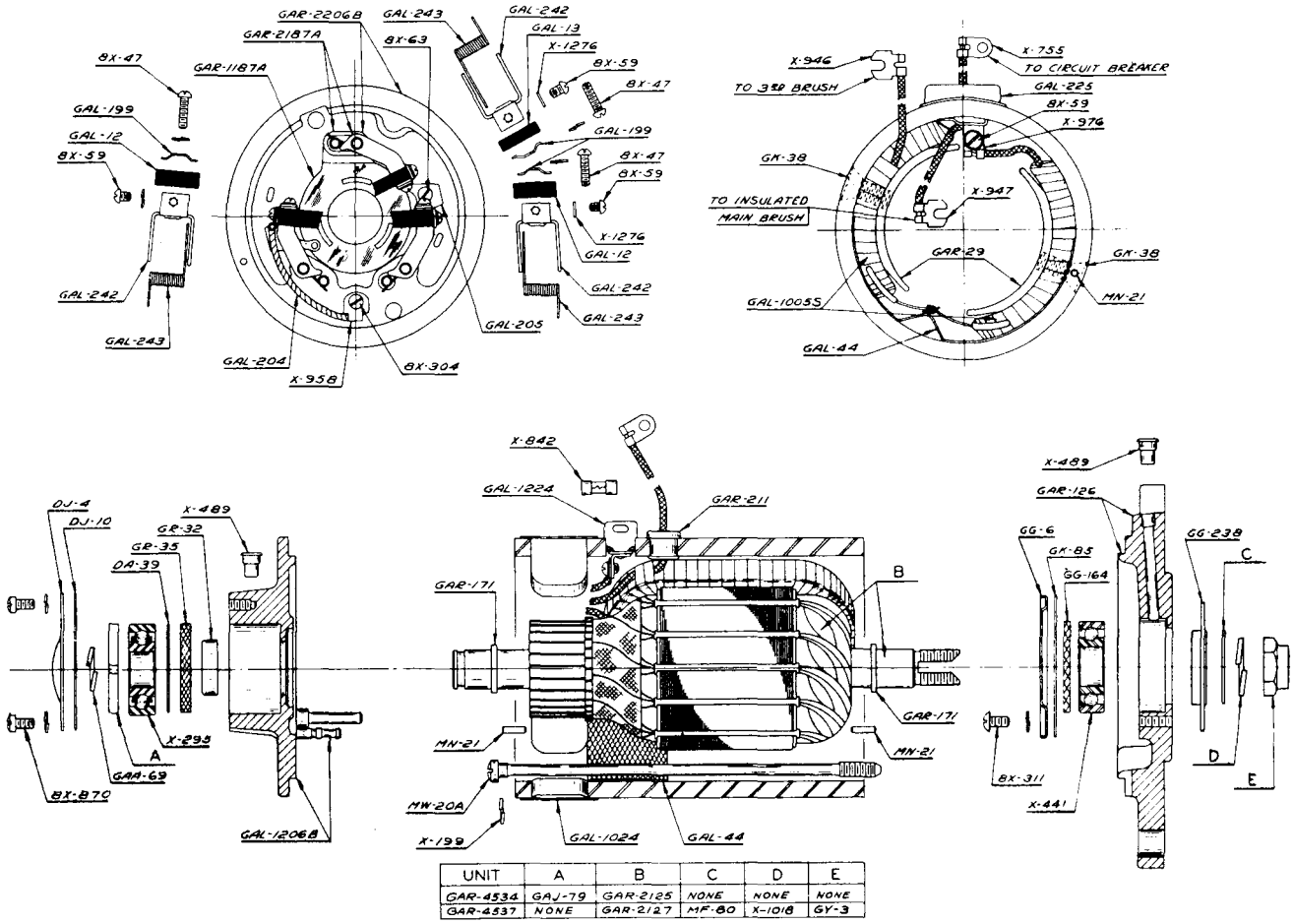


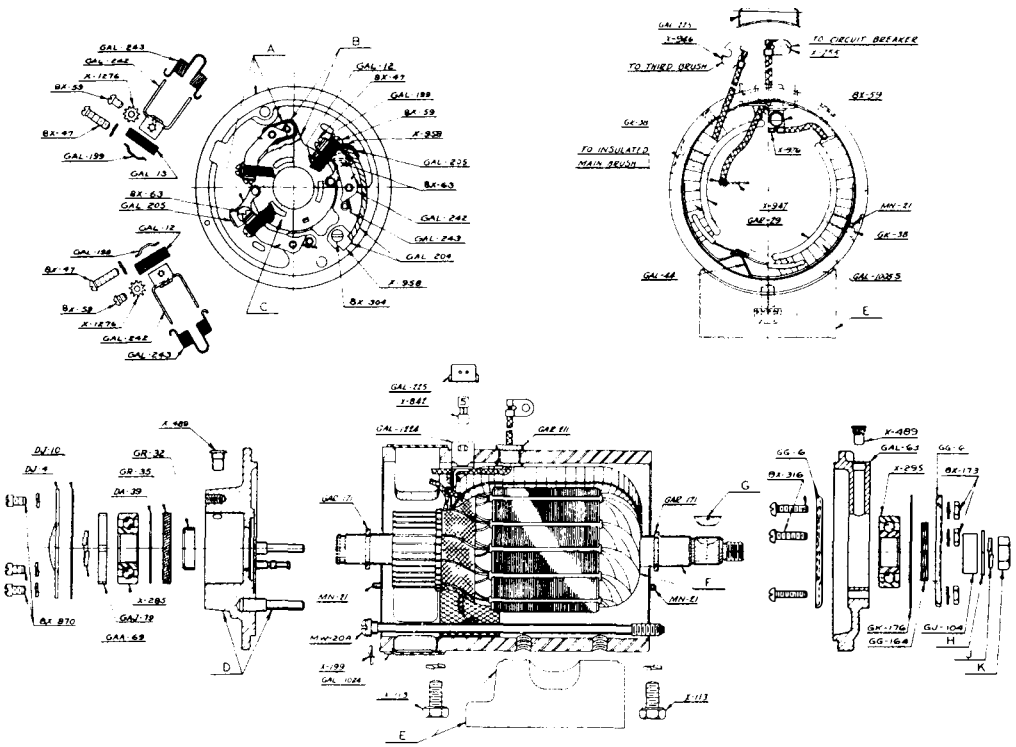
Figure 7



UNIT	A	B	C	D	E
GAR-4534	GAJ-79	GAR-2125	NONE	NONE	NONE
GAR-4537	NONE	GAR-2127	MF-80	X-1018	GY-3

Figure 8

(Issued 5-2-41)



UNIT	A	B	C	D	E	F	G	H	J	K
GAR-6535	GAR-2206B	GAR-2187A	GAR-1187A	GAL-2068	GAG-125S	GAR-2258	X-261	GJ-179	X-205	X-160
GAR-6536	GAR-3235	GAR-2210	GAR-1210	GAR-1235	GAG-125S	GAR-2258	X-261	GJ-179	X-205	X-160
GAR-6546	GAR-3235	GAR-2210	GAR-1210	GAR-1235	NONE	GAR-2258	X-261	GJ-179	X-205	X-160
GAR-6547	GAR-2206B	GAR-2187A	GAR-1187A	GAL-2068	NONE	GAR-2305	X-260	NONE	X-864	GBM-21
GAR-6549	GAR-2206B	GAR-2187A	GAR-1187A	GAL-2068	NONE	GAR-2258	X-261	GJ-179	X-205	X-160

Figure 9

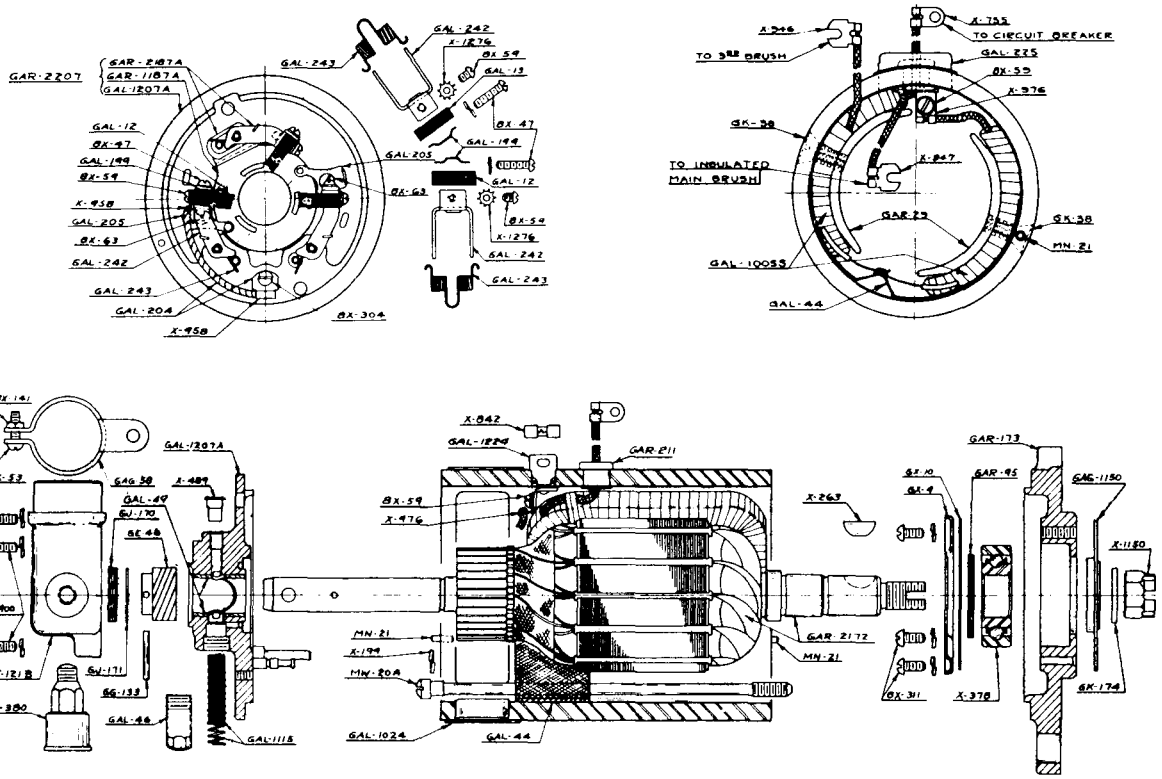
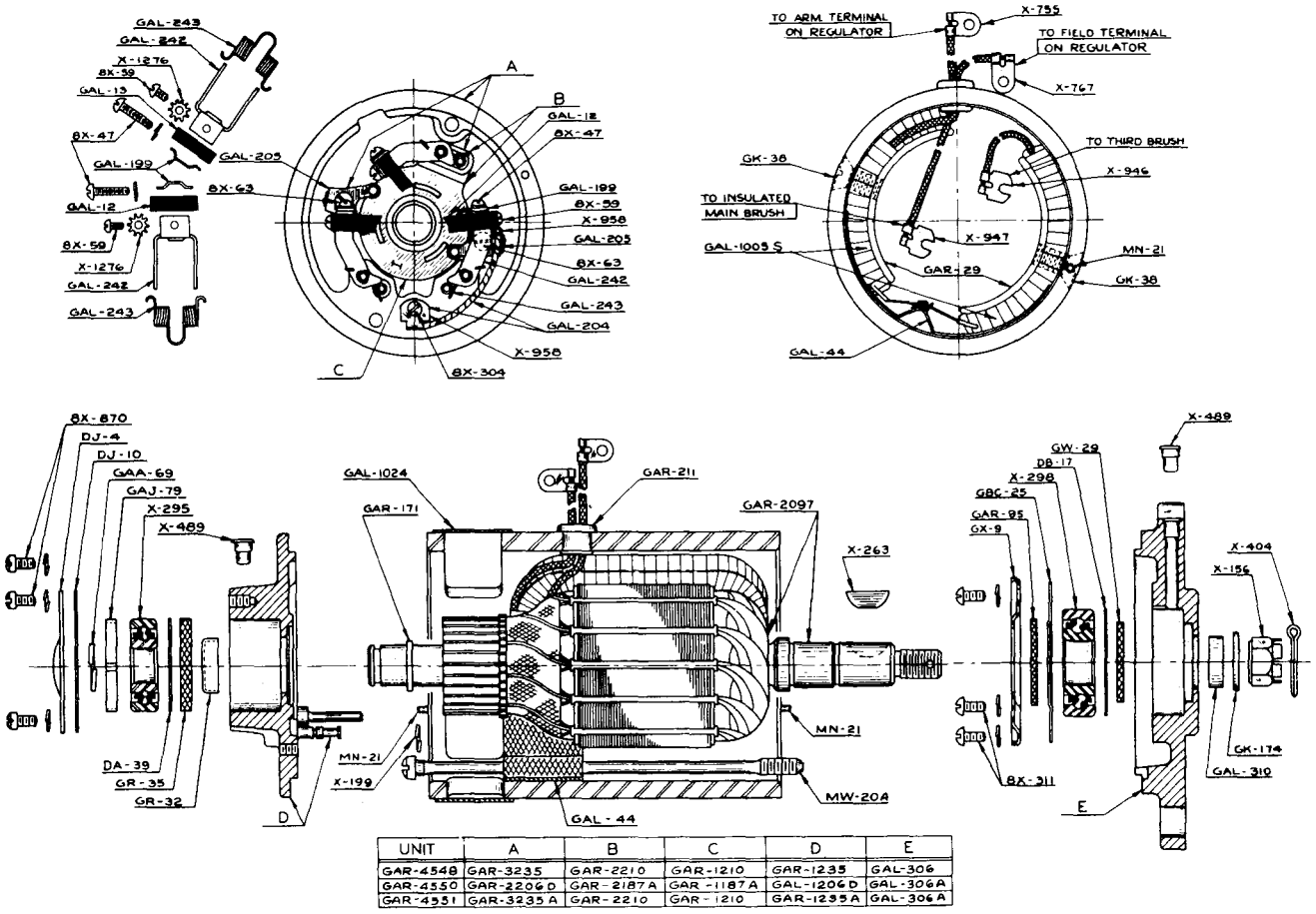


Figure 10

(Issued 5-2-41)



UNIT	A	B	C	D	E
GAR-4548	GAR-3235	GAR-2210	GAR-1210	GAR-1235	GAL-306
GAR-4550	GAR-2206 D	GAR-2187A	GAR-1187A	GAL-1206 D	GAL-306A
GAR-4551	GAR-3235 A	GAR-2210	GAR-1210	GAR-1235 A	GAL-306 A

Figure 11

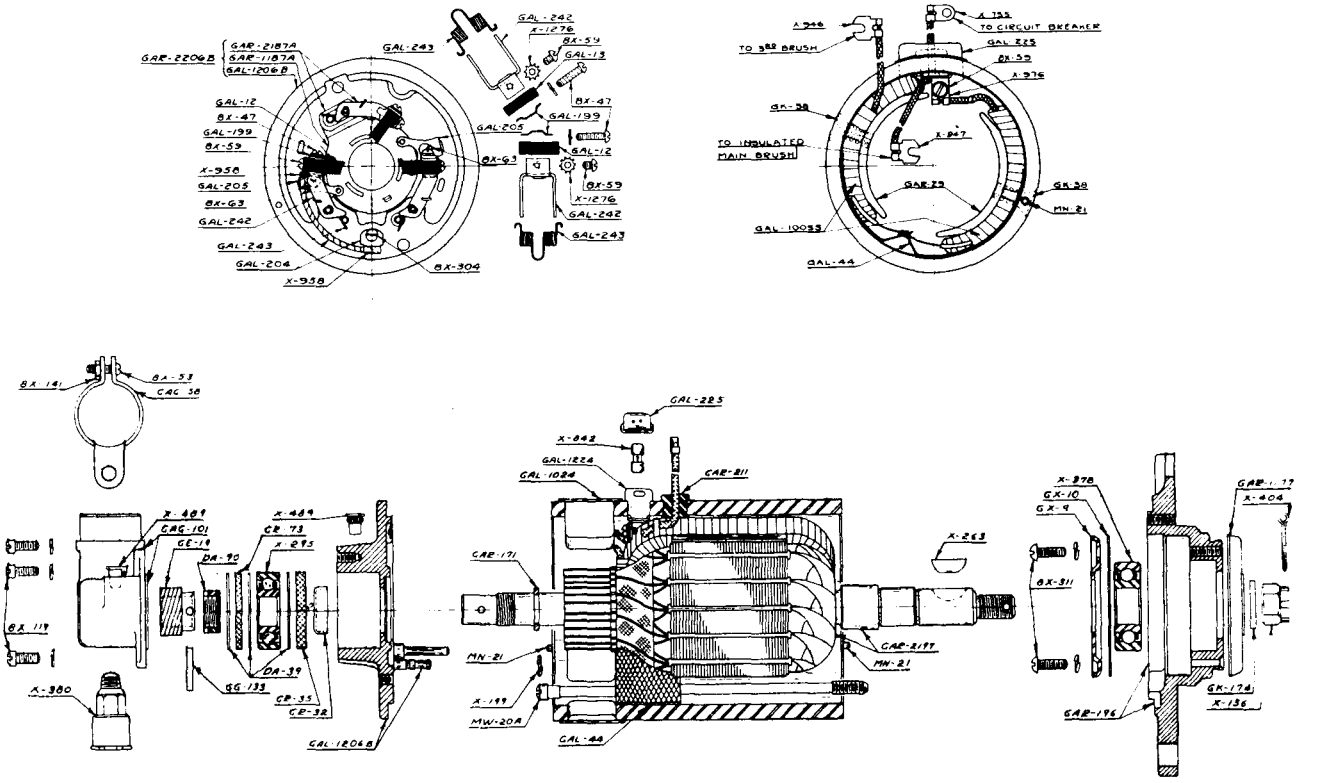


Figure 12

(Issued 5-2-41)

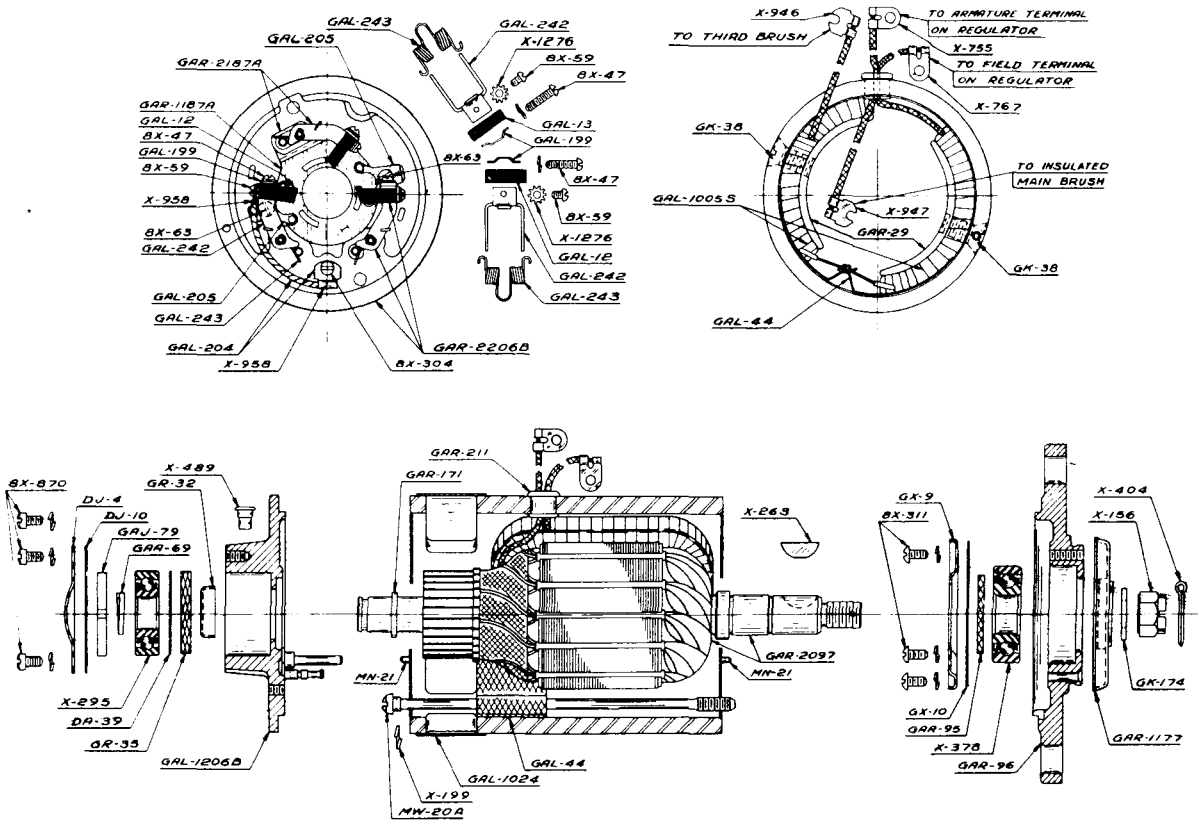
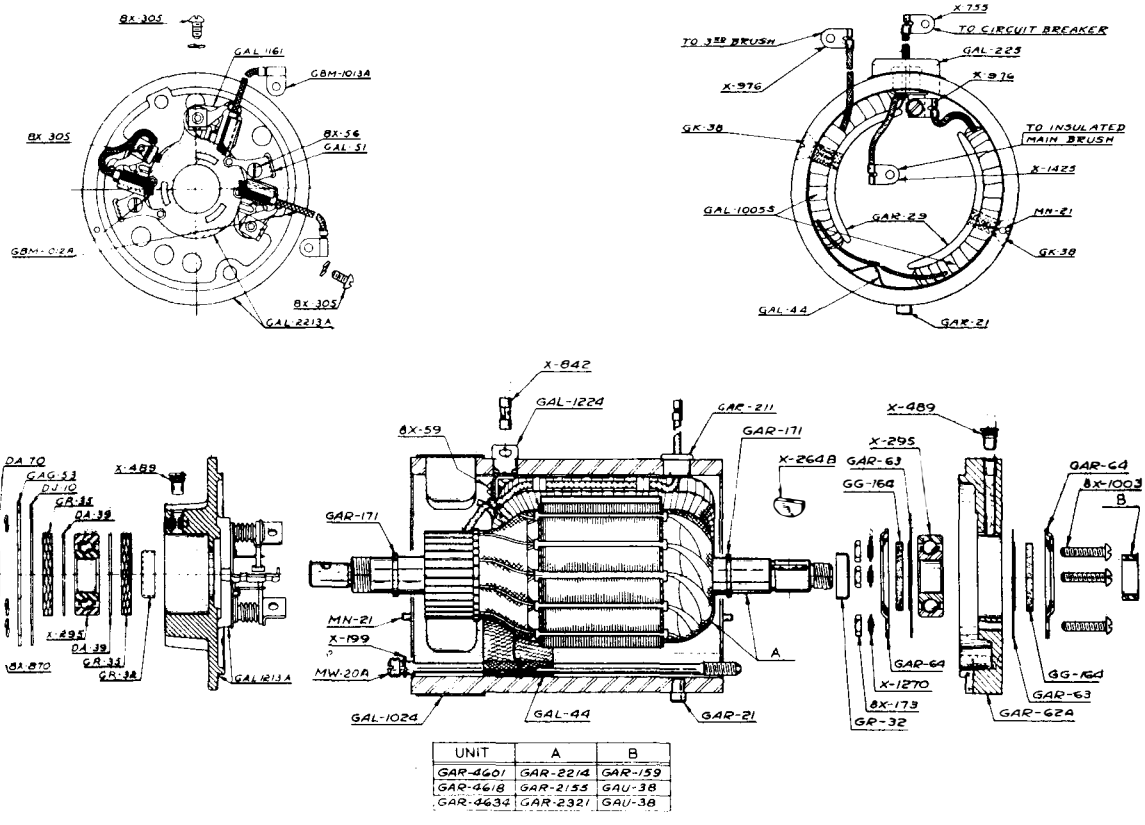


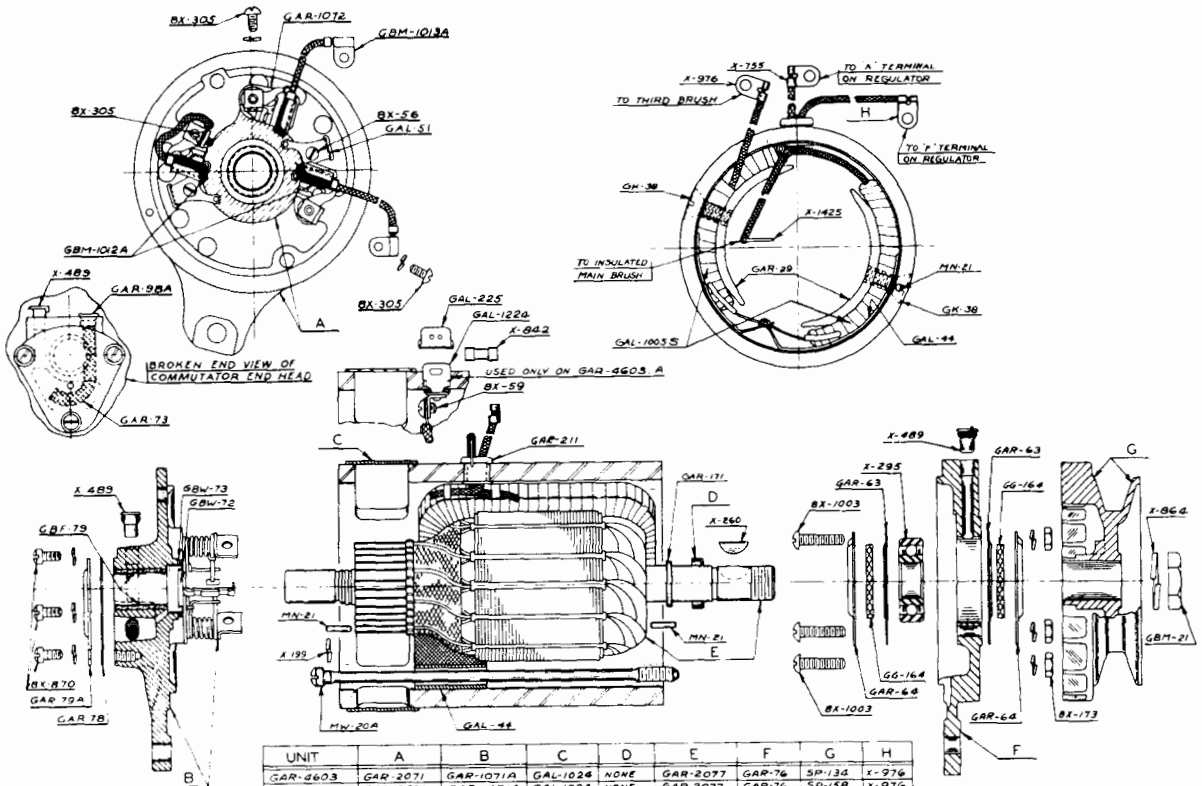
Figure 13



UNIT	A	B
GAR-4601	GAR-2214	GAR-159
GAR-4618	GAR-2155	GAU-38
GAR-4634	GAR-2321	GAU-38

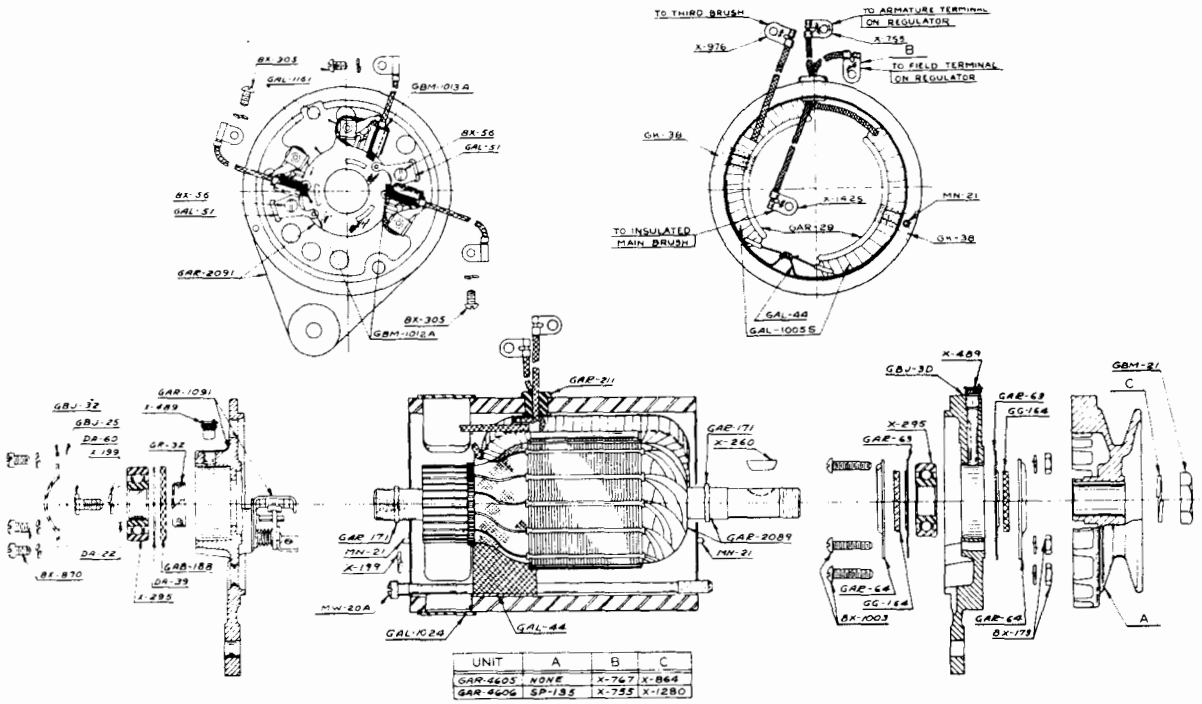
Figure 14

(Issued 5-2-41)



UNIT	A	B	C	D	E	F	G	H
GAR-4603	GAR-2071	GAR-1071A	GAL-1024	NONE	GAR-2077	GAR-76	SP-134	X-976
GAR-4603A	GAR-2071	GAR-1071A	GAL-1024	NONE	GAR-2077	GAR-76	SP-158	X-976
GAR-4608	GAR-2115E	GAR-1115A	GBM-24	GR-32	GAR-2116F	GBJ-3C	SP-153	X-767
GAR-4608A	GAR-2115E	GAR-1115A	GBM-24	GR-32	GAR-2116F	GBJ-3C	SP-157	X-767
GAR-4608B	GAR-2115E	GAR-1115A	GBM-24	GR-32	GAR-2116F	GBJ-3C	SP-152	X-767
GAR-4608C	GAR-2115E	GAR-1115A	GBM-24	GR-32	GAR-2116F	GBJ-3C	SP-161	X-767
GAR-4608D	GAR-2115E	GAR-1115A	GBM-24	GR-32	GAR-2116F	GBJ-3C	SP-162	X-767
GAR-4608E	GAR-2115E	GAR-1115A	GBM-24	GR-32	GAR-2116F	GBJ-3C	SP-1174	X-767
GAR-4608F	GAR-2115E	GAR-1115A	GBM-24	GR-32	GAR-2116F	GBJ-3C	SP-1220	X-767
GAR-4608H	GAR-2115E	GAR-1115A	GBM-24	GR-32	GAR-2116F	GBJ-3C	NONE	X-767
GAR-4609	GAR-2115E	GAR-1115A	GAL-1024	GR-32	GAR-2116F	GBJ-3C	NONE	X-767
GAR-4609A	GAR-2115E	GAR-1115A	GAL-1024	GR-32	GAR-2116F	GBJ-3C	SP-1182	X-767
GAR-4609B	GAR-2115E	GAR-1115A	GAL-1024	GR-32	GAR-2116F	GBJ-3C	SP-190	X-767
GAR-4611	GAR-2115E	GAR-1115A	GAL-1024C	GR-32	GAR-2116F	GBJ-3D	SP-156	X-767
GAR-4611A	GAR-2115E	GAR-1115A	GAL-1024C	GR-32	GAR-2116F	GBJ-3D	SP-185	X-767
GAR-4620	GAR-2115E	GAR-1115A	GAL-1024	GR-32	GAR-2116F	GBJ-3D	SP-135	X-755
GAR-4625	GAR-2071	GAR-1071A	GAL-1024	NONE	GAR-2077	GAR-76	SP-94	X-755
GAR-4630	GAR-2071	GAR-1071A	GAL-1024	NONE	GAR-2077	GAR-76	SP-191	X-755
GAR-4631	GAR-2115E	GAR-1115A	GAL-1024C	GR-32	GAR-2116F	GBJ-3C	SP-150	X-767

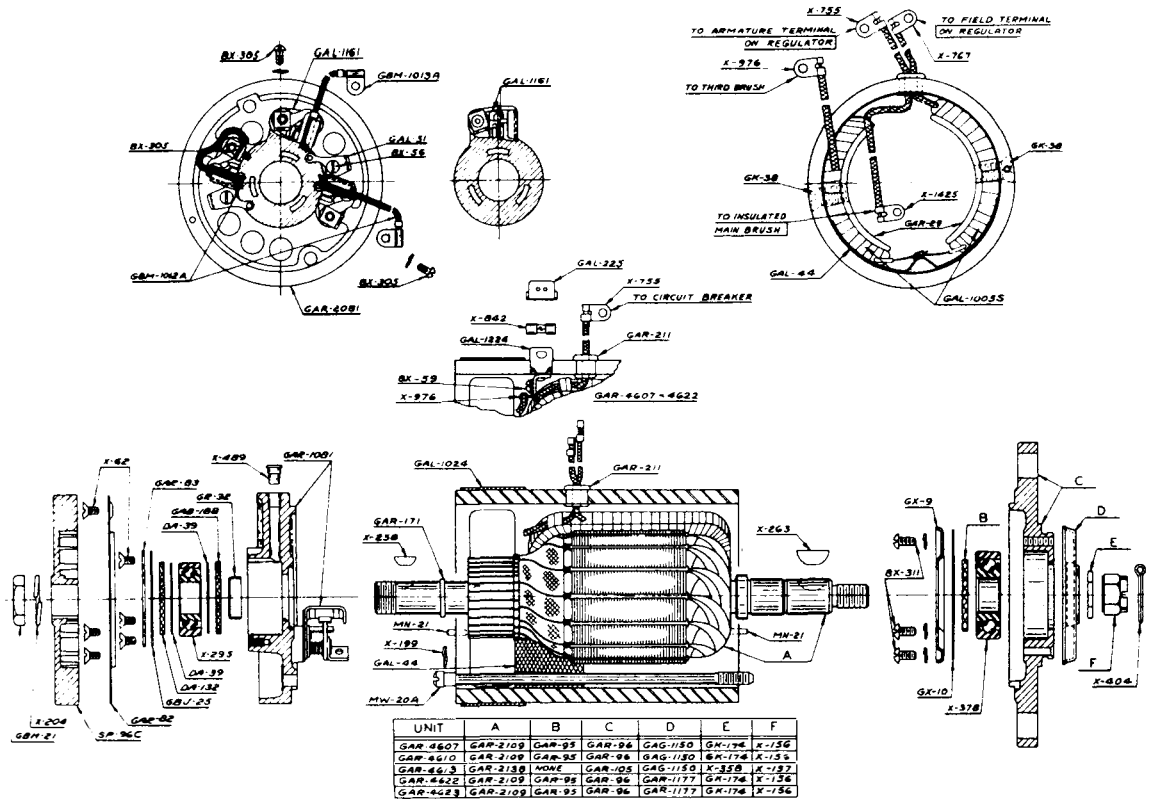
Figure 15



UNIT	A	B	C
GAR-4605	NONE	X-767	X-864
GAR-4606	SP-135	X-755	X-1280

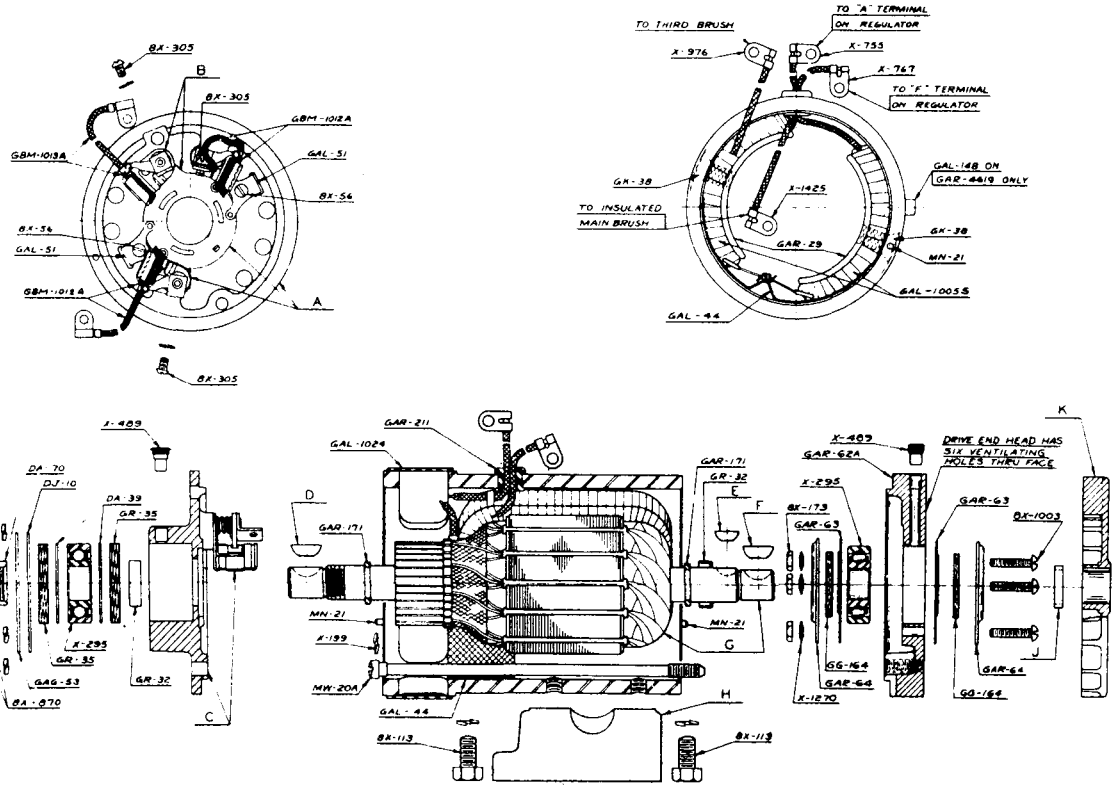
Figure 16

(Issued 5-2-41)



UNIT	A	B	C	D	E	F
GAR-4607	GAR-2109	GAR-95	GAR-96	GAG-1150	GK-174	X-156
GAR-4610	GAR-2109	GAR-95	GAR-96	GAG-1150	GK-174	X-155
GAR-4613	GAR-2138	NONE	GAR-105	GAG-1150	X-358	X-157
GAR-4622	GAR-2109	GAR-95	GAR-96	GAR-1177	GK-174	X-156
GAR-4623	GAR-2109	GAR-95	GAR-96	GAR-1177	GK-174	X-156

Figure 17



UNIT	A	B	C	D	E	F	G	H	J	K
GAR-4612	GAL-2213A	GAL-1161	GAL-1213A	X-261	X-258	X-261	GAR 2135	GAG-1255	NONE	SP-96C
GAR-4619	GAL 2213A	GAL-1161	GAL-1213A	NONE	NONE	X-264B	GAR-2158	NONE	GAR-159	NONE
GAR-4621	GAR-3175	GAR-2176	GAR-1175	X-261	X-258	X-261	GAR-2133	GAG-1255	NONE	SP-96C

Figure 18

(Issued 5-2-41)

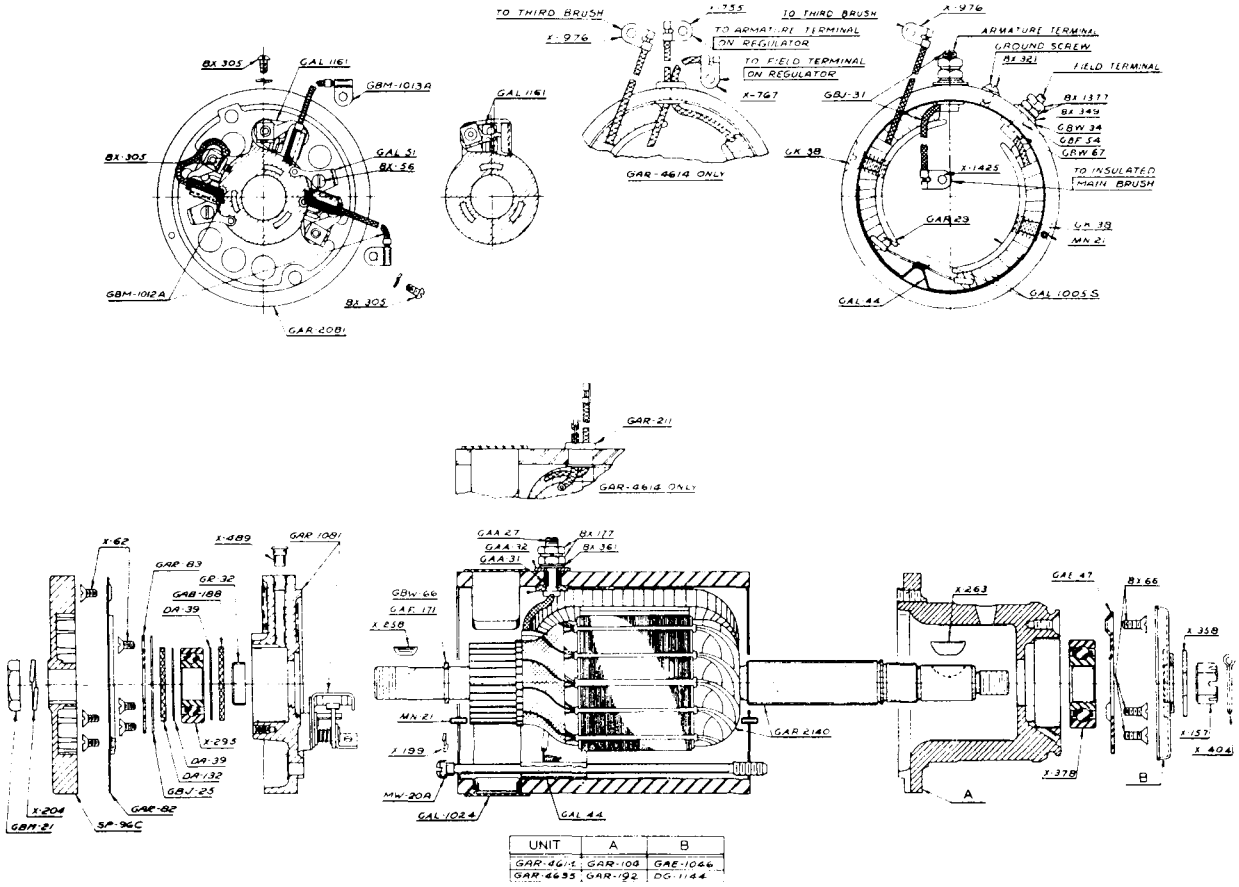


Figure 19

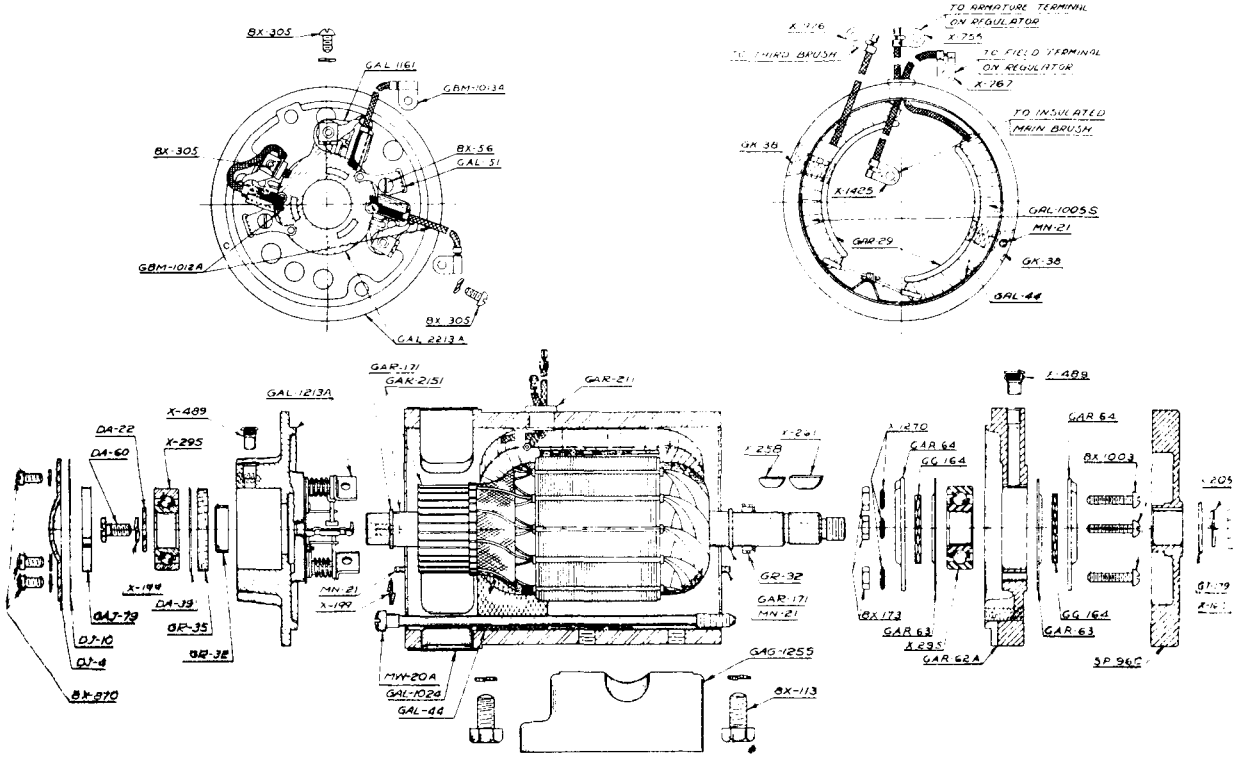
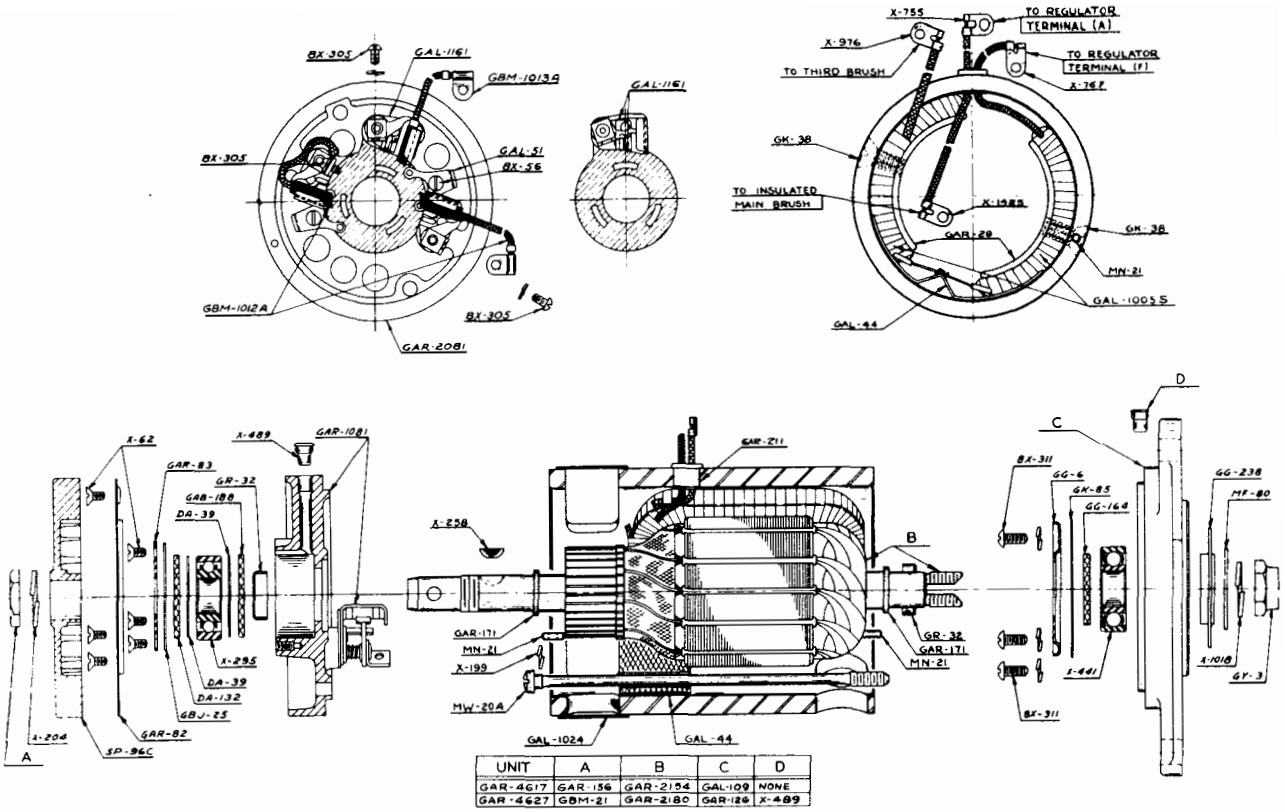


Figure 20

(Issued 5-2-41)



UNIT	A	B	C	D
GAR-4617	GAR-156	GAR-2154	GAL-109	NONE
GAR-4627	GBM-21	GAR-2180	GAR-126	X-489

Figure 21

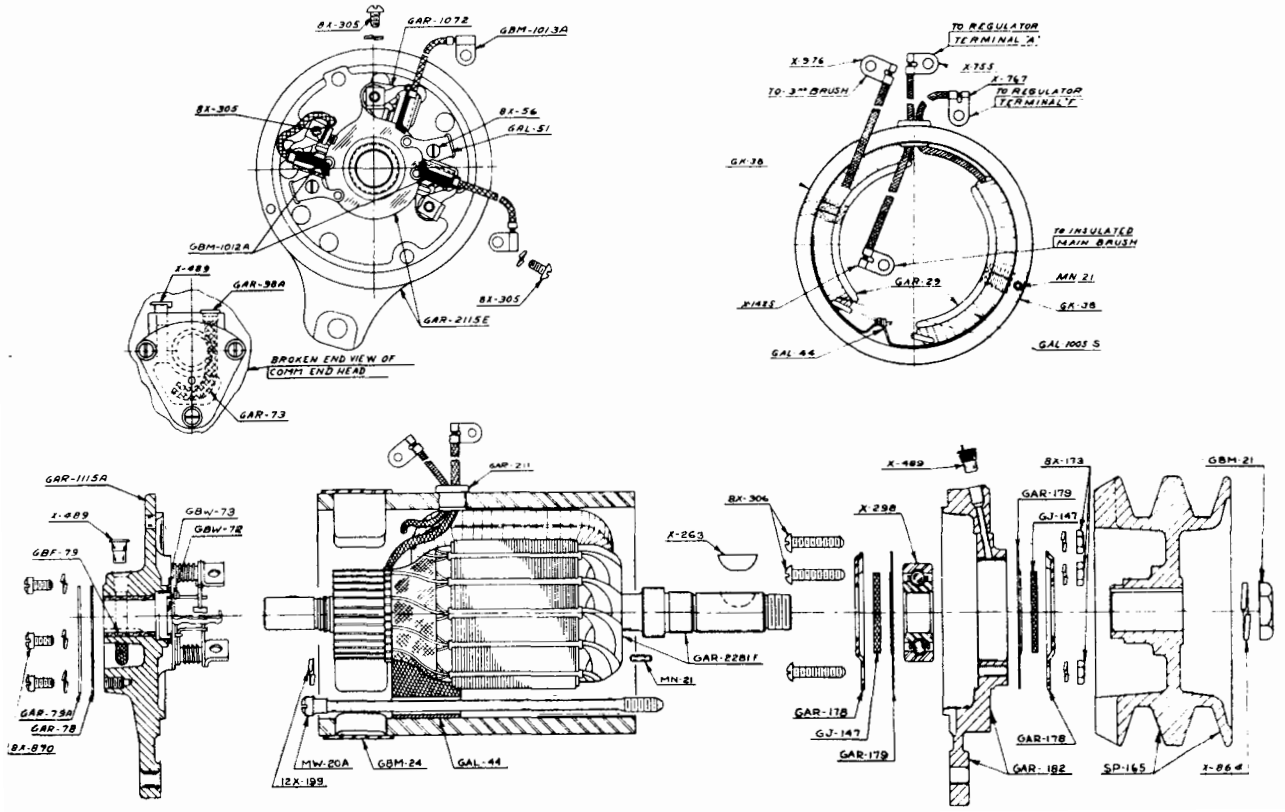


Figure 22

(Issued 5-2-41)

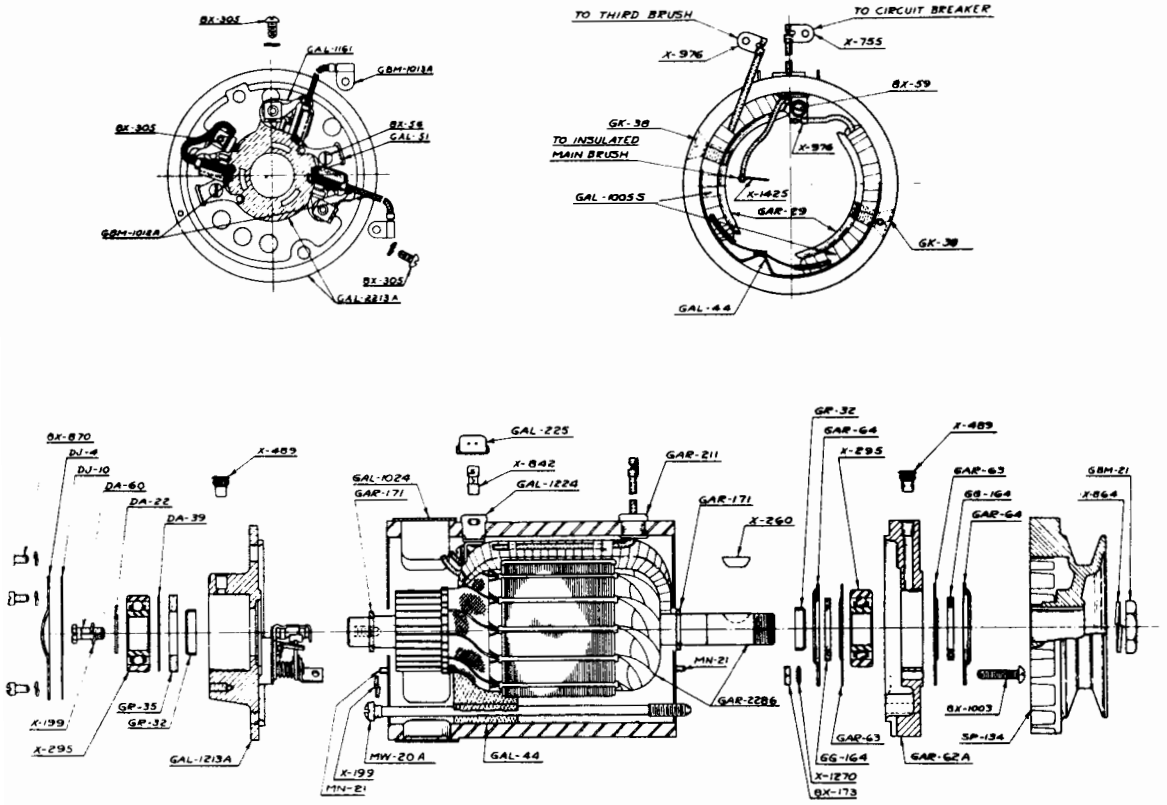
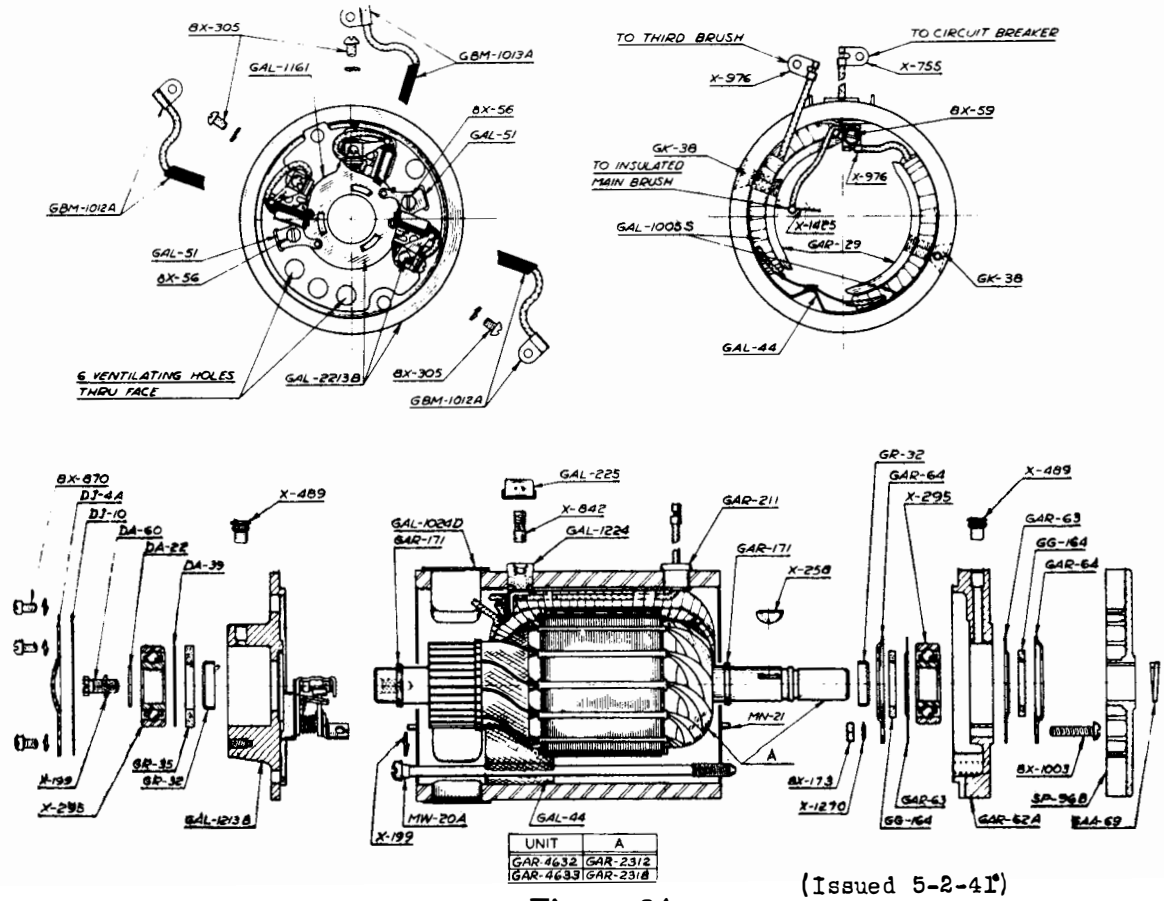


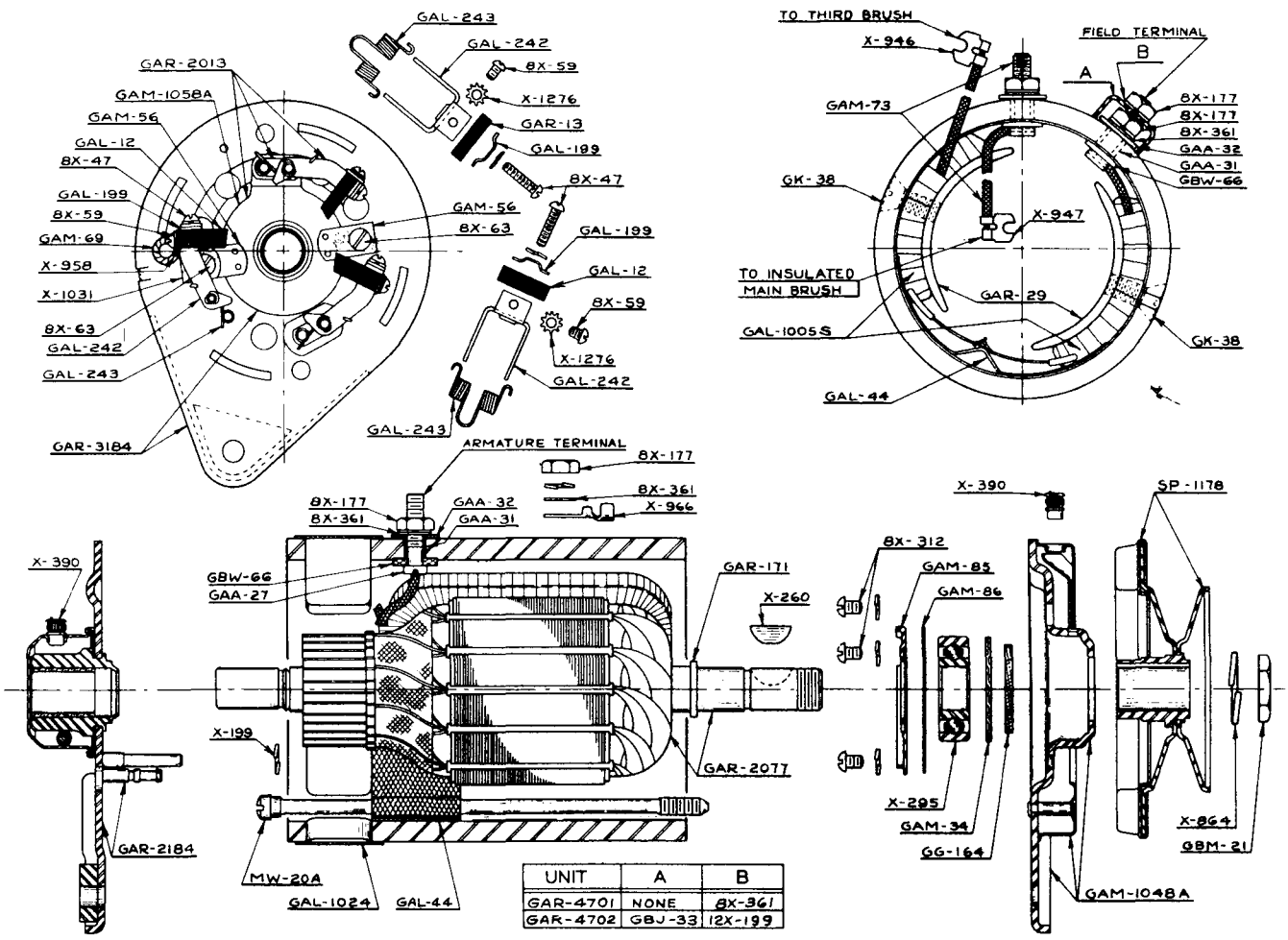
Figure 23



UNIT	A
GAR-4632	GAR-2312
GAR-4633	GAR-2318

(Issued 5-2-41)

Figure 24



UNIT	A	B
GAR-4701	NONE	8X-361
GAR-4702	GBJ-33	12X-199

Figure 25

GAR-4520 GENERATOR PARTS LIST GAR-4520

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAL-225	1	Cover, Fuse
(GAR-3054)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GAL-1224	1	Holder, Fuse
GAL-2005C	1	Coil Assy., Field, Comp.
GAL-1007B	1	Coil Assy., Field, Left
GAL-295	1	Lead Assy.
X-755	1	Terminal
X-947	1	Terminal
X-946	1	Terminal
GAL-1008D	1	Coil Assy., Field, Right
X-976	1	Terminal
GAR-211	1	Bushing, Insulating
GK-38	2	Screw, Pole Piece
MN-21	2	Pin, Dowel
8X-59	1	Screw, Rd. hd., #8-32x3/16
X-195	1	Washer, Lock, #8
MW-20A	2	Bolt, Thru
X-199	2	Washer, Lock, Thru Bolt, 1/4
X-842	1	Fuse, 5 Amps.

Comm. End Head Assembly & Parts Used With

GAL-1115	1	Wick Assy.
GAL-114	1	Wick
GAL-115	1	Spring
(GAR-3228A)	1	Head Assy., Comm. End
GAL-12‡	2	Brush, Main
GAL-40	1	Cover, Bearing
GAL-199	2	Block, Brush Screw
GAL-204	1	Lead Assy., Ground
X-958	2	Terminal
GAL-205	2	Spring, Retaining, 3rd Brush Plate
GAL-242	2	Holder, Brush
GAL-243	2	Spring, Brush
GAR-2213	1	Plate Assy., 3rd Brush
GAL-13‡	1	Brush
GAL-199	1	Block, Brush Screw
GAL-242	1	Holder, Brush
GAL-243	1	Spring, Brush
GAR-1213	1	Plate
8X-47	1	Screw, Rd. hd., #8-32x9/16
8X-59	1	Screw, Rd. hd., #8-32x3/16
X-195	1	Washer, Lock, #8
X-1276	1	Washer, Skpf., #8
GAR-2228	1	Head Assy., Partial. Comm. End
GAL-49	1	Bearing, Bronze
8X-47	2	Screw, Rd. hd., #8-32x9/16
8X-59	2	Screw, Rd. hd., #8-32x3/16
8X-63	2	Screw, Flat hd., #8-32x3/8
X-195	4	Washer, Lock, #8
8X-304	1	Screw, Rd. hd., #8-32x5/16
X-1276	1	Washer, Skpf., #8
		1 2 3 4 5

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
GJ-174	1	Cup, Oil
X-489	1	Oiler, Hinge Top, Press in, 1/4

Armature Assembly & Parts Used With

GAL-50	1	Washer, Plain, 5/8
GAR-3073	1	Armature Assy.
GAR-171	1	Snap Ring
GJ-104	1	Spacer, Armature Shaft
X-264	1	Key, Woodruff, #9

Drive End Head Assembly & Parts Used With

GAL-1063	1	Head Assy., Drive End
GAL-63	1	Head
GG-6	2	Retainer, Bearing
GG-164	1	Washer, Felt
GK-176	1	Retainer, Felt Washer
8X-173	3	Nut, Retainer Screw, Hex., #10-32
X-196	3	Washer, Lock, Retainer Screw, #10
X-295	1	Bearing, Ball, S.A.E. #203
8X-316	3	Screw, Retainer, Rd. hd., #10-32x3/4
X-489	1	Oiler, Hinge Top, Press in, 1/4

Miscellaneous Parts

CB-4014	1	Relay Assy., Cutout
CB-123	1	Spring, Armature
CB-160S	1	Cover
PX-55	1	Screw, Arm. Term., Bdg. hd., #10-32x3/16
X-196	2	Washer, Lock, Term. Sc., #10
8X-312	1	Screw, Bat. Term., Rd. hd., #10-32x1/4
GAL-1024B	1	Band, Cover
X-196	2	Washer, Lock, Cutout Relay Mtg., #10
8X-308	1	Screw, Rd. hd., #10-32x1 3/8
8X-321	2	Screw, Mtg., Cutout Relay, Rd. hd., #10-32x5/16
8X-794	1	Nut, Cover Band, Square, #10-32
		1 2 3 4 5

(Issued 3-10-44)

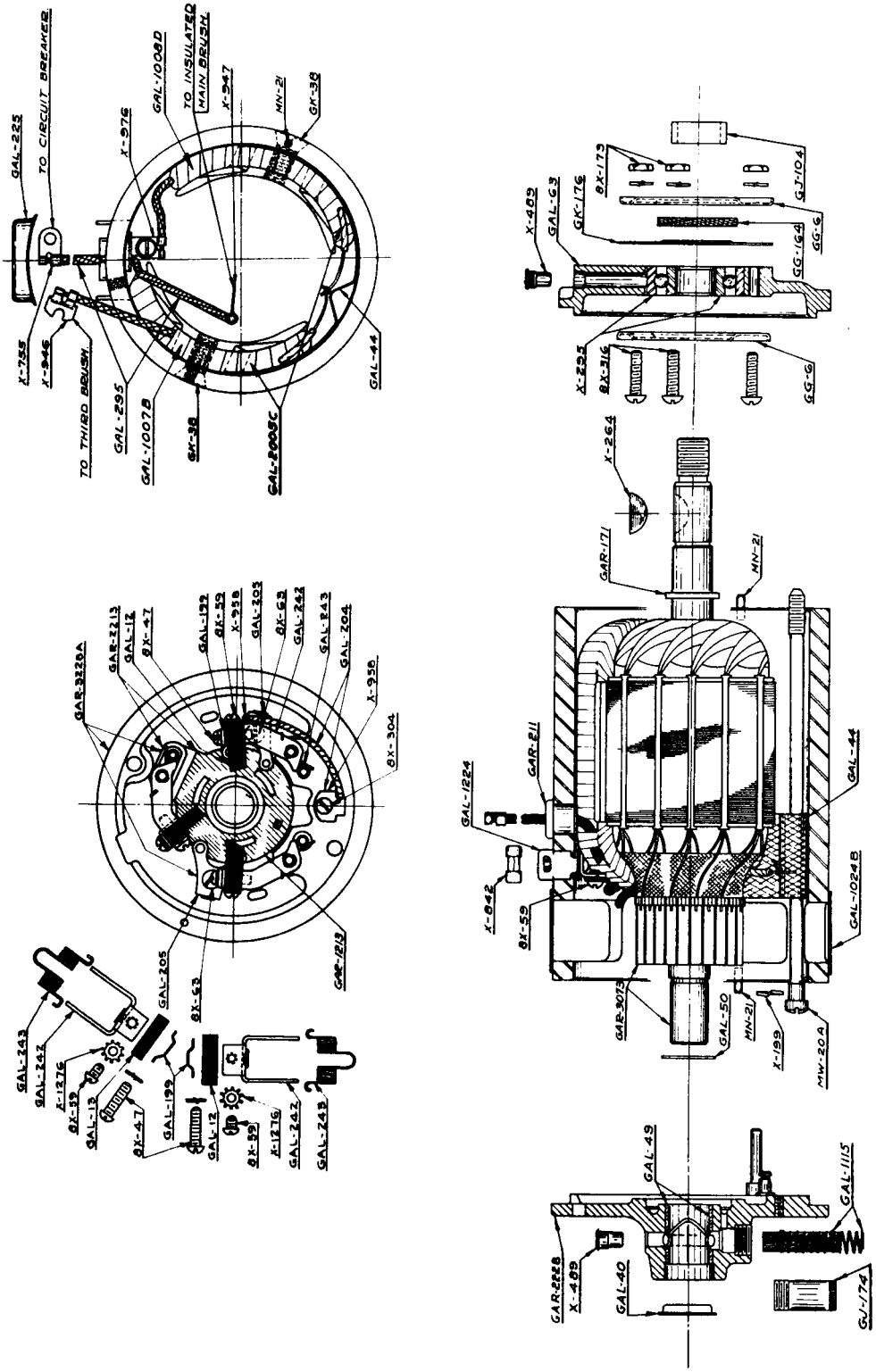
‡ Brush Set. Service, GAL-2012.

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File in Equipment & Parts List Binder

NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GAR-4520 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAL-225	1	Cover, Fuse
(GAR-3054)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GAL-1224	1	Holder, Fuse
GAL-2005C	1	Coil Assy., Field, Comp.
GAL-1007B	1	Coil Assy., Field, Left
GAL-295	1	Lead Assy.
X-755	1	Terminal
X-947	1	Terminal
X-946	1	Terminal
GAL-1008D	1	Coil Assy., Field, Right
X-976	1	Terminal
GAR-211	1	Bushing, Insulating
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel, Head Locating
8X-59	1	Screw, Lead, Rd. hd., #8-32x3/16
X-195	1	Washer, Lock, Lead Sc., #8
MW-20A	2	Bolt, Thru
X-199	2	Washer, Lock, Thru Bolt, 1/4
X-842	1	Fuse, 5 Amps.

Comm. End Head Assembly & Parts Used With

DA-39	1	Washer, Plain, Felt Retaining
DJ-4	1	Cover, Comm. End
DJ-10	1	Gasket, C.E. Cover
GAA-69	1	Lock Ring
GAJ-79	1	Spacer, Bearing
(GAR-3235)	1	Head Assy., Comm. End
GAL-12‡	2	Brush, Main
GAL-199	2	Block, Brush Screw
GAL-204	1	Lead Assy., Ground
X-958	2	Terminal
GAL-205	2	Spring, Retaining, 3rd. Brush Plate
GAL-242	2	Holder, Brush
GAL-243	2	Spring, Brush
GAR-1235	1	Head, Comm. End
GAR-2210	1	Plate Assy., 3rd. Brush
GAL-13‡	1	Brush, Third
GAL-199	1	Block, Brush Screw
GAL-242	1	Holder, Brush
GAL-243	1	Spring, Brush
GAR-1210	1	Plate, 3rd. Brush
8X-47	1	Screw, Brush, Rd. hd., #8-32x9/16
8X-59	1	Screw, Lead, Rd. hd., #8-32x3/16
X-195	1	Washer, Lock, Brush Screw, #8
X-1276	1	Washer, Skpf., Lead Screw, #8
		1 2 3 4 5

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
8X-47	2	Screw, Brush, Rd. hd., #8-32x9/16
8X-59	2	Screw, Lead, Rd. hd., #8-32x3/16
8X-63	2	Screw, Plate Retaining, Flat hd., #8-32x3/8
X-195	4	Washer, Lock, Brush & Lead Screw, #8
8X-304	1	Screw, Ground, Rd. hd., #8-32x5/16
X-1276	1	Washer, Skpf., Lead Sc., #8
GR-32	1	Retainer, Felt Washer
GR-35	1	Washer, Felt
X-295	1	Bearing, Ball, S.A.E. #203
X-489	1	Oiler, Hinge Top, Press in, 1/4
X-544	3	Washer, Lock, Cover Holding Screw, #10
8X-870	3	Screw, Cover Holding, Fil. hd., #10-32x5/16

Armature Assembly & Parts Used With

GAG-1150	1	Oil Thrower
GAR-2106	1	Armature Assembly
GAR-171	1	Snap Ring
X-157	1	Nut, Armature Shaft, Hex., 1/2-20
X-263	1	Key, Woodruff, #8
X-358	1	Washer, Plain, Arm. Shaft, 1/2
X-404	1	Pin, Cotter, 3/32x1

Drive End Head Assembly & Parts Used With

GAR-1105	1	Head Assy., Drive End
GAR-105	1	Head, Drive End
GX-9	1	Retainer, Bearing
GX-10	1	Gasket, Retainer
X-196	3	Washer, Lock, Retainer Sc., #10
8X-311	3	Screw, Retainer, Rd. hd., #10-32x3/8
X-378	1	Bearing, Ball, Shielded, S.A.E. #204

Miscellaneous Parts

CB-4014	1	Relay Assy., Cutout
GAL-1024B	1	Band, Cover
X-196	2	Washer, Lock, Cutout Relay Mtg., #10
8X-308	1	Screw, Cover Band, Rd. hd., #10-32x1 3/8
8X-321	2	Screw, Mtg., Cutout Relay, Rd. hd., #10-32x5/16
8X-794	1	Nut, Cover Band, Square, #10-32
		1 2 3 4 5

(Issued 5-16-44)

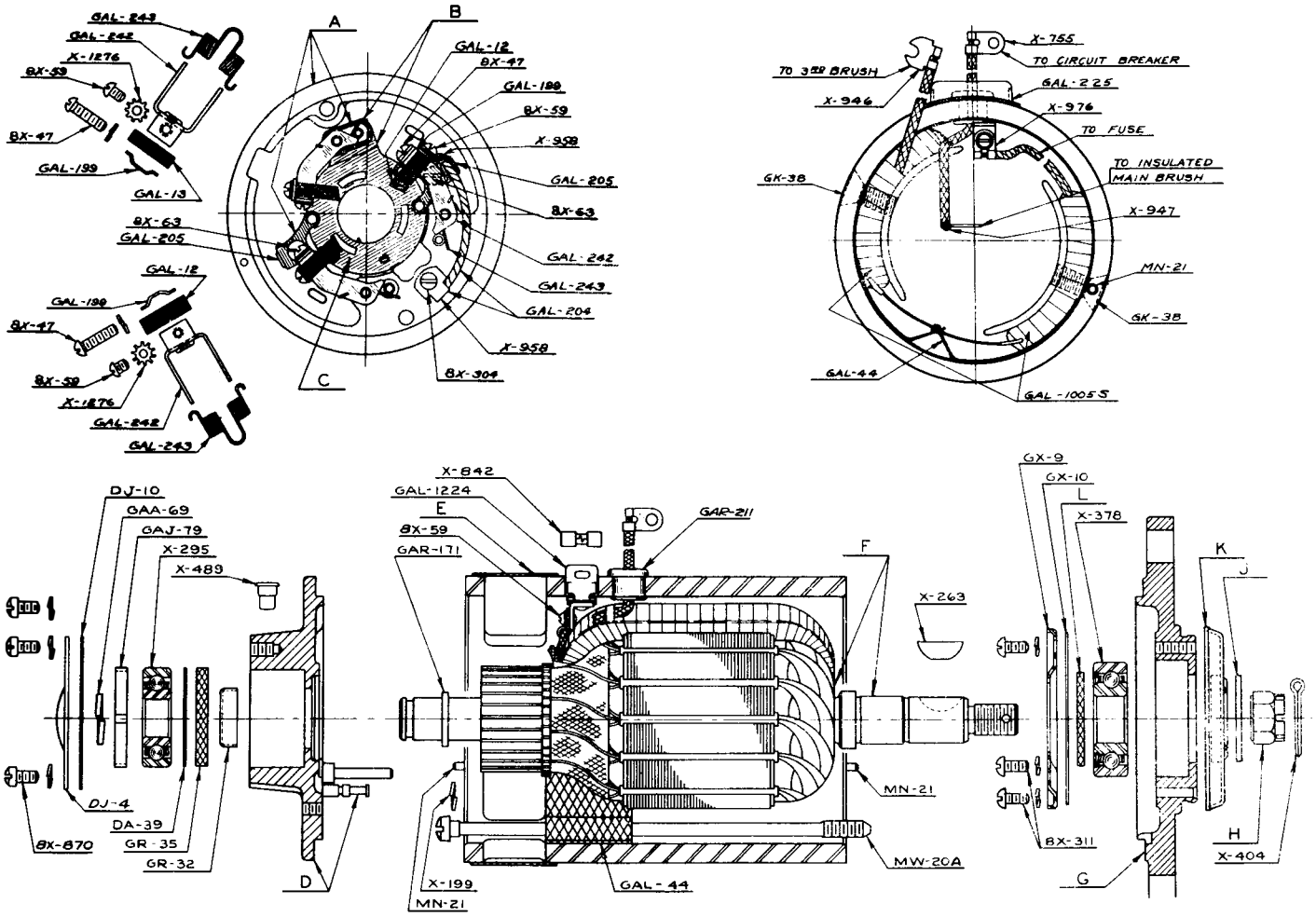
‡ Brush Set, Service, GAL-2012.

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

File in Equipment & Parts List Binder

GAR-4542 GENERATOR ILLUSTRATION



UNIT	A	B	C	D	E	F	G	H	J	K	L
GAR-4542	GAR-3235	GAR-2210	GAR-1210	GAR1235	GAL-1024B	GAR-2106	GAR-105	X-157	X-358	GAG-1150	NONE

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAL-225	1	Cover, Fuse
(GAR-2304)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GAL-1224	1	Holder, Fuse
GAL-1005AD	1	Coil Assy., Field, Comp.
GAL-1007N	1	Coil Assy., Field, Left
GAL-146	1	Lead Assy.
X-755	1	Terminal
X-947	1	Terminal
X-946	1	Terminal
GAL-1008D	1	Coil Assy., Field, Right
X-976	1	Terminal
GAR-211	1	Bushing, Insulating
GK-38	2	Screw, Pole Piece
MN-21	2	Pin, Dowel
8X-59	1	Screw, Rd. hd., #8-32x3/16
X-195	1	Washer, Lock, #8
MW-20A	2	Bolt, Thru
X-199	2	Washer, Lock, Thru Bolt, 1/4
X-842	1	Fuse, 5 Amps.

Comm. End Head Assembly & Parts Used With

DA-39	1	Washer, Plain
DJ-4	1	Cover, Comm. End Cap
DJ-10	1	Gasket, End Cap Cover
GAA-69	1	Lock Ring
GAJ-79	1	Spacer, Bearing
(GAR-2206B)	1	Head Assy., Comm. End
GAL-12‡	2	Brush, Main
GAL-199	2	Block, Brush Screw
GAL-204	1	Lead Assy., Ground
X-958	2	Terminal
GAL-205	2	Spring, Retaining, 3rd Brush Plate
GAL-242	2	Holder, Brush
GAL-243	2	Spring, Brush
GAL-1206B	1	Head
GAR-2187A	1	Plate Assy., 3rd Brush
GAL-13‡	1	Brush
GAL-199	1	Block, Brush Screw
GAL-242	1	Holder, Brush
GAL-243	1	Spring, Brush
GAR-1187A	1	Plate, 3rd Brush
8X-47	1	Screw, Rd. hd., #8-32x9/16
8X-59	1	Screw, Rd. hd., #8-32x3/16
X-195	1	Washer, Lock, #8
X-1276	1	Washer, Skpf., #8
8X-47	2	Screw, Rd. hd., #8-32x9/16
8X-59	2	Screw, Rd. hd., #8-32x3/16
8X-63	2	Screw, Flat hd., #8-32x3/8
X-195	4	Washer, Lock, #8
8X-304	1	Screw, Rd. hd., #8-32x5/16
X-1276	1	Washer, Skpf., #8
GR-32	1	Retainer, Felt Washer
GR-35	1	Washer, Felt
		1 2 3 4 5

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
X-295	1	Bearing, Ball, S.A.E. #203
X-489	1	Oiler, Hinge Top, Press in, 1/4
X-544	3	Washer, Lock, Cover Holding Screw, #10
8X-870	3	Screw, Cover Holding, Fil. hd., #10-32x5/16

Armature Assembly & Parts Used With

GAR-2305	1	Armature Assy.
GAR-171	2	Snap Ring
GBM-21	1	Nut, Armature Shaft
GJ-104	1	Spacer, Armature Shaft
X-260	1	Key, Woodruff, #5
X-864	1	Washer, Lock, .669

Drive End Head Assembly & Parts Used With

GAL-1063	1	Head Assy., Drive End
GAL-63	1	Head
GG-6	2	Retainer, Bearing
GG-164	1	Washer, Felt
GK-176	1	Retainer, Felt Washer
8X-173	3	Nut, Retainer Screw, Hex., #10-32
X-196	3	Washer, Lock, Retainer Sc., #10
X-295	1	Bearing, Ball, S.A.E. #203
8X-316	3	Screw, Retainer, Rd. hd., #10-32x3/4
X-489	1	Oiler, Hinge Top, Press in, 1/4

Miscellaneous Parts

CB-4014	1	Relay Assy., Cutout
CB-123	1	Spring, Armature
CB-160S	1	Cover
PX-55	1	Screw, Arm. Term., Bdg. hd., #10-32x3/16
X-196	2	Washer, Lock, Term. Sc., #10
8X-312	1	Screw, Bat. Term., Rd. hd., #10-32x1/4
GAL-1024C	1	Band, Cover
X-196	2	Washer, Lock, Cap Screw, #10
8X-321	2	Screw, Mtg., Cutout Relay, Rd. hd., 10-32x5/16
X-715	1	Screw, Cover Band, Rd. hd., #10-32x1 1/4
8X-794	1	Nut, Cover Band, Square, #10-32
		1 2 3 4 5

(Issued 3-10-44)

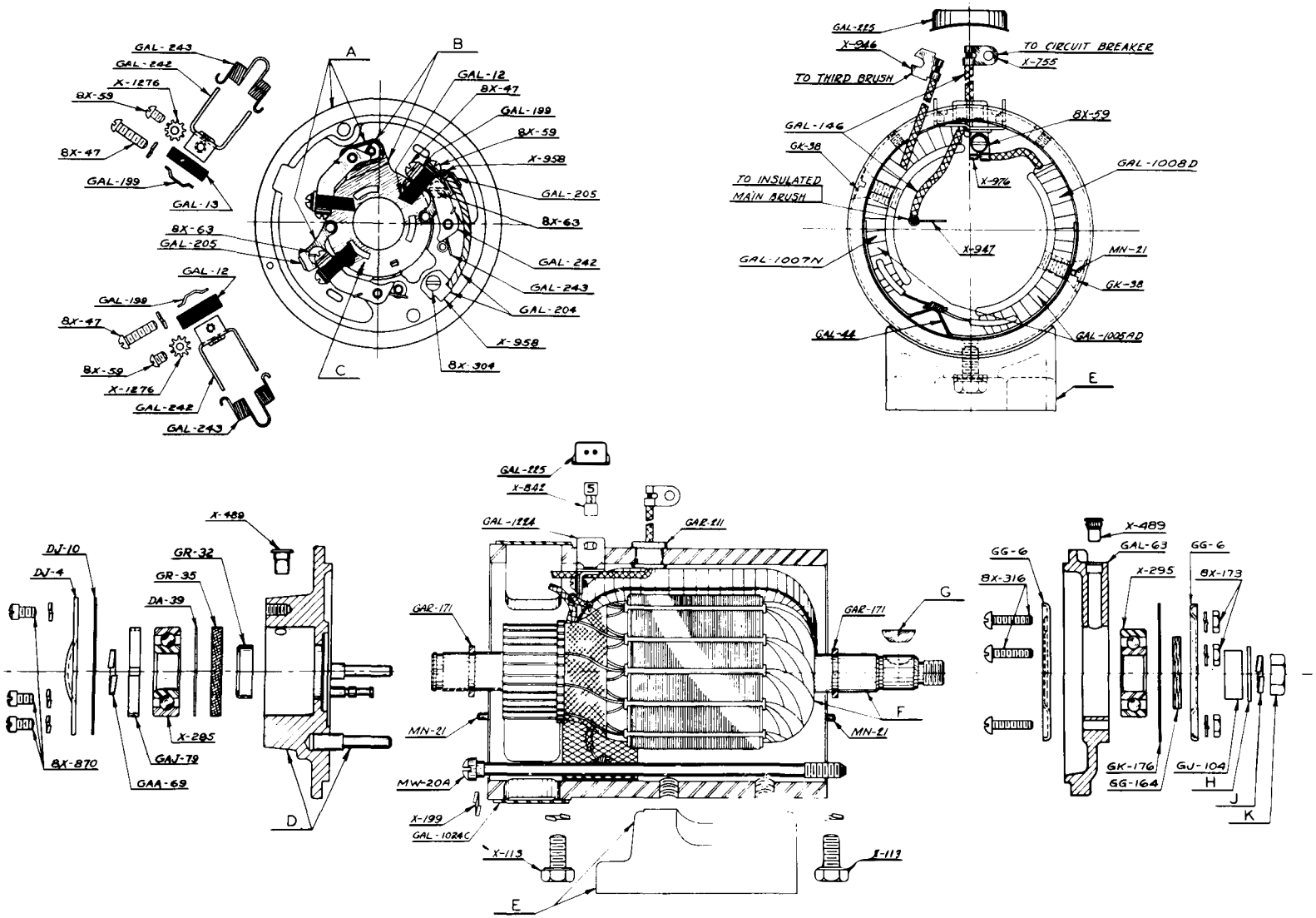
‡ Brush Set, Service, GAL-2012.

Printed in U. S. A. 43

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GAR-4547 GENERATOR ILLUSTRATION



UNIT	A	B	C	D	E	F	G	H	J	K
GAR-4547	GAR-2206B	GAR-2187A	GAR-1187A	GAL-1206B	NONE	GAR-2305	X-260	NONE	X-864	GBM-21

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-20	2	Frame Screw
(GAS-3085)	1	Frame & Field Assy.
GAS-29	2	Pole Piece
GAS-44	1	Field Connection Ins.
GAS-45	4	Field Coil Holder
GAS-86	1	C.B. Lead Assy.
X-1423	1	Terminal
GAS-2005	1	Field Coil Assy. - Comp.
GAS-1007A	1	Field Coil Assy. - Left
X-1424	1	Terminal
GAS-1008A	1	Field Coil Assy. - Right
X-959	1	Terminal
GT-7	1	Insulating Tube
MN-21	2	Dowel Pin
MZ-38	2	Pole Piece Screw
X-140	1	#6-32 Hex. Nut
X-755	1	Terminal
X-1275	1	#8 Skpf. Washer
X-1350	1	#6-32x7/16 Flat Hd. Screw
X-544	2	#10 Lock Washer

Comm. End Plate Assembly & Parts Used With

GAS-69	1	Comm. End Cap Cover
GAS-70	1	End Cap Cover Gasket
GAS-71	1	Brg. Retaining Washer
GAS-77	1	Felt Washer
GAS-78	1	Felt Washer Retainer
*	1	Comm. End Plate Assy.
GAS-51	2	3rd Brush Plate Retain'g Spring
GAS-68	1	Comm. End Plate
GAS-2021L	1	Brush Holder Plate Assy.
CAL-31	1	Ground Connector Assy.
X-958	2	Terminal
GAS-12‡	2	Brush - Main
GAS-15	2	Brush Holder
GAS-17	1	Brush Spring
GAS-18	1	Brush Spring
GAS-1021L	1	Brush Holder Plate Part Assembly
8X-878	2	#8-32x7/16 Fill. Hd. Sc
X-1275	2	#8 Skpf. Washer
*	1	3rd Brush Holder Plate Assembly
GAS-13‡	1	Brush - Third
GAS-15	1	Brush Holder
GAS-18	1	Brush Spring
*	1	3rd Brush Holder Plate Part Assembly
		1 2 3 4 5

Comm. End Plate Assembly (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
X-1275	1	#8 Skpf. Washer
8X-1349	1	#8-32x3/8 Fill. Hd. Sc.
8X-55	3	#8-32x3/8 Rd. Hd. Screw
X-195	1	#8 Lock Washer
X-489	1	1/4 Oiler - Press in Type
IA-175	1	Flat Steel Washer
8X-61	1	#10-32x7/16 Flat Hd. Screw
X-63	3	#8-32x3/8 Flat Hd. Screw
X-293	1	Ball Brg. - S.A.E. #201

Armature Assembly & Parts Used With

*	1	Armature Shaft Spacer
GAS-3076	1	Armature Assembly
GAS-53	1	Snap Ring
IA-158	1	Snap Ring
X-160	1	7/16-20 Hex. Nut
X-1278	1	7/16 Skpf. Washer
X-1460	1	#212 Woodruff Key
*	1	Drive Pulley

Drive End Head Assembly & Parts Used With

GAS-1075	1	Drive End Head Assembly
DB-13	1	Flat Felt Guard
GAS-73	1	Cupped Felt Guard
GAS-74	1	Bearing Retainer
GAS-75	1	D.E. Head
IGP-34	1	Felt Wick
SC-127	1	Felt Washer
8X-55	3	#8-32x3/8 Rd. Hd. Screw
X-195	3	#8 Lock Washer
X-294	1	Ball Brg. - S.A.E. #202
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

CB-4014	1	Circuit Breaker Assy.
CB-123	1	Armature Spring
CB-160	1	C.B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Screw
GAS-87	2	C.B. Spacer
*	1	Head Band Assy.
X-196	2	#10 Lock Washer
8X-311	2	#10-32x3/8 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 12-23-36)

Assembly No.	C.E. Plate Assy.	3rd Br. Plate	3rd Br. Plate Part	Hd. Band Assy.	Drive Pulley	Spacer
GAS-4102	GAS-3068	GAS-2072L	GAS-1072L	GAS-1024	None	GAS-89
GAS-4102-1	GAS-3068A	GAS-2072LA	GAS-1072LA	GAS-1024A	None	GAS-89
GAS-4102A	GAS-3068A	GAS-2072LA	GAS-1072LA	GAS-1024	XA-412	None
GAS-4102C	GAS-3068	GAS-2072L	GAS-1072L	GAS-1024	XA-419	None

* See table following parts list for part number applying to assembly wanted.

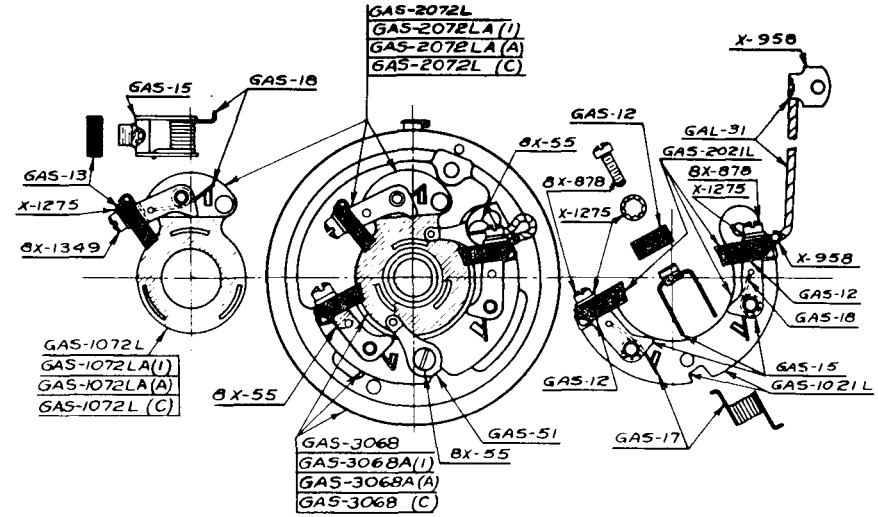
‡ Service Brush Set GAS-2012.

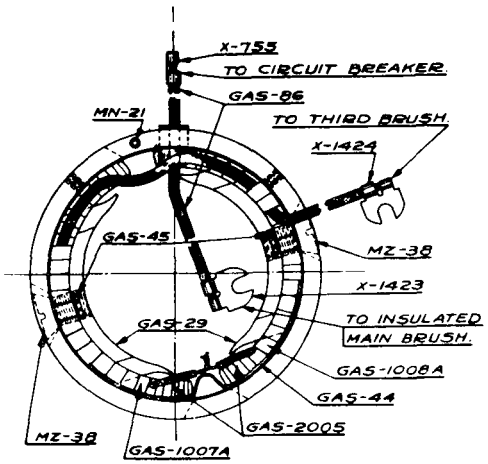
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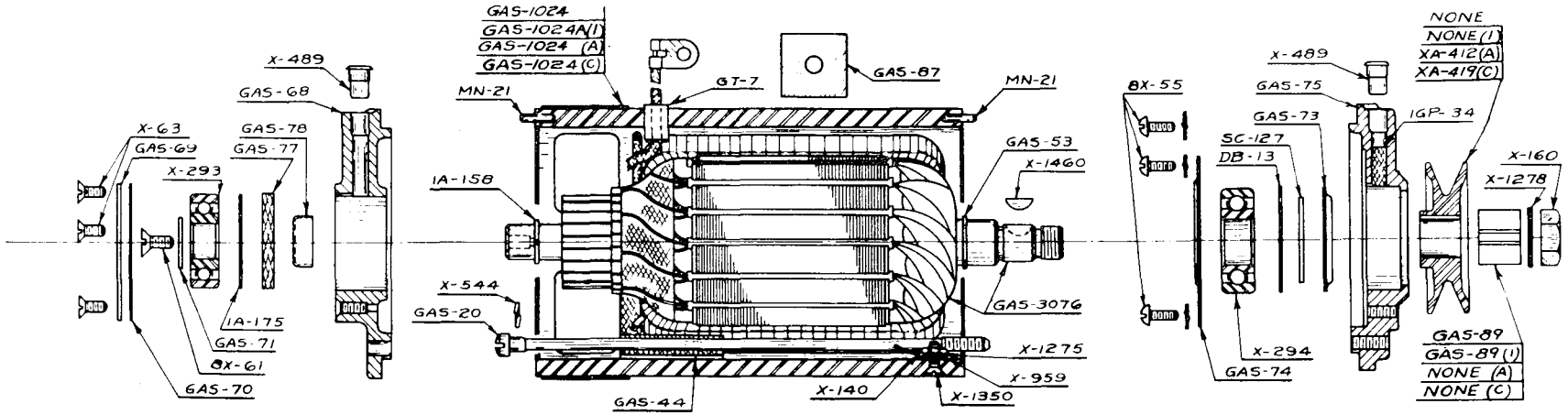
File in Equipment & Parts Lists Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GAS-4102,-1,A,C GENERATOR ILLUSTRATION







Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GAS-20A	2	Bolt, Thru
(GAS-2084)	1	Frame & Field Assy.
GAS-40	1	Washer, Ins., Term. Stud, Inner
GAS-41	1	Bushing, Ins., Term. Stud
GAS-44	1	Insulation, Field Connection
GAS-45	4	Holder, Field Coil
GAS-81	1	Lead Assembly
GBF-36	1	Stud, Terminal
X-1423	1	Terminal
GAS-2005A	1	COIL ASSY., FIELD, COMPLETE
GAS-1007B	1	Coil Assy., Field, Left
X-1423	1	Terminal
GAS-1008A	1	Coil Assy., Field, Right
X-959	1	Terminal
GBF-55	1	Washer, Ins., Term. Stud, Outer
MN-21	2	Pin, Dowel
MZ-38A	2	Screw, Pole Shoe
X-140	1	Nut, Field Grd. Sc., Hex. #6-32
X-1274	2	Washer, Term. Stud, Skpf.#10
X-1275	1	Washer, Grd. Sc., Skpf. #8
X-1350	1	Screw, Field Grd., Flat Hd. #6-32x7/16
5X-1377	1	Nut, Term. Stud, Hex.#10-32
12X-196	3	Lockwasher, Term. Stud & Thru Bolt, #10
5X-1377	1	Nut, Term. Stud, Hex., #10-32

Comm. End Head Assembly & Parts Used With

GAS-69A	1	Cover, Comm. End
GAS-70	1	Gasket, C.E. Cover
GAS-71	1	Washer, Bearing Retaining
GAS-77	1	Washer, Felt
GAS-78	1	Retainer, Felt Washer
GAS-2079C	1	Head Assy., Comm. End
GAS-51	2	Spring, Retaining, 3rd Brush Plate
GAS-79B	1	Head, Drive End
GAS-2021R	1	Plate Assy., Main Brush
GAL-31	1	Lead Assy., Ground
X-958	2	Terminal
GAS-15	2	Holder, Brush
GAS-17	1	Spring, Brush Grounded
GAS-18	1	Spring, Brush, Insulated
GAS-1021R	1	Plate, Main Brush
GEM-12†	2	Brush, Main
8X-122	1	Screw, Grounded Brush Fill. Hd. #8-32x1/2
X-195	2	Lockwasher, Brush Sc., #8

Comm. End Head Assembly (Cont'd.)

Part No.	No. Used	Name of Part
8X-1496	1	Screw, Ins. Brush, Bdg. Hd. #8-32x7/16
GAS-2082RA	1	Plate Assy., 3rd. Brush
GAS-15	1	Holder, Brush
GAS-17	1	Spring, Brush
GAS-1082RA	1	Plate, 3rd. Brush
GEM-13†	1	Brush, 3rd
X-195	1	Lockwasher, Brush Sc.,#8
8X-878	1	Screw, Brush, Fill. Hd. #8-32x7/16
8X-55	3	Screw, Brush Plate Rd. Hd. #8-32x3/8
X-195	1	Lockwasher, Plate Sc., #8
X-489	1	Oiler
IA-175	1	Washer, Plain, Felt Retaining
8X-61	1	Screw, Brg. Retaining, Flat Hd. #10-32x7/16
8X-63	3	Screw, Cover, Flat Hd. #8-32x3/8
X-293	1	BEARING, BALL, S.A.E. #201

Armature Assembly & Parts Used With

GAS-2076	1	ARMATURE ASSY.
GAS-53	1	Snap Ring, D.E.
IA-158	1	Snap Ring, C.E.
8X-160	1	Nut, Arm. Shaft, D.E.
X-1278	1	Washer, Shaft, Skpf. 7/16
X-1460A	1	Key, Woodruff, #212

Drive End Head Assembly & Parts Used With

GAS-1075E	1	Head Assy., Drive End
DB-13	1	Retainer, Felt Washer, Flat
GAS-73	1	Retainer, Felt Washer, Cupped
GAS-74	1	Retainer, Bearing
GAS-75B	1	Head, Drive End
IGP-34	1	Wick, Felt
SC-127	1	Washer, Felt
8X-55	3	Screw, Retainer, Rd. Hd. #8-32x3/8
X-195	3	Lockwasher, Retainer Sc., #8
X-294	1	BEARING, BALL,#202
X-489	1	Oiler

Miscellaneous Parts

GAS-1024F	1	Band, Cover
X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE, GEM-2012S.

UNIT	APPLICATION
GAS-4103-1	Chicago Pneumatic Tool, Wisconsin Motor
GAS-4103A-1	D.W. Onan

Printed in U. S. A.

(Issued 3-23-50)

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GAS-20B	2	Bolt, Thru
(GAS-2356)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Term. Stud, Outer
GAS-45	4	Holder, Field Coil
GAS-351	1	Bushing, Ins., Term. Stud
GAS-352	1	Washer, Ins., Term. Stud
GAS-354	1	Lead Assembly
GAS-353	1	Stud, Term., 1/4-28
X-1423A	1	Terminal
GAS-355	1	Insulation, Term. Stud,Inner
GAS-2005Q	1	COIL ASSY., FIELD, COMPLETE
GAS-1007E	1	Coil Assy., Field, Left
X-1423A	1	Terminal
GAS-1008M	1	Coil Assy., Field, Right
X-959	1	Terminal
MN-21A	2	Pin, Dowel
MZ-38C	2	Screw, Pole Shoe
X-140	1	Nut, Ground Sc., Hex. #6-32
X-187	1	Washer, Term. Stud, Plain #14
12X-199	2	Lockwasher, Term. Stud, 1/4
X-1272	1	Washer, Term. Stud, Skpf. 1/4
X-1275	1	Washer, Ground Sc., Skpf.#8
X-2903	2	Nut, Term. Stud, Hex. 1/4-28
X-3023	1	Screw, Field Ground, Flat Hd. #6-32x7/16
12X-196	2	Lockwasher, Thru Bolt, #10

Comm. End Head Assembly & Parts Used With

GAS-69B	1	Cover, Comm. End
GAS-70	1	Gasket, C.E. Cover
GAS-71A	1	Washer, Brg. Retaining Sc.
GAS-77A	1	Washer, Felt
GAS-78A	1	Retainer, Felt Washer
GAS-2079J	1	Head Assy., Comm. End
GAS-51A	2	Spring, Retaining, 3rd Brush Plate
GAS-79D	1	Head, Comm. End
GAS-2021RB	1	Plate Assy., Main Brush
GAL-31A	1	Lead Assy., Ground
X-958A	2	Terminal
GAS-15A	1	Holder, Brush
GAS-17A	1	Spring, Brush, Grounded
GAS-18A	1	Spring, Brush, Insulated
GAS-1021RA	1	Plate, Main Brush
GEM-12 †	2	Brush, Main
12X-195	2	Lockwasher, Brush Sc.#8
X-2870	1	Screw, Ins., Brush, Bdg. Hd. #8-32x7/16

Comm. End Head Assembly (Cont'd.)

Part No.	No. Used	Name of Part
X-3004	1	Screw, Grd. Brush, Fill. Hd. #8-32x1/2
GAS-2082RC	1	Plate Assy., 3rd. Brush
GAS-15A	1	Holder, Brush
GAS-17A	1	Spring, Brush
GAS-1082RB	1	Plate, 3rd. Brush
GEM-13†	1	Brush, Third
12X-195	1	Lockwasher, Brush Sc., #8
X-2870	1	Screw, Brush, Bdg. Hd. #8-32x7/16
X-12	3	Screw, Br. Plate, Rd. Hd. #8-32x3/8
12X-195	1	Lockwasher, Plate Sc., #8
X-489A	1	Oiler
IA-175A	1	Washer, Plain, Felt Retaining
19X-61	1	Screw, Brg. Retaining, Flat Hd. #10-32x7/16
X-293	1	BEARING, BALL, S.A.E. #201
X-3026	3	Screw, Cover, Flat Hd. #8-32x3/8

Armature Assembly & Parts Used With

GAS-2076M	1	ARMATURE ASSY.
GAS-53A	1	Snap Ring, D.E.
IA-158A	1	Snap Ring, C.E.
19X-160	1	Nut, Shaft, D.E., Hex. 7/16-20
X-1278	1	Washer, Shaft, D.E., Skpf. 7/16
X-1460A	1	Key, Woodruff, #212

Drive End Head Assembly & Parts Used With

GAS-1075K	1	Head Assy., Drive End
DB-13A	1	Retainer, Felt Washer, Flat
GAS-73A	1	Retainer, Felt Washer, Cupped
GAS-74A	1	Retainer, Bearing
GAS-75D	1	Head, Drive End
IGP-34	1	Wick, Felt
SC-127A	1	Washer, Felt
X-12	3	Screw, Retainer, Rd. Hd. #8-32x3/8
12X-195	3	Lockwasher, Retainer Sc., #8
X-294	1	BEARING, BALL, S.A.E. #202
X-489A	1	Oiler

Miscellaneous Parts

GAS-1024L	1	Band, Cover
X-2875	1	Nut, Cover. Band, Square #10-32
X-2882	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2

† BRUSH SET, SERVICE GEM-2012S.

UNIT	APPLICATION
GAS-4103-1M	Wisconsin Motor

Printed in U. S. A. (Issued 3-23-50)

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-20A	2	Bolt, Thru
(GAS-2091)	1	Frame & Field Assy.
GAS-44	1	Insulation, Field Connection
GAS-45	4	Holder, Field Coil
GAS-86	1	Lead Assy.
X-1423	1	Terminal
GAS-2005A	1	Coil Assy., Field, Comp.
GAS-1007B	1	Coil Assy., Field, Left
X-1423	1	Terminal
GAS-1008A	1	Coil Assy., Field. Right
X-959	1	Terminal
GT-7	1	Bushing, Insulating
MN-21	2	Pin, Dowel, Head Locating
MZ-38	2	Screw, Pole Shoe
X-140	1	Nut, Field Grd., Hex., #6-32
X-755	1	Terminal
X-1275	1	Washer, Skpf., Field Grd.,#8
X-1350	1	Screw, Field Grd.,
X-544	2	Washer, Lock, Thru Bolt, #10

Comm. End Head Assembly & Parts Used With

GAS-69A	1	Cover, Comm. End
GAS-70	1	Gasket, Cover, Comm. End
GAS-71	1	Washer, Bearing Retaining
GAS-77	1	Washer, Felt
GAS-78	1	Retainer, Felt Washer
*	1	Head Assy., Comm. End
GAS-51	2	Spring, Retaining, 3rd Brush Plate
GAS-79	1	Head
GAS-2021R	1	Plate Assy., Main Brush
GAL-31	1	Lead Assy., Ground
X-958	2	Terminal
GAS-15	2	Holder, Brush
GAS-17	1	Spring, Brush, Grounded
GAS-18	1	Spring, Brush, Insulated
GAS-1021R	1	Plate, Main Brush
GEM-12‡	2	Brush, Main
8X-122	1	Screw, Grounded Brush
X-1013	2	Washer, Lock, Brush, #8
8X-1496	1	Screw, Ins. Brush
		1 2 3 4 5

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
*	1	Plate Assy., 3rd Brush
GAS-15	1	Holder, Brush
GAS-17	1	Spring, Brush
*	1	Plate, 3rd Brush
GEM-13‡	1	Brush
X-1013	1	Washer, Lock, Brush Sc., #8
*	1	Screw, Brush
8X-55	3	Screw, Plate Attaching
X-195	1	Washer, Lock, Plate Screw, #8
X-489	1	Oiler, Hinge Top, Press in, 1/4
IA-175	1	Washer, Plain
8X-61	1	Screw, Bearing Retaining,
X-63	3	Screw, Cover Holding
X-293	1	Bearing, Ball, S.A.E. #201

Armature Assembly & Parts Used With

GAS-2076	1	Armature Assy.
GAS-53	1	Snap Ring, D.E.
IA-158	1	Snap Ring, C.E
*	1	Pulley, Drive
X-160	1	Nut, Armature Shaft, Hex., 7/16-20
X-1278	1	Washer, Skpf., Arm. Shaft, 7/16
X-1460	1	Key, Woodruff, #212

Drive End Head Assembly & Parts Used With

GAS-1075E	1	Head Assy., Drive End
DB-13	1	Retainer, Felt Washer, Flat
GAS-73	1	Retainer, Felt Washer, Cupped
GAS-74	1	Retainer, Bearing
GAS-75B	1	Head
IGP-34	1	Wick, Felt
SC-127	1	Washer, Felt
8X-55	3	Screw, Retainer
X-195	3	Washer, Lock, Retainer Sc., #8
X-294	1	Bearing, Ball, S.A.E. #202
X-489	1	Oiler, Hinge Top, Press in, 1/4

Miscellaneous Parts

CB-4014	1	Relay Assy., Cutout
GAS-87	2	Spacer, Relay Mounting
GAS-1024	1	Band, Cover
X-196	2	Washer, Lock, Relay Mtg., #10
8X-311	2	Screw, Mounting, Cutout Relay
X-714	1	Screw, Cover Band,
8X-794	1	Nut, Cover Band, Square, #10-32
		1 2 3 4 5

(Issued 3-11-44)

Assembly No.	Head Assy., Comm. End	Plate Assy., 3rd Brush	Plate, 3rd Brush	Screw, Brush	Pulley, Drive
GAS-4104	GAS-2079	GAS-2082R	GAS-1082R	8X-1496	None
GAS-4104-1	GAS-2079A	GAS-2082RA	GAS-1082RA	8X-878	None
GAS-4104A	GAS-2079	GAS-2082R	GAS-1082R	8X-1496	Not supplied by A-L.
GAS-4104B	GAS-2079	GAS-2082R	GAS-1082R	8X-1496	SP-90

* See table following parts list for part number applying to assembly wanted.

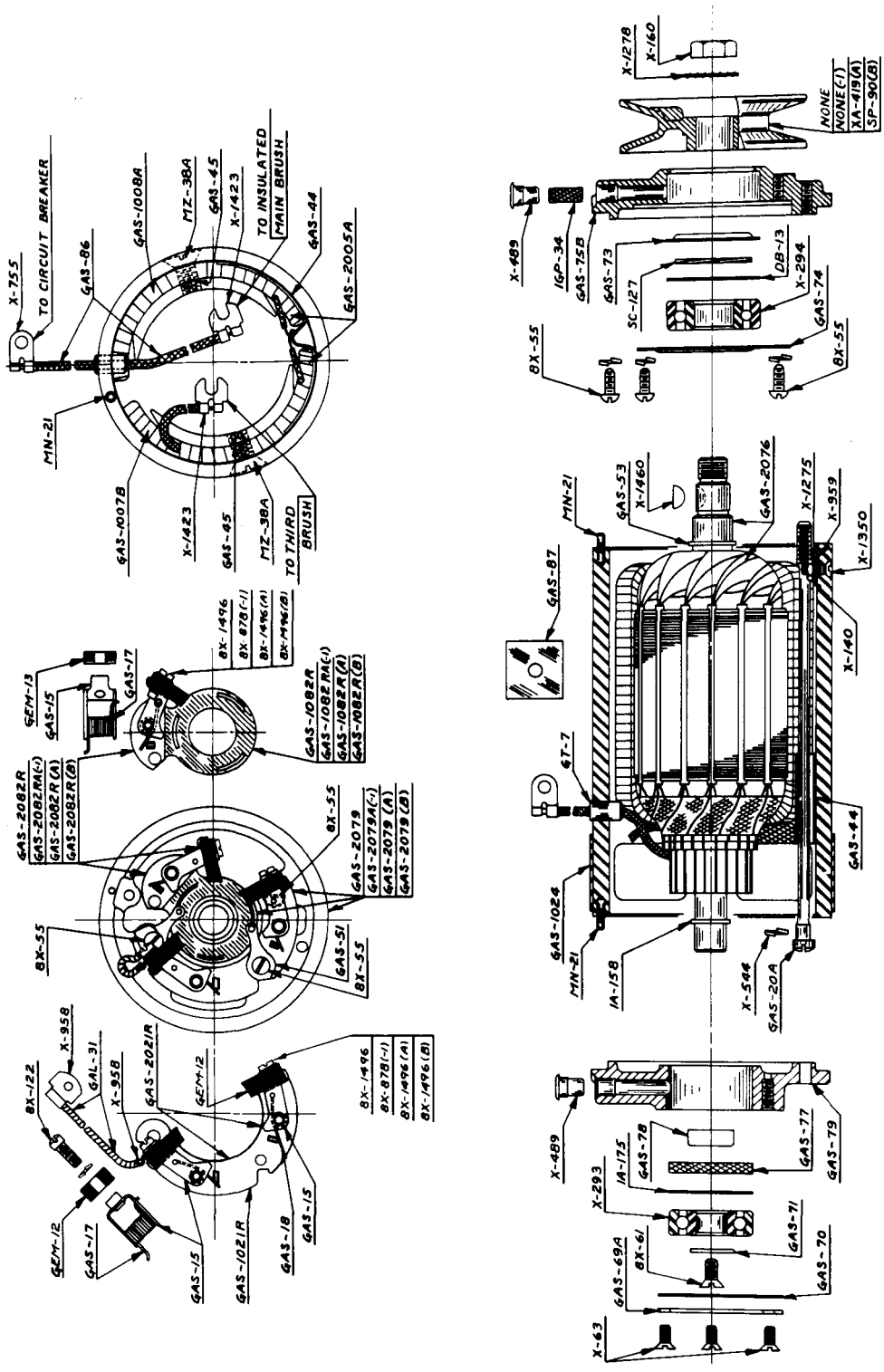
‡ Brush Set, Service, GEM-2012S.

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File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GAS-4104.A,B GENERATOR ILLUSTRATION



GAS-4106 GENERATOR PARTS LIST GAS-4106

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-20	2	Frame Screw
(GAS-2085)	1	Frame & Field Assy.
GAS-29	2	Pole Piece
GAS-44	1	Field Connection Ins.
GAS-45	4	Field Coil Holder
GAS-86	1	C.B. Lead Assy.
X-1423	1	Terminal
GAS-2005A	1	Field Coil Assy.-Comp.
GAS-1007B	1	Field Coil Assy.-Left
X-1423	1	Terminal
GAS-1008A	1	Field Coil Assy.-Right
X-959	1	Terminal
GT-7	1	Insulating Tube
MN-21	2	Dowel Pin
MZ-38	2	Pole Piece Screw
X-140	1	#6-32 Hex. Nut
X-194	1	#6 Lock Washer
X-755	1	Terminal
X-1350	1	#6-32x7/16 Flat Hd. Sc.
X-544	2	#10 Lock Washer

Comm. End Plate Assembly & Parts Used With

GAS-70	1	End Cap Cover Gasket
GAS-77	1	Felt Washer
GAS-78	1	Felt Washer Retainer
GAS-94	1	Shaft Spacer
GAS-95	1	Comm. End Cap Cover
GAS-96	1	Lock Spring Ring
(GAS-2079)	1	Comm. End Plate Assy.
GAS-51	2	3rd Br. Plate Retain'g Spring
GAS-79	1	Comm. End Plate
GAS-2021R	1	Br. Holder Plate Assy.
GAL-31	1	Ground Connector Assy.
X-958	2	Terminal
GAS-12	2	Brush - Main
GAS-15	2	Brush Holder
GAS-17	1	Brush Spring
GAS-18	1	Brush Spring
GAS-1021R	1	Br. Holder Plate Part Assy.
6X-878	2	#8-32x7/16 Fill. Hd. Screw
X-1275	2	#8 Skpf. Washer
GAS-2082R	1	3rd Br. Holder Plate Assembly
GAS-13	1	Brush - 3rd
GAS-15	1	Brush Holder
GAS-17	1	Brush Spring
GAS-1082R	1	3rd Br. Holder Plate Part Assy.
X-1275	1	#8 Skpf. Washer
6X-1349	1	#8-32x3/8 Fill. Hd. Screw
6X-55	3	#8-32x3/8 Rd. Hd. Sc.
X-195	1	#8 Lock Washer
X-489	1	1/4 Oiler - Press in Type
GJ-305	1	Felt Washer
IA-175	2	Flat Steel Washer
X-63	3	#8-32x3/8 Flat Hd. Screw
X-293	1	Ball Brg. - S.A.E. #201
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-2092	1	Armature Assembly
GAS-53	1	Snap Ring
IA-158	1	Snap Ring
X-160	1	7/16-20 Hex. Nut
X-258	1	#3 Woodruff Key
X-1278	1	7/16 Skpf. Washer
X-1460	1	#212 Woodruff Key

Drive End Head Assembly & Parts Used With

GAS-1075	1	Drive End Head Assy.
DB-13	1	Flat Felt Guard
GAS-73	1	Cupped Felt Guard
GAS-74	1	Bearing Retainer
GAS-75	1	Drive End Head
SC-127	1	Felt Washer
6X-55	3	#8-32x3/8 Rd. Hd. Sc.
X-195	3	#8 Lock Washer
X-294	1	Ball Brg. - S.A.E. #202
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

CB-4014	1	Circuit Breaker Assy.
CB-115 or CB-160	1	C.B. Cover
CB-123	1	Armature Spring
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Sc.
GAS-87	2	C.B. Spacer
GAS-1024	1	Head Band Assy.
X-196	2	#10 Lock Washer
6X-311	2	#10-32x3/8 Rd. Hd. Sc.
6X-1010A	1	#8-32x1 1/4 Rd. Hd. Sc.-Hardened
6X-1410	1	#8-32 Square Nut
		1 2 3 4 5

(Issued 6-3-31)
(R-7-8-36)

NOTE:- Use GAS-2012 brush set in servicing this unit.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GAS-4106 GENERATOR ILLUSTRATION

GAS-4108 GENERATOR PARTS LIST GAS-4108

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-20	2	Frame Screw
(GAS-3108)	1	Frame & Field Assy.
GAS-29	2	Pole Piece
GAS-44	1	Field Connection Ins.
GAS-45	4	Field Coil Holder
GAS-86	1	C.B. Lead Assy.
X-1423	1	Terminal
GAS-2005	1	Field Coil Assy.-Comp.
GAS-1007A	1	Field Coil Assy.-Left
X-1424	1	Terminal
GAS-1008A	1	Field Coil Assy.-Right
X-959	1	Terminal
GT-7	1	Ins. Tube
MN-21	2	Dowel Pin
MZ-38	2	Pole Piece Screw
X-140	1	#6-32 Hex. Nut
X-194	1	#6 Lock Washer
X-755	1	Terminal
X-1350	1	#6-32x7/16 Flat Hd. Sc.
X-544	2	#10 Lock Washer

Comm. End Plate Assembly & Parts Used With

GAS-69	1	Comm. End Cap Cover
GAS-70	1	End Cap Cover Gasket
GAS-71	1	Brg. Retaining Washer
GAS-77	1	Felt Washer
GAS-78	1	Felt Washer Retainer
(GAS-3068)	1	Comm. End Plate Assy.
GAS-51	2	3rd Br. Plate Retaining Spring
GAS-68	1	Comm. End Plate
GAS-2021L	1	Br. Holder Plate Assy.
GAL-31	1	Ground Connector Assy.
X-958	2	Terminal
GAS-12	2	Brush - Main
GAS-15	2	Brush Holder
GAS-17	1	Brush Spring
GAS-18	1	Brush Spring
GAS-1021L	1	Br. Holder Plate Part Assy.
6X-878	2	#8-32x7/16 Fill. Hd. Screw
X-1275	2	#8 Skpf. Washer
GAS-2072L	1	3rd Br. Holder Plate Assy.
GAS-13	1	Brush - 3rd
GAS-15	1	Brush Holder
GAS-18	1	Brush Spring
GAS-1072L	1	3rd Br. Holder Plate Part Assy.
X-1275	1	#8 Skpf. Washer
6X-1349	1	#8-32x3/8 Fill. Hd. Screw
6X-55	3	#8-32x3/8 Rd. Hd. Sc.
X-195	1	#8 Lock Washer
X-489	1	1/4 Oiler - Press in Type
IA-175	1	Flat Steel Washer
6X-61	1	#10-32x7/16 Flat Hd. Sc.
X-63	3	#8-32x3/8 Flat Hd. Sc.
Y-293	1	Ball Brg. - S.A.E. #201
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-3076	1	Armature Assembly
GAS-53	1	Snap Ring
IA-158	1	Snap Ring
X-160	1	7/16-20 Hex. Nut
X-1278	1	7/16 Skpf. Washer
X-1460	1	#212 Woodruff Key

Drive End Head Assembly & Parts Used With

GAS-1075A	1	Drive End Head Assy.
DB-13	1	Flat Felt Guard
GAS-73	1	Cupped Felt Guard
GAS-74	1	Bearing Retainer
GAS-75	1	Drive End Head
SC-127	1	Felt Washer
6X-55	3	#8-32x3/8 Rd. Hd. Sc.
X-195	3	#8 Lock Washer
X-294	1	Ball Brg. - S.A.E. #202
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

CB-4014	1	Circuit Breaker Assy.
CB-115 or CB-160	1	C.B. Cover
CB-123	1	Armature Spring
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Sc.
GAS-87	2	C.B. Spacer
GAS-1024	1	Head Band Assy.
X-196	2	#10 Lock Washer
6X-311	2	#10-32x3/8 Rd. Hd. Sc.
6X-1010A	1	#8-32x1 1/4 Rd. Hd. Sc.-Hardened
6X-1410	1	#8-32 Square Nut
		1 2 3 4 5

(Issued 6-3-31)
(R-5-7-36)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part ca be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-20A	2	Bolt, Thru
(GAS-2108)	1	Frame & Field Assy.
GAS-44	1	Insulation, Field Connection
GAS-45	4	Holder, Field Coil
GAS-86	1	Lead Assy.
X-1423	1	Terminal
GAS-2005A	1	Coil Assy., Field, Comp.
GAS-1007B	1	Coil Assy., Field, Left
X-1423	1	Terminal
GAS-1008A	1	Coil Assy., Field, Right
X-959	1	Terminal
GT-7	1	Bushing, Insulating
MN-21	2	Pin, Dowel, Head Locating
MZ-38	2	Screw, Pole Shoe
X-140	1	Nut, Field Ground, Hex., #6-32
X-755	1	Terminal
X-1275	1	Washer, Skpf., Grd. Sc., #8
X-1350	1	Screw, Field Ground, Flat Hd., #6-32x7/16
X-544	2	Washer, Lock, Thru Bolt, #10

Comm. End Head Assembly & Parts Used With

GAS-69A	1	Cover, Comm. End
GAS-70	1	Gasket, Cover, Comm. End
GAS-71	1	Washer, Bearing Retaining
GAS-77	1	Washer, Felt
GAS-78	1	Retainer, Felt Washer
(GAS-2079)	1	Head Assy., Comm. End
GAS-51	2	Spring, Retaining, 3rd Brush Plate
GAS-79	1	Head
GAS-2021R	1	Plate Assy., Main Brush
GAL-31	1	Lead Assy., Ground
X-958	2	Terminal
GAS-15	2	Holder, Brush
GAS-17	1	Spring, Brush, Grounded
GAS-18	1	Spring, Brush, Insulated
GAS-1021R	1	Plate, Main Brush
GEM-12*	2	Brush, Main
8X-122	1	Screw, Grounded Brush, Fil. hd., #8-32x1/2
X-1013	2	Washer, Lock, Brush Screw, #8
8X-1496	1	Screw, Ins. Brush, Bdg. hd., #8-32x7/16
GAS-2082R	1	Plate Assy., 3rd Brush
GAS-15	1	Holder, Brush
GAS-17	1	Spring, Brush
GAS-1082R	1	Plate, 3rd Brush
GEM-13*	1	Brush
X-1013	1	Washer, Lock, Brush Screw, #8
8X-1496	1	Screw, Brush, Bdg. hd., #8-32x7/16
		1 2 3 4 5

Comm. End Head Assembly (Con't.)

Part No.	No. Used	Name of Part
		1 2 3 4 5
8X-55	3	Screw, Plate Attaching, Rd. hd., #8-32x3/8
X-195	1	Washer, Lock, Plate Sc., #8
X-489	1	Oiler, Hinge Top, Press in, 1/4
IA-175	1	Washer, Plain, Felt Retaining
8X-61	1	Screw, Bearing Retaining, Flat hd., #10-32x7/16
X-63	3	Screw, Cover Holding, Flat hd., #8-32x3/8
X-293	1	Bearing, Ball, S.A.E. #201

Armature Assembly & Parts Used With

GAS-2076	1	Armature Assy.
GAS-53	1	Snap Ring, D.E.
IA-158	1	Snap Ring, C.E.
X-160	1	Nut, Armature Shaft, Hex., 7/16-20
X-1278	1	Washer, Skpf., Arm. Shaft, 7/16
X-1460	1	Key, Woodruff, #212

Drive End Head Assembly & Parts Used With

GAS-1075B	1	Head Assy., Drive End
DB-13	1	Retainer, Felt Washer, Flat
GAS-73	1	Retainer, Felt Washer, Cupped
GAS-74	1	Retainer, Bearing
GAS-75	1	Head, Drive End
IGP-34	1	Wick, Felt
SC-127	1	Washer, Felt
8X-55	3	Screw, Retainer, Rd. hd., #8-32x3/8
X-195	3	Washer, Lock, Retainer Sc., #8
X-489	1	Oiler, Hinge Top, Press in, 1/4
X-1470	1	Bearing, Ball, Shielded, S.A.E. #202

Miscellaneous Parts

CB-4014	1	Relay Assy., Cutout
GAS-87	2	Spacer, Relay Mounting
GAS-1024	1	Band, Cover
X-196	2	Washer, Lock, Cutout Relay Mtg., #10
8X-311	2	Screw, Mounting, Cutout Relay, Rd. hd., #10-32x3/8
X-714	1	Screw, Cover Band, Rd. hd., #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square, #10-32
		1 2 3 4 5

(Issued 4-26-44)

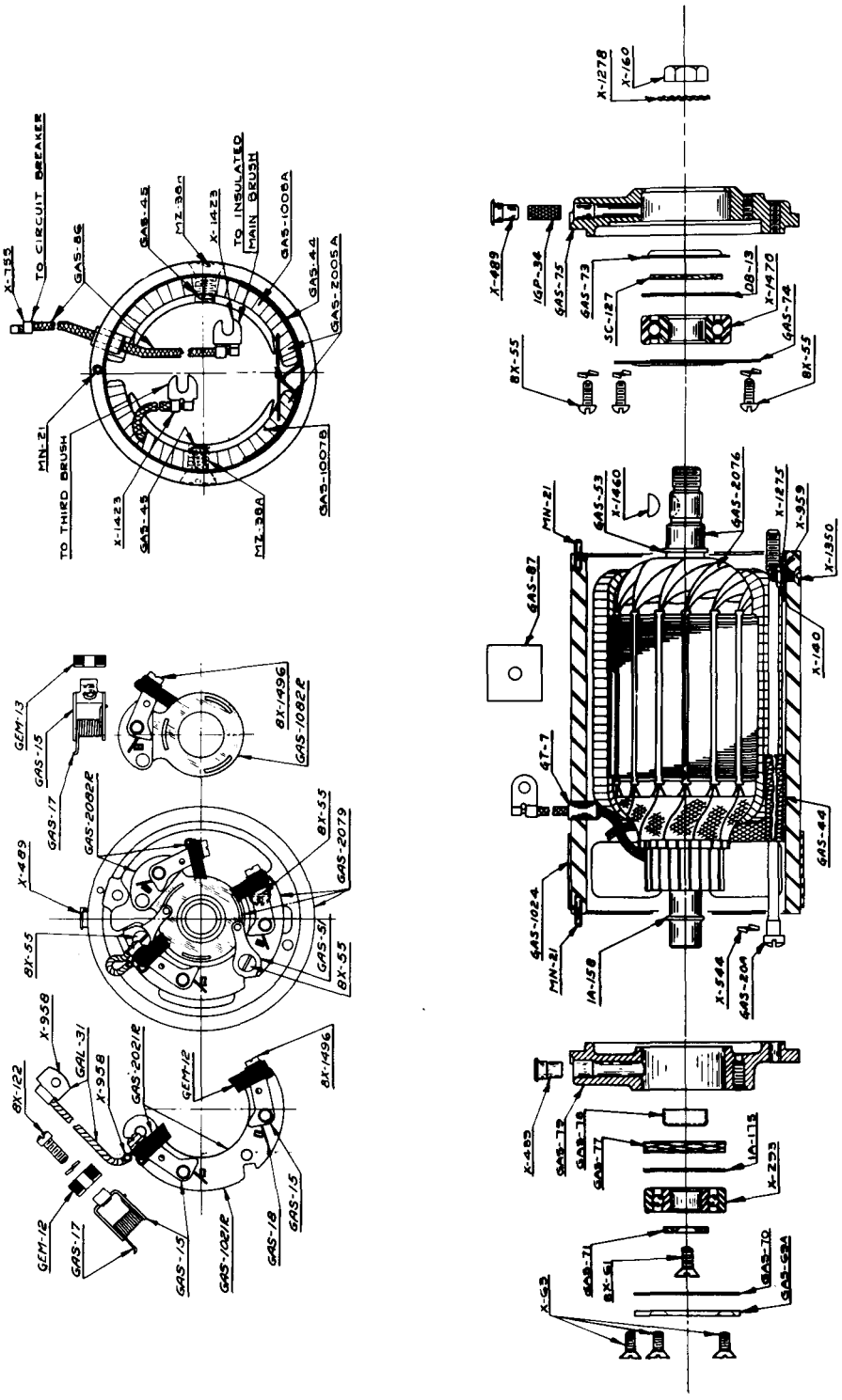
* Brush Set, Service, GEM-2012S.

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

File in Equipment & Parts List Binder

GAS-4110 GENERATOR ILLUSTRATION



GAS-4111 GENERATOR PARTS LIST GAS-4111

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-20	2	Frame Screw
(GAS-3085)	1	Frame & Field Assy.
GAS-29	2	Pole Piece
GAS-44	1	Field Connection Ins.
GAS-45	4	Field Coil Holder
GAS-86	1	C.B. Lead Assy.
X-1423	1	Terminal
GAS-2005	1	Field Coil Assy.-Comp.
GAS-1007A	1	Field Coil Assy.-Left
X-1424	1	Terminal
GAS-1008A	1	Field Coil Assy.-Right
X-959	1	Terminal
GT-7	1	Insulating Tube
MN-21	2	Dowel Pin
MZ-38	2	Pole Piece Screw
X-140	1	#6-32 Hex. Nut
X-755	1	Terminal
X-1275	1	#8 Skpf. Washer
X-1350	1	#6-32x7/16 Flat Hd. Sc.
X-544	2	#10 Lock Washer

Comm. End Plate Assembly & Parts Used With

GAS-70	1	End Cap Cover Gasket
GAS-77	1	Felt Washer
GAS-78	1	Felt Washer Retainer
GAS-94	1	Shaft Spacer
GAS-95	1	Comm. End Cap Cover
GAS-96	1	Lock Spring Ring
(GAS-3068)	1	Comm. End Plate Assembly
GAS-51	2	3rd Brush Plate Retaining Spring
GAS-68	1	Comm. End Plate
GAS-2021L	1	Brush Holder Plate Assy.
GAL-31	1	Ground Connector Assy.
X-958	2	Terminal
GAS-12	2	Brush - Main
GAS-15	2	Brush Holder
GAS-17	1	Brush Spring
GAS-18	1	Brush Spring
GAS-1021L	1	Brush Holder Plate Part Assembly
6X-878	2	#8-32x7/16 Fill. Hd. Screw
X-1275	2	#8 Skpf. Washer
GAS-2072L	1	3rd Brush Holder Plate Assembly
GAS-13	1	Brush - 3rd
GAS-15	1	Brush Holder
GAS-18	1	Brush Spring
GAS-1072L	1	3rd Brush Holder Plate Part Assy.
X-1275	1	#8 Skpf. Washer
6X-1349	1	#8-32x3/8 Fill. Hd. Sc.
6X-55	3	#8-32x3/8 Rd. Hd. Screw
X-195	1	#8 Lock Washer
X-489	1	1/4 Oiler - Press in Type
GJ-305	1	Felt Washer
IA-175	2	Flat Steel Washer
X-63	3	#8-32x3/8 Flat Hd. Screw
X-293	1	Ball Brg. - S.A.E. #201
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-3092	1	Armature Assembly
IA-158	1	Snap Ring
GAS-53	1	Snap Ring
X-160	1	7/16-20 Hex. Nut
X-258	1	#3 Woodruff Key
X-1278	1	7/16 Skpf. Washer
X-1460	1	#212 Woodruff Key

Drive End Head Assembly & Parts Used With

GAS-1075	1	D.E. Head Assy.
DB-13	1	Flat Felt Guard
GAS-73	1	Cupped Felt Guard
GAS-74	1	Bearing Retainer
GAS-75	1	Drive End Head
SC-127	1	Felt Washer
6X-55	3	#8-32x3/8 Rd. Hd. Screw
X-195	3	#8 Lock Washer
X-294	1	Ball Brg. - S.A.E. #202
X-489	1	1/4 Oiler - Press in Type

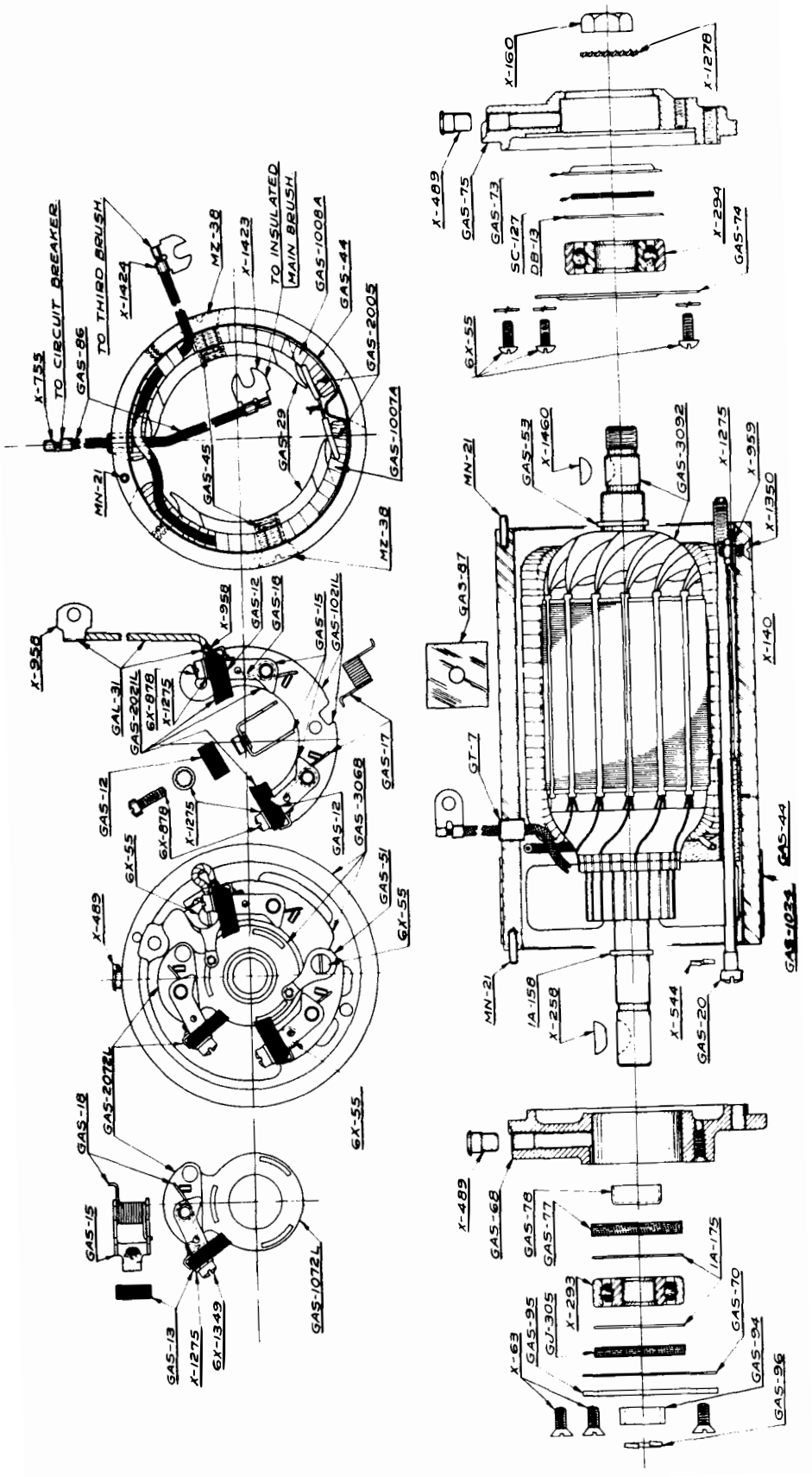
Miscellaneous Parts

CB-4014	1	Circuit Breaker Assy.
CB-123	1	Armature Spring
CB-160	1	C.B. Cover
PX-55	1	#10-32x3/16 Bdg. Fd. Sc.
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Sc.
GAS-87	2	C.B. Spacer
GAS-1024	1	Head Band Assembly
X-196	2	#10 Lock Washer
6X-311	2	#10-32x3/8 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
6X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 5-24-32)
(R-7-8-36)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GAS-4111 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-20	2	Frame Screw
(GAS-3113)	1	Frame & Field Assembly
GAS-29	2	Pole Piece
GAS-44	1	Field Connection Ins.
GAS-45	4	Field Coil Holder
GAS-86	1	C.B. Lead Assy.
X-1423	1	Terminal
GAS-2005	1	Field Coil Assy. - Comp.
GAS-1007A	1	Field Coil Assy.-Left
X-1424	1	Terminal
GAS-1008A	1	Field Coil Assy.-Right
X-959	1	Terminal
GT-7	1	Insulating Tube
MN-21	2	Dowel Pin
MZ-38	2	Pole Piece Screw
X-140	1	#6-32 Hex. Nut
X-755	1	Terminal
X-1275	1	#8 Skpf. Washer
X-1350	1	#6-32x7/16 Flat Hd. Sc.
X-544	2	#10 Lock Washer

Comm. End Plate Assembly & Parts Used With

GAS-52	1	Grease Hole Cover
(GAS-3002)	1	Comm. End Plate Assy.
GAS-51	2	3rd Brush Plate Retaining Spring
GAS-1002	1	Comm. End Plate Part Assy.
GAS-49	1	Absorbent Bronze Brg.
GAS-2014L	1	3rd Brush Holder Plate Assembly
GAS-13	1	Brush - Third
GAS-15	1	Brush Holder
GAS-18	1	Brush Spring
GAS-1014L	1	3rd Brush Holder Plate Part Assembly
X-1275	1	#8 Skpf. Washer
6X-1349	1	#8-32x3/8 Fill. Hd. Sc.
GAS-2021L	1	Brush Holder Plate Assy.
GAL-31	1	Ground Connector Assy.
X-958	2	Terminal
GAS-12	2	Brush - Main
GAS-15	2	Brush Holder
GAS-17	1	Brush Spring
GAS-18	1	Brush Spring
GAS-1021L	1	Brush Holder Plate Part Assembly
6X-878	2	#8-32x7/16 Fill. Hd. Sc.
X-1275	2	#8 Skpf. Washer
6X-55	3	#8-32x3/8 Rd. Hd. Screw
X-195	1	#8 Lock Washer
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-89	1	Armature Shaft Spacer
GAS-3114	1	Armature Assembly
GAS-53	1	Snap Ring
X-160	1	7/16-20 Hex. Nut
X-1460	1	#212 Woodruff Key

Drive End Head Assembly & Parts Used With

GAS-1075	1	D.E. Head Assembly
DB-13	1	Flat Felt Guard
GAS-73	1	Cupped Felt Guard
GAS-74	1	Bearing Retainer
GAS-75	1	Drive End Head
SC-127	1	Felt Washer
6X-55	3	#8-32x3/8 Rd. Hd. Screw
X-195	3	#8 Lock Washer
X-294	1	Ball Brg. - S.A.E. #202
X-489	1	1/4 Oiler - Press in Type

Dist. Mounting Housing & Parts Used With

GAG-58	1	Dist. Mtg. Housing Clamp
GT-121B	1	Dist. Mtg. Housing
GW-19	1	Bearing Cover
IG-86	1	Dist. Drive Rivet
IG-256	1	Dist. Gear - Driver
6X-53	1	#8-32x5/8 Rd. Hd. Screw
6X-141	1	#8-32 Hex. Nut
X-505	1	1/8 Pipe Plug
X-544	3	#10 Lock Washer
6X-900	3	#10-32x7/8 Fill. Hd. Screw

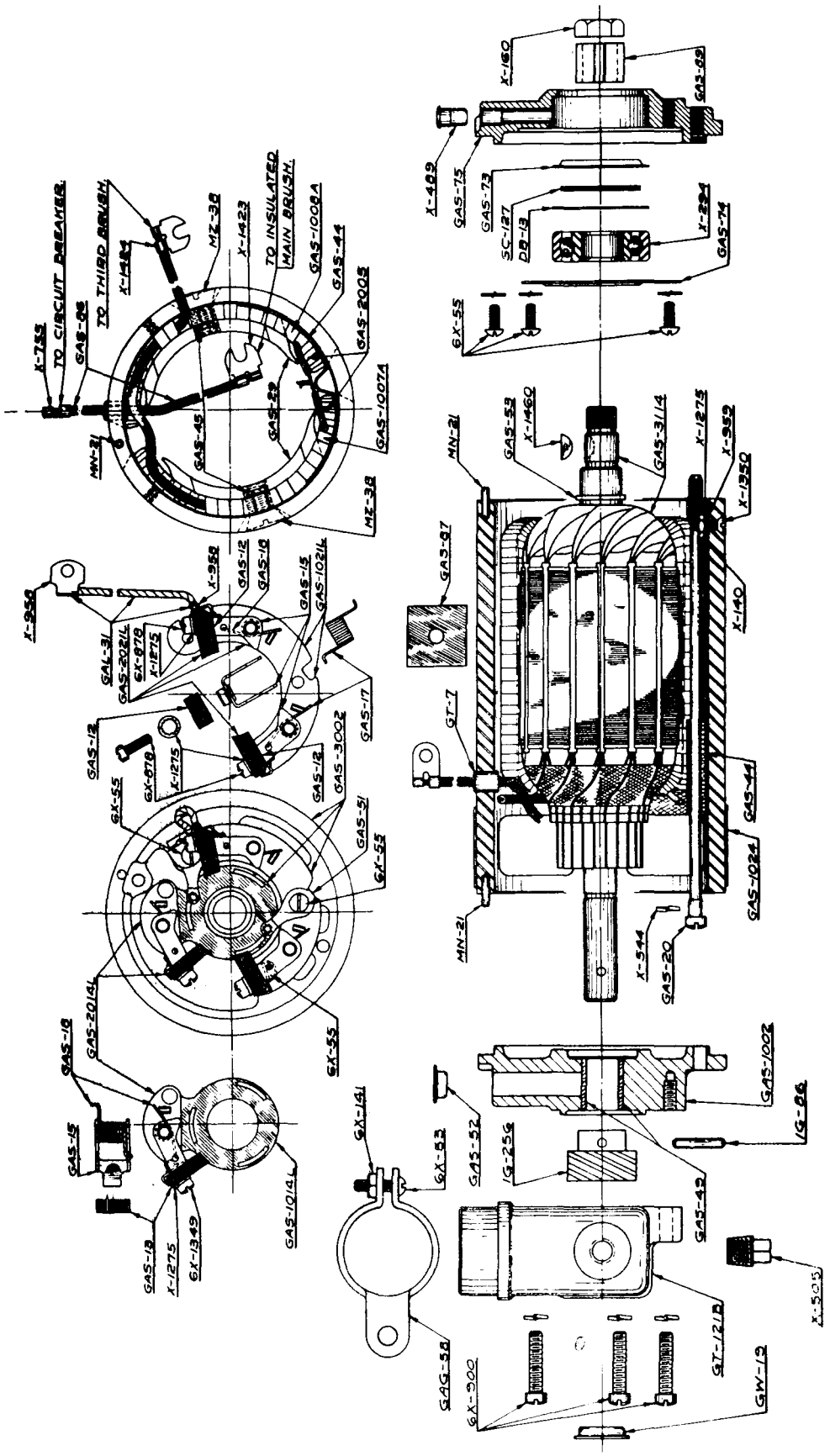
Miscellaneous Parts

CB-4014	1	Circuit Breaker Assy.
CB-123	1	Armature Spring
CB-160S	1	C.B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1 1/4 Rd. Hd. Screw
GAS-87	2	C.B. Spacer
GAS-1024	1	Head Band Assembly
X-196	2	#10 Lock Washer
6X-311	2	#10-32x3/8 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
6X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 3-16-33)
(R-7-15-36)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GAS-4114 GENERATOR ILLUSTRATION



GAS-4119 GENERATOR PARTS LIST GAS-4119

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-20A	2	Bolt, Thru
(GAS-2138)	1	Frame & Field Assy.
GAS-44	1	Insulation, Field Connection
GAS-45	4	Holder, Field Coil
GAS-86	1	Lead Assy.
X-1423	1	Terminal
GAS-2005A	1	Coil Assy., Field, Comp.
GAS-1007B	1	Coil Assy., Field, Left
X-1423	1	Terminal
GAS-1008A	1	Coil Assy., Field, Right
X-959	1	Terminal
GT-7	1	Bushing, Insulating
MN-21	2	Pin, Dowel, Head Locating
MZ-38	2	Screw, Pole Shoe
X-140	1	Nut, Field Ground, Hex., #6-32
X-755	1	Terminal
X-1275	1	Washer, Skpf., Field Grd., #8
X-1350	1	Screw, Field Ground, Flat hd., #6-32x7/16
X-544	2	Washer, Lock, Thru Bolt, #10

Comm. End Head Assembly & Parts Used With

GAS-69A	1	Cover, Comm. End
GAS-70	1	Gasket, Cover, Comm. End
GAS-71	1	Washer, Bearing Retaining
GAS-77	1	Washer, Felt
GAS-78	1	Retainer, Felt Washer
(GAS-2079)	1	Head Assy., Comm. End
GAS-51	2	Spring, Retaining, 3rd Brush Plate
GAS-79	1	Head
GAS-2021R	1	Plate Assy., Main Brush
GAL-31	1	Lead Assy., Ground
X-958	2	Terminal
GAS-15	2	Holder, Brush
GAS-17	1	Spring, Brush, Grounded
GAS-18	1	Spring, Brush, Insulated
GAS-1021R	1	Plate, Main Brush
GEM-12*	2	Brush, Main
8X-122	1	Screw, Grounded Brush, Fil. hd., #8-32x1/2
X-1013	2	Washer, Lock, Brush Screw, #8
8X-1496	1	Screw, Ins. Brush, Bdg. hd., #8-32x7/16
GAS-2082R	1	Plate Assy., 3rd Brush
GAS-15	1	Holder, Brush
GAS-17	1	Spring, Brush
GAS-1082R	1	Plate, 3rd Brush
GEM-13*	1	Brush
X-1013	1	Washer, Lock, Brush Screw, #8
8X-1496	1	Screw, Brush, Bdg. hd., #8-32x7/16

1 2 3 4 5

Comm. End Head Assy. (Con't.)

Part No.	No. Used	Name of Part
		1 2 3 4 5
8X-55	3	Screw, Plate Attaching, Rd. hd., #8-32x3/8
X-195	1	Washer, Lock, Plate Sc., #8
X-489	1	Oiler, Hinge Top, Press in, 1/4
IA-175	1	Washer, Plain, Felt Retaining
8X-61	1	Screw, Bearing Retaining, Flat hd., #10-32x7/16
X-63	3	Screw, Cover Holding, Flat hd., #8-32x3/8
X-293	1	Bearing, Ball, S.A.E. #201

Armature Assembly & Parts Used With

GAS-129	1	Oil Thrower
GAS-2136	1	Armature Assy.
GAS-53	1	Snap Ring, D.E.
IA-158	1	Snap Ring, C.E.
X-160	1	Nut, Armature Shaft, Hex., 7/16-20
X-1278	1	Washer, Skpf., Arm. Shaft, 7/16
X-1460	1	Key, Woodruff, #212

Drive End Head Assembly & Parts Used With

GAS-1137	1	Head Assy., Drive End
GAS-137	1	Head, Drive End
GAS-139	1	Retainer, Bearing
GAS-140	1	Gasket, Retainer
8X-55	3	Screw, Retainer, Rd. hd., #8-32x3/8
X-195	3	Washer, Lock, Retainer Sc., #8
X-1470	1	Bearing, Ball, Shielded, S.A.E. #202

Miscellaneous Parts

CB-4014	1	Relay Assy., Cutout
CB-123	1	Spring, Armature
CB-160S	1	Cover
PX-55	1	Screw, Arm. Term., Bdg. hd., #10-32x3/16
X-196	2	Washer, Lock, Term. Sc., #10
8X-312	1	Screw, Bat. Term., Rd. hd., #10-32x1/4
GAS-87	2	Spacer, Relay Mounting
GAS-1024	1	Band, Cover
X-196	2	Washer, Lock, Cutout Relay Mtg., #10
8X-311	2	Screw, Mounting, Cutout Relay, Rd. hd., #10-32x3/8
X-714	1	Screw, Cover Band, Rd. hd., #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square, #10-32

1 2 3 4 5

(Issued 4-26-44)

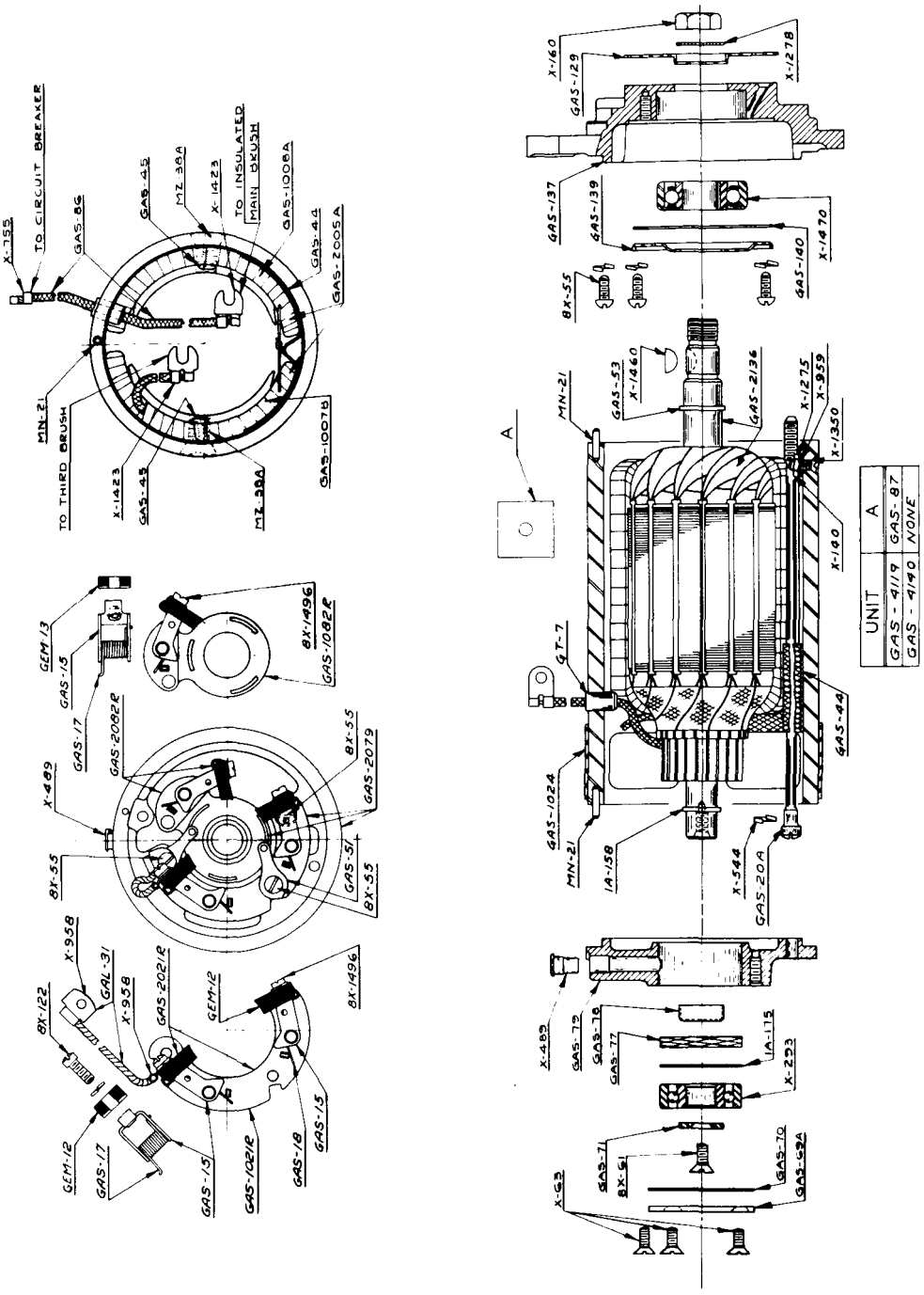
* Brush Set, Service, GEM-2012S.

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GAS-4119 GENERATOR ILLUSTRATION



UNIT	A
GAS-4119	GAS-87
GAS-4140	NONE

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GAS-2141)	1	Frame & Field Assembly
GAS-29	2	Pole Piece
GAS-44	1	Field Connection Ins.
GAS-45	4	Field Coil Holder
GAS-86	1	C.B. Lead Assembly
X-1423	1	Terminal
GAS-2005A	1	Field Coil Assy. - Comp.
GAS-1007B	1	Field Coil Assy.-Left
X-1423	1	Terminal
GAS-1008A	1	Field Coil Assy.-Right
X-959	1	Terminal
GT-7	1	Insulating Bushing
MN-21	2	Dowel Pin
MZ-38	2	Pole Piece Screw
X-140	1	#6-32 Hex. Nut
X-755	1	Terminal
X-1275	1	#8 Skpf. Washer
X-1350	1	#6-32x7/16 Flat Hd. Sc.
GAS-20	2	Frame Screw
X-544	2	#10 Lock Washer

Comm. End Plate Assembly & Parts Used With

GAS-69	1	Comm. End Cap Cover
GAS-70	1	End Cap Cover Gasket
GAS-71	1	Brg. Retaining Washer
GAS-77	1	Felt Washer
GAS-78	1	Felt Washer Retainer
(GAS-2079)	1	Comm. End Plate Assy.
GAS-51	2	3rd Br. Plate Retain'g Spring
GAS-79	1	Comm. End Plate
GAS-2021R	1	Brush Holder Plate Assy.
GAL-31	1	Ground Connector Assy.
X-958	2	Terminal
GAS-12	2	Brush - Main
GAS-15	2	Brush Holder
GAS-17	1	Brush Spring
GAS-18	1	Brush Spring
GAS-1021R	1	Brush Holder Plate Part Assy.
8X-878	2	#8-32x7/16 Fill. Hd. Screw
X-1275	2	#8 Skpf. Washer
GAS-2082R	1	3rd Br. Holder Plate Assy.
GAS-13	1	Brush - 3rd
GAS-15	1	Brush Holder
GAS-17	1	Brush Spring
GAS-1082R	1	3rd Br. Holder Plate Part Assy.
X-1275	1	#8 Skpf. Washer
8X-1349	1	#8-32x3/8 Fill. Hd. Sc.
8X-55	3	#8-32x3/8 Rd. Hd. Screw
X-195	1	#8 Lock Washer
X-489	1	1/4 Oiler - Press in Type
IA-175	1	Flat Steel Washer
8X-61	1	#10-32x7/16 Flat Hd. Screw
X-63	3	#8-32x3/8 Flat Hd. Screw
X-293	1	Ball Brg. - S.A.E. #201
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-2076	1	Armature Assembly
GAS-53	1	Snap Ring
IA-158	1	Snap Ring
X-160	1	7/16-20 Hex. Nut
X-1278	1	7/16 Skpf. Washer
X-1460	1	#212 Woodruff Key

Drive End Head Assembly & Parts Used With

GAS-1075C	1	Drive End Head Assembly
DB-13	1	Flat Felt Guard
GAS-73	1	Cupped Felt Guard
GAS-74	1	Bearing Retainer
GAS-75A	1	Drive End Head
IGP-34	1	Felt Wick
SC-127	1	Felt Washer
8X-55	3	#8-32x3/8 Rd. Hd. Sc.
X-195	3	#8 Lock Washer
X-489	1	1/4 Oiler - Press in Type
X-1470	1	Ball Brg. - S.A.E. #202

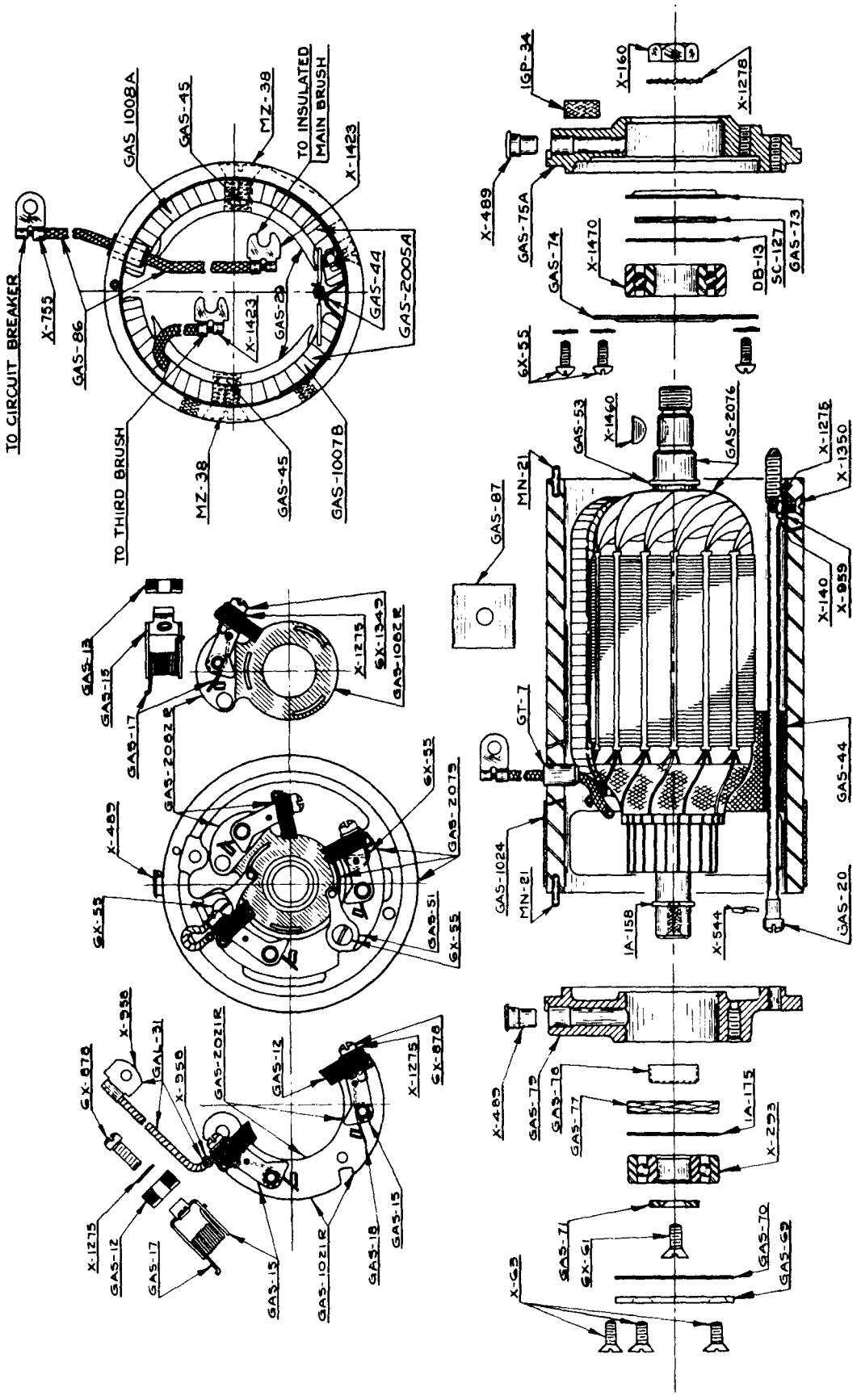
Miscellaneous Parts

CB-4014	1	Circuit Breaker Assy.
CB-123	1	Armature Spring
CB-160	1	C.B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Screw
GAS-87	2	C.B. Spacer
GAS-1024	1	Head Band Assembly
X-196	2	#10 Lock Washer
8X-311	2	#10-32x3/8 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Sc.
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 11-11-35)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GAS-4120 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GAS-20A	2	Bolt, Thru
(GAS-2138)	1	Frame & Field Assy.
GAS-44	1	Insulation, Field Connection
GAS-45	4	Holder, Field Coil
GAS-86	1	Lead Assembly
X-1423	1	Terminal
GAS-2005A	1	COIL ASSY., FIELD; COMPLETE
GAS-1007B	1	Coil Assy., Field, Left
X-1423	1	Terminal
GAS-1008A	1	Coil Assy., Field, Right
X-959	1	Terminal
GT-7	1	Bushing, Insulating
MN-21	2	Pin, Dowel
MZ-38A	2	Screw, Pole Shoe
X-140	1	Nut, Grd. Sc., Hex. #6-32
X-755	1	Terminal
X-1275	1	Washer, Ground Sc., Skpf. #8
X-1350	1	Screw, Field Ground, Flat Hd. #6-32x7/16
X-196	2	Lockwasher, Thru Bolt, #10

Comm. End Head Assembly & Parts Used With

GAS-69A	1	Cover, Comm. End
GAS-70	1	Gasket, C.E. Cover
GAS-71	1	Washer, Bearing Retaining Sc.
GAS-77	1	Washer, Felt
GAS-78	1	Retainer, Felt Washer
GAS-2079	1	Head Assy., Comm. End
GAS-51	2	Spring, Retaining, 3rd Brush Plate
GAS-79B	1	Head, Comm. End
GAS-2021R	1	Plate Assy., Main Brush
GAL-31	1	Lead Assy., Ground
X-958	2	Terminal
GAS-15	2	Holder, Brush
GAS-17	1	Spring, Brush, Grounded
GAS-18	1	Spring, Brush, Insulated
GAS-1021R	1	Plate, Main Brush
GEM12 †	2	Brush, Main
8X-122	1	Screw, Grounded Brush, Fill. Hd. #8-32x1/2
X-195	2	Lockwasher, Brush Sc.,#8
8X-1496	1	Screw, Ins., Brush, Bdg. Hd. #8-32x7/16
GAS-2082R	1	Plate Assy., 3rd Brush
GAS-15	1	Holder, Brush
GAS-17	1	Spring, Brush
GAS-1082R	1	Plate, 3rd Brush
GEM-13 †	1	Brush, Third
X-195	1	Lockwasher, Brush Sc.,#8

Comm. End Head Assy. (Cont'd.)

Part No.	No. Used	Name of Part
8X-1496	1	Screw, Brush, Bdg. Hd. #8-32x7/16
8X-55	3	Screw, Br. Plate, Rd. Hd. #8-32x3/8
X-195	1	Lockwasher, Plate Sc., #8
X-489	1	Oiler
IA-175	1	Washer, Plain, Felt Retaining
8X-61	1	Screw, Brg. Retaining, Flat Hd. #10-32x7/16
X-63	3	Screw, Cover, Flat Hd. #8-32x3/8
X-293	1	BEARING, BALL, S.A.E. #201

Armature Assembly & Parts Used With

GAS-129	1	Oil Thrower
GAS-2136	1	ARMATURE ASSY.
GAS-53	1	Snap Ring, D.E.
IA-158	1	Snap Ring, C.E.
X-160	1	Nut, Shaft, D.E., Hex. 7/16-20
X-1278	1	Washer, Shaft, D.E., Skpf. 7/16
X-1460A	1	Key, Woodruff, #212

Drive End Head Assembly & Parts Used With

GAS-1144	1	Head Assy., Drive End
GAS-139	1	Retainer, Bearing
GAS-140	1	Gasket, Retainer
GAS-144	1	Head, Drive End
8X-55	3	Screw, Brg. Retainer, Rd. Hd. #8-32x3/8
X-195	3	Lockwasher, Retainer Sc.,#8
X-1470	1	BEARING, BALL, SHIELDED, S.A.E. #202

Miscellaneous Parts

CB-4014	1	RELAY ASSY., CUTOUT
CB-123	1	Spring, Armature
CB-160S	1	Cover, Relay
PX-55	1	Screw, Arm. Term., Bdg. Hd. #10-32x3/16
12X-196	2	Lockwasher, Term. Sc., #10
8X-312	1	Screw, Bat. Term., Rd. Hd. #10-32x1/4
GAS-87	2	Spacer, Relay Mtg.
GAS-1024F	1	Band, Cover
X-196	2	Lockwasher, Relay Mtg. Sc., #10
8X-311	2	Screw, Relay Mtg., Rd. Hd. #10-32x3/8
X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GEM-2012S.

UNIT	APPLICATION
GAS-4123	Hercules

Printed in U. S. A. (Issued 3-24-50) File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-20	2	Frame Screw
(GAS-3001)	1	Frame & Field Assembly
GAS-29	2	Pole Piece
GAS-40	1	Ins. Washer - Special
GAS-41	1	Ins. Bushing
GAS-44	1	Field Connection Ins.
GAS-45	4	Field Coil Holder
GAS-47	1	Terminal Lead Assy.
GBF-36	1	Terminal Post
X-1423	1	Terminal
GAS-2005	1	FIELD COIL ASSY.-COMP.
GAS-1007A	1	Field Coil Assy.-Left
X-1424	1	Terminal
GAS-1008A	1	Field Coil Assy.-Right
X-959	1	Side Terminal
GBF-55	1	Ins. Washer
MN-21	2	Dowel Pin
MZ-38	2	Pole Piece Screw
X-140	1	#6-32 Hex. Nut
X-1274	2	3/16 Skpf. Washer
X-1275	1	#8 Skpf. Washer
X-1350	1	#6-32x7/16 Flat Hd. Sc.
5X-1377	1	#10-32 Hex. Nut
X-196	1	#10 Lock Washer
X-544	2	#10 Lock Washer
5X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

GAS-69	1	Comm. End Cap Cover
GAS-70	1	End Cap Cover Gasket
GAS-71	1	Bearing Retaining Washer
GAS-77	1	Felt Washer
GAS-78	1	Felt Washer Retainer
(GAS-3068A)	1	Comm. End Plate Assy.
GAS-51	2	3rd Brush Plate Retaining Spring
GAS-68	1	Comm. End Plate
GAS-2021L	1	Brush Holder Plate Assy.
GAL-31	1	Ground Connector Assy.
X-958	2	Side Terminal
GAS-12‡	2	Brush - Main
GAS-15	2	Brush Holder
GAS-17	1	Brush Spring
GAS-18	1	Brush Spring
GAS-1021L	1	Brush Holder Plate Part Assy.
8X-122	2	#8-32x1/2 Fill. Hd. Sc.
X-1275	2	#8 Skpf. Washer
GAS-2072LA	1	3rd Brush Holder Plate Assembly
GAS-13‡	1	Brush - Third
GAS-15	1	Brush Holder
GAS-18	1	Brush Spring
GAS-1072LA	1	3rd Brush Holder Plate Part Assy.
8X-878	1	#8-32x7/16 Fill. Hd. Screw
X-1275	1	#8 Skpf. Washer
		1 2 3 4 5

Comm. End Plate Assembly (Con't.)

Part No.	No. Used	Name of Part
		1 2 3 4 5
8X-55	3	#8-32x3/8 Rd. Hd. Screw
X-195	1	#8 Lock Washer
X-489	1	1/4 Oiler - Press in Type
IA-175	1	Flat Steel Washer
8X-61	1	#10-32x7/16 Flat Hd. Screw
X-63	3	#8-32x3/8 Flat Hd. Screw
X-293	1	BALL BEARING - S.A.E. #201

Armature Assembly & Parts Used With

GAS-3076	1	ARMATURE ASSEMBLY
GAS-53	1	Snap Ring
IA-158	1	Snap Ring
X-160	1	7/16-20 Hex. Nut
X-1278	1	7/16 Skpf. Washer
X-1460	1	#212 Woodruff Key

Drive End Head Assembly & Parts Used With

GAS-1075	1	Drive End Head Assembly
DB-13	1	Flat Felt Guard
GAS-73	1	Cupped Felt Guard
GAS-74	1	Bearing Retainer
GAS-75	1	D.E. Head
IGP-34	1	Felt Wick
SC-127	1	Felt Washer
6X-55	3	#8-32x3/8 Rd. Hd. Screw
X-195	3	#8 Lock Washer
X-294	1	BALL BEARING - S.A.E. #202
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

GAS-1024	1	Head Band Assembly
X-714	1	#10-32x1 1/2 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

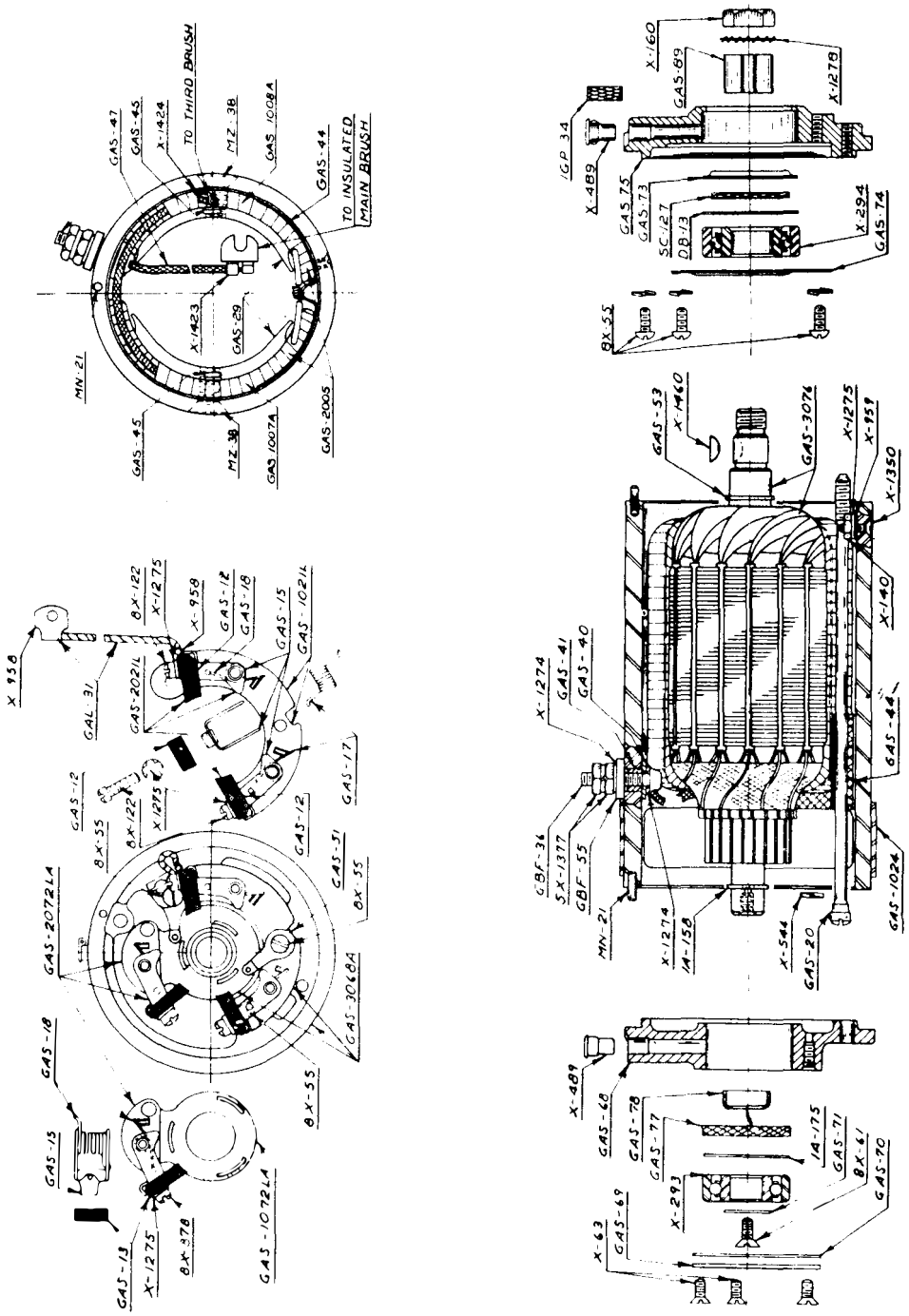
(Issued 5-16-39)

‡ SERVICE BRUSH SET GAS-2012.

UNIT	APPLICATION
GAS-4124	Wisconsin Motor

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GAS-4124 GENERATOR ILLUSTRATION



GAS-4125 GENERATOR PARTS LIST GAS-4125

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-20A	2	Bolt, Thru
(GAS-2138)	1	Frame & Field Assy.
GAS-44	1	Insulation, Field Connection
GAS-45	4	Holder, Field Coil
GAS-86	1	Lead Assy.
X-1423	1	Terminal
GAS-2005A	1	Coil Assy., Field, Comp.
GAS-1007B	1	Coil Assy., Field, Left
X-1423	1	Terminal
GAS-1008A	1	Coil Assy., Field, Right
X-959	1	Terminal
GT-7	1	Bushing, Insulating
MN-21	2	Pin, Dowel, Head Locating
MZ-38	2	Screw, Pole Shoe
X-140	1	Nut, Field Ground, Hex., #6-32
X-755	1	Terminal
X-1275	1	Washer, Skpf., Field Ground, #8
X-1350	1	Screw, Field Ground, Flat hd, #6-32x7/16
X-544	2	Washer, Lock, Thru Bolt, #10

Comm. End Head Assembly & Parts Used With

GAS-69A	1	Cover, Comm. End
GAS-70	1	Gasket, Cover, Comm. End
GAS-71	1	Washer, Bearing, Retaining
GAS-77	1	Washer, Felt
GAS-78	1	Retainer, Felt Washer
*	1	Head Assy., Comm. End
GAS-51	2	Spring, Retaining, 3rd Brush Plate
GAS-147	1	Head
GAS-2021R	1	Plate Assy., Main Brush
GAL-31	1	Lead Assy., Ground
X-958	2	Terminal
GAS-15	2	Holder, Brush
GAS-17	1	Spring, Brush, Grounded
GAS-18	1	Spring, Brush, Insulated
GAS-1021R	1	Plate, Main Brush
GEM-12‡	2	Brush, Main
8X-122	1	Screw, Grounded Brush, Fil. hd., #8-32x1/2
X-1013	2	Washer, Lock, Brush Sc., #8
8X-1496	1	Screw, Ins. Brush, Bdg. hd., #8-32x7/16
*	1	Plate Assy., 3rd Brush
GAS-15	1	Holder, Brush
GAS-17	1	Spring, Brush
		1 2 3 4 5

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
*	1	Plate, 3rd Brush
GEM-13‡	1	Brush
X-1013	1	Washer, Lock, Brush Sc., #8
*	1	Screw, Brush, Bdg. hd., #8-32x7/16
8X-55	3	Screw, Plate Attaching, Rd. hd., #8-32x3/8
X-195	1	Washer, Lock, Plate Screw, #8
X-489	1	Oiler, Hinge Top, Press in, 1/4
IA-175	1	Washer, Plain, Felt Retaining
8X-61	1	Screw, Bearing Retaining, Flat hd. #10-32x7/16
X-63	3	Screw, Cover Holding, Flat hd., #8-32x3/8
X-293	1	Bearing, Ball, S.A.E. #201

Armature Assembly & Parts Used With

GAS-2111	1	Armature Assy.
GAR-171	1	Snap Ring, D.E.
IA-158	1	Snap Ring, C.E.
GJ-179	1	Washer, Plain, Armature Shaft
X-160	1	Nut, Armature Shaft, Hex., 7/16-20
X-205	1	Washer, Lock, Armature Shaft, 7/16
X-260	1	Key, Woodruff, #5

Drive End Head Assembly & Parts Used With

GAS-1146	1	Head Assy., Drive End
GAS-103	1	Retainer, Felt Washer, Cupped
GAS-104	1	Retainer, Bearing
GAS-146	1	Head
GG-164	1	Washer, Felt
GT-76	1	Retainer, Felt Washer
8X-55	3	Screw, Retainer, Rd. hd., #8-32x3/8
X-195	3	Washer, Lock, Retainer Sc., #8
X-295	1	Bearing, Ball, S.A.E. #203
X-489	1	Oiler, Hinge Top, Press in, 1/4

Miscellaneous Parts

CB-4014	1	Relay Assy., Cutout
GAS-87	2	Spacer, Relay Mounting
GAS-1024A	1	Band, Cover
X-196	2	Washer, Lock, Cutout Relay Mtg., #10
8X-311	2	Screw, Mounting, Cutout Relay, Rd. hd., #10-32x3/8
X-714	1	Screw, Cover Band, Rd. hd., #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square, #10-32

1 2 3 4 5

(Issued 3-10-44)

Assembly No.	Head Assy., Comm. End	Plate Assy., 3rd Brush	Plate, 3rd Brush	Screw, Brush
GAS-4125	GAS-2147	GAS-2082R	GAS-1082R	8X-1496
GAS-4125-1	GAS-2147A	GAS-2082RA	GAS-1082RA	8X-878

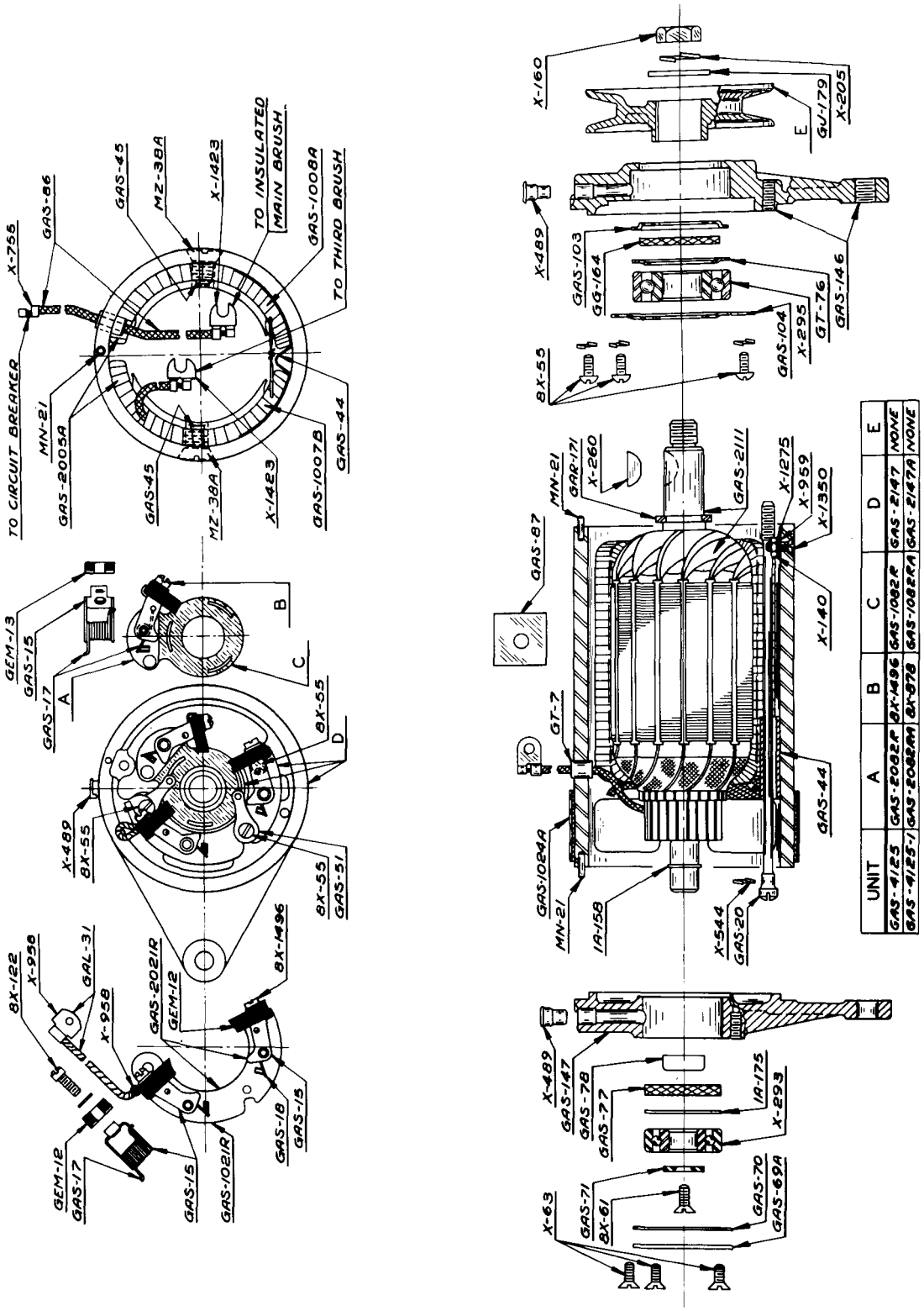
* See table following parts list for part number applying to assembly wanted. ‡ Brush Set, Service, GEM-2012S.

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

File in Equipment & Parts List Binder

GAS-4125 GENERATOR ILLUSTRATION



UNIT	A	B	C	D	E
GAS-4125	GAS-2002P	8X-1496	GAS-1002P	GAS-2147	NONE
GAS-4125-1	GAS-2002M	8X-370	GAS-1002PA	GAS-2147A	NONE

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-20	2	Frame Screw
(GAS-3148)	1	Frame & Field Assembly
GAS-29	2	Pole Piece
GAS-44	1	Field Connection Ins.
GAS-45	4	Field Coil Holder
GAS-86	1	C.B. Lead Assy.
X-1423	1	Terminal
GAS-2005	1	Field Coil Assy. - Comp.
GAS-1007A	1	Field Coil Assy. - Left
X-1424	1	Terminal
GAS-1008A	1	Field Coil Assy. - Right
X-959	1	Terminal
GAR-211	1	Insulating Bushing
MN-21	2	Dowel Pin
MZ-38	2	Pole Piece Screw
X-140	1	#6-32 Hex. Nut
X-755	1	Terminal
X-1275	1	#8 Skpf. Washer
X-1350	1	#6-32x7/16 Flat Hd. Screw
X-544	2	#10 Lock Washer

Comm. End Plate Assembly & Parts Used With

GAS-69	1	Comm. End Cap Cover
GAS-70	1	End Cap Cover Gasket
GAS-71	1	Brg. Retaining Washer
GAS-77	1	Felt Washer
GAS-78	1	Felt Washer Retainer
(GAS-3068)	1	Comm. End Plate Assy.
GAS-51	2	3rd Brush Plate Retain'g Spring
GAS-68	1	Comm. End Plate
GAS-2021L	1	Brush Holder Plate Assy.
GAL-31	1	Ground Connector Assy.
X-958	2	Terminal
GAS-12	2	Brush - Main
GAS-15	2	Brush Holder
GAS-17	1	Brush Spring
GAS-18	1	Brush Spring
GAS-1021L	1	Brush Holder Plate Part Assy.
8X-878	2	#8-32x7/16 Fill. Hd. Screw
X-1275	2	#8 Skpf. Washer
GAS-2072L	1	3rd Brush Holder Plate Assembly
GAS-13	1	Brush - Third
GAS-15	1	Brush Holder
GAS-18	1	Brush Spring
GAS-1072L	1	3rd Brush Holder Plate Part Assy.
X-1275	1	#8 Skpf. Washer
8X-1349	1	#8-32x3/8 Fill. Hd. Sc.
8X-55	3	#8-32x3/8 Rd. Hd. Screw
X-195	1	#8 Lock Washer
X-489	1	1/4 Oiler - Press in Type
IA-175	1	Flat Steel Washer
8X-61	1	#10-32x7/16 Flat Hd. Screw
X-63	3	#8-32x3/8 Flat Hd. Screw
X-293	1	Ball Brg. - S.A.E. #201
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-3076	1	Armature Assembly
GAS-53	1	Snap Ring
IA-158	1	Snap Ring
X-160	1	7/16-20 Hex. Nut
X-1278	1	7/16 Skpf. Washer
X-1460	1	#212 Woodruff Key

Drive End Head Assembly & Parts Used With

GAS-1075	1	Drive End Head Assy.
DB-13	1	Flat Felt Guard
GAS-73	1	Cupped Felt Guard
GAS-74	1	Bearing Retainer
GAS-75	1	D.E. Head
IGP-34	1	Felt Wick
SC-127	1	Felt Washer
8X-55	3	#8-32x3/8 Rd. Hd. Screw
X-195	3	#8 Lock Washer
X-294	1	Ball Brg. - S.A.E. #202
X-489	1	1/4 Oiler - Press in Type

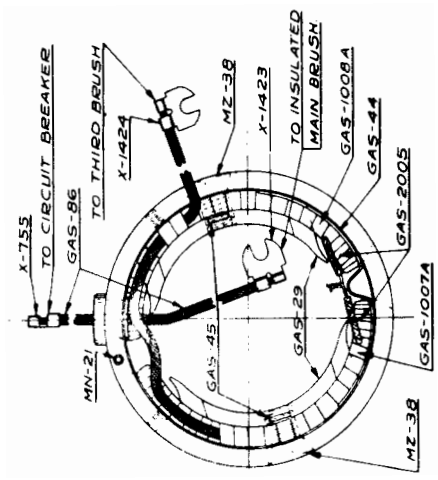
Miscellaneous Parts

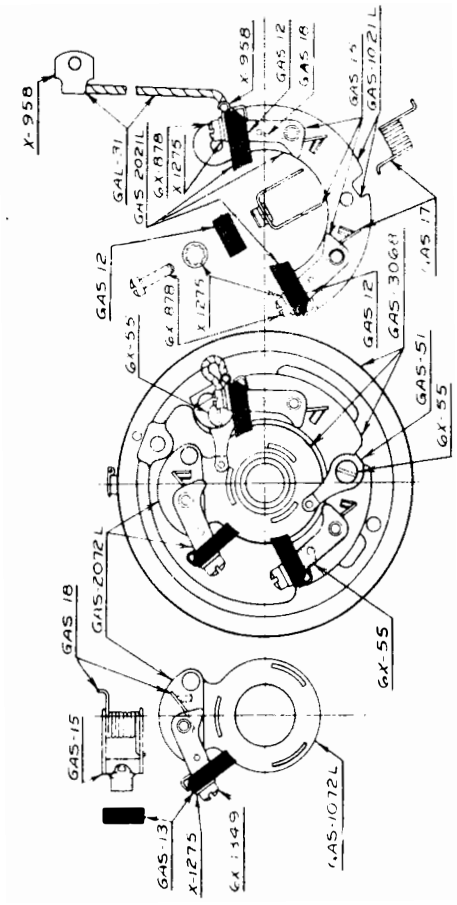
CB-4014	1	Circuit Breaker Assy.
CB-123	1	Armature Spring
CB-160	1	C.B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Screw
GAS-87	2	C.B. Spacer
GAS-1024	1	Head Band Assembly
X-196	2	#10 Lock Washer
8X-311	2	#10-32x3/8 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

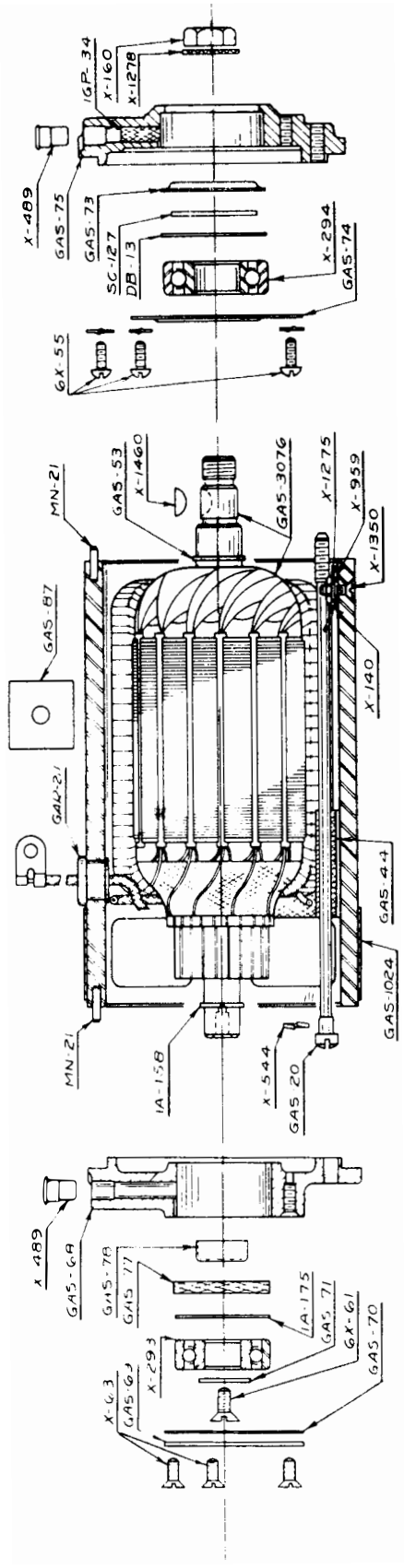
(Issued 1-24-36)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts he complete part can be assemble as needed."

GAS-4126 GENERATOR ILLUSTRATION







GAS-4127 GENERATOR PARTS LIST GAS-4127

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GAS-151	2	Bolt, Thru
(GAS-2149)	1	Frame & Field Assy.
GAS-44	1	Insulation, Field Connection
GAS-45	4	Holder, Field Coil
GAS-86	1	Lead Assy.
X-1423	1	Terminal
GAS-2005A	1	COIL ASSY., FIELD, COMP.
GAS-1007B	1	Coil Assy., Field, Left
X-1423	1	Terminal
GAS-1008A	1	Coil Assy., Field, Right
X-959	1	Terminal
GT-7	1	Bushing, Insulating
MN-21	2	Pin, Dowel
MZ-38A	2	Screw, Pole Shoe
X-140	1	Nut, Hex., #6-32
X-755	1	Terminal
X-1275	1	Washer, Skpf., #8
X-1350	1	Screw, Flat Hd., #6-32x7/16
X-544	2	Lockwasher, Thru Bolt, #10

Comm. End Head Assembly & Parts Used With

GAS-69A	1	Cover, Comm. End
GAS-70	1	Gasket, Cover, Comm. End
GAS-71	1	Washer, Bearing Retaining
GAS-77	1	Washer, Felt
GAS-78	1	Retainer, Felt Washer
GAS-2079B	1	Head Assy., Comm. End
GAS-51	2	Spring, Retaining, 3rd. Brush Plate
GAS-79A	1	Head
GAS-2021R	1	Plate Assy., Main Brush
GAL-31	1	Lead Assy., Ground
X-958	2	Terminal
GAS-15	2	Holder, Brush
GAS-17	1	Spring, Brush, Grounded
GAS-18	1	Spring, Brush, Insulated
GAS-1021R	1	Plate, Main Brush
GEM-12 †	2	Brush, Main
8X-122	1	Screw, Grounded Brush, Fill Hd. #8-32x1/2
12X-195	2	Lockwasher, Brush Sc.#8
8X-1496	1	Screw, Insulated Brush, Bdg. Hd. #8-32x7/16
GAS-2082R	1	Plate Assy., 3rd Brush
GAS-15	1	Holder, Brush
GAS-17	1	Spring, Brush
GAS-1082R	1	Plate, 3rd Brush
GEM-13 †	1	Brush
12X-195	1	Lockwasher, Brush Sc., #8

Comm. End Head Assy. (Continued)

Part No.	No. Used	Name of Part
8X-1496	1	Screw, Brush Hd., #8-32x7/16
8X-55	3	Screw, Rd. Hd., #8-32x3/8
X-195	1	Lockwasher, #8
X-489	1	Oiler, Press in Type, 1/4
IA-175	1	Washer, Felt Retaining
8X-61	1	Screw, Bearing Retaining, Flat Hd., #10-32x7/16
X-63	3	Screw, Flat Hd. #8-32x3/8
X-293	1	BEARING BALL S.A.E. #201

Armature Assembly & Parts Used With

GAS-152	1	Oil Thrower
GAS-2153	1	ARMATURE ASSY.
GAS-53	1	Snap Ring, D.E.
IA-158	1	Snap Ring, C.E.
GR-32A	1	Retainer, Felt Washer
X-160	1	Nut, Shaft, D.E. Hex., 7/16-20
X-1278	1	Washer, Shaft Skpf. 7/16
X-1460A	1	Key, Woodruff, #212

Drive End Head Assembly & Parts Used With

GAS-150	1	Gasket, D.E. Head
GAS-1154	1	Head Assy., Drive End
GAS-154	1	Head
GAS-155	1	Retainer, Bearing
GAS-156	1	Gasket, Retainer
GAS-324	1	Retainer, Felt Washer
GG-164	1	Washer, Felt
X-196	3	Lockwasher, #10
8X-311	3	Screw, Rd. Hd., #10-32x3/8
X-1470	1	BEARING, BALL, SHIELDED, S.A.E. #202

Miscellaneous Parts

CB-4014	1	RELAY ASSY., CUTOUT
GAS-87	2	Spacer, C.B. Mounting
GAS-1024	1	Band, Cover
X-196	2	Lockwasher, C.B. Mtg., Sc., #10
8X-311	2	Screw, Circuit Breaker Mtg., Rd. Hd., #10-32x3/8
8X-714	1	Screw, Cover Band, Rd. Hd., #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GEM-2012S.

UNIT	APPLICATION
GAS-4127	Hercules

(Issued 8-24-48)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-151	2	Frame Screw
(GAS-2157)	1	Frame & Field Assy.
GAS-29	2	Pole Piece
GAS-44	1	Field Connection Ins.
GAS-45	4	Field Coil Holder
GAS-86	1	C.B. Lead Assy.
X-1423	1	Terminal
GAS-2005A	1	Field Coil Assy. - Comp.
GAS-1007B	1	Field Coil Assy. - Left
X-1423	1	Terminal
GAS-1008A	1	Field Coil Assy. - Right
X-959	1	Terminal
GT-7	1	Insulating Bushing
MN-21	2	Dowel Pin
MZ-38	2	Pole Piece Screw
X-140	1	#6-32 Hex. Nut
X-755	1	Terminal
X-1275	1	#8 Skpf. Washer
X-1350	1	#6-32x7/16 Flat Hd. Screw
X-544	2	#10 Lock Washer

Comm. End Plate Assembly & Parts Used With

GAS-69	1	Comm. End Cap Cover
GAS-70	1	End Cap Cover Gasket
GAS-71	1	Brg. Retain'g Washer
GAS-77	1	Felt Washer
GAS-78	1	Felt Washer Retainer
(GAS-2079)	1	Comm. End Plate Assy.
GAS-61	2	3rd Brush Plate Retain'g Spring
GAS-79	1	Comm. End Plate
GAS-2021R	1	Brush Holder Plate Assy.
GAL-31	1	Ground Connector Assy.
X-958	2	Terminal
GAS-12‡	2	Brush - Main
GAS-15	2	Brush Holder
GAS-17	1	Brush Spring
GAS-18	1	Brush Spring
GAS-1021R	1	Brush Holder Plate Part Assy.
8X-878	2	#8-32x7/16 Fill. Hd. Screw
X-1275	2	#8 Skpf. Washer
GAS-2082R	1	3rd Brush Holder Plate Assembly
GAS-13‡	1	Brush - Third
GAS-15	1	Brush Holder
GAS-17	1	Brush Spring
GAS-1082R	1	3rd Brush Holder Plate Part Assy.
X-1275	1	#8 Skpf. Washer
8X-1349	1	#8-32x3/8 Fill. Hd. Sc.
8X-55	3	#8-32x3/8 Rd. Hd. Screw
X-195	1	#8 Lock Washer
X-489	1	1/4 Oiler - Press in Type
IA-175	1	Flat Steel Washer
8X-61	1	#10-32x7/16 Flat Hd. Screw
X-63	3	#8-32x3/8 Flat Hd. Screw
X-293	1	Ball Brg. - S.A.E. #201
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-152	1	Oil Thrower
GAS-2153	1	Armature Assy.
GAS-53	1	Snap Ring
IA-158	1	Snap Ring
X-160	1	7/16-20 Hex. Nut
X-1278	1	7/16 Skpf. Washer
X-1460	1	#212 Woodruff Key

Drive End Head Assembly & Parts Used With

GAS-150	1	D.E. Head Gasket
GAS-1154	1	Drive End Head Assy.
GAS-154	1	Drive End Head
GAS-155	1	Bearing Retainer
GAS-156	1	Gasket
GG-164	1	Felt Washer
X-196	3	#10 Lock Washer
8X-311	3	#10-32x3/8 Rd. Hd. Screw
X-1470	1	Ball Brg. - S.A.E. #202

Miscellaneous Parts

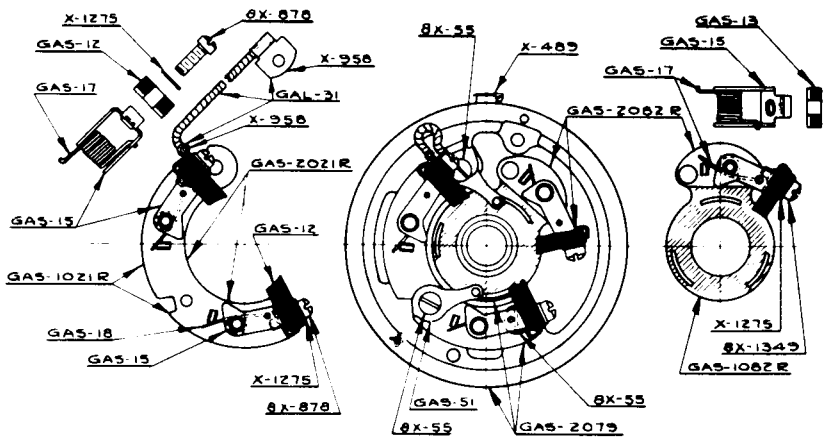
CB-4014	1	Circuit Breaker Assy.
CB-123	1	Armature Spring
CB-160	1	C.B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Screw
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Screw
GAS-87	2	C.B. Spacer
GAS-1024	1	Head Band Assy.
X-196	2	#10 Lock Washer
8X-311	2	#10-32x3/8 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

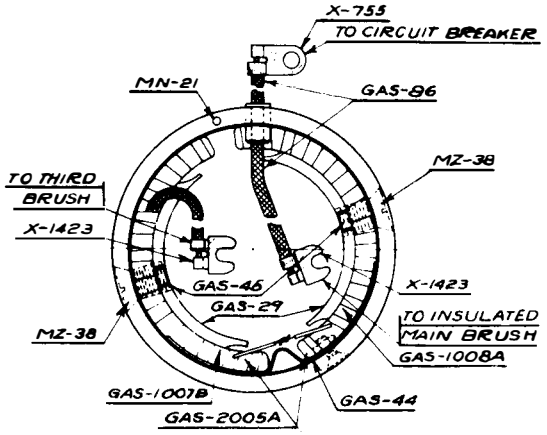
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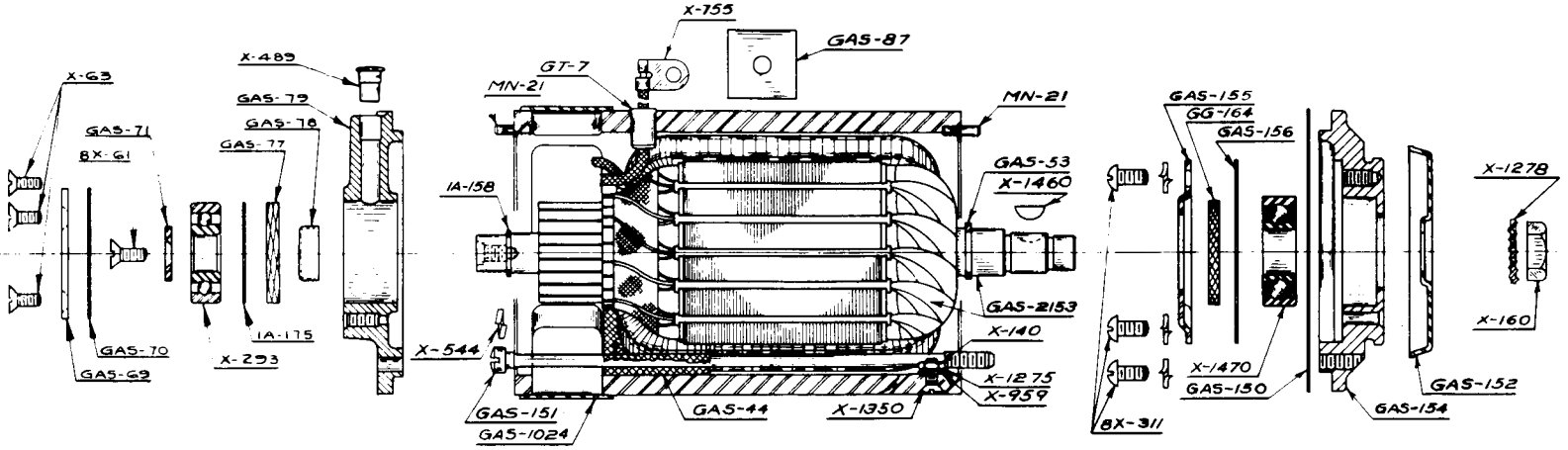
‡ Service Brush Set GAS-2012.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GAS-4128 GENERATOR ILLUSTRATION







Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-20	2	Frame Screw
(GAS-2158)	1	Frame & Field Assy.
GAS-29	2	Pole Piece
GAS-44	1	Field Connection Ins.
GAS-45	4	Field Coil Holder
GAS-181	1	C. B. Lead Assy.
X-1423	1	Terminal
GAS-2005A	1	Field Coil Assy. - Comp.
GAS-1007B	1	Field Coil Assy.-Left
X-1423	1	Terminal
GAS-1008A	1	Field Coil Assy.-Right
X-959	1	Side Terminal
GT-7	1	Insulating Bushing
MN-21	2	Dowel Pin
MZ-38	2	Pole Piece Screw
X-140	1	#6-32 Hex. Nut
X-755	1	Terminal
X-1275	1	#8 Skpf. Washer
X-1350	1	#6-32x7/16 Flat Hd. Sc.
X-544	2	#10 Lock Washer

Comm. End Plate Assy. & Parts Used With

GAS-69	1	Comm. End Cap Cover
GAS-70	1	End Cap Cover Gasket
GAS-71	1	Bearing Retaining Washer
GAS-77	1	Felt Washer
GAS-78	1	Felt Washer Retainer
(GAS-2147)	1	Comm. End Plate Assy.
GAS-51	2	3rd Brush Plate Retaining Spring
GAS-147	1	Comm. End Plate
GAS-2021R	1	Brush Holder Plate Assy.
GAL-31	1	Ground Connector Assy.
X-958	2	Side Terminal
GAS-12‡	2	Brush - Main
GAS-15	2	Brush Holder
GAS-17	1	Brush Spring
GAS-18	1	Brush Spring
GAS-1021R	1	Brush Holder Plate Part Assy.
8X-122	2	#8-32x1/2 Fill. Hd. Sc.
X-1275	2	#8 Skpf. Washer
GAS-2082R	1	3rd Brush Holder Plate Assy.
GAS-13‡	1	Brush - Third
GAS-15	1	Brush Holder
GAS-17	1	Brush Spring
GAS-1082R	1	3rd Brush Holder Plate Part Assy.
8X-878	1	#8-32x7/16 Fill. Hd. Sc
X-1275	1	#8 Skpf. Washer
8X-55	3	#8-32x3/8 Rd. Hd. Sc.
X-195	1	#8 Lock Washer
X-489	1	1/4 Oiler - Press in Type
IA-175	1	Flat Steel Washer
8X-61	1	#10-32x7/16 Flat Hd. Screw
X-63	3	#8-32x3/8 Flat Hd. Screw
X-293	1	Ball Bearing - S.A.E. #201
		1 2 3 4 5

Armature Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-2111	1	Armature Assembly
GAR-171	1	Snap Ring
IA-158	1	Snap Ring
GJ-179	1	7/16 Plain Washer
X-160	1	7/16-20 Hex. Nut
X-205	1	7/16 Lock Washer
X-260	1	#5 Woodruff Key

Drive End Head Assy. & Parts Used With

GAS-1146	1	Drive End Head Assy.
GAS-103	1	Cupped Felt Guard
GAS-104	1	Bearing Retainer
GAS-146	1	Drive End Head
GG-164	1	Felt Washer
GT-76	1	Felt Washer Retainer
8X-55	3	#8-32x3/8 Rd. Hd. Screw
X-195	3	#8 Lock Washer
X-295	1	Ball Bearing - S.A.E. #203
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

CB-4014	1	Circuit Breaker Assy.
CB-123	1	Armature Spring
CB-160S	1	C. B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Sc.
GAS-87	2	C. B. Spacer
GAS-1024A	1	Head Band Assy.
X-196	2	#10 Lock Washer
8X-311	2	#10-32x3/8 Rd. Hd. Screw
X-714	1	#10-32x1 1/2 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 4-25-41)

‡ Service Brush Set GAS-2012.

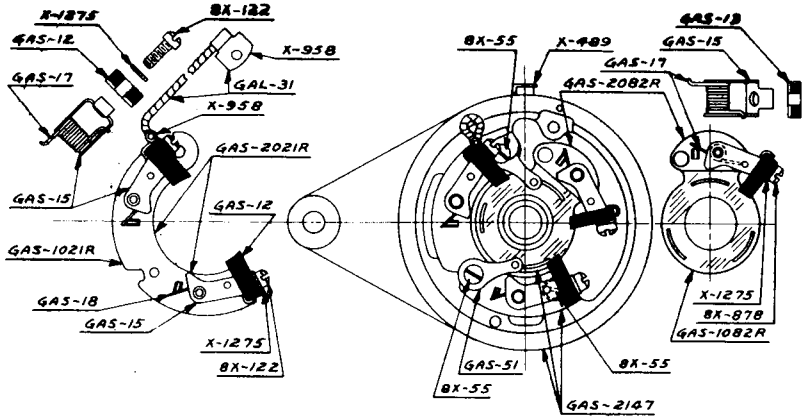
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GAS-4129	Le Roi

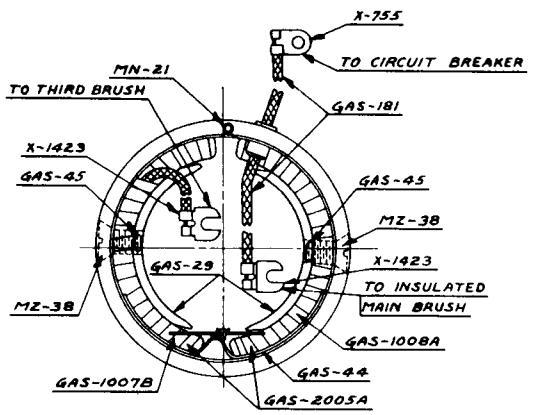
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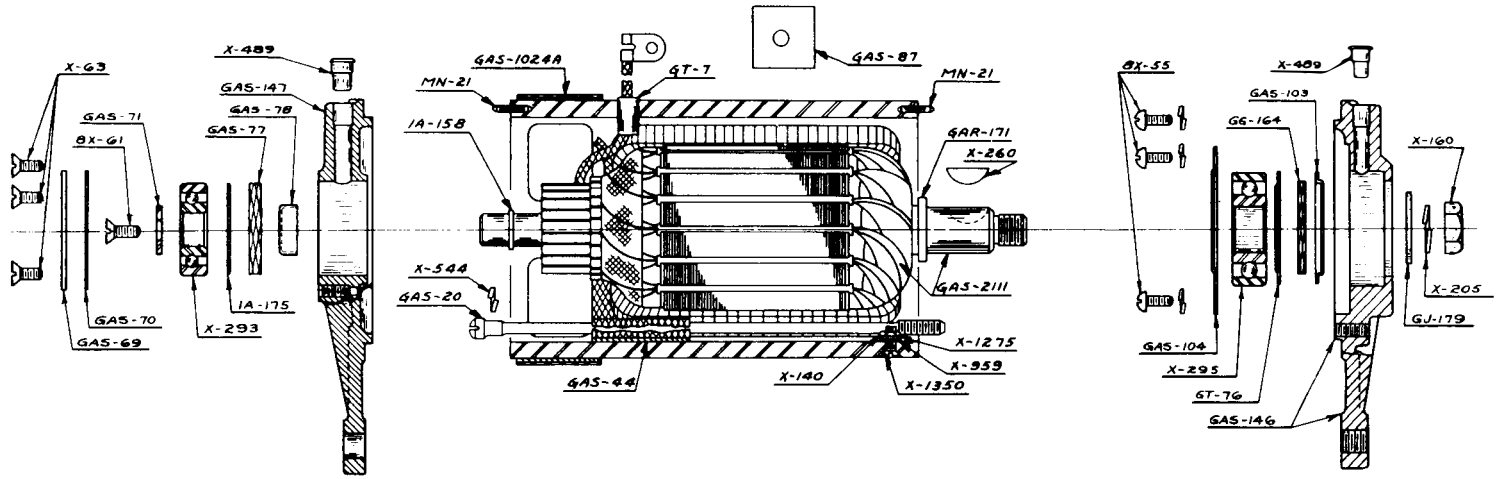
File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GAS-4129 GENERATOR ILLUSTRATION







GAS-4129
File A-822

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-20A	2	Frame Screw
(GAS-2091A)	1	Frame & Field Assembly
GAS-29	2	Pole Piece
GAS-44	1	Field Connection Ins.
GAS-45	4	Field Coil Holder
GAS-86	1	C.B. Lead Assy.
X-1423	1	Terminal
GAS-2005A	1	Field Coil Assy. - Comp.
GAS-1007B	1	Field Coil Assy. - Left
X-1423	1	Terminal
GAS-1008A	1	Field Coil Assy. - Right
X-959	1	Terminal
GT-7	1	Insulating Tube
MN-21	2	Dowel Pin
MZ-38A	2	Pole Piece Screw
X-140	1	#6-32 Hex. Nut
X-755	1	Terminal
X-1275	1	#8 Skpf. Washer
X-1350	1	#6-32x7/16 Flat Hd. Screw
X-544	2	#10 Lock Washer

Comm. End Plate Assembly & Parts Used With

GAS-69A	1	Comm. End Cap Cover
GAS-70	1	End Cap Cover Gasket
GAS-71	1	Brg. Retain'g Washer
GAS-77	1	Felt Washer
GAS-78	1	Felt Washer Retainer
(GAS-2079C)	1	Comm. End Plate Assy.
GAS-51	2	3rd Brush Plate Assy.
GAS-79B	1	Comm. End Plate
GAS-2021R	1	Brush Holder Plate Assy.
GAL-31	1	Ground Connector Assy.
X-958	2	Terminal
GAS-12‡	2	Brush - Main
GAS-15	2	Brush Holder
GAS-17	1	Brush Spring
GAS-18	1	Brush Spring
GAS-1021R	1	Brush Holder Plate Part Assy.
8X-878	2	#8-32x7/16 Fill. Hd. Screw
X-1275	2	#8 Skpf. Washer
GAS-2082RA	1	3rd Brush Holder Plate Assembly
GAS-13‡	1	Brush - Third
GAS-15	1	Brush Holder
GAS-17	1	Brush Spring
GAS-1082RA	1	3rd Brush Holder Plate Part Assy.
X-1275	1	#8 Skpf. Washer
8X-1349	1	#8-32x3/8 Fill. Hd. Sc.
8X-55	3	#8-32x3/8 Rd. Hd. Screw
X-195	1	#8 Lock Washer
X-489	1	1/4 Oiler - Press in Type
IA-175	1	Flat Steel Washer
8X-61	1	#10-32x7/16 Flat Hd. Screw
8X-63	3	#8-32x3/8 Flat Hd. Screw
X-293	1	Ball Brg. - S.A.E. #201
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-89	1	Armature Shaft Spacer
GAS-2076	1	Armature Assembly
GAS-53	1	Snap Ring
IA-158	1	Snap Ring
8X-160	1	7/16-20 Hex. Nut
X-1278	1	7/16 Skpf. Washer
X-1460	1	#212 Woodruff Key

Drive End Head Assembly & Parts Used With

GAS-1075D	1	Drive End Head Assy.
DB-13	1	Flat Felt Guard
GAS-73	1	Cupped Felt Guard
GAS-74	1	Bearing Retainer
GAS-75B	1	Drive End Head
IGP-34	1	Felt Wick
SC-127	1	Felt Washer
8X-55	3	#8-32x3/8 Rd. Hd. Screw
X-195	3	#8 Lock Washer
X-294	1	Ball Brg. - S.A.E. #202
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

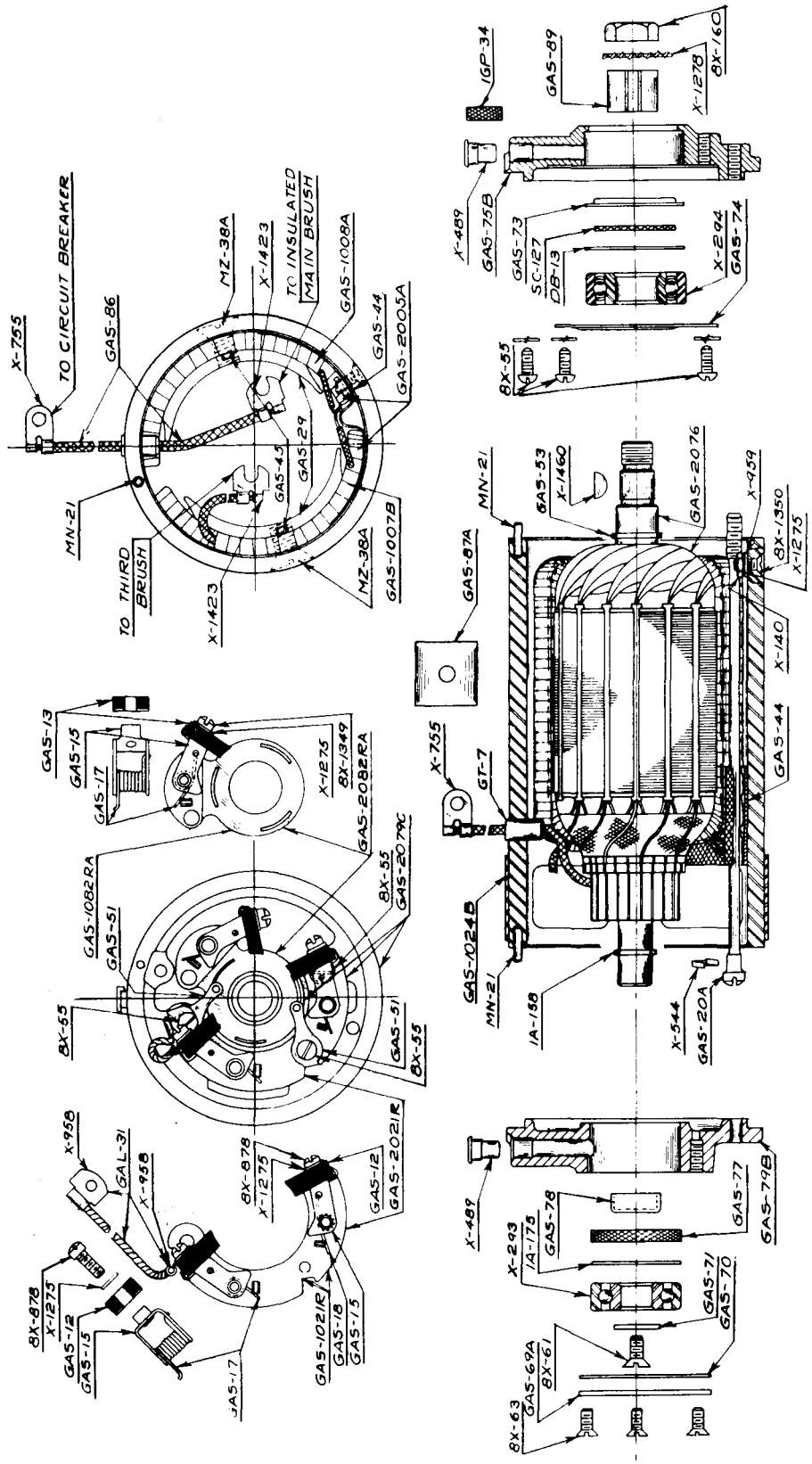
CB-4014	1	Circuit Breaker Assy.
CB-123	1	Armature Spring
CB-160	1	C.B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Screw
GAS-87A	2	C.B. Spacer
GAS-1024B	1	Head Band Assembly
12X-196	2	#10 Lock Washer
8X-311	2	#10-32x3/8 Rd. Hd. Screw
8X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 11-18-36)

‡ Service Brush Set GAS-2012.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part c n be ssembled as needed."

GAS-4131 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-20A	2	Frame Screw
(GAS-3113A)	1	Frame & Field Assy.
GAS-29	2	Pole Piece
GAS-44	1	Field Connection Ins.
GAS-45	4	Field Coil Holder
GAS-86	1	C.B. Lead Assy.
X-1423	1	Terminal
GAS-2005	1	Field Coil Assy. - Comp.
GAS-1007A	1	Field Coil Assy. - Left
X-1424	1	Terminal
GAS-1008A	1	Field Coil Assy. - Right
X-959	1	Terminal
GT-7	1	Insulating Bushing
MN-21	2	Dowel Pin
MZ-38A	2	Pole Piece Screw
X-140	1	#6-32 Hex. Nut
X-755	1	Terminal
X-1275	1	#8 Skpf. Washer
X-1350	1	#6-32x7/16 Flat Hd. Screw
X-544	2	#10 Lock Washer

Comm. End Plate Assembly & Parts Used With

GAS-52A	1	Grease Hole Cover
(GAS-3002A)	1	Comm. End Plate Assy.
GAS-51	2	3rd Br. Plate Retain'g Spring
GAS-1002A	1	Comm. End Plate Part Assy.
GAS-49	1	Absorbent Bronze Brg.
GAS-2014L	1	3rd Brush Holder Plate Assembly
GAS-13‡	1	Brush - Third
GAS-15	1	Brush Holder
GAS-18	1	Brush Spring
GAS-1014L	1	3rd Br. Holder Plate Part Assy.
X-1275	1	#8 Skpf. Washer
8X-1349	1	#8-32x3/8 Fill. Hd. Sc.
GAS-2021L	1	Brush Holder Plate Assy.
GAL-31	1	Ground Connector Assy.
X-958	2	Terminal
GAS-12‡	2	Brush - Main
GAS-15	2	Brush Holder
GAS-17	1	Brush Spring
GAS-18	1	Brush Spring
GAS-1021L	1	Brush Holder Plate Part Assy.
8X-878	2	#8-32x7/16 Fill. Hd. Screw
X-1275	2	#8 Skpf. Washer
8X-55	3	#8-32x3/8 Rd. Hd. Screw
X-195	1	#8 Lock Washer
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-89	1	Armature Shaft Spacer
GAS-3114	1	Armature Assembly
GAS-53	1	Snap Ring
8X-160	1	7/16-20 Hex. Nut
X-1460	1	#212 Woodruff Key

Drive End Head Assembly & Parts Used With

GAS-1075D	1	Drive End Head Assy.
DB-13	1	Flat Felt Guard
GAS-73	1	Cupped Felt Guard
GAS-74	1	Bearing Retainer
GAS-75B	1	Drive End Head
IGP-34	1	Felt Wick
SC-127	1	Felt Washer
8X-55	3	#8-32x3/8 Rd. Hd. Screw
X-195	3	#8 Lock Washer
X-294	1	Ball Brg. - S.A.E. #202
X-489	1	1/4 Oiler - Press in Type

Dist. Mounting Housing & Parts Used With

GAG-58A	1	Dist. Mtg. Housing Clamp
GT-121C	1	Dist. Mtg. Housing
GW-19A	1	Bearing Cover
IG-86	1	Hinge Pin
IG-256	1	Dist. Gear - Follower
8X-53	1	#8-32x5/8 Rd. Hd. Screw
8X-141	1	#8-32 Hex. Nut
8X-505	1	1/8 Pipe Plug
X-544	3	#10 Lock Washer
8X-900	3	#10-32x7/8 Fill. Hd. Screw

Miscellaneous Parts

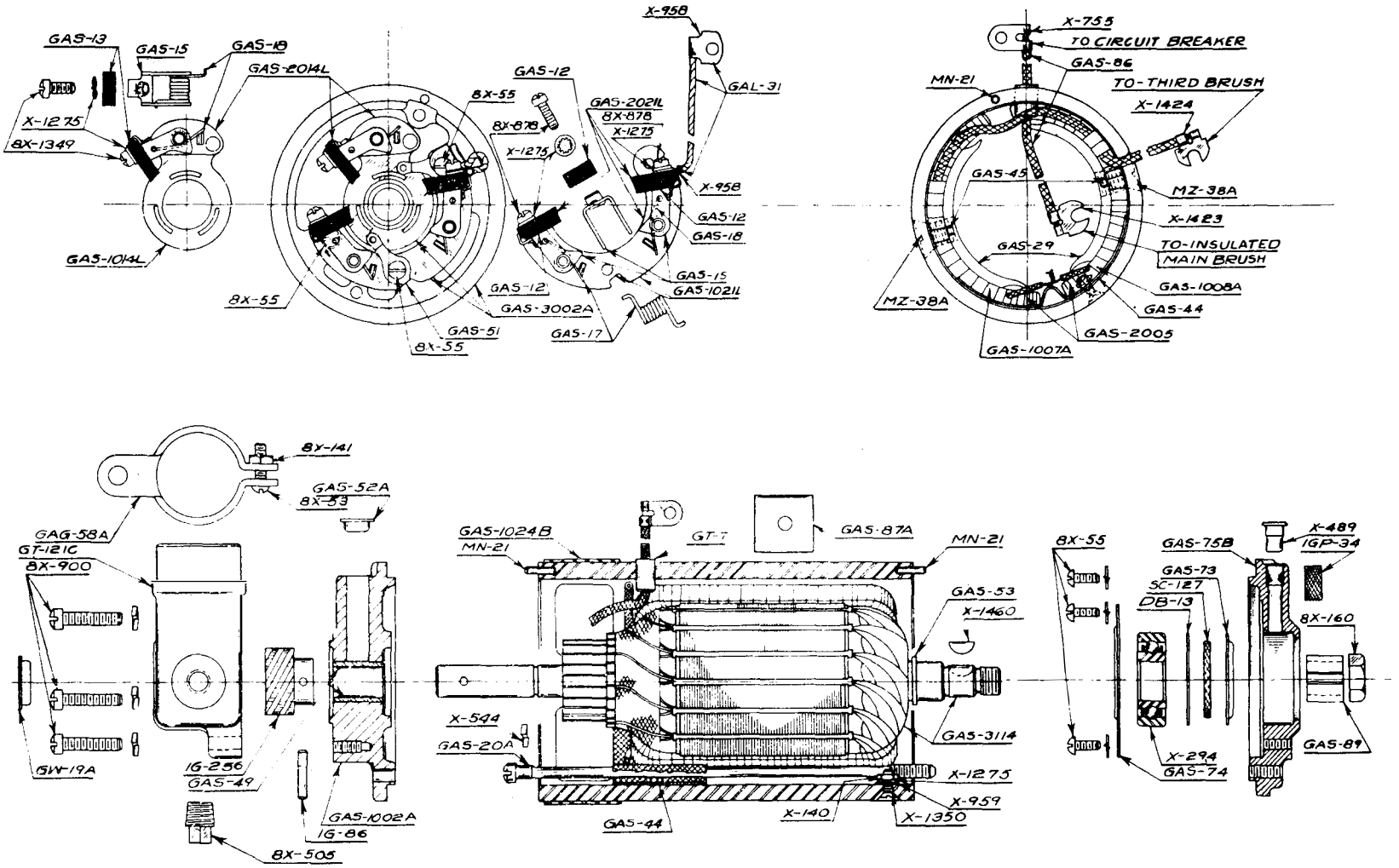
CB-4014B	1	Circuit Breaker Assy.
CB-123	1	Armature Spring
CB-160	1	C.B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Screw
GAS-87A	2	C.B. Spacer
GAS-1024B	1	Head Band Assembly
12X-196	2	#10 Lock Washer
8X-311	2	#10-32x3/8 Rd. Hd. Screw
8X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 12-28-36)

‡ Service Brush Set GAS-2012.

"NOTE: Where part numbers are shown i parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GAS-4132 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-20	2	Frame Screw
(GAS-2167)	1	Frame & Field Assy.
GAS-29	2	Pole Piece
GAS-44	1	Field Connection Ins.
GAS-45	4	Field Coil Holder
GAS-86	1	C.B. Lead Assy.
X-1423	1	Terminal - Spade Type R.H.
CAS-121	1	Insulating Bushing
GAS-2005D	1	Field Coil Assy.-Comp.
GAS-1007B	1	Field Coil Assy.-Left
X-1423	1	Terminal - Spade Type - L.H.
GAS-1008C	1	Field Coil - Right
MN-21	2	Dowel Pin
MZ-38	2	Pole Piece Screw
X-755	2	Terminal
X-544	2	#10 Lock Washer

Comm. End Plate Assembly & Parts Used With

GAS-69	1	Comm. End Cap Cover
GAS-70	1	End Cap Cover Gasket
GAS-71	1	Brg. Retaining Washer
GAS-77	1	Felt Washer
GAS-78	1	Felt Washer Retainer
(GAS-2147A)	1	Comm. End Plate
GAS-51	2	3rd Brush Plate Retaining Spring
GAS-147	1	Comm. End Plate
GAS-2021R	1	Brush Holder Plate Assy.
GAL-31	1	Ground Connector Assy.
X-958	2	Side Terminal
GAS-12‡	2	Brush - Main
GAS-15	2	Brush Holder
GAS-17	1	Brush Spring
GAS-18	1	Brush Spring
GAS-1021R	1	Brush Holder Plate Part Assy.
8X-122	2	#8-32x1/2 Fill.Hd.Sc.
X-1275	2	#8 Skpf. Washer
GAS-2082RA	1	3rd Brush Holded Plate Assy.
GAS-13‡	1	Brush - 3rd
GAS-15	1	Brush Holder
GAS-17	1	Brush Spring
GAS-1082RA	1	3rd Brush Holder Plate Part Assy.
8X-878	1	#8-32x7/16 Fill.Hd.Sc.
X-1275	1	#8 Skpf. Washer
8X-55	3	#8-32x3/8 Rd. Hd. Sc.
X-195	1	#8 Lock Washer
X-489	1	1/4 Oiler - Press in Type
IA-175	1	Flat Steel Washer
8X-61	1	#10-32x7/16 Flat Hd. Sc.
X-63	3	#8-32x3/8 Flat Hd. Sc.
X-293	1	Ball Brg. - S.A.E. #201
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-2111	1	Armature Assy.
GAR-171	1	Snap Ring
IA-158	1	Snap Ring
GJ-179	1	7/16 Plain Washer
X-160	1	7/16-20 Hex. Nut
X-205	1	7/16 Lock Washer
X-260	1	#5 Woodruff Key

Drive End Head Assembly & Parts Used With

GAS-1146	1	Drive End Head Assy.
GAS-103	1	Cupped Felt Guard
GAS-104	1	Bearing Retainer
GAS-146	1	Drive End Head
GG-164	1	Felt Washer
GT-76	1	Felt Washer Retainer
8X-55	3	#8-32x3/8 Rd. Hd. Sc.
X-195	3	#8 Lock Washer
X-295	1	Ball Bearing-S.A.E. #203
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

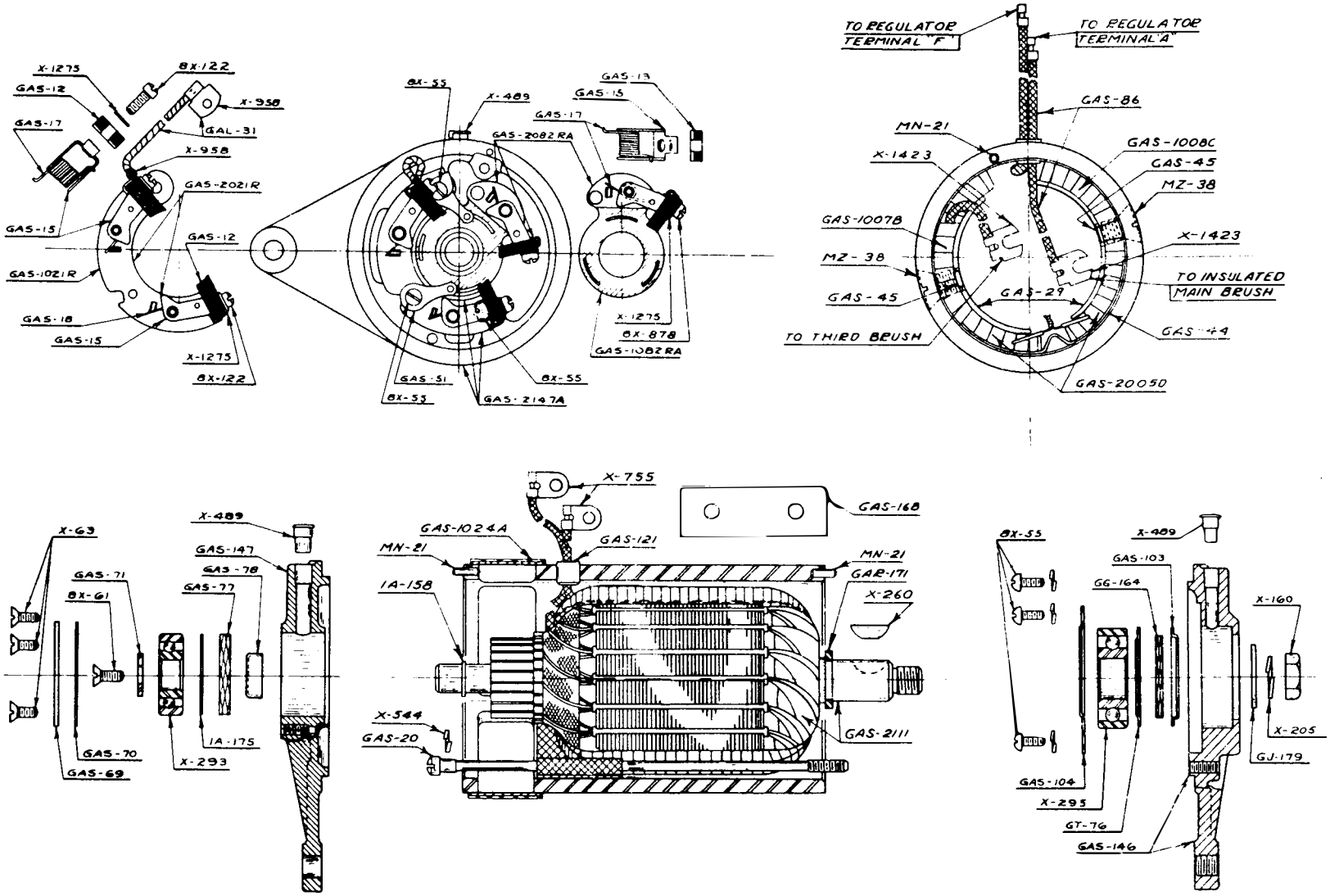
CAS-168	2	T.C. Regulator Spacer
GAS-1024A	1	Head Band Assembly
TC-4302A	1	Two Charge Regulator & Circuit Breaker
X-196	4	#10 Lock Washer
8X-311	4	#10-32x3/8 Rd. Hd. Sc.
X-714	1	#10-32x1 1/2 Rd. Hd. Sc.
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 12-8-37)

‡ Service Brush Set GAS-2012.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GAS-4136 GENERATOR ILLUSTRATION



Part No.	No. Used	Name of Part
		1 2 3 4 5
Frame & Field Assembly & Parts Used With		
GAS-20A	2	Bolt, Through
(GAS-2138)	1	Frame & Field Assy.
GAS-44	1	Insulation, Field Connection
GAS-45	4	Holder, Field Coil
GAS-86	1	Lead Assy.
X-1423	1	Terminal
GAS-2005A	1	Coil Assy., Field, Comp.
GAS-1007B	1	Coil Assy., Field, Left
X-1423	1	Terminal
GAS-1008A	1	Coil Assy., Field, Right
X-959	1	Terminal
GT-7	1	Bushing, Insulating
MN-21	2	Pin, Dowel, Head Locating
MZ-38	2	Screw, Pole Shoe
X-140	1	Nut, Field Ground, Hex., #6-32
X-755	1	Terminal
X-1275	1	Washer, Skpf., Field Grd., #8
X-1350	1	Screw, Field Ground, Flat hd., #6-32x7/16
X-544	2	Washer, Lock, Thru Bolt, #10
Comm. End Head Assembly & Parts Used With		
GAS-69A	1	Cover, Comm. End
GAS-70	1	Gasket, Cover, Comm. End
GAS-71	1	Washer, Bearing Retaining
GAS-77	1	Washer, Felt
GAS-78	1	Retainer, Felt Washer
(GAS-2079)	1	Head Assy., Comm. End
GAS-51	2	Spring, Retaining, 3rd Brush Plate
GAS-79	1	Head
GAS-2021R	1	Plate Assy., Main Brush
GAL-31	1	Lead Assy., Ground
X-958	2	Terminal
GAS-15	2	Holder, Brush
GAS-17	1	Spring, Brush, Grounded
GAS-18	1	Spring, Brush, Insulated
GAS-1021R	1	Main Brush Plate
GEM-12‡	2	Brush, Main
8X-122	1	Screw, Grounded Brush, Fil hd., #8-32x1/22
X-1013	2	Washer, Lock, Brush Screw, #8
8X-1496	1	Screw, Ins. Brush, Bdg. hd., #8-32x7/16
GAS-2082R	1	Plate Assy., 3rd Brush
GAS-15	1	Holder, Brush
GAS-17	1	Spring, Brush
GAS-1082R	1	Plate, 3rd Brush
GEM-13‡	1	Brush
X-1013	1	Washer, Lock, Brush Screw, #8
8X-1496	1	Screw, Brush, Bdg. hd., #8-32x7/16
		1 2 3 4 5

Part No.	No. Used	Name of Part
		1 2 3 4 5
Comm. End Head Assembly (Continued)		
8X-55	3	Screw, Plate Attaching, Rd. hd., #8-32x3/8
X-195	1	Washer, Lock, Plate Sc., #8
X-489	1	Oiler, Hinge Top, Press in, 1/4
IA-175	1	Washer, Plain, Felt Retaining
8X-61	1	Screw, Bearing Retaining, Flat hd., #10-32x7/16
X-63	3	Screw, Cover Holding, Flat hd., #8-32x3/8
X-293	1	Bearing, Ball, S.A.E. #201
Armature Assembly & Parts Used With		
GAS-1176	1	Oil Thrower
GAS-2178	1	Armature Assy.
IA-158	1	Snap Ring, C.E.
GK-174	1	Washer, Plain, Armature Shaft, 1/2
X-156	1	Nut, Armature Shaft, Hex., Castellated, 1/2-20
X-263	1	Key, Woodruff, #8
X-404	1	Pin, Cotter, 3/32x1
Drive End Head Assembly & Parts Used With		
GAS-1179	1	Head Assy., Drive End
GAS-177	1	Retainer, Bearing
GAS-179	1	Head
8X-63	3	Screw, Retainer, Flat hd., #8-32x3/8
X-378	1	Bearing, Ball, Shielded, S.A.E. #204
Miscellaneous Parts		
CB-4014	1	Relay Assy., Cutout
CB-123	1	Spring, Armature
CB-160S	1	Cover
PX-55	1	Screw, Arm. Term., Bdg. hd., #10-32x3/16
X-196	1	Washer, Lock, Term. Sc., #10
8X-312	1	Screw, Bat. Term., Rd. hd., #10-32x1/4
GAS-87	2	Spacer, Relay Mounting
GAS-1024	1	Band, Cover
X-196	2	Washer, Lock, Cutout Relay Mtg., #10
8X-311	2	Screw, Mounting, Cutout Relay, Rd. hd., #10-32x3/8
X-714	1	Screw, Cover Band, Rd. hd., #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square, #10-32
		1 2 3 4 5

(Issued 3-11-44)

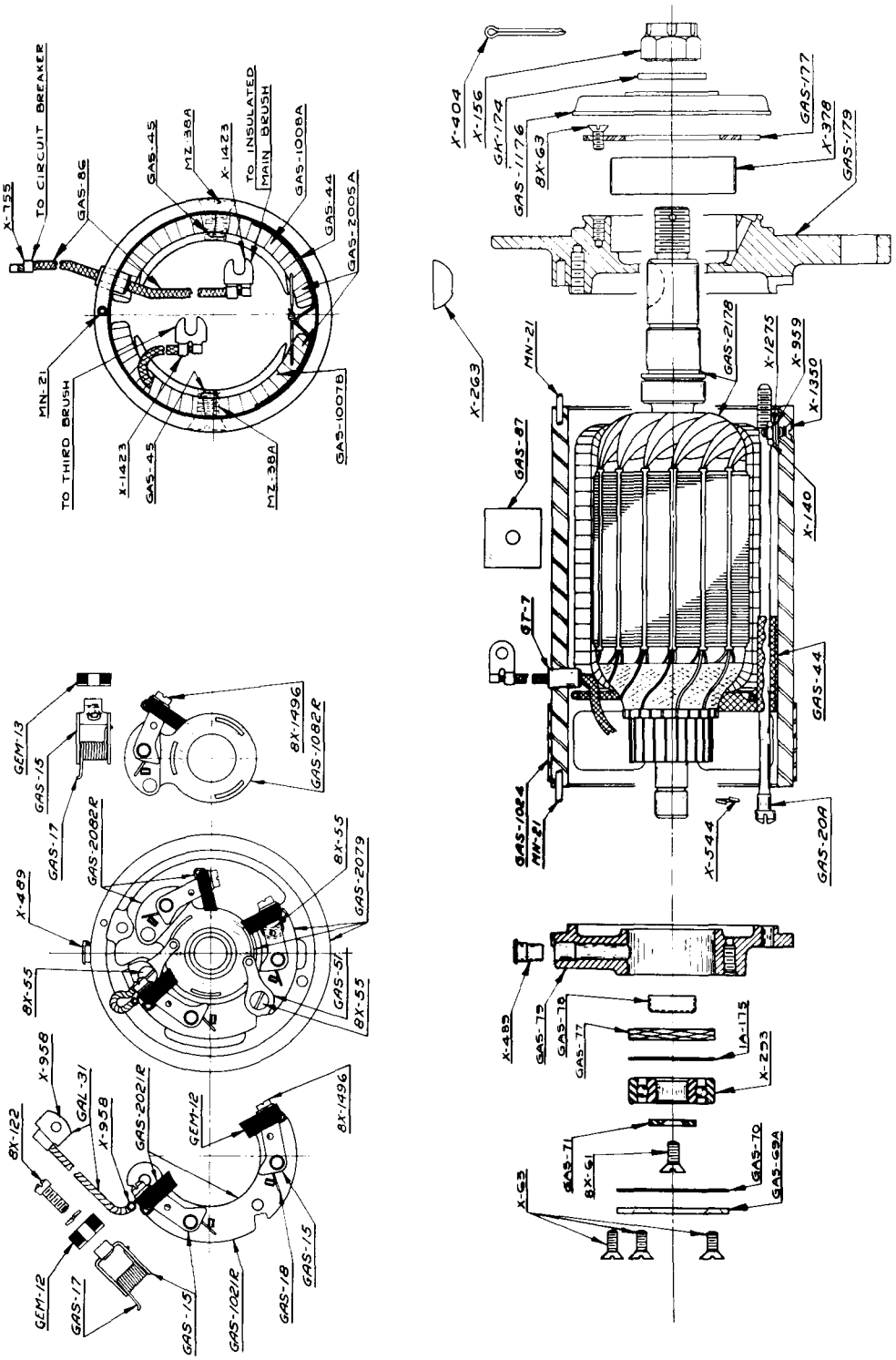
‡ Brush Set, GEM-2012S.

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File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GAS-4138 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-20	2	Frame Screw
(GAS-2162)	1	Frame & Field Assy.
GAS-29	2	Pole Piece
GAS-44	1	Field Connection Ins.
GAS-45	4	Field Coil Holder
GAS-86	1	C.B. Lead Assy.
X-1423	1	Terminal
GAS-2005A	1	FIELD COIL ASSY.-Comp.
GAS-1007B	1	Field Coil Assy.-Left
X-1423	1	Terminal
GAS-1008A	1	Field Coil Assy.-Right
X-959	1	Side Terminal
GT-7	1	Ins. Tube
MN-21	2	Dowel Pin
MZ-38	2	Pole Piece Screw
X-140	1	#6-32 Hex. Nut
X-755	1	Terminal
X-1275	1	#8 Skpf. Washer
X-1350	1	#6-32x7/16 Flat Hd. Sc.
X-544	2	#10 Lock Washer

Comm. End Plate Assembly & Parts Used With

GAS- 9	1	Comm. End Cap Cover
GAS-70	1	End Cap Cover Gasket
GAS-71	1	Bearing Retaining Washer
GAS-77	1	Felt Washer
GAS-78	1	Felt Washer Retainer
(GAS-2079)	1	Comm. End Plate Assy.
GAS-51	2	3rd Brush Plate Retaining Spring
GAS-79	1	Comm. End Plate
GAS-2021R	1	Brush Holder Plate Assy.
GAL-31	1	Ground Connector Assy.
X-958	2	Side Terminal
GAS-12‡	2	Brush - Main
GAS-15	2	Brush Holder
GAS-17	1	Brush Spring
GAS-18	1	Brush Spring
GAS-1021R	1	Brush Holder Plate Part Assy.
8X-122	2	#8-32x1/2 Fill. Hd. Sc
X-1275	2	#8 Skpf. Washer
GAS-2082R	1	3rd Brush Holder Plate Assy.
GAS-13‡	1	Brush - Third
GAS-15	1	Brush Holder
GAS-17	1	Brush Spring
GAS-1082R	1	3rd Brush Holder Plate Part Assy.
8X-878	1	#8-32x7/16 Fill. Hd. Sc Screw
X-1275	1	#8 Skpf. Washer
6X-55	3	#8-32x3/8 Rd. Hd. Screw
X-195	1	#8 Lock Washer
X-489	1	1/4 Oiler - Press in Type
IA-175	1	Flat Steel Washer
8X-61	1	#10-32x7/16 Flat Hd. Screw
X-63	3	#8-32x3/8 Flat Hd. Screw
X-293	1	BALL BEARING - S.A.E. 201
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-2076	1	ARMATURE ASSY.
GAS-53	1	Snap Ring
IA-158	1	Snap Ring
SP-90	1	Drive Pulley
X-160	1	7/16-20 Hex. Nut
X-1278	1	7/16 Skpf. Washer
X-1460	1	#212 Woodruff Key

Drive End Head Assembly & Parts Used With

GAS-1075	1	Drive End Head Assy.
DB-13	1	Flat Felt Guard
GAS-73	1	Cupped Felt Guard
GAS-74	1	Bearing Retainer
GAS-75	1	Drive End Head
IGP-34	1	Felt Wick
SC-127	1	Felt Washer
6X-55	3	#8-32x3/8 Rd. Hd. Screw
X-195	3	#8 Lock Washer
X-294	1	BALL BEARING - S.A.E. #202
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

CB-4014	1	CIRCUIT BREAKER Assy.
CB-123	1	Armature Spring
CB-160S	1	Circuit Breaker Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Screw
X-196	1	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Screw
GAS-87	2	Circuit Breaker Spacer
GAS-1024	1	Head Band Assy.
X-196	2	#10 Lock Washer
8X-311	2	#10-32x3/8 Rd. Hd. Screw
X-714	1	#10-32x1 1/2 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 4-3-39)

UNIT	APPLICATION
GAS-4139A	American Bantam

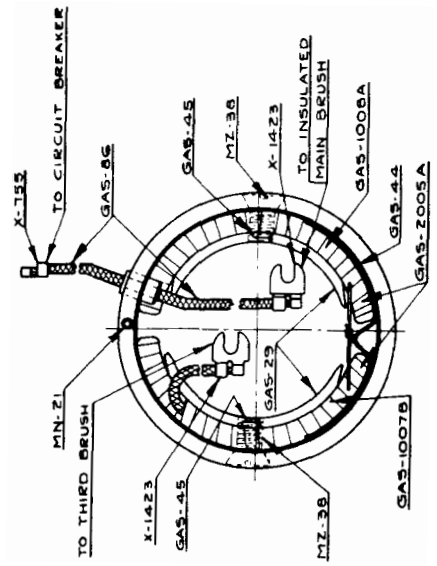
‡ Service BRUSH SET GAS-2012.

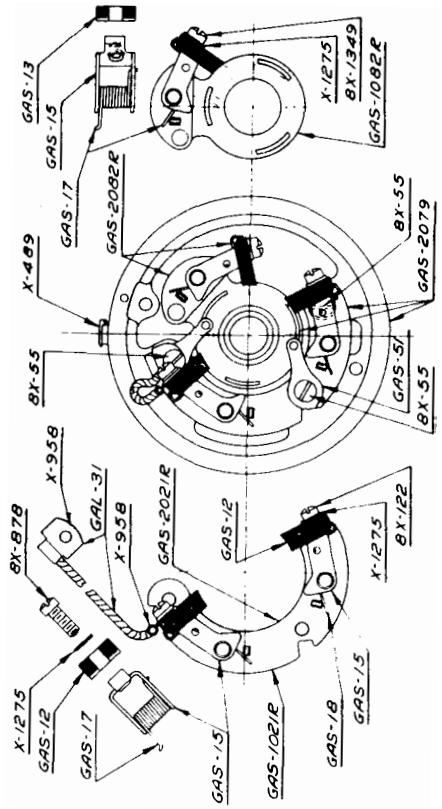
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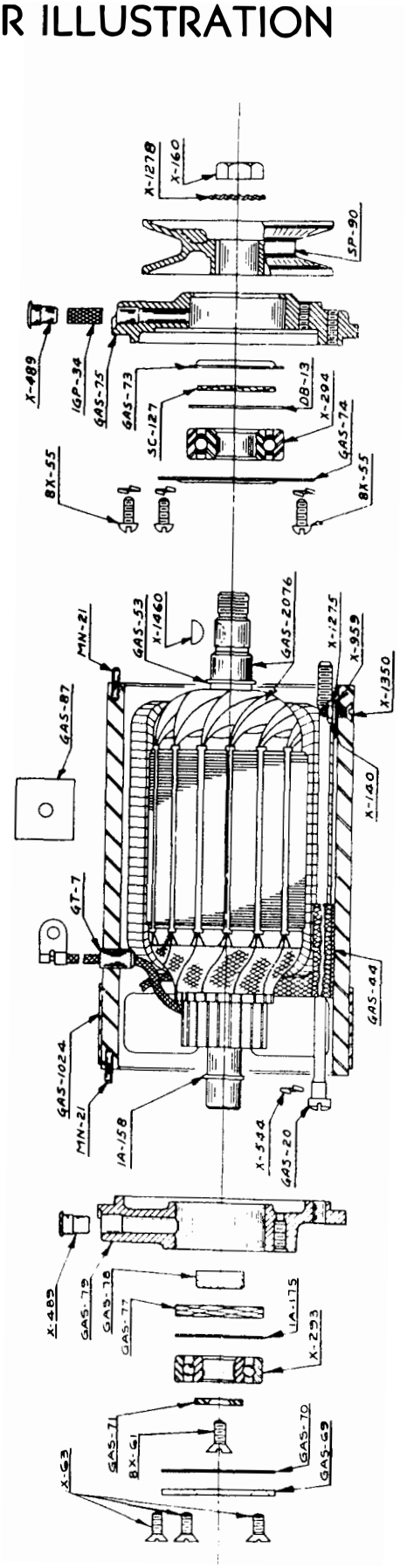
File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GAS-4139A GENERATOR ILLUSTRATION







Part No.	No. Used	Name of Part
		Frame & Field Assembly & Parts Used With
GAS-20A	2	Bolt, Thru
(GAS-2180)	1	Frame & Field Assy.
GAS-44	1	Insulation, Field Connection
GAS-45	4	Holder, Field Coil
GAS-86	1	Lead Assy.
X-1423	1	Terminal
GAS-2005A	1	Coil Assy., Field, Comp.
GAS-1007B	1	Coil Assy., Field, Left
X-1423	1	Terminal
GAS-1008A	1	Coil Assy., Field, Right
X-959	1	Terminal
GT-7	1	Bushing, Insulating
MN-21	2	Pin, Dowel, Head Locating
MZ-38	2	Screw, Pole Shoe
X-140	1	Nut, Field Grd., Hex., #6-32
X-755	1	Terminal
X-1275	1	Washer, Skpf., Field Grd., #8
X-1350	1	Screw, Field Grd., Flat hd., #6-32x7/16
X-544	2	Washer, Lock, Thru Bolt, #10
		Comm. End Head Assembly & Parts Used With
GAS-69A	1	Cover, Comm. End
GAS-70	1	Gasket, Cover, Comm. End
GAS-71	1	Washer, Bearing Retaining
GAS-77	1	Washer, Felt
GAS-78	1	Retainer, Felt Washer
(GAS-2079)	1	Head Assy., Comm. End
GAS-51	2	Spring, Retaining, 3rd Brush Plate
GAS-79	1	Head
GAS-2021R	1	Plate Assy., Main Brush
GAL-31	1	Lead Assy., Ground
X-958	2	Terminal
GAS-15	2	Holder, Brush
GAS-17	1	Spring, Brush, Grounded
GAS-18	1	Spring, Brush, Insulated
GAS-1021R	1	Plate, Main Brush
GEM-12*	2	Brush, Main
8X-122	1	Screw, Grounded Brush, Fil. hd., #8-32x1/2
X-1013	2	Washer, Lock, Brush Screw, #8
8X-1496	1	Screw, Ins. Brush, Bdg. hd., #8-32x7/16
GAS-2082R	1	Plate Assy., 3rd Brush
GAS-15	1	Holder, Brush
GAS-17	1	Spring, Brush
GAS-1082R	1	Plate, 3rd Brush
GEM-13*	1	Brush
X-1013	1	Washer, Lock, Brush Screw, #8
8X-1496	1	Screw, Brush, Bdg. hd., #8-32x7/16

1 2 3 4 5

Part No.	No. Used	Name of Part
		Comm. End Head Assy. (Con't.)
8X-55	3	Screw, Plate Attaching, Rd. hd., #8-32x3/8
X-195	1	Washer, Lock, Plate Sc., #8
X-489	1	Oiler, Hinge Top, Press in, 1/4
IA-175	1	Washer, Plain, Felt Retaining
8X-61	1	Screw, Bearing Retaining, Flat hd., #10-32x7/16
X-63	3	Screw, Cover Holding, Flat hd., #8-32x3/8
X-293	1	Bearing, Ball, S.A.E. #201
		Armature Assembly & Parts Used With
GAS-129	1	Oil Thrower
GAS-2136	1	Armature Assy.
GAS-53	1	Snap Ring, D.E.
IA-158	1	Snap Ring, C.E.
X-160	1	Nut, Armature Shaft, Hex., 7/16-20
X-1278	1	Washer, Skpf., Arm. Shaft, 7/16
X-1460	1	Key, Woodruff, #212
		Drive End Head Assembly & Parts Used With
GAS-1137	1	Head Assy., Drive End
GAS-137	1	Head, Drive End
GAS-139	1	Retainer, Bearing
GAS-140	1	Gasket, Retainer
8X-55	3	Screw, Retainer, Rd. hd., #8-32x3/8
X-195	3	Washer, Lock, Retainer Sc., #8
X-1470	1	Bearing, Ball, Shielded, S.A.E. #202
		Miscellaneous Parts
CB-4012	1	Relay Assy., Cutout
CB-123	1	Spring, Armature
CB-160S	1	Cover
PX-55	1	Screw, Arm. Term., Bdg. hd., #10-32x3/16
X-196	2	Washer, Lock, Term. Sc., #10
8X-312	1	Screw, Bat. Term., Rd. hd., #10-32x1/4
GAS-1024	1	Band, Cover
X-196	2	Washer, Lock, Cutout Relay Mtg., #10
8X-321	2	Screw, Mtg., Cutout Relay, Rd. hd., #10-32x5/16
X-714	1	Screw, Cover Band, Rd. hd., #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square, #10-32

1 2 3 4 5

(Issued 4-26-44)

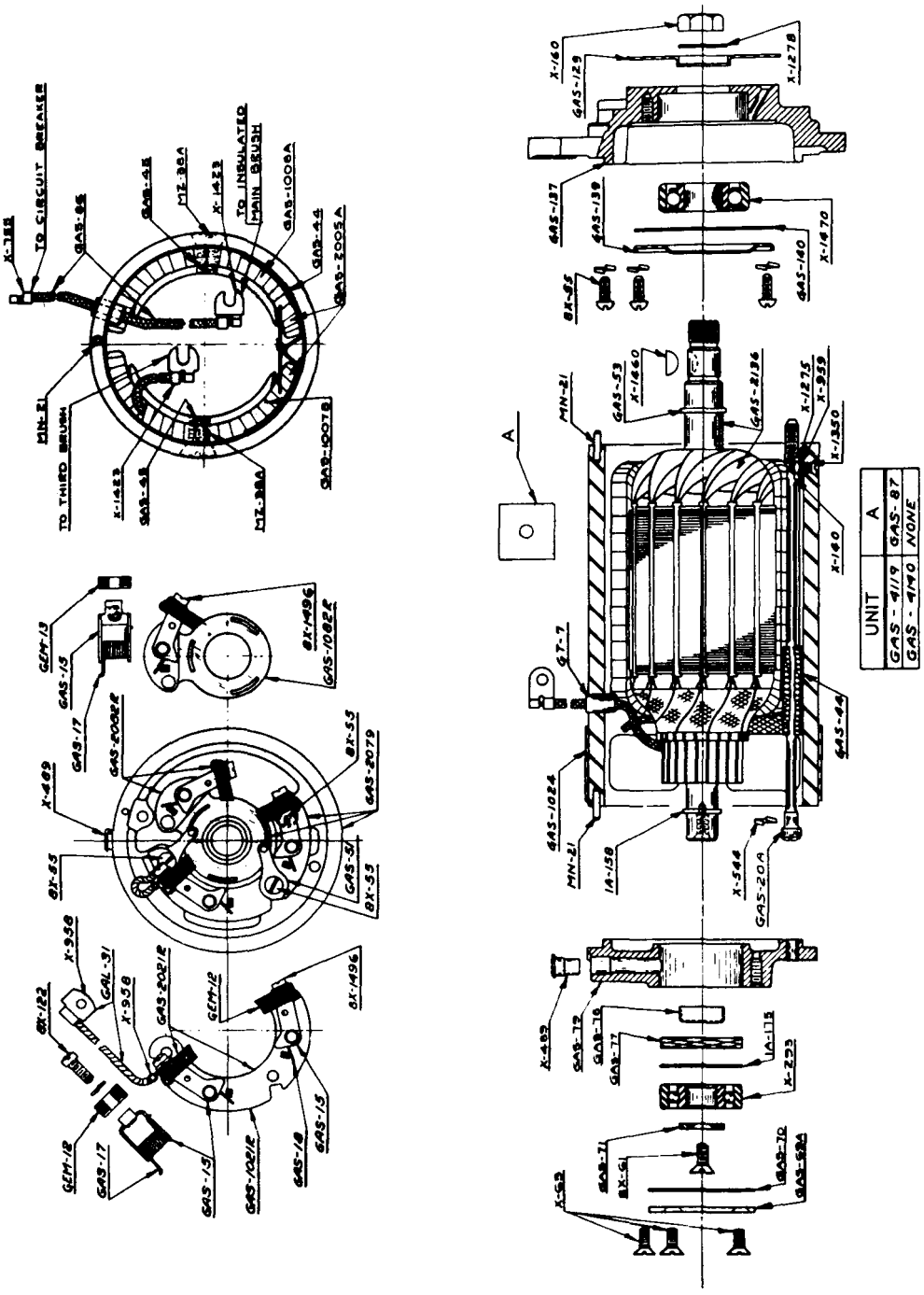
* Brush Set, Service, GEM-2012S.

Printed in U. S. A.

"NOTE: Where part num ers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can e assembled as needed."

File in Equipment & Parts List Binder

GAS-4140 GENERATOR ILLUSTRATION



Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-20	2	Frame Screw
(GAS-2185)	1	Frame & Field Assembly
GAS-29	2	Pole Piece
GAS-44	1	Field Connection Ins.
GAS-45	4	Field Coil Holder
GAS-86	1	C. B. Lead Assembly
X-1423	1	Terminal
GAS-2005A	1	FIELD COIL ASSY.- Comp.
GAS-1007B	1	Field Coil Assy.-Left
X-1423	1	Terminal
GAS-1008A	1	Field Coil Assy.-Right
X-959	1	Terminal
GT-7	1	Insulating Tube
MN-21	2	Dowel Pin
MZ-38	2	Pole Piece Screw
X-140	1	#6-32 Hex. Nut
X-755	1	Terminal
X-1275	1	#8 Skpf. Washer
X-1350	1	#6-32x7/16 Flat Hd. Sc.
X-544	2	#10 Lock Washer

Comm. End Plate Assy. & Parts Used With

GAS-69	1	Comm. End Cap Cover
GAS-70	1	End Cap Cover Gasket
GAS-71	1	Bearing Retaining Washer
GAS-77	1	Felt Washer
GAS-78	1	Felt Washer Retainer
(GAS-2079)	1	Comm. End Plate Assembly
GAS-51	2	3rd Brush Plate Retaining Spring
GAS-79	1	Comm. End Plate
GAS-2021R	1	Brush Holder Plate Assy.
GAL-31	1	Ground Connector Assy.
X-958	2	Terminal
GAS-12‡	2	Brush - Main
GAS-15	2	Brush Holder
GAS-17	1	Brush Spring
GAS-18	1	Brush Spring
GAS-1021R	1	Br. Holder Plate Part Assembly
8X-122	2	#8-32x1/2 Fill. Hd. Sc.
X-1275	2	#8 Skpf. Washer
GAS-2082R	1	3rd Brush Holder Plate Assembly
GAS-13‡	1	Brush - Third
GAS-15	1	Brush Holder
GAS-17	1	Brush Spring
GAS-1082R	1	3rd Brush Holder Plate Part Assembly
8X-878	1	#8-32x7/16 Fill.Hd. Sc.
X-1275	1	#8 Skpf. Washer
8X-55	3	#8-32x3/8 Rd. Hd. Screw
X-195	1	#8 Lock Washer
X-489	1	1/4 Oiler - Press in Type
IA-175	1	Flat Steel Washer
8X-61	1	#10-32x7/16 Flat Hd. Screw
X-63	3	#8-32x3/8 Flat Hd. Screw
X-293	1	BALL BEARING - S.A.E. #201
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-3076	1	ARMATURE ASSEMBLY
GAS-53	1	Snap Ring
IA-158	1	Snap Ring
X-160	1	7/16-20 Hex. Nut
X-1278	1	7/16 Skpf. Washer
X-1460	1	#212 Woodruff Key

Drive End Head Assy. & Parts Used With

GAS-1075E	1	Drive End Head Assembly
DB-13	1	Flat Felt Guard
GAS-73	1	Cupped Felt Guard
GAS-74	1	Bearing Retainer
GAS-75B	1	Drive End Head
IGP-34	1	Felt Wick
SC-127	1	Felt Washer
8X-55	3	#8-32x3/8 Rd. Hd. Sc.
X-195	3	#8 Lock Washer
X-294	1	BALL BRG.- S.A.E. #202
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

CB-4014	1	CIRCUIT BREAKER ASSEMBLY
CB-123	1	Armature Spring
CB-160S	1	C. B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Screw
GAS-87	2	C. B. Spacer
GAS-1024	1	Head Band Assembly
X-196	2	#10 Lock Washer
8X-311	2	#10-32x3/8 Rd. Hd. Screw
X-714	1	#10-32x1 1/2 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

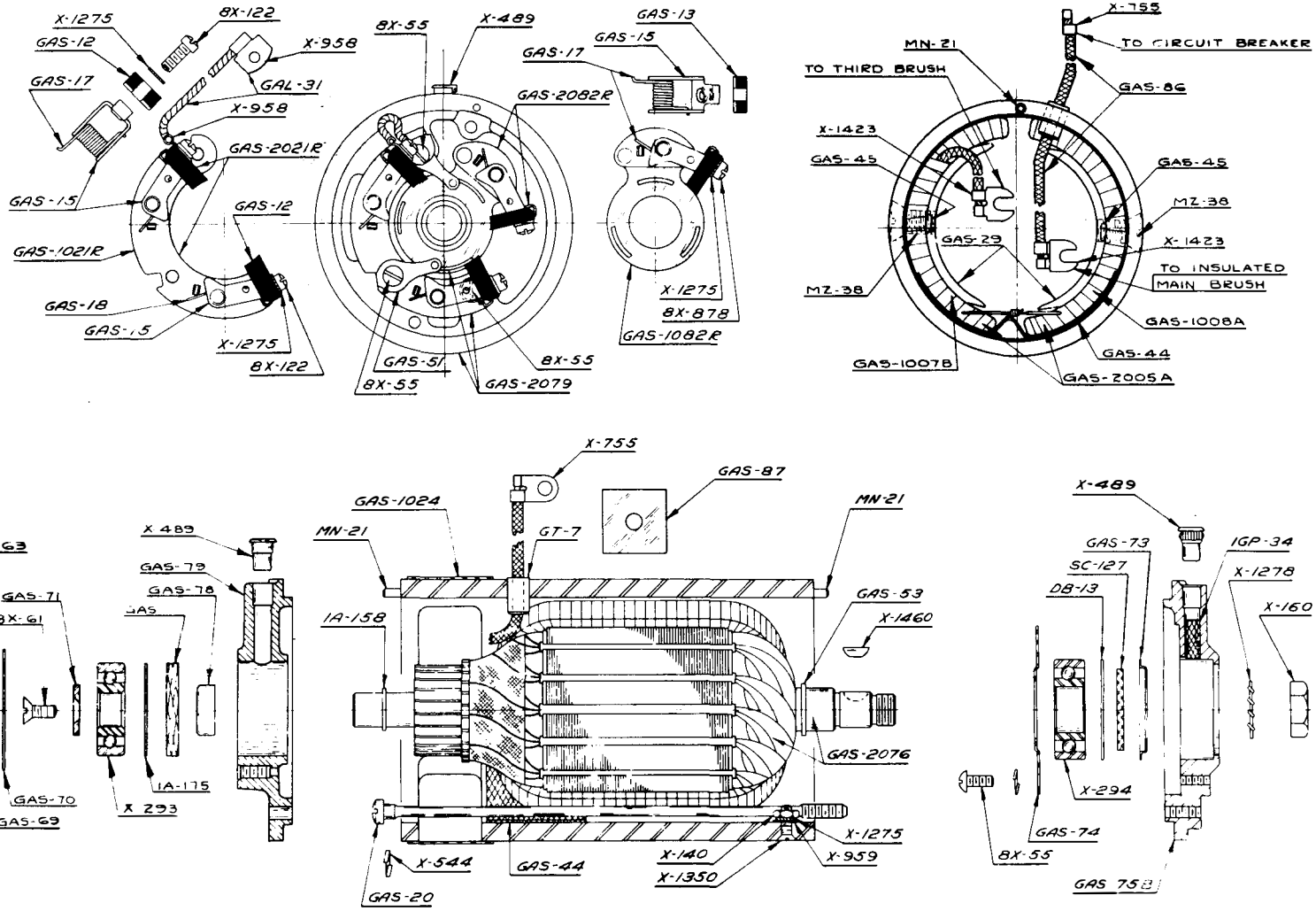
(Issued 5-2-40)

‡ Service BRUSH SET GAS-2012.

UNIT	APPLICATION
GAS-4141	Climax, Regal Mfg. Co.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GAS-4141 GENERATOR ILLUSTRATION



GAS-4143.A GENERATOR PARTS LIST GAS-4143,A

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-20A	2	Bolt, Thru
(GAS-2163)	1	Frame & Field Assy.
GAS-44	1	Insulation, Field Connection
GAS-45	4	Holder, Field Coil
GAS-86	1	Lead Assy.
X-1423	1	Terminal
GAS-121	1	Bushing, Insulating
GAS-2005D	1	Coil Assy., Field, Comp.
GAS-1007B	1	Coil Assy., Field, Left
X-1423	1	Terminal
GAS-1008C	1	Coil, Field, Right
MN-21	2	Pin, Dowel, Head Locating
MZ-38	2	Screw, Pole Shoe
X-755	2	Terminal
X-544	2	Washer, Lock, Thru Bolt, #10

Comm. End Head Assembly & Parts Used With

GAS-69A	1	Cover, Comm. End
GAS-70	1	Gasket, Cover, Comm. End
GAS-71	1	Washer, Felt
GAS-77	1	Washer, Felt
GAS-78	1	Retainer, Felt Washer
(GAS-2079E)	1	Head Assy., Comm. End
GAS-51	2	Spring, Retaining, 3rd. Brush Plate
GAS-79	1	Head
GAS-2021R	1	Plate Assy., Main Brush
GAL-31	1	Lead Assy., Ground
X-958	2	Terminal
GAS-15	2	Holder, Brush
GAS-17	1	Spring, Brush, Grounded
GAS-18	1	Spring, Brush, Insulated
GAS-1021R	1	Plate, Main Brush
GEM-12‡	2	Brush, Main
8X-122	1	Screw, Grounded, Brush, Fil. hd., #8-32x1/2
X-1013	2	Washer, Lock, Brush Screw, #8
8X-1496	1	Screw, Ins., Brush, Bdg. hd., #8-32x7/16
GAS-2082R	1	Plate Assy., 3rd Brush
GAS-15	1	Holder, Brush
GAS-17	1	Spring, Brush
GAS-1082R	1	Plate, 3rd Brush
GEM-13‡	1	Brush
X-1013	1	Washer, Lock, Brush Screw, #8
8X-1496	1	Screw, Brush, Bdg. hd., #8-32x7/16
8X-55	3	Screw, Plate Attaching Rd. hd., #8-32x3/8
X-195	1	Washer, Lock, Plate Sc., #8
X-386	1	Oiler, Ball, Press in, 1/4
		1 2 3 4 5

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
IA-175	1	Washer, Plain, Felt Retaining
8X-61	1	Screw, Bearing Retaining, Flat hd., #10-32x7/16
X-63	3	Screw, Cover Holding, Flat hd., #8-32x3/8
X-293	1	Bearing, Ball, S.A.E. #201

Armature Assembly & Parts Used With

GAS-2076	1	Armature Assy.
GAS-53	1	Snap Ring, D.E.
IA-158	1	Snap Ring, C.E.
*	1	Pulley, Drive
X-160	1	Nut, Armature Shaft, Hex., 7/16-20
X-1278	1	Washer, Skpf., Arm. Shaft, 7/16
X-1460	1	Key, Woodruff, #212

Drive End Head Assembly & Parts Used With

GAS-1075E	1	Head Assy., Drive End
DB-13	1	Retainer, Felt Washer, Flat
GAS-73	1	Retainer, Felt Washer, Cupped
GAS-74	1	Retainer, Bearing
GAS-75B	1	Head
IGP-34	1	Wick, Felt
SC-127	1	Washer, Felt
8X-55	3	Screw, Retainer, Rd. hd., #8-32x3/8
X-195	3	Washer, Lock, Retainer Sc., #8
X-294	1	Bearing, Ball, S.A E. #202
X-489	1	Oiler, Hinge Top, Press in, 1/4

Miscellaneous Parts

GAS-1171	1	Band, Cover
TC-4305A	1	Regulator
X-118	1	Screw, Head Band, Fil. hd., #10-32x3/4
X-196	4	Washer, Lock, Regulator Mtg., #10
8X-321	4	Screw, Mtg., Regulator, Rd. hd., #10-32x5/16
		1 2 3 4 5

(Issued 3-11-44)

Assembly No.	Pulley, Drive
GAS-4143	None
GAS-4143A	SP-90

‡ Brush Set, Service, GEM-2012S.

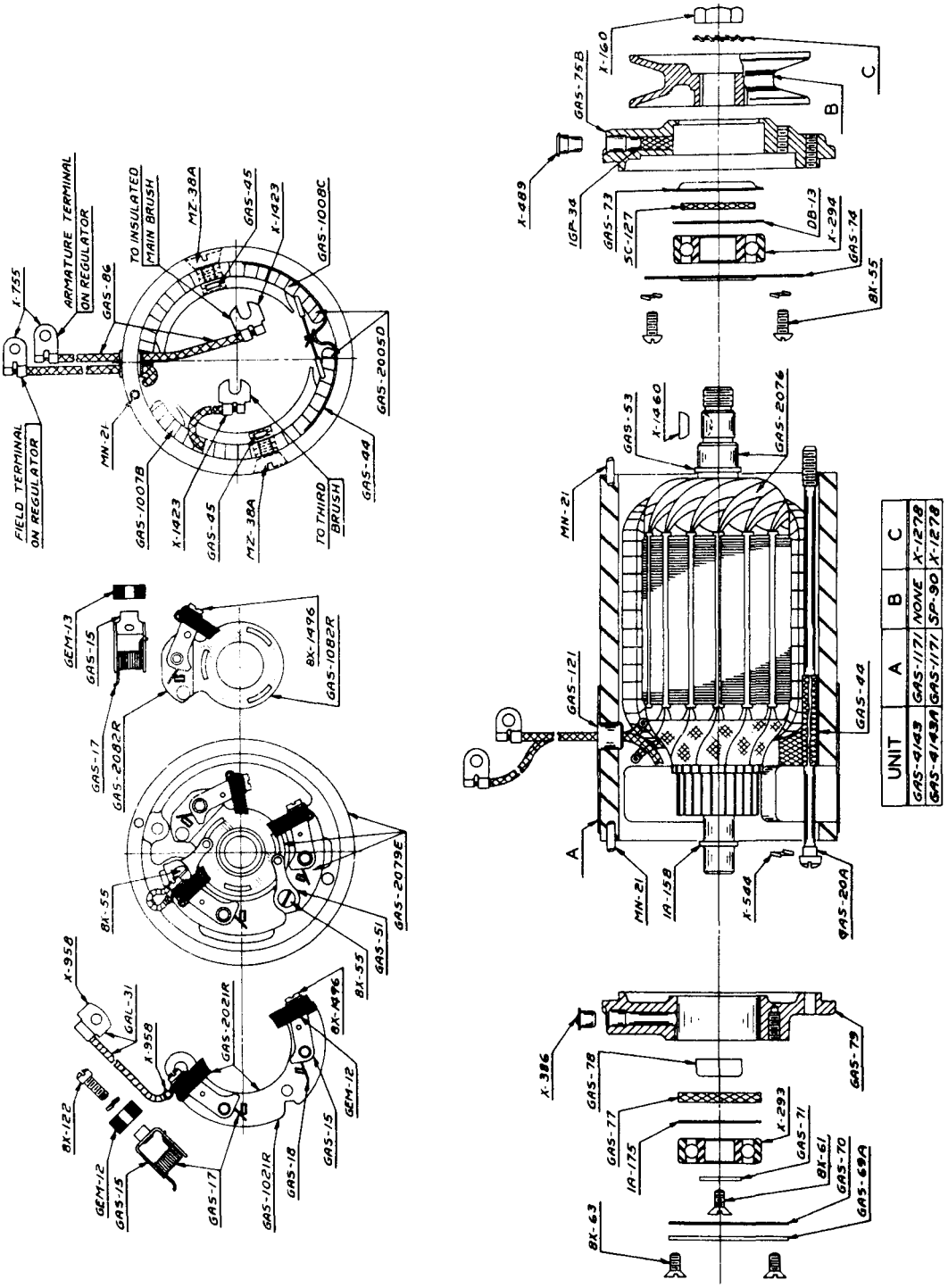
* See table following parts list for part number applying to assembly wanted.

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

File in Equipment & Parts List Binder

GAS-4143,A GENERATOR ILLUSTRATION



UNIT	A	B	C
GAS-4143	GAS-1171	NONE	X-1278
GAS-4143A	GAS-1171	SP-90	X-1278

Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-20	2	Frame Screw
(GAS-2138)	1	Frame & Field Assembly
GAS-29	2	Pole Piece
GAS-44	1	Field Connection Ins.
GAS-45	4	Field Coil Holder
GAS-86	1	C. B. Lead Assembly
X-1423	1	Terminal
GAS-2005A	1	FIELD COIL ASSY.- Comp.
GAS-1007B	1	Field Coil Assy.-Left
X-1423	1	Terminal
GAS-1008A	1	Field Coil Assy.-Right
X-959	1	Terminal
GT-7	1	Insulating Tube
MN-21	2	Dowel Pin
MZ-38	2	Pole Piece Screw
X-140	1	#6-32 Hex. Nut
X-755	1	Terminal
X-1275	1	#8 Skpf. Washer
X-1350	1	#6-32x7/16 Flat Hd. Sc.
X-544	2	#10 Lock Washer

Comm. End Plate Assy. & Parts Used With

GAS-69	1	Comm. End Cap Cover
GAS-70	1	End Cap Cover Gasket
GAS-71	1	Bearing Retaining Washer
GAS-77	1	Felt Washer
GAS-78	1	Felt Washer Retainer
(GAS-2147)	1	Comm. End Plate Assembly
GAS-51	2	3rd Brush Plate Retaining Spring
GAS-147	1	Comm. End Plate
GAS-2021R	1	Brush Holder Plate Assy.
GAL-31	1	Ground Connector Assy.
X-958	2	Terminal
GAS-12‡	2	Brush - Main
GAS-15	2	Brush Holder
GAS-17	1	Brush Spring
GAS-18	1	Brush Spring
GAS-1021R	1	Br. Holder Plate Part Assembly
8X-122	2	#8-32x1/2 Fill. Hd. Sc.
X-1275	2	#8 Skpf. Washer
GAS-2082R	1	3rd Brush Holder Plate Assembly
GAS-13‡	1	Brush - Third
GAS-15	1	Brush Holder
GAS-17	1	Brush Spring
GAS-1082R	1	3rd Brush Holder Plate Part Assembly
8X-878	1	#8-32x7/16 Fill.Hd. Sc.
X-1275	1	#8 Skpf. Washer
8X-55	3	#8-32x3/8 Rd. Hd. Screw
X-195	1	#8 Lock Washer
X-489	1	1/4 Oiler - Press in Type
IA-175	1	Flat Steel Washer
8X-61	1	#10-32x7/16 Flat Hd. Screw
X-63	3	#8-32x3/8 Flat Hd. Screw
X-293	1	BALL BEARING - S.A.E. #201
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-2111	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
IA-158	1	Snap Ring
GJ-179	1	7/16 Plain Washer
SP-363	1	Drive Pulley
X-160	1	7/16-20 Hex. Nut
X-205	1	7/16 Lock Washer
X-260	1	#5 Woodruff Key

Drive End Head Assy. & Parts Used With

GAS-1146	1	Drive End Head Assembly
GAS-103	1	Cupped Felt Guard
GAS-104	1	Bearing Retainer
GAS-146	1	Drive End Head
GG-164	1	Felt Washer
GT-76	1	Felt Washer Retainer
8X-55	3	#8-32x3/8 Rd. Hd. Sc.
X-195	3	#8 Lock Washer
X-295	1	BALL BRG. - S.A.E. #203
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

CB-4014	1	CIRCUIT BREAKER ASSEMBLY
CB-123	1	Armature Spring
CB-160S	1	C. B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Screw
GAS-87	2	C. B. Spacer
GAS-1024A	1	Head Band Assembly
X-196	2	#10 Lock Washer
8X-311	2	#10-32x3/8 Rd. Hd. Screw
X-714	1	#10-32x1 1/2 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

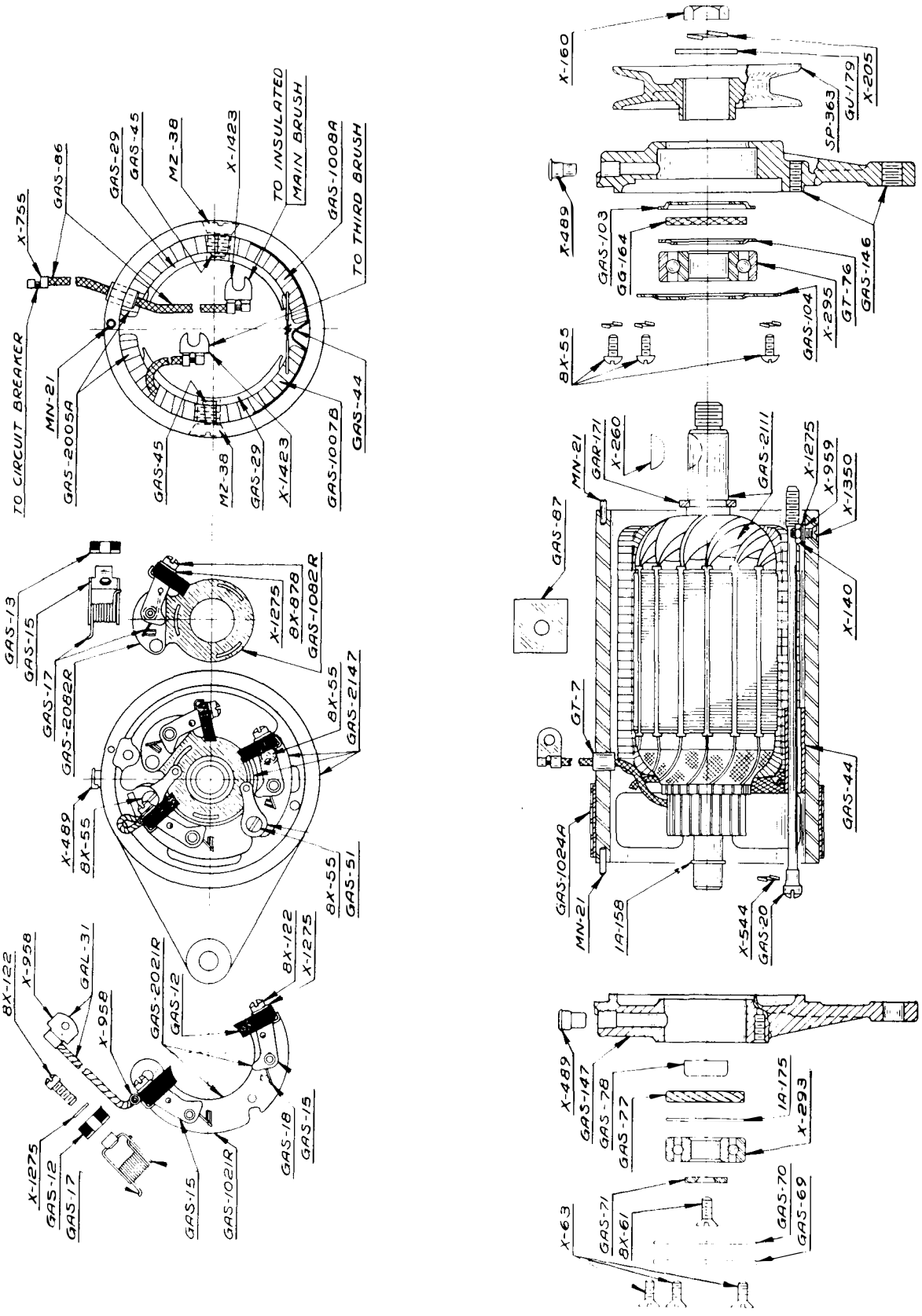
(Issued 5-2-40)

‡ Service BRUSH SET GAS-2012.

UNIT	APPLICATION
GAS-4144	S. H. Arnolt

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GAS-4144 GENERATOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GAS-4145 GENERATOR PARTS LIST GAS-4145

PRELIMINARY

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
	1 2 3 4 5	
GAS-20	2	Frame Screw
(GAS-2187)	1	Frame & Field Assembly
GAS-29	2	Pole Piece
GAS-44	1	Field Connection Ins.
GAS-45	4	Field Coil Holder
GAS-121	1	Insulating Bushing
GAS-181	1	C. B. Lead Assembly
X-1423	1	Terminal
GAS-1005A	1	FIELD COIL ASSY.- Comp.
GAS-1007B	1	Field Coil Assy.-Left
X-1423	1	Terminal
GAS-1008D	1	Field Coil - Right
MN-21	2	Dowel Pin
MZ-38	2	Pole Piece Screw
X-755	2	Terminal
X-544	2	#10 Lock Washer

Comm. End Plate Assembly & Parts Used With

GAS-69	1	Comm. End Cap Cover
GAS-70	1	End Cap Cover Gasket
GAS-71	1	Bearing Retaining Washer
GAS-77	1	Felt Washer
GAS-78	1	Felt Washer Retainer
(GAS-2147)	1	Comm. End Plate Assembly
GAS-51	2	3rd Brush Plate Retaining Spring
GAS-147	1	Comm. End Plate
GAS-2021R	1	Brush Holder Plate Assy.
GAL-31	1	Ground Connector Assy.
X-958	2	Terminal
GAS-13†	2	Brush - Main
GAS-15	2	Brush Holder
GAS-17	1	Brush Spring
GAS-18	1	Brush Spring
GAS-1021R	1	Brush Holder Plate Part Assembly
8X-122	2	#8-32x1/2 Fill. Hd. Sc.
X-1275	2	#8 Skpf. Washer
GAS-2082R	1	3rd Brush Holder Plate Assembly
GAS-13†	1	Brush - Third
GAS-15	1	Brush Holder
GAS-17	1	Brush Spring
GAS-1082R	1	3rd Brush Holder Plate Part Assembly
8X-878	1	#8-32x7/16 Fill. Hd.Sc.
X-1275	1	#8 Skpf. Washer
8X-55	3	#8-32x3/8 Rd. Hd. Screw
X-195	1	#8 Lock Washer
X-489	1	1/4 Oiler - Press in Type
IA-175	1	Flat Steel Washer
8X-61	1	#10-32x7/16 Flat Hd. Screw
X-63	3	#8-32x3/8 Flat Hd. Screw
X-293	1	BALL BEARING - S.A.E. #201
	1 2 3 4 5	

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
	1 2 3 4 5	
GAS-2111	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
IA-158	1	Snap Ring
GJ-179	1	7/16 Plain Washer
X-160	1	7/16-20 Hex. Nut
X-205	1	7/16 Lock Washer
X-260	1	#5 Woodruff Key

Drive End Head Assembly & Parts Used With

GAS-1146	1	Drive End Head Assembly
GAS-103	1	Cupped Felt Guard
GAS-104	1	Bearing Retainer
GAS-146	1	Drive End Head
GG-164	1	Felt Washer
GT-76	1	Felt Washer Retainer
8X-55	3	#8-32x3/8 Rd. Hd. Sc.
X-195	3	#8 Lock Washer
X-295	1	BALL BRG. - S.A.E. #203
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

GAS-168	2	T. C. Regulator Spacer
GAS-1024A	1	Head Band Assembly
TC-4302A	1	TWO CHARGE REGULATOR
X-196	4	#10 Lock Washer
8X-311	4	#10-32x3/8 Rd. Hd. Screw
X-714	1	#10-32x1 1/2 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
	1 2 3 4 5	

(Issued 5-16-41)

† SERVICE BRUSH SET GAS-2012.

UNIT	APPLICATION
GAS-4145	Novo Engine

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-20	2	Frame Screw
(GAS-2190)	1	Frame & Field Assembly
GAS-29	2	Pole Piece
GAS-44	1	Field Connection Ins.
GAS-45	4	Field Coil Holder
GAS-121	1	Insulating Bushing
GAS-181	1	C. B. Lead Assembly
X-1423	1	Terminal
GAS-2005F	1	FIELD COIL ASSY.- Comp.
GAS-1007B	1	Field Coil Assy.-Left
X-1423	1	Terminal
GAS-1008E	1	Field Coil Assy.-Right
MN-21	2	Dowel Pin
MZ-38	2	Pole Piece Screw
X-755	2	Terminal
X-544	2	#10 Lock Washer

Comm. End Plate Assembly & Parts Used With

GAS-69	1	Comm. End Cap Cover
GAS-70	1	End Cap Cover Gasket
GAS-71	1	Bearing Retaining Washer
GAS-77	1	Felt Washer
GAS-78	1	Felt Washer Retainer
(GAS-2147A)	1	Comm. End Plate Assembly
GAS-51	2	3rd Br. Plate Retaining Spring
GAS-147	1	Comm. End Plate
GAS-2021R	1	Brush Holder Plate Assy.
GAL-31	1	Ground Connector Assy.
X-958	2	Terminal
GAS-12†	2	Brush - Main
GAS-15	2	Brush Holder
GAS-17	1	Brush Spring
GAS-18	1	Brush Spring
GAS-1021R	1	Brush Holder Plate Part Assembly
8X-122	2	#8-32x1/2 Fill. Hd. Sc.
X-1275	2	#8 Skpf. Washer
GAS-2082RA	1	3rd Brush Holder Plate Assembly
GAS-13†	1	Brush - Third
GAS-15	1	Brush Holder
GAS-17	1	Brush Spring
GAS-1082RA	1	3rd Br. Holder Plate Part Assembly
8X-878	1	#8-32x7/16 Fill. Hd. Screw
X-1275	1	#8 Skpf. Washer
8X-55	3	#8-32x3/8 Rd. Hd. Screw
X-195	1	#8 Lock Washer
X-489	1	1/4 Oiler - Press in Type
IA-175	1	Flat Steel Washer
8X-61	1	#10-32x7/16 Flat Hd. Screw
X-63	3	#8-32x3/8 Flat Hd. Screw
X-293	1	BALL BEARING- S.A.E. #201
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-2111	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
IA-158	1	Snap Ring
GJ-179	1	7/16 Plain Washer
X-160	1	7/16-20 Hex. Nut
X-205	1	7/16 Lock Washer
X-260	1	#5 Woodruff Key

Drive End Head Assembly & Parts Used With

GAS-1146A	1	Drive End Head Assembly
GAS-103	1	Cupped Felt Guard
GAS-104	1	Bearing Retainer
GAS-146A	1	Drive End Head
GG-164	1	Felt Washer
GT-76	1	Felt Washer Retainer
8X-55	3	#8-32x3/8 Rd. Hd. Screw
X-195	3	#8 Lock Washer
X-295	1	BALL BEARING - S.A.E. #203
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

GAS-168	2	T. C. Regulator Spacer
GAS-1024A	1	Head Band Assembly
TC-4302A	1	TWO CHARGE REGULATOR
X-196	4	#10 Lock Washer
8X-311	4	#10-32x3/8 Rd. Hd. Screw
X-714	1	#10-32x1 1/2 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 4-17-41)

† SERVICE BRUSH SET GAS-2012.

UNIT	APPLICATION
GAS-4148	Fairmont Rwy.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-20	2	Frame Screw
(GAS-3190)	1	Frame & Field Assembly
GAS-29	2	Pole Piece
GAS-44	1	Field Connection Ins.
GAS-45	4	Field Coil Holder
GAS-121	1	Insulating Bushing
GAS-181	1	C. B. Lead Assembly
X-1423	1	Terminal
GAS-2005E	1	FIELD COIL ASSY.- Comp.
GAS-1007A	1	Field Coil Assy.-Left
X-1424	1	Terminal
GAS-1008E	1	Field Coil Assy.-Right
MN-21	2	Dowel Pin
MZ-38	2	Pole Piece Screw
X-755	2	Terminal
X-544	2	#10 Lock Washer

Comm. End Plate Assembly & Parts Used With

GAS-69	1	Comm. End Cap Cover
GAS-70	1	End Cap Cover Gasket
GAS-71	1	Bearing Retaining Washer
GAS-77	1	Felt Washer
GAS-78	1	Felt Washer Retainer
(GAS-3186)	1	Comm. End Plate Assembly
GAS-51	2	3rd Brush Plate Retaining Spring
GAS-186	1	Comm. End Plate
GAS-2021L	1	Brush Holder Plate Assy.
GAL-31	1	Ground Connector Assy.
X-958	2	Terminal
GAS-12†	2	Brush - Main
GAS-15	2	Brush Holder
GAS-17	1	Brush Spring
GAS-18	1	Brush Spring
GAS-1021L	1	Br. Holder Plate Part Assembly
8X-122	2	#8-32x1/2 Fill. Hd. Sc.
X-1275	2	#8 Skpf. Washer
GAS-2072LA	1	3rd Brush Holder Plate Assembly
GAS-13†	1	Brush - Third
GAS-15	1	Brush Holder
GAS-18	1	Brush Spring
GAS-1072LA	1	3rd Brush Holder Plate Part Assembly
8X-878	1	#8-32x7/16 Fill. Hd. Screw
X-1275	1	#8 Skpf. Washer
8X-55	3	#8-32x3/8 Rd. Hd. Screw
X-195	1	#8 Lock Washer
X-489	1	1/4 Oiler - Press in Type
IA-175	1	Flat Steel Washer
8X-61	1	#10-32x7/16 Flat Hd. Screw
X-63	3	#8-32x3/8 Flat Hd. Screw
X-293	1	BALL BEARING - S.A.E. #201
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-3111	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
IA-158	1	Snap Ring
GJ-179	1	7/16 Plain Washer
X-160	1	7/16-20 Hex. Nut
X-205	1	7/16 Lock Washer
X-260	1	#5 Woodruff Key

Drive End Head Assembly & Parts Used With

GAS-1146A	1	Drive End Head Assembly
GAS-103	1	Cupped Felt Guard
GAS-104	1	Bearing Retainer
GAS-146A	1	Drive End Head
GG-164	1	Felt Washer
GT-76	1	Felt Washer Retainer
8X-55	3	#8-32x3/8 Rd. Hd. Screw
X-195	3	#8 Lock Washer
X-295	1	BALL BEARING- S.A.E. #203
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

GAS-168	2	T. C. Regulator Spacer
GAS-1024A	1	Head Band Assembly
TC-4302A	1	TWO CHARGE REGULATOR
X-196	4	#10 Lock Washer
8X-311	4	#10-32x3/8 Rd. Hd. Screw
X-714	1	#10-32x1 1/2 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 4-17-41)

† SERVICE BRUSH SET GAS-2012.

UNIT	APPLICATION
GAS-4149	Fairmont Rwy.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GAS-20A	2	Bolt, Thru
(GAS-3192)	1	Frame & Field Assy.
GAS-40	1	Washer, Ins., Term. Stud, Inner
GAS-41	1	Bushing, Ins., Term. Stud
GAS-44	1	Insulation, Field Connection
GAS-45	4	Holder, Field Coil
GAS-47	1	Lead Assembly
GBF-36	1	Stud, Term., #10-32
X-1423	1	Terminal
GAS-2005	1	Coil Assy., Field Complete
GAS-1007A	1	Coil Assy., Field, Left
X-1424	1	Terminal
GAS-1008A	1	Coil Assy., Field, Right
X-959	1	Terminal
GBF-55	1	Washer, Ins., Term. Stud, Outer
MN-21	2	Pin, Dowel
MZ-38A	2	Screw, Pole Shoe
X-140	1	Nut, Field Grd. Sc., Hex. #6-32
X-1274	2	Washer, Term. Stud, Skpf. #10
X-1275	1	Washer, Field Grd. Sc., #8
8X-1350	1	Screw, Field Grd., Flat Hd. #6-32x7/16
8X-1377	1	Nut, Term. Stud, Hex. #10-32
12X-196	3	Lockwasher, Thru Bolt & Term. Stud, #10
8X-1377	1	Nut, Term. Stud, Hex. #10-32

Comm. End Head Assembly & Parts Used With

GAS-69A	1	Cover, Comm. End
GAS-70	1	Gasket, Cover
GAS-71	1	Washer, Brg. Retaining
GAS-77	1	Washer, Felt
GAS-78	1	Retainer, Felt Washer
GAS-3191	1	Head Assy., Comm. End
GAS-51	2	Spring, Retaining, 3rd Brush Plate
GAS-191	1	Head, Comm. End
GAS-2021L	1	Plate Assy., Main Brush

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
GAL-31	1	Lead Assy., Ground
X-958	2	Terminal
GAS-15	2	Holder, Brush
GAS-17	1	Spring, Brush, Insulated
GAS-18	1	Spring, Brush, Grounded
GAS-1021L	1	Plate, Main Brush
GEM-12†	2	Brush
8X-122	2	Screw, Brush Holder, Fill. Hd. #8-32x1/2
X-195	2	Lockwasher, Holder Sc., #8
GAS-2072LA	1	Plate Assy., 3rd Brush
GAS-15	1	Holder, Brush
GAS-18	1	Spring, Brush
GAS-1072LA	1	Plate, 3rd Brush
GEM-13†	1	Brush
X-195	1	Lockwasher, Holder Sc., #8
8X-878	1	Screw, Br. Holder, Fill. Hd. #8-32x7/16
8X-55	3	Screw, Rd. Hd. #8-32x3/8
X-195	1	Lockwasher, #8
X-489	1	Oiler
IA-175	1	Washer, Plain
8X-61	1	Screw, Brg. Retaining, Flat Hd. #10-32x7/16
8X-63	3	Screw, C.E. Cover, Flat Hd. #8-32x3/8
X-293	1	Bearing, Ball, S.A.E. #201

Armature Assembly & Parts Used With

GAS-3076	1	Armature Assembly
GAS-53	1	Snap Ring, D.E.
IA-158	1	Snap Ring, C.E.
8X-160	1	Nut, Arm. Shaft, D.E.
X-1278	1	Washer, Shaft, D.E. Skpf. 7/16
X-1460A	1	Key, Woodruff, #212

Drive End Head Assy. & Parts Used With

GAS-1193	1	Head Assy., Drive End
DB-13	1	Retainer, Felt Washer, Flat
GAS-73	1	Retainer, Felt Washer, Cupped

(Continued on Reverse Side)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Drive End Head Assy. (Continued)

Part No.	No. Used	Name of Part
GAS-74	1	Retainer, Bearing
GAS-193	1	Head, Drive End
IGP-34	1	Wick, Felt
SC-127	1	Washer, Felt
8X-55	3	Screw, Brg. Retainer, Rd. Hd. #8-32x3/8
X-195	3	Lockwasher, Retainer Sc., #8
X-294	1	Bearing, Ball, S.A.E. #202
X-489	1	Oiler

Miscellaneous Parts

CB-4014	1	Relay Assy., Cutout
CB-123	1	Spring, Armature
CB-160S	1	Cover, Relay
PX-55	1	Screw, Arm. Term., Bdg. Hd. #10-32x3/16
12X-196	2	Lockwasher, Term. Sc., #10
8X-312	1	Screw, Bat. Term., Rd. Hd. #10-32x1/4
DG-107	1	Lead Assembly
GAS-87A	2	Spacer, Relay Mtg.
GAS-1024E	1	Band, Cover
12X-196	2	Lockwasher, Mtg. Sc., #10
8X-311	2	Screw, Relay Mtg., Rd. Hd. #10-32x3/8
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† Brush Set, Service GEM-2012S.

UNIT	APPLICATION
GAS-4150-1	Indian Motocycle
GAS-4150-1P	Falcon (Marine)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GAS-20A	2	Bolt, Thru
(GAS-2091A)	1	Frame & Field Assy.
GAS-44	1	Insulation, Field Connection
GAS-45	4	Holder, Field Coil
GAS-86	1	Lead Assy.
X-1423	1	Terminal
GAS-2005A	1	Coil Assy., Field, Comp.
GAS-1007B	1	Coil Assy., Field, Left
X-1423	1	Terminal
GAS-1008A	1	Coil Assy., Field, Right
X-959	1	Terminal
GT-7	1	Bushing, Lead Insulation
MN-21	2	Pin, Dowel
MZ-38A	2	Screw, Pole Shoe
X-140	1	Nut, Field Ground, Hex., #6-32
X-755	1	Terminal
X-1275	1	Washer, Field Ground, Skpf., #8
8X-1350	1	Screw, Field Ground, Flat Hd. #6-32x7/16
12X-544	2	Lockwsher, Thru Bolt, #10

Comm. End Head Assembly & Parts Used With

GAS-69A	1	Cover, Comm. End
GAS-70	1	Gasket, C.E. Cover
GAS-71	1	Washer, Bearing Retaining
GAS-77	1	Washer, Felt, C.E., Inner
GAS-78	1	Retainer, Felt Washer
GAS-2079F	1	Head Assy., Comm. End
GAS-51	2	Spring, Retaining, 3rd. Brush Plate
GAS-79B	1	Head
GAS-2021R	1	Plate Assy., Main Brush
GAL-31	1	Lead Assy., Ground
X-958	2	Terminal
GAS-15	2	Holder, Brush
GAS-17	1	Spring, Brush, Grounded
GAS-18	1	Spring, Brush, Insulated
GAS-1021R	1	Plate, Main Brush
GEM-12 †	2	Brush, Main
8X-122	1	Screw, Grounded Brush, Fill. Hd. #8-32x1/2
X-195	2	Lockwasher, Brush Sc., #8
8X-1496	1	Screw, Ins. Brush, Bdg. Hd. #8-32x7/16
GAS-2082RA	1	Plate Assy., 3rd Brush
GAS-15	1	Holder, Brush
GAS-17	1	Spring, Brush
GAS-1082RA	1	Plate, 3rd Brush

Comm. End Head Assy. Continued

Part No.	No. Used	Name of Part
GEM-13 †	1	Brush
8X-878	1	Screw, Brush, Fill. Hd., #8-32x7/16
X-195	1	Lockwasher, Brush Sc., #8
8X-55	3	Screw, Plate, Rd. Hd., #8-32x3/8
X-195	1	Lockwasher, Plate Sc., #8
X-489	1	Oiler, Press in Type, 1/4
IA-175	1	Washer, Plain
8X-61	1	Screw, Bearing Retaining, Flat Hd., #10-32x7/16
8X-63	3	Screw, Cover, Flat Hd. #8-32x3/8
X-293	1	Bearing, Ball, S.A.E. #201

Armature Assembly & Parts Used With

GAS-2076	1	Armature Assembly
GAS-53	1	Snap Ring, D.E.
IA-158	1	Snap Ring, C.E.
*	1	Pulley, Drive
8X-160	1	Nut, Shaft, Hex. 7/16-20
X-1460A	1	Key, Woodruff, #212
X-1624	1	Washer, Shaft, Skpf. 7/16

Drive End Head Assembly & Parts Used With

GAS-1075E	1	Head Assy., Drive End
DB-13	1	Retainer, Felt Washer, Flat
GAS-73	1	Retainer, Felt Washer, Cupped
GAS-74	1	Retainer, Bearing
GAS-75B	1	Head
IGP-34	1	Wick, Felt
SC-127	1	Washer, Felt
8X-55	3	Screw, Retainer, Rd. Hd. #8-32x3/8
X-195	3	Lockwasher, Retainer Sc., #8
X-294	1	Bearing, Ball, S.A.E. #202
X-489	1	Oiler, Press in Type, 1/4

Miscellaneous Parts

CB-4014	1	Relay Assy., Cutout
CB-123	1	Spring, Armature
CB-160S	1	Cover
PX-55	1	Screw, Arm. Term., Bdg. Hd. #10-32x3/16
12X-196	2	Lockwasher, Term. Sc., #10
8X-312	1	Screw, Bat. Term., Rd. Hd. #10-32x1/4
GAS-87A	2	Spacer, C.R. Mounting
GAS-1024F	1	Band, Cover

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Miscellaneous Parts (Continued)

Part No.	No. Used	Name of Part
12X-196	2	Lockwasher, Relay Mtg. Sc., #10
8X-311	2	Screw, Relay Mtg., Rd. Hd. #10-32x3/8
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

* See table following parts list for part number applying to assembly wanted.

NOTE: - Part numbers shown in parenthesis are not recommended for service.

† Brush Set, Service GEM-2012S.

Assembly No.	Pulley
GAS-4151-1	None
GAS-4151A-1	SP-864

UNIT	APPLICATION
GAS-4151-1,A-1	Indian Motocycle

(Issued 7-12-48)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-20A	2	Frame Screw
(GAS-3085A)	1	Frame & Field Assembly
GAS-29	2	Pole Piece
GAS-44	1	Field Connection Ins.
GAS-45	4	Field Coil Holder
GAS-86	1	C. B. Lead Assembly
X-1423	1	Terminal
GAS-2005	1	FIELD COIL ASSY.- COMP.
GAS-1007A	1	Field Coil Assy.-Left
X-1424	1	Terminal
GAS-100 A	1	Field Coil Assy.-Right
X-959	1	Terminal
GT-7	1	Insulating Tube
MN-21	2	Dowel Pin
MZ-38A	2	Pole Piece Screw
X-140	1	#6-32 Hex. Nut
X-755	1	Terminal
X-1275	1	#8 Skpf. Washer
8X-1350	1	#6-32x7/16 Flat Hd. Sc.
X-544	2	#10 Lock Washer

Comm. End Plate Assy. & Parts Used With

GAS-52A	1	Grease Hole Cover
(GAS-3197)	1	Comm. End Plate Assembly
GAS-51	2	3rd Br. Plate Retg. Spr.
GAS-1197	1	C.E. Plate Part Assembly
GAS-49	1	ABSORHENT BRONZE BRG.
GAS-2014L	1	3rd Brush Hldr. Plate Assy
GAS-13‡	1	Brush - Third
GAS-15	1	Brush Holder
GAS-18	1	Brush Spring
GAS-1014L	1	3rd Br. Holder Plate Part Assembly
8X-878	1	#8-32x7/16 Fill. Hd.Sc.
X-1275	1	#8 Skpf. Washer
GAS-2021L	1	Brush Hldr. Plate Assy.
GAL-31	1	Ground Connector Assy.
X-958	2	Terminal
GAS-12‡	2	Brush - Main
GAS-15	2	Brush Holder
GAS-17	1	Brush Spring
GAS-18	1	Brush Spring
GAS-1021L	1	Br. Holder Plate Part Assembly
8X-122	2	#8-32x1/2 Fill.Hd.Sc.
X-1275	2	#8 Skpf. Washer
8X-55	3	#8-32x3/8 Rd. Hd. Screw
X-195	1	#8 Lock Washer

Armature Assembly & Parts Used With

GAS-3114	1	ARMATURE ASSEMBLY
GAS-53	1	Snap Ring
8X-160	1	7/16-20 Hex. Nut
X-1278	1	7/16 Skpf. Washer
X-1460	1	#212 Woodruff Key
		1 2 3 4 5

Drive End Head Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-1075D	1	Drive End Head Assembly
DB-13	1	Flat Felt Guard
GAS-73	1	Cupped Felt Guard
GAS-74	1	Bearing Retainer
GAS-75B	1	Drive End Head
IGP-34	1	Felt Wick
SC-127	1	Felt Washer
8X-55	3	#8-32x3/8 Rd. Hd. Sc.
X-195	3	#8 Lock Washer
X-294	1	BALL BRG. - S.A.E. #202
X-489	1	1/4 Oiler - Press in Type

Distributor Mtg. Hsg. & Parts Used With

GAG-58A	1	Dist. Mounting Housing Clamp
GAL-98B	1	Distributor Mounting Housing
GW-19A	1	Bearing Cover
IG-86	1	Dist. Drive Rivet
IG-591	1	Dist. Gear - Driver
8X-53	1	#8-32x5/8 Rd. Hd. Screw
8X-141	1	#8-32 Hex. Nut
8X-505	1	1/8 Pipe Plug
X-544	3	#10 Lock Washer
8X-900	3	#10-32x7/8 Fill. Hd. Screw

Miscellaneous Parts

CB-4014	1	CIRCUIT BREAKER ASSEMBLY
CB-123	1	Armature Spring
CB-160S	1	C. B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Screw
GAS-87A	1	C. B. Spacer
GAS-1024F	1	Head Band Assembly
X-196	2	#10 Lock Washer
X-311	2	#10-32x3/8 Rd. Hd. Screw
8X-714	1	#10-32x1 1/2 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

‡ Service BRUSH SET GAS-2012.

UNIT	APPLICATION
GAS-4152	Indian Motocycle

(Issued 12-7-39)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GAS-4152 GENERATOR ILLUSTRATION

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GAS-20A	2	Bolt, Thru
(GAS-2205)	1	Frame & Field Assy.
GAS-44	1	Insulation, Field Connection
GAS-45	4	Holder, Field Coil
GAS-86	1	Lead Assembly
X-1423	1	Terminal
GAS-2005A	1	COIL ASSY., FIELD, COMPLETE
GAS-1007B	1	Coil Assy., Field, Left
X-1423	1	Terminal
GAS-1008A	1	Coil Assy., Field, Right
X-959	1	Terminal
GT-7	1	Bushing, Insulating
MN-21	2	Pin, Dowel
MZ-38A	2	Screw, Pole Shoe
X-140	1	Nut, Field Grd. Sc., Hex. #6-32
X-755	1	Terminal
X-1275	1	Washer, Field Grd. Sc., Skpf. #8
X-1350	1	Screw, Field Grd., Flat Hd. #6-32x7/16
X-196	2	Lockwasher, Thru Bolt, #10

Comm. End Head Assembly & Parts Used With

GAS-69A	1	Cover, Comm. End
GAS-70	1	Gasket, C.E. Cover
GAS-71	1	Washer, Bearing Retaining Sc.
GAS-77	1	Washer, Felt
GAS-78	1	Retainer, Felt Washer
GAS-2079	1	Head Assy., Comm. End
GAS-51	2	Spring, Retaining, 3rd Brush Plate
GAS-79B	1	Head, Comm. End
GAS-2021R	1	Plate Assy., Main Brush
GAL-31	1	Lead Assy., Ground
X-958	2	Terminal
GAS-15	2	Holder, Brush
GAS-17	1	Spring, Brush, Grounded
GAS-18	1	Spring, Brush, Insulated
GAS-1021R	1	Plate, Main Brush
GEM-12†	2	Brush, Main
8X-122	1	Screw, Grounded Brush, Fill. Hd. #8-32x1/2
X-195	2	Lockwasher, Brush Screw, #8
8X-1496	1	Screw, Ins., Brush, Bdg. Hd. #8-32x7/16
GAS-2082R	1	Plate Assy., 3rd. Brush
GAS-15	1	Holder, Brush
GAS-17	1	Spring, Brush

Comm. End Head Assy. (Continued)

Part No.	No. Used	Name of Part
GAS-1082R	1	Plate, 3rd. Brush
GEM-13 †	1	Brush, Third
X-195	1	Lockwasher, Brush Sc., #8
8X-1496	1	Screw, Brush, Bdg. Hd. #8-32x7/16
8X-55	3	Screw, Plate Attaching, Rd. Hd #8-32x3/8
X-195	1	Lockwasher, Plate Sc., #8
X-489	1	Oiler
IA-175	1	Washer, Plain
8X-61	1	Screw, Brg. Retaining, Flat Hd. #10-32x7/16
X-63	3	Screw, Cover, Flat Hd. #8-32x3/8
X-293	1	BEARING, BALL, S.A.E. #201

Armature Assembly & Parts Used With

GAS-2076	1	ARMATURE ASSY.
GAS-53	1	Snap Ring, D.E.
IA-158	1	Snap Ring, C.E.
X-160	1	Nut, Shaft, D.E. Hex. 7/16-20
X-1278	1	Washer, Shaft, D.E., Skpf. 7/16
X-1460A	1	Key, Woodruff, #212

Drive End Head Assembly & Parts Used With

GAS-1075E	1	Head Assy., Drive End
DB-13	1	Retainer, Felt Washer, Flat
GAS-73	1	Retainer, Felt Washer, Cupped
GAS-74	1	Retainer, Bearing
GAS-75B	1	Head, Drive End
IGP-34	1	Wick, Felt
SC-127	1	Washer, Felt
8X-55	3	Screw, Retainer, Rd. Hd. #8-32x3/8
X-195	3	Lockwasher, Retainer Sc., #8
X-294	1	BEARING, BALL, S.A.E. #202
X-489	1	Oiler

(Continued on Reverse Side)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GAS-4153 GENERATOR PARTS (Continued)

Miscellaneous Parts

Part No.	No. Used	Name of Part
CB-4014	1	RELAY ASSY., CUTOUT
CB-123	1	Spring, Armature
CB-160S	1	Cover, Relay
PX-55	1	Screw, Arm. Term., Bdg. Hd. #10-32x3/16
12X-196	2	Lockwasher, Term. Sc., #10
8X-312	1	Screw, Bat. Term., Rd. Hd. #10-32x1/4
GAS-87	2	Spacer, Relay Mtg. Sc., #10
GAS-1024F	1	Band, Cover
X-196	2	Lockwasher, Relay Mtg. Sc., #10
8X-311	2	Screw, Relay Mtg., Rd. Hd. #10-32x3/8
X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GEM-2012S.

UNIT	APPLICATION
GAS-4153	Hercules

(Issued 11-10-49)

Printed in U. S. A.

File in
Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GAS-20A	2	Bolt, Thru
(GAS-2206)	1	Frame & Field Assy.
GAS-40	2	Washer, Ins., Term. Stud, Inner
GAS-41	2	Bushing, Ins., Term. Stud
GAS-44	1	Insulation, Field Connection
GAS-45	4	Holder, Field Coil
GAS-81	1	Lead Assembly
GBF-36	1	Stud, Terminal, #10-32
X-1423	1	Terminal
GAS-2005H	1	COIL ASSY., FIELD, COMPLETE
GAS-1007B	1	Coil Assy., Field, Left
X-1423	1	Terminal
GAS-1008G	1	Coil, Field, Right
GBF-36	1	Stud, Terminal, #10-32
GBF-55	2	Washer, Ins., Term. Stud, Outer
MN-21	2	Pin, Dowel
MZ-38A	2	Screw, Pole Shoe
X-196	2	Lockwasher, Term. Stud,#10
X-1274	4	Washer, Term. Stud, Skpf. #10
8X-1377	4	Nut, Term. Stud, Hex. #10-32
X-196	3	Lockwasher, Thru Bolt & Ground Screw, #10
8X-321	1	Screw, Ground Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

GAS-69A	1	Cover, Comm. End
GAS-70	1	Gasket, C.E. Cover
GAS-71	1	Washer, Bearing Retaining Sc.
GAS-77	1	Washer, Felt
GAS-78	1	Retainer, Felt Washer
GAS-2255	1	Head Assy., Comm. End
GAS-51	2	Spring, Retaining, 3rd. Brush Plate
GAS-255	1	Head, Comm. End
GAS-2021R	1	Plate Assy., Main Brush
GAL-31	1	Lead Assy., Ground
X-958	2	Terminal
GAS-15	2	Holder, Brush
GAS-17	1	Spring, Brush, Grounded
GAS-18	1	Spring, Brush, Insulated
GAS-1021R	1	Plate, Main Brush
GEM-12 †	2	Brush, Main
8X-122	1	Screw, Grounded Brush, Fill. Hd. #8-32x1/2
X-195	2	Lockwasher, Brush Sc., #8
8X-1496	1	Screw, Ins., Brush, Bdg. Hd. #8-32x7/16

Comm. End Head Assy. (Continued)

Part No.	No. Used	Name of Part
GAS-2082R	1	Plate Assy., 3rd Brush
GAS-15	1	Holder, Brush
GAS-17	1	Spring, Brush
GAS-1082R	1	Plate, 3rd Brush
GEM-13†	1	Brush, Third
X-195	1	Lockwasher, Brush Sc., #8
8X-1496	1	Screw, Brush, Bdg. Hd. #8-32x7/16
8X-55	3	Screw, Brush Plate Mtg., Rd. Hd. #8-32x3/8
X-195	1	Lockwasher, Plate Sc., #8
X-489	1	Oiler
IA-175	1	Washer, Plain
8X-61	1	Screw, Brg. Retaining, Flat Hd. #10-32x7/16
X-63	3	Screw, Cover, Flat Hd. #8-32x3/8
X-293	1	BEARING, BALL, S.A.E. #201

Armature Assembly & Parts Used With

GAS-2111	1	ARMATURE ASSY.
GAR-171	1	Snap Ring, D.E.
IA-158	1	Snap Ring, C.E.
GJ-179	1	Washer, Arm. Shaft, Plain, D.E.
X-160	1	Nut, Shaft, D.E., Hex. 7/16-20
X-205	1	Lockwasher, Shaft, D.E., 7/16
X-260	1	Key, Woodruff, #5

Drive End Head Assembly & Parts Used With

GAS-1254	1	Head Assy., Drive End
GAS-103	1	Retainer, Felt Washer, Cupped
GAS-104	1	Retainer, Bearing
GAS-254	1	Head
GG-164	1	Washer, Felt
GT-76	1	Retainer, Felt Washer, Flat
8X-55	3	Screw, Brg. Retainer, Rd. Hd. #8-32x3/8
X-195	3	Lockwasher, Retainer Sc., #8
X-295	1	BEARING, BALL, S.A.E. #203
X-489	1	Oiler

Miscellaneous Parts

GAS-1024A	1	Band, Cover
X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GEM-2012S.

NOTE: - TC-4317A Two Charge Regulator is used with but is not a part of this generator.

UNIT	APPLICATION
GAS-4154	Le Roi

Printed in U. S. A.

(Issued 11-10-49)

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GAS-4155 GENERATOR PARTS LIST

GAS-4155

PRELIMINARY

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part 1 2 3 4 5
GAS-20	2	Frame Screw
(GAS-2208)	1	Frame & Field Assembly
GAS-29	2	Pole Piece
GAS-44	1	Field Connection Ins.
GAS-45	4	Field Coil Holder
GAS-86	1	Lead Assembly
X-1423	1	Terminal
GAS-2005A	1	FIELD COIL ASSY.-Comp.
GAS-1007B	1	Field Coil Assy.-Left
X-1423	1	Terminal
GAS-1008A	1	Field Coil Assy.-Right
X-959	1	Terminal
GT-7	1	Insulating Bushing
MN-21	2	Dowel Pin
MZ-38	2	Pole Piece Screw
X-140	1	#6-32 Hex. Nut
X-755	1	Terminal
X-1275	1	#8 Skpf. Washer
X-1350	1	#6-32x7/16 Flat Hd. Sc.
X-544	2	#10 Lock Washer

Comm. End Plate Assembly & Parts Used With

GAS-69	1	Comm. End Cap Cover
GAS-70	1	End Cap Cover Gasket
GAS-71	1	Bearing Retaining Washer
GAS-77	1	Felt Washer
GAS-78	1	Felt Washer Retainer
(GAS-2209)	1	Comm. End Plate Assembly
GAS-51	2	3rd Br. Plate Retaining Spring
GAS-209	1	Comm. End Plate
GAS-2021R	1	Brush Holder Plate Assy.
GAL-31	1	Ground Connector Assy.
X-958	2	Terminal
GAS-12‡	2	Brush - Main
GAS-15	2	Brush Holder
GAS-17	1	Brush Spring
GAS-18	1	Brush Spring
GAS-1021R	1	Br. Holder Plate Part Assembly
8X-122	2	#8-32x1/2 Fill. Hd.Sc.
X-1275	2	#8 Skpf. Washer
GAS-2082R	1	3rd Brush Holder Plate Assembly
GAS-13‡	1	Brush - Third
GAS-15	1	Brush Holder
GAS-17	1	Brush Spring
GAS-1082R	1	3rd Br. Holder Plate Part Assembly
8X-878	1	#8-32x7/16 Fill. Hd.Sc.
X-1275	1	#8 Skpf. Washer
8X-55	3	#8-32x3/8 Rd. Hd. Screw
X-195	1	#8 Lock Washer
X-489	1	1/4 Oiler - Press in Type
IA-175	1	Flat Steel Washer
8X-61	1	#10-32x7/16 Flat Hd. Screw
X-63	3	#8-32x3/8 Flat Hd. Screw
X-293	1	BALL BEARING- S.A.E. #201 1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part 1 2 3 4 5
GAS-2111	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
IA-158	1	Snap Ring
GJ-179	1	7/16 Plain Washer
X-160	1	7/16-20 Hex. Nut
X-205	1	7/16 Lock Washer
X-260	1	#5 Woodruff Key

Drive End Head Assembly & Parts Used With

GAS-1207	1	Drive End Head Assembly
GAS-103	1	Cupped Felt Guard
GAS-104	1	Bearing Retainer
GAS-207	1	Drive End Head
GG-164	1	Felt Washer
GT-76	1	Felt Washer Retainer
8X-55	3	#8-32x3/8 Rd. Hd. Sc.
X-195	3	#8 Lock Washer
X-295	1	BALL BEARING - S.A.E. #203
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

CB-4014	1	CIRCUIT BREAKER ASSEMBLY
CB-123	1	Armature Spring
CB-160S	1	C. B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Sc.
GAS-87	2	C. B. Spacer
GAS-1024A	1	Head Band Assembly
X-196	2	#10 Lock Washer
8X-311	2	#10-32x3/8 Rd. Hd. Screw
X-714	1	#10-32x1 1/2 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut 1 2 3 4 5

(Issued 9-30-41)

‡ SERVICE BRUSH SET GAS-2012.

UNIT	APPLICATION
GAS-4155	LeRoi

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-20	2	Frame Screw
(GAS-2190A)	1	Frame & Field Assembly
GAS-29	2	Pole Piece
GAS-44	1	Field Connection Ins.
GAS-45	4	Field Coil Holder
GAS-121	1	Insulating Bushing
GAS-213	1	Lead Assembly
X-1595	1	Terminal
GAS-2005J	1	FIELD COIL ASSY.- Comp.
GAS-1007C	1	Field Coil Assy.-Left
X-1595	1	Terminal
GAS-1008E	1	Field Coil Assy.-Right
MN-21	2	Dowel Pin
MZ-38	2	Pole Piece Screw
X-755	2	Terminal
X-544	2	#10 Lock Washer

Comm. End Plate Assembly & Parts Used With

GAS-69	1	Comm. End Cap Cover
GAS-70	1	End Cap Cover Gasket
GAS-71	1	Bearing Retaining Washer
GAS-77	1	Felt Washer
GAS-78	1	Felt Washer Retainer
(GAS-2210)	1	Comm. End Plate Assembly
GAS-51	2	3rd Brush Plate Retaining Spring
GAS-210	1	Comm. End Plate
GAS-2021R	1	Brush Holder Plate Assy.
GAL-31	1	Ground Connector Assy.
X-958	2	Terminal
GAS-12†	2	Brush - Main
GAS-15	2	Brush Holder
GAS-17	1	Brush Spring
GAS-18	1	Brush Spring
GAS-1021R	1	Brush Holder Plate Part Assembly
8X-122	2	#8-32x1/2 Fill. Hd. Sc.
X-1275	2	#8 Skpf. Washer
GAS-2082R	1	3rd Brush Holder Plate Assembly
GAS-13†	1	Brush - Third
GAS-15	1	Brush Holder
GAS-17	1	Brush Spring
GAS-1082R	1	3rd Brush Holder Plate Part Assembly
8X-878	1	#8-32x7/16 Fill. Hd.Sc.
X-1275	1	#8 Skpf. Washer
8X-55	3	#8-32x3/8 Rd. Hd. Screw
X-195	1	#8 Lock Washer
X-489	1	1/4 Oiler - Press in Type
IA-175	1	Flat Steel Washer
8X-61	1	#10-32x7/16 Flat Hd. Screw
X-63	3	#8-32x3/8 Flat Hd. Screw
X-293	1	BALL BEARING - S.A.E. #201
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-152	1	Oil Thrower
GAS-2212	1	ARMATURE ASSEMBLY
GAS-53	1	Snap Ring
IA-158	1	Snap Ring
GDY-28	1	Washer
GR-32A	1	Felt Washer Retainer
X-407	1	3/32x3/4 Cotter Pin
X-1460	1	#212 Woodruff Key
X-1581	1	7/16-20 Castellated Nut

Drive End Head Assembly & Parts Used With

GAS-1211	1	Drive End Head Assembly
GAS-155	1	Bearing Retainer
GAS-156	1	Gasket
GAS-211	1	Drive End Head
GG-164	1	Felt Washer
X-196	3	#10 Lock Washer
8X-311	3	#10-32x3/8 Rd. Hd. Sc.
X-1470	1	BALL BEARING- S.A.E. #202

Miscellaneous Parts

GAS-168	2	T. C. Regulator Spacer
GAS-1024	1	Head Band Assembly
TC-4305A	1	TWO CHARGE REGULATOR
X-196	4	#10 Lock Washer
8X-311	4	#10-32x3/8 Rd. Hd. Screw
X-714	1	#10-32x1 1/2 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 4-17-41)

† SERVICE BRUSH SET GAS-2012.

UNIT	APPLICATION
GAS-4157	Aircooled Motors

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

PRELIMINARY

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part 1 2 3 4 5
GAS-20A	2	Frame Screw
(GAS-2163A)	1	Frame & Field Assembly
GAS-29	2	Pole Piece
GAS-44	1	Field Connection Ins.
GAS-45	4	Field Coil Holder
GAS-86	1	C. B. Lead Assembly
X-1423	1	Terminal
GAS-121	1	Insulating Bushing
GAS-2005D	1	FIELD COIL ASSY.- Comp.
GAS-1007B	1	Field Coil Assy.-Left
X-1423	1	Terminal
GAS-1008C	1	Field Coil - Right
MN-21	2	Dowel Pin
MZ-38A	2	Pole Piece Screw
X-755	2	Terminal
X-544	2	#10 Lock Washer

Comm. End Plate Assembly & Parts Used With

GAS-69A	1	Comm. End Cap Cover
GAS-70	1	End Cap Cover Gasket
GAS-71	1	Bearing Retaining Washer
GAS-77	1	Felt Washer
GAS-78	1	Felt Washer Retainer
(GAS-2079H)	1	Comm. End Plate Assembly
GAS-51	2	3rd Brush Plate Retaining Spring
GAS-79B	1	Comm. End Plate
GAS-2021R	1	Brush Holder Plate Assy.
GAL-31	1	Ground Connector Assy.
X-958	2	Terminal
GAS-12†	2	Brush - Main
GAS-15	2	Brush Holder
GAS-17	1	Brush Spring
GAS-18	1	Brush Spring
GAS-1021R	1	Brush Holder Plate Part Assembly
8X-122	2	#8-32x1/2 Fill. Hd. Sc.
X-1275	2	#8 Skpf. Washer
GAS-2082RA	1	3rd Brush Holder Plate Assembly
GAS-13†	1	Brush - Third
GAS-15	1	Brush Holder
GAS-17	1	Brush Spring
GAS-1082RA	1	3rd Brush Holder Plate Part Assembly
8X-878	1	#8-32x7/16 Fill. Hd.Sc.
X-1275	1	#8 Skpf. Washer
8X-55	3	#8-32x3/8 Rd. Hd. Screw
X-195	1	#8 Lock Washer
X-386	1	Ball Oiler - 1/4 Press in
IA-175	1	Flat Steel Washer
8X-61	1	#10-32x7/16 Flat Hd. Screw
8X-63	3	#8-32x3/8 Flat Hd. Screw
X-293	1	BALL BEARING - S.A.E. #201 1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part 1 2 3 4 5
GAS-2076	1	ARMATURE ASSEMBLY
GAS-53	1	Snap Ring
IA-158	1	Snap Ring
8X-160	1	7/16-20 Hex. Nut
X-1278	1	7/16 Skpf. Washer
X-1460	1	#212 Woodruff Key

Drive End Head Assembly & Parts Used With

GAS-1075E	1	Drive End Head Assembly
DB-13	1	Flat Felt Guard
GAS-73	1	Cupped Felt Guard
GAS-74	1	Bearing Retainer
GAS-75B	1	Drive End Head
IGP-34	1	Felt Wick
SC-127	1	Felt Washer
8X-55	3	#8-32x3/8 Rd. Hd. Screw
X-195	3	#8 Lock Washer
X-294	1	BALL BEARING- S.A.E. #202
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

GAS-1171A	1	Head Band Assembly
TC-4305A	1	TWO CHARGE REGULATOR
8X-118	1	#10-32x3/4 Fill. Hd. Screw
X-196	4	#10 Lock Washer
8X-321	4	#10-32x5/16 Rd. Hd. Screw 1 2 3 4 5

(Issued 4-18-41)

† SERVICE BRUSH SET GAS-2012.

UNIT	APPLICATION
GAS-4159	Indian Motocycle

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-20A	2	Bolt, Thru
(GAS-2216)	1	Frame & Field Assy.
GAS-40	1	Washer, Ins., Term. Stud, Inner
GAS-41	1	Bushing, Ins., Term. Stud
GAS-44	1	Insulation, Field Connection
GAS-45	4	Holder, Field Coil
GAS-225	1	Lead Assy.
X-1423	1	Terminal
GAS-1005B	1	Coil Assy., Field, Comp.
GAS-1007B	1	Coil Assy., Field, Left
X-1423	1	Terminal
GAS-1008F	1	Coil, Field, Right
GBF-36	1	Stud, Terminal, #10-32
GBF-55	1	Washer, Insulating, Term. Stud, Outer
GT-7	1	Bushing, Insulating
MN-21	2	Pin, Dowel, Head Locating
MZ-38	2	Screw, Pole Shoe
X-755	1	Terminal
X-1274	2	Washer, Skpf., Term. Stud, #10
5X-1377	1	Nut, Term. Stud, Hex., #10-32
X-196	1	Washer, Lock, Term. Stud, #10
X-544	2	Washer, Lock, Thru Bolt, #10
5X-1377	1	Nut, Term. Stud, Hex., #10-32

Comm. End Head Assembly & Parts Used With

(GAS-2215)	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Felt Wick
GAS-51	2	Spring, Retaining. 3rd Brush Plate
GAS-220	1	Oil Guard
GAS-221	1	Gasket, Oil Guard
GAS-223	1	Gasket, C.E. Cover
GAS-1215	1	Head Assy., Partial, C.E.
GAS-224	1	Bearing, Absorbent Brz.
GAS-1222	1	Cover, Comm. End
GAS-2021R	1	Plate Assy., Main Brush
GAL-31	1	Lead Assy., Ground
X-958	2	Terminal
GAS-15	2	Holder, Brush
GAS-17	1	Spring, Brush, Grounded
GAS-18	1	Spring, Brush, Insulated
GAS-1021R	1	Plate, Main Brush
GEM-12‡	2	Brush, Main
8X-122	1	Screw, Grounded Brush, Fil. hd., #8-32x1/2
X-1013	2	Washer, Lock, Brush Screw, #8
8X-1496	1	Screw, Ins. Brush, Bdg. hd., #8-32x7/16
		1 2 3 4 5

‡ Brush Set, Service, GEM-2012S.

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-2219R	1	Plate Assy., 3rd Brush
GAS-15	1	Holder, Brush
GAS-17	1	Spring, Brush
GAS-1219R	1	Plate, 3rd Brush
GEM-13‡	1	Brush, 3rd
8X-878	1	Screw, Brush, Fil. hd., #8-32x7/16
X-1013	1	Washer, Brush Screw Skpf., #8
8X-55	3	Screw, Plate Attaching, Rd. hd., #8-32x3/8
X-195	5	Washer, Lock, Plate & Cover Screw, #8
8X-888	4	Screw, Cover, Fil. hd., #8-32x5/16

Armature Assembly & Parts Used With

GAS-2218	1	Armature Assy.
GAR-171	1	Snap Ring, D.E.
GBM-21	1	Nut, Armature Shaft
SP-383	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
X-864	1	Washer, Lock, Arm. Shaft, .669

Drive End Head Assembly & Parts Used With

GAS-1217	1	Head Assy., Drive End
DA-39	1	Retainer, Felt Washer, Flat
GAS-103	1	Retainer, Felt Washer, Cupped
GAS-104	1	Retainer, Bearing
GAS-217	1	Head
GG-164	1	Washer, Felt
8X-55	3	Screw, Retainer, Rd. hd., #8-32x3/8
X-195	3	Washer, Lock, Retainer Sc., #8
X-441	1	Bearing, Ball, Shielded, S.A.E. #203
X-489	1	Oiler, Hinge Top, Press in, 1/4

Miscellaneous Parts

CB-4014	1	Relay Assy., Cutout
CB-123	1	Spring, Armature
CB-160S	1	Cover
PX-55	1	Screw, Arm. Term., Bdg. hd., #10-32x3/16
X-196	2	Washer, Lock, Term. Sc., #10
8X-312	1	Screw, Bat. Term., Rd. hd., #10-32x1/4
GAS-87	2	Spacer, Relay Mounting
GAS-1024A	1	Band, Cover
X-196	2	Washer, Lock, Cutout Relay Mtg., #10
8X-311	2	Screw, Mounting, Cutout Relay, Rd. hd., #10-32x3/8
X-714	1	Screw, Cover Band, Rd. hd., #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square, #10- 32
		1 2 3 4 5

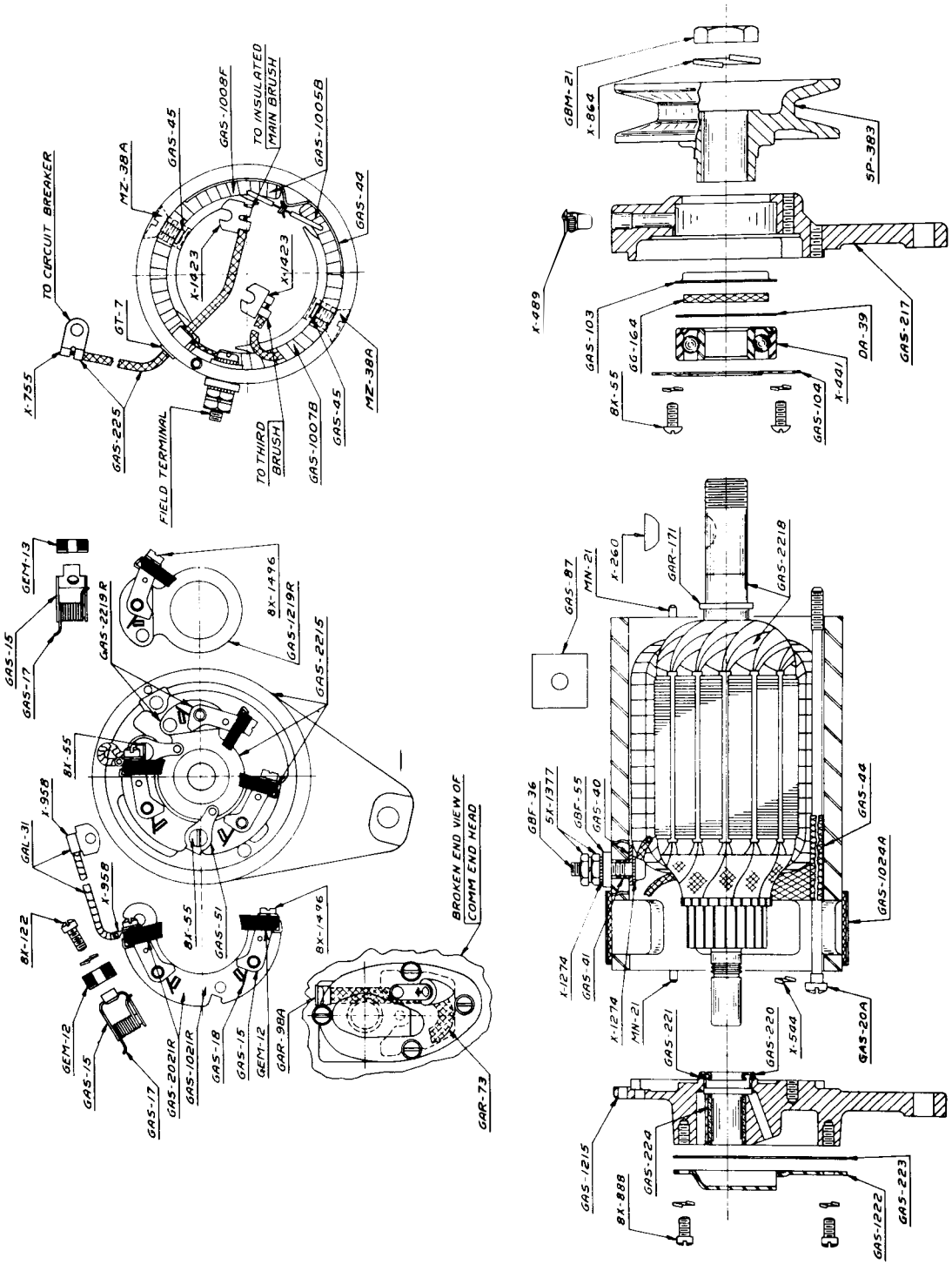
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(Issued 3-11-44)

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GAS-4160A GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-20	2	Frame Screw
(GAS-2138)	1	Frame & Field Assembly
GAS-29	2	Pole Piece
GAS-44	1	Field Connection Ins.
GAS-45	4	Field Coil Holder
GAS-86	1	C. B. Lead Assembly
X-1423	1	Terminal
GAS-2005A	1	FIELD COIL ASSY.- Comp.
GAS-1007B	1	Field Coil Assy.-Left
X-1423	1	Terminal
GAS-1008A	1	Field Coil Assy.-Right
X-959	1	Terminal
GT-7	1	Insulating Tube
MN-21	2	Dowel Pin
MZ-38	2	Pole Piece Screw
X-140	1	#6-32 Hex. Nut
X-755	1	Terminal
X-1275	1	#8 Skpf. Washer
X-1350	1	#6-32x7/16 Flat Hd. Screw
X-544	2	#10 Lock Washer

Comm. End Plate Assembly & Parts Used With

GAS-69	1	Comm. End Cap Cover
GAS-70	1	End Cap Cover Gasket
GAS-71	1	Bearing Retaining Washer
GAS-77	1	Felt Washer
GAS-78	1	Felt Washer Retainer
(GAS-2226)	1	Comm. End Plate Assembly
GAS-51	2	3rd Brush Plate Retaining Spring
GAS-226	1	Comm. End Plate
GAS-2021R	1	Brush Holder Plate Assy.
GAL-31	1	Ground Connector Assy.
X-958	2	Terminal
GAS-12†	2	Brush - Main
GAS-15	2	Brush Holder
GAS-17	1	Brush Spring
GAS-18	1	Brush Spring
GAS-1021R	1	Brush Holder Plate Part Assembly
8X-122	2	#8-32x1/2 Fill. Hd. Sc.
X-1275	2	#8 Skpf. Washer
GAS-2082R	1	3rd Brush Holder Plate Assembly
GAS-13†	1	Brush - Third
GAS-15	1	Brush Holder
GAS-17	1	Brush Spring
GAS-1082R	1	3rd Brush Holder Plate Part Assembly
8X-878	1	#8-32x7/16 Fill. Hd.Sc.
X-1275	1	#8 Skpf. Washer
8X-55	3	#8-32x3/8 Rd. Hd. Screw
X-195	1	#8 Lock Washer
X-489	1	1/4 Oiler - Press in Type
IA-175	1	Flat Steel Washer
8X-61	1	#10-32x7/16 Flat Hd. Screw
X-63	3	#8-32x3/8 Flat Hd. Screw
X-293	1	BALL BEARING - S.A.E. #201
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-2227	1	ARMATURE ASSEMBLY
GAS-53	1	Snap Ring
IA-158	1	Snap Ring
SP-423	1	Drive Pulley
X-160	1	7/16-20 Hex. Nut
X-1278	1	7/16 Skpf. Washer
X-1460	1	#212 Woodruff Key

Drive End Head Assembly & Parts Used With

GAS-1228	1	Drive End Head Assembly
DB-13	1	Flat Felt Guard
GAS-73	1	Cupped Felt Guard
GAS-228	1	Drive End Head
GEM-74	1	Bearing Retainer
IGP-34	1	Felt Wick
SC-127	1	Felt Washer
8X-55	3	#8-32x3/8 Rd. Hd. Screw
X-195	3	#8 Lock Washer
X-294	1	BALL BRG. - S.A.E. #202
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

CB-4014	1	CIRCUIT BREAKER ASSEMBLY
CB-123	1	Armature Spring
CB-160S	1	C. B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Screw
GAS-87	2	C. B. Spacer
GAS-1024A	1	Head Band Assembly
X-196	2	#10 Lock Washer
8X-311	2	#10-32x3/8 Rd. Hd. Screw
X-714	1	#10-32x1 1/2 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 5-16-41)

† SERVICE BRUSH SET GAS-2012.

UNIT	APPLICATION
GAS-4161A	Wisconsin Motor

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-20A	2	Bolt, Thru
(GAS-2230)	1	Frame & Field Assy.
GAS-40	1	Washer, Ins., Term. Stud, Inner
GAS-41	1	Bushing, Ins., Term. Stud
GAS-44	1	Insulation, Field Connection
GAS-45	4	Holder, Field Coil
GAS-225	1	Lead Assy.
X-1423	1	Terminal
GAS-1005B	1	Coil Assy., Field Comp.
GAS-1007B	1	Coil Assy., Field, Left
X-1423	1	Terminal
GAS-1008F	1	Coil, Field, Right
GBF-36	1	Stud, Terminal
GBF-55	1	Washer, Insulating, Term. Stud, Outer
GT-7	1	Bushing, Insulating
MN-21	2	Pin, Dowel, Head Locating
MZ-38	2	Screw, Pole Shoe
X-755	1	Terminal
X-1274	2	Washer, Skpf., Term. Stud, #10
5X-1377	1	Nut, Term. Stud, Hex., #10-32
X-196	1	Washer, Lock, Term. Stud, #10
X-544	2	Washer, Lock, Thru Bolt, #10
5X-1377	1	Nut, Term. Stud, Hex., #10-32

Comm. End Head Assembly & Parts Used With

(GAS-2229)	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Felt Wick
GAS-51	2	Spring, Retaining, 3rd Brush Plate
GAS-220	1	Oil Guard
GAS-221	1	Gasket, Oil Guard
GAS-223	1	Gasket, C.E. Cover
GAS-1222	1	Cover, Comm. End
GAS-1229	1	Head Assy., Partial, C.E.
GAS-224	1	Bearing, Absorbent Bronze
GAS-2021R	1	Plate Assy., Main Brush
GAL-31	1	Lead Assy., Ground
X-958	2	Terminal
GAS-15	2	Holder, Brush
GAS-17	1	Spring, Brush, Grounded
GAS-18	1	Spring, Brush, Insulated
GAS-1021R	1	Plate, Main Brush
GEM-12‡	2	Brush, Main
8X-122	1	Screw Grounded Brush, Fil. hd., #8-32x1/2
X-1013	2	Washer, Lock, Brush Screw, #8
8X-1496	1	Screw, Ins. Brush, Bdg. hd., #8-32x7/16
GAS-2219R	1	Plate Assy., 3rd Brush
		1 2 3 4 5

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-15	1	Holder, Brush
GAS-17	1	Spring, Brush
GAS-1219R	1	Plate, 3rd Brush
GEM-13‡	1	Brush, 3rd
8X-878	1	Screw, Brush, Fil. hd., #8-32x7/16
X-1013	1	Washer, Brush Screw, Skpf., #8
8X-55	3	Screw, Brush Plate, Rd. hd., #8-32x3/8
X-195	5	Washer, Lock, Cover & Plate Screw, #8
8X-888	4	Screw, Cover, Fill. hd., #8-32x5/16

Armature Assembly & Parts Used With

GAS-2218	1	Armature Assy.
GAR-171	1	Snap Ring, D.E.
GBM-21	1	Nut, Armature Shaft
SP-383	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
X-864	1	Washer, Lock, Arm. Shaft, .669

Drive End Head Assembly & Parts Used With

GAS-1217A	1	Head Assy., Drive End
DA-39	1	Retainer, Felt Washer, Flat
GAS-103	1	Retainer, Felt Washer, Cupped
GAS-104	1	Retainer, Bearing
GAS-217A	1	Head
GG-164	1	Washer, Felt
8X-55	3	Screw, Retainer, Rd. hd., #8-32x3/8
X-195	3	Washer, Lock, Retainer Sc., #8
X-441	1	Bearing, Ball, Shielded, S.A.E. #203
X-489	1	Oiler, Hinge Top, Press in, 1/4

Miscellaneous Parts

CB-4014	1	Relay Assy., Cutout
CB-123	1	Spring, Armature
CB-160S	1	Cover
PX-55	1	Screw, Arm. Term., Bdg. hd., #10-32x3/16
X-196	2	Washer, Lock, Term. Sc., #10
8X-312	1	Screw, Bat. Term., Rd. hd., #10-32x1/4
GAS-87	2	Spacer, Relay Mounting
GAS-1024A	1	Band, Cover
X-196	2	Washer, Lock, Cutout Relay Mtg., #10
8X-311	2	Screw, Mtg., Cutout Relay, Rd. hd., #10-32x3/8
X-714	1	Screw, Cover Band, Rd.hd., #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square, #10-32
		1 2 3 4 5

(Issued 3-11-44)

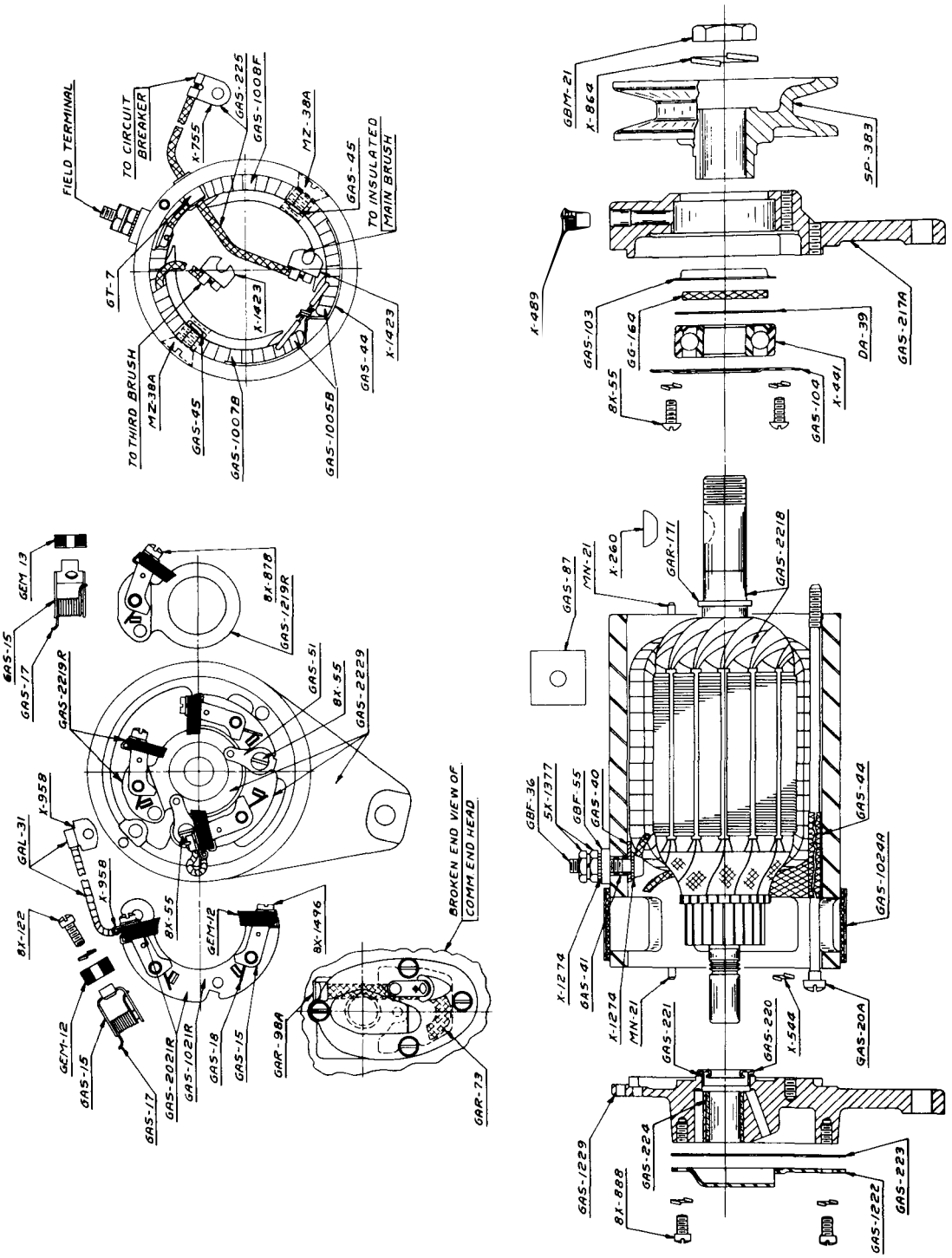
‡ Brush Set, Service, GEM-2012S.

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

File in Equipment & Parts List Binder

GAS-4162A GENERATOR ILLUSTRATION



GAS-4164 GENERATOR PARTS LIST GAS-4164

Preliminary

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-20	2	Frame Screw
(GAS-2138)	1	Frame & Field Assy.
GAS-29	2	Pole Piece
GAS-44	1	Field Connection Ins.
GAS-45	4	Field Coil Holder
GAS-86	1	C.B. Lead Assy.
X-1423	1	Terminal
GAS-2005A	1	FIELD COIL ASSY.-Comp.
GAS-1007B	1	Field Coil Assy.-Left
X-1423	1	Terminal
GAS-1008A	1	Field Coil Assy.-Right
X-959	1	Terminal
GT-7	1	Insulating Tube
MN-21	2	Dowel Pin
MZ-38	2	Pole Piece Screw
X-140	1	#6-32 Hex. Nut
X-755	1	Terminal
X-1275	1	#8 Skpf. Washer
X-1350	1	#6-32x7/16 Flat Hd. Sc.
X-544	2	#10 Lock Washer

Comm. End Plate Assembly & Parts Used With

GAS-52	1	Grease Hole Cover
(GAS-2174)	1	Comm. End Plate Assy.
GAS-51	2	3rd Brush Plate Retaining Spring
GAS-1174	1	C.E. Plate Part Assy.
GAS-49	1	ABSORBENT BRONZE BRG.
GAS-2021R	1	Brush Holder Plate Assy.
GAL-31	1	Ground Connector Assy.
X-958	2	Terminal
GAS-12†	2	Brush - Main
GAS-15	2	Brush Holder
GAS-17	1	Brush Spring
GAS-18	1	Brush Spring
GAS-1021R	1	Br. Holder Plate Part Assembly
8X-122	2	#8-32x1/2 Fill. Hd. Screw
X-1275	2	#8 Skpf. Washer
GAS-2126	1	3rd Brush Holder Plate Assembly
GAS-13†	1	Brush - Third
GAS-15	1	Brush Holder
GAS-17	1	Brush Spring
GAS-1126	1	3rd Br. Holder Plate Part Assy.
8X-878	1	#8-32x7/16 Fill. Hd. Screw
X-1275	1	#8 Skpf. Washer
8X-55	3	#8-32x3/8 Rd. Hd. Screw
X-195	1	#8 Lock Washer
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-1176	1	Oil Thrower
GAS-2175	1	ARMATURE ASSEMBLY
GK-174A	1	1/2 Plain Washer
X-263	1	#8 Woodruff Key
X-404	1	3/32x1 Cotter Pin
X-835	1	1/2-20 Slotted Nut

Drive End Head Assembly & Parts Used With

GAS-1232	1	Drive End Head Assy.
GAS-177	1	Bearing Retainer
GAS-232	1	Drive End Head
8X-63	3	#8-32x3/8 Flat Hd. Sc.
X-378	1	BALL BEARING

Dist. Mounting Housing & Parts Used With

GAG-58	1	Dist. Mtg. Housing Clamp
GE-61	1	Dist. Gear - Driver
GT-121B	1	Dist. Mtg. Housing
GW-19	1	Bearing Cover
IG-86	1	Dist. Drive Rivet
8X-53	1	#8-32x5/8 Rd. Hd. Screw
8X-141	1	#8-32 Hex. Nut
X-380	1	1/8 Grease Cup
X-544	3	#10 Lock Washer
8X-900	3	#10-32x7/8 Fill. Hd. Screw

Miscellaneous Parts

CB-4014	1	CIRCUIT BREAKER ASSY.
CB-123	1	Armature Spring
CB-160S	1	C.B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Screw
GAS-87	2	C.B. Spacer
GAS-1024A	1	Head Band Assembly
X-196	2	#10 Lock Washer
8X-311	2	#10-32x3/8 Rd. Hd. Screw
X-714	1	#10-32x1 1/2 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 10-31-41)

† Service BRUSH SET GAS-2012.

UNIT	APPLICATION
GAS-4164	Wisconsin Motor

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-20A	2	Bolt, Thru
(GAS-2234)	1	Frame & Field Assy.
GAS-44	1	Insulation, Field Connection
GAS-45	4	Holder, Field Coil
GAS-86	1	Lead Assy.
X-1423	1	Terminal
GAS-121	1	Bushing, Insulating
GAS-2005D	1	Coil Assy., Field, Comp.
GAS-1007B	1	Coil Assy., Field, Left
X-1423	1	Terminal
GAS-1008C	1	Coil, Field, Right
MN-21	2	Pin, Dowel, Head Locating
MZ-38	2	Screw, Pole Shoe
X-755	2	Terminal
X-544	2	Washer, Lock, Thru Bolt, #10

Comm. End Head Assembly & Parts Used With

GAS-69A	1	Cover, Comm. End
GAS-70	1	Gasket, Cover, Comm. End
GAS-71	1	Washer, Bearing Retaining
GAS-77	1	Washer, Felt
GAS-78	1	Retainer, Felt Washer
(GAS-2079E)	1	Head Assy., Comm. End
GAS-51	2	Spring, Retaining, 3rd Brush Plate
GAS-79	1	Head
GAS-2021R	1	Plate Assy., Main Brush
GAL-31	1	Lead Assy., Ground
X-958	2	Terminal
GAS-15	2	Holder, Brush
GAS-17	1	Spring, Brush, Grounded
GAS-18	1	Spring, Brush, Insulated
GAS-1021R	1	Plate, Main Brush
GEM-12‡	2	Brush, Main
8X-122	1	Screw, Grounded Brush, Fil. hd., #8-32x1/2
X-1013	2	Washer, Lock, Brush Screw, #8
8X-1496	1	Screw, Ins. Brush, Bdg. hd., #8-32x7/16
GAS-2082R	1	Plate Assy., 3rd Brush
GAS-15	1	Holder, Brush
GAS-17	1	Spring, Brush
GAS-1082R	1	Plate, 3rd Brush
GEM-13‡	1	Brush
X-1013	1	Washer, Lock, Brush Screw, #8
8X-1496	1	Screw, Brush, Bdg. hd., #8-32x7/16
8X-55	3	Screw, Plate Attaching, Rd. hd., #8-32x3/8
X-195	1	Washer, Lock, Plate Sc., #8
X-386	1	Oiler, Ball, Press in, 1/4
IA-175	1	Washer, Plain, Felt Retaining
8X-61	1	Screw, Bearing Retaining, Flat hd., #10-32x7/16
		1 2 3 4 5

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
X-63	3	Screw, Cover Holding, Flat hd., #8-32x3/8
X-293	1	Bearing, Ball, S.A.E. #201

Armature Assembly & Parts Used With

GAS-2076	1	Armature Assy.
GAS-53	1	Snap Ring, D.E.
IA-158	1	Snap Ring, C.E.
*	1	Pulley, Drive
X-160	1	Nut, Armature Shaft, Hex., 7/16-20
X-1460	1	Key, Woodruff, #212
X-1624	1	Washer, Skpf., Armature Shaft, 7/16

Drive End Head Assembly & Parts Used With

GAS-1075E	1	Head Assy., Drive End
DB-13	1	Retainer, Felt Washer, Flat
GAS-73	1	Retainer, Felt Washer, Cupped
GAS-74	1	Retainer, Bearing
GAS-75B	1	Head
IGP-34	1	Wick, Felt
SC-127	1	Washer, Felt
8X-55	3	Screw, Retainer, Rd. hd.,
X-195	3	Washer, Lock, Retainer Sc., #8
X-294	1	Bearing, Ball, S.A.E. #202
X-489	1	Oiler, Hinge Top, Press in, 1/4

Miscellaneous Parts

GAS-1235	1	Band, Cover
TC-4305E	1	Regulator
8X-118	1	Screw, Head Band, Fil. hd., #10-32x3/4
X-196	4	Washer, Lock, Regulator Mtg., #10
8X-309	1	Screw, Mtg., Regulator, Rd. hd., #10-32x1/2
8X-321	3	Screw, Mtg., Regulator, Rd.hd., #10-32x5/16
		1 2 3 4 5

(Issued 3-11-44)

Assembly No.	Pulley, Drive
GAS-4165	None
GAS-4165B	SP-491

‡ Brush Set, Service, GEM-2012S.

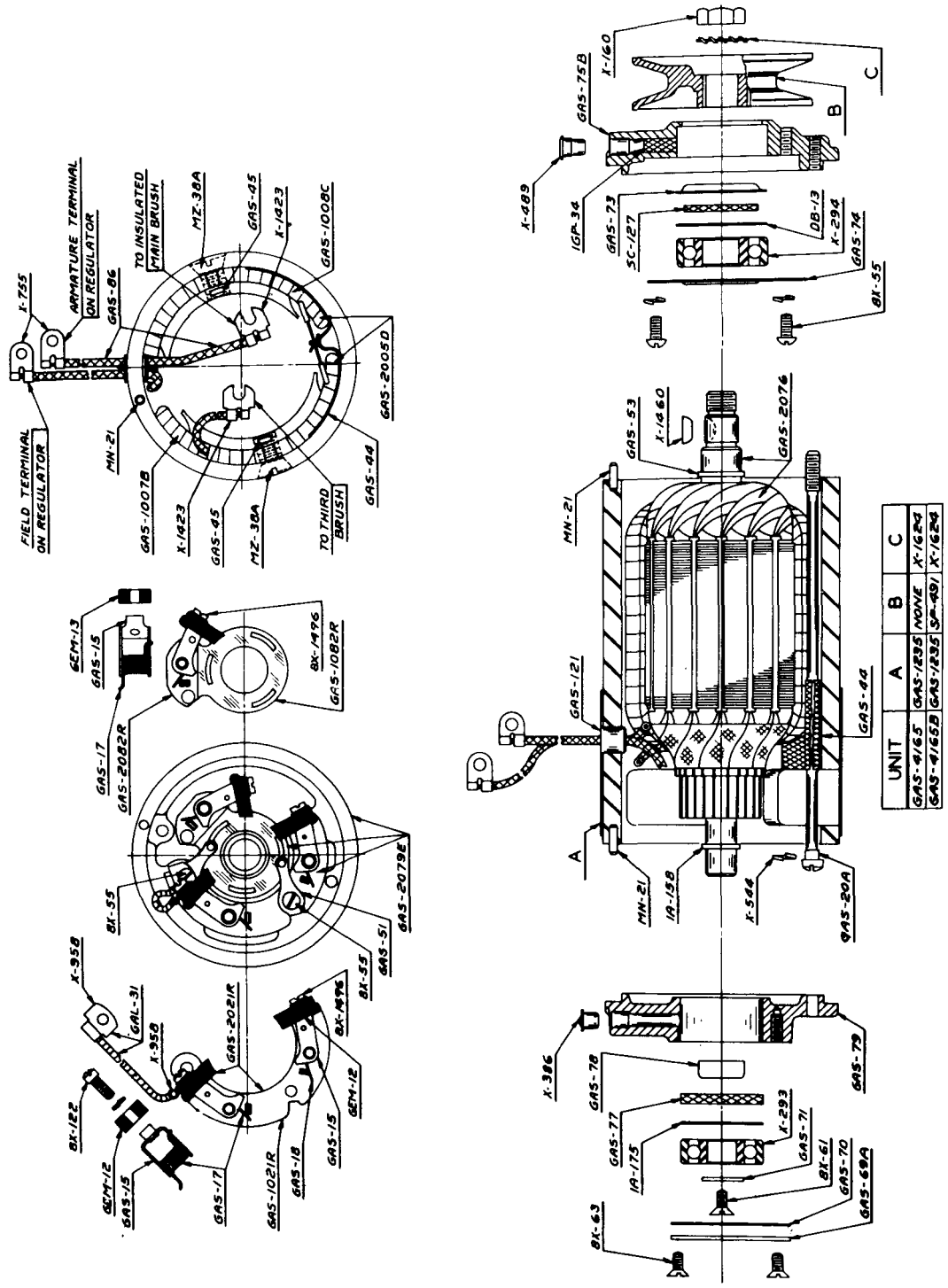
* See table following parts list for part number applying to assembly wanted.

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

File in Equipment & Parts List Binder

GAS-4165,B GENERATOR ILLUSTRATION



UNIT	A	B	C
GAS-4165	GAS-1235	NONE	X-1624
GAS-4165B	GAS-1235	SP-481	X-1624

GAS-4166 GENERATOR PARTS LIST GAS-4166

PRELIMINARY

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-20A	2	Frame Screw
(GAS-3192)	1	Frame & Field Assy.
GAS-29	2	Pole Piece
GAS-40	1	Ins. Washer - Special
GAS-41	1	Insulating Bushing
GAS-44	1	Field Connection Ins.
GAS-45	4	Field Coil Holder
GAS-47	1	Terminal Lead Assy.
GBF-36	1	Terminal Post
X-1423	1	Terminal
GAS-2005	1	FIELD COIL ASSY.-Comp.
GAS-1007A	1	Field Coil Assy.-Left
X-1424	1	Terminal
GAS-1008A	1	Field Coil Assy.-Right
X-959	1	Terminal
GBF-55	1	Insulating Washer
MN-21	2	Dowel Pin
MZ-38A	2	Pole Piece Screw
X-140	1	#6-32 Hex. Nut
X-1274	2	3/16 Skpf. Washer
X-1275	1	#8 Skpf. Washer
8X-1350	1	#6-32x7/16 Flat Hd. Sc.
8X-1377	1	#10-32 Hex. Nut
X-196	1	#10 Lock Washer
X-544	2	#10 Lock Washer
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

GAS-69A	1	Comm. End Cap Cover
GAS-70	1	End Cap Cover Gasket
GAS-71	1	Bearing Retaining Washer
GAS-77	1	Felt Washer
GAS-78	1	Felt Washer Retainer
(GAS-3191)	1	Comm. End Plate Assy.
GAS-51	2	3rd Br. Plate Retaining Spring
GAS-191	1	Comm. End Plate
GAS-2021L	1	Brush Holder Plate Assy.
GAL-31	1	Ground Connector Assy.
X-958	2	Terminal
GAS-12†	2	Brush - Main
GAS-15	2	Brush Holder
GAS-17	1	Brush Spring
GAS-18	1	Brush Spring
GAS-1021L	1	Brush Holder Plate Part Assembly
8X-122	2	#8-32x1/2 Fill. Hd. Screw
X-1275	2	#8 Skpf. Washer
GAS-2072LA	1	3rd Brush Holder Plate Assembly
GAS-13†	1	Brush - Third
GAS-15	1	Brush Holder
GAS-18	1	Brush Spring
GAS-1072LA	1	3rd Brush Holder Plate Part Assy.
8X-878	1	#8-32x7/16 Fill. Hd. Screw
X-1275	1	#8 Skpf. Washer
8X-55	3	#8-32x3/8 Rd. Hd. Sc.
X-195	1	#8 Lock Washer
X-489	1	1/4 Oiler-Press in Type
		1 2 3 4 5

Comm. End Plate Assembly (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
IA-175	1	Flat Steel Washer
8X-61	1	#10-32x7/16 Flat Hd. Sc.
8X-63	3	#8-32x3/8 Flat Hd. Screw
X-293	1	BALL BEARING - S.A.E. #201

Armature Assembly & Parts Used With

GAS-3237	1	ARMATURE ASSEMBLY
GAS-53	1	Snap Ring
IA-158	1	Snap Ring
8X-159	1	3/8-24 Hex. Nut
X-1277	1	3/8 Skpf. Washer
X-1460	1	#212 Woodruff Key

Drive End Head Assembly & Parts Used With

GAS-1193	1	Drive End Head Assy.
DB-13	1	Flat Felt Guard
GAS-73	1	Cupped Felt Guard
GAS-74	1	Bearing Retainer
GAS-193	1	Drive End Head
IGP-34	1	Felt Wick
SC-127	1	Felt Washer
8X-55	3	#8-32x3/8 Rd. Hd. Sc.
X-195	3	#8 Lock Washer
X-294	1	BALL BEARING-S.A.E. #202
X-489	1	1/4 Oiler-Press in Type

Miscellaneous Parts

CB-4014	1	CIRCUIT BREAKER ASSY.
CB-123	1	Armature Spring
CB-160S	1	C.B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Sc.
DG-107	1	Lead Assembly
X-755	2	Terminal
GAS-87A	2	C.B. Spacer
GAS-1024E	1	Head Band Assembly
X-196	2	#10 Lock Washer
8X-311	2	#10-32x3/8 Rd. Hd. Screw
8X-714	1	#10-32x1 1/2 Rd. Hd. Sc.
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 2-27-41)

† Service BRUSH SET GAS-2012.

UNIT	APPLICATION
GAS-4166	Indian Motocycle

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-20A	2	Bolt, Thru
(GAS-2240)	1	Frame & Field Assy.
GAS-44	1	Insulation, Field Connection
GAS-45	4	Holder, Field Coil
GAS-121	1	Bushing, Insulating
GAS-225	1	Lead Assy.
X-1423	1	Terminal
GAS-1005A	1	Coil Assy., Field, Comp.
GAS-1007B	1	Coil Assy., Field, Left
X-1423	1	Terminal
GAS-1008D	1	Coil, Field, Right
MN-21	2	Pin, Dowel, Head Locating
MZ-38	2	Screw, Pole Shoe
X-755	2	Terminal
X-544	2	Washer, Lock, Thru Bolt, #10

Comm. End Head Assembly & Parts Used With

(GAS-2229)	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Felt Wick
GAS-51	2	Spring, Retaining, 3rd Brush Plate
GAS-220	1	Oil Guard
GAS-221	1	Gasket, Oil Guard
GAS-223	1	Gasket, C.E. Cover
GAS-1222	1	Cover, Comm. End
GAS-1229	1	Head Assy., Partial, C.E.
GAS-224	1	Bearing, Absorbent Bronze
GAS-2021R	1	Plate Assy., Main Brush
GAL-31	1	Lead Assy., Ground
X-958	2	Terminal
GAS-15	2	Holder, Brush
GAS-17	1	Spring, Brush, Grounded
GAS-18	1	Spring, Brush, Insulated
GAS-1021R	1	Plate, Main Brush
GEM-12‡	2	Brush, Main
8X-122	1	Screw, Grounded Brush, Fil. hd., #8-32x1/2
X-1013	2	Washer, Lock, Brush Screw, #8
8X-1496	1	Screw, Ins. Brush, Bdg. hd., #8-32x7/16
GAS-2219R	1	Plate Assy., 3rd Brush
GAS-15	1	Holder, Brush
GAS-17	1	Spring, Brush
GAS-1219R	1	Plate, 3rd Brush
GEM-13‡	1	Brush, 3rd
8X-878	1	Screw, Brush, Fil. hd., #8-32x7/16
X-1013	1	Washer, Brush Screw, Skpf., #8
8X-55	3	Screw, Brush Plate, Rd. hd., #8-32x3/8
X-195	5	Washer, Lock, Cover & Plate Screw, #8
8X-888	4	Screw, Cover
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-2218	1	Armature Assy.
GAR-171	1	Snap Ring, D.E.
GBM-21	1	Nut, Armature Shaft
SP-383	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
X-864	1	Washer, Lock, Arm. Shaft, .669

Drive End Head Assembly & Parts Used With

GAS-1217A	1	Head Assy., Drive End
DA-39	1	Retainer, Felt Washer, Flat
GAS-103	1	Retainer, Felt Washer, Cupped
GAS-104	1	Retainer, Bearing
GAS-217A	1	Head
GG-164	1	Washer, Felt
8X-55	3	Screw, Retainer, Rd. hd., #8-32x3/8
X-195	3	Washer, Lock, Retainer Sc., #8
X-441	1	Bearing, Ball, Shielded, S.A.E. #203
X-489	1	Oiler, Hinge Top, Press in, 1/4

Miscellaneous Parts

GAS-168	2	Spacer, Regulator Mounting
GAS-1024A	1	Band, Cover
TC-4324A	1	Regulator
X-196	4	Washer, Lock, Regulator Mtg., #10
8X-311	4	Screw, Mounting Regulator, Rd. hd, #10-32x3/8
X-714	1	Screw, Cover Band, Rd. hd., #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square, #10-32
		1 2 3 4 5

(Issued 3-13-44)

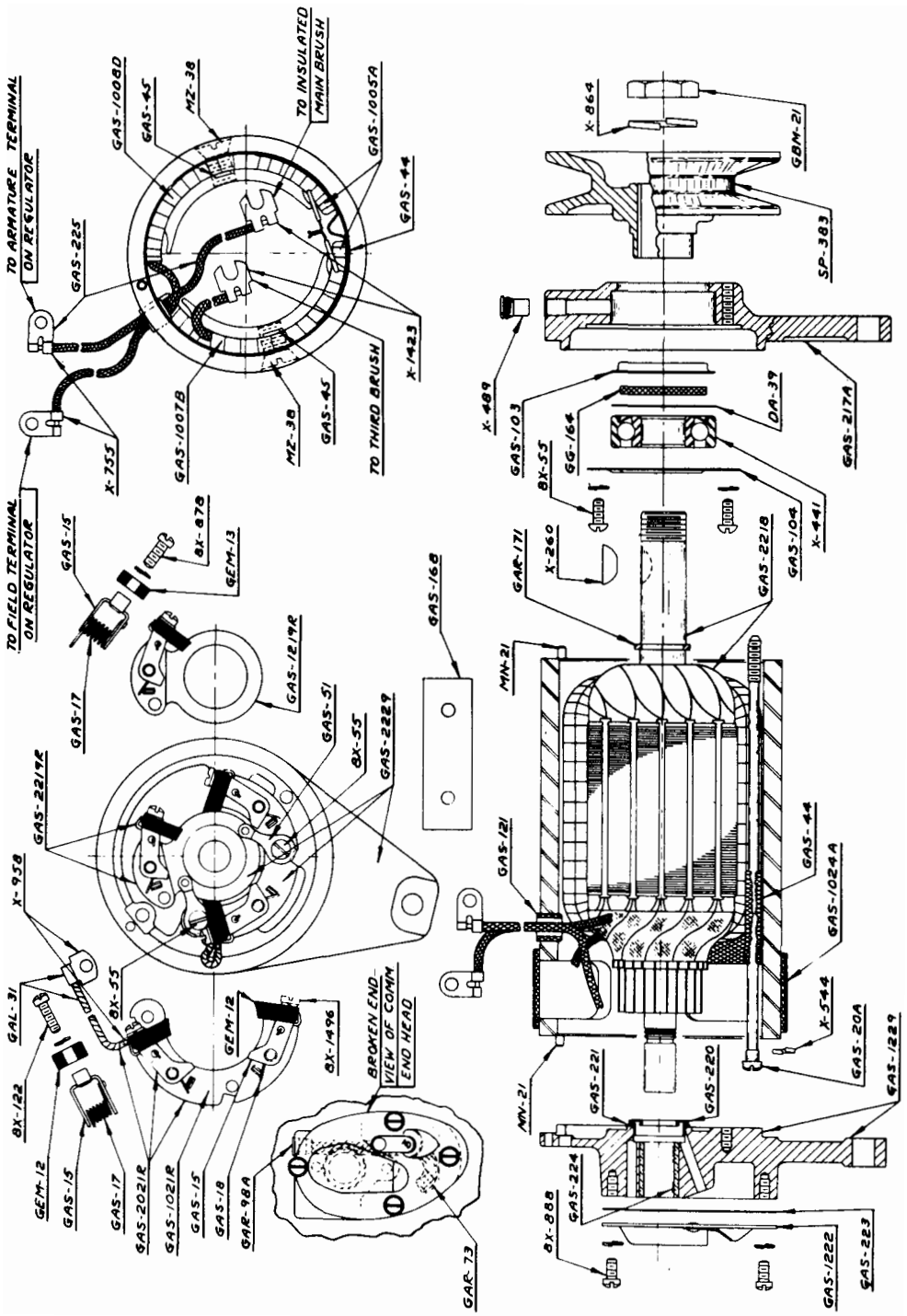
‡ Brush Set, Service, GEM-2012S.

Printed in U. S. A.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

File in Equipment & Parts List Binder

GAS-4167 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GAS-20A	2	Bolt, Thru
GAS-3138	1	Frame & Field Assy.
GAS-44	1	Insulation, Field Connection
GAS-45	4	Holder, Field Coil
GAS-86	1	Lead Assy.
X-1423	1	Terminal
GAS-2005	1	COIL ASSY., FIELD, COMPLETE
GAS-1007A	1	Coil Assy., Field, Left
X-1424	1	Terminal
GAS-1008A	1	Coil Assy., Field, Right
X-959	1	Terminal
GT-7	1	Bushing, Insulating
MN-21	2	Pin, Dowel
MZ-38A	2	Screw, Pole Shoe
X-140	1	Nut, Hex. #6-32
X-755	1	Terminal
X-1275	1	Washer, Skpf. #8
X-1350	1	Screw, Flat Hd. #6-32x7/16
X-196	2	Lockwasher, Thru Bolt, #10

Comm. End Head Assembly & Parts Used With

GAS-3251	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Felt Wick
GAS-51	2	Spring, Retaining, 3rd. Brush Plate
GAS-220	1	Oil Guard
GAS-221	1	Gasket, Oil Retaining
GAS-223	1	Gasket, Cover
GAS-1222	1	Cover, Comm. End
GAS-1251	1	Head Assy., Partial, C.E.
GAS-224	1	BEARING, ABS. BRONZE
GAS-2021L	1	Plate Assy., Main Brush
GAL-31	1	Lead Assy., Ground
X-958	2	Terminal
GAS-15	2	Holder, Brush
GAS-17	1	Spring, Brush, Insulated
GAS-18	1	Spring, Brush, Grounded
GAS-1021L	1	Plate
GEM-12†	2	Brush, Main
8X-122	2	Screw, Brush, Fill. Hd. #8-32x1/2
X-195	2	Lockwasher, Brush Screw, #8
GAS-2219L	1	Plate Assy., 3rd. Brush
GAS-15	1	Holder, Brush
GAS-18	1	Spring, Brush
GAS-1219L	1	Plate, 3rd. Brush

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
GEM-13†	1	Brush
X-195	1	Lockwasher, #8
8X-878	1	Screw, Fill. Hd. #8-32x7/16
8X-55	3	Screw, Rd. Hd. #8-32x3/8
X-195	5	Lockwasher, #8
8X-888	4	Screw, Fill. Hd. #8-32x5/16

Armature Assembly & Parts Used With

GAS-3218	1	ARMATURE ASSY.
GAR-171	1	Snap Ring
GBM-21B	1	Nut, Armature Shaft
GCX-23	1	Spacer, Armature Shaft
*	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
12X-864	1	Lockwasher, Arm. Shaft

Drive End Head Assembly & Parts Used With

GAS-1252	1	Head Assy., Drive End
DA-39	1	Retainer, Felt Washer, Flat
GAS-103	1	Retainer, Felt Washer, Cupped
GAS-104	1	Retainer, Bearing
GAS-252	1	Head, Drive End
GG-164	1	Washer, Felt
8X-55	3	Screw, Rd. Hd. #8-32x3/8
X-195	3	Lockwasher, #8
X-295	1	BEARING, BALL; S.A.E. #203
X-489	1	Oiler

Miscellaneous Parts

CB-4014	1	RELAY ASSY., CUTOUT
CB-123	1	Spring, Armature
CB-160S	1	Cover, Relay
PX-55	1	Screw, Arm. Term., Bdg. Hd. #10-32x3/16
12X-196	2	Lockwasher, Term. Screw, #10
8X-312	1	Screw, Bat. Term. Rd. Hd. #10-32x1/4
GAS-87	2	Spacer, Relay Mounting
GAS-1024F	1	Band, Cover
12X-196	2	Lockwasher, Relay Mtg., #10
8X-311	2	Screw, Mounting, Relay, Rd. Hd. #10-32x3/8
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

(Continued on Reverse Side)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

* See table following parts list for part number applying to assembly wanted.

† BRUSH SET, SERVICE, GEM-2012S.

Assembly No.	Pulley
GAS-4168	None
GAS-4168A	PU-82

UNIT	APPLICATION
GAS-4168, A	Chris Craft

Printed in U. S. A.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

File in
Equipment & Parts List Binder

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-20A	2	Bolt, Thru
(GAS-2259)	1	Frame & Field Assy.
GAS-40	1	Washer, Ins., Term. Stud, Inner
GAS-41	1	Bushing, Ins., Term. Stud
GAS-44	1	Insulation, Field Connection
GAS-45	4	Holder, Field Coil
GAS-260	1	Lead Assy.
X-1423	1	Terminal
GAS-1005B	1	Coil Assy., Field, Comp.
GAS-1007B	1	Coil Assy., Field, Left
X-1423	1	Terminal
GAS-1008F	1	Coil, Field, Right
GBF-36	1	Stud, Terminal
GBF-55	1	Washer, Insulating, Term. Stud, Outer
GT-7	1	Bushing, Insulating
MN-21	2	Pin, Dowel, Head Locating
MZ-38	2	Screw, Pole Shoe
X-755	1	Terminal
X-1274	2	Washer, Skpf., Term. Stud, #10
5X-1377	1	Nut, Term. Stud, Hex., #10-32
X-196	1	Washer, Lock, Term. Stud, #10
X-544	2	Washer, Lock, Thru Bolt, #10
5X-1377	1	Nut, Term. Stud, Hex., #10-32

Comm. End Head Assembly & Parts Used With

(GAS-2229)	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Felt Wick
GAS-51	2	Spring, Retaining, 3rd Brush Plate
GAS-220	1	Oil Guard
GAS-221	1	Gasket, Oil Guard
GAS-223	1	Gasket, C.E. Cover
GAS-1222	1	Cover, Comm. End
GAS-1229	1	Head Assy., Partial, C.E.
GAS-224	1	Bearing, Absorbent Bronze
GAS-2021R	1	Plate Assy., Main Brush
GAL-31	1	Lead Assy., Ground
X-958	2	Terminal
GAS-15	2	Holder, Brush
GAS-17	1	Spring, Brush, Grounded
GAS-18	1	Spring, Brush, Insulated
GAS-1021R	1	Plate, Main Brush
GEM-12‡	2	Brush, Main
8X-122	1	Screw, Grounded Brush, Fil hd., #8-32x1/2
X-1013	2	Washer, Lock, Brush Screw, #8
8X-1496	1	Screw, Ins. Brush, Bdg. hd., #8-32x7/16
GAS-2219R	1	Plate Assy., 3rd Brush
		1 2 3 4 5

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-15	1	Holder, Brush
GAS-17	1	Spring, Brush
GAS-1219R	1	Plate, 3rd Brush
GEM-13‡	1	Brush, 3rd
8X-878	1	Screw, Brush, Fil. hd., #8-32x7/16
X-1013	1	Washer, Brush Screw, Skpf., #8
8X-55	3	Screw, Brush Plate, Rd. hd., #8-32x3/8
X-195	5	Washer, Lock, Cover & Plate Screw, #8
8X-888	4	Screw, Cover, Fil. hd., #8-32x5/16

Armature Assembly & Parts Used With

GAS-2218	1	Armature Assy.
GAR-171	1	Snap Ring, D.E.
GBM-21	1	Nut, Armature Shaft
SP-383	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
X-864	1	Washer, Lock, Arm. Shaft, .669

Drive End Head Assembly & Parts Used With

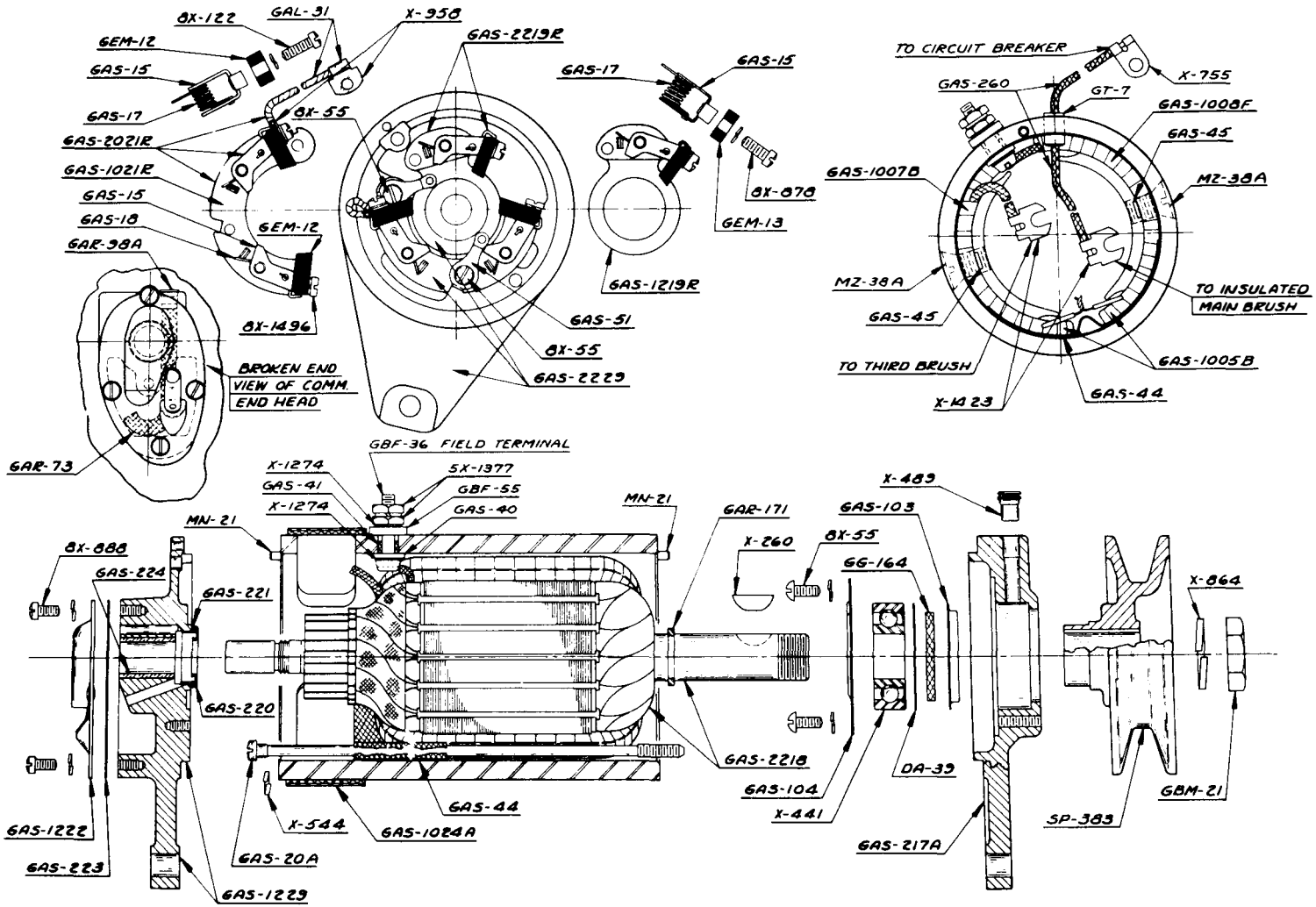
GAS-1217A	1	Head Assy., Drive End
DA-39	1	Retainer, Felt Washer, Flat
GAS-103	1	Retainer, Felt Washer, Cupped
GAS-104	1	Retainer, Bearing
GAS-217A	1	Head
GG-164	1	Washer, Felt
8X-55	3	Screw, Retainer, Rd. hd., #8-32x3/8
X-195	3	Washer, Lock, Retainer Sc., #8
X-441	1	Bearing, Ball, Shielded, S.A.E. #203
X-489	1	Oiler, Hinge Top, Press in, 1/4

Miscellaneous Parts

CB-4012	1	Relay Assy., Cutout
CB-123	1	Spring, Armature
CB-160S	1	Cover
PX-55	1	Screw, Arm. Term., Bdg. hd., #10-32x3/16
X-196	2	Washer, Lock, Term. Sc., #10
8X-312	1	Screw, Bat. Term., Rd. hd., #10-32x1/4
GAS-1024A	1	Band, Cover
X-196	2	Washer, Lock, Cutout Relay Mtg., #10
8X-321	2	Screw Mtg., Cutout Relay, Rd. hd., #10-32x5/16
X-714	1	Screw, Cover Band, Rd. hd., #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square, #10-32
		1 2 3 4 5

(Issued 3-13-44)

‡ Brush Set, Service, GEM-2012S.



GAS-4169A GENERATOR ILLUSTRATION

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-20A	2	Bolt, Thru
(GAS-2259)	1	Frame & Field Assy.
GAS-40	1	Washer, Ins., Term. Stud, Inner
GAS-41	1	Bushing, Ins., Term. Stud
GAS-44	1	Insulation, Field Connection
GAS-45	4	Holder, Field Coil
GAS-260	1	Lead Assy.
X-1423	1	Terminal
GAS-1005B	1	Coil Assy., Field, Comp.
GAS-1007B	1	Coil Assy., Field, Left
X-1423	1	Terminal
GAS-1008F	1	Coil, Field, Right
GBF-36	1	Stud, Terminal
GBF-55	1	Washer, Insulating, Term. Stud, Outer
GT-7	1	Bushing, Insulating
MN-21	2	Pin, Dowel, Head Locating
MZ-38	2	Screw, Pole Shoe
X-755	1	Terminal
X-1274	2	Washer, Skpf., Term. Stud, #10
5X-1377	1	Nut, Term. Stud, Hex., #10-32
X-196	1	Washer, Lock, Term. Stud, #10
X-544	2	Washer, Lock, Thru Bolt, #10
5X-1377	1	Nut, Term. Stud, Hex., #10-32

Comm. End Head Assembly & Parts Used With

(GAS-2229)	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Felt Wick
GAS-51	2	Spring, Retaining, 3rd Brush Plate
GAS-220	1	Oil Guard
GAS-221	1	Gasket, Oil Guard
GAS-223	1	Gasket, C.E. Cover
GAS-1222	1	Cover, Comm. End
GAS-1229	1	Head Assy., Partial, C.E.
GAS-224	1	Bearing, Absorbent Bronze
GAS-2021R	1	Plate Assy., Main Brush
GAL-31	1	Lead Assy., Ground
X-958	2	Terminal
GAS-15	2	Holder, Brush
GAS-17	1	Spring, Brush, Grounded
GAS-18	1	Spring, Brush, Insulated
GAS-1021R	1	Plate, Main Brush
GEM-12‡	2	Brush, Main
8X-122	1	Screw, Grounded Brush, Fil hd., #8-32x1/2
X-1013	2	Washer, Lock, Brush Screw, #8
8X-1496	1	Screw, Ins. Brush, Bdg. hd., #8-32x7/16
GAS-2219R	1	Plate Assy., 3rd Brush
		1 2 3 4 5

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-15	1	Holder, Brush
GAS-17	1	Spring, Brush
GAS-1219R	1	Plate, 3rd Brush
GEM-13‡	1	Brush, 3rd
8X-878	1	Screw, Brush, Fil. hd., #8-32x7/16
X-1013	1	Washer, Brush Screw, Skpf., #8
8X-55	3	Screw, Brush Plate, Rd. hd., #8-32x3/8
X-195	5	Washer, Lock, Cover & Plate Screw, #8
8X-888	4	Screw, Cover, Fil. hd., #8-32x5/16

Armature Assembly & Parts Used With

GAS-2218	1	Armature Assy.
GAR-171	1	Snap Ring, D.E.
GBM-21	1	Nut, Armature Shaft
SP-383	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
X-864	1	Washer, Lock, Arm. Shaft, .669

Drive End Head Assembly & Parts Used With

GAS-1217A	1	Head Assy., Drive End
DA-39	1	Retainer, Felt Washer, Flat
GAS-103	1	Retainer, Felt Washer, Cupped
GAS-104	1	Retainer, Bearing
GAS-217A	1	Head
GG-164	1	Washer, Felt
8X-55	3	Screw, Retainer, Rd. hd., #8-32x3/8
X-195	3	Washer, Lock, Retainer Sc., #8
X-441	1	Bearing, Ball, Shielded, S.A.E. #203
X-489	1	Oiler, Hinge Top, Press in, 1/4

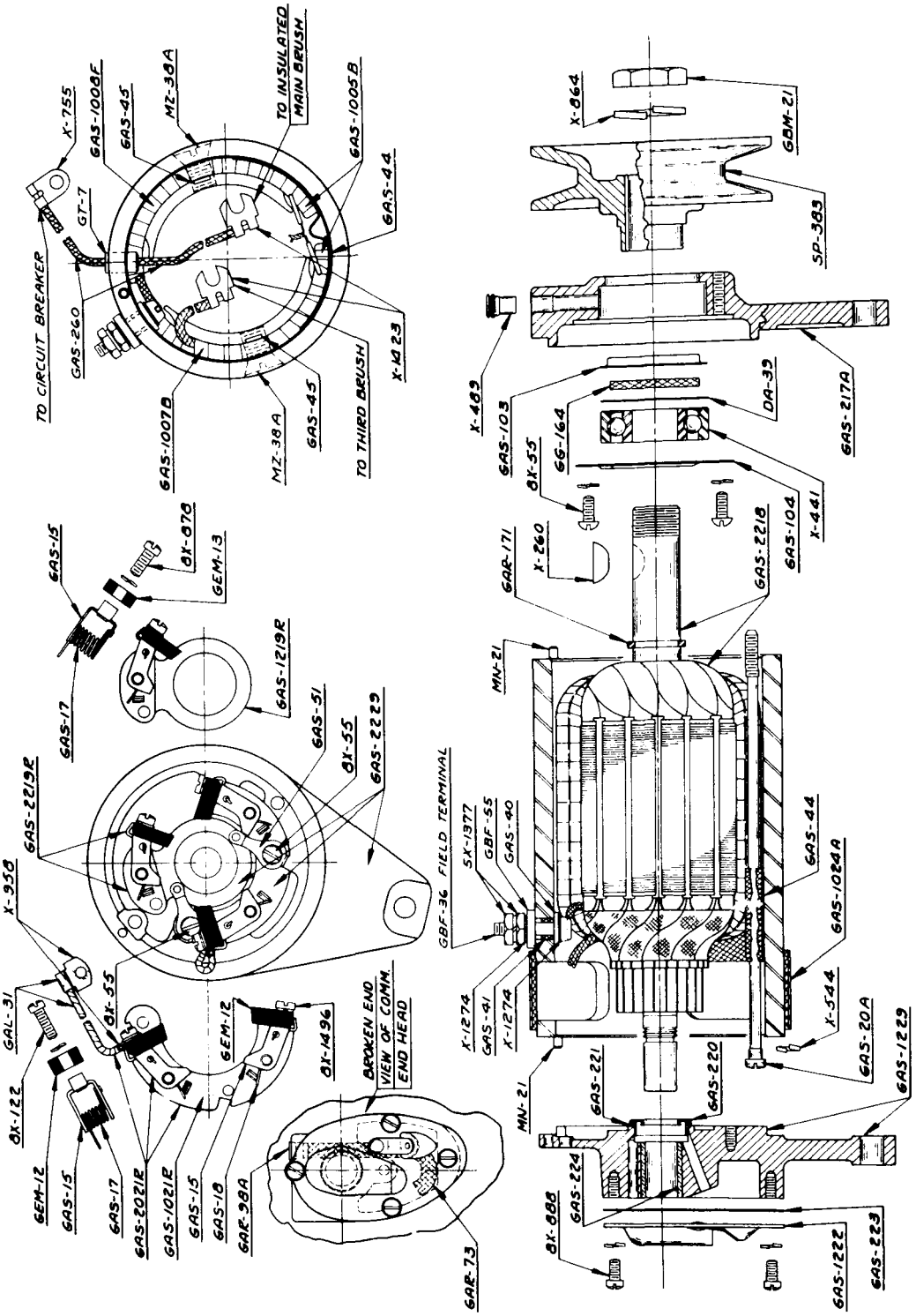
Miscellaneous Parts

CB-4012	1	Relay Assy., Cutout
CB-123	1	Spring, Armature
CB-160S	1	Cover
PX-55	1	Screw, Arm. Term., Bdg. hd., #10-32x3/16
X-196	2	Washer, Lock, Term. Sc., #10
8X-312	1	Screw, Bat. Term., Rd. hd., #10-32x1/4
GAS-1024A	1	Band. Cover
X-196	2	Washer, Lock, Cutout Relay Mtg., #10
8X-321	2	Screw Mtg., Cutout Relay, Rd. hd., #10-32x5/16
X-714	1	Screw, Cover Band, Rd. hd., #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square, #10-32
		1 2 3 4 5

(Issued 3-13-44)

‡ Brush Set, Service, GEM-2012S.

GAS-4169A GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-20A	2	Bolt, Thru
(GAS-2259)	1	Frame & Field Assy.
GAS-40	1	Washer, Ins., Term. Stud, Inner
GAS-41	1	Bushing, Ins., Term. Stud
GAS-44	1	Insulation, Field Connection
GAS-45	4	Holder, Field Coil
GAS-260	1	Lead Assy.
X-1423	1	Terminal
GAS-1005B	1	Coil Assy., Field, Comp.
GAS-1007B	1	Coil Assy., Field, Left
X-1423	1	Terminal
GAS-1008F	1	Coil, Field, Right
GBF-36	1	Stud, Terminal
GBF-55	1	Washer, Insulating, Term. Stud, Outer
GT-7	1	Bushing, Insulating
MN-21	2	Pin, Dowel, Head Locating
MZ-38	2	Screw, Pole Shoe
X-755	1	Terminal
X-1274	2	Washer, Skpf., Term. Stud, #10
5X-1377	1	Nut, Term. Stud, Hex., #10-32
X-196	1	Washer, Lock, Term. Stud, #10
X-544	2	Washer, Lock, Thru Bolt, #10
5X-1377	1	Nut, Term. Stud, Hex., #10-32

Comm. End Head Assembly & Parts Used With

(GAS-2229)	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Felt Wick
GAS-51	2	Spring, Retaining, 3rd Brush Plate
GAS-220	1	Oil Guard
GAS-221	1	Gasket, Oil Guard
GAS-223	1	Gasket, C.E. Cover
GAS-1222	1	Cover, Comm. End
GAS-1229	1	Head Assy., Partial, C.E.
GAS-224	1	Bearing, Absorbent Bronze
GAS-2021R	1	Plate Assy., Main Brush
GAL-31	1	Lead Assy., Ground
X-958	2	Terminal
GAS-15	2	Holder, Brush
GAS-17	1	Spring, Brush, Grounded
GAS-18	1	Spring, Brush, Insulated
GAS-1021R	1	Plate, Main Brush
GEM-12‡	2	Brush, Main
8X-122	1	Screw, Grounded Brush, Fil hd., #8-32x1/2
X-1013	2	Washer, Lock, Brush Screw, #8
8X-1496	1	Screw, Ins. Brush, Bdg. hd., #8-32x7/16
GAS-2219R	1	Plate Assy., 3rd Brush
		1 2 3 4 5

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-15	1	Holder, Brush
GAS-17	1	Spring, Brush
GAS-1219R	1	Plate, 3rd Brush
GEM-13‡	1	Brush, 3rd
8X-878	1	Screw, Brush, Fil. hd., #8-32x7/16
X-1013	1	Washer, Brush Screw, Skpf., #8
8X-55	3	Screw, Brush Plate, Rd. hd., #8-32x3/8
X-195	5	Washer, Lock, Cover & Plate Screw, #8
8X-888	4	Screw, Cover, Fil. hd., #8-32x5/16

Armature Assembly & Parts Used With

GAS-2218	1	Armature Assy.
GAR-171	1	Snap Ring, D.E.
GBM-21	1	Nut, Armature Shaft
SP-383	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
X-864	1	Washer, Lock, Arm. Shaft, .669

Drive End Head Assembly & Parts Used With

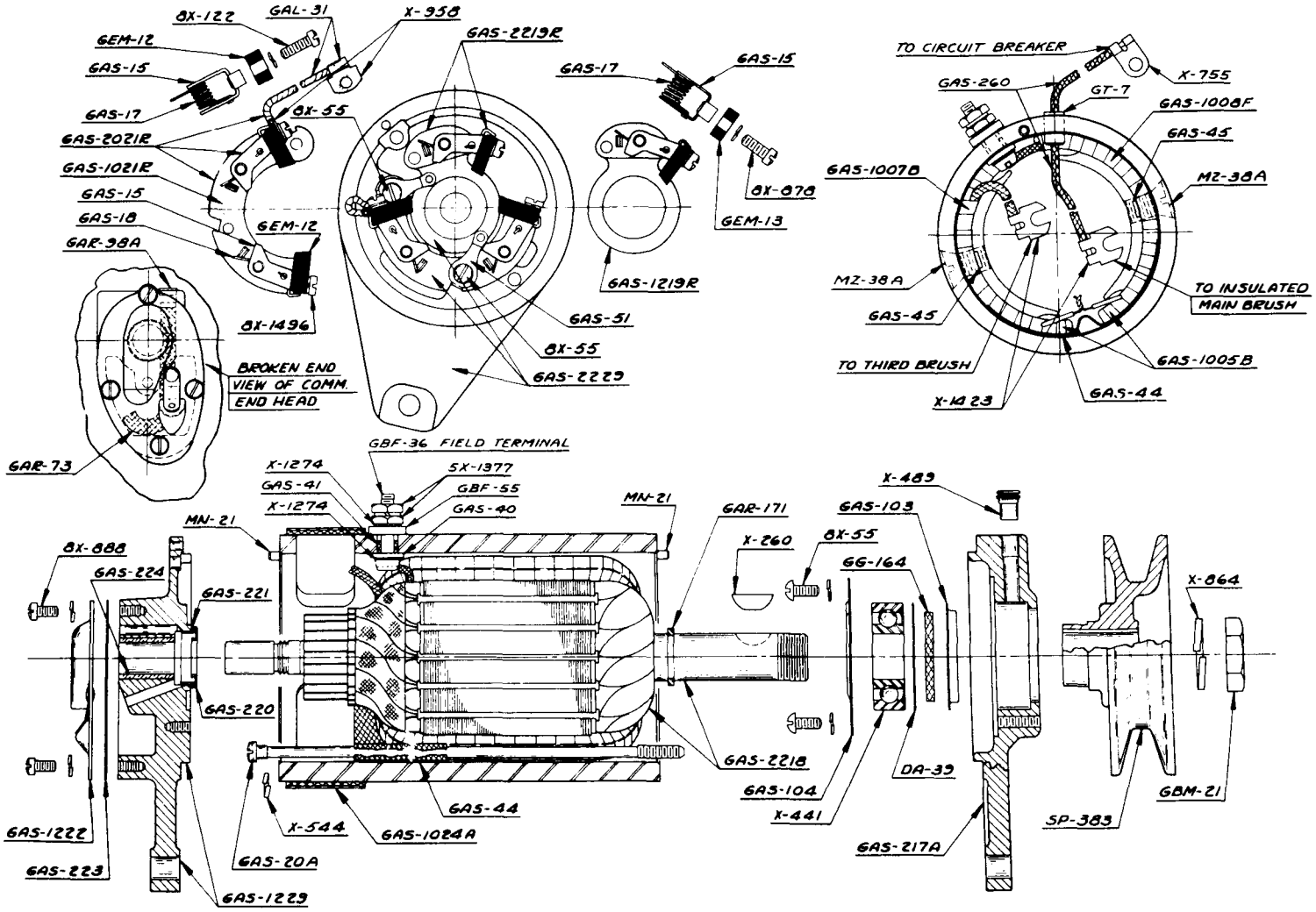
GAS-1217A	1	Head Assy., Drive End
DA-39	1	Retainer, Felt Washer, Flat
GAS-103	1	Retainer, Felt Washer, Cupped
GAS-104	1	Retainer, Bearing
GAS-217A	1	Head
GG-164	1	Washer, Felt
8X-55	3	Screw, Retainer, Rd. hd., #8-32x3/8
X-195	3	Washer, Lock, Retainer Sc., #8
X-441	1	Bearing, Ball, Shielded, S.A.E. #203
X-489	1	Oiler, Hinge Top, Press in, 1/4

Miscellaneous Parts

CB-4012	1	Relay Assy., Cutout
CB-123	1	Spring, Armature
CB-160S	1	Cover
PX-55	1	Screw, Arm. Term., Bdg. hd., #10-32x3/16
X-196	2	Washer, Lock, Term. Sc., #10
8X-312	1	Screw, Bat. Term., Rd. hd., #10-32x1/4
GAS-1024A	1	Band, Cover
X-196	2	Washer, Lock, Cutout Relay Mtg., #10
8X-321	2	Screw Mtg., Cutout Relay, Rd. hd., #10-32x5/16
X-714	1	Screw, Cover Band, Rd. hd., #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square, #10-32
		1 2 3 4 5

(Issued 3-13-44)

‡ Brush Set, Service, GEM-2012S.



GAS-4169A GENERATOR ILLUSTRATION

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GAS-20A	2	Bolt, Thru
(GAS-3192A)	1	Frame & Field Assy.
GAS-40	1	Washer, Ins., Term. Stud, Inner
GAS-41	1	Bushing, Ins., Term. Stud
GAS-44	1	Insulation, Field Connection
GAS-45	4	Holder, Field Coil
GAS-47	1	Lead Assembly
GBF-36	1	Stud, Term., #10-32
X-1423	1	Terminal
GAS-2005	1	COIL ASSY., FIELD, COMPLETE
GAS-1007A	1	Coil Assy., Field, Left
X-1424	1	Terminal
GAS-1008A	1	Coil Assy., Field, Right
X-959	1	Terminal
GBF-55	1	Washer, Ins., Term. Stud, Outer
MN-21	2	Pin, Dowel
MZ-38A	2	Screw, Pole Shoe
X-140	1	Nut, Grd. Sc., Hex. #6-32
X-1274	2	Washer, Term. Stud, Skpf. #10
X-1275	1	Washer, Grd. Sc., Skpf. #8
8X-1350	1	Screw, Field Grd., Flat Hd. #6-32x7/16
5X-1377	1	Nut, Term. Stud, Hex. #10-32
X-196	3	Lockwasher, Term., Stud & Thru Bolt #10
5X-1377	1	Nut, Term. Stud, Hex. #10-32

Comm. End Head Assembly & Parts Used With

GAS-69A	1	Cover, Comm. End
GAS-70	1	Gasket, C.E. Cover
GAS-71	1	Washer, Brg. Retaining Sc.
GAS-77	1	Washer, Felt
GAS-78	1	Retainer, Felt Washer
GAS-3191	1	Head Assy., Comm. End
GAS-51	2	Spring, Retaining, 3rd Brush Plate
GAS-191	1	Head, Comm. End
GAS-2021L	1	Plate Assy., Main Brush
GAL-31	1	Lead Assy., Ground
X-958	2	Terminal
GAS-15	2	Holder, Brush
GAS-17	1	Spring, Brush, Insulated
GAS-18	1	Spring, Brush, Grounded
GAS-1021L	1	Plate, Main Brush
GEM-12†	2	Brush
8X-122	2	Screw, Br. Holder, Fill. Hd. #8-32x1/2
X-195	2	Lockwasher, Holder Sc., #8

Comm. End Head Assembly (Cont'd.)

Part No.	No. Used	Name of Part
GAS-2072LA	1	Plate Assy., 3rd. Brush
GAS-15	1	Holder, Brush
GAS-18	1	Spring, Brush
GAS-1072LA	1	Plate, 3rd Brush
GEM-13†	1	Brush
X-195	1	Lockwasher, Holder Sc., #8
8X-878	1	Screw, Br. Holder, Fill. Hd. #8-32x7/16
8X-55	3	Screw, Br. Plate, Rd. Hd. #8-32x3/8
X-195	1	Lockwasher, Plate Sc., #8
X-489	1	Oiler
IA-175	1	Washer, Plain, Felt Retaining
8X-61	1	Screw, Brg. Retaining, Flat Hd. #10-32x7/16
X-63	3	Screw, Cover, Flat Hd. #8-32x3/8
X-293	1	BEARING, BALL, S.A.E.#201

Armature Assembly & Parts Used With

GAS-3273S	1	ARMATURE ASSY.
GAS-53	1	Snap Ring, D.E.
GDE-45	1	Nut, Arm. Shaft
IA-158	1	Snap Ring, C.E.
X-1277	1	Washer, Shaft, Skpf. D.E.
X-1460A	1	Key, Woodruff, #212
8X-1645	1	Nut, Arm. Shaft, D.E.

Drive End Head Assembly & Parts Used With

GAS-1193	1	Head Assy., Drive End
DB-13	1	Retainer, Felt Washer, Flat
GAS-73	1	Retainer, Felt Washer, Cupped
GAS-74	1	Retainer, Bearing
GAS-193	1	Head, Drive End
IGP-34	1	Wick, Felt
SC-127	1	Washer, Felt
8X-55	3	Screw, Brg. Retainer, Rd. Hd. #8-32x3/8
X-195	3	Lockwasher, Retainer Sc., #8
X-294	1	BEARING, BALL, S.A.E. #202
X-489	1	Oiler

(Continued on Reverse Side)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GAS-4172-1 GENERATOR PARTS (Cont'd.)

Miscellaneous Parts

Part No.	No. Used	Name of Part
CB-4014	1	RELAY ASSY., CUTOUT
CB-123	1	Spring, Armature
CB-160S	1	Cover, Relay
PX-55	1	Screw, Arm. Term., Bdg. Hd. #10-32x3/16
12X-196	2	Lockwasher, Term. Sc., #10
8X-312	1	Screw, Bat. Term. Rd. Hd. #10-32x1/4
DG-107	1	Lead Assembly
X-755	2	Terminal
GAS-87	2	Spacer, Relay Mtg.
GAS-1024A	1	Band, Cover
X-196	2	Lockwasher, Mtg. Sc., #10
8X-311	2	Screw, Relay Mtg., Rd. Hd. #10-32x3/8
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover, Band, Square #10-32

† BRUSH SET, SERVICE GEM-2012S.

UNIT	APPLICATION
GAS-4172-1	Indian Motocycle, Wyse Laboratories

(Issued 3-24-50)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GAS-20A	2	Bolt, Thru
(GAS-2206)	1	Frame & Field Assy.
GAS-40	2	Washer, Ins., Term. Stud, Inner
GAS-41	2	Bushing, Ins., Term. Stud
GAS-44	1	Insulation, Field Connection
GAS-45	4	Holder, Field Coil
GAS-81	1	Lead Assembly
GBF-36	1	Stud, Terminal
X-1423	1	Terminal
GAS-2005H	1	COIL ASSY., FIELD, COMPLETE
GAS-1007B	1	Coil Assy., Field, Left
X-1423	1	Terminal
GAS-1008G	1	Coil, Field, Right
GBF-36	1	Stud, Terminal
GBF-55	2	Washer, Ins., Term. Stud, Outer
MN-21	2	Pin, Dowel
MZ-38A	2	Screw, Pole Shoe
X-196	2	Lockwasher, Term. Stud, #10
X-1274	4	Washer,Term. Stud, Skpf.#10
8X-1377	4	Nut, Term. Stud, Hex. #10-32
X-196	3	Lockwasher,Grd. Sc. & Thru Bolt, #10
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

GAS-69A	1	Cover, Comm. End
GAS-70	1	Gasket, C.E. Cover
GAS-71	1	Washer, Bearing Retaining Sc.
GAS-77	1	Washer, Felt
GAS-78	1	Retainer, Felt Washer
GAS-2079	1	Head Assy., Comm. End
GAS-51	2	Spring, Retaining, 3rd. Brush Plate
GAS-79B	1	Head, Comm. End
GAS-2021R	1	Plate Assy., Main Brush
GAL-31	1	Lead Assy., Ground
X-958	2	Terminal
GAS-15	2	Holder, Brush
GAS-17	1	Spring, Brush, Grounded
GAS-18	1	Spring, Brush, Insulated
GAS-1021R	1	Plate, Main Brush
GEM-12 †	2	Brush, Main
8X-122	1	Screw, Grounded Brush, Fill. Hd. #8-32x1/2
X-195	2	Lockwasher, Brush Sc.,#8
8X-1496	1	Screw, Ins. Brush, Bdg. Hd. #8-32x7/16
GAS-2082R	1	Plate Assy., 3rd Brush

Comm. End Head Assy. (Cont'd.)

Part No.	No. Used	Name of Part
GAS-15	1	Holder, Brush
GAS-17	1	Spring, Brush
GAS-1082R	1	Plate, 3rd. Brush
GEM-13†	1	Brush, Third
X-195	1	Lockwasher, Brush Sc.,#8
8X-1496	1	Screw, Brush, Bdg. Hd. #8-32x7/16
8X-55	3	Screw, Br. Plate, Rd. Hd. #8-32x3/8
X-195	1	Lockwasher, Plate Sc., #8
X-489	1	Oiler
IA-175	1	Washer, Plain, Felt Retaining
8X-61	1	Screw, Brg. Retaining, Flat Hd. #10-32x7/16
X-63	3	Screw, Cover, Flat Hd. #8-32x3/8
X-293	1	BEARING, BALL, S.A.E. #201

Armature Assembly & Parts Used With

GAS-2076	1	ARMATURE ASSY.
GAS-53	1	Snap Ring, D.E.
IA-158	1	Snap Ring, C.E.
SP-90	1	Pulley, Drive
X-160	1	Nut, Arm. Shaft, D.E.
X-1278	1	Washer, Shaft, D.E., Skpf. 7/16
X-1460A	1	Key, Woodruff, D.E., #212

Drive End Head Assembly & Parts Used With

GAS-1075E	1	Head Assy., Drive End
DB-13	1	Retainer, Felt Washer, Flat
GAS-73	1	Retainer, Felt Washer, Cupped
GAS-74	1	Retainer, Bearing
GAS-75B	1	Head
IGP-34	1	Wick, Felt
SC-127	1	Washer, Felt
8X-55	3	Screw, Retainer, Rd. Hd. #8-32x3/8
X-195	3	Lockwasher, Retainer Sc., #8
X-294	1	BEARING, BALL, S.A.E. #202
X-489	1	Oiler

Miscellaneous Parts

GAS-1024F	1	Band, Cover
X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GEM-2012S.

NOTE: TC-4317A TWO CHARGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GAS-4173A	Buda

(Issued 3-27-50)

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GAS-20A	2	Bolt, Thru
(GAS-2276)	1	Frame & Field Assy.
GAS-44	1	Insulation, Field Connection
GAS-45	4	Holder, Field Coil
GAS-86	1	Lead Assembly
X-1423	1	Terminal
GAS-121	1	Bushing, Insulating
GAS-2005D	1	COIL ASSY., FIELD, COMPLETE
GAS-1007B	1	Coil Assy., Field, Left
X-1423	1	Terminal
GAS-1008C	1	Coil, Field, Right
MN-21	2	Pin, Dowel
MZ-38A	2	Screw, Pole Shoe
X-755	2	Terminal
12X-196	2	Lockwasher, Thru Bolt, #10

Comm. End Head Assembly & Parts Used With

GAS-69A	1	Cover, Comm. End
GAS-70	1	Gasket, C.E. Cover
GAS-71	1	Washer, Bearing Retaining Sc.
GAS-77	1	Washer, Felt
GAS-78	1	Retainer, Felt Washer
GAS-2079	1	Head Assy., Comm. End
GAS-51	2	Spring, Retaining, 3rd. Brush Plate
GAS-79B	1	Head, Comm. End
GAS-2021R	1	Plate Assy., Main Brush
GAL-31	1	Lead Assy., Ground
X-958	2	Terminal
GAS-15	2	Holder, Brush
GAS-17	1	Spring, Brush, Grounded
GAS-18	1	Spring, Brush, Insulated
GAS-1021R	1	Plate, Main Brush
GEM-12 †	2	Brush, Main
8X-122	1	Screw, Grounded Brush, Fill. Hd. #8-32x1/2
X-195	2	Lockwasher, Brush Sc.,#8
8X-1496	1	Screw, Ins. Brush, Bdg. Hd. #8-32x7/16
GAS-2082R	1	Plate Assy., 3rd. Brush
GAS-15	1	Holder, Brush
GAS-17	1	Spring, Brush
GAS-1082R	1	Plate, 3rd. Brush
GEM-13 †	1	Brush, Third
X-195	1	Lockwasher, Brush Sc.,#8
8X-1496	1	Screw, Brush, Bdg. Hd. #8-32x7/16
8X-55	3	Screw, Br. Plate, Rd. Hd. #8-32x3/8
X-195	1	Lockwasher, Plate Sc., #8
X-489	1	Oiler

Comm. End Head Assembly (Cont'd.)

Part No.	No. Used	Name of Part
IA-175	1	Washer, Plain, Felt Retaining
8X-61	1	Screw, Brg. Retaining, Flat Hd. #10-32x7/16
X-63	3	Screw, Cover, Flat Hd. #8-32x3/8
X-293	1	BEARING, BALL, S.A.E. #201

Armature Assembly & Parts Used With

GAS-2076	1	ARMATURE ASSY.
GAS-53	1	Snap Ring, D.E.
IA-158	1	Snap Ring, C.E.
X-160	1	Nut, Shaft, D.E., Hex. 7/16-20
X-1278	1	Washer, Shaft, D.E., Skpf. 7/16
X-1460A	1	Key, Woodruff, #212

Drive End Head Assembly & Parts Used With

GAS-1075C	1	Head Assy., Drive End
DB-13	1	Retainer, Felt Washer, Flat
GAS-73	1	Retainer, Felt Washer, Cupped
GAS-74	1	Retainer, Bearing
GAS-75A	1	Head, Drive End
IGP-34	1	Wick, Felt
SC-127	1	Washer, Felt
8X-55	3	Screw, Retainer, Rd. Hd. #8-32x3/8
X-195	3	Lockwasher, Retainer Sc., #8
X-489	1	Oiler
X-1470	1	BEARING, BALL, SHIELDED S.A.E. #202

Miscellaneous Parts

GAS-168	2	Spacer, Reg. Mtg.
GAS-1024F	1	Band, Cover
TC-4301C	1	REGULATOR, TWO CHARGE
12X-196	4	Lockwasher, Reg. Mtg. Sc.,#10
8X-311	4	Screw, Regulator Mtg., Rd. Hd. #10-32x3/8
X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GEM-2012S.

UNIT	APPLICATION
GAS-4175	Fairmont Rwy.

(Issued 3-28-50)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GAS-20A	2	Bolt, Thru
(GAS-2276)	1	Frame & Field Assy.
GAS-44	1	Insulation, Field Connection
GAS-45	4	Holder, Field Coil
GAS-86	1	Lead Assembly
X-1423	1	Terminal
GAS-121	1	Bushing, Insulating
GAS-2005D	1	COIL ASSY., FIELD, COMPLETE
GAS-1007B	1	Coil Assy., Field, Left
X-1423	1	Terminal
GAS-1008C	1	Coil, Field, Right
MN-21	2	Pin, Dowel
MZ-38A	2	Screw, Pole Shoe
X-755	2	Terminal
12X-196	2	Lockwasher, Thru Bolt, #10

Comm. End Head Assembly & Parts Used With

GAS-69A	1	Cover, Comm. End
GAS-70	1	Gasket, C.E. Cover
GAS-71	1	Washer, Bearing Retaining Sc.
GAS-77	1	Washer, Felt
GAS-78	1	Retainer, Felt Washer
GAS-2079	1	Head Assy., Comm. End
GAS-51	2	Spring, Retaining, 3rd. Brush Plate
GAS-79B	1	Head, Comm. End
GAS-2021R	1	Plate Assy., Main Brush
GAL-31	1	Lead Assy., Ground
X-958	2	Terminal
GAS-15	2	Holder, Brush
GAS-17	1	Spring, Brush, Grounded
GAS-18	1	Spring, Brush, Insulated
GAS-1021R	1	Plate, Main Brush
GEM-12 †	2	Brush, Main
8X-122	1	Screw, Grounded Brush, Fill. Hd. #8-32x1/2
X-195	2	Lockwasher, Brush Sc.,#8
8X-1496	1	Screw, Ins. Brush, Bdg. Hd. #8-32x7/16
GAS-2082R	1	Plate Assy., 3rd. Brush
GAS-15	1	Holder, Brush
GAS-17	1	Spring, Brush
GAS-1082R	1	Plate, 3rd. Brush
GEM-13 †	1	Brush, Third
X-195	1	Lockwasher, Brush Sc.,#8
8X-1496	1	Screw, Brush, Bdg. Hd. #8-32x7/16
8X-55	3	Screw, Br. Plate, Rd. Hd. #8-32x3/8
X-195	1	Lockwasher, Plate Sc., #8
X-489	1	Oiler
IA-175	1	Washer, Plain, Felt Retaining

Comm. End Head Assembly (Cont'd.)

Part No.	No. Used	Name of Part
8X-61	1	Screw, Brg. Retaining, Flat Hd. #10-32x7/16
X-63	3	Screw, Cover, Flat Hd. #8-32x3/8
X-293	1	BEARING, BALL, S.A.E. #201

Armature Assembly & Parts Used With

GAS-2076	1	ARMATURE ASSY.
GAS-53	1	Snap Ring, D.E.
IA-158	1	Snap Ring, C.E.
X-160	1	Nut, Shaft, D.E., Hex. 7/16-20
X-1278	1	Washer, Shaft, D.E., Skpf. 7/16
X-1460A	1	Key, Woodruff, #212

Drive End Head Assembly & Parts Used With

GAS-1075C	1	Head Assy., Drive End
DB-13	1	Retainer, Felt Washer, Flat
GAS-73	1	Retainer, Felt Washer, Cupped
GAS-74	1	Retainer, Bearing
GAS-75A	1	Head, Drive End
IGP-34	1	Wick, Felt
SC-127	1	Washer, Felt
8X-55	3	Screw, Retainer, Rd. Hd. #8-32x3/8
X-195	3	Lockwasher, Retainer Sc.,#8
X-489	1	Oiler
X-1470	1	BEARING, BALL, SHIELDED S.A.E. #202

Miscellaneous Parts

GAS-168	2	Spacer, Reg. Mtg.
GAS-1024F	1	Band, Cover
TC-4302A	1	REGULATOR, TWO CHARGE
12X-196	4	Lockwasher, Reg. Mtg. Sc.,#10
8X-311	4	Screw, Regulator Mtg., Rd. Hd. #10-32x3/8
X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GEM-2012S.

UNIT	APPLICATION
GAS-4176	Hercules, U.S. Motors

(Issued 3-28-50)

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GAS-20A	2	Bolt, Thru
(GAS-2167)	1	Frame & Field Assy.
GAS-44	1	Insulation, Field Connection
GAS-45	4	Holder, Field Coil
GAS-86	1	Lead Assembly
X-1423	1	Terminal
GAS-121	1	Bushing, Insulating
GAS-2005D	1	COIL ASSY., FIELD, COMP.
GAS-1007B	1	Coil Assy., Field, Left
X-1423	1	Terminal
GAS-1008C	1	Coil, Field, Right
MN-21	2	Pin, Dowel
MZ-38A	2	Screw, Pole Shoe
X-755	2	Terminal
12X-196	2	Lockwasher, Thru Bolt, #10

Comm. End Head Assembly & Parts Used With

GAS-69A	1	Cover, Comm. End
GAS-70	1	Gasket, C.E. Cover
GAS-71	1	Washer, Bearing Retaining Sc.
GAS-77	1	Washer, Felt
GAS-78	1	Retainer, Felt Washer
GAS-2226	1	Head Assy., Comm. End
GAS-51	2	Spring, Retaining, 3rd. Brush Plate
GAS-226	1	Head, Comm. End
GAS-2021R	1	Plate Assy., Main Brush
GAL-31	1	Lead Assy., Ground
X-958	2	Terminal
GAS-15	2	Holder, Brush
GAS-17	1	Spring, Brush, Grounded
GAS-18	1	Spring, Brush, Insulated
GAS-1021R	1	Plate, Main Brush
GEM-12 †	2	Brush, Main
8X-122	1	Screw, Grounded Brush, Fill. Hd., #8-32x1/2
X-195	2	Lockwasher, Brush Sc., #8
8X-1496	1	Screw, Ins. Brush, Bdg. Hd. #8-32x7/16
GAS-2082R	1	Plate Assy., 3rd Brush
GAS-15	1	Holder, Brush
GAS-17	1	Spring, Brush
GAS-1082R	1	Plate, 3rd Brush
GEM-13 †	1	Brush, Third
X-195	1	Lockwasher, Brush Sc., #8
8X-1496	1	Screw, Brush, Bdg. Hd. #8-32x7/16
8X-55	3	Screw, Br. Plate, Rd. Hd. #8-32x3/8

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
X-195	1	Lockwasher, Plate Sc., #8
X-489	1	Oiler
IA-175	1	Washer, Plain, Felt Retaining
8X-61	1	Screw, Bearing Retaining, Flat Hd. #10-32x7/16
X-63	3	Screw, C.E. Cover, Flat Hd. #8-32x3/8
X-293	1	BEARING, BALL, S.A.E. #201

Armature Assembly & Parts Used With

GAS-2227	1	ARMATURE ASSY.
GAS-53	1	Snap Ring, D.E.
IA-158	1	Snap Ring, C.E.
*	1	Pulley, Drive
X-160	1	Nut, Shaft, D.E., Hex. 7/16-20
X-1278	1	Washer, Shaft, D.E., Skpf. 5/16
X-1460A	1	Key, Woodruff, #212

Drive End Head Assembly & Parts Used With

GAS-1228	1	Head Assy., Drive End
DB-13	1	Retainer, Felt Washer, Flat
GAS-73	1	Retainer, Felt Washer, Cupped
GAS-228	1	Head, Drive End
GEM-74	1	Retainer, Bearing
IGP-34	1	Wick, Felt
SC-127	1	Washer, Felt
8X-55	3	Screw, Brg. Retainer, Rd. Hd. #8-32x3/8
X-195	3	Lockwasher, Retainer Sc., #8
X-294	1	BEARING, BALL, S.A.E. #202
X-489	1	Oiler

Miscellaneous Parts

GAS-168	2	Spacer, Reg. Mtg.
GAS-24F	1	Band, Cover
TC-4327A	1	REGULATOR, TWO CHARGE
12X-196	4	Lockwasher, Reg. Mtg. Sc., #10
8X-311	4	Screw, Reg. Mtg., Rd. Hd. #10-32x3/8
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

Assembly No.	Pulley
GAS-4177	None
GAS-4177A	SP-423

* See table following parts list for part number applying to assembly wanted.

† BRUSH SET, SERVICE GEM-2012S.

UNIT	APPLICATION
GAS-4177,A	Wisconsin

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GAS-20A	2	Bolt, Thru
(GAS-2167)	1	Frame & Field Assy.
GAS-44	1	Insulation, Field Conn.
GAS-45	4	Holder, Field Coil
GAS-86	1	Lead Assy.
X-1423	1	Terminal
GAS-121	1	Bushing, Insulating
GAS-2005D	1	COIL ASSY., FIELD, COMP.
GAS-1007B	1	Coil Assy., Field, Left
X-1423	1	Terminal
GAS-1008C	1	Coil, Field, Right
MN-21	2	Pin, Dowel
MZ-38A	2	Screw, Pole Shoe
X-755	2	Terminal
12X-544	2	Lockwasher, Thru Bolt, #10

Comm. End Head Assembly & Parts Used With

GAS-2174A	1	Head Assy., Comm. End
GAS-51	2	Spring, Retaining, 3rd. Brush Plate
GAS-281	1	Wick, Felt
GAS-1174	1	Head Assy., Partial, C.E.
GAS-49	1	BEARING, ABSORBENT BRONZE
GAS-2021RA	1	Plate Assy., Main Brush
GAL-31	1	Lead Assy., Ground
X-958	2	Terminal
GAS-12 †	2	Brush, Main
GAS-15	2	Holder, Brush
GAS-17	1	Spring, Brush, Grounded
GAS-18	1	Spring, Brush, Insulated
GAS-1021R	1	Plate, Main Brush
8X-122	1	Screw, Grounded Brush Fill. Hd. #8-32x1/2
12X-195	2	Lockwasher, Brush Sc.#8
8X-1496	1	Screw, Insulated Brush, Bdg. Hd., #8-32x7/16
GAS-2126A	1	Plate Assy., 3rd Brush
GAS-13†	1	Brush, Third
GAS-15	1	Holder, Brush
GAS-17	1	Spring, Brush
GAS-1126	1	Plate, 3rd Brush
12X-195	1	Lockwasher, Brush Sc.#8
8X-878	1	Screw, Third Brush, Fill Hd., #8-32x7/16
IG-515A	1	Spring, Felt Wick
8X-55	3	Screw, Rd. Hd. #8-32x3/8
12X-195	1	Lockwasher, #8
X-1275	1	Washer, Felt Wick
X-1573	1	Oiler, Press in Type, 3/8

Armature Assembly & Parts Used With

GAS-1176	1	Oil Thrower
GAS-2175	1	ARMATURE
GK-174A	1	Washer, Plain, 1/2
X-263	1	Key, Woodruff, #8

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
X-404	1	Pin, Cotter, 3/32x1
X-835	1	Nut, Armature Shaft Slotted, 1/2-20

Drive End Head Assembly & Parts Used With

GAS-1232	1	Head Assy., Drive End
GAS-177	1	Retainer, Bearing
GAS-232	1	Head
8X-63	3	Screw, Flat Hd., #8-32x3/8
X-378	1	BEARING, BALL SHIELDED S.A.E. #204

Dist. Mounting Housing & Parts Used With

GAG-58	1	Dist. Mounting Housing Clamp
GE-61	1	GEAR, DIST., DRIVER
GT-121B	1	Housing, Mounting, Dist.
GW-19	1	Cover, Bearing, C.E.
SW-213	1	Rivet
8X-53	1	Screw, Clamp, Dist. Housing, Rd. Hd., #8-32x5/8
8X-141	1	Nut, Dist. Housing Clamp Sc., Hex., #8-32
X-380	1	Cup, Grease, 1/8 Pipe
12X-544	3	Lockwasher, Dist. Housing Sc. #10
8X-900	3	Screw, Attaching, Dist. Housing, Fill. Hd. #10-32x7/8

Miscellaneous Parts

GAS-168	2	Spacer, Reg. Mtg.
GAS-1024A	1	Band, Head
TC-4329C	1	TWO CHARGE REGULATOR
12X-196	4	Lockwasher, Regulator Mtg., #10
8X-311	4	Screw, Mounting Reg., Rd. Hd. #10-32x3/8
X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square, #10-32

† BRUSH SET, SERVICE GAS-2012.

UNIT	APPLICATION
GAS-4179-3	Wisconsin, Hyster Co. Lewis Sheppard

(Issued 8-24-48)

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GAS-4181A GENERATOR PARTS LIST GAS-4181A

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GAS-20A	2	Bolt, Thru
(GAS-2310)	1	Frame & Field Assy.
GAS-44	1	Insulation, Field Connection
GAS-45	4	Holder, Field Coil
GAS-86	1	Lead Assy.
X-1423	1	Terminal
GAS-121	1	Bushing, Insulating
GAS-2005D	1	COIL ASSY., FIELD, COMPLETE
GAS-1007B	1	Coil Assy., Field, Left
X-1423	1	Terminal
GAS-1008C	1	Coil, Field, Right
MN-21	2	Pin, Dowel
MZ-38A	2	Screw, Pole Shoe
X-755	2	Terminal
12X-196	2	Lockwasher, Thru Bolt, #10

Comm. End Head Assembly & Parts Used With

GAS-69A	1	Cover, Comm. End
GAS-70	1	Gasket, C.E. Cover
GAS-71	1	Washer, Bearing Retaining Sc.
GAS-77	1	Washer, Felt
GAS-78	1	Retainer, Felt Washer
GAS-2079G	1	Head Assy., Comm. End
GAS-51	2	Spring, Retaining, 3rd Brush Plate
GAS-79B	1	Head, Comm. End
GAS-2021R	1	Plate Assy., Main Brush
GAL-31	1	Lead Assy., Ground
X-958	2	Terminal
GAS-15	2	Holder, Brush
GAS-17	1	Spring, Brush, Grounded
GAS-18	1	Spring, Brush, Insulated
GAS-1021R	1	Plate, Main Brush
GEM-12 †	2	Brush, Main
8X-122	1	Screw, Grounded Brush, Fill. Hd. #8-32x1/2
X-195	2	Lockwasher, Brush Sc.,#8
8X-1496	1	Screw, Ins. Brush, Bdg. Hd. #8-32x7/16
GAS-2082R	1	Plate Assy., 3rd Brush
GAS-15	1	Holder, Brush
GAS-17	1	Spring, Brush
GAS-1082R	1	Plate, 3rd Brush
GEM-13†	1	Brush
X-195	1	Lockwasher, Brush Screw, #8
8X-1496	1	Screw, Brush, Bdg. Hd. #8-32x7/16
8X-55	3	Screw, Brush Plate, Rd. Hd. #8-32x3/8

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
X-195	1	Lockwasher, Plate Sc., #8
X-386	1	Oiler
IA-175	1	Washer, Plain, Felt Retaining
8X-61	1	Screw, Brg. Retaining, Flat Hd. #10-32x7/16
X-63	3	Screw, Cover, Flat Hd. #8-32x3/8
X-293	1	BEARING, BALL, S.A.E. #201

Armature Assembly & Parts Used With

GAS-308	1	Snap Ring, Arm Shaft, D.E.
GAS-2309	1	ARMATURE ASSEMBLY
GAS-53	1	Snap Ring, D.E.
IA-158	1	Snap Ring, C.E.
SP-718	1	Pulley, Drive

Drive End Head Assembly & Parts Used With

GAS-1075E	1	Head Assy., Drive End
DB-13	1	Retainer, Felt Washer, Flat
GAS-73	1	Retainer, Felt Washer, Cupped
GAS-74	1	Retainer, Bearing
GAS-75B	1	Head, Drive End
IGP-34	1	Wick, Felt
SC-127	1	Washer, Felt
8X-55	3	Screw, Brg. Retainer, Rd. Hd. #8-32x3/8
X-195	3	Lockwasher, Retainer Sc., #8
X-294	1	BEARING, BALL, S.A.E. #202
X-489	1	Oiler

Miscellaneous Parts

GAS-1235A	1	Band, Cover
TC-4301F	1	REGULATOR, TWO CHARGE
X-118	1	Screw, Cover Band, Fill. Hd. #10-32x3/4
12X-196	4	Lockwasher, Reg. Mtg. Sc., #10
8X-309	1	Screw, Reg. Mtg., Rd. Hd. #10-32x1/2
8X-321	3	Screw, Reg. Mtg., Rd. Hd. #10-32x5/16

† BRUSH SET, SERVICE, GEM-2012S.

UNIT	APPLICATION
GAS-4181A	Cleveland Tractor Co.

(Issued 6-24-49)

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-20A	2	Bolt, Thru
(GAS-2167)	1	Frame & Field Assy.
GAS-44	1	Insulation, Field Connection
GAS-45	4	Holder, Field Coil
GAS-86	1	Lead Assy.
X-1423	1	Terminal
GAS-121	1	Bushing, Insulating
GAS-2005D	1	Coil Assy., Field, Comp.
GAS-1007B	1	Coil Assy., Field, Left
X-1423	1	Terminal
GAS-1008C	1	Coil, Field, Right
MN-21	2	Pin, Dowel
MZ-38	2	Screw, Pole Shoe
X-755	2	Terminal
12X-544	2	Lockwasher, Thru Bolt, #10

Comm. End Head Assembly & Parts Used With

GAS-69A	1	Cover, Comm. End
GAS-70	1	Gasket, Cover, C.E.
GAS-71	1	Washer, Bearing Retaining
GAS-77	1	Washer, Felt, C.E. Inner
GAS-78	1	Retainer, Felt Washer
GAS-2226	1	Head Assy., Comm. End
GAS-51	2	Spring, Retaining, 3rd. Brush Plate
GAS-226	1	Head
GAS-2021R	1	Plate Assy., Main Brush
GAL-31	1	Lead Assy., Ground
X-958	2	Terminal
GAS-15	2	Holder, Brush
GAS-17	1	Spring, Brush, Grounded
GAS-18	1	Spring, Brush, Insulated
GAS-1021R	1	Plate, Main Brush
GEM-12†	2	Brush, Main
8X-122	1	Screw, Grounded Brush, Fil. Hd. #8-32x1/2
X-1013	2	Lockwasher, Brush Sc., #8
8X-1496	1	Screw, Insulated Brush, Bdg. Hd. #8-32x7/16
GAS-2082R	1	Plate Assy., 3rd. Brush
GAS-15	1	Holder, Brush
GAS-17	1	Spring, Brush
GAS-1082R	1	Plate, 3rd. Brush
GEM-13†	1	Brush
X-1013	1	Lockwasher, Brush Sc., #8
8X-1496	1	Screw, Brush, Bdg. Hd., #8-32x7/16
8X-55	3	Screw, Plate Attaching Rd. Hd. #8-32x3/8
X-195	1	Lockwasher, Plate Attaching Screw, #8
X-489	1	Oiler, Press in Type, 1/4
IA-175	1	Washer, Plain
		1 2 3 4 5

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
8X-61	1	Screw, Bearing Retaining, Flat Hd. #10-32x7/16
X-63	3	Screw, Cover, Flat Hd. #8-32x3/8
X-293	1	Bearing, Ball, S.A.E. #201

Armature Assembly & Parts Used With

GAS-2227	1	Armature Assy.
GAS-53	1	Snap Ring, D.E.
IA-158	1	Snap Ring, C.E.
X-160	1	Nut, Shaft, Hex. 7/16-24
X-1278	1	Washer, Shaft, Skpf. 7/16
X-1460A	1	Key, Woodruff, #212

Drive End Head Assembly & Parts Used With

GAS-1312	1	Head Assy., Drive End
DB-13	1	Retainer, Felt Washer, Flat
GAS-73	1	Retainer, Felt Washer, Cupped
GAS-312	1	Head
GEM-74	1	Retainer, Bearing
IGP-34	1	Wick, Felt
SC-127	1	Washer, Felt
8X-55	3	Screw, Brg. Retainer, Rd. Hd., #8-32x3/8
X-195	3	Lockwasher, Retainer Sc., #8
X-294	1	Bearing, Ball, S.A.E. #202
X-489	1	Oiler, Hinge Top, Press in, 1/4

Miscellaneous Parts

GAS-24F	1	Band, Cover
GAS-168	2	Spacer, Reg. Mtg.
TC-4327C	1	Regulator, Two Charge
12X-196	4	Lockwasher, Reg. Mtg., #10
8X-311	4	Screw, Reg. Mtg., Rd. Hd. #10-32x3/8
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32
		1 2 3 4 5

† Brush Set, Serivce GEM-2012S.

Unit	Application
GAS-4182	Wisconsin

(Issued 1-14-47)

File in Equipment & Parts List Binder

Printed in U. S. A.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-20A	2	Bolt, Thru
(GAS-2323)	1	Frame & Field Assy.
GAS-40	2	Washer, Ins., Term. Stud, Inner
GAS-41	2	Bushing, Ins., Term Stud
GAS-44	1	Insulation, Field Conn.
GAS-45	4	Holder, Field Coil
GAS-81	1	Lead Assembly
GBF-36	1	Stud, Terminal
X-1423	1	Terminal
GAS-2005H	1	COIL ASSY., FIELD, COMP.
GAS-1007B	1	Coil Assy., Field, Left
X-1423	1	Terminal
GAS-1008G	1	Coil, Field, Right
GBF-36	1	Stud. Field Term., #10-32
GBF-55	2	Washer, Ins., Term. Stud,Outer
MN-21	2	Pin, Dowel
MZ-38A	2	Screw, Pole Shoe
X-1274	4	Washer, Skpf., Term. Stud, #10
5X-1377	2	Nut, Term. Stud, Hex., #10-32
X-544	2	Lockwasher, Thru Bolt, #10

COMM; END HEAD ASSEMBLY & PARTS USED WITH

GAS-69A	1	Cover, Comm. End
GAS-70	1	Gasket, Cover, Comm. End
GAS-71	1	Washer, Bearing Retaining
GAS-77	1	Washer, Felt
GAS-78	1	Retainer, Felt Washer
GAS-2226	1	Head Assy., Comm. End
GAS-51	2	Spring, Retaining, 3rd Brush Plate
GAS-226	1	Head
GAS-2021R	1	Plate Assy., Main Brush
GAL-31	1	Lead Assy., Ground
X-958		Terminal
GAS-15	2	Holder, Brush
GAS-17	1	Spring, Brush, Grounded
GAS-18	1	Spring, Brush, Insulated
GAS-1021R	1	Plate, Main Brush
GEM-12†	2	Brush, Main
8X-122	1	Screw, Grounded Brush, Fil. Hd., #8-32x1/2
X-1013	2	Lockwasher, Br. Sc., #8
8X-1496	1	Screw, Ins., Brush, Bdg. Hd . #8-32x7/16
GAS-2082R	1	Plate Assy., 3rd Brush
GAS-15	1	Holder, Brush
GAS-17	1	Spring, Brush
GAS-1082R	1	Plate, 3rd Brush
GEM-13†	1	Brush
X-1013	1	Lockwasher, Brush Screw,#8
8X-1496	1	Screw, Brush, Bdg. Hd.,#8-32 x7/16
8X-55	3	Screw, Br. Plate, Rd. Hd.,#8-32x 3/8
X-195	1	Lockwasher, Br. Plate Screw,#8
X-489	1	Oiler, Hinge Top, Press in, 1/4
		1 2 3 4 5

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
IA-175	1	Washer, Plain, Felt Retaining
8X-61	1	Screw, Bearing Retaining, Flat Hd., #10-32x7/16
X-63	3	Screw, Cover, Flat Hd., #8-32x3/8
X-293	1	BEARING, BALL, S.A.E. #201

Armature Assembly & Parts Used With

GAS-2227	1	ARMATURE ASSEMBLY
GAS-53	1	Snap Ring, D.E.
IA-158	1	Snap Ring, C.E.
X-160	1	Nut, Shaft, D.E., Hex. 7/16-20
X-1278	1	Washer, Shaft, Skpf., 7/16
X-1460A	1	Key, Woodruff, #212

Drive End Head Assembly & Parts Used With

GAS-1312	1	Head Assy., Drive End
DB-13	1	Retainer, Felt Washer, Flat
GAS-73	1	Retainer, Felt Washer, Cupped
GAS-312	1	Head
GEM-74	1	Retainer, Bearing
IGP-34	1	Wick, Felt
SC-127	1	Washer, Felt
8X-55	3	Screw, Brg. Retainer, Rd. Hd., #8-21x3/8
X-195	3	Lockwasher, Retainer Sc. #8
X-294	1	BEARING, BALL, S.A.E. #202
X-489	1	Oiler, Hinge Top, Press in, 1/4

Miscellaneous Parts

GAS-1024F	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd., #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square, #10-32
		1 2 3 4 5

† BRUSH SET, SERVICE GEM-2012S.

NOTE:- TC-4332A TWO CHARGE REGULATOR is used with but is not a part of this generator

UNIT	APPLICATION
GAS-4186	Hyster Co. Wisconsin Motor Corp. Lewis Shepard Co.

(Issued 8-20-47)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-20A	2	Bolt, Thru
(GAS-3167)	1	Frame & Field Assy.
GAS-44	1	Insulation, Field Connection
GAS-45	4	Holder, Field Coil
GAS-86	1	Lead Assy.
X-1423	1	Terminal
GAS-121	1	Bushing, Insulating
GAS-2005C	1	COIL ASSY., FIELD, COMP.
GAS-1007A	1	Coil Assy., Field, Left
X-1424	1	Terminal
GAS-1008C	1	Coil Field, Right
MN-21	2	Pin, Dowel
MZ-38A	2	Screw, Pole Shoe
X-755	2	Terminal
12X-544	2	Lockwasher, Thru Bolt, #10

Comm. End Head Assembly & Parts Used

GAS-69A	1	Cover, Comm. End
GAS-70	1	Gasket, C.E. Cover
GAS-71	1	Washer, Bearing Retaining Sc.
GAS-77	1	Washer, Felt
GAS-78	1	Retainer, Felt Washer
GAS-3068	1	Head Assy., Comm. End
GAS-51	2	Spring, Retaining, 3rd Brush Plate
GAS-68	1	Head
GAS-2021L	1	Plate Assy., Main Brush
GAL-31	1	Lead Assy., Ground
X-958	2	Terminal
GAS-15	2	Holder, Brush
GAS-17	1	Spring, Brush, Insulated
GAS-18	1	Spring, Brush, Grounded
GAS-1021L	1	Plate
GEM-12 *	2	Brush
8X-122	2	Screw, Fill. Hd., #8-32x1/2
X-1013	2	Lockwasher, #8
GAS-2072L	1	Plate Assy., 3rd Brush
GAS-15	1	Holder, Brush
GAS-18	1	Spring, Brush
GAS-1072L	1	Plate, Main Brush
GEM-13 *	1	Brush
8X-878	1	Screw, Fill. Hd. #8-32x7/16
X-1013	1	Lockwasher, #8
8X-55	3	Screw, Rd. Hd. #8-32x3/8
X-195	1	Lockwasher, #8
X-489	1	Oiler, Press in Type 1/4
IA-175	1	Washer, Felt Retaining, Plain
8X-61	1	Screw, Bearing Retaining, Flat Hd. #10-32x7/16
X-63	3	Screw, C.E. Cover, Flat Hd. #8-32x3/8
X-293	1	BEARING, BALL, S.A.E. #201
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-1176	1	Oil Thrower
GAS-3178	1	ARMATURE ASSEMBLY
IA-158	1	Snap Ring
GK-174	1	Washer, Armature Shaft, Plain 1/2
X-156	1	Nut, Shaft, Hex. Castellated 1/2-20
X-263	1	Key, Woodruff, #8
X-404	1	Pin, Cotter, 3/32x1

Drive End Head Assembly & Parts Used With

GAS-1179	1	Head Assy., Drive End
GAS-177	1	Retainer, Bearing
GAS-179	1	Head
8X-63	3	Screw, Bearing Retainer, Flat Hd. #8-32x3/8
X-378	1	BEARING, BALL, SHIELDED S.A.E. #204

Miscellaneous Parts

GAS-24F	1	Band, Cover
GAS-168	2	Spacer, Reg. Mtg.
TC-4301F	1	REGULATOR, TWO CHARGE
12X-196	4	Lockwasher, Regulator Mtg. Sc., #10
8X-311	4	Screw, Mounting, Regulator, Rd. Hd. #10-32x3/8
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32
		1 2 3 4 5

* BRUSH SET, SERVICE , GEM-2012S.

UNIT	APPLICATION
GAS-4187	Wisconsin, Motorette

Printed in U. S. A.

(Issued 4-19-48)

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-20A	2	Bolt, Thru
(GAS-2310)	1	Frame & Field Assy.
GAS-44	1	Insulation, Field Connection
GAS-45	4	Holder, Field Coil
GAS-86	1	Lead Assy.
X-1423	1	Terminal
GAS-121	1	Bushing, Insulating
GAS-2005D	1	Coil Assy., Field, Comp.
GAS-1007B	1	Coil Assy., Field, Left
X-1423	1	Terminal
GAS-1008C	1	Coil, Field, Right
MN-21	2	Pin, Dowel
MZ-38A	2	Screw, Pole Shoe
X-755	2	Terminal
12X-544	2	Lockwasher, Thru Bolt, #10

Comm. End Head Assembly & Parts Used With

GAS-69A	1	Cover, Comm. End
GAS-70	1	Gasket, Cover, Comm. End
GAS-71	1	Washer, Bearing Retaining
GAS-77	1	Washer, Felt, C.E. Inner
GAS-78	1	Retainer, Felt Washer
GAS-2079G	1	Head Assy., Comm. End
GAS-51	2	Spring, Retaining, 3rd. Brush Plate
GAS-79B	1	Head
GAS-2021R	1	Plate Assy., Main Brush
GAL-31	1	Lead Assy., Ground
X-958	2	Terminal
GAS-15	2	Holder, Brush
GAS-17	1	Spring, Brush., Grounded
GAS-18	1	Spring, Brush., Insulated
GAS-1021R	1	Plate, Main Brush
GEM-12†	2	Brush, Main
8X-122	1	Screw, Grounded Br., Fil. Hd. #8-32x1/2
X-1013	2	Lockwasher, Brush Sc. #8
8X-1496	1	Screw, Insulated Brush, Bdg. Hd., #8-32x7/16
GAS-2082R	1	Plate Assy., 3rd. Brush
GAS-15	1	Holder, Brush
GAS-17	1	Spring, Brush
GAS-1082R	1	Plate, 3rd. Brush
GEM-13†	1	Brush
X-1013	1	Lockwasher, B. Sc., #8
8X-1496	1	Screw, Br. Bdg. Hd., #8-32 x7/16
8X-55	3	Screw, Rd. Hd., #8-32x3/8
X-195	1	Washer, Lock, #8
X-386	1	Oiler, Press in Type, 1/4
IA-175	1	Washer, Felt Retaining Plain
		1 2 3 4 5

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
8X-61	1	Screw, Bearing Retaining, Flat Hd. #10-32x7/16
X-63	3	Screw, Cover Holding, Flat Hd. #8-32x3/8
X-293	1	Bearing, Ball, S.A.E. #201

Armature Assembly & Parts Used With

GAS-308	1	Snap Ring, Armature Shaft
GAS-2326	1	Armature
GAS-333	1	Snap Ring
IA-158	1	Snap Ring, C.E.
GG-195	1	Armature Shaft Nut 1/2x20 Hex.
SP-718	1	Pulley, Drive
12X-2949	1	Lockwasher, Arm. Shaft, 1/2

Drive End Head Assembly & Parts Used With

GAS-1075J	1	Drive End Head Assy.
DB-13	1	Flat Felt Guard
GAS-73	1	Cupped Felt Guard
GAS-75	1	D.E. Head
GAS-327	1	Bearing Retainer
GAS-328	1	Felt Retainer
IGP-34	1	Felt Wick
SC-127	1	Felt Washer
8X-56	3	Screw, Retainer Rd. Hd., #8-32x7/16
12X-195	3	Lockwasher, Retainer Sc. #8
X-294	1	Ball Bearing, S.A.E. #202
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

GAS-1235A	1	Band, Cover
TC-4305E	1	Regulator, Two Charge
8X-118	1	Screw, Cover Band, Fil. Hd. #10-32x3/4
12X-196	4	Lockwasher, Regulator Mtg., #10
8X-309	1	Screw, Reg. Mtg., Rd. Hd. #10-32x1/2
8X-321	3	Screw, Reg. Mtg., Rd. Hd. #10-32x5/16
		1 2 3 4 5

† Brush Set, Service GEM-2012S.

Unit	Application
GAS-4188A	Oliver Corp.

(Issued 1-14-47)

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-20A	2	Bolt, Thru
(GAS-2334)	1	Frame & Field Assy.
GAS-40	1	Washer, Ins., Term. Stud Inner
GAS-41	1	Bushing, Ins. Term. Stud
GAS-44	1	Insulation, Field Connection
GAS-45	4	Holder, Field Coil
GAS-81	1	Lead Assy.
GBF-36	1	Stud, Terminal #10-32
X-1423	1	Terminal
GAS-335	1	Dowel, Aligning
GAS-2005A	1	Coil Assy., Field, Comp.
GAS-1007B	1	Coil Assy., Field, Left
X-1423	1	Terminal
GAS-1008A	1	Coil Assy., Field, Right
X-959	1	Terminal
GBF-55	1	Washer, Ins., Term. Stud Outer
MN-21	2	Pin, Dowel
MZ-38A	2	Screw, Pole Shoe
X-140	1	Nut, Hex. Field Ground Sc. #6-32
X-1274	2	Washer, Skpf. Term. Stud #10
X-1275	1	Washer, Skpf. Ground Sc. #8
X-1350	1	Screw, Ground, Flat Hd. #6-32x7/16
8X-1377	2	Nut, Hex., Term. Stud #10-32
12X-544	2	Lockwasher, Thru Bolt, #10

Comm. End Head Assembly & Parts Used With

GAS-70	1	Gasket, Cover, Comm. End
GAS-77	1	Washer, Felt
GAS-78	1	Retainer, Felt Washer
GAS-95	1	Cover, Comm. End
GAS-2079	1	Head Assy., Comm. End
GAS-51	2	Spring, Retaining, 3rd. Brush Plate
GAS-79	1	Head
GAS-2021R	1	Plate Assy., Main Brush
GAL-31	1	Lead Assy., Ground
X-958	2	Terminal
GAS-15	2	Holder, Brush
GAS-17	1	Spring, Brush, Grounded
GAS-18	1	Spring, Brush, Insulated
GAS-1021R	1	Plate, Main Brush
GEM-12†	2	Brush, Main
8X-122	1	Screw, Grounded Brush, Fil. Hd. #8-32x1/2
X-1013	2	Lockwasher, Brush Sc. #8
8X-1496	1	Screw, Insulated Brush, Bdg. Hd. #8-32x7/16
GAS-2082R	1	Plate Assy., 3rd. Brush
GAS-15	1	Holder, Brush
GAS-17	1	Spring, Brush
GAS-1082R	1	Plate, 3rd. Brush
GEM-13†	1	Brush
		1 2 3 4 5

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
X-1013	1	Lockwasher, Brush Sc., #8
8X-1496	1	Screw, Br. Bdg. Hd., #8-32x7/16
8X-55	3	Screw, Plate Attaching Rd. Hd. #8-32x3/8
X-195	1	Lockwasher, Plate Attaching Sc. #8
X-489	1	Oiler, Press in Type, 1/4
GJ-305	1	Washer, Felt
IA-175	2	Washer, Plain
X-63	3	Screw, Cover, Flat Hd. #8-32x3/8
X-293	1	Bearing, Ball, S.A.E. #201

Armature Assembly & Parts Used With

GAS-96	1	Ring, Spring, Lock
GAS-337	1	Spacer, Armature Shaft
GAS-339	1	Key, Square Arm. Shaft
GAS-2336	1	Armature Assy.
GAR-171	1	Snap Ring
IA-158	1	Snap Ring
X-161	1	Nut, Shaft, Hex. 1/2-20
X-1500	1	Washer, Shaft, Skpf. 1/2

Drive End Head Assembly & Parts Used With

GAS-1099	1	Head Assy., Drive End
GAS-99	1	Head
GAS-103	1	Retainer, Felt Washer, Cupped
GAS-104	1	Retainer, Bearing
GG-164	1	Washer, Felt
GT-76	1	Retainer, Felt Washer
8X-55	3	Screw, Retainer, Rd. Hd. #8-32x3/8
X-195	3	Lockwasher, Retainer Sc. #8
X-295	1	Bearing, Ball S.A.E. #203
X-489	1	Oiler, Press in Type, 1/4

Miscellaneous Parts

GAS-1024F	1	Band, Cover
X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32
		1 2 3 4 5

† Brush Set, Service GEM-2012S.

Unit	Application
GAS-4190	Crosley

(Issued 11-13-46)

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GAS-20A	2	Bolt, Thru
(GAS-3341)	1	Frame & Field Assy.
GAS-40	2	Washer, Ins., Term. Stud, Inner
GAS-41	2	Bushing, Ins., Term. Stud
GAS-44	1	Insulation, Field Connection
GAS-45	4	Holder, Field Coil
GAS-81	1	Lead Assembly
GBF-36	1	Stud, Terminal, #10-32
X-1423	1	Terminal
GAS-2005N	1	COIL ASSY., FIELD, COMPLETE
GAS-1007A	1	Coil Assy., Field, Left
X-1424	1	Terminal
GAS-1008G	1	Coil, Field, Right
GBF-36	1	Stud, Terminal, #10-32
GBF-55	2	Washer, Ins., Term. Stud, Outer
MN-21	2	Pin, Dowel
MZ-38A	2	Screw, Pole Shoe
12X-196	2	Lockwasher, Term. Stud, #10
X-1274	4	Washer, Term. Stud, Skpf. #10
8X-1377	4	Nut, Term. Stud, Hex. #10-32
12X-196	3	Lockwasher, Thru Bolt & Grd. Sc., #10
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

GAS-3340	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GAS-51	2	Spring, Retaining, 3rd. Brush Plate
GAS-220	1	Oil Guard
GAS-221	1	Gasket, Oil Guard
GAS-223	1	Gasket, Cover
GAS-1222	1	Cover, Comm. End
GAS-1340	1	Head Assy., Partial, C.E.
GAS-224	1	BEARING, ABS. BRONZE
GAS-2021L	1	Plate Assy., Main Brush
GAL-31	1	Lead Assy., Ground
X-958	2	Terminal
GAS-15	2	Holder, Brush
GAS-17	1	Spring, Brush, Insulated
GAS-18	1	Spring, Brush, Grounded
GAS-1021L	1	Plate, Main Brush
GEM-12 †	2	Brush
8X-122	2	Screw, Br. Holder, Fill. Hd. #8-32x1/2

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
X-195	2	Lockwasher, Holder Sc., #8
GAS-2219L	1	Plate Assy., 3rd. Brush
GAS-15	1	Holder, Brush
GAS-18	1	Spring, Brush
GAS-1219L	1	Plate, 3rd. Brush
GEM-13†	1	Brush
X-195	1	Washer, Skpf., #8
8X-878	1	Screw, Fill. Hd., #8-32x7/16
8X-55	3	Screw, Br. Plate, Rd. Hd. #8-32x3/8
12X-195	5	Lockwasher, Cover & Plate Sc., #8
8X-888	4	Screw, Cover, Fill. Hd. #8-32x5/16

Armature Assembly & Parts Used With

GAS-3218	1	ARMATURE ASSY.
GAR-171	1	Snap Ring, D.E.
GBM-21B	1	Nut, Arm. Shaft, D.E.
X-260	1	Key, Woodruff, #5
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

GAS-1217A	1	Head Assy., Drive End
DA-39	1	Retainer, Felt Washer, Flat
GAS-103	1	Retainer, Felt Washer, Cupped
GAS-104	1	Retainer, Bearing
GAS-217A	1	Head, D.E.
GG-164	1	Washer, Felt
8X-55	3	Screw, Brg. Retainer, Rd. Hd. #8-32x3/8
X-195	3	Lockwasher, Retainer Sc., #8
X-441	1	BEARING, BALL, SHIELDED S.A.E. #203
X-489	1	Oiler

Miscellaneous Parts

GAS-1024JS	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GEM-2012S.

NOTE: TC-4332A TWO CHARGE REGULATOR is used with but is not a part of this Generator.

UNIT	APPLICATION
GAS-4191	U.S. Thermo Control Co.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-20A	2	Bolt, Thru
(GAS-2346)	1	Frame & Field Assembly
GAS-44	1	Insulation, Field Connection
GAS-45	4	Holder, Field Coil
GAS-225	1	Lead Assy.
X-1423	1	Terminal
GAS-2005A	1	COIL ASSY., FIELD, COMP.
GAS-1007B	1	Coil Assy., Field, Left
X-1423	1	Terminal
GAS-1008A	1	Coil Assy., Field, Right
X-959	1	Terminal
GT-7	1	Bushing, Lead Insulating
MN-21	2	Pin, Dowel
MZ-38A	2	Screw, Pole Shoe
X-140	1	Nut, Field Ground Sc., Hex. #6-32
X-755	1	Terminal
X-1275	1	Washer, Skpf., Ground Sc., #8
X-1350	1	Screw, Field Ground, Flat Hd. #6-32x7/16
12X-544	2	Lockwasher, Thru Bolt, #10

Comm. End Head Assembly & Parts Used With

GAS-69A	1	Cover, Comm. End
GAS-70	1	Gasket, C.E. Cover
GAS-71	1	Washer, Bearing Retaining Sc.
GAS-77	1	Washer, Felt
GAS-78	1	Retainer, Felt Washer
GAS-2209	1	Head Assy., Comm. End
GAS-51	2	Spring, Retaining, 3rd Brush Plate
GAS-209	1	Head
GAS-2021R	1	Plate Assy., Main Brush
GAL-31	1	Lead Assy., Ground
X-958	2	Terminal
GAS-15	2	Holder, Brush
GAS-17	1	Spring, Brush, Grounded
GAS-18	1	Spring, Brush, Insulated
GAS-1021R	1	Plate, Main Brush
GEM-12 †	2	Brush, Main
8X-122	1	Screw, Grounded Brush, Fill. Hd. #8-32x1/2
X-1013	2	Lockwasher, Brush Sc.#8
8X-1496	1	Screw, Insulated Brush, Bdg. Hd. #8-32x7/16
GAS-2082R	1	Plate Assy., 3rd Brush
GAS-15	1	Holder, Brush
GAS-17	1	Spring, Brush
GAS-1082R	1	Plate, 3rd Brush
		1 2 3 4 5

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
GEM-13 †	1	Brush
X-1013	1	Lockwasher, Brush Sc., #8
8X-1496	1	Screw, Brush, Bdg. Hd. #8-32x7/16
8X-55	3	Screw, Br. Plate Mtg., Rd. Hd. #8-32x3/8
X-195	1	Lockwasher, Plate Sc., #8
X-489	1	Oiler, Press in Type 1/4
IA-175	1	Washer, Plain
8X-61	1	Screw, Bearing Retaining, Flat Hd. #10-32x7/16
X-63	3	Screw, C.E. Cover, Flat Hd. #8-32x3/8
X-293	1	BEARING, BALL, S.A.E. #201

Armature Assembly & Parts Used With

GAS-2111	1	ARMATURE ASSY.
GAR-171	1	Snap Ring, D.E.
IA-158	1	Snap Ring, C.E.
GJ-179	1	Washer, Armature Shaft, Plain
X-160	1	Nut, Shaft, D.E., Hex. 7/16-20
12X-205	1	Lockwasher, Shaft, D.E. 7/16
X-260	1	Key, Woodruff, #5

Drive End Head Assembly & Parts Used With

GAS-1207	1	Head Assy., Drive End
GAS-103	1	Retainer, Felt Washer Cupped
GAS-104	1	Retainer, Bearing
GAS-207	1	Head
GG-164	1	Washer, Felt
GT-76	1	Retainer, Felt Washer
8X-55	3	Screw, Retainer, Rd. Hd. #8-32x3/8
X-195	3	Lockwasher, Retainer Sc., #8
X-295	1	BEARING, BALL, S.A.E. #203
X-489	1	Oiler, Press in Type, 1/4

Miscellaneous Parts

CB-4014	1	RELAY ASSY., CUTOUT
CB-123	1	Spring, Armature
CB-160S	1	Cover
PX-55	1	Screw, Arm. Term., Bdg. Hd. #10-32x3/16
12X-196	2	Lockwasher, Term. Sc., #10
8X-312	1	Screw, Bat. Term., Rd. Hd. #10-32x1/4
		1 2 3 4 5

(Continued on reverse side)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Miscellaneous Parts (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-87	2	Spacer, Relay Mtg.
GAS-1024JS	1	Band, Cover
12X-196	2	Lockwasher, Cutout Relay Mtg. Sc., #10
8X-311	2	Screw, Cutout Relay Mtg., Rd. Hd. #10-32x3/8
X-714	1	Nut, Cover Band, Square #10-32
		1 2 3 4 5

† BRUSH SET, SERVICE GEM-2012S.

NOTE: Part number shown in parenthesis are not recommended for service.

UNIT	APPLICATION
GAS-4192	Le Roi Co.

(Issued 3-22-48)

"NOTE: Where part num ers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GAS-20A	2	Bolt, Thru
(GAS-2349)	1	Frame & Field Assy.
GAS-44	1	Insulation, Field Connection
GAS-45	4	Holder, Field Coil
GAS-86	1	Lead Assembly
X-1423	1	Terminal
GAS-121	1	Bushing, Lead Insulating
GAS-2005D	1	COIL ASSY., FIELD, COMPLETE
GAS-1007B	1	Coil Assy., Field, Left
X-1423	1	Terminal
GAS-1008C	1	Coil, Field, Right
MN-21	2	Pin, Dowel
MZ-38A	2	Screw, Pole Shoe
X-755	2	Terminal
12X-196	2	Lockwasher, Thru Bolt, #10

Comm. End Head Assembly & Parts Used With

GAS-69A	1	Cover, Comm. End
GAS-70	1	Gasket, C.E. Cover
GAS-71	1	Washer, Bearing Retaining Sc.
GAS-77	1	Washer, Felt
GAS-78	1	Retainer, Felt Washer
GAS-2255	1	Head Assy., Comm. End
GAS-51	2	Spring, Retaining, 3rd. Brush Plate
GAS-255	1	Head, Comm. End
GAS-2021R	1	Plate Assy., Main Brush
GAL-31	1	Lead Assy., Ground
X-958	2	Terminal
GAS-15	2	Holder, Brush
GAS-17	1	Spring, Brush, Grounded
GAS-18	1	Spring, Brush, Insulated
GAS-1021R	1	Plate, Main Brush
GEM-12 †	2	Brush, Main
8X-122	1	Screw, Grounded Brush, Fill. Hd. #8-32x1/2
X-195	2	Lockwasher, Brush Sc., #8
8X-1496	1	Screw, Ins. Brush, Bdg. Hd. #8-32x7/16
GAS-2082R	1	Plate Assy., 3rd. Brush
GAS-15	1	Holder, Brush
GAS-17	1	Spring, Brush
GAS-1082R	1	Plate, 3rd. Brush
GEM-13†	1	Brush
X-195	1	Lockwasher, Brush Sc., #8
8X-1496	1	Screw, Brush, Bdg. Hd. #8-32x7/16
8X-55	3	Screw, Brush Plate Mtg., Rd. Hd. #8-32x3/8

Comm. End Head Assy. (Continued)

Part No.	No. Used	Name of Part
X-195	1	Lockwasher, Plate Sc., #8
X-489	1	Oiler
IA-175	1	Washer, Plain
8X-61	1	Screw, Bearing Retaining, Flat Hd. #10-32x7/16
8X-63	3	Screw, C.E. Cover, Flat Hd. #8-32x3/8
X-293	1	BEARING, BALL, S.A.E. #201

Armature Assembly & Parts Used With

GAS-2111	1	ARMATURE ASSY.
GAR-171	1	Snap Ring, D.E.
IA-158	1	Snap Ring, C.E.
GJ -179A	1	Washer, Shaft, D.E., Plain
8X-160	1	Nut, Shaft, D.E., Hex. 7/16-20
12X-205	1	Lockwasher, Shaft, D.E., 7/16
X-260	1	Key, Woodruff, #5

Drive End Head Assembly & Parts Used With

GAS-1254A	1	Head Assy., Drive End
GAS-103	1	Retainer, Felt Washer, Cupped
GAS-104	1	Retainer, Bearing
GAS-254A	1	Head, Drive End
GG-164	1	Washer, Felt
GT-76	1	Retainer, Felt Washer, Flat
8X-55	3	Screw, Retainer, Rd. Hd. #8-32x3/8
12X-195	3	Lockwasher, Retainer Sc., #8
X-295	1	BEARING, BALL, S.A.E. #203
X-489	1	Oiler

Miscellaneous Parts

GAS-168	2	Spacer, Reg. Mtg.
GAS-1024K	1	Band, Cover
TC-4302A	1	REGULATOR, TWO CHARGE
12X-196	4	Lockwasher, Regulator Mtg. Sc., #10
8X-311	4	Screw, Regulator Mtg., Rd. Hd. #10-32x3/8
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GEM-2012S.

UNIT	APPLICATION
GAS-4193	Universal Motor

(Issued 6-3-49)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GAS-20A	2	Bolt, Thru
(GAS-2350)	1	Frame & Field Assy.
GAS-40	1	Washer, Ins., Term. Stud, Inner
GAS-41	1	Bushing, Ins., Term. Stud
GAS-44	1	Insulation, Field Connection
GAS-45	4	Holder, Field Coil
GAS-81	1	Lead Assy.
GBF-36	1	Stud, Terminal, #10-32
X-1423	1	Terminal
GAS-2005A	1	COIL ASSY., FIELD, COMPLETE
GAS-1007B	1	Coil Assy., Field, Left
X-1423	1	Terminal
GAS-1008A	1	Coil Assy., Field, Right
X-959	1	Terminal
GBF-55	1	Washer, Ins., Term. Stud, Outer
MN-21	2	Pin, Dowel
MZ-38A	2	Screw, Pole Shoe
8X-140	1	Nut, Field Ground, Hex. #6-32
X-1274	2	Washer, Term. Stud, Skpf. #10
X-1275	1	Washer, Field Ground Sc., Skpf. #8
8X-1350	1	Screw, Field Ground, Flat Hd. #6-32x7/16
5X-1377	1	Nut, Term. Stud, Hex. #10-32
12X-196	1	Lockwasher, Terminal Stud, #10
12X-544	2	Lockwasher, Thru Bolt, #10
5X-1377	1	Nut, Term. Stud, Hex. #10-32

Comm. End Head Assembly & Parts Used With

GAS-69A	1	Cover, Comm. End
GAS-70	1	Gasket, C.E. Cover
GAS-71	1	Washer, Bearing Retaining Sc.
GAS-77	1	Washer, Felt, C.E., Inner
GAS-78	1	Retainer, Felt Washer
GAS-2079C	1	Head Assy., Comm. End
GAS-51	2	Spring, Retaining, 3rd Brush Plate
GAS-79B	1	Head
GAS-2021R	1	Plate Assy., Main Brush
GAL-31	1	Lead Assy., Ground
X-958	2	Terminal
GAS-15	2	Holder, Brush
GAS-17	1	Spring, Brush, Grounded
GAS-18	1	Spring, Brush, Insulated
GAS-1021R	1	Plate, Main Brush
GEM-12 †	2	Brush, Main
8X-122	1	Screw, Grounded Brush, Fill. Hd. #8-32x1/2
X-195	2	Lockwasher, Brush Sc.,#8

Comm. End Head Assy. (Continued)

Part No.	No. Used	Name of Part
8X-1496	1	Screw, Insulated Brush, Bdg Hd. #8-32x7/16
GAS-2082RA	1	Plate Assy., 3rd Brush
GAS-15	1	Holder, Brush
GAS-17	1	Spring, Brush
GAS-1082RA	1	Plate, 3rd Brush
GEM-13 †	1	Brush
8X-878	1	Screw, Brush, Fill. Hd. #8-32x7/16
X-195	1	Lockwasher, Brush Sc., #8
8X-55	3	Screw, Brush Plate, Rd. Hd. #8-32x3/8
X-195	1	Lockwasher, Br. Plate Sc., #8
X-489	1	Oiler
IA-175	1	Washer, Felt Retaining, Plain
8X-61	1	Screw, Bearing Retaining, Flat Hd. #10-32x7/16
8X-63	3	Screw, C.E. Cover, Flat Hd. #8-32x3/8
X-293	1	BEARING, BALL, S.A.E. #201

Armature Assembly & Parts Used With

GAS-2076	1	ARMATURE ASSY.
GAS-53	1	Snap Ring, D.E.
IA-158	1	Snap Ring, C.E.
X-1460A	1	Key, Woodruff, #212

Drive End Head Assy. & Parts Used With

GAS-1075E	1	Head Assy., Drive End
DB-13	1	Retainer, Felt Washer, Flat
GAS-73	1	Retainer, Felt Washer, Cupped
GAS-74	1	Retainer, Bearing
GAS-75B	1	Head
IGP-34	1	Wick, Felt
SC-127	1	Washer, Felt
8X-55	3	Screw, Retainer, Rd. Hd. #8-32x3/8
X-195	3	Lockwasher, Retainer Sc., #8
X-294	1	BEARING, BALL, S.A.E. #202
X-489	1	Oiler

Miscellaneous Parts

GAS-24F	1	Band, Cover
X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GEM-2012S.

UNIT	APPLICATION
GAS-4194	Kermath

(Issued 10-15-48)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GAS-4195A GENERATOR PARTS LIST

GAS-4195A
(Issued 4-9-51)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GAS-20A	2	Bolt, Thru
(GAS-3206)	1	Frame & Field Assy.
GAS-40	2	Washer, Ins., Term. Stud, Inner
GAS-41	2	Bushing, Ins., Term. Stud
GAS-44	1	Insulation, Field Connection
GAS-45	4	Holder, Field Coil
GAS-81	1	Lead Assembly
GBF-36	1	Stud, Terminal, #10-32
X-1423	1	Terminal
GAS-2005N	1	COIL ASSY., FIELD, COMPLETE
GAS-1007A	1	Coil Assy., Field, Left
X-1424	1	Terminal
GAS-1008G	1	Coil, Field, Right
GBF-36	1	Stud, Terminal, #10-32
GBF-55	2	Washer, Ins., Term. Stud, Outer
MN-21	2	Pin, Dowel
MZ-38A	2	Screw, Pole Shoe
12X-196	2	Lockwasher, Term. Stud, #10
X-1274	4	Washer, Term. Stud, Skpf. #10
8X-1377	4	Nut, Term. Stud, Hex. #10-32
12X-196	3	Lockwasher, Thru Bolt & Grd. Sc., #10
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

GAS-69A	1	Cover, Comm. End
GAS-70	1	Gasket, C.E. Cover
GAS-71	1	Washer, Bearing Retaining Sc.
GAS-77	1	Washer, Felt
GAS-78	1	Retainer, Felt Washer
GAS-3068	1	Head Assy., Comm. End
GAS-51	2	Spring, Retaining, 3rd. Brush Plate
GAS-68	1	Head, Comm. End
GAS-2021L	1	Plate Assy., Main Brush
GAL-31	1	Lead Assy., Ground
X-958	2	Terminal
GAS-15	2	Holder, Brush
GAS-17	1	Spring, Brush, Insulated
GAS-18	1	Spring, Brush, Grounded
GAS-1021L	1	Plate, Main Brush
GEM-12†	2	Brush
8X-122	2	Screw, Br. Holder, Fill. Hd. #8-32x1/2
X-195	2	Lockwasher, Holder Sc., #8

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
GAS-2072L	1	Plate Assy., 3rd. Brush
GAS-15	1	Holder, Brush
GAS-18	1	Spring, Brush
GAS-1072L	1	Plate, 3rd. Brush
GEM-13†	1	Brush
X-195	1	Lockwasher, Holder Sc., #8
8X-878	1	Screw, Br. Holder, Fill. Hd. #8-32x7/16
8X-55	3	Screw, Rd. Hd. #8-32x3/8
X-195	1	Lockwasher, #8
X-489	1	Oiler
IA-175	1	Washer, Plain
8X-61	1	Screw, Brg. Retaining, Flat Hd. #10-32x7/16
8X-63	3	Screw, C.E. Cover, Flat Hd. #8-32x3/8
X-293	1	BEARING, BALL, S.A.E. #201

Armature Assembly & Parts Used With

GAS-3076	1	ARMATURE ASSY.
GAS-53	1	Snap Ring, D.E.
IA-158	1	Snap Ring, C.E.
SP-772A	1	Pulley, Drive
8X-160	1	Nut, Shaft, D.E., Hex. 7/16-20
X-1278	1	Washer, Shaft, D.E., Skpf. 7/16
X-1460A	1	Key, Woodruff, #212

Drive End Head Assembly & Parts Used With

GAS-1075E	1	Head Assy., Drive End
DB-13	1	Retainer, Felt Washer, Flat
GAS-73	1	Retainer, Felt Washer, Cupped
GAS-74	1	Retainer, Bearing
GAS-75B	1	Head, Drive End
IGP-34	1	Wick, Felt
SC-127	1	Washer, Felt
8X-55	3	Screw, Retainer, Rd. Hd. #8-32x3/8
X-195	3	Lockwasher, Retainer Sc., #8
X-294	1	BEARING, BALL, S.A.E. #202
X-489	1	Oiler

Miscellaneous Parts

GAS-1024F	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GEM-2012S.

UNIT	APPLICATION
GAS-4195A	Kalamazoo Mfg. Co.

Printed in U. S. A.

File in
Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GAS-20A	2	Bolt, Thru
(GAS-2349)	1	Frame & Field Assy.
GAS-44	1	Insulation, Field Connection
GAS-45	4	Holder, Field Coil
GAS-86	1	Lead Assembly
X-1423	1	Terminal
GAS-121	1	Bushing Lead Insulating
GAS-2005D	1	COIL ASSY., FIELD, COMPLETE
GAS-1007B	1	Coil Assy., Field, Left
X-1423	1	Terminal
GAS-1008C	1	Coil, Field, Right
MN-21	2	Pin, Dowel
MZ-38A	2	Screw, Pole Shoe
X-755	2	Terminal
12X-196	3	Lockwasher, Thru Bolt & Grd. Sc., #10
8X-312	1	Screw, Ground, Rd. Hd. #10-32x1/4

Comm. End Head Assembly & Parts Used With

GAS-69A	1	Cover, Comm. End
GAS-70	1	Gasket, C.E. Cover
GAS-71	1	Washer, Bearing Retaining Sc.
GAS-77	1	Washer, Felt
GAS-78	1	Retainer, Felt Washer
GAS-2255	1	Head Assy., Comm. End
GAS-51	2	Spring, Retaining, 3rd. Brush Plate
GAS-255	1	Head, Comm. End
GAS-2021R	1	Plate Assy., Main Brush
GAL-31	1	Lead Assy., Ground
X-958	2	Terminal
GAS-15	2	Holder, Brush
GAS-17	1	Spring, Brush, Grounded
GAS-18	1	Spring, Brush, Insulated
GAS-1021R	1	Plate, Main Brush
GEM-12†	2	Brush, Main
8X-122	1	Screw, Grounded Brush, Fill. Hd. #8-32x1/2
X-195	2	Lockwasher, Brush Sc., #8
8X-1496	1	Screw, Ins., Brush, Bdg. Hd. #8-32x7/16
GAS-2082R	1	Plate Assy., 3rd. Brush
GAS-15	1	Holder, Brush
GAS-17	1	Spring, Brush
GAS-1082R	1	Plate, 3rd. Brush
GEM-13†	1	Brush, Third
X-195	1	Lockwasher, Brush Sc., #8

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
8X-1496	1	Screw, Brush, Bdg. Hd. #8-32x7/16
8X-55	3	Screw, Brush Plate Mtg., Rd. Hd. #8-32x3/8
X-195	1	Lockwasher, Plate Sc., #8
X-489	1	Oiler
IA-175	1	Washer, Plain
8X-61	1	Screw, Brg. Retaining, Flat Hd. #10-32x7/16
8X-63	3	Screw, C.E. Cover, Flat Hd. #8-32x3/8
X-293	1	BEARING, BALL, S.A.E. #201

Armature Assembly & Parts Used With

GAS-2111	1	ARMATURE ASSY.
GAR-171	1	Snap Ring, D.E.
IA-158	1	Snap Ring, C.E.
GJ-179A	1	Washer, Shaft, D.E., Plain
8X-160	1	Nut, Shaft, D.E., Hex. 7/16-20
12X-205	1	Lockwasher, Shaft, D.E., 7/16
X-260	1	Key, Woodruff, #5

Drive End Head Assembly & Parts Used With

GAS-1254A	1	Head Assy., Drive End
GAS-103	1	Retainer, Felt Washer, Cupped
GAS-104	1	Retainer, Bearing
GAS-254A	1	Head, Drive End
GG-164	1	Washer, Felt
GT-76	1	Retainer, Felt Washer, Flat
8X-55	3	Screw, Retainer, Rd. Hd. #8-32x3/8
12X-195	3	Lockwasher, Retainer Sc., #8
X-295	1	BEARING, BALL, S.A.E. #203
X-489	1	Oiler

Miscellaneous Parts

CB-4014	1	RELAY ASSY., CUTOUT
CB-123	1	Spring, Armature
CB-160S	1	Cover, Relay
PX-55	1	Screw, Arm. Term., Bdg. Hd. #10-32x3/16
12X-196	2	Lockwasher, Term. Sc., #10

(Continued on Reverse Side)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GAS-4196 GENERATOR PARTS (Continued)

Miscellaneous Parts (Cont.)

Part No.	No. Used	Name of Part
8X-312	1	Screw, Bat. Term., Rd. Hd. #10-32x1/4
GAS-87A	2	Spacer, Relay Mtg.
GAS-1024K	1	Band, Cover
12X-196	2	Lockwasher, Mtg. Sc., #10
8X-311	2	Screw, Relay Mtg., Rd. Hd. #10-32x3/8
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† GEM-2012S BRUSH SET, SERVICE.

UNIT	APPLICATION
GAS-4196	Universal Mtr.

Printed in U. S. A.

File in
Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GAS-151	2	Bolt, Thru
GAS-2358	1	Frame & Field Assy.
GAS-44	1	Insulation, Field Connection
GAS-45	4	Holder, Field Coil
GAS-86	1	Lead Assembly
X-1423	1	Terminal
GAS-121	1	Bushing, Insulation
GAS-2005D	1	COIL ASSY., FIELD, COMPLETE
GAS-1007B	1	Coil Assy., Field, Left
X-1423	1	Terminal
GAS-1008C	1	Coil, Field, Right
MN-21	2	Pin, Dowel
MZ-38C	2	Screw, Pole Shoe
X-755	2	Terminal
12X-196	2	Lockwasher, Thru Bolt, #10

Comm. End Head Assembly & Parts Used With

GAS-69A	1	Cover, Comm. End
GAS-70	1	Gasket, C.E. Cover
GAS-71	1	Washer, Bearing Retaining Sc.
GAS-77	1	Washer, Felt
GAS-78	1	Retainer, Felt Washer
GAS-2079G	1	Head Assy., Comm. End
GAS-51	2	Spring, Retaining, 3rd Brush Plate
GAS-79B	1	Head, Comm. End
GAS-2021R	1	Plate Assy., Main Brush
GAL-31	1	Lead Assy., Ground
X-958	2	Terminal
GAS-15	2	Holder, Brush
GAS-17	2	Spring, Brush, Grounded
GAS-18	1	Spring, Brush, Insulated
GAS-1021R	1	Plate, Main Brush
GEM-12†	2	Brush, Main
8X-122	1	Screw, Grounded Brush, Fill. Hd. #8-32x1/2
X-195	2	Lockwasher, Brush Sc., #8
8X-1496	1	Screw, Ins., Brush, Bdg. Hd. #8-32x7/16
GAS-2082R	1	Plate Assy., 3rd. Brush
GAS-15	1	Holder, Brush
GAS-17	1	Spring, Brush
GAS-1082R	1	Plate, 3rd Brush
GEM-13†	1	Brush, Third
X-195	1	Lockwasher, Brush Sc., #8
8X-1496	1	Screw, Brush, Bdg. Hd. #8-32x7/16
8X-55	3	Screw, Br. Plate, Rd. Hd. #8-32x3/8

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
X-195	1	Lockwasher, Plate Sc., #8
X-386	1	Oiler
IA-175	1	Washer, Plain
8X-61	1	Screw, Brg. Retainer, Flat Hd. #10-32x3/8
X-63	3	Screw, C.E. Cover, Flat Hd. #8-32x3/8
X-293	1	BEARING, BALL, S.A.E. #201

Armature Assembly & Parts Used With

GAS-152	1	Oil Thrower
GAS-2153	1	ARMATURE ASSY.
GAS-53	1	Snap Ring, D.E.
IA-158	1	Snap Ring, C.E.
GR-32A	1	Retainer, Felt Washer
X-160	1	Nut, Shaft, D.E., Hex. 7/16-20
X-1278	1	Washer, Shaft, D.E., Skpf. 7/16
X-1460A	1	Key, Woodruff, #212

Drive End Head Assy. & Parts Used With

GAS-150	1	Gasket, D.E. Head
GAS-1154	1	Head Assy., Drive End
GAS-154	1	Head, D.E.
GAS-155	1	Retainer, Bearing
GAS-156	1	Gasket, Brg. Retainer
GAS-324	1	Retainer, Felt Washer
GG-164	1	Washer, Felt
X-196	3	Lockwasher, Retainer Sc. #10
8X-311	3	Screw, Brg. Retainer, Rd. Hd. #10-32x3/8
X-1470	1	BEARING, BALL, SHIELDED, S.A.E. #202

Miscellaneous Parts

GAS-1171A	1	Band, Cover
TC-4327F	1	REGULATOR, TWO CHARGE
X-118	1	Screw, Cover Band, Fill. Hd. #10-32x3/4
12X-196	4	Lockwasher, Mtg. Sc., #10
8X-309	1	Screw, Reg. Mtg., Rd. Hd. #10-32x1/2
8X-321	3	Screw, Reg. Mtg., Rd. Hd. #10-32x5/16

† BRUSH SET, SERVICE GEM-2012S.

UNIT	APPLICATION
GAS-4197	Hercules

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GAS-4198-1 GENERATOR PARTS LIST

GAS-4198-1
(Issued 10-6-55)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GAS-20A	2	Bolt, Thru
GAS-3361	1	Frame & Field Assy.
GAS-44	1	Insulation, Field Connection
GAS-45	4	Holder, Field Coil
GAS-121	1	Bushing, Insulation
GAS-181	1	Lead Assy.
X-1423	1	Terminal
GAS-2005E	1	COIL ASSY., FIELD, COMPLETE
GAS-1007A	1	Coil Assy., Field, Left
X-1424	1	Terminal
GAS-1008E	1	Coil, Field, Right
MN-21	2	Pin, Dowel
MZ-38A	2	Screw, Pole Shoe
X-755	2	Terminal
12X-196	2	Lockwasher, Thru Bolt, #10

Comm. End Head Assembly & Parts Used With

GAS-69A	1	Cover, Comm. End
GAS-70	1	Gasket, C. E. Cover
GAS-71	1	Washer, Brg. Retaining Sc.
GAS-77	1	Washer, Felt
GAS-78	1	Retainer, Felt Washer
GAS-3186	1	Head Assy., Comm. End
GAS-51	2	Spring, Retaining, 3rd. Brush Plate
GAS-186	1	Head, Comm. End
GAS-2021L	1	Plate Assy., Main Brush
GAL-31	1	Lead Assy., Ground
X-958	2	Terminal
GAS-15	2	Holder, Brush
GAS-17	1	Spring, Brush, Insulated
GAS-18	1	Spring, Brush, Grounded
GAS-1021L	1	Plate, Main Brush
GEM-12‡	2	Brush
8X-122	2	Screw, Br. Holder, Fill. Hd. #8-32x1/2
X-195	2	Lockwasher, Holder Sc., #8
GAS-2072LA	1	Plate Assy., 3rd. Brush
GAS-15	1	Holder, Brush
GAS-18	1	Spring, Brush
GAS-1072LA	1	Plate, 3rd. Brush
GEM-13‡	1	Brush, Third
X-195	1	Lockwasher, Holder Sc., #8
8X-878	1	Screw, Br. Holder, Fill. Hd. #8-32x7/16
8X-55	3	Screw, Rd. Hd. #8-32x3/8
X-195	1	Lockwasher, #8
X-489	1	Oiler
IA-175	1	Washer, Plain
8X-61	1	Screw, Brg. Retaining, Flat Hd. #10-32x7/16

Comm. End Head Assembly (Con't.)

Part No.	No. Used	Name of Part
X-63	3	Screw, C. E. Cover, Flat Hd. #8-32x3/8
X-293	1	BEARING, BALL, S. A. E. #201

Armature Assembly & Parts Used With

GAS-3111	1	ARMATURE ASSY.
GAR-171	1	Snap Ring, D. E.
IA-158	1	Snap Ring, C. E.
GJ-179	1	Washer, Shaft, Plain, D. E.
X-160	1	Nut, Shaft, D. E. Hex. 7/16-20
12X-205	1	Lockwasher, Shaft, D. E., 7/16
X-260	1	Key, Woodruff, #5

Drive End Head Assembly & Parts Used With

GAS-1362	1	Head Assy., Drive End
GAS-103	1	Retainer, Felt Washer, Cupped
GAS-104	1	Retainer, Bearing
GAS-362	1	Head, Drive End
GG-164	1	Washer, Felt
GT-76	1	Retainer, Felt Washer
8X-55	3	Screw, Retainer, Rd. Hd. #8-32x3/8
12X-195	3	Lockwasher, Retainer Sc., #8
X-295	1	BEARING, BALL, S. A. E #203
X-489	1	Oiler

Miscellaneous Parts

GAS-168	2	Spacer, Reg. Mtg.
GAS-1024E	1	Band, Cover
TC-4301C	1	REGULATOR, TWO CHARGE
12X-196	4	Lockwasher, Mtg. Sc., #10
8X-311	4	Screw, Reg. Mtg., Rd. Hd. #10-32x3/8
X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

‡ BRUSH SET, SERVICE GEM-2012S.

UNIT	APPLICATION
GAS-4198-1	Fairmont Rwy.

Printed in U. S. A.

File in
Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GAS-20A	2	Bolt, Thru
(GAS-2167)	1	Frame & Field Assy.
GAS-44	1	Insulation, Field Connection
GAS-45	2	Holder, Field Coil
GAS-86	1	Lead Assy.
X-1423	1	Terminal
GAS-121	1	Bushing, Insulating
GAS-2005D	1	COIL ASSY., FIELD, COMP.
GAS-1007B	1	Coil Assy., Field, Left
X-1423	1	Terminal
GAS-1008C	1	Coil, Field, Right
MN-21	2	Pin, Dowel
MZ-38A	2	Screw, Pole Shoe
X-755	2	Terminal
12X-544	2	Lockwasher, Thru Bolt, #10

Comm. End Head Assembly & Parts Used With

GAS-2174A	1	Head Assy., Comm. End
GAS-51	2	Spring, Retaining, 3rd Br. Plate
GAS-281	1	Wick, Felt
GAS-1174	1	Head Assy., Partial, C.E.
GAS-49	1	BEARING, ABS. BRONZE
GAS-2021RA	1	Plate Assy., Main Brush
GAL-31	1	Lead Assy., Ground
X-958	2	Terminal
GAS-12 †	2	Brush, Main
GAS-15	2	Holder, Brush
GAS-17	1	Spring, Brush, Grounded
GAS-18	1	Spring, Brush Insulated
GAS-1021R	1	Plate, Main Brush
8X-122	1	Screw, Grounded Brush, Fil. Hd., #8-32x1/2
12X-195	2	Lockwasher, Brush Sc.#8
8X-1496	1	Screw, Insulated Brush Bdg. Hd., #8-32x7/16
GAS-2126A	1	Plate Assy., 3rd Brush
GAS-13†	1	Brush, Third
GAS-15	1	Holder, Brush
GAS-17	1	Spring, Brush
GAS-1126	1	Plate, 3rd Brush
12X-195	1	Lockwasher, Brush Sc.#8
8X-878	1	Screw, Third Brush Fil. Hd. #8-32x7/16
IG-515A	1	Spring, Felt Wick
8X-55	3	Screw, Rd. Hd., #8-32x3/8
12X-195	1	Lockwasher, #8
X-1275	1	Washer, Felt Wick
X-1573	1	Oiler, Press in Type, 3/8

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GAS-1176	1	Oil Thrower
GAS-2175	1	ARMATURE
GK-174A	1	Washer, Plain, 1/2
X-263	1	Key, Woodruff, D.E., #8
X-404	1	Pin, Cotter, 3/32x1
X-835	1	Nut, Shaft, Slotted 1/2-20

Drive End Head Assembly & Parts Used With

GAS-1232	1	Head Assy., Drive End
GAS-177	1	Retainer, Bearing
GAS-232	1	Head
8X-63	3	Screw, Flat Hd., #8-32x3/8
X-378	1	BEARING, BALL, SHIELDED, S.A.E. #204

Dist. Mounting Housing & Parts Used With

GAG-58	1	Dist., Mtg., Housing Clamp
GE-61	1	GEAR, DIST., DRIVER
GT-121B	1	Housing, Mounting, Dist.
GW-19	1	Cover, Bearing, C.E.
IGB-354	1	Rivet, Gear
8X-53	1	Screw, Dist. Housing Clamp, Rd. Hd. #8-32x5/8
8X-141	1	Nut, Hex., #8-32
X-382	1	Cup, Grease, 1/8 Pipe
12X-544	3	Lockwasher, Housing Sc., #10
8X-900	3	Screw, Dist. Housing Mtg., Fil. Hd. #10-32x7/8

Miscellaneous Parts

GAS-168	2	Spacer, Reg. Mtg.
GAS-1024JS	1	Band, Cover
TC-4329C	1	TWO CHARGE REGULATOR
12X-196	4	Lockwasher, Regulator Mtg., #10
8X-311	4	Screw, Regulator Mtg., Rd. Hd. #10-32x3/8
X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover, Band, Square #10-32

† BRUSH SET, SERVICE GAS-2012.

UNIT	APPLICATION
GAS-4301	Wisconsin

(Issued 8-24-48)

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GAS-20A	2	Bolt, Thru
(GAS-2167)	1	Frame & Field Assy.
GAS-44	1	Insulation, Field Connection
GAS-45	4	Holder, Field Coil
GAS-86	1	Lead Assy.
X-1423	1	Terminal
GAS-121	1	Bushing, Insulating
GAS-2005D	1	COIL ASSY., FIELD, COMP.
GAS-1007B	1	Coil Assy., Field, Left
X-1423	1	Terminal
GAS-1008C	1	Coil, Field, Right
MN-21	2	Pin, Dowel
MZ-38A	2	Screw, Pole Shoe
X-755	2	Terminal
12X-544	2	Lockwasher, Thru Bolt, #10

Comm. End Head Assembly & Parts Used With

GAS-2132AS	1	Head Assy., Comm. End
GAS-51	2	Spring, Retaining, 3rd Brush Plate
GAS-281	1	Wick, Felt
GAS-1132S	1	Head Assy., Partial, C.E.
GAS-49	1	Bearing, Abs. Bronze
GAS-2021RA	1	Plate Assy., Main Brush
GAL-31	1	Lead Assy., Ground
X-958	2	Terminal
GAS-12 †	2	Brush, Main
GAS-15	2	Holder, Brush
GAS-17	1	Spring, Brush, Grounded
GAS-18	1	Spring, Brush, Insulated
GAS-1021R	1	Plate, Main Brush
8X-122	1	Screw, Grounded Brush, Fill. Hd. #8-32x1/2
12X-1013	2	Lockwasher, Brush Sc. #8
8X-1496	1	Screw, Insulated Brush, Bdg. Hd. #8-32x7/16
GAS-2126A	1	Plate Assy., 3rd Brush
GAS-13 †	1	Brush, Third
GAS-15	1	Holder, Brush
GAS-17	1	Spring, Brush
GAS-1126	1	Plate, 3rd Brush
8X-878	1	Screw, Third Brush, Fill. Hd. #8-32x7/16
12X-1013	1	Lockwasher, Brush Sc.,#8
IG-515A	1	Spring, Felt Wick
8X-55	3	Screw, Spring, Rd. Hd. #8-32x3/8
12X-195	1	Lockwasher, #8
X-1275	1	Washer, Oiler, Skpf. #8
X-1573	1	Oiler, Hinge Top, Press in, 3/8

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GAS-1176	1	Oil Thrower
GAS-2175	1	ARMATURE
GK-174A	1	Washer, Arm. Shaft, D.E.
X-263	1	Key, Woodruff, #8
X-404	1	Pin, Cotter, 3/32x1
X-835	1	Nut, Shaft, D.E. Slotted 1/2-20

Drive End Head Assembly & Parts Used With

GAS-1232AS	1	Head Assy., Drive End
GAS-177	1	Retainer, Bearing
GAS-232AS	1	Head
8X-63	3	Screw, Retainer, Flat Hd. #8-32x3/8
X-378	1	BEARING, BALL, SHIELDED S.A.E. #204

Igniter Housing Assy. & Parts Used With

GAG-58	1	Dist. Mounting Housing Clamp
GAL-98	1	Housing, Dist. Mtg.
GE-58	1	Gear, Driver
GW-19	1	Cover, Bearing, C.E.
SW-213	1	Rivet, Gear
8X-53	1	Screw, Dist. Housing Clamp, Rd. Hd. #8-32x5/8
8X-141	1	Nut, Dist. Housing Clamp, Hex. #8-32
X-380	1	Cup, Grease, 1/8 Pipe
12X-544	3	Lockwasher, Dist. Housing Screw, #10
8X-900	3	Screw, Dist. Housing Mtg., Fil. Hd. #10-32x7/8

Miscellaneous Parts

GAS-168	2	Spacer, Reg. Mtg.
GAS-1024JS	1	Band, Cover
TC-4329C	1	TWO CHARGE REGULATOR
12X-196	4	Lockwasher, Regulator Mtg. Sc., #10
8X-311	4	Screw, Regulator Mtg., Rd. Hd. #10-32x3/8
X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GAS-2012

UNIT	APPLICATION
GAS-4302	Wisconsin

(Issued 6-15-48)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GAS-20A	2	Bolt, Thru
GAS-2167	1	Frame & Field Assembly
GAS-44	1	Insulation, Field Connection
GAS-45	4	Holder, Field Coil
GAS-86	1	Lead Assembly
X-1423	1	Terminal
GAS-121	1	Bushing, Insulating
GAS-2005D	1	COIL ASSY., FIELD, COMPLETE
GAS-1007B	1	Coil Assy., Field, Left
X-1423	1	Terminal
GAS-1008C	1	Coil, Field, Right
MN-21	2	Pin, Dowel
MZ-38A	2	Screw, Pole Shoe
X-755	2	Terminal
12X-196	2	Lockwasher, Thru Bolt, #10

Comm. End Head Assembly & Parts Used With

GAS-2174B	1	Head Assy., Comm. End
GAS-51	2	Spring, Retaining, 3rd Brush Plate
GAS-281	1	Wick, Felt
GAS-1174	1	Head Assy., Partial, C.E.
GAS-49	1	BEARING, ABS. BRONZE
GAS-2021RA	1	Plate Assy., Main Brush
GAL-31	1	Lead Assy., Ground
X-958	2	Terminal
GAS-12‡	2	Brush, Main
GAS-15	2	Holder, Brush
GAS-17	1	Spring, Brush, Grounded
GAS-18	1	Spring, Brush, Insulated
GAS-1021R	1	Plate, Main Brush
8X-122	1	Screw, Grounded Brush, Fill. Hd. #8-32x1/2
12X-195	2	Lockwasher, Brush Sc., #8
8X-1496	1	Screw, Ins., Brush, Bdg. Hd. #8-32x7/16
GAS-2126A	1	Plate Assy., 3rd Brush
GAS-13‡	1	Brush, Third
GAS-15	1	Holder, Brush
GAS-17	1	Spring, Brush
GAS-1126	1	Plate, 3rd, Brush
12X-195	1	Lockwasher, Brush Sc., #8
8X-878	1	Screw, 3rd Brush, Fill. Hd. #8-32x7/16
IG-515A	1	Spring, Felt Wick
8X-55	3	Screw, Rd. Hd. #8-32x3/8
12X-195	1	Lockwasher, #8
X-1275	1	Washer, Wick Spring
X-3172	1	Oiler

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GAS-1176	1	Oil Thrower
GAS-2175	1	ARMATURE
GK-174/	1	Washer, Thrust, D.E.
X-263	1	Key, Woodruff, #8
X-404	1	Pin, Cotter
X-835	1	Nut, Arm. Shaft, D.E.

Drive End Head Assembly & Parts Used With

GAS-1232B	1	Head Assy., Drive End
GAS-177	1	Retainer, Bearing
GAS-232B	1	Head, Drive End
8X-63	3	Screw, Retainer, Flat Hd. #8-32x3/8
X-3003	1	BEARING, BALL, SHIELDED, S.A.E. #204

Dist. Housing Mtg. & Parts Used With

GAG-58	1	Clamp, Dist. Mtg. Housing
GE-45	1	Gear, Dist. Driver
GT-121B	1	Housing, Dist. Mtg.
GW-19	1	Cover, Bearing, C.E.
SW-213	1	Rivet, Gear
8X-53	1	Screw, Dist. Housing Clamp, Rd. Hd. #8-32x5/8
8X-141	1	Nut, Clamp Sc., Hex. #8-32
12X-196	3	Lockwasher, Housing Screw, #10
X-382	1	Cup, Grease, 1/8 Pipe
8X-900	3	Screw, Dist. Housing Mtg., Fill. Hd. #10-32x7/8

Miscellaneous Parts

GAS-168	2	Spacer, Reg. Mtg.
GAS-1024JS	1	Band, Cover
TC-4329C	1	REGULATOR, TWO CHARGE
12X-196	4	Lockwasher, Reg. Mtg. Screw, #10
8X-311	4	Screw, Reg. Mtg., Rd. Hd. #10-32x3/8
X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

NOTE: ‡ BRUSH SET, SERVICE GAS-2012.

UNIT	APPLICATION
GAS-4303	Wisconsin Eng.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GAS-4304 GENERATOR PARTS LIST

GAS-4304
(Issued 4-20-55)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GAS-20A	2	Bolt, Thru
GAS-2360	1	Frame & Field Assembly
GAS-44	1	Insulation, Field Connection
GAS-45	4	Holder, Field Coil
GAS-121	1	Bushing, Insulating
GAS-260A	1	Lead Assembly
X-1423	1	Terminal
GAS-1005E	1	COIL ASSEMBLY, FIELD, COMPLETE
GAS-1007B	1	Coil Assy., Field, Left
X-1423	1	Terminal
GAS-1008Q	1	Coil, Field, Right
MN-21	2	Pin, Dowel
MZ-38A	2	Screw, Pole Shoe
X-755	2	Terminal
12X-196	2	Lockwasher, Thru Bolt, #10

Comm. End Head Assembly & Parts Used With

GAS-2229S	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Felt, Wick
GAS-51	2	Spring, Retaining, 3rd. Brush Plate
GAS-220	1	Oil Guard
GAS-221	1	Gasket, Oil Retaining
GAS-223	1	Gasket, Cover
GAS-1222	1	Cover, Comm. End
GAS-1229	1	Head Assy., Partial, C.E.
GAS-224	1	BEARING, ABSORBENT BRONZE
GAS-2021R	1	Plate Assy., Main Brush
GAL-31	1	Lead Assy., Ground
X-958	2	Terminal
GAS-15	2	Holder, Brush
GAS-17	1	Spring, Brush, Grounded
GAS-18	1	Spring, Brush, Insulated
GAS-1021R	1	Plate, Main Brush
GEM-12‡	2	Brush, Main
8X-122	1	Screw, Grounded Brush, Fill. Hd. #8-32x1/2
X-195	2	Lockwasher, Brush Sc., #8
8X-1496	1	Screw, Ins. Brush, Bdg. Hd. #8-32x7/16
GAS-2219R	1	Plate Assy., 3rd Brush
GAS-15	1	Holder, Brush
GAS-17	1	Spring, Brush
GAS-1219R	1	Plate, 3rd. Brush
GEM-13‡	1	Brush
X-195	1	Washer, Skpf. #8
8X-878	1	Screw, Fill. Hd. #8-32x7/16
8X-55	3	Screw, Rd. Hd. #8-32x3/8
X-195	5	Lockwasher, #8
8X-888	4	Screw, Fill. Hd. #8-32x5/16

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GAS-2218	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring, D.E.
GBM-21B	1	Nut, Arm. Shaft, D.E.
X-260	1	Key, Woodruff, #5
X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

GAS-1217A	1	Head Assy., Drive End
DA-39	1	Retainer, Felt Washer, Flat
GAS-103	1	Retainer, Felt Washer, Cupped
GAS-104	1	Retainer, Bearing
GAS-217A	1	Head, D.E.
GG-164	1	Washer, Felt
8X-55	3	Screw, Brg. Retainer, #8-32x3/8
X-195	3	Lockwasher, Retainer Screw, #8
X-441	1	BEARING, BALL, SHIELDED, S.A.E. #203
X-489	1	Oiler

Miscellaneous Parts

GAS-168	2	Spacer, Reg. Mtg.
GAS-1024E	1	Band, Cover
TC-4327E	1	REGULATOR, TWO CHARGE
12X-196	4	Lockwasher, Mtg. Screw, #10
8X-311	4	Screw, Reg. Mtg., Rd. Hd. #10-32x3/8
X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

‡ BRUSH SET, SERVICE GEM-2012S

UNIT	APPLICATION
GAS-4304	Kohler Co.

Printed in U.S.A.

File in
Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GAS-4305 GENERATOR PARTS LIST

GAS-4305
(Issued 4-8-57)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GAS-20A	2	Bolt, Thru
GAS-2364	1	Frame & Field Assy.
GAS-44	1	Insulation, Field Connection
GAS-45	4	Holder, Field Coil
GAS-86	1	Lead Assembly
X-1423	1	Terminal
GAS-2005A	1	COIL ASSY., FIELD, COMP.
GAS-1007B	1	Coil Assy., Field, Left
X-1423	1	Terminal
GAS-1008A	1	Coil Assy., Field, Right
X-959	1	Terminal
GT-7	1	Bushing, Insulating
MN-21	2	Pin, Dowel
MZ-38A	2	Screw, Pole Shoe
X-140	1	Nut, Ground Sc., Hex. #6-32
X-755	1	Terminal
X-1275	1	Washer, Grd. Sc., Skpf. #8
X-1350	1	Screw, Field Grd., Flat Hd. #6-32x7/16
12X-196	2	Lockwasher, Thru Bolt, #10

Comm. End Head Assembly & Parts Used With

GAS-2132AS	1	Head Assy., Comm. End
GAS-51	2	Spring, Retaining, 3rd. Br. Plt.
GAS-281	1	Wick, Felt
GAS-1132S	1	Head Assy., Partial, C. E.
GAS-49	1	BEARING, ABS. BRONZE
GAS-2021RA	1	Plate Assy., Main Brush
GAL-31	1	Lead Assy., Ground
X-958	2	Terminal
GAS-12†	2	Brush, Main
GAS-15	2	Holder, Brush
GAS-17	1	Spring, Brush, Grounded
GAS-18	1	Spring, Brush, Insulated
GAS-1021R	1	Plate, Main Brush
8X-122	1	Screw, Grounded Brush, Fill. Hd. #8-32x1/2
12X-195	2	Lockwasher, Brush Sc. #8
8X-1496	1	Screw, Ins. Brush, Bdg. Hd. #8-32x7/16
GAS-2126A	1	Plate Assy., 3rd. Brush
GAS-13†	1	Brush, Third
GAS-15	1	Holder, Brush
GAS-17	1	Spring, Brush
GAS-1126	1	Plate, 3rd Brush
12X-195	1	Lockwasher, Brush Sc., #8
8X-878	1	Screw, 3rd. Brush Fill. Hd. #8-32x7/16
IG-515A	1	Spring, Felt Wiek
8X-55	3	Sc., Rd. Hd. #8-32x3/8
12X-195	1	Lockwasher, #8
X-1275	1	Washer, Wick Spring
X-1573	1	Oiler

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GAS-1176	1	Oiler Thrower
GAS-2175	1	ARMATURE
GK-174A	1	Washer, Arm. Shaft, D. E.
X-263	1	Key Woodruff, D. E., #8
X-404	1	Pin, Cotter
X-835	1	Nut, Arm. Shaft, D. E.

Drive End Head Assembly & Parts Used With

GAS-1232AS	1	Head Assy., Drive End
GAS-177	1	Retainer, Bearing
GAS-232AS	1	Head, Drive End
8X-63	3	Sc., Flat Hd. #8-32x3/8
X-3003	1	BEARING, BALL, SHIELDED S. A. E. #204

Dist. Mounting Housing & Parts Used With

GAG-58	1	Clamp, Dist. Mtg. Housing
GAL-98	1	Housing, Dist. Mtg.
GE-58	1	Gear, Dist., Driver
GW-19A	1	Cover, Bearing, C. E.
SW-213	1	Rivet, Gear
8X-53	1	Screw, Dist. Housing Clamp Rd. Hd. #8-32x5/8
8X-141	1	Nut, Clamp Sc., Hex #8-32
12X-196	3	Lockwasher, Housing Sc., #10
X-382	1	Cup, Grease, 1/8 Pipe
8X-900	3	Screw, Dist. Housing Mtg., Fill. Hd. #10-32x7/8

Miscellaneous Parts

CB-4014	1	RELAY ASSY., CUTOUT
CB-123	1	Spring, Armature
CB-160S	1	Cover, Relay
PX-55	1	Screw, Arm. Term., Bdg. Hd. #10-32x3/16
12X-196	2	Lockwasher Term. Sc., #10
8X-312	1	Sc., Bat. Term., Rd. Hd. 10-32x1/4
GAS-87	2	Spacer, Relay Mtg.
GAS-1024JS	1	Band, Cover
12X-196	2	Lockwasher, Mtg. Sc., #10
8X-311	2	Screw, Relay Mtg., Rd. Hd. #10-32x3/8
X-714	1	Screw, Cover Band Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover, Band, Sq. #10-32

† BRUSH SET, SERVICE GAS-2012

UNIT	APPLICATION
GAS-4305	Wisconsin Engine

Printed in U. S. A.

File in
Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking su -parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GAS-4306 GENERATOR PARTS LIST

GAS-4306
(Issued 4-8-57)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GAS-20A	2	Bolt, Thru
GAS-2365	1	Frame & Field Assy.
GAS-44	1	Insulation, Field Connection
GAS-45	4	Holder, Field Coil
GAS-86	1	Lead Assembly
X-1423	1	Terminal
GAS-2005A	1	COIL ASSY., FIELD, COMP.
GAS-1007B	1	Coil Assy., Field, Left
X-1423	1	Terminal
GAS-1008A	1	Coil Assy., Field, Right
X-959	1	Terminal
GT-7	1	Bushing, Insulating
MN-21	2	Pin, Dowel
MZ-38A	2	Screw, Pole Shoe
X-140	1	Nut, Ground Sc., Hex. #6-32
X-755	1	Terminal
X-1275	1	Washer, Grd. Sc., Skpf. #8
X-1350	1	Screw, Field Grd., Flat Hd. #6-32x7/16
12X-196	2	Lockwasher, Thru Bolt, #10

Comm. End Head Assembly & Parts Used With

GAS-2174B	1	Head Assy., Comm. End
GAS-51	2	Spring, Retaining, 3rd. Br. Plt.
GAS-281	1	Wick, Felt
GAS-1174	1	Head Assy., Partial, C. E.
GAS-49	1	BEARING, ABS. BRONZE
GAS-2021RA	1	Plate Assy. Main Brush
GAL-31	1	Lead Assy., Ground
X-958	2	Terminal
GAS-12†	2	Brush, Main
GAS-15	2	Holder, Brush
GAS-17	1	Spring, Brush, Grounded
GAS-18	1	Spring, Brush, Insulated
GAS-1021R	1	Plate, Main Brush
8X-122	1	Screw, Grounded Brush, Fill. Hd. #8-32x1/2
12X-195	2	Lockwasher, Brush Sc. #8
8X-1496	1	Sc. Ins. Br., Bdg. Hd. #8-32x7/16
GAS-2126A	1	Plate Assy., 3rd. Brush
GAS-13†	1	Brush, Third
GAS-15	1	Holder, Brush
GAS-17	1	Spring, Brush
GAS-1126	1	Plate, 3rd. Brush
12X-195	1	Lockwasher, Brush Sc. #8
8X-878	1	Screw, 3rd. Brush, Fill. Hd. #8-32x7/16
IG-515A	1	Spring, Felt Wick
8X-55	3	Screw, Rd. Hd. #8-32x3/8
12X-195	1	Lockwasher, #8
X-1275	1	Washer, Wick Spring
X-3172	1	Oiler

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GAS-1176	1	Oil Thrower
GAS-2175	1	ARMATURE
GK-174A	1	Washer, Arm. Shaft, D. E.
X-263	1	Key, Woodruff, D. E., #8
X-404	1	Pin, Cotter
X-835	1	Nut, Arm. Shaft, D. E.

Drive End Head Assembly & Parts Used With

GAS-1232B	1	Head Assy., Drive End
GAS-177	1	Retainer, Bearing
GAS-232B	1	Head, Drive End
8X-63	3	Screw, Flat Hd. #8-32x3/8
X-3003	1	BEARING, BALL, SHIELDED S. A. E. #204

Dist. Mounting Housing & Parts Used With

GAG-58	1	Clamp, Dist. Mtg. Housing
GE-45	1	Gear, Dist., Driver
GT-121B	1	Housing, Dist. Mtg.
GW-19A	1	Cover, Bearing, C. E.
SW-213	1	Rivet, Gear
8X-53	1	Screw, Dist. Housing Clamp, Rd. Hd. #8-32x5/8
8X-141	1	Nut Clamp Sc., Hex. #8-32
12X-196	3	Lockwasher, Housing Sc., #10
X-382	1	Cup, Grease, 1/8 Pipe
8X-900	3	Screw, Dist. Housing Mtg. Fill. Hd. #10-32x7/8

Miscellaneous Parts

CB-4014	1	RELAY ASSY., CUTOUT
CB-123	1	Spring, Armature
CB-160S	1	Cover, Relay
PX-55	1	Sc., Arm. Term., Bdg. Hd. #10-32x3/16
12X-196	2	Lockwasher, Term. Sc., #10
8X-312	1	Screw, Bat. Term., Rd. Hd. #10-32x1/4
GAS-87	2	Spacer, Relay Mtg.
GAS-1024JS	1	Band, Cover
12X-196	2	Lockwasher, Mtg. Sc., #10
8X-311	2	Screw, Relay Mtg., Rd. Hd. #10-32x3/8
X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GAS-2012

UNIT	APPLICATION
GAS-4306	Wisconsin Engine

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DG-130	2	Frame Screw
(GBB-2110)	1	Frame & Field Assy.
DD-13	4	Pole Piece
DG-42	1	Ins. Bushing
GBB-1005B	1	Field Coil Assy. - Comp.
GBB-1007E	1	Field Coil Assy. - U.R.
DG-65	1	C.B. Lead Assy.
X-755	1	Terminal
GBB-1008	1	Field Coil - L.L.
GBB-1009	1	Field Coil - L.R.
GBB-1010	1	Field Coil Assy. - U.L.
X-767	1	Terminal
GBC-45	1	Field Connection Ins.
GBC-46	2	Field Connection Ins.
MN-21	2	Dowel Pin
SB-9	8	Pole Piece Screw
X-755	2	Terminal
8X-159	2	3/8-24 Hex. Nut
X-201	2	3/8 Lock Washer

Comm. End Plate Assembly & Parts Used With

DA-22	1	Bearing Retaining Washer
DA-60	1	Bearing Retaining Screw
DB-17	1	Felt Guard
DD-24C	1	End Cap Cover
DD-44	1	End Cap Cover Gasket
DG-56	1	Thrust Washer
(DG-2125A)	1	Comm. End Plate Assy.
DE-85	2	Steel Washer
DG-125	1	Comm. End Plate
DK-41	2	Brush Holder Plate Screw
DK-42	2	Spring
GBB-1012‡	2	Brush - Main
GBB-1013‡	1	Brush - Third
GBB-1018	1	3rd Brush Holder Plate Assy.
DJ-18	1	Brush Holder
DJ-19	1	Brush Spring
GBB-1018S	1	Br. Holder Plate Part Assy.
6X-54	1	#8-32x1/2 Rd. Hd. Sc.
X-195	1	#8 Lock Washer
GBB-2073	1	Brush Holder Plate Assy.
DJ-18	2	Brush Holder
DJ-19	2	Brush Spring
GBB-2073S	1	Br. Holder Plate Part Assy.
6X-56	1	#8-32x7/16 Rd. Hd. Sc.
X-195	2	#8 Lock Washer
6X-304	1	#8-32x5/16 Rd. Hd. Sc.
X-196	1	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Screw
GBC-53	1	Felt Washer
GBC-54	1	Felt Guard
		1 2 3 4 5

Comm. End Plate Assembly (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
X-196	5	#10 Lock Washer
X-199	1	1/4 Lock Washer
8X-312	2	#10-32x1/4 Rd. Hd. Screw
X-365	1	Ball Brg. - S.A.E. #303
X-489	1	1/4 Oiler - Press in Type
8X-870	3	#10-32x5/16 Fill. Hd. Screw

Armature Assembly & Parts Used With

GAE-1046	1	Oil Thrower
GBB-2120	1	Armature Assembly
X-157	1	1/2-20 Slotted Nut
X-263	1	#8 Woodruff Key
X-358	1	1/2 Plain Steel Washer
X-404	1	3/32x1 Cotter Pin

Drive End Head Assembly & Parts Used With

DG-1121	1	Drive End Head Assy.
DG-121	1	Drive End Head
DG-131	1	Flat Brg. Retainer
8X-66	3	#10-32x1/2 Flat Hd. Sc.
X-413	1	Ball Brg. - Shielded - S.A.E. #304

Miscellaneous Parts

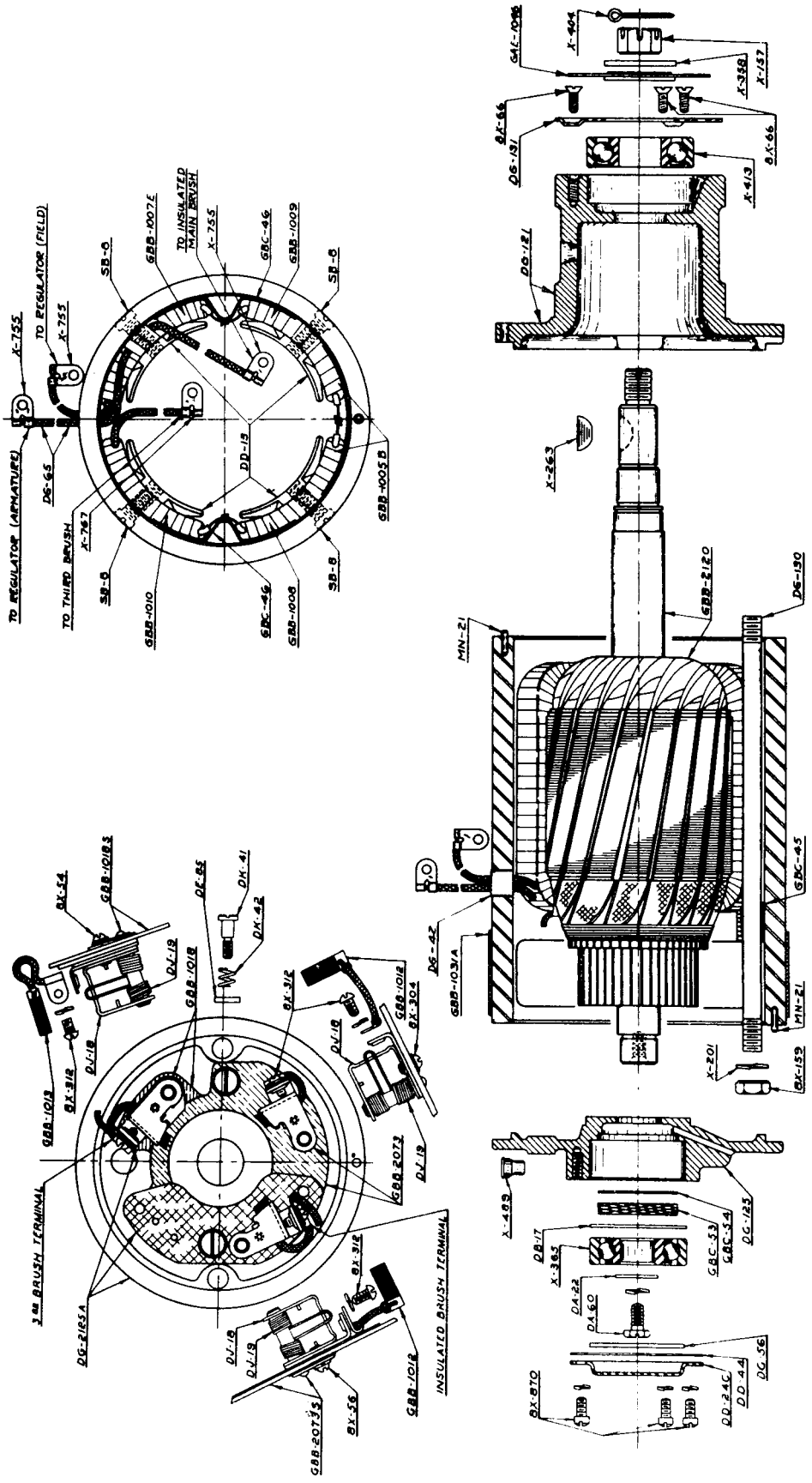
GBB-1031A	1	Head Band Assy.
TC-4303C	1	Two Charge Regulator & Circuit Breaker
8X-120	1	#10-32x5/8 Fill. Hd. Screw
X-196	4	#10 Lock Washer
8X-321	4	#10-32x5/16 Rd. Hd. Screw
		1 2 3 4 5

(Issued 11-16-37)

‡ Service Brush Set GBB-2012A.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GBB-4304 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(DG-2133)	1	Frame & Field Assy.
DG-29	4	Pole Piece
DG-42	1	Insulating Bushing
DG-1005E	1	Field Coil Assy. - Comp.
DD-1008	1	Field Coil - L.L.
DD-1009	1	Field Coil - L.R.
DG-1007E	1	Field Coil Assy.-U.R.
DG-65	1	C.B. Lead Assy.
X-755	1	Terminal
DG-1010	1	Field Coil Assy.-U.L.
X-767	1	Terminal
GBC-45	1	Field Connection Ins.
GBC-46	2	Field Connection Ins.
MN-21	2	Dowel Pin
SB-8B	8	Pole Piece Screw
X-755	2	Terminal
GBC-52	2	Frame Screw
8X-159	2	3/8-24 Hex. Nut
X-201	2	3/8 Lock Washer

Comm. End Plate Assembly & Parts Used With

DB-17	2	Felt Guard
DD-44	1	End Cap Cover Gasket
DE-79B	1	End Head Bearing Cover
DE-82	2	Felt Washer
GAU-1012	2	Brush - Main
GAU-1013	1	Brush - 3rd
GBC-53	1	Felt Washer
GBC-54	1	Felt Guard
GBC-55	1	Armature Shaft Nut
GBC-60	1	Field Ground Screw
(GBC-2002)	1	Comm. End Plate Assy.
DE-85	1	Steel Washer
DE-1076	1	3rd Brush Holder Plate Assembly
DE-1076S	1	Brush Holder Plate Part Assembly
DJ-18	1	Brush Holder
DJ-19	1	Brush Spring
6X-54	1	#8-32x1/2 Rd. Hd. Sc.
X-195	1	#8 Lock Washer
DE-2073	1	Brush Holder Plate Assy.
DE-1073S	1	Brush Holder Plate Part Assembly
DJ-18	2	Brush Holder
DJ-19	2	Brush Spring
6X-56	1	#8-32x7/16 Rd. Hd. Sc.
X-195	2	#8 Lock Washer
6X-304	1	#8-32x5/16 Rd. Hd. Sc.
DK-41	2	Brush Holder Plate Screw
DK-42	2	Spring
GBC-34	1	3rd Brush Stop
GBC-1002	1	C.E. Plate Part Assy.
PX-41	1	1/2 Gasket
8X-62	3	#10-32x3/8 Flat Hd. Screw
X-196	4	#10 Lock Washer
8X-312	4	#10-32x1/4 Rd. Hd. Screw
X-365	1	Ball Brg. - S.A.E. #303
X-489	1	1/4 Oiler - Press in Type
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBC-47	1	Armature Shaft Sleeve
GBC-1050	1	Oil Thrower
GBC-2035	1	Armature Assembly

Drive End Head Assembly & Parts Used With

GBC-1003A	1	Drive End Head Assy.
GBC-3A	1	Drive End Head
GBC-48	1	Paper Gasket
GBC-51	1	Bearing Retainer
X-196	3	#10 Lock Washer
X-300	1	Ball Brg. - S.A.E. #205
6X-311	3	#10-32x3/8 Rd. Hd. Screw
X-399	1	Oiler - 1/4 Special Elbow

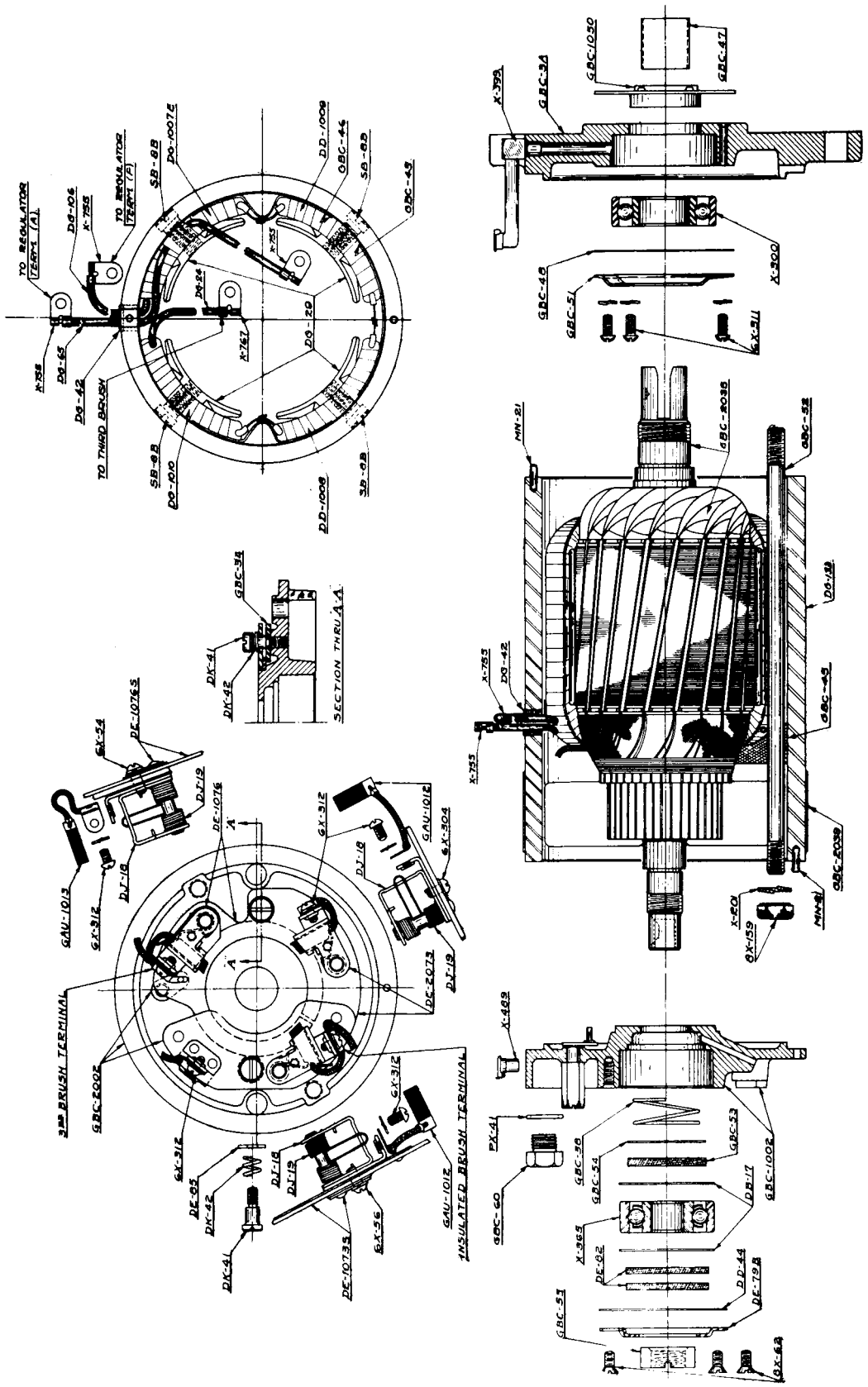
Miscellaneous Parts

GBC-2039	1	Head Band Assembly
TC-4305A	1	Two Charge Regulator
8X-118	1	#10-32x3/4 Fill. Hd. Screw
8X-870	4	#10-32x5/16 Fill. Hd. Screw
X-1270	4	#10 Skpf. Washer
		1 2 3 4 5

(Issued 1-30-35)
(R-12-10-36)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GBC-4103 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAL-225	1	Fuse Cover
(GBE-2268)	1	Frame & Field Assy.
GAL-29	2	Pole Piece
GAL-44	1	Field Connection Ins.
GAL-1224	1	Fuse Holder
GAR-211	1	Insulating Bushing
GBE-1005B	1	Field Coil Assy. - Comp.
GBE-1007C	1	Field Coil Assy. - Left
GAL-296	1	C.B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GBE-1008	1	Field Coil Assy. - Right
X-976	1	Terminal
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-59	1	#8-32x3/16 Rd. Hd. Screw
X-195	1	#8 Lock Washer
MW-20	2	Frame Screw
X-199	2	1/4 Lock Washer
X-842	1	Fuse - 5 Ampere

Comm. End Plate Assembly & Parts Used With

DA-39	3	Flat Oil Guard
DA-70	1	Armature Shaft Nut
GAG-116	1	Dowel Pin Screw - #10-32
(GAL-2213)	1	Comm. End Plate Assy.
GAL-51	2	3rd Brush Plate Retain'g Spring
GAL-1161	1	3rd Brush Plate Assy.
GAL-1167‡	2	Brush - Main
GAL-1168‡	1	Brush - Third
GAL-1213	1	Comm. End Plate Part Assy.
8X-56	2	#8-32x7/16 Rd. Hd. Screw
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
GR-32	1	Felt Washer Retainer
GR-35	1	Felt Washer
GR-73	1	Felt Washer
X-195	2	#8 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
8X-305	2	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type

Armature Assembly & Parts Used With

GAL-2269	1	Armature Assembly
GAR-171	1	Snap Ring
X-263	1	#8 Woodruff Key
X-1057	1	1/2-20 Castellated Nut
		1 2 3 4 5

Drive End Head Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAL-1118	1	D.E. Head Assy.
GAL-59	1	Bronze Bearing
GT-124	1	Felt Wick
X-1041	1	#13x5/16 Escutcheon Pin

Dist. Mounting Housing & Parts Used With

GAG-1058	1	Dist. Mtg. Housing Clamp Assembly
GAG-58	1	Dist. Mtg. Housing Clamp
8X-47	1	#8-32x9/16 Rd. Hd. Sc.
8X-141	1	#8-32 Hex. Nut
GBE-44	1	Dist. Mounting Housing
GE-21	1	Dist. Gear - Driver
GG-133	1	Dist. Drive Rivet
GJ-170	1	Felt Washer
GJ-171	1	Felt Washer Retainer
8X-119	2	#10-32x1/2 Fill. Hd. Screw
X-380	1	1/8 Grease Cup
X-489	1	1/4 Oiler - Press in Type
X-544	2	#10 Lock Washer

Miscellaneous Parts

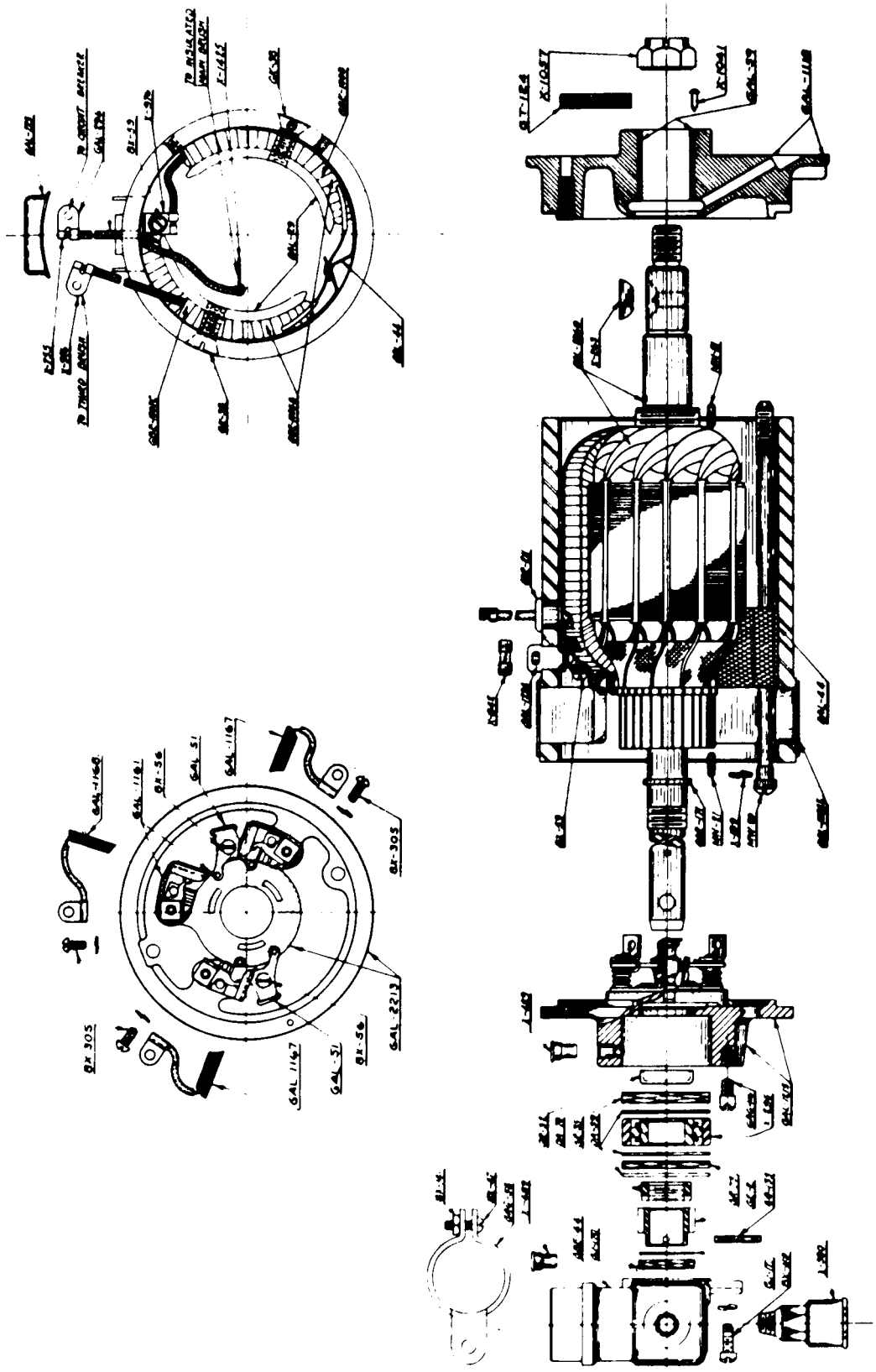
GAL-1024E	1	Head Band Assembly
RA-4002	1	Circuit Breaker Assy.
CB-123	1	Armature Spring
CB-160	1	C.B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Screw
X-196	2	#10 Lock Washer
8X-321	2	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 4-30-37)

‡ Service Brush Set GAL-2167.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part c n be ssembled as needed."

GBE-4203 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAL-225	1	Fuse Cover
(GBE-3268)	1	Frame & Field Assembly
GAL-29	2	Pole Piece
GAL-44	1	Field Connection Ins.
GAL-1224	1	Fuse Holder
GAR-211	1	Insulating Bushing
GBE-2005A	1	FIELD COIL ASSY.- Comp.
GBE-1007D	1	Field Coil Assy.- Left
GAL-266	1	C. B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GBE-1008	1	Field Coil Assy.-Right
X-976	1	Terminal
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-59	1	#8-32x3/16 Rd. Hd. Screw
X-195	1	#8 Lock Washer
MW-20	2	Frame Screw
X-199	2	1/4 Lock Washer
X-842	1	Fuse - 5 Amp.

Comm. End Plate Assembly & Parts Used With

DA-39	3	Flat Oil Guard
DA-70	1	Armature Shaft Nut
GAB-188	1	Felt Washer
GAG-116	1	Dowel Pin Screw - #10-32
(GAL-3260)	1	Comm. End Plate Assembly
GAL-51	2	3rd Brush Plate Retaining Spring
GAL-1167†	2	Brush - Main
GAL-1168†	1	Brush - Third
GAL-1260	1	C. E. Plate Part Assy.
GAL-2161	1	3rd Brush Plate Assy.
8X-56	2	#8-32x7/16 Rd. Hd. Sc.
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
GR-32	1	Felt Washer Retainer
GR-35	1	Felt Washer
X-195	2	#8 Lock Washer
X-295	1	BALL BEARING - S.A.E. #203
8X-305	2	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type

Armature Assembly & Parts Used With

GAL-3269	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
X-263	1	#8 Woodruff Key
X-1057	1	1/2-20 Castellated Nut
		1 2 3 4 5

Drive End Head Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAL-1118	1	Drive End Head Assembly
GAL-59	1	BRONZE BEARING
GT-124	1	Felt Wick
X-1041	1	#13x5/16 Escutcheon Pin

Dist. Mtg. Housing Assy. & Parts Used With

GAG-1058	1	Dist. Mtg. Housing Clamp Assy.
GAG-58	1	Dist. Mtg. Housing Clamp
8X-47	1	#8-32x9/16 Rd. Hd. Sc.
8X-141	1	#8-32 Hex. Nut
GBE-45	1	Dist. Mounting Housing
GE-21	1	Distributor Gear - Driver
GG-133	1	Distributor Drive Rivet
GJ-170	1	Felt Washer
GJ-171	1	Felt Washer Retainer
8X-119	2	#10-32x1/2 Fill. Hd. Screw
X-380	1	1/8 Grease Cup
X-489	1	1/4 Oiler - Press in Type
X-544	2	#10 Lock Washer

Miscellaneous Parts

GAL-1024E	1	Head Band Assembly
RA-4002	1	CIRCUIT BREAKER ASSEMBLY
CB-123	1	Armature Spring
CB-160S	1	C. B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Sc.
X-196	2	#10 Lock Washer
8X-321	2	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 7-1-41)

† SERVICE BRUSH SET GBM-2012AS.

UNIT	APPLICATION
GBE-4204	Gray Marine

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GBE-4205 GENERATOR PARTS LIST

GBE-4205

PRELIMINARY

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAL-225	1	Fuse Cover
(GBE-2282)	1	Frame & Field Assembly
GAG-125	1	Mounting Bracket
GAL-29	2	Pole Piece
GAL-44	1	Field Connection Ins.
GAL-1224	1	Fuse Holder
GAR-211	1	Insulating Bushing
GBE-1005A	1	FIELD COIL ASSY.- Comp.
GBE-1007A	1	Field Coil Assy.-Left
GAL-289	1	C. B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GBE-1008	1	Field Coil Assy.-Right
X-976	1	Terminal
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-59	1	#8-32x3/16 Rd. Hd. Screw
X-113	2	5/16-24x5/8 Hex. Hd. Sc.
X-195	1	#8 Lock Washer
X-203	2	5/16 Lock Washer
MW-20	2	Frame Screw
X-199	2	1/4 Lock Washer
X-842	1	Fuse - 5 Amp.

Comm. End Plate Assembly & Parts Used With

DA-39	1	Flat Oil Guard
DJ-4	1	Comm. End Cap Cover
DJ-10	1	End Cap Cover Gasket
GAA-69	1	Lock Spring Ring
GAJ-79	1	Bearing Spacer
(GAL-2213)	1	Comm. End Plate Assembly
GAL-51	2	3rd Brush Plate Retaining Spring
GAL-1161	1	3rd Brush Plate Assembly
GAL-1167†	2	Brush - Main
GAL-1168†	1	Brush - Third
GAL-1213	1	Comm. End Plate Part Assy.
8X-56	2	#8-32x7/16 Rd. Hd. Sc.
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Sc.
GR-32	1	Felt Washer Retainer
GR-35	1	Felt Washer
X-195	2	#8 Lock Washer
X-295	1	BALL BEARING - S.A.E. #203
8X-305	2	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAL-2258	1	ARMATURE ASSEMBLY
GAR-171	2	Snap Ring
GJ-104	1	Armature Shaft Spacer
GJ-179	1	7/16 Plain Washer
X-160	1	7/16-20 Hex. Nut
X-205	1	7/16 Lock Washer
X-261	1	#6 Woodruff Key

Drive End Head Assembly & Parts Used With

GAL-1063	1	Drive End Head Assembly
GAL-63	1	Drive End Head
GG-6	2	Felt Guard - With Oil Well
GG-164	1	Felt Washer
GK-176	1	Felt Washer Retainer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	BALL BRG.- S.A.E. #203
8X-316	3	#10-32x3/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

CB-4013	1	CIRCUIT BREAKER ASSEMBLY
CB-123	1	Armature Spring
CB-160S	1	C. B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Screw
GAL-1024E	1	Head Band Assembly
X-196	2	#10 Lock Washer
8X-321	2	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 7-1-41)

† SERVICE BRUSH SET GBM-2012AS.

UNIT	APPLICATION
GBE-4205	Kermath

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAL-225	1	Fuse Cover
(GBE-3283)	1	Frame & Field Assy.
GAG-125	1	Mounting Bracket
GAL-29	2	Pole Piece
GAL-44	1	Field Connection Ins.
GAL-1224	1	Fuse Holder
GBE-2005	1	Field Coil Assy. - Comp.
GBE-1007B	1	Field Coil Assy. - Left
GAL-261	1	C.B. Lead Assy.
X-1425	1	Terminal
X-976	1	Terminal
GBE-1008	1	Field Coil Assy. Right
X-976	1	Terminal
GK-38	2	Pole Piece Screw
GT-7	1	Insulating Bushing
MN-21	2	Dowel Pin
8X-59	1	#8-32x3/16 Rd. Hd. Screw
X-113	2	5/16-24x5/8 Hex. Hd. Sc.
X-195	1	#8 Lock Washer
X-203	2	5/16 Lock Washer
X-755	1	Terminal
MW-20	2	Frame Screw
X-199	2	1/4 Lock Washer
X-842	1	Fuse - 5 Amp.

Comm. End Plate Assembly & Parts Used With

DA-39	1	Flat Oil Guard
DJ-4	1	Comm. End Cap Cover
DJ-10	1	End Cap Cover Gasket
GAA-69	1	Lock Spring Ring
GAJ-79	1	Bearing Spacer
GAL-1167	2	Brush - Main
GAL-1168	1	Brush - Third
(GAL-3260)	1	Comm. End Plate Assy.
GAL-51	2	3rd Brush Plate Retain'g Spring
GAL-1260	1	Comm. End Plate Part Assy.
GAL-2161	1	3rd Brush Plate Assy.
8X-56	2	#8-32x7/16 Rd. Hd. Screw
GR-32	1	Felt Washer Retainer
GR-35	1	Felt Washer
X-195	3	#8 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
8X-305	3	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAL-3258	1	Armature Assembly
GAR-171	2	Snap Ring
GJ-104	1	Armature Shaft Spacer
GJ-179	1	7/16 Plain Washer
X-160	1	7/16-20 Hex. Nut
X-205	1	7/16 Lock Washer
X-261	1	#6 Woodruff Key

Drive End Head Assembly & Parts Used With

GAL-1063	1	Drive End Head Assy.
GAL-63	1	Drive End Head
GG-6	2	Felt Guard-with Oil Well
GG-164	1	Felt Washer
GK-176	1	Felt Washer Retainer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
8X-316	3	#10-32x3/4 Rd. Hd. Sc.
X-489	1	1/4 Oiler - Press in Type

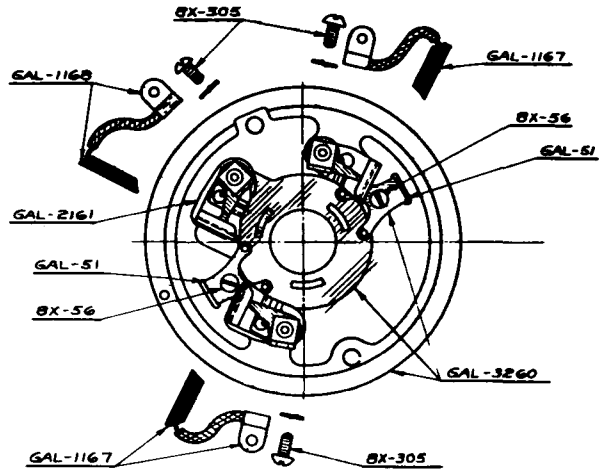
Miscellaneous Parts

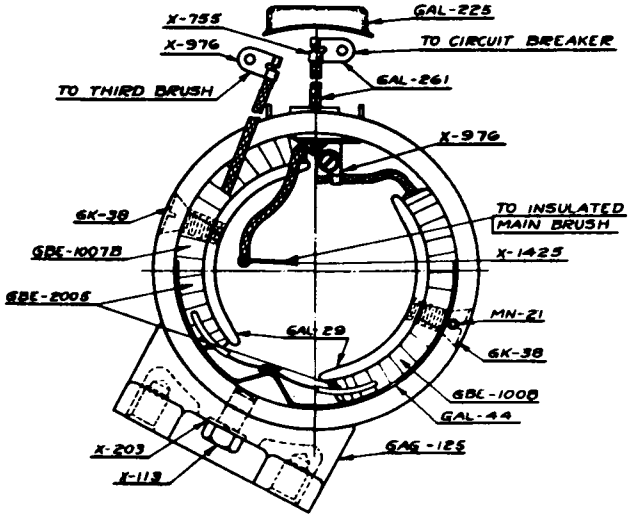
CB-4013	1	Circuit Breaker Assy.
CB-123	1	Armature Spring
CB-160	1	C.B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Screw
GAL-1024	1	Head Band Assy.
X-196	2	#10 Lock Washer
8X-321	2	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

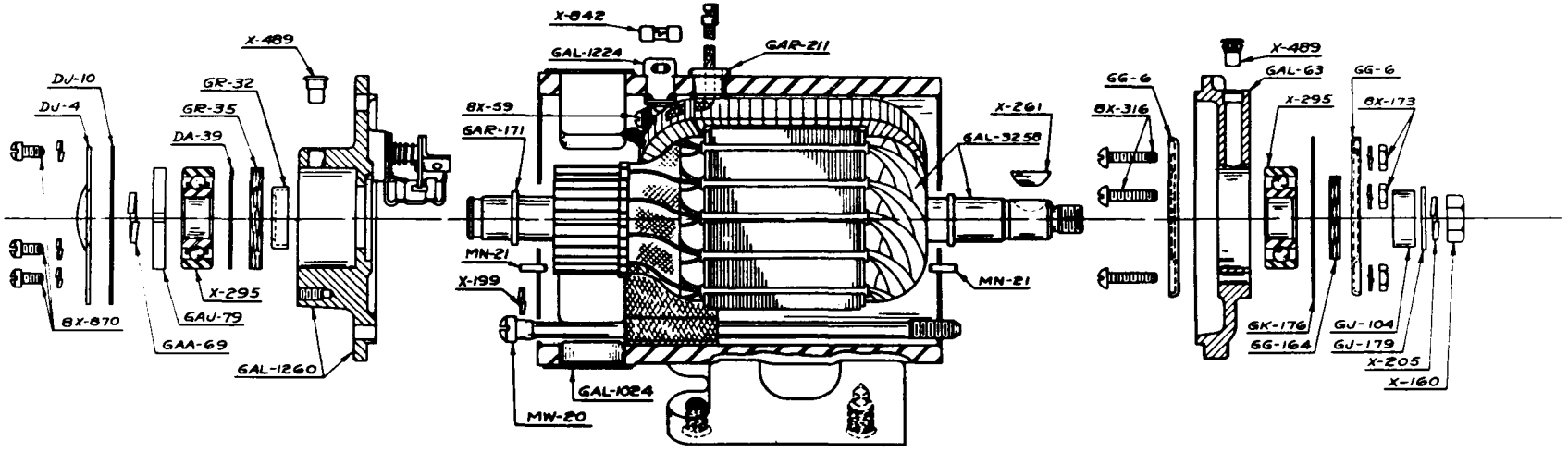
(Issued 1-24-36)

"NOTE: Where part numbers are hown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GBE-4206 GENERATOR ILLUSTRATION







Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAL-225	1	Fuse Cover
(GBE-3329)	1	Frame & Field Assembly
GAL-29	2	Pole Piece
GAL-44	1	Field Connection Ins.
GAL-1224	1	Fuse Holder
GAR-211	1	Insulating Bushing
GBE-2005	1	Field Coil Assy. - Comp.
GBE-1007B	1	Field Coil Assy. - Left
GAL-294	1	C.B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GBE-1008	1	Field Coil Assy. - Right
X-976	1	Terminal
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-59	1	#8-32x3/16 Rd. Hd. Screw
X-195	1	#8 Lock Washer
MW-20	2	Frame Screw
X-199	2	1/4 Lock Washer
X-842	1	Fuse - 5 Ampere

Comm. End Plate Assembly & Parts Used With

DA-39	1	Flat Oil Guard
DJ-4	1	Comm. End Cap Cover
DJ-10	1	End Cap Cover Gasket
GAA-69	1	Lock Spring Ring
GAJ-79	1	Bearing Spacer
(GAL-3260)	1	Comm. End Plate Assembly
GAL-51	2	3rd Brush Plate Retain'g Spring
GAL-1167‡	2	Brush - Main
GAL-1168‡	1	Brush - Third
GAL-1260	1	Comm. End Plate Part Assy.
GAL-2181	1	3rd Brush Plate Assy.
8X-56	2	#8-32x7/16 Rd. Hd. Screw
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
GR-32	1	Felt Washer Retainer
GR-35	1	Felt Washer
X-195	2	#8 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
8X-305	2	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
X-544	1	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAL-3258	1	Armature Assembly
GAR-171	2	Snap Ring
GJ-104	1	Armature Shaft Spacer
GJ-179	1	7/16 Plain Washer
X-160	1	7/16-20 Hex. Nut
X-205	1	7/16 Lock Washer
X-261	1	#6 Woodruff Key

Drive End Head Assembly & Parts Used With

GAL-1063	1	Drive End Head Assembly
GAL-63	1	Drive End Head
GG-6	2	Felt Guard - With Oil Well
GG-164	1	Felt Washer
GK-176	1	Felt Washer Retainer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
8X-316	3	#10-32x3/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

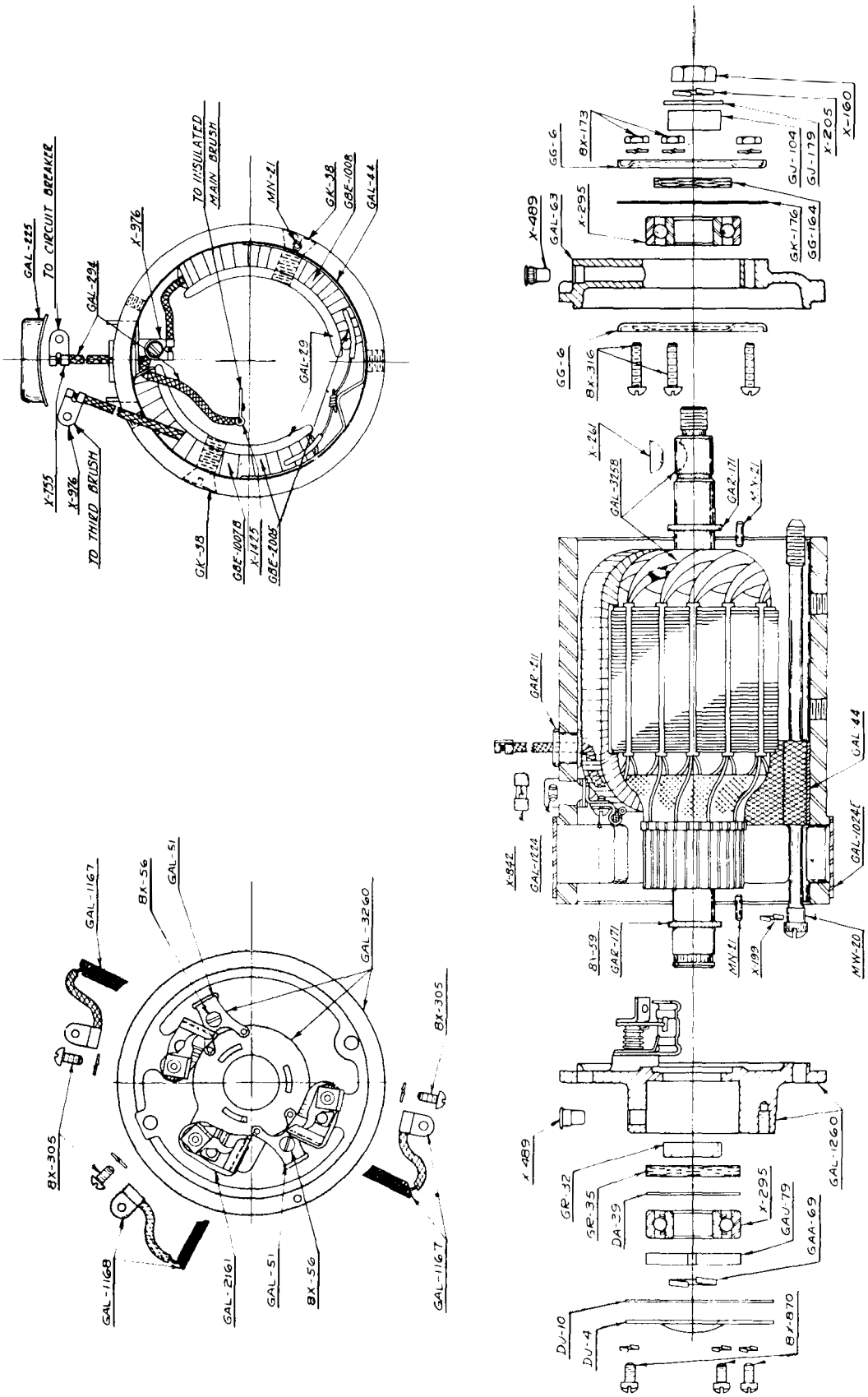
CB-4013	1	Circuit Breaker Assy.
CB-123	1	Armature Spring
CB-160	1	C.B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Screw
GAL-1024E	1	Head Band Assembly
X-196	2	#10 Lock Washer
8X-321	2	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 6-18-37)

‡ Service Brush Set GAL-2167.

"NOTE: Where part numb rs are shown in parenthesis th y are for refesence only. By stocking sub-parts the complete part can be assembled as needed."

GBE-4207 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAL-225	1	Fuse Cover
(GBE-2259A)	1	Frame & Field Assy.
GAL-29	2	Pole Piece
GAL-44	1	Field Connection Ins.
GAL-1224	1	Fuse Holder
GAR-211	1	Insulating Bushing
GBE-1005A	1	Field Coil Assy.-Comp.
GBE-1007A	1	Field Coil Assy.-Left
GAL-289	1	C.B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GBE-1008	1	Field Coil Assy.-Right
X-976	1	Terminal
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-59	1	#8-32x3/16 Rd. Hd. Sc.
X-195	1	#8 Lock Washer
MW-20	2	Frame Screw
X-199	2	1/4 Lock Washer
X-842	1	Fuse - 5 Amp.

Comm. End Plate Assembly & Parts Used With

DA-39	1	Flat Oil Guard
DJ-4	1	Comm. End Cap Cover
DJ-10	1	End Cap Cover Gasket
GAA-69	1	Lock Spring Ring
GAJ-79	1	Bearing Spacer
(GAL-2213)	1	Comm. End Plate Assy.
GAL-51	2	3rd Brush Plate Retaining Spring
GAL-1161	1	3rd Brush Plate Assy.
GAL-1167‡	2	Brush - Main
GAL-1168‡	1	Brush - Third
GAL-1213	1	Comm. End Plate Part Assy.
8X-56	2	#8-32x7/16 Rd. Hd. Sc.
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Sc.
GR-32	1	Felt Washer Retainer
GR-35	1	Felt Washer
X-195	2	#8 Lock Washer
X-295	1	Ball Bearing - S.A.E. #203
8X-305	2	#8-32x1/4 Rd. Hd. Sc.
X-489	1	1/4 Oiler - Press in Type
X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAL-2258	1	Armature Assy.
GAR-171	2	Snap Ring
GJ-104	1	Armature Shaft Spacer
GJ-179	1	7/16 Plain Washer
X-160	1	7/16-20 Hex. Nut
X-205	1	7/16 Lock Washer
X-261	1	#6 Woodruff Key

Drive End Head Assembly & Parts Used With

GAL-1063	1	Drive End Head Assy.
GAL-63	1	Drive End Head
GG-6	2	Felt Guard - with Oil Well
GG-164	1	Felt Washer
GK-176	1	Felt Washer Retainer
6X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	Ball Brg.-S.A.E. #203
6X-316	3	#10-32x3/4 Rd. Hd. Sc.
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

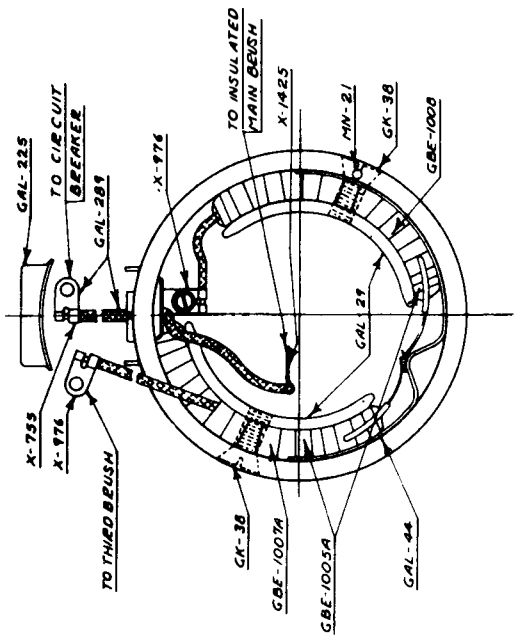
CB-4013	1	Circuit Breaker Assy.
CB-123	1	Armature Spring
CB-160S	1	C.B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Sc.
GAL-1024E	1	Head Band Assy.
X-196	2	#10 Lock Washer
8X-321	2	#10-32x5/16 Rd. Hd. Sc.
X-715	1	#10-32x1 1/4 Rd. Hd. Sc.
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

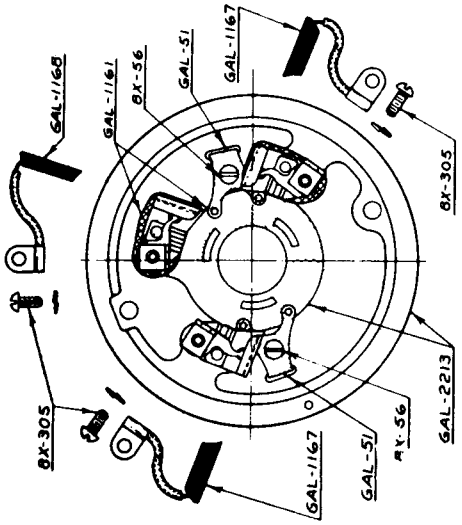
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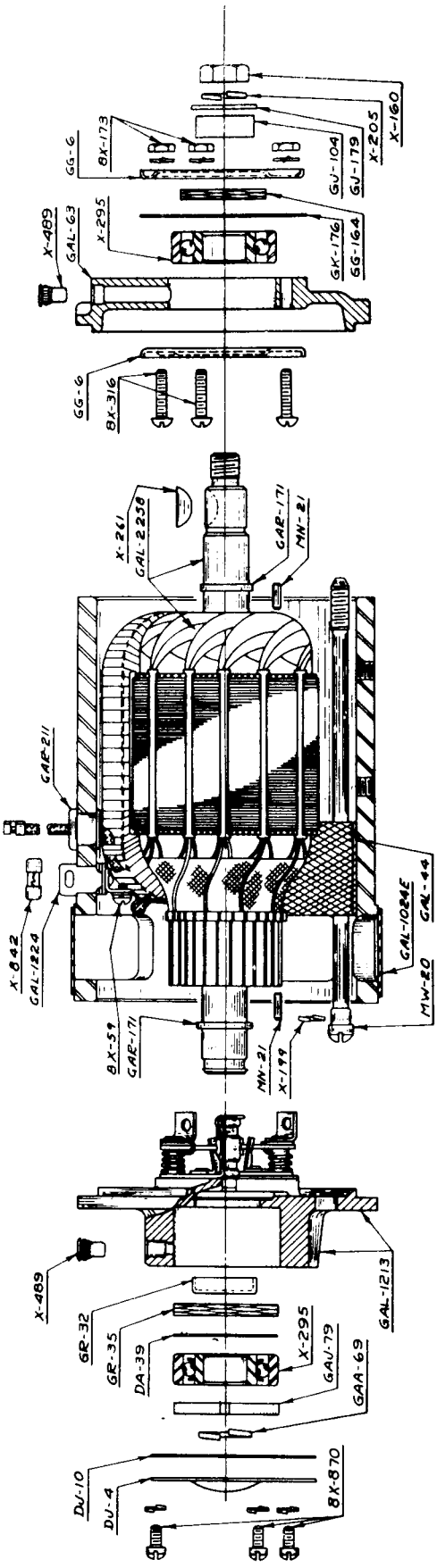
‡ Service Brush Set GAL-2167.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GBE-4208 GENERATOR ILLUSTRATION







Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAL-225	1	Fuse Cover
(GBE-2247)	1	Frame & Field Assembly
GAL-29	2	Pole Piece
GAL-44	1	Field Connection Ins.
GAL-1224	1	Fuse Holder
GAR-211	1	Insulating Bushing
GBE-1005	1	FIELD COIL ASSY.- Comp.
GBE-1007	1	Field Coil Assy.-Left
GAL-292	1	C. B. Lead Assy.
X-755	1	Terminal
X-947	1	Terminal
X-946	1	Terminal
GBE-1008	1	Field Coil Assy.-Right
X-976	1	Terminal
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-59	1	#8-32x3/16 Rd. Hd. Screw
X-195	1	#8 Lock Washer
MW-20	2	Frame Screw
X-199	2	1/4 Lock Washer
X-842	1	Fuse - 5 Amp.

Comm. End Plate Assy. & Parts Used With

DA-39	1	Flat Oil Guard
DJ-4	1	Comm. End Cap Cover
DJ-10	1	End Cap Cover Gasket
GAA-69	1	Lock Spring Ring
GAJ-79	1	Bearing Spacer
(GAL-2206)	1	Comm. End Plate Assy.
GAL-12‡	2	Brush - Main
GAL-199	2	Brush Screw Block
GAL-201	1	Brush Spring
GAL-202	1	Brush Spring
GAL-204	1	Ground Connector Assy.
X-958	2	Terminal
GAL-205	2	3rd Brush Plate Retaining Spring
GAL-242	2	Brush Holder
GAL-1206	1	C.E. Plate Part Assy.
GAL-2187	1	3rd Brush Holder Plate Assembly
GAL-13‡	1	Brush - 3rd
GAL-199	1	Brush Screw Block
GAL-201	1	Brush Spring
GAL-242	1	Brush Holder
GAL-1187	1	3rd Brush Holder Plate Part Assy.
8X-47	1	#8-32x9/16 Rd. Hd. Sc.
8X-59	1	#8-32x3/16 Rd. Hd. Sc.
X-195	1	#8 Lock Washer
X-1276	1	#8 Skpf. Washer
8X-47	2	#8-32x8/16 Rd. Hd. Sc.
8X-59	2	#8-32x3/16 Rd. Hd. Sc.
8X-63	2	#8-32x3/8 Flat Hd. Sc.
X-195	4	#8 Lock Washer
8X-304	1	#8-32x5/16 Rd. Hd. Sc.
X-1276	1	#8 Skpf. Washer
GR-32	1	Felt Washer Retainer
GR-35	1	Felt Washer
X-295	1	BALL BEARING - S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAL-2048	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
X-156	1	1/2-20 Castellated Nut
X-263	1	#8 Woodruff Key
X-358	1	1/2 Plain Steel Washer
X-404	1	3/32x1 Cotter Pin

Drive End Head Assy. & Parts Used With

GAL-1149	1	Drive End Head Assembly
GK-100	1	Pin
GT-94	1	BRONZE BEARING
GT-98	1	Baffle Plate
X-233	2	#13x1/4 Escutcheon Pin
GT-97	1	Felt Wick
X-1040	1	#13x1/2 Escutcheon Pin

Miscellaneous Parts

CB-4013	1	CIRCUIT BREAKER ASSEMBLY
CB-123	1	Armature Spring
CB-160S	1	Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Sc.
GAL-1024E	1	Head Band Assembly
X-196	2	#10 Lock Washer
8X-321	2	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
X-794	1	#10-32 Square Nut
		1 2 3 4 5

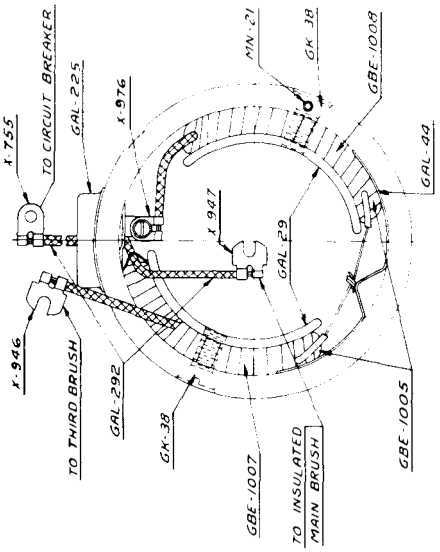
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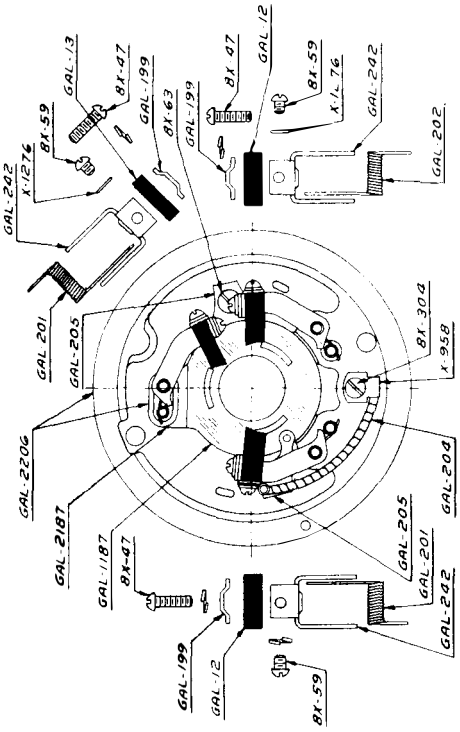
‡ SERVICE BRUSH SET GAL-2012.

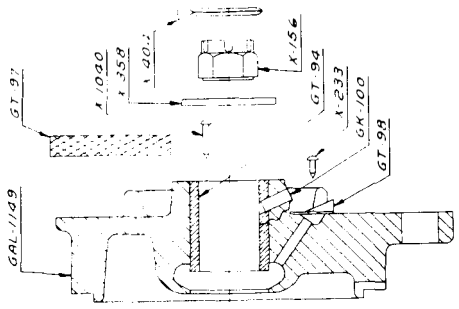
UNIT	APPLICATION
GBE-4301	Hercules

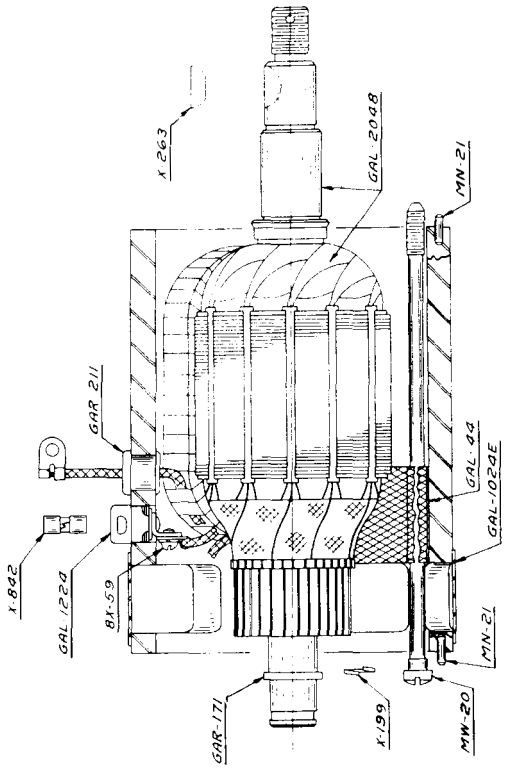
"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

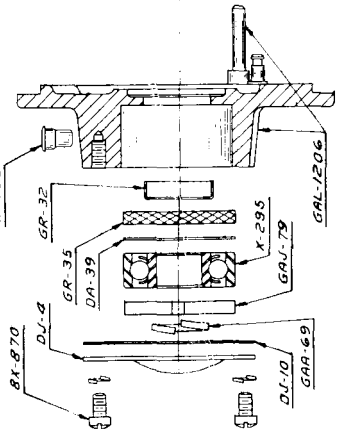
GBE-4301 GENERATOR ILLUSTRATION











Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GBG-2079)	1	Frame & Field Assy.
GBF-55	1	Insulating Washer
GBG-22	1	Terminal Post - 10-32
GBG-23	1	Terminal Post - 5/16-24
GBG-27	1	Control Lead Assy.
MAB-14A	1	Terminal
X-1425	2	Terminal
GBG-28	1	Terminal Post Insulation
GBG-29	4	Pole Piece
GBG-30	1	Field Connection Ins.
GBG-38	8	Pole Piece Screw
GBG-62	1	Terminal Post Insulation
GBG-1005	1	Field Coil Assy. - Comp.
GBG-1007	1	Field Coil Assy. - U.R.
GBG-26	1	Terminal
GBG-1008	1	Field Coil - L.L.
GBG-1009	1	Field Coil - L.R.
GBG-1010	1	Field Coil Assy. - U.L.
X-1425	1	Terminal
GCY-25	1	Insulating Bushing
GCY-26	1	Insulating Bushing
MU-36	1	Insulating Washer
MU-37	1	5/16 Plain Washer
8X-183A	1	#10 Plain Washer
X-196	1	#10 Lock Washer
X-1014	1	5/16 Lock Washer
8X-1376	1	5/16-24 Hex. Nut
8X-1377	1	#10-32 Hex. Nut
X-196	2	#10 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
X-1014	1	5/16 Lock Washer
8X-1376	1	5/16-24 Hex. Nut
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

GBG-46	1	Spring Washer
GBG-47	1	Felt Washer
GBG-48	2	Felt Washer Retainer
GBG-50	1	Gasket
GBG-1056	1	Bearing Retainer Assy.
GBG-56	1	Bearing Retainer
GBG-57	1	Felt Washer Retainer
GBG-58	1	Felt Washer
(GBG-2075)	1	Comm. End Plate Assy.
DA-38	2	Spring Washer
DE-85	1	Steel Washer
GBG-41	2	Brush Holder Plate Screw
GBG-51	2	Plain Washer
GBG-75	1	Comm. End Plate
GBG-1012‡	4	Brush - Main
GBG-1031	1	Brush Holder Plate Assy.
GBG-18R	4	Brush Holder
GBG-36	4	Brush Spring
GBG-40	4	Brush Holder Terminal
GBG-85	4	Brush Holder Stud
GBG-1037	4	Brush Arm
8X-173	4	#10-32 Hex. Nut
X-196	4	#10 Lock Washer
GK-151	1	Plain Steel Washer
X-195	4	#8 Lock Washer
8X-208	1	#10-32x9/16 Hex. Hd. Sc.
8X-305	4	#8-32x1/4 Rd. Hd. Screw
8X-361	2	1/4 Plain Washer
		1 2 3 4 5

Comm. End Plate Assembly (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
X-1270	1	#10 Skpf. Washer
8X-118	6	#10-32x3/4 Fill. Hd. Screw
8X-119	4	#10-32x1/2 Fill. Hd. Screw
X-195	3	#8 Lock Washer
X-196	4	#10 Lock Washer
8X-305	3	#8-32x1/4 Rd. Hd. Screw
X-394	1	Screw-in - Sleeve Oiler
X-440	1	Ball Bearing - Shielded
X-544	6	#10 Lock Washer

Armature Assembly & Parts Used With

DG-73	1	Armature Shaft Sleeve
GBG-49	2	Armature Shaft Spacer
GBG-77	1	Plain Washer
GBG-1072	1	Oil Thrower Assembly
GBG-2076F	1	Armature Assembly
GBM-21	1	Armature Shaft Nut
SP-237	1	Ventilating Fan
X-261	1	#6 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GBG-1088	1	Drive End Head Assy.
GBG-50	1	Gasket
GBG-88	1	Drive End Head
GBG-1056	1	Bearing Retainer Assy.
GBG-56	1	Bearing Retainer
GBG-57	1	Felt Washer Retainer
GBG-58	1	Felt Washer
8X-119	4	#10-32x1/2 Fill. Hd. Screw
X-196	4	#10 Lock Washer
X-440	1	Ball Brg. - Shielded
X-199	5	1/4 Lock Washer
X-394	1	Screw-in - Sleeve Oiler
8X-456	5	1/4-28x1 Hex. Hd. Screw

Miscellaneous Parts

GBG-24A	1	Head Band
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

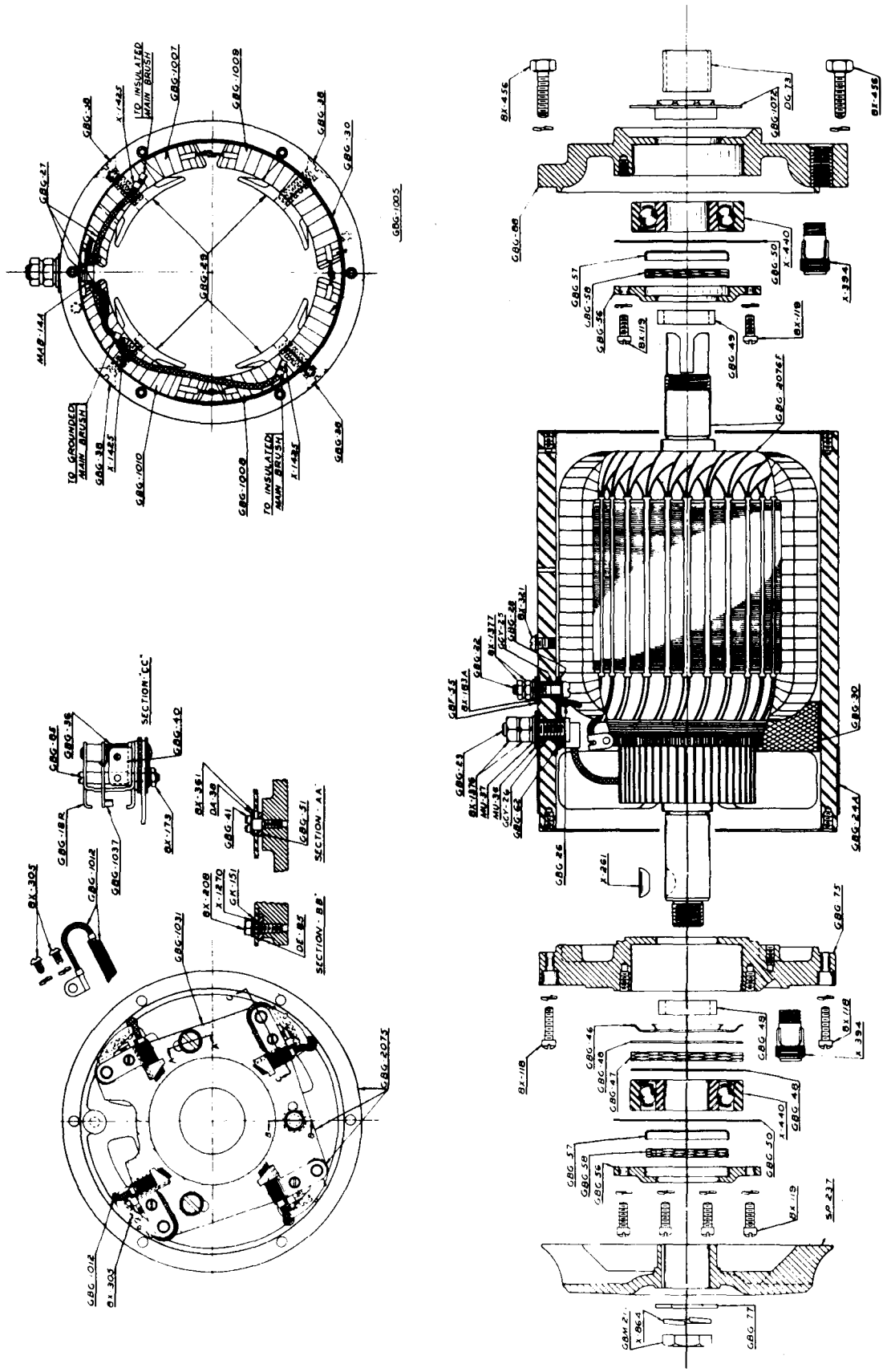
(Issued 7-13-37)

NOTE:- VRA-4102A Current-Voltage Regulator is used with but not a part of this generator.

‡ Service Brush Set GBG-2012S.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GBG-4601 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part 1 2 3 4 5
GBG-83S	1	Mounting Bracket
(GBG-2084)	1	Frame & Field Assy.
GBF-55	1	Insulating Washer
GBG-22	1	Terminal Post
GBG-23	1	Terminal Post - 5/16-24
GBG-27	1	Control Lead Assy.
MAB-14A	1	Terminal
X-1425	2	Terminal
GBG-28	1	Terminal Post Ins.
GBG-29	4	Pole Piece
GBG-30	1	Field Connection Ins.
GBG-38	8	Pole Piece Screw
GBG-62	1	Terminal Post Ins.
GBG-1005	1	Field Coil Assy. - Comp.
GBG-1007	1	Field Coil Assy.-U.R.
GBG-26	1	Terminal
GBG-1008	1	Field Coil - L.L.
GBG-1009	1	Field Coil - L.R.
GBG-1010	1	Field Coil Assy.-U.L.
X-1425	1	Terminal
GCY-27	1	Insulating Bushing
GCY-28	1	Insulating Bushing
MU-36	1	Insulating Washer
MU-37	1	5/16 Plain Washer
8X-183A	1	#10 Plain Washer
X-196	1	#10 Lock Washer
X-1014	1	5/16 Lock Washer
8X-1376	1	5/16-24 Hex. Nut
8X-1377	1	#10-32 Hex. Nut
8X-33	1	3/8-24x11/16 Flat Hd. Sc.
X-196	2	#10 Lock Washer
X-201	3	3/8 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
X-465	3	3/8-24x3/4 Hex. Hd. Screw
X-1014	1	5/16 Lock Washer
8X-1376	1	5/16-24 Hex. Nut
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

DA-60	1	Bearing Retaining Screw
GBG-46	1	Spring Washer
GBG-47	1	Felt Washer
GBG-48	2	Felt Washer Retainer
GBG-63	1	Comm. End Cap Cover
GBG-64	1	End Cap Cover Gasket
GBG-66	1	Bearing Retaining Washer
(GBG-2002)	1	Comm. End Plate Assy.
DA-38	2	Spring Washer
DE-85	1	Steel Washer
GBG-2	1	Comm. End Plate
GBG-41	2	Brush Holder Plate Screw
GBG-51	2	Plain Washer
GBG-1012‡	4	Brush - Main
GBG-1031	1	Brush Holder Plate Assy.
GBG-18R	4	Brush Holder
GBG-36	4	Brush Spring
GBG-40	4	Brush Holder Terminal
GBG-85	4	Brush Holder Stud
GBG-1037	4	Brush Arm
8X-173	4	#10-32 Hex. Nut
X-196	4	#10 Lock Washer
GK-151	1	Plain Steel Washer
		1 2 3 4 5

Comm. End Plate Assembly (Continued)

Part No.	No. Used	Name of Part 1 2 3 4 5
X-195	4	#8 Lock Washer
8X-208	1	#10-32x9/16 Hex. Hd. Sc.
8X-305	4	#8-32x1/4 Rd. Hd. Screw
8X-361	2	1/4 Plain Washer
X-1270	1	#10 Skpf. Washer
8X-118	6	#10-32x3/4 Fill. Hd. Screw
X-195	3	#8 Lock Washer
X-199	1	1/4 Lock Washer
8X-305	3	#8-32x1/4 Rd. Hd. Screw
X-394	1	Screw in - Sleeve Oiler
X-440	1	Ball Brg. - Shielded
X-544	10	#10 Lock Washer
8X-870	4	#10-32x5/16 Fill. Hd. Sc.

Armature Assembly & Parts Used With

GBG-49	2	Armature Shaft Spacer
GBG-2082F	1	Armature Assembly
SP-217	1	Drive Pulley
X-263	1	#8 Woodruff Key
X-1134	1	5/8 Plain Washer
X-1177	1	5/8 Skpf. Washer
X-1178	1	5/8-18 Hex. Nut

Drive End Head Assembly & Parts Used With

GBG-1068	1	Drive End Head Assy.
GBG-50	1	Gasket
GBG-57	1	Felt Washer Retainer
GBG-58	1	Felt Washer
GBG-68	1	Drive End Head
GBG-1056	1	Bearing Retainer Assy.
GBG-56	1	Bearing Retainer
GBG-57	1	Felt Washer Retainer
GBG-58	1	Felt Washer
8X-119	4	#10-32x1/2 Fill. Hd. Sc.
X-196	4	#10 Lock Washer
X-444	1	Ball Brg. - S.A.E. #305
8X-118	6	#10-32x3/4 Fill. Hd. Screw
X-394	1	Screw in - Sleeve Oiler
X-544	6	#10 Lock Washer

Miscellaneous Parts

GBG-24	1	Head Band
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

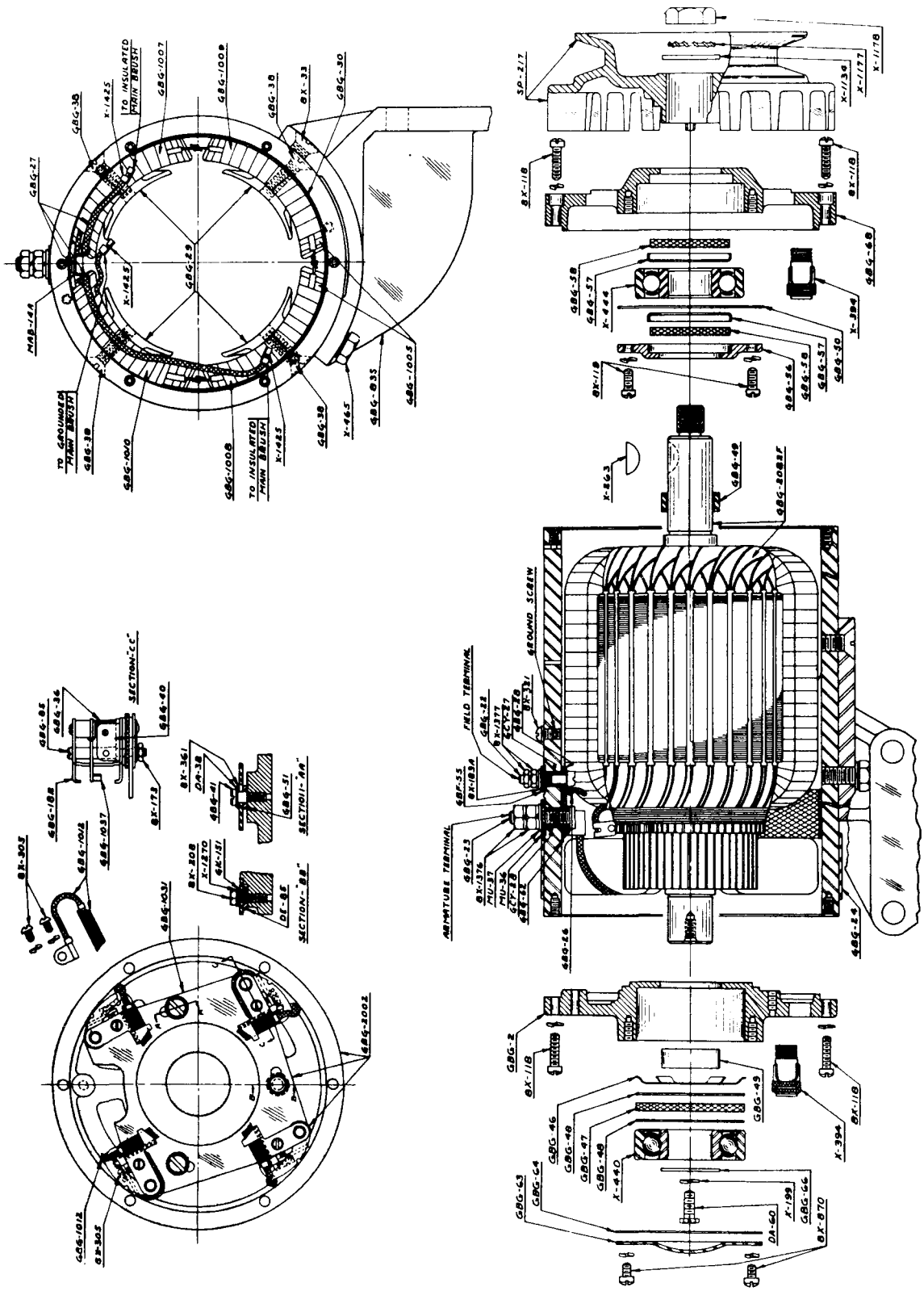
(Issued 8/12/38)

NOTE:- VRA-4102A Current-Voltage Regulator is used with but is not a part of this generator.

‡ Service Brush Set GBG-2012S.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GBG-4602 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GBG-2095)	1	Frame & Field assy.
GBF-55	1	Insulating Washer
GBG-22	1	Terminal Post
GBG-23	1	Terminal Post
GBG-27	1	Control Lead Assy.
MAB-14A	1	Terminal
X-1425	2	Terminal
GBG-28	1	Term Post Insulation
GBG-29	4	Pole Piece
GBG-30	1	Field Connection Ins.
GBG-38	8	Pole Piece Screw
GBG-62	1	Term. Post Insulation
GBG-94	1	Dowel
GBG-1005	1	Field Coil Assy.-Comp.
GBG-1007	1	Field Coil Assy.-U.R.
GBG-26	1	Terminal
GBG-1008	1	Field Coil - L. L.
GBG-1009	1	Field Coil - L. R.
GBG-1010	1	Field Coil Assy.-U.L.
X-1425	1	Terminal
GCY-27	1	Insulating Bushing
GCY-28	1	Insulating Bushing
MU-36	1	Insulating Washer
MU-37	1	5/16 Plain Washer
8X-183A	1	#10 Plain Washer
X-196	1	#10 Lock Washer
X-1014	1	5/16 Lock Washer
8X-1376	1	5/16-24 Hex. Nut
8X-1377	1	#10-32 Hex. Nut
X-196	2	#10 Lock Washer
X-1014	1	5/16 Lock Washer
8X-1376	1	5/16-24 Hex. Nut
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

DA-60	1	Bearing Retaining Screw
GBG-46	1	Spring Washer
GBG-47	1	Felt Washer
GBG-48	2	Felt Washer Retainer
GBG-63	1	Comm. End Cap Cover
GBG-64	1	End Cap Cover Gasket
GBG-66	1	Bearing Retaining Washer
(GBG-2002)	1	Comm. End Plate Assy.
DA-38	2	Spring Washer
DE-85	1	Steel Washer
GBG-2	1	Comm. End Plate
GBG-41	2	Brush Holder Plate Screw
GBG-51	2	Plain Washer
GBG-1012‡	4	Brush - Main
GBG-1031	1	Brush Holder Plate Assy.
GBG-18R	4	Brush Holder
GBG-36	4	Brush Spring
GBG-40	4	Brush Holder Term.
GBG-85	4	Brush Holder Stud
GBG-1037	4	Brush Arm
8X-173	4	#10-32 Hex. Nut
X-196	4	#10 Lock Washer
GK-151	1	Plain Steel Washer
X-195	4	#8 Lock Washer
8X-208	1	#10-32x9/16 Hex.Hd.Screw
		1 2 3 4 5

Comm. End Plate Assembly (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
8X-305	4	#8-32x1/4 Rd.Hd.Screw
8X-361	2	1/4 Plain Washer
X-1270	1	#10 Skpf. Washer
8X-118	6	#10-32x3/4 Fill.Hd.Screw
X-195	3	#8 Lock Washer
X-196	10	#10 Lock Washer
X-199	1	1/4 Lock Washer
8X-305	3	#8-32x1/4 Rd. Hd. Screw
X-394	1	Screw in - Sleeve Oiler
X-440	1	Ball Bearing - Shielded
8X-870	4	#10-32x5/16 Fill. Hd. Screw

Armature Assembly & Parts Used With

GBG-49	2	Armature Shaft Spacer
GBG-55	1	Armature Shaft Nut
GBG-2091F	1	Armature Assembly
SP-227	1	Ventilating Fan
X-261	1	#6 Woodruff Key
X-1018	1	5/8 Lock Washer
X-1178	1	5/8-18 Hex. Nut

Drive End Head Assembly & Parts Used With

GBG-1068	1	Drive End Head Assy.
GBG-50	1	Gasket
GBG-57	1	Felt Washer Retainer
GBG-58	1	Felt Washer
GBG-68	1	Drive End Head
GBG-1056	1	Bearing Retainer Assy.
GBG-56	1	Bearing Retainer
GBG-57	1	Felt Washer Retainer
GBG-58	1	Felt Washer
8X-119	4	#10-32x1/2 Fill.Hd.Screw
X-196	4	#10 Lock Washer
X-444	1	Ball Brg. - SAE #305
8X-118	6	#10-32x3/4 Fill. Hd. Screw
X-394	1	Screw in - Sleeve Oiler
X-544	6	#10 Lock Washer

Miscellaneous Parts

GBG-24	1	Head Band
8X-321	1	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 4-25-41)

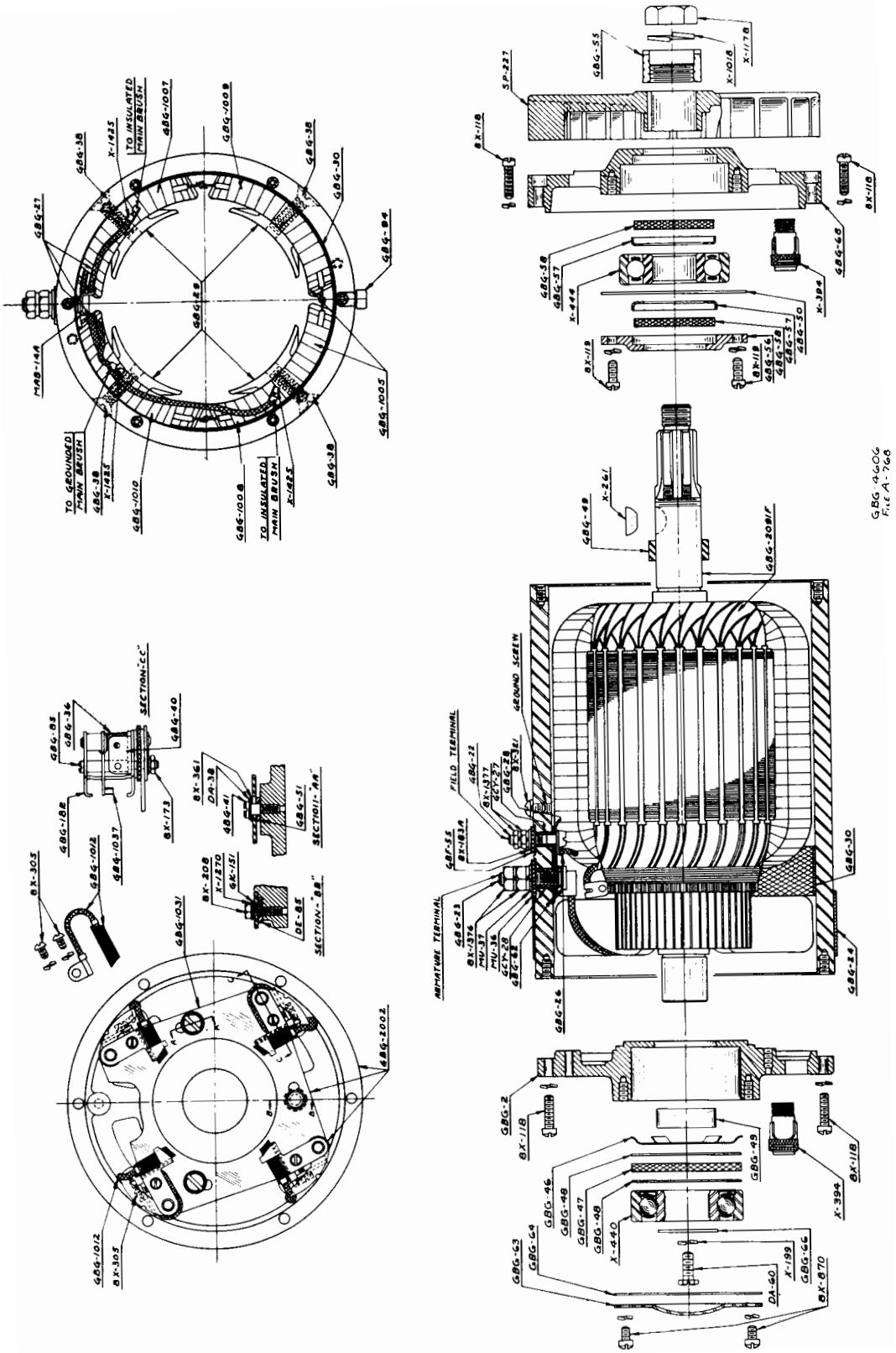
NOTE:- VRA-4102A Current-Voltage Regulator is used with but is not a part of this generator.

‡ Service Brush Set GBG-2012S.

UNIT	APPLICATION
GBG-4606	Reo Truck

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GBG-4606 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBG-101	1	Mounting Bracket
(GBG-2099)	1	Frame & Field Assy.
GBF-55	1	Insulating Washer
GBG-22	1	Terminal Post
GBG-23	1	Terminal Post - 5/16-24
GBG-27	1	Control Lead Assy.
MAB-14A	1	Terminal
X-1425	2	Terminal
GBG-28	1	Terminal Post Insulation
GBG-29	4	Pole Piece
GBG-30	1	Field Connection Ins.
GBG-38	8	Pole Piece Screw
GBG-62	1	Terminal Post Insulation
GBG-1005	1	FIELD COIL ASSY.- COMP.
GBG-1007	1	Field Coil Assy.-U.R.
GBG-26	1	Terminal
GBG-1008	1	Field Coil - L.L.
GBG-1009	1	Field Coil - L.R.
GBG-1010	1	Field Coil Assy.-U.L.
X-1425	1	Terminal
GCY-27	1	Insulating Bushing
GCY-28	1	Insulating Bushing
MU-36	1	Insulating Washer
MU-37	1	5/16 Plain Washer
8X-183A	1	#10 Plain Washer
X-196	1	#10 Lock Washer
X-1014	1	5/16 Lock Washer
8X-1376	1	5/16-24 Hex. Nut
8X-1377	1	#10-32 Hex. Nut
8X-115	4	5/16-24x3/4 Hex. Hd. Cap Sc.
X-196	2	#10 Lock Washer
X-203	4	5/16 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
X-1014	1	5/16 Lock Washer
8X-1376	1	5/16-24 Hex. Nut
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

DA-60	1	Bearing Retaining Screw
GBG-46	1	Spring Washer
GBG-47	1	Felt Washer
GBG-48	2	Felt Washer Retainer
GBG-63	1	Comm. End Cap Cover
GBG-64	1	End Cap Cover Gasket
GBG-66	1	Bearing Retaining Washer
(GBG-2093)	1	Comm. End Plate Assy.
DA-38	2	Spring Washer
DE-85	1	Steel Washer
GBG-41	2	Brush Holder Plate Screw
GBG-51	2	Plain Washer
GBG-93	1	Comm. End Plate
GBG-1012‡	4	Brush - Main
GBG-1031	1	Brush Holder Plate Assy.
GBG-18R	4	Brush Holder
GBG-36	4	Brush Spring
GBG-40	4	Brush Holder Terminal
GBG-85	4	Brush Holder Stud
GBG-1037	4	Brush Arm
8X-173	4	#10-32 Hex. Nut
X-196	4	#10 Lock Washer
GK-151	1	Plain Steel Washer
X-195	4	#8 Lock Washer
8X-208	1	#10-32x9/16 Hex. Hd. Sc.
8X-305	4	#8-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

Comm. End Plate Assembly (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
8X-361	2	1/4 Plain Washer
X-1270	1	#10 Skpf. Washer
8X-118	6	#10-32x3/4 Fill. Hd. Screw
X-195	3	#8 Lock Washer
X-196	10	#10 Lock Washer
X-199	1	1/4 Lock Washer
8X-305	3	#8-32x1/4 Rd. Hd. Screw
X-394	1	Screw In - Sleeve Oiler
X-440	1	BALL BEARING - Shielded
8X-870	4	#10-32x5/16 Fill. Hd. Screw

Armature Assembly & Parts Used With

GBG-49	2	Armature Shaft Spacer
GBG-2082F	1	Armature Assembly
*	1	Drive Pulley
X-263	1	#8 Woodruff Key
X-1134	1	5/8 Plain Washer
X-1177	1	5/8 Skpf. Washer
X-1178	1	5/8-18 Hex. Nut

Drive End Head Assembly & Parts Used With

GBG-1003A	1	Drive End Head Assembly
GBG-3A	1	Drive End Head
GBG-50	1	Gasket
GBG-57	1	Felt Washer Retainer
GBG-58	1	Felt Washer
GBG-1056	1	Bearing Retainer Assy.
GBG-56	1	Bearing Retainer
GBG-57	1	Felt Washer Retainer
GBG-58	1	Felt Washer
8X-119	4	#10-32x1/2 Fill. Hd. Sc.
X-196	4	#10 Lock Washer
X-444	1	BALL BEARING - S.A.E. #305
8X-118	6	#10-32x3/4 Fill. Hd. Screw
X-394	1	Screw In - Sleeve Oiler
X-544	6	#10 Lock Washer

Miscellaneous Parts

GBG-24A	1	Head Band
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 5-9-39)

Assembly No.	Drive Pulley
GBG-4608	None
GBG-4608A	SP-342

NOTE:- VRA-4102A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

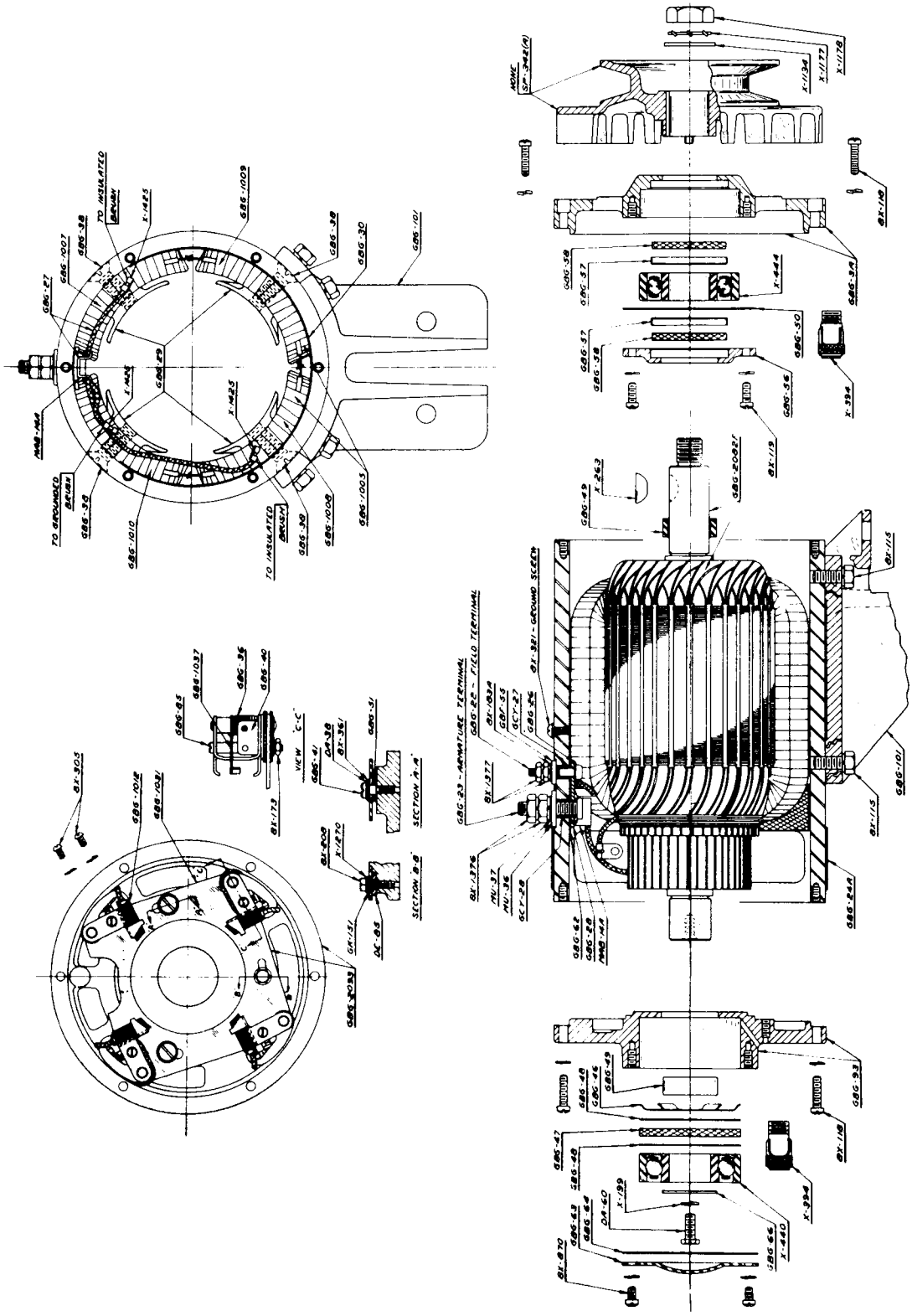
* See table following parts list for part number applying to assembly wanted.

‡ Service BRUSH SET GBG-2012S.

UNIT	APPLICATION
GBG-4608,A	White

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking su -parts the complete part can be assembled as needed."

GBG-4608,A GENERATOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

PRELIMINARY

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GBG-3124)	1	Frame & Field Assy.
GBF-55	1	Insulating Washer
GBG-22	1	Terminal Post
GBG-23	1	Terminal Post-5/16-24
GBG-28	1	Terminal Post Ins.
GBG-29	4	Pole Piece
GBG-30	1	Field Connection Ins.
GBG-38	8	Pole Piece Screw
GBG-62	1	Terminal Post Ins.
GBG-128	1	Lead Assembly
GBG-121	1	Terminal
X-1425	2	Terminal
GBG-1005A	1	FIELD COIL ASSY.-Comp.
GBG-1007A	1	Field Coil Assy.-U.R.
X-1425	1	Terminal
GBG-1008	1	Field Coil - L.L.
GBG-1009	1	Field Coil - L.R.
GBG-1010A	1	Field Coil Assy.-U.L.
GBG-26	1	Terminal
GCY-27	1	Insulating Bushing
GCY-28	1	Insulating Bushing
MU-36	1	Insulating Washer
MU-37	1	5/16 Plain Washer
8X-183A	1	#10 Plain Washer
X-196	1	#10 Lock Washer
X-1014	1	5/16 Lock Washer
8X-1376	1	5/16-24 Hex. Nut
8X-1377	1	#10-32 Hex. Nut
X-196	2	#10 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Sc.
X-1014	1	5/16 Lock Washer
8X-1376	1	5/16-24 Hex. Nut
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

DA-60	1	Bearing Retaining Screw
GAM-75	1	Oil Wick
GBG-46	1	Spring Washer
GBG-47	1	Felt Washer
GBG-48	2	Felt Washer Retainer
GBG-63	1	Comm. End Cap Cover
GBG-64	1	End Cap Cover Gasket
GBG-66	1	Bearing Retaining Washer
(GBG-3126)	1	Comm. End Plate Assy.
DA-38	2	Spring Washer
DE-85	1	Steel Washer
GBG-41	2	Br. Holder Plate Screw
GBG-51	2	Plain Washer
GBG-126	1	Comm. End Plate
GBG-1012†	4	Brush - Main
GBG-2031	1	Brush Holder Plate Assy.
GBG-18L	4	Brush Holder
GBG-36L	4	Brush Spring
GBG-40L	4	Brush Holder Term.
GBG-85	4	Brush Holder Stud
GBG-1037L	4	Brush Arm
8X-173	4	#10-32 Hex. Nut
X-196	4	#10 Lock Washer
GK-151	1	Plain Steel Washer
X-195	4	#8 Lock Washer
8X-208	1	#10-32x9/16 Hex. Hd. Sc.
		1 2 3 4 5

Comm. End Plate Assembly (Con't.)

Part No.	No. Used	Name of Part
		1 2 3 4 5
8X-305	4	#8-32x1/4 Rd. Hd. Sc.
8X-361	2	1/4 Plain Washer
X-1270	1	#10 Skpf. Washer
8X-118	6	#10-32x3/4 Fill. Hd. Sc.
X-195	3	#8 Lock Washer
X-196	10	#10 Lock Washer
X-199	1	1/4 Lock Washer
8X-305	3	#8-32x1/4 Rd. Hd. Screw
X-394	1	Screw-in - Sleeve Oiler
X-440	1	BALL BEARING - Shielded
8X-870	4	#10-32x5/16 Fill. Hd. Sc.

Armature Assembly & Parts Used With

GBG-49	2	Armature Shaft Spacer
GBG-2082F	1	ARMATURE ASSEMBLY
SP-466	1	Drive Pulley
X-263	1	#8 Woodruff Key
X-1134	1	5/8 Plain Washer
X-1177	1	5/8 Skpf. Washer
X-1178	1	5/8-18 Hex. Nut

Drive End Head Assembly & Parts Used With

GAM-75	1	Felt Wick
GBG-1127	1	Drive End Head Assy.
GBG-50	1	Gasket
GBG-57	1	Felt Washer Retainer
GBG-58	1	Felt Washer
GBG-127	1	Drive End Head
GBG-1056	1	Bearing Retainer Assy.
GBG-56	1	Bearing Retainer
GBG-57	1	Felt Washer Retainer
GBG-58	1	Felt Washer
8X-119	4	#10-32x1/2 Fill. Hd. Sc.
X-196	4	#10 Lock Washer
X-444	1	BALL BEARING - S.A.E. #305
8X-118	6	#10-32x3/4 Fill. Hd. Screw
X-394	1	Screw-in - Sleeve Oiler
X-544	6	#10 Lock Washer

Miscellaneous Parts

GBG-24	1	Head Band
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 10-31-41)

† Service BRUSH SET GBG-2012S.

NOTE:-VRA-4105A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GBG-4612,A	Hercules

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBJ-33	1	Grounding Cup
(GBJ-2001)	1	Frame & Field Assy.
GAA-27	1	Terminal Post
GAA-32	2	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GBJ-29B	2	Pole Piece
GBJ-31	1	Terminal Post Lead Assy.
GAA-27	1	Terminal Post
X-1425	1	Terminal
GBJ-1005	1	Field Coil Assy.-Comp.
GBJ-1007	1	Field Coil Assy.-Left
X-976	1	Terminal
GBJ-1008	1	Field Coil - Right
GBW-66	2	Terminal Post Bottom Ins.
GCT-25	2	Insulating Bushing
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
5X-177	2	#14-24 Hex. Nut
X-193	2	#14 Lock Washer
8X-361	2	1/4 Plain Washer
GK-20	2	Frame Screw
SP-82	1	Instruction Plate
5X-177	2	#14-24 Hex. Nut
5X-193	2	#14 Lock Washer
X-199	2	1/4 Lock Washer
X-453	2	#2x5/16 Drive Screw

Comm. End Plate Assembly & Parts Used With

DA-22	1	Bearing Retaining Washer
DA-39	1	Flat Oil Guard
DA-60	1	Bearing Retaining Screw
GAB-188	1	Felt Washer
GBJ-25	1	End Cap Cover Gasket
GBJ-32	1	Comm. End Cap Cover
(GBJ-2002)	1	Comm. End Plate Assy.
GAL-51	2	3rd Brush Plate Retaining Spring
GAL-1161	1	3rd Brush Plate Assy.
GBJ-1002	1	C.E. Plate Part Assy.
GBJ-1012‡	2	Brush - Main
GBJ-1013‡	1	Brush - Third
8X-56	2	#8-32x7/16 Rd. Hd. Sc.
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Sc.
GR-32	1	Felt Washer Retainer
X-195	2	#8 Lock Washer
X-199	1	1/4 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
8X-305	2	#8-32x1/4 Rd. Hd. Sc.
X-489	1	1/4 Oiler - Press in Type
X-544	3	#10 Lock Washer
6X-870	3	#10-32x5/16 Fill. Hd. Sc.
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBJ-2006	1	Armature Assy.
GAR-171	2	Snap Ring
GK-175	1	Armature Shaft Nut
X-260	1	#5 Woodruff Key
X-1280	1	11/16 Skpf. Washer

Drive End Head Assembly & Parts Used With

GBJ-1003	1	Drive End Head Assy.
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GBJ-3	1	D.E. Head
GG-164	2	Felt Washer
6X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
6X-1003	3	#10-32x7/8 Rd. Hd. Sc.

Miscellaneous Parts

GBW-1024A	1	Head Band Assy.
X-715	1	#10-32x1 1/4 Rd. Hd. Sc.
6X-794	1	#10-32 Square Nut
		1 2 3 4 5

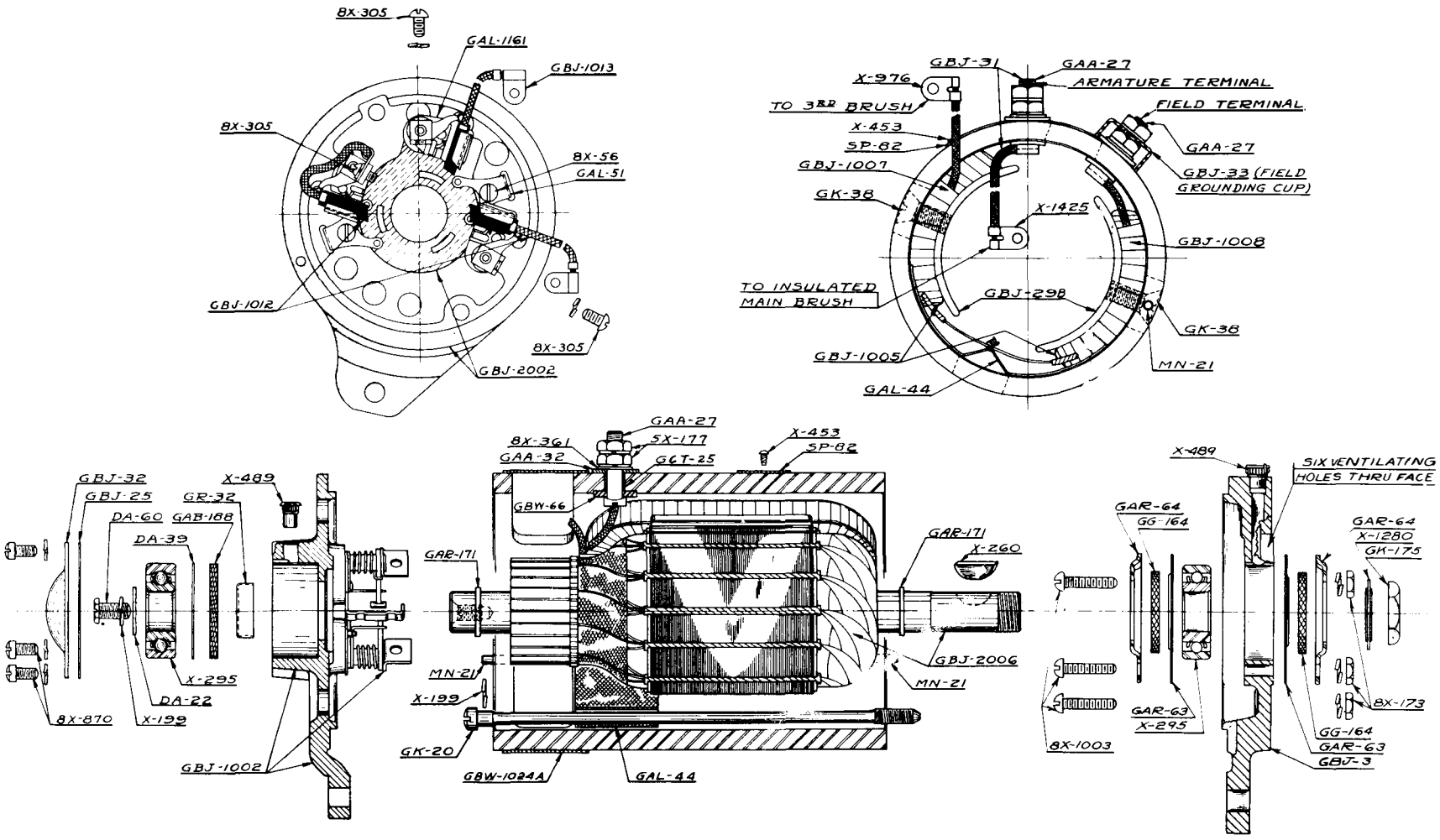
(Issued 4-25-41)

‡ Service Brush Set GBJ-2012S.

UNIT	APPLICATION
GBJ-4201	Service Unit

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GBJ-4201 GENERATOR ILLUSTRATION



GBJ-4201
FILE A-757

Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part 1 2 3 4 5
GBJ-33	1	Grounding Cup
(GBJ-2034)	1	Frame & Field Assy.
GAA-27	1	Terminal Post
GAA-32	2	Term. Post Top Ins.
GAL-44	1	Field Connection Ins.
GAM-40	1	Aligning Dowel
GBJ-29B	2	Pole Piece
GBJ-31	1	Term. Post Lead Assy.
GAA-27	1	Terminal Post
X-1425	1	Terminal
GBJ-1005	1	Field Coil Assy.-Comp.
GBJ-1007	1	Field Coil Assy.-Left
X-976	1	Terminal
GBJ-1008	1	Field Coil - Right
GBW-66	2	Term. Post Bottom Ins.
GCT-25	2	Insulating Bushing
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
5X-177	2	#14-24 Hex. Nut
X-193	2	#14 Look Washer
8X-361	2	1/4 Plain Washer
GK-20	2	Frame Screw
5X-177	2	#14-24 Hex. Nut
X-193	2	#14 Look Washer
X-199	2	1/4 Look Washer

Comm. End Plate Assy. & Parts Used With

DA-22	1	Bearing Retaining Washer
DA-39	1	Flat Oil Guard
DA-60	1	Bearing Retaining Screw
DJ-4	1	Comm. End Cap Cover
DJ-10	1	End Cap Cover Gasket
(GAL-2213C)	1	Comm. End Plate Assy.
GAL-51	2	3rd Brush Plate Retaining Spring
GAL-1161	1	3rd Brush Plate Assy.
GAL-1213A	1	C. E. Plate Part Assy.
GBJ-1012‡	2	Brush - Main
GBJ-1013‡	1	Brush - Third
8X-56	2	#8-32x7/16 Rd. Hd. Sc.
X-195	1	#8 Look Washer
8X-305	1	#8-32x1/4 Rd. Hd. Sc.
GR-32	1	Felt Washer Retainer
GR-35	1	Felt Washer
X-195	2	#8 Look Washer
X-199	1	1/4 Look Washer
X-295	1	Ball Bearing - S.A.E. #203
8X-305	2	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
X-544	3	#10 Look Washer
6X-870	3	#10-32x5/16 Fill. Hd. Screw 1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part 1 2 3 4 5
GAA-69	1	Lock Spring Ring
GBJ-2035	1	Armature Assy.
GAR-171	2	Snap Ring
SP-96	1	Ventilating Fan
X-258	1	#3 Woodruff Key

Drive End Head Assy. & Parts Used With

GAR-1062A	1	Drive End Head Assy.
GAR-62A	1	Drive End Head
GAR-63	1	Felt Guard
GAR-64	2	Bearing Retainer
GG-164	1	Felt Washer
6X-173	3	#10-32 Hex. Nut
X-295	1	Ball Brg. - S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
6X-1003	3	#10-32x7/8 Rd. Hd. Sc.
X-1270	3	#10 Skpf. Washer

Miscellaneous Parts

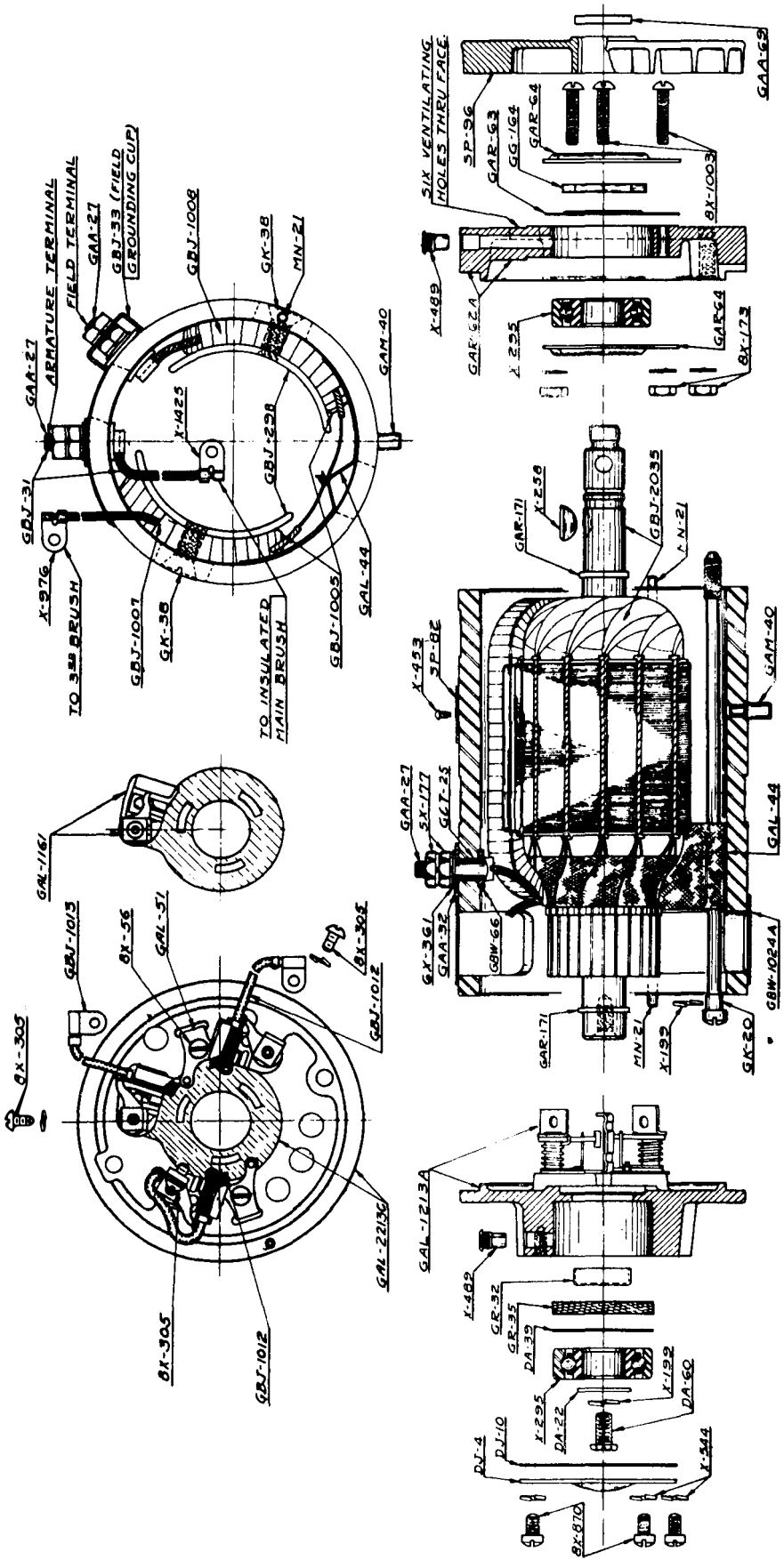
GBW-1024A	1	Head Band Assy.
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
6X-794	1	#10-32 Square Nut 1 2 3 4 5

(Issued 11-16-38)

‡ Service Brush Set GBM-2012AS.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GBJ-4202 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part 1 2 3 4 5
(GBJ-2040)	1	**Frame & Field Assy.**
GAL-44	1	**Field** Connection Ins.
GAR-211A	1	**Insulating** Bushing
GBJ-29B	2	**Pole** Piece
GBJ-1005A	1	**Field** Coil Assy. - Comp.
GBJ-1007A	1	Field Coil Assy. - Left
GAL-289	1	C.B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GBJ-1008A	1	Field Coil - Right
X-767	1	Terminal
GK-38	2	**Pole** Piece Screw
MN-21	2	**Dowel** Pin
GK-20	2	**Frame** Screw
X-199	2	1/4 Lock Washer

Comm. End Plate Assembly & Parts Used With

DA-22	1	Bearing Retaining Washer
DA-39	1	Flat Oil Guard
DA-60	1	Bearing Retaining Screw
GAB-188	1	**Felt** Washer
GBJ-25	1	**End** Cap Cover Gasket
GBJ-32	1	**Comm.** End Cap Cover
(GBJ-2002)	1	**Comm.** End Plate Assy.
GAL-51	2	3rd Brush Plate Retain'g Spring
GAL-1161	1	3rd Brush Plate Assy.
GBJ-1002	1	C.E. Plate Part Assy.
GBJ-1012‡	2	Brush - Main
GBJ-1013‡	1	Brush - Third
8X-56	2	#8-32x7/16 Rd. Hd. Screw
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
GR-32	2	Felt Washer Retainer
X-195	2	#8 Lock Washer
X-199	1	1/4 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
8X-305	2	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Screw 1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part 1 2 3 4 5
GBJ-2041	1	Armature Assy.
GAR-171	2	Snap Ring
GK-175	1	Armature Shaft Nut
X-260	1	#5 Woodruff Key
X-1280	1	11/16 Skpf. Washer

Drive End Head Assembly & Parts Used With

GBJ-1003	1	Drive End Head Assy.
GAR-63	2	**Felt** Guard
GAR-64	2	Bearing Retainer
GBJ-3	1	D.E. Head
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Screw

Miscellaneous Parts

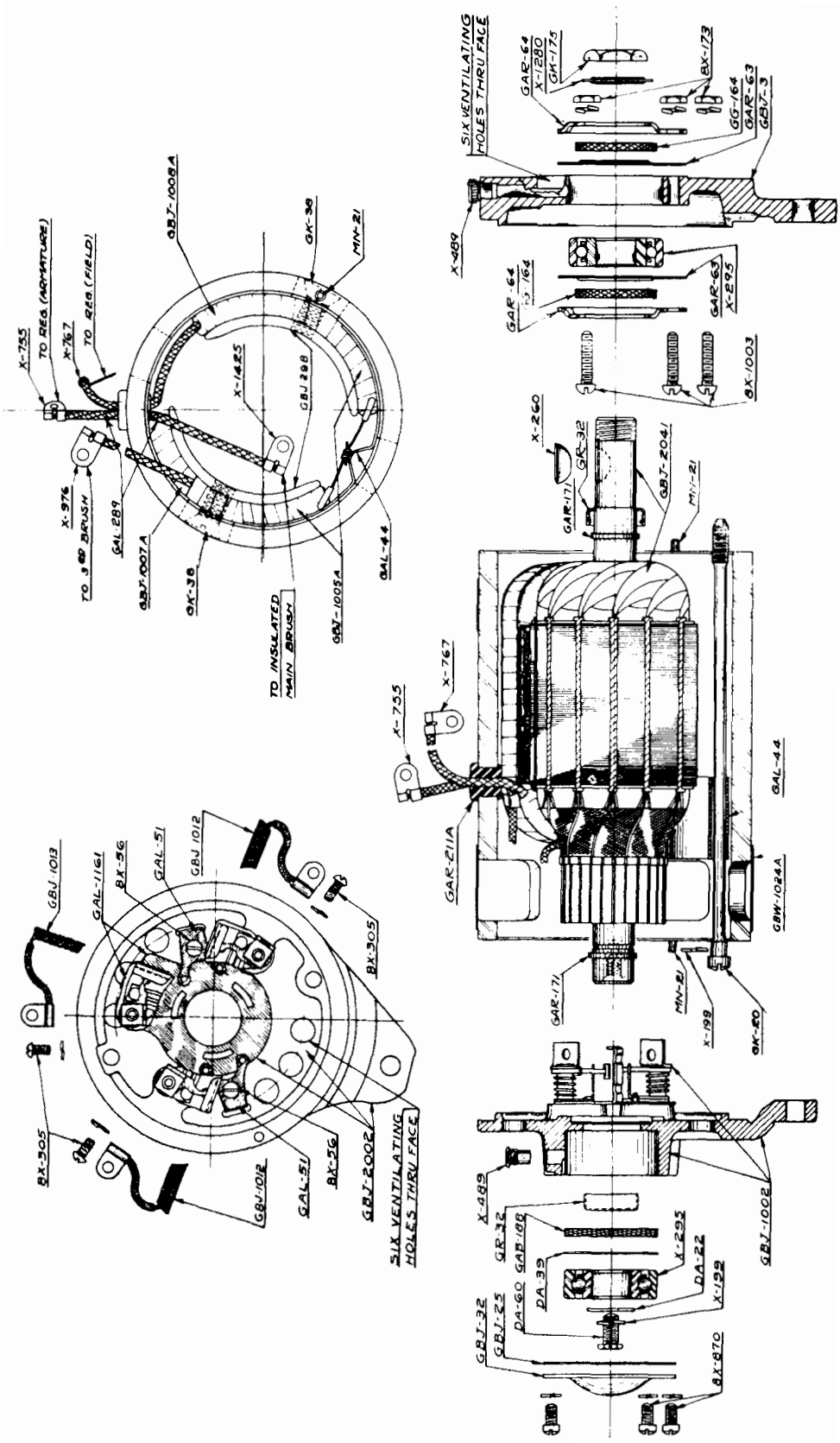
GBW-1024A	1	Head Band Assy.
TC-4302A	1	Two Charge Regulator
X-196	4	#10 Lock Washer
8X-321	4	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut 1 2 3 4 5

(Issued 12-11-36)

‡ Service Brush Set GBJ-2012S.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GBJ-4204 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
CBF-39S	1	Mounting Bracket
(GBJ-2043)	1	Frame & Field Assembly
GAL-44	1	Field Connection Ins.
GAR-211	1	Insulating Bushing
GBJ-29B	2	Pole Piece
GBJ-1005A	1	Field Coil Assy. - Comp.
GBJ-1007A	1	Field Coil Assy.-Left
GAL-289	1	C.B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GBJ-1008A	1	Field Coil Assy.-Right
X-767	1	Terminal
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
GK-20	2	Frame Screw
X-199	2	1/4 Lock Washer
X-534	2	1/4 Lock Washer
X-909	2	1/4-28x7/16 Fill. Hd. Screw

Comm. End Plate Assembly & Parts Used With

DA-22	1	Bearing Retaining Washer
DA-39	1	Flat Oil Guard
DA-60	1	Bearing Retaining Screw
DJ-4	1	Comm. End Cap Cover
DJ-10	1	End Cap Cover Gasket
(GAL-2213C)	1	Comm. End Plate Assembly
GAL-51	2	3rd Brush Plate Retain'g Spring
GAL-1161	1	3rd Brush Plate Assembly
GAL-1213A	1	C.E. Plate Part Assembly
GBJ-1012‡	2	Brush - Main
GBJ-1013‡	1	Brush - Third
8X-56	2	#8-32x7/16 Rd. Hd. Screw
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
GR-32	1	Felt Washer Retainer
GR-35	1	Felt Washer
X-195	2	#8 Lock Washer
X-199	1	1/4 Lock Washer
X-295	1	Ball Brg. - S.A.E. 203
8X-305	2	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBJ-2042	1	Armature Assembly
GAR-171	2	Snap Ring
GK-175	1	Armature Shaft Nut
GR-32	1	Felt Washer Retainer
SP-137	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-1280	1	11/16 Skpf. Washer

Drive End Head Assembly & Parts Used With

GBJ-1039	1	Drive End Head Assembly
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GBJ-39	1	D.E. Head
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Screw

Miscellaneous Parts

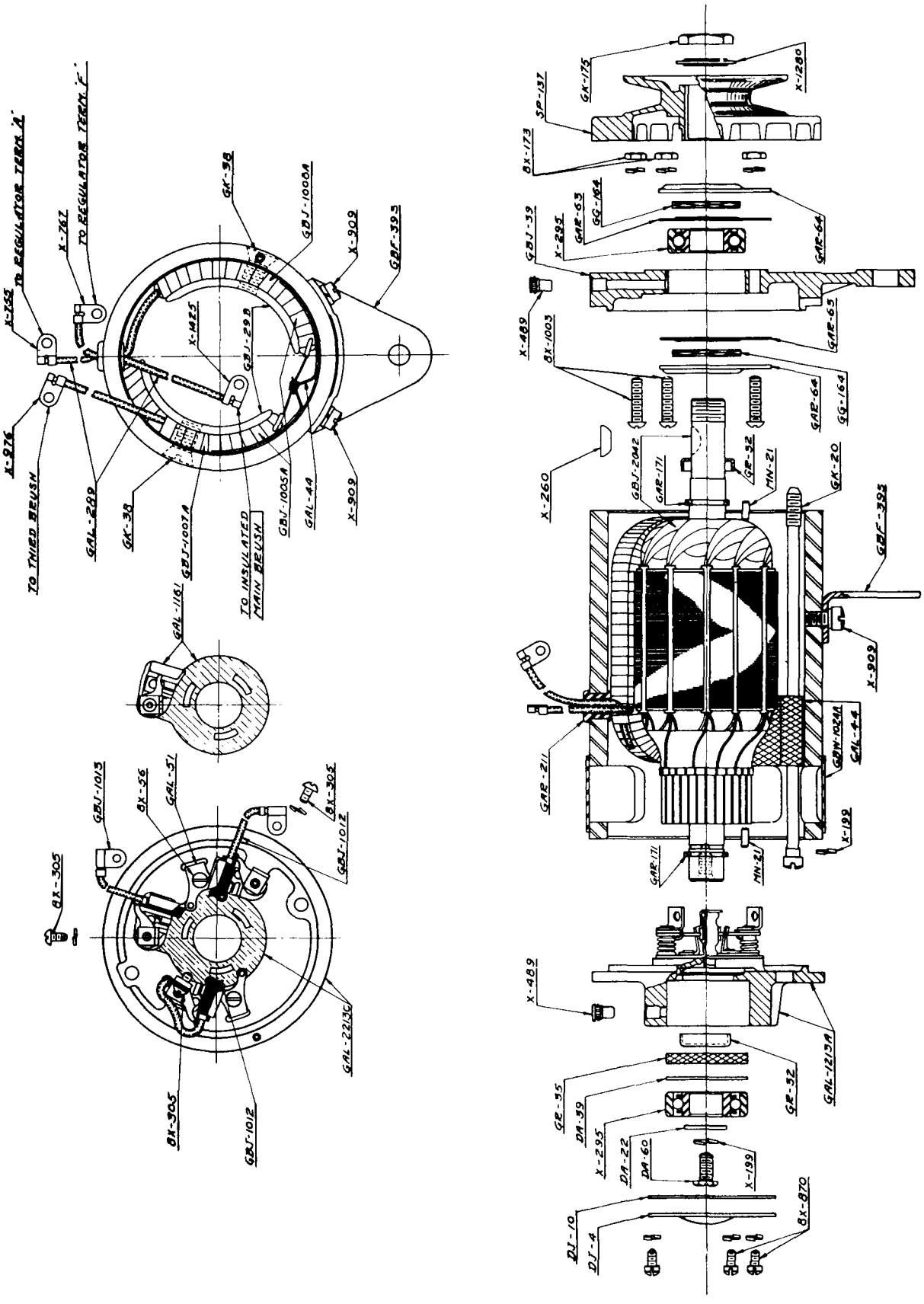
GBW-1024A	1	Head Band Assembly
TC-4302A	1	Two Charge Regulator
X-196	4	#10 Lock Washer
8X-321	4	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 1-25-37)

‡ Service Brush Set GBJ-2012S.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GBJ-4205 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GBJ-2052)	1	Frame & Field Assy.
GAL-44	1	Field Connection Ins.
GAR-211	1	Ins. Bushing
GBJ-29B	2	Pole Piece
GBJ-1005A	1	Field Coil Assy.-Comp.
GBJ-1007A	1	Field Coil Assy.-Left
GAL-289	1	C.B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GBJ-1008A	1	Field Coil - Right
GK-38	2	Pole Piece Screw
MN-21	1	Dowel Pin
GT-20	2	Frame Screw
X-199	2	1/4 Lock Washer

Comm. End Plate Assembly & Parts Used With

DA-22	1	Bearing Retaining Washer
DA-39	1	Flat Oil Guard
DA-60	1	Bearing Retaining Screw
DJ-4	1	Comm. End Cap Cover
DJ-10	1	End Cap Cover Gasket
(GBJ-2054)	1	Comm. End Plate Assy.
GAL-51	2	3rd Brush Plate Retain'g Spring
GAL-1161	1	3rd Brush Plate Assy.
GBJ-1012‡	2	Brush - Main
GBJ-1013‡	1	Brush - Third
GBJ-1054	1	Comm. End Plate Part Assy
8X-56	2	#8-32x7/16 Rd. Hd. Screw
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
GR-32	1	Felt Washer Retainer
GR-35	1	Felt Washer
X-195	2	#8 Lock Washer
X-199	1	1/4 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
8X-305	2	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBJ-2051	1	Armature Assembly
GAR-171	1	Snap Ring
GK-174	1	1/2 Plain Washer
X-157	1	1/2-20 Slotted Nut
X-261	1	#6 Woodruff Key
X-404	1	3/32x1 Cotter Pin

Drive End Head Assembly & Parts Used With

GBJ-1053	1	Drive End Head Assy.
GBJ-44	1	Lock Spring Ring
GBJ-45	1	Bearing Retainer-Large
GBJ-46	1	Bearing Retainer-Small
GBJ-47	1	Felt Washer
GBJ-48	1	Bearing Retaining Nut
GBJ-49	1	Felt Washer
GBJ-53	1	D.E. Head
GBJ-55	1	Oiler
X-1254	2	Roller Bearing

Miscellaneous Parts

GBW-1024A	1	Head Band Assembly
TC-4302A	1	Two Charge Regulator & Circuit Breaker
8X-321	4	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
X-1270	4	#10 Skpf. Washer
		1 2 3 4 5

(Issued 5-22-40)

Unit	Application
GBJ-4601	Service Generator

‡ Service Brush Set GBJ-2012S.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GBJ-4601 GENERATOR ILLUSTRATION

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
	1 2 3 4 5	
GAL-225	1	Fuse Cover
(GBK-2099)	1	Frame & Field Assy.
GAL-44	1	Field Connection Ins.
GAL-1224	1	Fuse Holder
GAM-1005E	1	Field Coil Assy.-Comp.
GAM-1007D	1	Field Coil Assy.-Left
GAL-76	1	C.B. Lead Assy.
X-755	1	Terminal
X-947	1	Terminal - Spade Type - L.H.
X-946	1	Terminal
GAM-1008A	1	Field Coil Assy.-Right
X-976	1	Terminal
GAR-211	1	Insulating Bushing
GBK-29	2	Pole Piece
GK-38	2	Pole Piece Screw
8X-59	1	#8-32x3/16 Rd. Hd. Sc.
X-195	1	#8 Lock Washer
GJ-20	2	Frame Screw
X-535	2	1/4 Lock Washer
X-842	1	Fuse - 5 Ampere

Comm. End Plate Assembly & Parts Used With

(GAM-3050C)	1	Comm. End Plate Assy.
GAL-199	2	Brush Screw Block
GAL-242	2	Brush Holder
GAL-243	2	Brush Spring
GAM-12‡	2	Brush - Main
GAM-56	2	3rd Brush Plate Retain'g. Spring
GAM-69	1	Ground Connector Assy.
X-958	1	Terminal
X-1031	1	Terminal
GAM-2050E	1	C.E. Plate Part Assy.
X-390	1	Oiler - 1/4 Hinged Top
GAM-2058A	1	3rd Brush Holder Plate Assembly
GAL-13‡	1	Brush - 3rd
GAL-199	1	Brush Screw Block
GAL-242	1	Brush Holder
GAL-243	1	Brush Spring
GAM-1058A	1	3rd Brush Holder Plate Part Assembly
6X-47	1	#8-32x9/16 Rd. Hd. Sc.
6X-59	1	#8-32x3/16 Rd. Hd. Sc.
X-195	1	#8 Lock Washer
X-1276	1	#8 Skpf. Washer
6X-47	2	#8-32x9/16 Rd. Hd. Sc.
6X-59	2	#8-32x3/16 Rd. Hd. Sc.
6X-63	2	#8-32x3/8 Flat Hd. Sc.
X-195	3	#8 Lock Washer
X-1276	1	#8 Skpf. Washer
	1 2 3 4 5	

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
	1 2 3 4 5	
GBK-2055	1	Armature Assembly
GAR-171	1	Snap Ring
GBM-21	1	Armature Shaft Nut
SP-135	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-1280	1	11/16 Skpf. Washer

Drive End Head Assembly & Parts Used With

GBJ-1003A	1	Drive End Head Assy.
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GBF-95	1	Dowel Pin
GBJ-3A	1	Drive End Head
GG-164	2	Felt Washer
6X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
6X-1003	3	#10-32x7/8 Rd. Hd. Sc.

Miscellaneous Parts

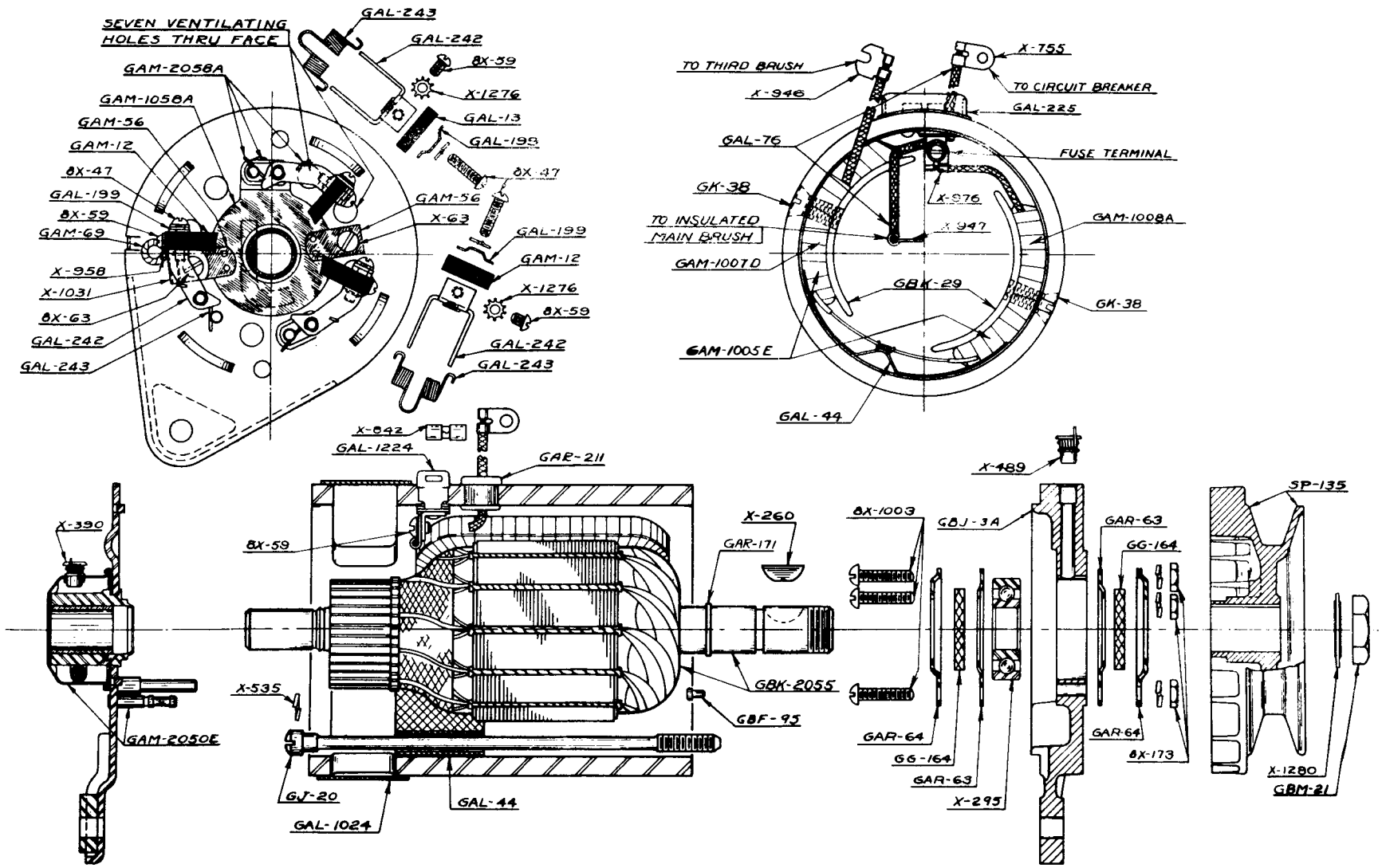
CB-4023	1	Circuit Breaker Assy.
CB-123	1	Armature Spring
CB-160	1	C.B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Sc.
GAL-1024	1	Head Band Assembly
X-196	2	#10 Lock Washer
8X-321	2	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
	1 2 3 4 5	

(Issued 10-21-37)

‡ Service Brush Set GAM-2012.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GBK-4604 GENERATOR ILLUSTRATION



Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GAM-2095)	1	Frame & Field Assy.
GAL-44	1	Field Connection Ins.
GAM-29	2	Pole Piece
GAM-1005F	1	Field Coil Assy.-Comp.
GAM-1007E	1	Field Coil Assy.-Left
GAL-289	1	C. B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GAM-1008	1	Field Coil Assy.-Right
X-959	1	Terminal
GAR-211	1	Insulating Bushing
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
6X-140	1	#6-32 Hex. Nut
X-194	1	#6 Lock Washer
6X-1008	1	#6-32x9/16 Rd. Hd. Sc.
GJ-20	2	Frame Screw
X-199	2	1/4 Lock Washer

Comm. End Plate Assy. & Parts Used With

(GAR-2110C)	1	Comm. End Plate Assy.
GAL-51	2	3rd Brush Plate Retaining Spring
GAR-73	1	Oil Wick
GAR-75	1	Oil Guard
GAR-78	1	Gasket
GAR-79	1	C. E. Cap Cover
GAR-98	1	Wick Cover
GAR-1072	1	3rd Brush Holder Plate Assy
GAR-1110A	1	C. E. Plate Part Assy.
GBF-79	1	Absorbent Bronze Brg.
GBM-1012A‡	2	Brush - Main
GBM-1013A‡	1	Brush - Third
8X-56	2	#8-32x7/16 Rd. Hd. Sc.
X-195	1	#8 Lock Washer
X-196	3	#10 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Sc.
X-489	1	1/4 Oiler - Press in Type
8X-870	3	#10-32x5/16 Fill. Hd. Sc.
X-195	2	#8 Lock Washer
8X-305	2	#8-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GBM-2006	1	Armature Assy.
GAR-171	1	Snap Ring
GR-32	1	Felt Washer Retainer
SP-149	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assy. & Parts Used With

GBJ-1003	1	Drive End Head Assy.
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GBJ-3	1	D. E. Head
GG-164	2	Felt Washer
6X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
6X-1003	3	#10-32x7/8 Rd. Hd. Sc.

Miscellaneous Parts

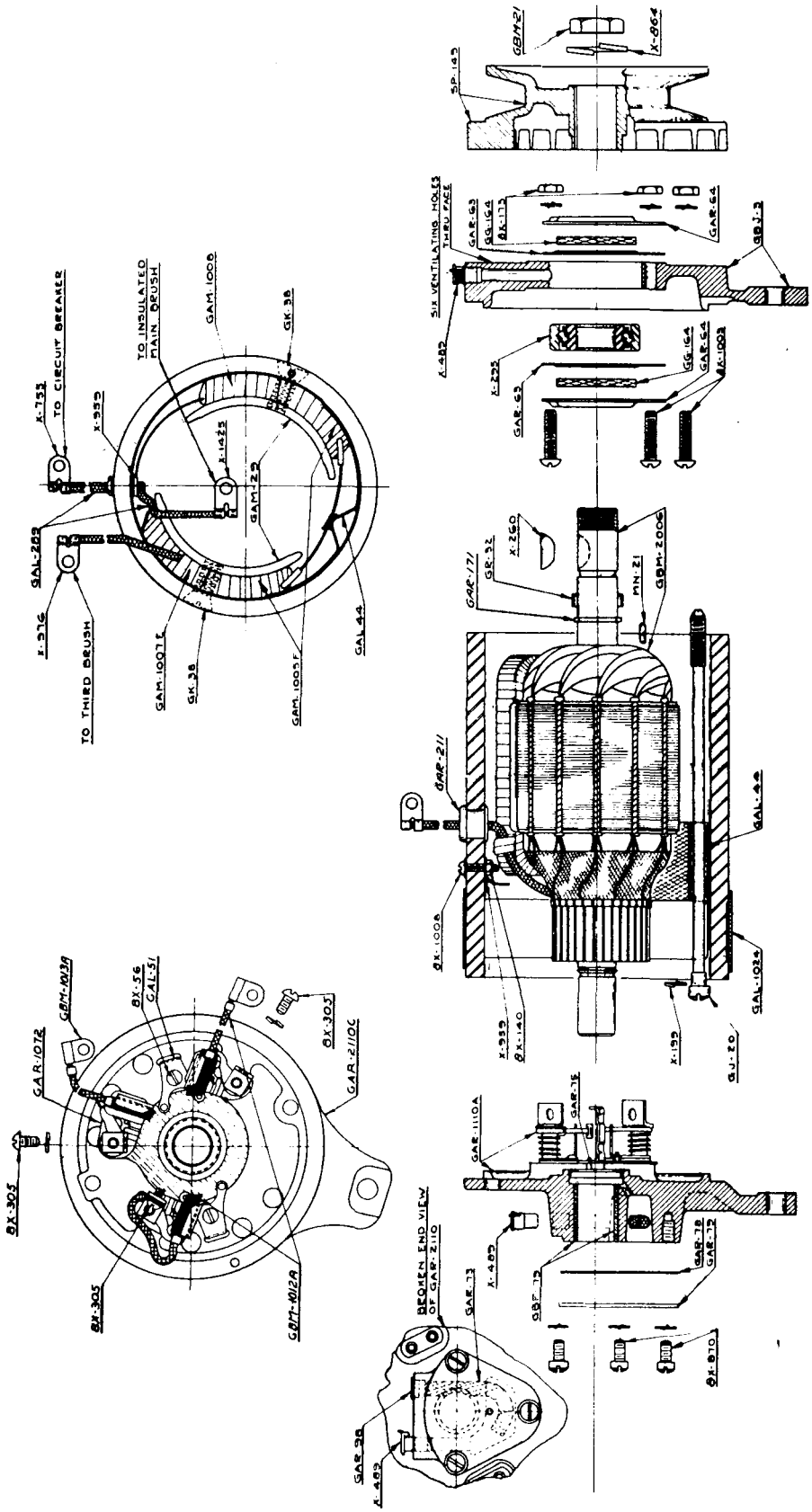
CB-4014	1	Circuit Breaker Assy.
CB-123	1	Armature Spring
CB-160S	1	C. B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Sc.
GAL-1024	1	Head Band Assy.
X-196	2	#10 Lock Washer
6X-321	2	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
6X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 11-16-38)

‡ Service Brush Set GBM-2012AS.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GBM-4601 GENERATOR ILLUSTRATION



Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GAM-2095)	1	Frame & Field Assy.
GAL-44	1	Field Connection Ins.
GAM-29	2	Pole Piece
GAM-1005F	1	Field Coil Assy.-Comp.
GAM-1007E	1	Field Coil Assy.-Left
GAL-289	1	C. B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GAM-1008	1	Field Coil Assy.-Right
X-959	1	Terminal
GAR-211	1	Insulating Bushing
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
6X-140	1	#6-32 Hex. Nut
X-194	1	#6 Lock Washer
6X-1008	1	#6-32x9/16 Rd. Hd. Sc.
GJ-20	2	Frame Screw
X-199	2	1/4 Lock Washer

Comm. End Plate Assy. & Parts Used With

(GAR-2110C)	1	Comm. End Plate Assy.
GAL-51	2	3rd Brush Plate Retaining Spring
GAR-73	1	Oil Wick
GAR-75	1	Oil Guard
GAR-78	1	Gasket
GAR-79	1	C. E. Cap Cover
GAR-98	1	Wick Cover
GAR-1072	1	3rd Brush Holder Plate Assy.
GAR-1110A	1	C. E. Plate Part Assy.
GBF-79	1	Absorbent Bronze Brg.
GBM-1012A‡	2	Brush - Main
GBM-1013A‡	1	Brush - Third
8X-56	2	#8-32x7/16 Rd. Hd. Sc.
X-195	1	#8 Lock Washer
X-196	3	#10 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Sc.
X-489	1	1/4 Oiler - Press in Type
8X-870	3	#10-32x5/16 Fill. Hd. Sc.
X-195	2	#8 Lock Washer
8X-305	2	#8-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GBM-2006	1	Armature Assy.
GAR-171	1	Snap Ring
GR-32	1	Felt Washer Retainer
SP-150	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assy. & Parts Used With

GBJ-1003	1	Drive End Head Assy.
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GBJ-3	1	D. E. Head
GG-164	2	Felt Washer
6X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
6X-1003	3	#10-32x7/8 Rd. Hd. Sc.

Miscellaneous Parts

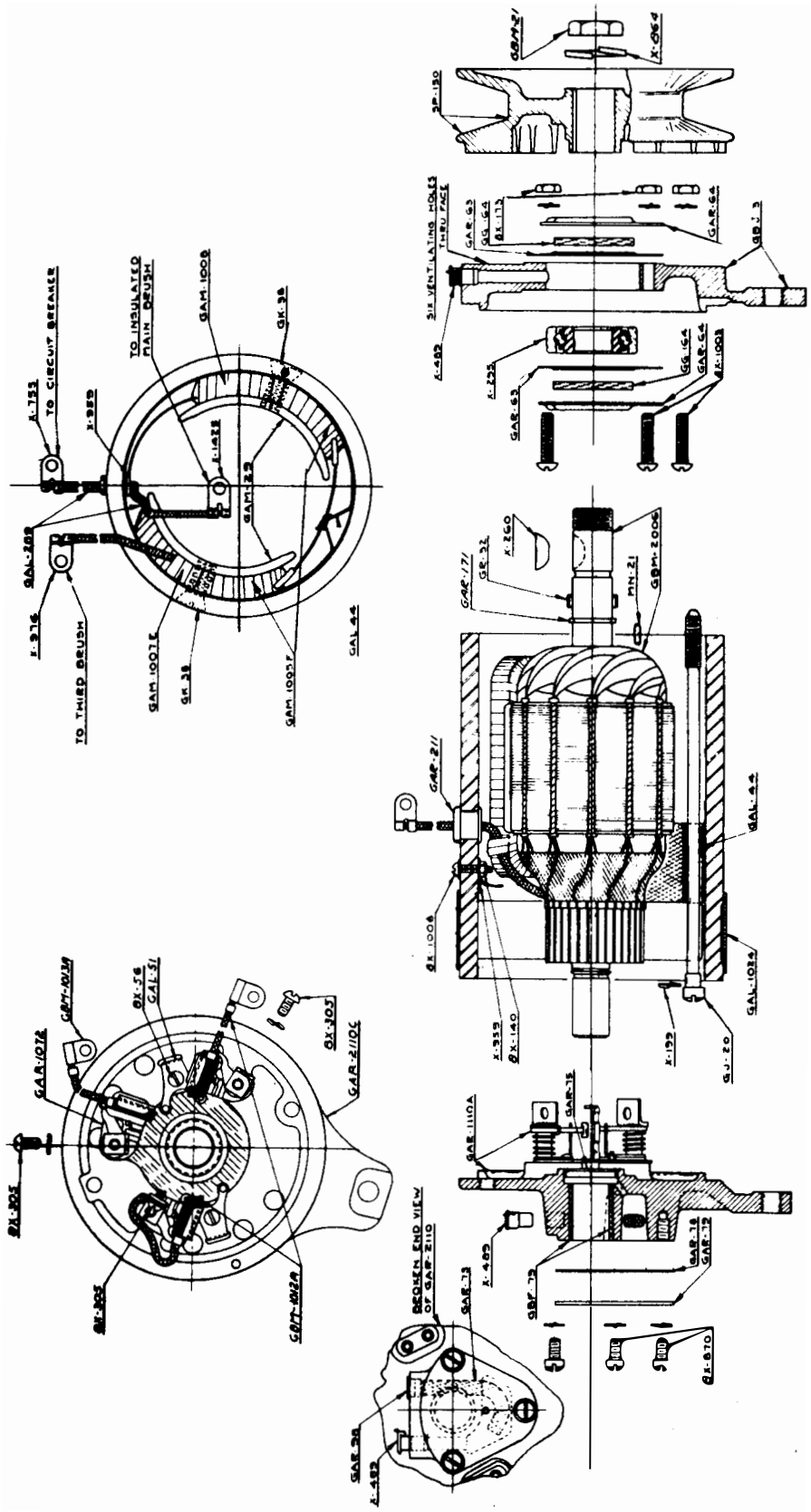
CB-4014	1	Circuit Breaker Assy.
CB-123	1	Armature Spring
CB-160S	1	C. B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Sc.
GAL-1024	1	Head Band Assy.
X-196	2	#10 Lock Washer
6X-321	2	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
6X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 11-16-38)

‡ Service Brush Set GBM-2012AS.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GBM-4602 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GAM-2096)	1	Frame & Field Assembly
GAL-44	1	Field Connection Ins.
GAM-29	2	Pole Piece
GAM-10C5F	1	Field Coil Assy.-Comp.
GAM-10C7F	1	Field Coil Assy.-Left
GAL-289	1	C.B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GAM-1008	1	Field Coil Assy.-Right
X-959	1	Terminal
GAR-211	1	Insulating Bushing
GK-38B	2	Pole Piece Screw
MN-21	2	Dowel Pin
6X-140	1	#6-32 Hex. Nut
X-194	1	#6 Lock Washer
6X-1008	1	#6-32x9/16 Rd. Hd. Sc.
MW-20A	2	Frame Screw
12X-199	2	1/4 Lock Washer

Comm. End Plate Assembly & Parts Used With

(GAR-2110B)	1	Comm. End Plate Assembly
GAL-51	2	3rd Brush Plate Retain'g Spring
GAR-73	1	Oil Wick
GAR-75	1	Oil Guard
GAR-78	1	Gasket
GAR-79A	1	C.E. Cap Cover
GAR-98A	1	Wick Cover
GAR-1072	1	3rd Br. Holder Plate Assembly
GAR-2110A	1	C.E. Plate Part Assy.
CBF-79	1	Absorbent Bronze Brg.
8X-56	2	#8-32x7/16 Rd. Hd. Sc.
12X-196	3	#10 Lock Washer
X-489	1	1/4 Oiler - Press in Type
8X-870	3	#10-32x5/16 Fill. Hd. Sc.
GBM-1012	2	Brush - Main
GBM-1013	1	Brush - Third
X-195	3	#8 Lock Washer
8X-305	3	#8-32x1/4 Rd. Hd. Screw

Armature Assembly & Parts Used With

GBM-21	1	Armature Shaft Nut
GBM-2006F	1	Armature Assembly
GAR-171	1	Snap Ring
GR-32	1	Felt Washer Retainer
*	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer
		1 2 3 4 5

* See table following parts list for part number applying to assembly wanted.

Drive End Head Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBJ-1003C	1	Drive End Head Assembly
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GBJ-3C	1	D.E. Head
GG-164	2	Felt Washer
6X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
6X-1003	3	#10-32x7/8 Rd. Hd. Screw

Miscellaneous Parts

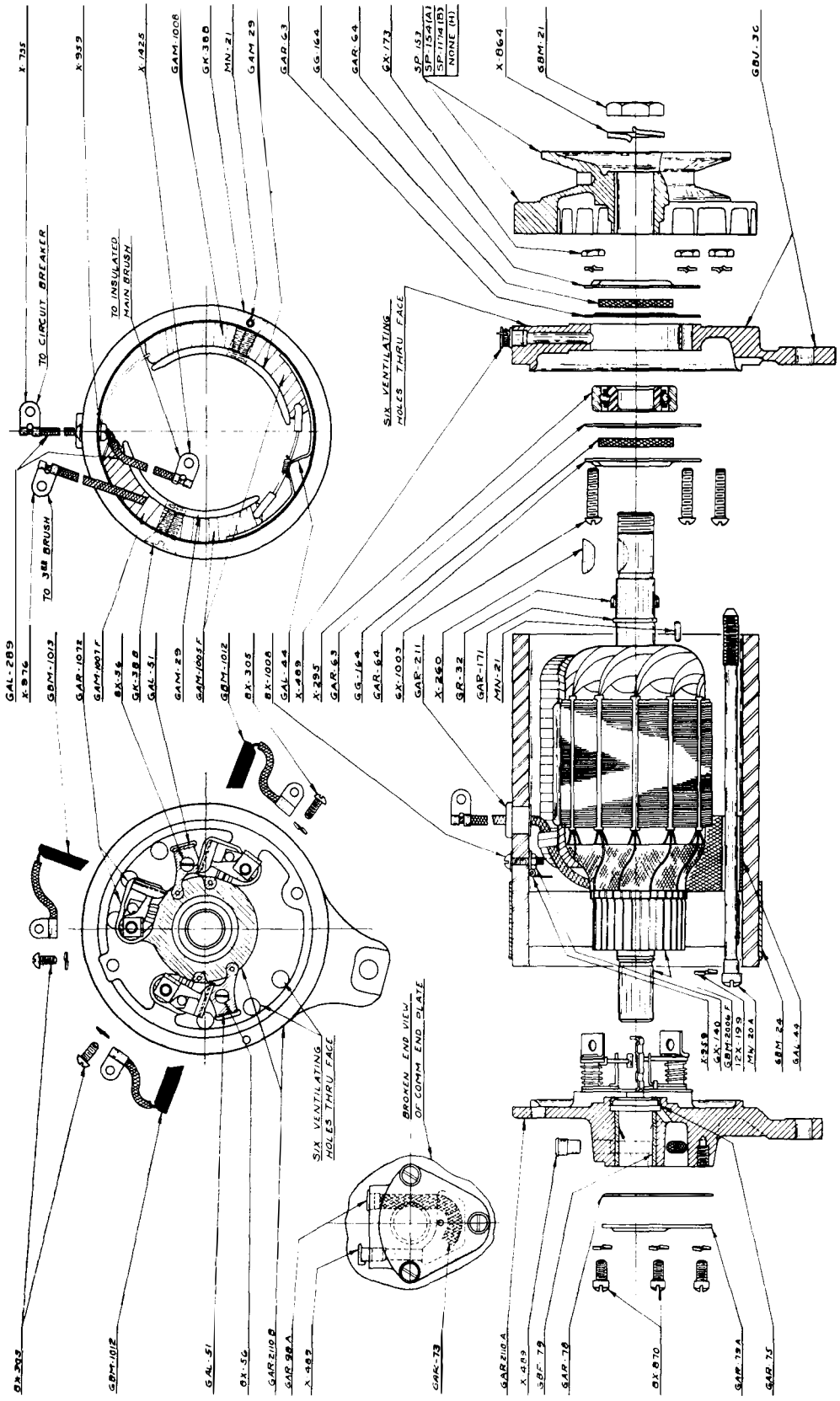
CB-4014	1	Circuit Breaker Assembly
CB-123	1	Armature Spring
CB-160	1	C.B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Sc.
GBM-24	1	Head Band
8X-321	2	#10-32x5/16 Rd. Hd. Screw
8X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
X-1270	2	#10 Skpf. Washer
		1 2 3 4 5

(Issued 11-1-35)

Assembly No.	Drive Pulley
GBM-4603	SP-153
GBM-4603A	SP-154
GBM-4603B	SP-1174
GBM-4603H	None

"NOTE: Where part numbers are shown in parenthesis they re for reference only. By stocking sub-parts the complete part can be assembled as needed."

GBM-4603 & A - H GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAL-225	1	Fuse Cover
(GAM-2097)	1	Frame & Field Assy.
GAL-44	1	Field Connection Ins.
CAL-1224	1	Fuse Holder
GAM-29	2	Pole Piece
GAM-1005G	1	Field Coil Assy.-Comp.
GAM-1007E	1	Field Coil Assy.-Left
GAL-289	1	C.B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GAM-1008A	1	Field Coil Assy.-Right
X-976	1	Terminal
GAR-211	1	Insulating Bushing
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-59	1	#8-32x3/16 Rd. Hd. Screw
X-195	1	#8 Lock Washer
GJ-20	2	Frame Screw
X-199	2	1/4 Lock Washer
X-842	1	Fuse - 5 Ampere

Comm. End Plate Assembly & Parts Used With

(GAR-2110)	1	Comm. End Plate Assy.
GAL-51	2	3rd Brush Plate Retain'g Spring
GAR-73	1	Oil Wick
GAR-75	1	Oil Guard
GAR-78	1	Gasket
GAR-79	1	C.E. Cap Cover
GAR-98	1	Wick Cover
GAR-1012‡	2	Brush - Main
GAR-1072	1	3rd Br. Holder Plate Assy.
GAR-1110A	1	C.E. Plate Part Assy.
GBF-79	1	Absorbent Bronze Brg.
GBJ-1013‡	1	Brush - Third
8X-56	2	#8-32x7/16 Rd. Hd. Screw
X-195	1	#8 Lock Washer
X-196	3	#10 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
8X-870	3	#10-32x5/16 Fill. Hd. Sc.
X-195	2	#8 Lock Washer
8X-305	2	#8-32x1/4 Rd. Hd. Screw

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
*	1	Armature Shaft Spacer
GBM-21	1	Armature Shaft Nut
GBM-2006B	1	Armature Assembly
GAR-171	1	Snap Ring
GR-32	1	Felt Washer Retainer
*	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GBJ-1003	1	Drive End Head Assy.
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GBJ-3	1	D.E. Head
GG-164	2	Felt Washer
6X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
6X-1003	3	#10-32x7/8 Rd. Hd. Sc.

Miscellaneous Parts

CB-4021	1	Circuit Breaker Assy.
CB-123	1	Armature Spring
CB-160	1	C.B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	3	#10 Lock Washer
8X-312	2	#10-32x1/4 Rd. Hd. Sc.
GAL-1024	1	Head Band Assembly
X-196	2	#10 Lock Washer
8X-321	2	#10-32x5/16 Rd. Hd. Sc.
X-715	1	#10-32x1 1/4 Rd. Hd. Sc.
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 9-1-37)

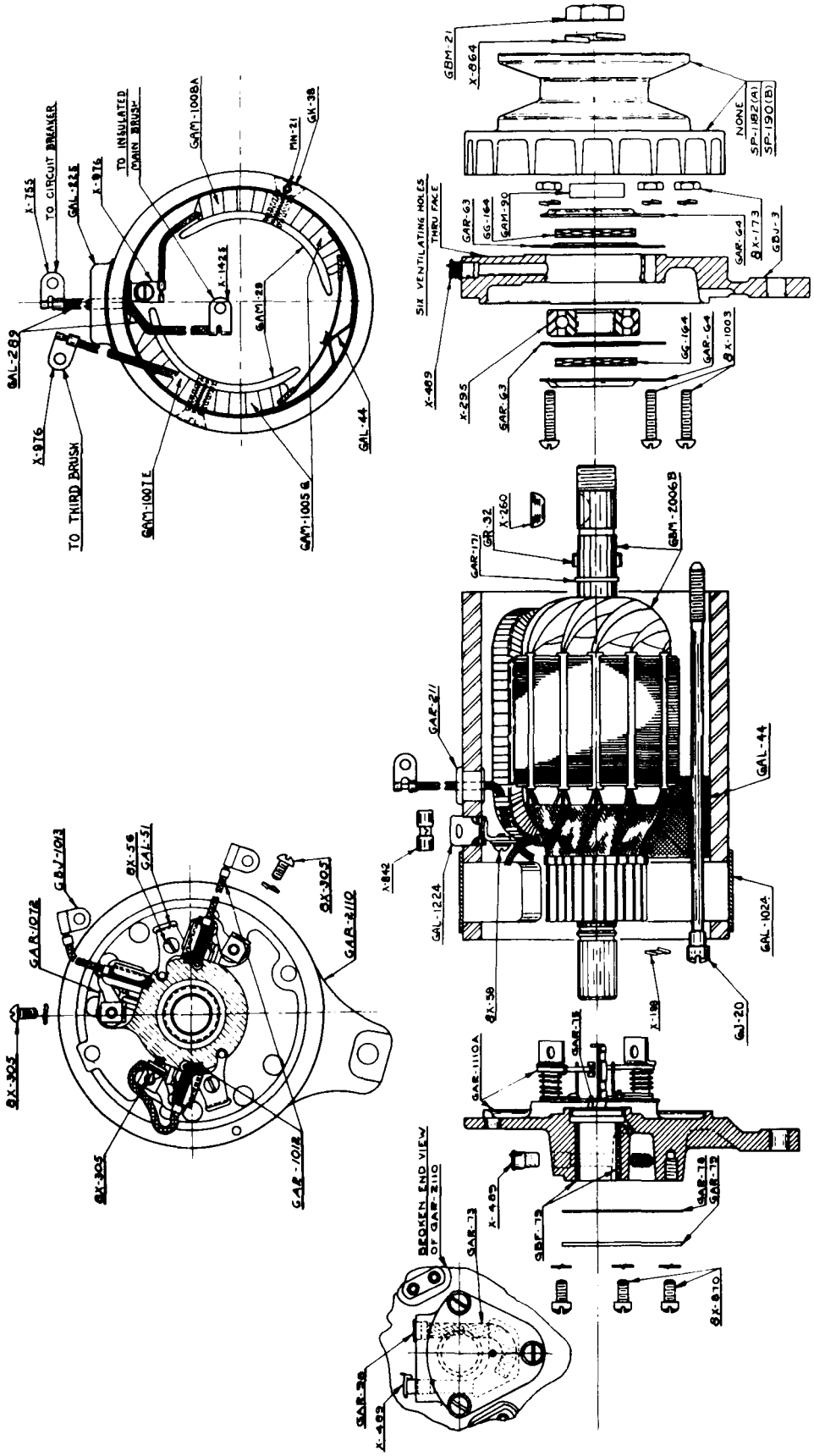
Assembly No.	Armature Shaft Spacer	Drive Pulley
GBM-4604	GAM-90	None
GBM-4604A	None	SP-1182
GBM-4604B	None	SP-190

* See table following parts list for part number applying to assembly wanted.

‡ Service Brush Set GAR-2012S.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GBM-4604,A,B GENERATOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

PRELIMINARY

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GAM-2096)	1	Frame & Field Assy.
GAL-44	1	Field Connection Ins.
GAM-29	2	Pole Piece
GAM-1005F	1	FIELD COIL ASSY.-Comp.
GAM-1007E	1	Field Coil Assy.-Left
GAL-289	1	C.B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GAM-1008	1	Field Coil Assy.-Right
X-959	1	Terminal
GAR-211	1	Insulating Bushing
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-140	1	#6-32 Hex. Nut
X-194	1	#6 Lock Washer
8X-1008	1	#6-32x9/16 Rd. Hd. Sc.
MW-20A	2	Frame Screw
12X-199	2	1/4 Lock Washer

Comm. End Plate Assembly & Parts Used With

(GAR-2194)	1	Comm. End Plate Assy.
GAR-73	1	Oil Wick
GAR-98A	1	Wick Cover
GAR-1014A	1	3rd Br. Holder Plate Assembly
GAR-1194A	1	C.E. Plate Part Assy.
GBF-79	1	ABSORBENT BRONZE BEARING
GBM-1012A†	2	Brush - Main
GBM-1013A†	1	Brush - Third
GBW-69	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GBW-1068B	1	Comm. End Cap Cover
GCJ-51	1	3rd Br. Plate Retaining Spring
12X-195	5	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Sc.
8X-311	1	#10-32x3/8 Rd. Hd. Sc.
8X-888	4	#8-32x5/16 Fill. Hd. Sc.
X-195	2	#8 Lock Washer
8X-305	2	#8-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GBM-2065F	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GR-32	1	Felt Washer Retainer
*	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GBJ-1003C	1	Drive End Head Assy.
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GBJ-3C	1	Drive End Head
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	BALL BRG. - S.A.E. #203
X-489	1	1/4 Oiler-Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Sc.

Miscellaneous Parts

CB-4014	1	CIRCUIT BREAKER ASSY.
CB-123	1	Armature Spring
CB-160S	1	C.B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Sc.
GBM-24	1	Head Band
8X-321	2	#10-32x5/16 Rd. Hd. Screw
8X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
X-1270	2	#10 Skpf. Washer
		1 2 3 4 5

(Issued 4-25-41)

Assembly No.	Drive Pulley
GBM-4606	None
GBM-4606A	SP-1174
GBM-4606B	SP-1220
GBM-4606C	SP-1234

† Service BRUSH SET GBM-2012AS.

* See table following parts list for part number applying to assembly wanted.

UNIT	APPLICATION
GBM-4606	
GBM-4606A	Dodge, Plymouth
GBM-4606B	Plymouth Truck
GBM-4606C	Dodge, Plymouth

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAL-225	1	Fuse Cover
(GAM-2097)	1	Frame & Field Assy.
GAL-44	1	Field Connection Ins.
GAL-1224	1	Fuse Holder
GAM-29	2	Pole Piece
GAM-1005G	1	Field Coil Assy.-Comp.
GAM-1007E	1	Field Coil Assy.-Left
GAL-289	1	C. B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GAM-1008A	1	Field Coil Assy.-Right
X-976	1	Terminal
GAR-211	1	Insulating Bushing
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-59	1	#8-32x3/16 Rd. Hd. Sc.
X-195	1	#8 Lock Washer
GJ-20	2	Frame Screw
X-199	2	1/4 Lock Washer
X-842	1	Fuse - 5 Amperes

Comm. End Plate Assy. & Parts Used With

(GAR-2194C)	1	Comm. End Plate Assy.
GAR-73	1	Oil Wick
GAR-98	1	Wick Cover
GAR-1014A	1	3rd Brush Holder Plate Assy.
GAR-1194D	1	Comm. End Plate Part Assy.
GBF-79	1	Absorbent Bronze Brg.
GBM-1012A‡	2	Brush - Main
GBM-1013A‡	1	Brush - Third
GBW-69	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GBW-1068B	1	Comm. End Cap Cover
GCJ-51	1	3rd Brush Plate Retaining Spring
X-195	5	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
8X-311	1	#10-32x3/8 Rd. Hd. Screw
8X-888	4	#8-32x5/16 Fill. Hd. Sc.
X-195	2	#8 Lock Washer
8X-305	2	#8-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GBM-2065B	1	Armature Assy.
GAR-171	1	Snap Ring
GR-32	1	Felt Washer Retainer
*	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assy. & Parts Used With

GBJ-1003	1	Drive End Head Assy.
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GBJ-3	1	D. E. Head
GG-164	2	Felt Washer
6X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
6X-1003	3	#10-32x7/8 Rd. Hd. Sc.

Miscellaneous Parts

CB-4021	1	Circuit Breaker Assy.
CB-123	1	Armature Spring
CB-160S	1	C. B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	3	#10 Lock Washer
8X-312	2	#10-32x1/4 Rd. Hd. Sc.
GAL-1024	1	Head Band Assy.
X-196	2	#10 Lock Washer
8X-321	2	#10-32x5/16 Rd. Hd. Screw
X-714	1	#10-32x1 1/2 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 11-16-38)

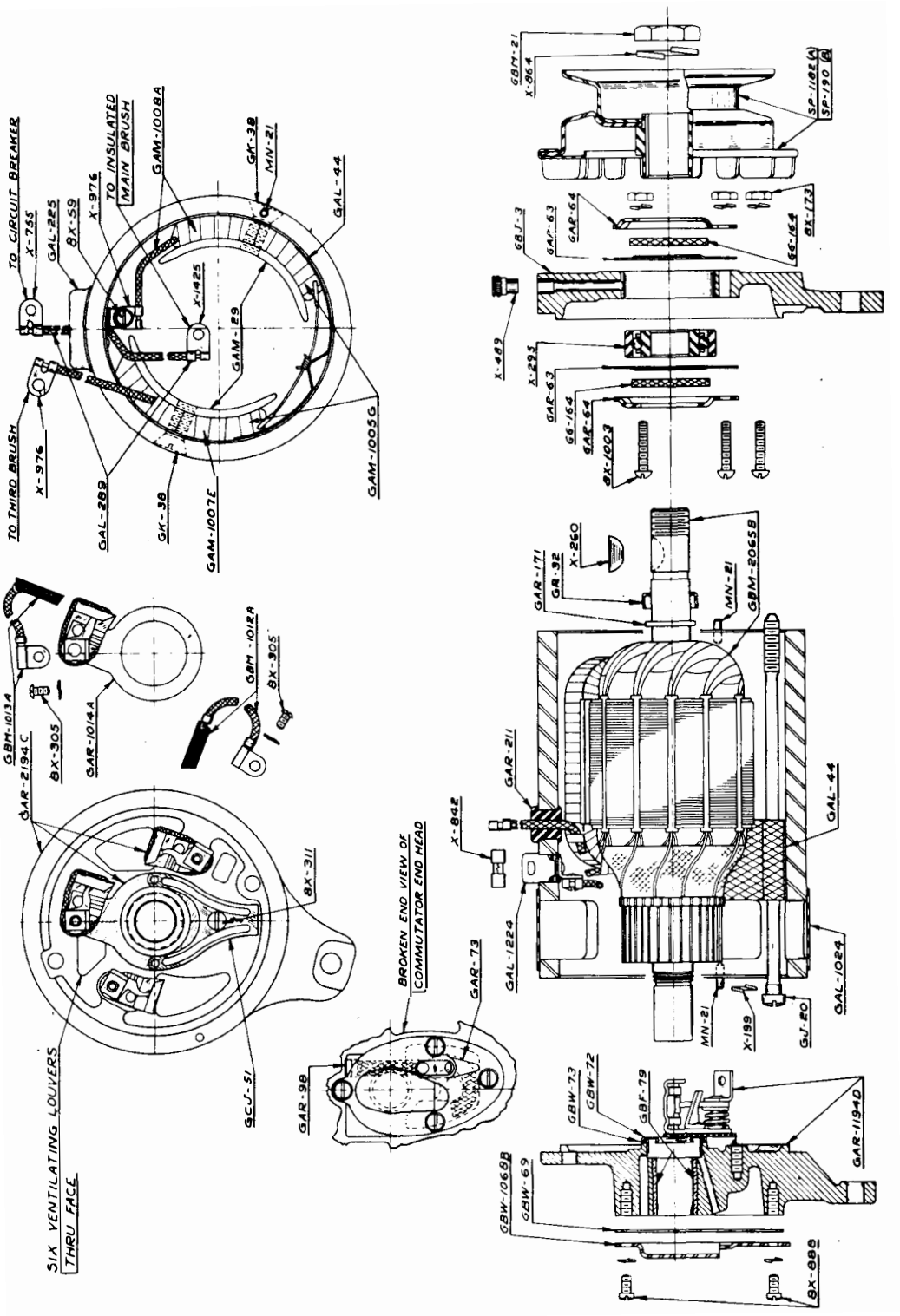
Assy. No.	Drive Pulley
GBM-4607A	SP-1182
GBM-4607B	SP-190

‡ Service Brush Set GBM-2012AS.

* See table following parts list for part number applying to assembly wanted.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GBM-4607A,B GENERATOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GAM-2095)	1	Frame & Field Assy.
GAL-44	1	Field Connection Ins.
GAM-29	2	Pole Piece
GAM-1005F	1	FIELD COIL ASSY.- COMP.
GAM-1007E	1	Field Coil Assy.-Left
GAL-289	1	C.B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GAM-1008	1	Field Coil Assy.-Right
X-959	1	Terminal
GAR-211	1	Insulating Bushing
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-140	1	#6-32 Hex. Nut
X-194	1	#6 Lock Washer
8X-1008	1	#6-32x9/16 Rd. Hd. Screw
GJ-20	2	Frame Screw
X-199	2	1/4 Lock Washer

Comm. End Plate Assy. & Parts Used With

(GAR-2194C)	1	Comm. End Plate Assy.
GAR-73	1	Oil Wick
GAR-98	1	Wick Cover
GAR-1014A	1	3rd Brush Holder Plate Assy.
GAR-1194D	1	C.E. Plate Part Assy.
GBF-79	1	ABSORBENT BRONZE BRG.
GBM-1012A*	2	Brush - Main
GBM-1013A*	1	Brush - Third
GBW-69	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GBW-1068B	1	Comm. End Cap Cover
GCJ-51	1	3rd Brush Plate Retaining Spring
X-195	5	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
8X-311	1	#10-32x3/8 Rd. Hd. Screw
8X-888	4	#8-32x5/16 Fill. Hd. Sc.
X-195	2	#8 Lock Washer
8X-305	2	#8-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GBM-2065	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GR-32	1	Felt Washer Retainer
**	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assy. & Parts Used With

GBJ-1003	1	Drive End Head Assy.
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GBJ-3	1	D.E. Head
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	BALL BRG.- S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Sc.

Miscellaneous Parts

CB-4014	1	CIRCUIT BREAKER ASSY.
CB-123	1	Armature Spring
CB-160S	1	C.B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Sc.
GAL-1024	1	Head Band Assembly
X-196	2	#10 Lock Washer
8X-321	2	#10-32x5/16 Rd. Hd. Screw
X-714	1	#10-32x1 1/2 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 5-23-39)

Assembly No.	Drive Pulley
GBM-4608A	SP-150
GBM-4608B	SP-149
GBM-4608C	SP-242
GBM-4608D	SP-254

* Service BRUSH SET GBM-2012AS.

** See table following parts list for part number applying to assembly wanted.

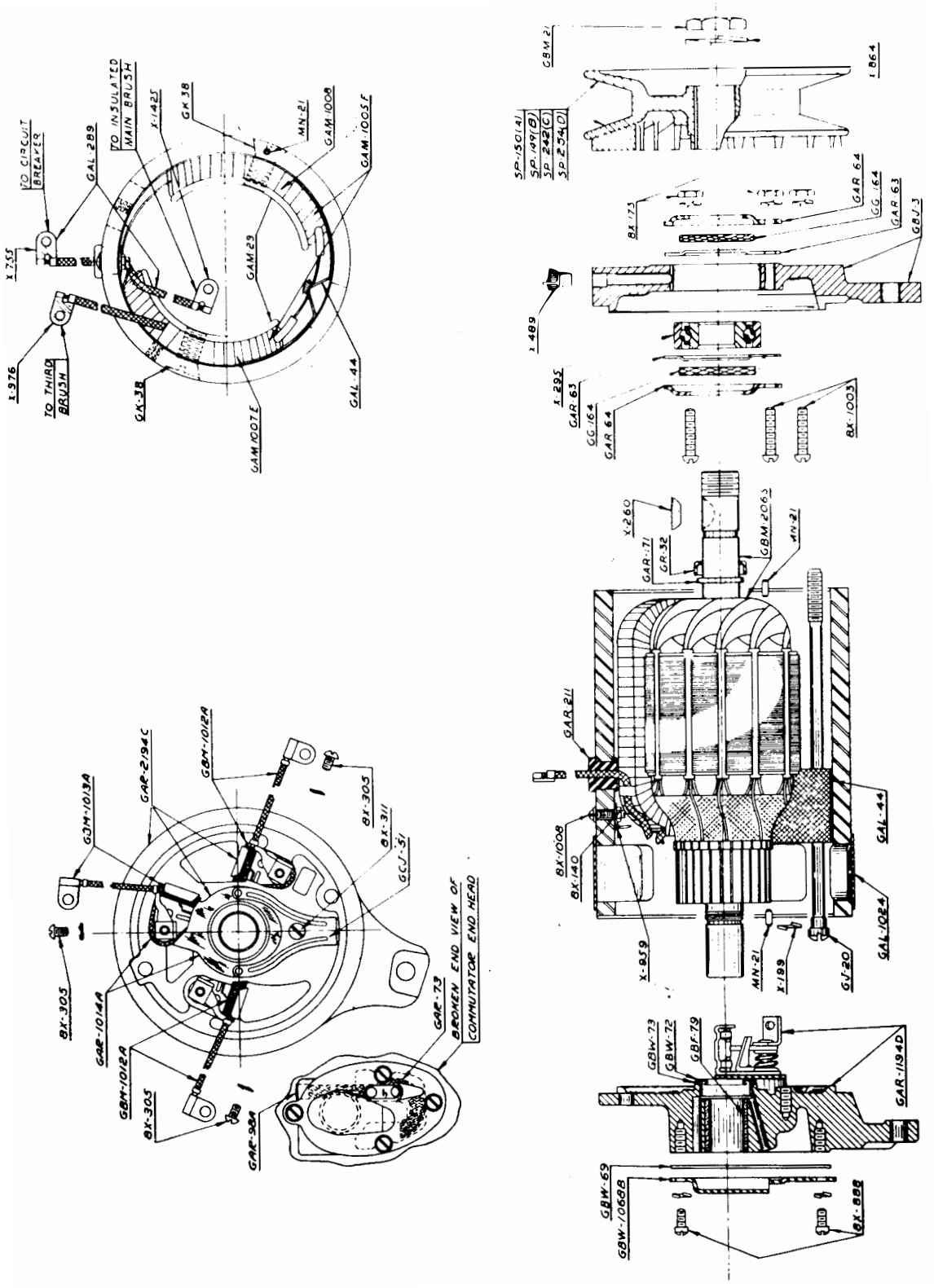
UNIT	APPLICATION
GBM-4608A, B,C,D	Reo

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GBM-4608A,B,C,D GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GAM-2104)	1	Frame & Field Assy.
GAA-30	1	Terminal Post Bottom Ins.
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GAM-29	2	Pole Piece
GAM-1005K	1	Field Coil Assy. Comp.
GAM-1007G	1	Field Coil Assy.-Left
X-976	1	Terminal
GAM-1008	1	Field Coil Assy.-Right
X-959	1	Terminal
GCE-26	1	Control Lead
GCE-34	1	Terminal Post
X-847	1	Terminal
GCT-25	1	Insulating Bushing
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-140	1	#6-32 Hex. Nut
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-194	1	#6 Lock Washer
8X-361	1	1/4 Plain Washer
8X-1008	1	#6-32x9/16 Rd. Hd. Sc.
MW-20	2	Frame Screw
X-199	2	1/4 Lock Washer

Comm. End Plate Assembly & Parts Used With

(GAR-2194B)	1	Comm. End Plate Assy.
GAR-73	1	Oil Wick
GAR-98	1	Wick Cover
GAR-1014A	1	3rd Brush Holder Plate Assembly
GAR-1194C	1	Comm. End Plate Part Assy
GBF-79	1	Absorbent Bronze Brg.
GBM-1012A‡	2	Brush - Main
GBM-1013A‡	1	Brush - Third
GBW-30A	1	Comm. End Cap Cover
GBW-31	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GCJ-51	1	3rd Brush Plate Retaining Spring
X-195	5	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
8X-311	1	#10-32x3/8 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
8X-888	4	#8-32x5/16 Fill. Hd. Sc.
X-195	2	#8 Lock Washer
8X-305	2	#8-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GBM-2065	1	Armature Assy.
GAR-171	1	Snap Ring
GR-32	1	Felt Washer Retainer
SP-1178	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GBJ-1003	1	Drive End Head Assy.
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GBJ-3	1	D.E. Head
GG-164	2	Felt Washer
6X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
6X-1003	3	#10-32x7/8 Rd. Hd. Sc.

Miscellaneous Parts

GAL-1024	1	Head Band Assembly
X-715	1	#10-32x1 1/4 Rd. Hd. Sc.
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

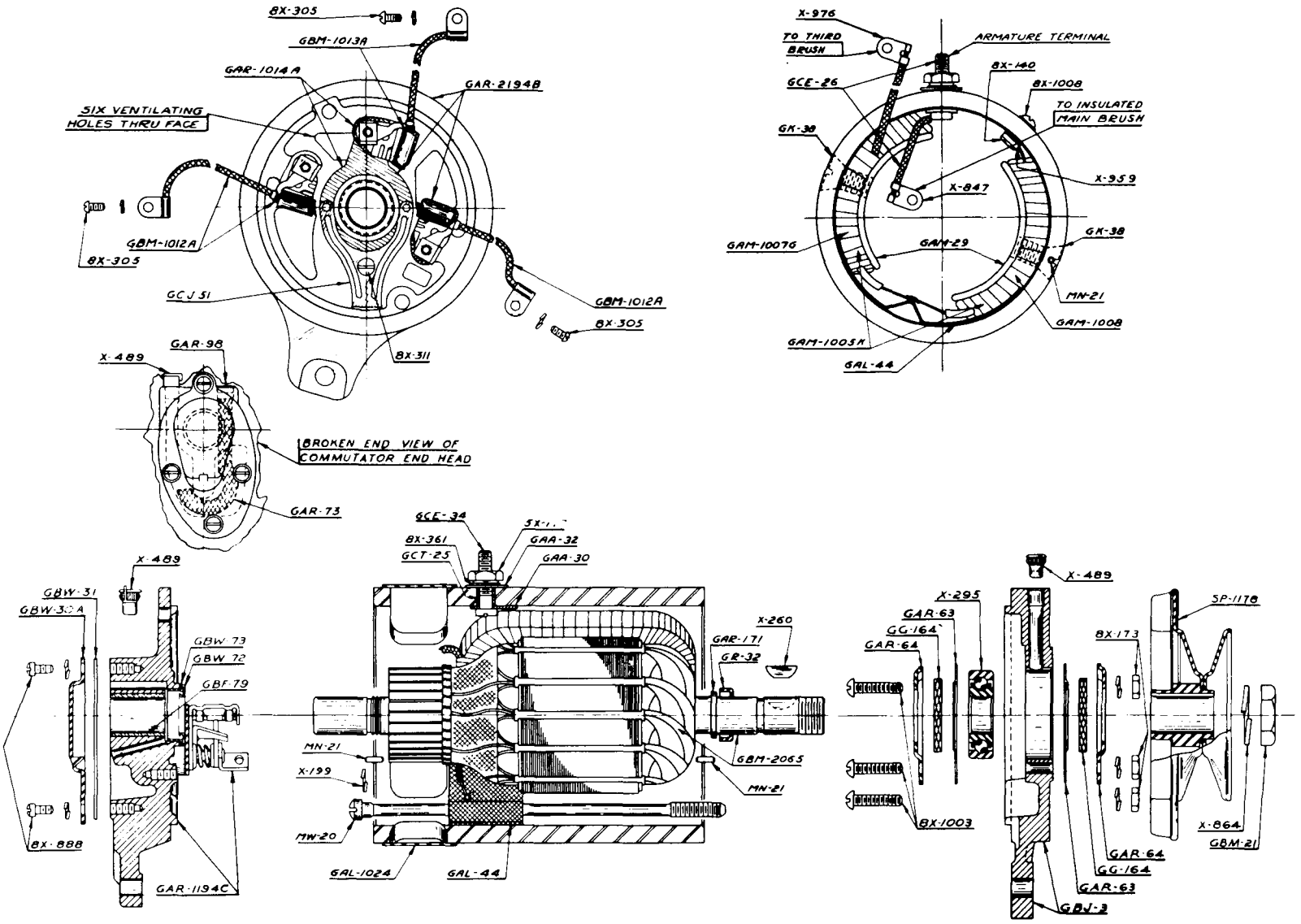
(Issued 10-19-38)

NOTE:- CBA-4003 Circuit Breaker is used with but is not a part of this generator.

‡ Service Brush Set GBM-2012AS

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the comp ete part can be assembled as ne ed."

GBM-4609A GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GAM-2107	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GAM-1005M	1	COIL ASSY., FIELD, COMPLETE
GAM-1007E	1	Coil Assy., Field, Left
GAL-289	1	Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GAM-1008D	1	Coil, Field, Right
GCE-27	1	Stud, Terminal, #10-32
GAR-211	1	Bushing, Lead Ins.
GBW-34	1	Washer, Ins., Term. Stud
GBW-67	1	Insulation, Term. Stud, Inner
GCY-25	1	Bushing, Ins., Term. Stud
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
12X-196	2	Lockwasher, Term. Stud, #10
8X-349	1	Washer, Term. Stud, Plain #10
8X-1377	2	Nut, Term. Stud, Hex. #10-32
MW-20A	2	Bolt, Thru
12X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

GAR-2236	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GAR-1014A	1	Plate, 3rd. Brush
GAR-1236A	1	Head Assy., Partial, C.E.
GBF-79	1	BEARING, ABS BRONZE
GBM-1012C†	2	Brush, Main
GBM-1013C†	1	Brush, Third
GBW-69	1	Gasket, Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GBW-1068	1	Cover, Comm. End
GCJ-51	1	Spring, Retaining, 3rd Brush Plate
12X-195	4	Lockwasher, Cover Sc., #8
8X-311	1	Screw, Rd. Hd. #10-32x3/8
8X-888	4	Screw, Cover, Fill. Hd. #8-32x5/16
12X-195	3	Lockwasher, Lead Sc., #8
8X-305	3	Screw, Brush Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GBM-21B	1	Nut, Armature Shaft, D.E.
GBM-2065F	1	ARMATURE ASSY.
GAR-171	1	Snap Ring
GR-32	1	Retainer, Felt Washer
*	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
12X-864	1	Lockwasher, Arm. Shaft, D.E.

Drive End Head Assy. & Parts Used With

GAM-1101	1	Head Assy., Drive End
GAM-34A	1	Retainer, Felt Washer, Outer
GAM-101	1	Head, Drive End
GAR-63	1	Retainer, Felt Washer, Inner
GAR-64	1	Retainer, Bearing
GG-164	2	Washer, Felt
GGW-52	3	Screw, Retainer, Rd. Hd. #10-32x1/2
12X-196	3	Lockwasher, Retainer Sc., #10
X-295	1	BEARING, BALL, S.A.E. #203
X-489	1	Oiler

Miscellaneous Parts

CB-4014	1	RELAY ASSY., CUTOUT
CB-123	1	Spring, Armature
CB-160S	1	Cover, Relay
PX-55	1	Screw, Arm. Term., Bdg. Hd. #10-32x3/16
12X-196	2	Lockwasher, Term. Sc., #10
8X-312	1	Screw, Bat. Term., Rd. Hd. #10-32x1/4
GAL-1024F	1	Band, Head
8X-321	2	Screw, Relay Mtg., Rd. Hd. #10-32x5/16
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32
X-1270	2	Washer, Relay Mtg. Sc., Skpf. #10

† BRUSH SET SERVICE GBM-2012DS.

* See table following parts list for part number applying to assembly wanted.

(Continued on Reverse Side)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Assembly No.	Pulley
GBM-4610-5S1	None
GBM-4610A-5	SP-1344
GBM-4610B-5	SP-1723
GBM-4610C-5	SP-782

UNIT	APPLICATION
GBM-4610-5S1	Service Gen.
GBM-4610A-5	Chrys. Ind., Co-Op Massey Harris
GBM-4610B-5	Chrysler Ind.
GBM-4610C-5	Chrys. Ind., Co-Op Massey Harris

Printed in U. S. A.

File in
Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GAM-2096)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GAM-1005F	1	Coil Assy., Field, Comp.
GAM-1007E	1	Coil Assy., Field, Left
GAL-289	1	Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GAM-1008	1	Coil Assy., Field, Right
X-959	1	Terminal
GAR-211	1	Bushing, Insulating
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel, Head Locating
8X-140	1	Nut, Field Ground, Hex., #6-32
X-194	1	Washer, Lock, Field Ground, #6
8X-1008	1	Screw, Field Ground, Rd. hd., #6-32x9/16
MW-20A	2	Bolt, Thru
12X-199	2	Washer Lock, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

(GBM-2236)	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GAR-1014A	1	Plate, 3rd Brush
GAR-1236A	1	Head Assy., Partial, C.E.
GBF-79	1	Bearing, Absorbent Bronze
GBM-1012A‡	2	Brush, Main
GBM-1013B‡	1	Brush, Third
GBW-69	1	Gasket, C.E. Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GBW-1068B	1	Cover, Comm. End
GCJ-51	1	Spring, Retaining, 3rd Brush Plate
12X-195	4	Washer, Lock, Cover Sc., #8
8X-311	1	Screw, Plate Retaining, Rd. hd., #10-32x3/8
8X-888	4	Screw, Cover, Fil. hd., #8-32x5/16
X-195	3	Washer, Lock, Brush Lead, #8
8X-305	3	Screw, Brush Lead, Rd. hd., #8-32x1/4
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Nut, Armature Shaft
GBM-2065F	1	Armature Assy.
GAR-171	1	Snap Ring
GR-32	1	Retainer, Felt Washer
SP-1344	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
X-864	1	Washer, Lock, Arm. Shaft, .669

Drive End Head Assembly & Parts Used With

GAM-1101	1	Head Assy., Drive End
GAM-34	1	Retainer, Felt Washer, Outer
GAM-101	1	Head
GAR-63	1	Retainer, Felt Washer, Inner
GAR-64	1	Retainer, Bearing
GG-164	2	Washer, Felt
X-196	3	Washer, Lock, Retainer Sc., #10
X-295	1	Bearing, Ball, S.A.E. #203
8X-311	3	Screw, Retainer, Rd. hd., #10-32x3/8
X-489	1	Oiler, Hinge Top, Press in, 1/4

Miscellaneous Parts

CB-4014	1	Relay Assy., Cutout
CB-123	1	Spring, Armature
CB-160S	1	Cover
PX-55	1	Screw, Arm. Term., Bdg. hd., #10-32x3/16
X-196	2	Washer, Lock, Term. Sc., #10
8X-312	1	Screw, Bat. Term., Rd. hd., #10-32x1/4
GAL-1024C	1	Band, Cover
8X-321	2	Screw, Mtg., Cutout Relay, Rd. hd., #10-32x5/16
8X-715	1	Screw, Cover Band, Rd. hd., #10-32x1 1/4
8X-794	1	Nut, Cover Band, Square, #10-32
X-1270	2	Washer, Skpf., Cutout Relay Mtg., #10
		1 2 3 4 5

(Issued 3-13-44)

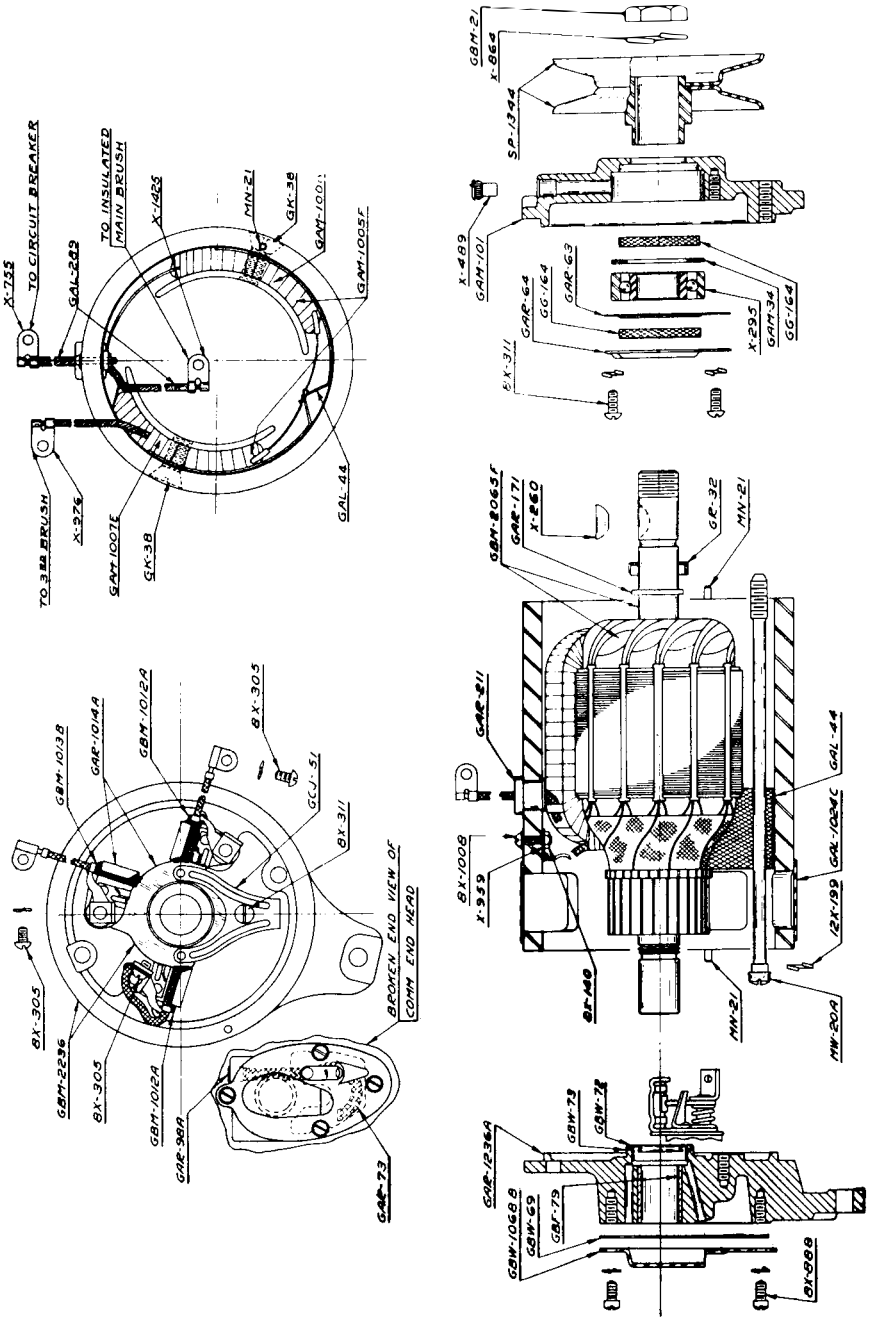
‡ Brush Set, Service, GBM-2012BS.

Printed in U. S. A.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

File in Equipment & Parts List Binder

GBM-4611A GENERATOR ILLUSTRATION



Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GAM-2105)	1	Frame & Field Assy.
GAA-30	1	Term. Post Bottom Ins.
GAA-32	1	Term. Post Top Ins.
GAL-44	1	Field Connection Ins.
GAM-29	2	Pole Piece
GAM-1005K	1	Field Coil Assy.-Comp.
GAM-1007G	1	Field Coil Assy.-Left
X-976	1	Terminal
GAM-1008	1	Field Coil Assy.-Right
X-959	1	Terminal
GCE-26	1	Control Lead
GCE-34	1	Terminal Post
X-847	1	Terminal
GCT-25	1	Insulating Bushing
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-140	1	#6-32 Hex. Nut
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-194	1	#6 Lock Washer
8X-361	1	1/4 Plain Washer
8X-1008	1	#6-32x9/16 Rd. Hd. Screw
MW-20	2	Frame Screw
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-199	2	1/4 Lock Washer

Comm. End Plate Assy. & Parts Used With

(GAR-2239)	1	Comm. End Plate Assy.
GAR-73	1	Oil Wick
GAR-98A	1	Wick Cover
GAR-1014A	1	3rd Brush Holder Plate Assembly
GAR-1239A	1	Comm. End Plate Part Assy.
GBF-79	1	Absorbent Bronze Brg.
GBM-1012A‡	2	Brush - Main
GBM-1013A‡	1	Brush - Third
GBW-69	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GBW-1068B	1	Comm. End Cap Cover
GCJ-51	1	3rd Brush Plate Retaining Spring
X-195	5	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
8X-311	1	#10-32x3/8 Rd. Hd. Screw
8X-888	4	#8-32x5/16 Fill. Hd. Screw
X-195	2	#8 Lock Washer
8X-305	2	#8-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GBM-2065	1	Armature Assembly
GAR-171	1	Snap Ring
GR-32	1	Felt Washer Retainer
SP-1350	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assy. & Parts Used With

GCJ-1096	1	Drive End Head Assy.
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GCJ-96	1	Drive End Head
GG-164	2	Felt Washer
X-173	3	#10-32 Hex. Nut
X-295	1	Ball Brg. - S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Screw
X-1270	3	#10 Skpf. Lock Washer

Miscellaneous Parts

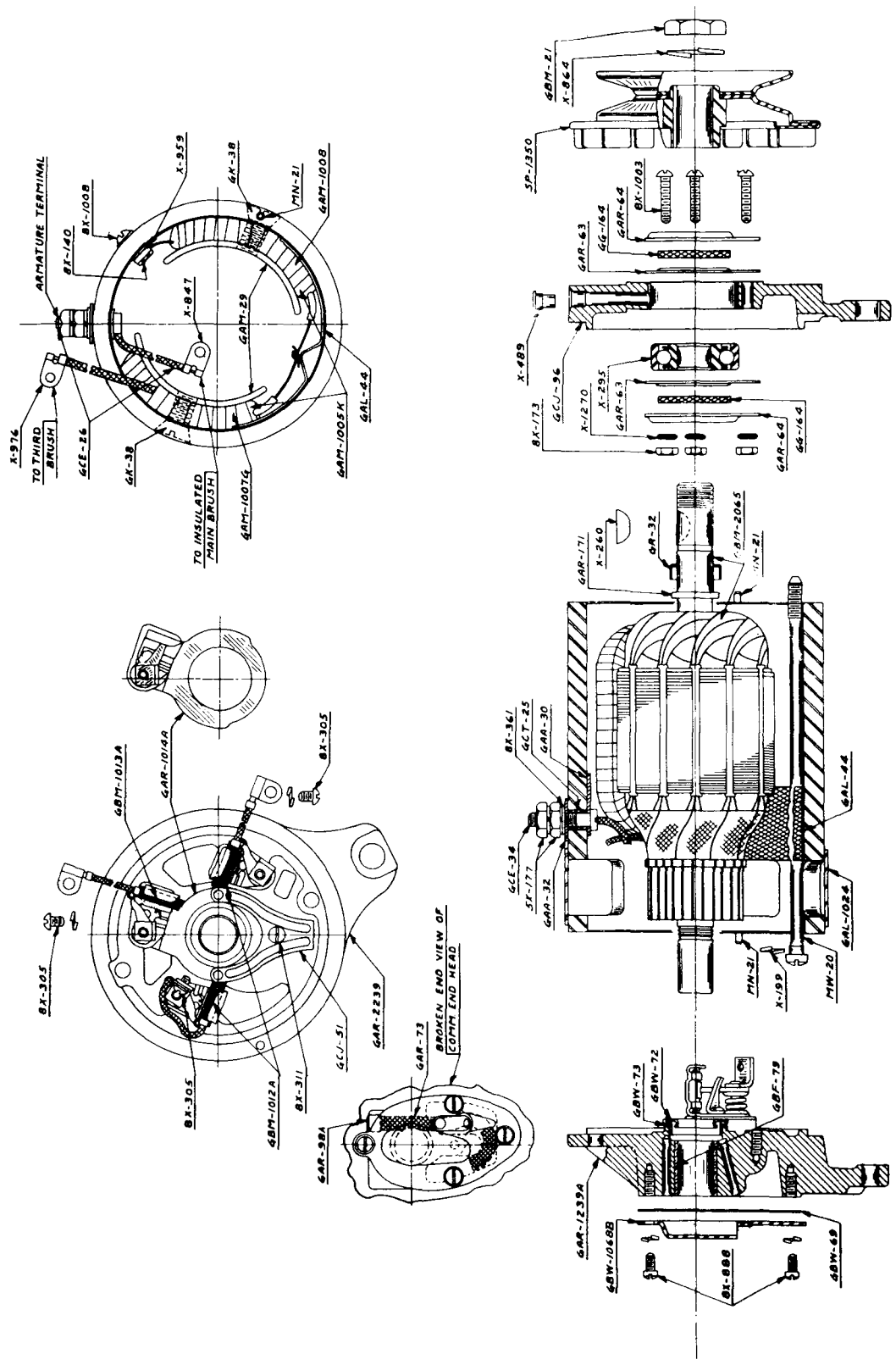
GAL-1024	1	Head Band Assy.
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 11-17-38)

‡ Service Brush Set GBM-2012AS.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking su -parts the complete part can be assembled as needed."

GBM-4612A GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAL-225	1	Fuse Cover
(GAM-2097)	1	Frame & Field Assembly
GAL-44	1	Field Connection Ins.
GAL-1224	1	Fuse Holder
GAM-29	2	Pole Piece
GAM-1005G	1	FIELD COIL ASSY.- Comp.
GAM-1007E	1	Field Coil Assy.-Left
GAL-289	1	C. B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GAM-1008A	1	Field Coil Assy.-Right
X-976	1	Terminal
GAR-211	1	Insulating Bushing
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-59	1	#8-32x3/16 Rd. Hd. Screw
X-195	1	#8 Lock Washer
GJ-20	2	Frame Screw
X-199	2	1/4 Lock Washer
X-842	1	Fuse - 5 Amp.

Comm. End Plate Assembly & Parts Used With

(GAR-2194C)	1	Comm. End Plate Assembly
GAR-73	1	Oil Wick
GAR-98A	1	Wick Cover
GAR-1014A	1	3rd Brush Plate Assembly
GAR-1194D	1	C. E. Plate Part Assy.
GBF-79	1	ABSORBENT BRONZE BRG.
GBM-1012A†	2	Brush - Main
GBM-1013A†	1	Brush - Third
GBW-69	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GBW-1068B	1	Comm. End Cap Cover
GCJ-51	1	3rd Brush Plate Retaining Spring
12X-195	5	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
8X-311	1	#10-32x3/8 Rd. Hd. Screw
8X-888	4	#8-32x5/16 Fill. Hd. Sc.
X-195	2	#8 Lock Washer
8X-305	2	#8-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GBM-2065	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GR-32	1	Felt Washer Retainer
SP-1178	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GBJ-1003C	1	Drive End Head Assembly
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GBJ-3C	1	Drive End Head
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	BALL BRG.- S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Screw

Miscellaneous Parts

CB-4021	1	CIRCUIT BREAKER ASSEMBLY
CB-123	1	Armature Spring
CB-160S	1	C. B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	3	#10 Lock Washer
8X-312	2	#10-32x1/4 Rd. Hd. Screw
GAL-1024	1	Head Band Assembly
X-196	2	#10 Lock Washer
8X-321	2	#10-32x5/16 Rd. Hd. Screw
X-714	1	#10-32x1 1/2 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 7-1-41)

† SERVICE BRUSH SET GBM-2012AS.

UNIT	APPLICATION
GBM-4613A	Waukesha

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GAM-2106)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GAM-1005L	1	Coil Assy., Field, Comp.
GAM-1007E	1	Coil Assy., Field, Left
GAL-289	1	Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GAM-1008B	1	Coil, Field, Right
GCE-27	1	Stud, Field Terminal, #10-32
GAR-211	1	Bushing, Insulating
GBW-34	1	Washer, Insulating
GBW-67	1	Insulation, Term. Stud, Inner
GCY-25	1	Bushing, Ins., Term. Stud
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel, Head Locating
X-196	2	Washer, Lock, Term. Stud, #10
8X-349	1	Washer, Plain, Term. Stud, #10
5X-1377	2	Nut, Term. Stud, Hex., #10-32
GCM-71	1	Bracket, Mounting, Generator
MW-20A	2	Bolt, Thru
X-199	2	Washer, Lock, Thru Bolt, 1/4
X-402	2	Pin, Cotter, 1/16x3/4
8X-863A	2	Screw, Mounting Bracket, Hex. hd., 5/16-24
X-1014	2	Washer, Lock, Mtg. Bracket Screw, 5/16
8X-1061	2	Nut, Mounting Bracket Screw, Castellated, 5/16-24

Comm. End Head Assembly & Parts Used With

(GAR-2194C)	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GAR-1014A	1	Plate, 3rd Brush
GAR-1194D	1	Head Assy., Partial, C.E.
GBF-79	1	Bearing, Absorbent Bronze
GBM-1012A‡	2	Brush, Main
GBM-1013A‡	1	Brush, Third
GBW-69	1	Gasket, C.E. Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GBW-1068B	1	Cover, Comm. End
GCJ-51	1	Spring, Retaining, 3rd Brush Plate
X-195	4	Washer, Lock, Cover Sc., #8
8X-311	1	Screw, Plate Retaining, Rd. hd., #10-32x3/8
8X-888	4	Screw, Cover, Fil hd., #8-32x5/16
X-195	3	Washer, Lock, Brush Lead, #8
		1 2 3 4 5

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
8X-305	3	Screw, Brush Lead, Rd. hd., #8-32x1/4

Armature Assembly & Parts Used With

GBM-21	1	Nut, Armature Shaft
GBM-2065F	1	Armature Assy.
GAR-171	1	Snap Ring
GR-32	1	Retainer, Felt Washer
SP-322	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
X-864	1	Washer, Lock, Arm. Shaft, .669

Drive End Head Assembly & Parts Used With

GBJ-1003C	1	Head Assy., Drive End
GAR-63	2	Retainer, Felt Washer
GAR-64	2	Retainer, Bearing
GBJ-3C	1	Head
GG-164	2	Washer, Felt
8X-173	3	Nut, Retainer Screw, Hex., #10-32
X-196	3	Washer, Lock, Retainer Sc., #10
X-295	1	Bearing, Ball, S.A.E. #203
X-489	1	Oiler, Hinge Top, Press in, 1/4
8X-1003	3	Screw, Retainer, Rd. hd., #10-32x7/8

Miscellaneous Parts

CB-4012	1	Relay Assy., Cutout
CB-123	1	Spring, Armature
CB-160S	1	Cover
PX-55	1	Screw, Arm. Term., Bdg. hd., #10-32x3/16
X-196	2	Washer, Lock, Term. Sc., #10
8X-312	1	Screw, Bat. Term., Rd. hd., #10-32x1/4
GAL-1024C	1	Band, Cover
X-196	2	Washer, Lock, Cutout Relay Mtg., #10
8X-321	2	Screw, Mtg., Cutout Relay, Rd.hd., #10-32x5/16
X-715	1	Screw, Cover Band, Rd. hd., #10-32x1 1/4
8X-794	1	Nut, Cover Band, Square, #10-32
		1 2 3 4 5

(Issued 3-13-44)

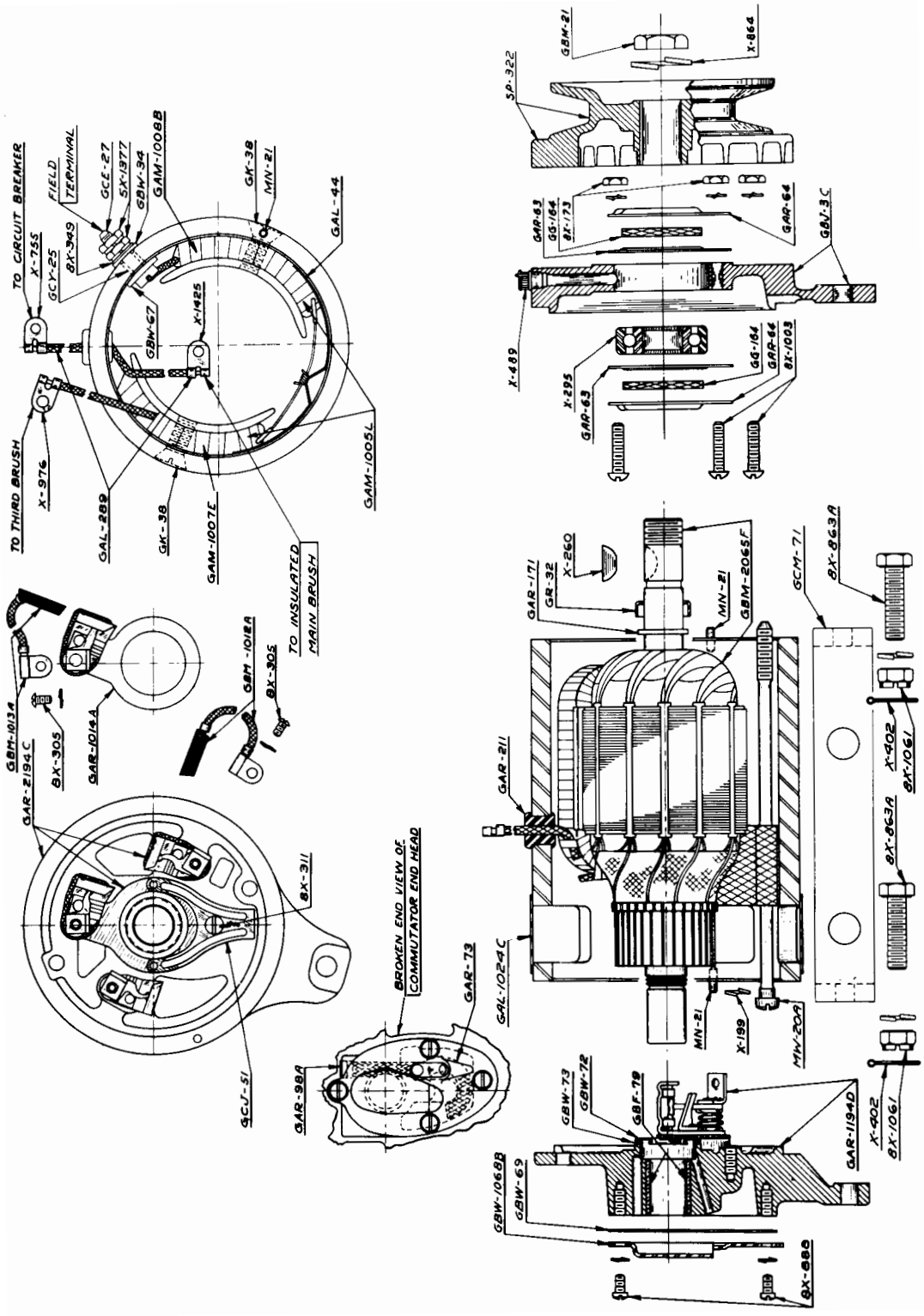
‡ Brush Set, Service, GBM-2012AS.

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File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GBM-4614A GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GAM-2095)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GAM-1005F	1	COIL ASSY., FILED, COMPLETE
GAM-1007E	1	Coil Assy., Field, Left
GAL-289	1	Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GAM-1008	1	Coil Assy., Field, Right
X-959	1	Terminal
GAR-211	1	Bushing, Insulating
GK-38	2	Screw, Pole Piece
MN-21	2	Pin, Dowel
8X-140	1	Nut, Hex., #6-32
X-194	1	Lockwasher, #6
8X-1008	1	Screw, Rd. Hd., #6-32x9/16
GJ-20	2	Bolt, Thru
X-199	2	Lockwasher, 1/4

Comm. End Head Assembly & Parts Used With

GAR-2110C	1	Head Assy., Comm. End
GAL-51	2	Spring, Retaining, 3rd Brush Plate
GAR-73	1	Wick, Felt
GAR-78	1	Gasket, Cover
GAR-79A	1	Cover, Comm. End
GAR-98A	1	Cover, Wick
GAR-1072	1	Plate, 3rd Brush
GAR-1110A	1	Head Assy., Partial, C.E.
GBF-79	1	BEARING, ABSORBENT BRONZE
GBM-1012A†	2	Brush, Main
GBM-1013A†	1	Brush, Third
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Retaining
8X-56	2	Screw, Rd. Hd. #8-32x7/16
X-196	3	Lockwasher, #10
X-489	1	Oiler
8X-870	3	Screw, Fill. Hd., #10-32x5/16
X-195	3	Lockwasher Br. Lead Sc., #8
8X-305	3	Screw, Br. Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GBM-21B	1	Nut, Armature Shaft, D.E.
GBM-2006F	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GR-32	1	Retainer, Felt Washer
SP-358	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

GBJ-1067	1	Head Assy., Drive End
GAR-63	2	Retainer, Felt Washer
GAR-64	2	Retainer, Bearing
GBJ-67	1	Head, Drive End
GG-164	2	Washer, Felt
8X-173	3	Nut, Hex., #10-32
X-196	3	Lockwasher, #10
X-295	1	BEARING, BALL, S.A.E. #203
X-489	1	Oiler
8X-1003	3	Screw, Rd. Hd. #10-32x7/8

Miscellaneous Parts

CB-4014	1	RELAY ASSY., CUTOUT
CB-123	1	Spring, Armature
CB-160S	1	Cover, Relay
PX-55	1	Screw, Arm. Term., Bdg. Hd. #10-32x3/16
X-196	2	Washer, Term., #10
8X-312	1	Screw, Batt. Term., Rd. Hd. #10-32x1/4
GAL-1024	1	Band, Cover
X-196	2	Lockwasher, Mtg., Sc., #10
8X-321	2	Screw, Relay Mtg., Rd. Hd. #10-32x5/16
X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GBM-2012AS.

UNIT	APPLICATION
GBM-4615A	Continental

(Issued 4-12-50)

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GBM-4616A GENERATOR PARTS LIST GBM-4616A

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GAM-2108)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GAM-1005J	1	Coil Assy., Field, Comp.
GAM-1007E	1	Coil Assy., Field, Left
GAL-289	1	Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GAM-1008C	1	Coil Assy., Field, Right
X-767	1	Terminal
GAR-211	1	Bushing, Insulating
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel, Head Locating
MW-20A	2	Bolt, Thru
X-199	2	Washer, Lock, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

(GAR-2194C)	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GAR-1014A	1	Plate, 3rd Brush
GAR-1194D	1	Head Assy., Partial, C.E.
GBF-79	1	Bearing, Absorbent Bronze
GBM-1012A‡	2	Brush, Main
GBM-1013A‡	1	Brush, Third
GBW-69	1	Gasket, C.E. Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GBW-1068B	1	Cover, Comm. End
GCJ-51	1	Spring, Retaining, 3rd Brush Plate
X-195	4	Washer, Lock, Cover Sc., #8
8X-311	1	Screw, Plate Retaining, Rd. hd., #10-32x3/8
8X-888	4	Screw, Cover, Fil. hd., #8-32x5/16
X-195	3	Washer, Lock, Brush Lead, #8
8X-305	3	Screw, Brush Lead, Rd. hd., #8-32x1/4

Armature Assembly & Parts Used With

GBM-2065F	1	Armature Assy.
GAR-171	1	Snap Ring
GR-32	1	Retainer, Felt Washer
SP-368	1	Pulley, Drive
SP-369	1	Nut, Armature Shaft
X-260	1	Key, Woodruff, #5
		1 2 3 4 5

Drive End Head Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBJ-1003C	1	Head Assy., Drive End
GAR-63	2	Retainer, Felt Washer
GAR-64	2	Retainer, Bearing
GBJ-3C	1	Head
GG-164	2	Washer, Felt
8X-173	3	Nut, Retainer Screw, Hex., #10-32
X-196	3	Washer, Lock, Retainer Sc., #10
X-295	1	Bearing, Ball, S.A.E. #203
X-489	1	Oiler, Hinge Top, Press in, 1/4
8X-1003	3	Screw, Retainer, Rd. hd., #10-32x7/8

Miscellaneous Parts

GAL-1024C	1	Band, Cover
GCM-71	1	Bracket, Mounting, Generator
TC-4302A	1	Regulator
X-196	4	Washer, Lock, Regulator Mtg., #10
8X-321	4	Screw, Mtg., Regulator, Rd. hd., #10-32x5/16
X-402	2	Pin, Cotter, 1/16x3/4
X-715	1	Screw, Cover Band, Rd. hd., #10-32x1 1/4
8X-794	1	Nut, Cover Band, Square, #10-32
8X-863A	2	Screw, Mounting Bracket, Hex. hd., 5/16-24
X-1014	2	Washer, Lock, Mtg. Bracket Screw, 5/16
8X-1061	2	Nut, Mounting Bracket Sc., Castellated, 5/16-24
		1 2 3 4 5

(Issued 3-13-44)

‡ Brush Set, Service, GBM-2012AS.

Printed in U. S. A.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

File in Equipment & Parts List Binder

GBM-4616A GENERATOR ILLUSTRATION

GBM-4617 GENERATOR PARTS LIST GBM-4617

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GAM-2109)	1	Frame & Field Assy
GAL-44	1	Insulation, Field Connection
GAM-1005L	1	Coil Assy., Field, Comp.
GAM-1007E	1	Coil Assy., Field, Left
GAL-289	1	Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GAM-1008B	1	Coil, Field, Right
GCE-27	1	Stud, Field Terminal, #10-32
GAR-211	1	Bushing, Insulating
GBW-34	1	Washer, Ins., Term. Stud
GBW-67	1	Insulation, Term. Stud, Inner
GCY-25	1	Bushing, Ins., Term. Stud
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel, Head Locating
X-196	2	Washer, Lock, Term. Stud, #10
8X-349	1	Washer, Plain, Term. Stud, #10
5X-1377	2	Nut, Term. Stud, Hex., #10-32
GJ-104	1	Spacer, Armature Shaft
MW-20A	2	Bolt, Thru
X-199	2	Washer, Lock, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

(GAR-2236A)	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GAR-1014A	1	Plate, 3rd Brush
GAR-1236C	1	Head Assy., Partial, C.E.
GBF-79	1	Bearing, Absorbent Bronze
GBM-1012A‡	2	Brush, Main
GBM-1013A‡	1	Brush, Third
GBW-69	1	Gasket, C.E. Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GBW-1068B	1	Cover, Comm. End
GCJ-51	1	Spring, Retaining, 3rd Brush Plate
X-195	4	Washer, Lock, Cover Sc., #8
8X-311	1	Screw, Plate Retaining, Rd. hd., #10-32x3/8
8X-888	4	Screw, Cover, Fil. hd., #8-32x5/16
X-195	3	Washer, Lock, Brush Lead, #8
8X-305	3	Screw, Brush Lead, Rd. hd., #8-32x1/4
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Nut, Armature Shaft
GBM-2065F	1	Armature Assy.
GAR-171	1	Snap Ring
GR-32	1	Retainer, Felt Washer
X-260	1	Key, Woodruff, #5
X-864	1	Washer, Lock, Arm. Shaft, .669

Drive End Head Assembly & Parts Used With

GAM-1110	1	Head Assy., Drive End
GAM-34	1	Retainer, Felt Washer, Outer
GAM-110	1	Head
GAR-63	1	Retainer, Felt Washer, Inner
GAR-64	1	Retainer, Bearing
GG-164	2	Washer, Felt
X-196	3	Washer, Lock, Retainer Sc., #10
8X-311	3	Screw, Retainer, Rd. hd., #10-32x3/8
X-441	1	Bearing, Ball, Shielded, S.A.E. #203
X-489	1	Oiler, Hinge Top, Press in, 1/4

Miscellaneous Parts

CB-4014	1	Relay Assy., Cutout
CB-123	1	Spring, Armature
CB-160S	1	Cover
PX-55	1	Screw, Arm. Term., Bdg. hd., #10-32x3/16
X-196	2	Washer, Lock, Term. Sc., #10
8X-312	1	Screw, Bat. Term., Rd. hd., #10-32x1/4
GAL-1024B	1	Band, Cover
X-196	2	Washer, Lock, Cutout Relay Mtg., #10
8X-308	1	Screw, Cover Band, Rd. hd., #10-32x1 3/8
8X-321	2	Screw, Mtg., Cutout Relay, Rd. hd., #10-32x5/16
8X-794	1	Nut, Cover Band, Square, #10-32
		1 2 3 4 5

(Issued 3-13-44)

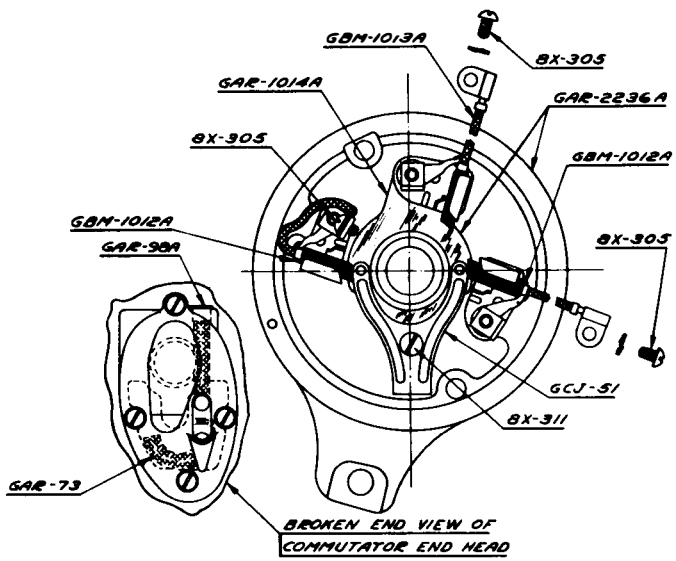
‡ Brush Set, Service, GBM-2012AS.

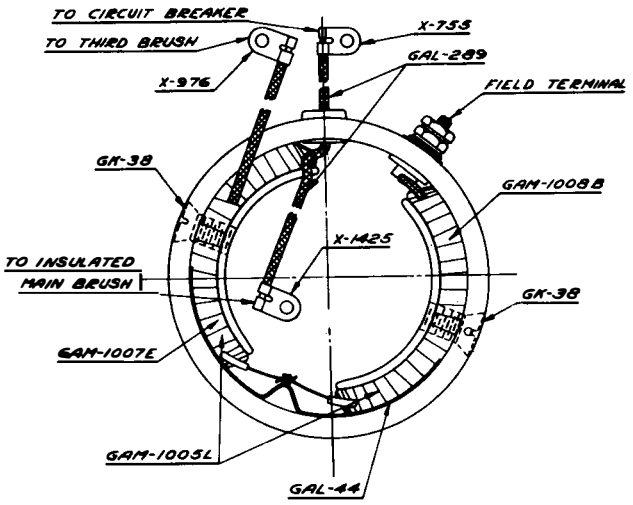
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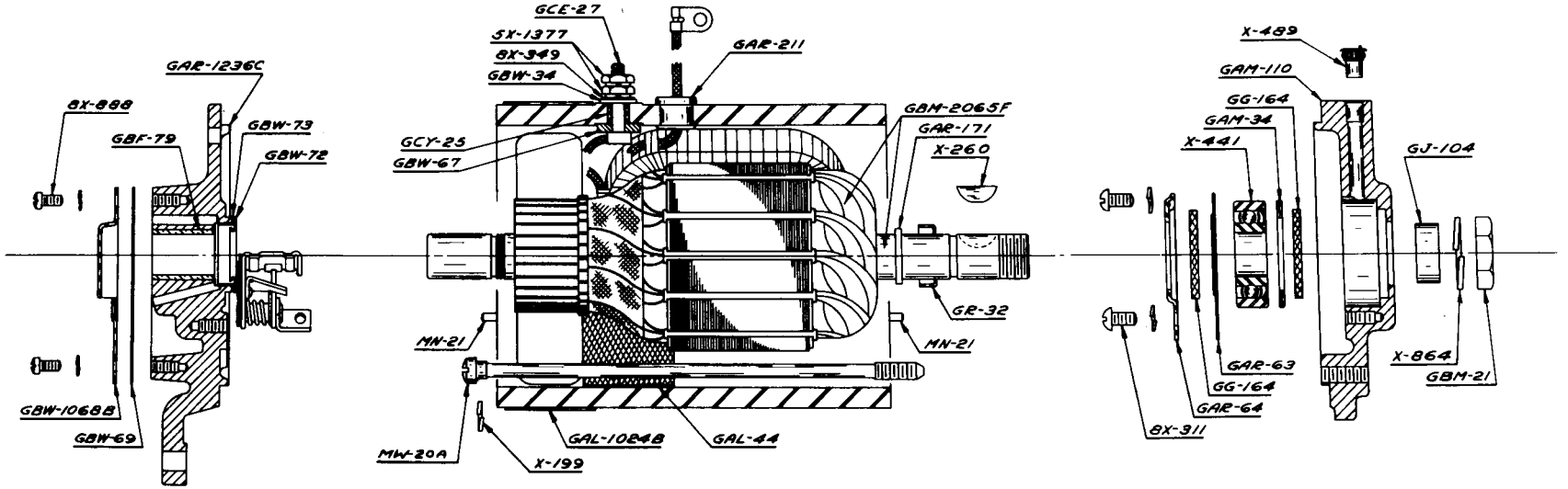
"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

File in Equipment & Parts List Binder

GBM-4617 GENERATOR ILLUSTRATION







Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GAM-3113)	1	Frame & Field Assy.
GAA-30	1	Terminal Post Bottom Ins.
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GAM-29	2	Pole Piece
GAM-2005A	1	FIELD COIL ASSY.- COMP.
GAM-1007J	1	Field Coil Assy.-Left
X-976	1	Terminal
GAM-1008E	1	Field Coil Assy.-Right
X-959	1	Terminal
GCT-25	1	Insulating Bushing
GDK-25	1	Lead Assembly
GCE-34	1	Terminal Post
X-847	1	Terminal
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-140	1	#6-32 Hex. Nut
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-194	1	#6 Lock Washer
8X-361	1	1/4 Plain Washer
8X-1008	1	#6-32x9/16 Rd. Hd. Screw
MW-20	2	Frame Screw
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-199	2	1/4 Lock Washer

Comm. End Plate Assy. & Parts Used With

(GBM-3245)	1	Comm. End Plate Assy.
GAR-73	1	Oil Wick
GAR-98A	1	Wick Cover
GAR-1245A	1	C. E. Plate Part Assy.
GBF-79	1	ABSORBENT BRONZE BRG.
GBM-1012A‡	2	Brush - Main
GBM-1013A‡	1	Brush - Third
GBW-69	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GBW-1068B	1	Comm. End Cap Cover
GCJ-51	1	3rd Brush Plate Retaining Spring
GDB-1014L	1	3rd Brush Plate Assy.
X-195	5	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
8X-311	1	#10-32x3/8 Rd. Hd. Screw
8X-888	4	#8-32x5/16 Fill. Hd. Sc.
X-195	2	#8 Lock Washer
8X-305	2	#8-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-69	1	Spacer
GBM-70	1	Drive Collar
GBM-2066	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
X-161	1	1/2-20 Hex. Nut
X-1500	1	1/2 Skpf. Washer

Drive End Head Assy. & Parts Used With

GAM-1114	1	Drive End Head Assy.
GAM-114	1	Drive End Head
GG-6	1	Bearing Retainer
GK-85	1	Paper Gasket
GT-76	1	Felt Washer Retainer
GT-78	1	Felt Washer
X-196	3	#10 Lock Washer
X-295	1	BALL BRG.-S.A.E. #203
8X-311	3	#10-32x3/8 Rd. Hd. Sc.
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

GAL-1024	1	Head Band Assembly
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 7-7-39)

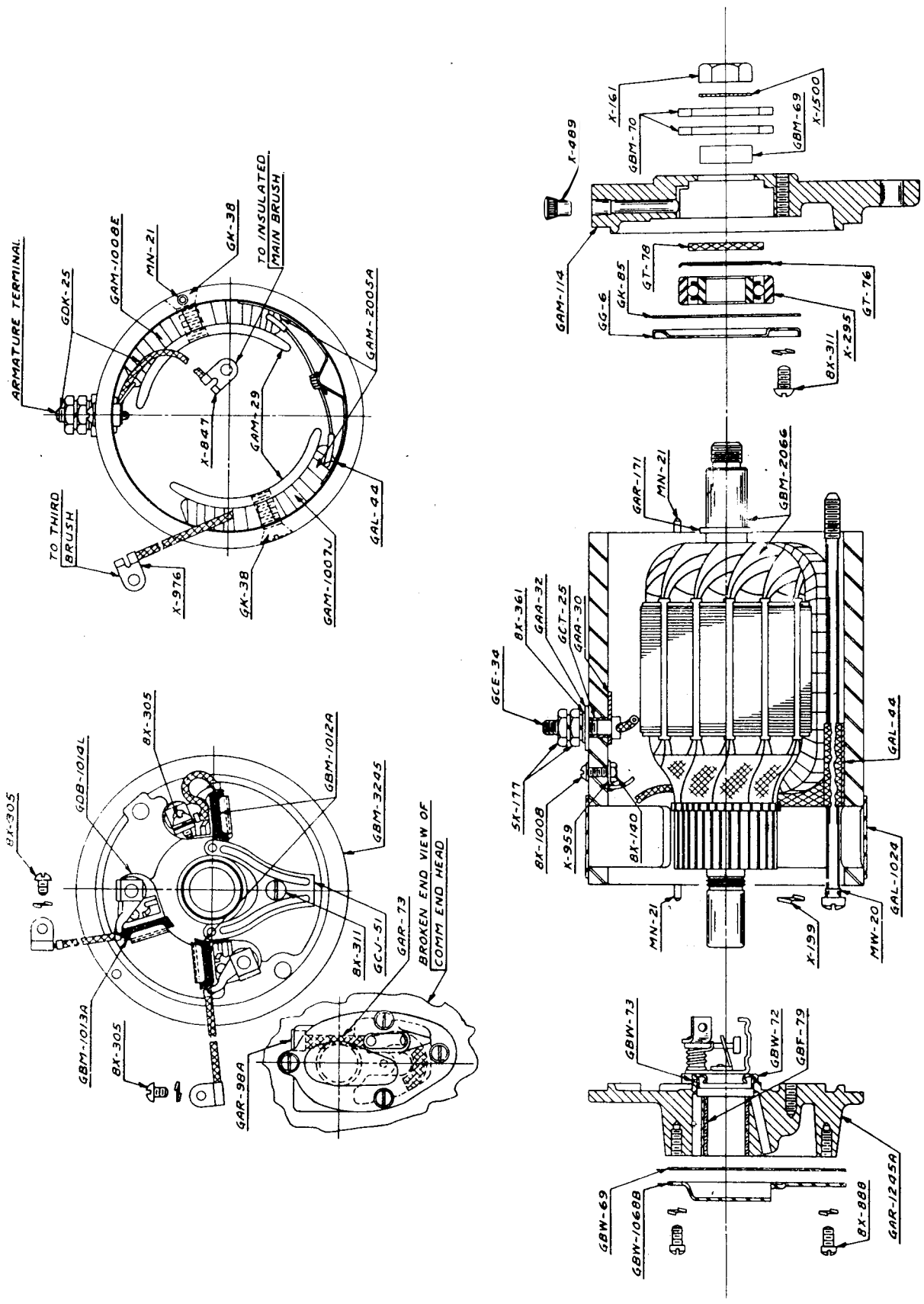
‡ Service BRUSH SET GBM-2012AS.

NOTE:- CB-4025 CIRCUIT BREAKER is used with but is not a part of this generator.

UNIT	APPLICATION
GBM-4619	Crosley

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking su -parts the complete part can be assembled as needed."

GBM-4619 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GBM-2025)	1	Frame & Field Assembly
GAL-44	1	Field Connection Ins.
GAM-29	2	Pole Piece
GAM-1005F	1	FIELD COIL ASSY.- Comp.
GAM-1007E	1	Field Coil Assy.-Left
GAL-289	1	C. B. Lead Assembly
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GAM-1008	1	Field Coil Assy.-Right
X-959	1	Terminal
GAR-211	1	Insulating Bushing
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-140	1	#6-32 Hex. Nut
X-194	1	#6 Lock Washer
8X-1008	1	#6-32x9/16 Rd. Hd. Screw
GJ-20	2	Frame Screw
X-199	2	1/4 Lock Washer

Comm. End Plate Assembly & Parts Used With

(GAR-2224)	1	Comm. End Plate Assembly
GAR-73	1	Oil Wick
GAR-98A	1	Wick Cover
GAR-1014B	1	3rd Brush Plate Assembly
GAR-219	1	Brush Arm
GAR-221	1	Brush Spring
GAR-1224A	1	C. E. Plate Part Assy.
GAR-219	2	Brush Arm
GAR-221	2	Brush Spring
GBF-79	1	ABSORBENT BRONZE BRG.
GBM-1012A†	2	Brush - Main
GBM-1013A†	1	Brush - Third
GBW-69	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GBW-1068B	1	Comm. End Cap Cover
GCJ-51	1	3rd Brush Plate Retaining Spring
12X-195	5	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
8X-311	1	#10-32x3/8 Rd. Hd. Screw
8X-888	4	#8-32x5/16 Fill. Hd. Sc.
X-195	2	#8 Lock Washer
8X-305	2	#8-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GBM-2006	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GR-32	1	Felt Washer Retainer
SP-153	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GBJ-1003C	1	Drive End Head Assembly
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GBJ-3C	1	Drive End Head
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	BALL BRG. - S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Screw

Miscellaneous Parts

CB-4014	1	CIRCUIT BREAKER ASSEMBLY
CB-123	1	Armature Spring
CB-160S	1	C. B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Screw
GAL-1024	1	Head Band Assembly
X-196	2	#10 Lock Washer
8X-321	2	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 5-16-41)

† SERVICE BRUSH SET GBM-2012AS.

UNIT	APPLICATION
GBM-4620A	Hercules

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GBM-2025)	1	Frame & Field Assembly
GAL-44	1	Field Connection Ins.
GAM-29	2	Pole Piece
GAM-1005F	1	FIELD COIL ASSY.- Comp.
GAM-1007E	1	Field Coil Assy.-Left
GAL-289	1	C. B. Lead Assembly
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GAM-1008	1	Field Coil Assy.-Right
X-959	1	Terminal
GAR-211	1	Insulating Bushing
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-140	1	#6-32 Hex. Nut
X-194	1	#6 Lock Washer
8X-1008	1	#6-32x9/16 Rd. Hd. Screw
GJ-20	2	Frame Screw
X-199	2	1/4 Lock Washer

Comm. End Plate Assembly & Parts Used With

(GAR-2224)	1	Comm. End Plate Assembly
GAR-73	1	Oil Wick
GAR-98A	1	Wick Cover
GAR-1014B	1	3rd Brush Plate Assembly
GAR-219	1	Brush Arm
GAR-221	1	Brush Spring
GAR-1224A	1	C. E. Plate Part Assy.
GAR-219	2	Brush Arm
GAR-221	2	Brush Spring
GBF-79	1	ABSORBENT BRONZE BRG.
GBM-1012A†	2	Brush - Main
GBM-1013A†	1	Brush - Third
GBW-69	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GBW-1068B	1	Comm. End Cap Cover
GCJ-51	1	3rd Brush Plate Retaining Spring
12X-195	5	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
8X-311	1	#10-32x3/8 Rd. Hd. Screw
8X-888	4	#8-32x5/16 Fill. Hd. Sc.
X-195	2	#8 Lock Washer
8X-305	2	#8-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GBM-2006	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GR-32	1	Felt Washer Retainer
SP-153	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GBJ-1003C	1	Drive End Head Assembly
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GBJ-3C	1	Drive End Head
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	BALL BRG. - S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Screw

Miscellaneous Parts

CB-4014	1	CIRCUIT BREAKER ASSEMBLY
CB-123	1	Armature Spring
CB-160S	1	C. B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Screw
GAL-1024	1	Head Band Assembly
X-196	2	#10 Lock Washer
8X-321	2	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 5-16-41)

† SERVICE BRUSH SET GBM-2012AS.

UNIT	APPLICATION
GBM-4620A	Hercules

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
	1 2 3 4 5	
(GAM-2124)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GAM-1005F	1	COIL ASSY., FIELD, COMP.
GAM-1007E	1	Coil Assy., Field Left
GAL-289	1	Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GAM-1008	1	Coil Assy., Field, Right
X-959	1	Terminal
GAR-211	1	Bushing, Insulating
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
8X-140	1	Nut, Field Ground Sc., Hex., #6-32
X-194	1	Lockwasher, Field Ground Sc. #6
8X-1008	1	Screw, Field Ground, Rd., Hd., #6-32x9/16
GJ-20	2	Bolt, Thru
X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

GBM-2118S	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover Wick
GAR-1014A	1	Plate, 3rd Brush
GBM-1012A*	2	Brush, Main
GBM-1013A*	1	Brush, Third
GBM-1118A	1	Head Assy., Partial, C.E.
GBF-79	1	BEARING, ABSORBENT BRONZE
GBW-69	1	Gasket, Cover, Comm. End
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GBW-1068	1	Cover, Comm. End
GCJ-51	1	Spring, Retaining, 3rd Brush Plate
12X-195	4	Lockwasher, Cover Sc., #8
8X-311	1	Screw, Plate Retaining, Rd. Hd. #10-32x3/8
8X-888	4	Screw, Cover, Fil Hd., #8-32x5/16
X-195	3	Lockwasher, Brush Lead, #8
8X-305	3	Screw, Brush Lead, Rd. Hd., #8-32x1/4

Armature Assembly & Parts Used With

GAR-1177	1	Oil Thrower
GBM-2117	1	ARMATURE
X-156	1	Nut, Shaft, Castellated, 1/2-20
	1 2 3 4 5	

Armature assembly & Parts (Continued)

Part No.	No. Used	Name of Part
	1 2 3 4 5	
X-263	1	Key, Woodruff, #8
X-358	1	Washer, Plain, Arm. Shaft 1/2
X-404	1	Pin, Cotter, 3/32x1

Drive End Head Assembly & Parts Used With

GAR-1096A	1	Head Assy., Drive End
GAR-95	1	Washer, Felt
GAR-96A	1	Head
GX-9	1	Retainer, Bearing
GX-10	1	Gasket, Brg. Retainer
X-196	3	Lockwasher, Retainer Screw #10
8X-311	3	Screw, Retainer, Rd. Hd., #10-32x3/8
X-378	1	BEARING, BALL, SHIELDED, S.A.E. #204

Miscellaneous Parts

CB-4014	1	RELAY ASSY., CUTOUT
CB-123	1	Spring, Armature
CB-160S	1	Cover
PX-55	1	Screw, Arm. Term., Bdg. Hd., #10-32x3/16
12X-196	2	Washer, Lock Term. Screw, #10
8X-312	1	Screw, Bat. Term., Rd. Hd., #10-32x1/4
GBM-24	1	Band, Cover
8X-321	2	Screw, Mtg., Cutout Relay, Rd. Hd., #10-32x5/16
X-714	1	Screw,Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32
X-1270	2	Washer, Skpf., Cutout Relay Mtg., #10
	1 2 3 4 5	

* BRUSH SET, SERVICE, GBM-2012AS.

UNIT	APPLICATION
GBM-4621-5	Elwell-Parker Hercules Lincoln-Electric

(Issed 8-20-47)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GBM-2122)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GAM-1005J	1	COIL ASSY., FIELD, COMPLETE
GAM-1007E	1	Coil Assy., Field, Left
GAL-289	1	Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GAM-1008C	1	Coil Assy., Field,Right
X-767	1	Terminal
GAR-211	1	Bushing, Insulating
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
GJ-20	2	Bolt, Thru
12X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

GBM-2118S	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GAR-1014A	1	Plate, 3rd. Brush
GBM-1118A	1	Head Assy., Partial, C.E.
GBF-79	1	BEARING, ABS. BRONZE
GBM-1012A†	2	Brush, Main
GBM-1013A†	1	Brush, Third
GBW-69	1	Gasket, Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GBW-1068	1	Cover, Comm. End
GCJ-51	1	Spring, Retaining, 3rd. Brush Plate
12X-195	4	Lockwasher, Cover Sc., #8
8X-311	1	Screw, Retaining Spring, Rd. Hd., #10-32x3/8
8X-888	4	Screw, Cover, Fill. Hd., #8-32x5/16
12X-195	3	Lockwasher, Br. Lead Sc., #8
8X-305	3	Screw, Brush Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GAR-1177	1	Oil Thrower
GBM-2117	1	ARMATURE
X-156	1	Nut, Shaft, D.E., 1/2-20
X-263	1	Key, Woodruff, #8
*	1	Washer, Shaft, D.E., Plain 1/2
X-404	1	Pin, Cotter
*	1	Gear

Drive End Head Assembly & Parts Used With

GAR-1096A	1	Head Assy., Drive End
GAR-95	1	Washer, Felt
GAR-96A	1	Head, Drive End
GX-9	1	Retainer, Bearing
GX-10	1	Gasket
X-196	3	Lockwasher, Retainer Sc., #10
8X-311	3	Screw Retainer, Rd. Hd. #10-32x3/8
X-378	1	BEARING, BALL, SHIELDED, S.A.E. #204

Miscellaneous Parts

GBM-24	1	Band, Cover
TC-4327F	1	REGULATOR, TWO CHARGE
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-321	4	Screw, Reg. Mtg., Rd. Hd. #10-32x5/16
8X-794	1	Nut, Cover Band, Square #10-32
X-1270	4	Washer, Mtg. Sc., Skpf. #10

† SERVICE BRUSH SET GBM-2012AS.

* See table following parts list for part number applying to assembly wanted.

Assembly No.	Gear	Washer
GBM-4622-5	None	X-358
GBM-4622A-5	XA-740	GFY-38

UNIT	APPLICATION
GBM-4622-5	Lincoln Electric, Chicago Pneumatic Tool, Hercules, O.K. Clutch
GBM-4622A-5	Lincoln Electric

(Issued 4-12-50)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GBM-2001)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Conn.
GAM-1005J	1	COIL ASSY., FIELD, COMP.
GAM-1007E	1	Coil Assy., Field Left
GAL-289	1	Lead Assy., C.B.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GAM-1008C	1	Coil Assy., Field Right
X-767	1	Terminal
GAR-211	1	Bushing, Insulation
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
MW-20A	2	Bolt, Thru
12X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

GBM-2002S	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GAR-1014A	1	Plate, 3rd Brush
GBM-1002A	1	Head Assy., Partial, C.E.
GAR-219	1	Arm, Brush
GAR-221	1	Spring, Brush
GBF-79	1	BEARING, ABS. BRONZE
GBM-1071R	1	Holder Assy., Main Brush
GAR-219	1	Arm, Brush
GAR-221	1	Spring, Brush
X-195	2	Lockwasher, #8
8X-304	2	Screw, Rd. Hd.#8-32x5/16
GBW-69	1	Gasket, Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Retaining
GBW-1068	1	Cover, Comm. End
GCJ-51	1	Spring, Retaining, 3rd Brush Plate
X-195	4	Lockwasher, Cover Sc., #8
8X-311	1	Screw, Retainer, Rd. Hd. #10-32x3/8
8X-888	4	Screw, Cover, Fill. Hd. #8-32x5/16
GBM-2012AS	1	BRUSH SET, SERVICE
12X-195	3	Lockwasher, Br. Lead, #8
8X-305	3	Screw, Brush Lead, Rd. Hd., #8-32x1/4

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Armature Shaft
GBM-2065F	1	ARMATURE ASSY.
GAR-171	1	Snap Ring
*	1	Spacer, Armature Shaft
GR-32	1	Retainer, Felt Washer
*	1	Pulley Drive
X-260	1	Key, Woodruff, #5
12X-864	1	Lockwasher, Shaft

Drive End Head Assembly & Parts Used With

Part No.	No. Used	Name of Part
GAM-1110S	1	Head Assy., Drive End
GAM-34	1	Retainer, Felt Washer Outer
GAM-110S	1	Head
GAR-63	1	Retainer, Felt Washer, Inner
GAR-64	1	Retainer, Bearing
GG-164	2	Washer, Felt
X-196	3	Lockwasher, Head Sc., #10
8X-311	3	Screw, D.E. Head, Rd. Hd., #10-32x3/8
X-441	1	BEARING, BALL, SHIELDED S.A.E. #203
X-489	1	Oiler, Press in Type, 1/4

Miscellaneous Parts

GAL-1024B	1	Band, Head
*	1	REGULATOR, TWO CHARGE
12X-196	4	Lockwasher, Reg. Mtg., Sc. #10
8X-714	1	Screw, Reg. Mtg., Rd. Hd., #10-32x1 1/2
8X-321	4	Screw, Rd. Hd., #10-32x5/16
8X-794	1	Nut, Square, #10-32

* See table following parts list for number applying to assembly wanted.

Assembly No.	Pulley, Drive	Regulator Two Charge	Spacer
GBM-4802-5	None	TC-4327E	GJ-104
GBM-4802A-5	SP-835A	TC-4327E	None
GBM-4802B-5	SP-835A	TC-4329A	None

UNIT	APPLICATION
GBM-4802-5	Continental
GBM-4802A-5	Continental, Lincoln Electric
GBM-4802B-5	Continental, Worthington

(Issued 8-24-48)

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GBM-2047	1	Frame & Field Assembly
GAL-44	1	Insulation, Field Connection
GAM-1005M	1	COIL ASSY., FIELD, COMPLETE
GAM-1007E	1	Coil Assy., Field, Left
GAL-289	1	Lead Assembly
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GAM-1008D	1	Coil, Field, Right
GCE-27	1	Stud, Terminal, #10-32
GBW-34	1	Washer, Ins., Term. Stud
GBW-67	1	Insulation, Square, Term. Stud
GCY-25	1	Bushing, Ins., Term. Stud
GFE-37	1	Bushing, Lead Ins.
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
12X-196	2	Lockwasher, Term. Stud, #10
8X-349	1	Washer, Term. Stud, Plain #10
8X-1377	2	Nut, Term. Stud, Hex. #10-32
MW-20A	2	Bolt, Thru
12X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

GBM-2002CS	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GAR-1014A	1	Plate, 3rd Brush
GBM-126	1	Packing
GBM-1002E	1	Head Assy., Partial, C.E.
GAR-219	1	Arm, Brush
GAR-221	1	Spring, Brush
GBF-79	1	BEARING, ABS. BRONZE
GBM-1071R	1	Holder Assy., Main Brush
GAR-219	1	Arm, Brush
GAR-221	1	Spring, Brush
12X-195	2	Lockwasher, Holder Sc., #8
8X-304	2	Screw, Brush Holder, Rd. Hd. #8-32x5/16
GBW-30E	1	Cover, Comm. End
GBW-69	1	Gasket, Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GCJ-51	1	Spring, Retaining, 3rd Brush Plate

Comm. End Head Assembly (Cont.)

Part No.	No. Used	Name of Part
12X-195	4	Lockwasher, Cover Sc., #8
8X-311	1	Screw, Retaining Spring, Rd. Hd. #10-32x3/8
8X-888	4	Screw, C.E. Cover, Fill. Hd. #8-32x5/16
X-2961	1	Oiler
GBM-2012DS	1	BRUSH SET, SERVICE
12X-195	3	Lockwasher, Lead Screw, #8
8X-305	3	Screw, Brush Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm. Shaft, D.E.
GBM-2065F	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
*	1	Spacer, Arm. Shaft
GR-32	1	Retainer, Felt Washer
*	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

GAM-1110C	1	Head Assy., Drive End
GAM-110A	1	Head, Drive End
GBM-124	1	Gasket, Brg. Retainer
GBM-125	1	Retainer, Felt, Inner
GBM-127	1	Retainer, Bearing
GBM-128	1	Retainer, Felt, Outer
GG-164A	2	Washer, Felt
12X-196	3	Lockwasher, Retainer Sc. #10
8X-311	3	Screw, Retainer, Rd. Hd. #10-32x3/8
X-441	1	BEARING, BALL, SHIELDED, S.A.E. #203
X-2961	1	Oiler

Miscellaneous Parts

CB-4014	1	RELAY ASSY., CUTOUT
CB-123	1	Spring, Armature
CB-160S	1	Cover, Relay
PX-55	1	Screw, Arm. Term., Bdg. Hd. #10-32x3/16
12X-196	2	Lockwasher, Term. Sc., #10
8X-312	1	Screw, Bat. Term., Rd. Hd. #10-32x1/4
*	1	Band, Cover
*	2	Screw, Relay Mtg., Rd. Hd. #10-32x5/16

(Continued on Reverse Side)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Miscellaneous Parts (Continued)

Part No.	No. Used	Name of Part
12X-196	2	Lockwasher, Mtg. Sc., #10
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

* See table following parts list for part number applying to assembly wanted.

Assembly No.	Spacer	Pulley	Cover Band	Mtg. Screw
GBM-4804-5	None	None	GAL-1024F	8X-321
GBM-4804A-5	None	SP-383A	GBM-1024D	8X-1515
GBM-4804B-5	None	SP-394A	GBM-1024D	8X-1515
GBM-4804C-5	None	SP-406A	GAL-1024F	8X-321
GBM-4804D-5	None	SP-432A	GAL-1024F	8X-1515
GBM-4804E-5	None	SP-489A	GBM-1024D	8X-1515
GBM-4804F-5	GJ-104B	SP-856	GBM-1024D	8X-321

UNIT	APPLICATION
GBM-4804-5	Service Generator
GBM-4804A-5	Case, Continental, Massey-Harris
GBM-4804B-5	Kalamazoo, Massey-Harris
GBM-4804C-5	Continental
GBM-4804D-5,	Massey-Harris
GBM-4804E-5	Massey-Harris
GBM-4804F-5	Kalamazoo Mfg.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GBM-4805-5 GENERATOR PARTS LIST — GBM-4805-5 (Issued 3-3-54)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GBM-2047	1	Frame & Field Assembly
GAL-44	1	Insulation, Field Connection
GAM-1005M	1	COIL ASSY., FIELD, COMPLETE
GAM-1007E	1	Coil Assy., Field, Left
GAL-289	1	Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GAM-1008D	1	Coil, Field, Right
GCE-27	1	Stud, Field Terminal, #10-32
GBW-34	1	Washer, Insulating
GBW-67	1	Insulation, Term. Stud, Inner
GCY-25	1	Bushing, Insulating
GFE-37	1	Bushing, Insulating
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
12X-196	2	Washer, Lock, Term. Stud, #10
8X-349	1	Washer, Plain, Term. Stud, #10
8X-1377	2	Nut, Term. Stud, Hex. #10-32
MW-20A	2	Bolt, Thru
X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

Part No.	No. Used	Name of Part
GBM-2002S	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GAR-1014A	1	Plate, 3rd Brush
GBM-1002A	1	Head Assy., Partial, C.E.
GAR-219	1	Arm, Brush
GAR-221	1	Spring, Brush
GBF-79	1	BEARING, ABSORBENT BRONZE
GBM-1071R	1	Holder Assy., Main Brush
GAR-219	1	Arm, Brush
GAR-221	1	Spring, Brush
X-195	2	Lockwasher, Brush Holder, #8
8X-304	2	Screw, Holder Attaching, Rd. hd., #8-32x5/16
GBW-69	1	Gasket, C.E. Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GBW-1068	1	Cover, Comm. End
GCJ-51	1	Spring, Retaining, 3rd Brush Plate
X-195	4	Lockwasher, Cover Sc., #8
8X-311	1	Screw, Plate Retaining, Rd. hd. #10-32x3/8

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
8X-888	4	Screw, Cover, Fill. Hd. #8-32x5/16
GBM-2012DS	1	BRUSH SET, SERVICE
X-195	3	Lockwasher, Brush Lead, #8
8X-305	3	Screw, Brush Lead, Rd. hd., #8-32x1/4

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Armature Shaft, D.E.
GBM-2065F	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GJ-104	1	Spacer, Armature Shaft
GR-32	1	Retainer, Felt Washer
X-260	1	Key, Woodruff, #5
X-864	1	Lockwasher, Arm. Shaft, D.E.

Drive End Head Assembly & Parts Used With

GAM-1110S	1	Head Assy., Drive End
GAM-34A	1	Retainer, Felt Washer, Outer
GAM-110A	1	Head, Drive End
GAR-63	1	Retainer, Felt Washer, Inner
GAR-64	1	Retainer, Bearing
GG-164	2	Washer, Felt
12X-196	3	Lockwasher, Retainer Screw, #10
8X-311	3	Screw, Retainer, Rd. hd. #10-32x3/8
X-441	1	BEARING, BALL, SHIELDED, S.A.E. #203
X-489	1	Oiler

Miscellaneous Parts

CB-4014	1	RELAY ASSY., CUTOUT
CB-123	1	Spring, Armature
CB-160S	1	Cover
PX-55	1	Screw, Arm. Term., Bdg. hd., #10-32x3/16
12X-196	2	Washer, Lock, Term. Sc., #10
8X-312	1	Screw, Bat. Term., Rd. hd. #10-32x1/4
GAL-1024F	1	Band, Cover
X-196	2	Lockwasher, Relay Mtg., #10
8X-321	2	Screw, Mtg., Cutout Relay, Rd. hd. #10-32x5/16
8X-714	1	Screw, Cover Band, Rd. hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square, #10-32

UNIT	APPLICATION
GBM-4805-5	Continental, Massey Harris

Printed in U.S.A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

PRELIMINARY

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GBM-2044)	1	Frame & Field Assembly
GAL-44	1	Field Connection Ins.
GAM-29	2	Pole Piece
GAM-1005F	1	FIELD COIL ASSY.- Comp.
GAM-1007E	1	Field Coil Assy.-Left
GAL-289	1	C.B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GAM-1008	1	Field Coil Assy.-Right
X-959	1	Terminal
GAR-211	1	Insulating Bushing
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-140	1	#6-32 Hex. Nut
X-194	1	#6 Lock Washer
8X-1008	1	#6-32x9/16 Rd. Hd. Sc.
MW-20A	2	Frame Screw
X-199	2	1/4 Lock Washer

Comm. End Plate Assembly & Parts Used With

(GBM-2002A)	1	Comm. End Plate Assembly
GAR-73	1	Oil Wick
GAR-98A	1	Wick Cover
GAR-1014A	1	3rd Brush Holder Plate Assembly
GBM-1002C	1	C. E. Plate Part Assy.
GAR-219	1	Brush Arm
GAR-221	1	Brush Spring
GBF-79	1	ABSORBENT BRONZE BRG.
GBM-1071R	1	Main Brush Holder Assembly
GAR-219	1	Brush Arm
GAR-221	1	Brush Spring
X-195	2	#8 Lock Washer
8X-304	2	#8-32x5/16 Rd. Hd. Sc.
GBM-1012A†	2	Brush - Main
GBM-1013B†	1	Brush - Third
GBW-69	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GBW-1068B	1	Comm. End Cap Cover
GCJ-51	1	3rd Brush Plate Retaining Spring
X-195	5	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
8X-311	1	#10-32x3/8 Rd. Hd. Screw
8X-888	4	#8-32x5/16 Fill. Hd. Sc.
X-195	2	#8 Lock Washer
8X-305	2	#8-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GBM-2065F	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GR-32	1	Felt Washer Retainer
SP-1344	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GAM-1101	1	Drive End Head Assembly
GAM-34	1	Oil Guard - Corrugated
GAM-101	1	Drive End Head
GAR-63	1	Felt Guard
GAR-64	1	Bearing Retainer
GG-164	2	Felt Washer
X-196	3	#10 Lock Washer
X-295	1	BALL BEARING- S.A.E. #203
8X-311	3	#10-32x3/8 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

CB-4014	1	CIRCUIT BREAKER ASSEMBLY
CB-123	1	Armature Spring
CB-160S	1	C. B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Screw
GAL-1024G	1	Head Band Assembly
8X-308	1	#10-32x1 3/8 Rd. Hd. Screw
8X-321	2	#10-32x5/16 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
X-1270	2	#10 Skpf. Washer
		1 2 3 4 5

(Issued 4-18-41)

† SERVICE BRUSH SET GBM-2012BS.

UNIT	APPLICATION
GBM-4806A	J. I. Case

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GBM-2067)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GAM-1005J	1	COIL ASSY., FIELD, COMPLETE
GAM-1007E	1	Coil Assy., Field, Left
GAL-289	1	Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GAM-1008C	1	Coil Assy., Field, Right
X-767	1	Terminal
GFE-37	2	Bushing, Insulating
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
GCM-71	1	Bracket, Mtg., Generator
MW-20A	2	Bolt, Thru
12X-199	2	Lockwasher, Thru Bolt, 1/4
X-402	2	Pin, Cotter, Brkt. Sc.
8X-863A	2	Screw, Mounting Bracket,Hex. Hd. 5/16-24x1 1/4
12X-1014	2	Lockwasher, Mtg. Bracket Screw, 5/16
8X-1061	2	Nut, Bracket Screw, Castellated 5/16-24

Comm. End Head Assembly & Parts Used With

GBM-2075	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GAR-1014A	1	Plate, 3rd. Brush
GBM-1012A†	2	Brush, Main
GBM-1013A†	1	Brush, Third
GBM-1075A	1	Head Assy., Partial, C.E.
GAR-219	1	Arm, Brush
GAR-221	1	Spring, Brush
GBF-79	1	Bearing, Abs. Bronze
GBM-1071R	1	Holder Assy., Main Brush
GAR-219	1	Arm, Brush
GAR-221	1	Spring, Brush
X-195	2	Lockwasher, Holder Screw, #8
8X-304	2	Screw, Br. Holder, Rd. Hd. #8-32x5/16
GBW-69	1	Gasket, C.E. Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GBW-1068	1	Cover, Comm. End
GCJ-51	1	Spring, Retaining,3rd Brush Plate
12X-195	4	Lockwasher, Cover Sc., #8
8X-311	1	Screw, Retaining Spring, Rd. Hd. #10-32x3/8

Comm. End Head Assembly (Cont'd.)

Part No.	No. Used	Name of Part
8X-888	4	Screw, Cover, Fill. Hd. #8-32x5/16
12X-195	3	Lockwasher, Brush Lead, #8
8X-305	3	Screw, Brush Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

GBM-2065F	1	ARMATURE ASSY.
GAR-171	1	Snap Ring
GR-32	1	Retainer, Felt Washer
*	1	Pulley, Drive
*	1	Nut, Armature Shaft
X-260	1	Key, Woodruff, #5

Drive End Head Assembly & Parts Used With

GBJ-1003C	1	Head Assy., Drive End
GAR-63	2	Retainer, Felt Washer
GAR-64	2	Retainer, Bearing
GBJ-3C	1	Head
GG-164	2	Washer, Felt
8X-173	3	Nut, Retainer Screw, Hex., #10-32
X-196	3	Lockwasher, Retainer Sc.,#10
X-295	1	BEARING, BALL, S.A.E.#203
X-489	1	Oiler
8X-1003	3	Screw, Retainer, Rd. Hd. #10-32x7/8

Miscellaneous Parts

GBM-24	1	Band, Cover
TC-4302A	1	REGULATOR, TWO CHARGE
12X-196	4	Lockwasher, Regulator Mtg.,#10
8X-321	4	Screw, Mtg., Regulator, Rd. Hd. #10-32x5/16
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

Assembly No.	Pulley Drive	Nut, Arm. Shaft
GBM-4807-1	None	None
GBM-4807A-1	SP-368	SP-369

† BRUSH SET, SERVICE GBM-2012AS.

* See table following parts list for part number applying to assembly wanted.

UNIT	APPLICATION
GBM-4807-1	Toro
GBM-4807A-1	Toro, U.S. Motors

(Issued 3-31-50)

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GBM-4808A GENERATOR PARTS LIST GBM-4808A

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GBM-2067)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GAM-1005J	1	Coil Assy., Field, Comp.
GAM-1007E	1	Coil Assy., Field, Left
GAL-289	1	Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GAM-1008C	1	Coil Assy., Field, Right
X-767	1	Terminal
GAR-211	1	Bushing, Insulating
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel, Head Locating
MW-20A	2	Bolt, Thru
X-199	2	Washer, Lock, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

(GBM-2002B)	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GAR-1014A	1	Plate, 3rd Brush
GBM-1002A	1	Head Assy., Partial, C E.
GAR-219	1	Arm, Brush
GAR-221	1	Spring, Brush
GBF-79	1	Bearing, Absorbent Bronze
GBM-1071R	1	Holder Assy., Main Brush
GAR-219	1	Arm, Brush
GAR-221	1	Spring, Brush
X-195	2	Washer, Lock, Brush Holder, #8
8X-304	2	Screw, Holder Attaching, Rd. hd., #8-32x5/16
GBM-1012A‡	2	Brush, Main
GBM-1013B‡	1	Brush, Third
GBW-69	1	Gasket, C.E. Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GBW-1068B	1	Cover, Comm. End
GCJ-51	1	Spring, Retaining, 3rd Brush Plate
X-195	4	Washer, Lock, Cover Sc., #8
8X-311	1	Screw, Plate Retaining, Rd. hd., #10-32x3/8
8X-888	4	Screw, Cover, Fill. hd., #8-32x5/16
X-195	3	Washer, Lock, Brush Lead, #8
8X-305	3	Screw, Brush Lead, Rd. hd., #8-32x1/4
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Nut, Armature Shaft
GBM-2065F	1	Armature Assy.
GAR-171	1	Snap Ring
GR-32	1	Retainer, Felt Washer
SP-1344	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
X-864	1	Washer, Lock, Arm. Shaft, .669

Drive End Head Assembly & Parts Used With

GAM-1101A	1	Head Assy., Drive End
GAM-34	1	Retainer, Felt Washer, Outer
GAM-101A	1	Head
GAR-63	1	Retainer, Felt Washer, Inner
GAR-64	1	Retainer, Bearing
GG-164	2	Washer, Felt
X-196	3	Washer, Lock, Retainer Sc., #10
X-295	1	Bearing, Ball, S.A.E. #203
8X-311	3	Screw, Retainer, Rd. hd., #10-32x3/8
X-489	1	Oiler, Hinge Top, Press in, 1/4

Miscellaneous Parts

GAL-1024B	1	Band, Cover
TC-4305C	1	Regulator
X-196	4	Washer, Lock, Regulator Mtg., #10
8X-308	1	Screw, Cover Band, Rd. hd., #10-32x1 3/8
8X-321	4	Screw, Mtg., Regulator, Rd. hd., #10-32x5/16
8X-794	1	Nut, Cover Band, Square, #10-32
		1 2 3 4 5

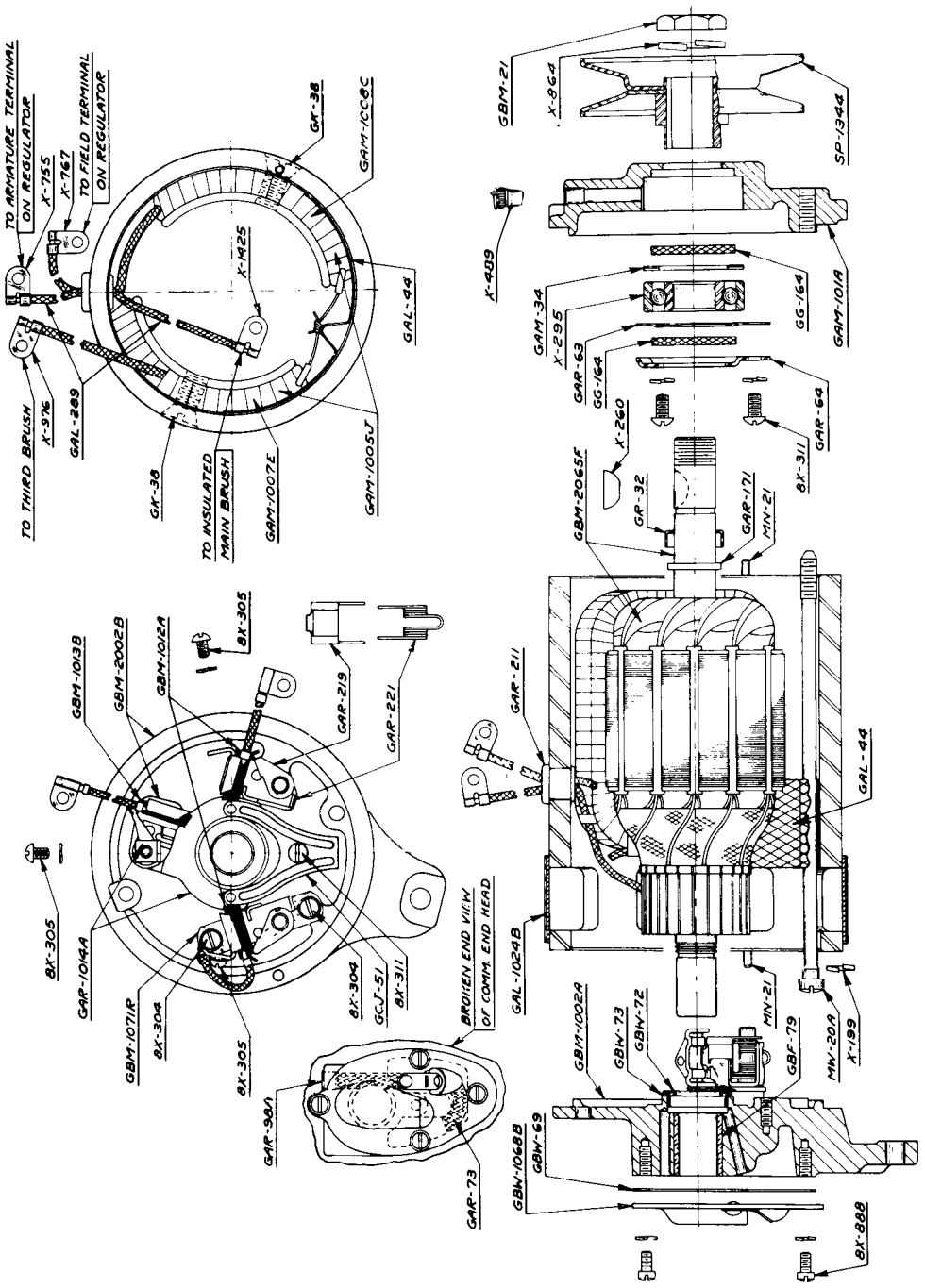
(Issued 3-14-44)

‡ Brush Set, Service, GBM-2012BS.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

File in Equipment & Parts List Binder

GBM-4808A GENERATOR ILLUSTRATION



GBM-4808A GENERATOR PARTS LIST GBM-4808A

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GBM-2067)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GAM-1005J	1	Coil Assy., Field, Comp.
GAM-1007E	1	Coil Assy., Field, Left
GAL-289	1	Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GAM-1008C	1	Coil Assy., Field, Right
X-767	1	Terminal
GAR-211	1	Bushing, Insulating
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel, Head Locating
MW-20A	2	Bolt, Thru
X-199	2	Washer, Lock, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

(GBM-2002B)	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GAR-1014A	1	Plate, 3rd Brush
GBM-1002A	1	Head Assy., Partial, C E.
GAR-219	1	Arm, Brush
GAR-221	1	Spring, Brush
GBF-79	1	Bearing, Absorbent Bronze
GBM-1071R	1	Holder Assy., Main Brush
GAR-219	1	Arm, Brush
GAR-221	1	Spring, Brush
X-195	2	Washer, Lock, Brush Holder, #8
8X-304	2	Screw, Holder Attaching, Rd. hd., #8-32x5/16
GBM-1012A‡	2	Brush, Main
GBM-1013B‡	1	Brush, Third
GBW-69	1	Gasket, C.E. Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GBW-1068B	1	Cover, Comm. End
GCJ-51	1	Spring, Retaining, 3rd Brush Plate
X-195	4	Washer, Lock, Cover Sc., #8
8X-311	1	Screw, Plate Retaining, Rd. hd., #10-32x3/8
8X-888	4	Screw, Cover, Fill. hd., #8-32x5/16
X-195	3	Washer, Lock, Brush Lead, #8
8X-305	3	Screw, Brush Lead, Rd. hd., #8-32x1/4
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Nut, Armature Shaft
GBM-2065F	1	Armature Assy.
GAR-171	1	Snap Ring
GR-32	1	Retainer, Felt Washer
SP-1344	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
X-864	1	Washer, Lock, Arm. Shaft, .669

Drive End Head Assembly & Parts Used With

GAM-1101A	1	Head Assy., Drive End
GAM-34	1	Retainer, Felt Washer, Outer
GAM-101A	1	Head
GAR-63	1	Retainer, Felt Washer, Inner
GAR-64	1	Retainer, Bearing
GG-164	2	Washer, Felt
X-196	3	Washer, Lock, Retainer Sc., #10
X-295	1	Bearing, Ball, S.A.E. #203
8X-311	3	Screw, Retainer, Rd. hd., #10-32x3/8
X-489	1	Oiler, Hinge Top, Press in, 1/4

Miscellaneous Parts

GAL-1024B	1	Band, Cover
TC-4305C	1	Regulator
X-196	4	Washer, Lock, Regulator Mtg., #10
8X-308	1	Screw, Cover Band, Rd. hd., #10-32x1 3/8
8X-321	4	Screw, Mtg., Regulator, Rd. hd., #10-32x5/16
8X-794	1	Nut, Cover Band, Square, #10-32
		1 2 3 4 5

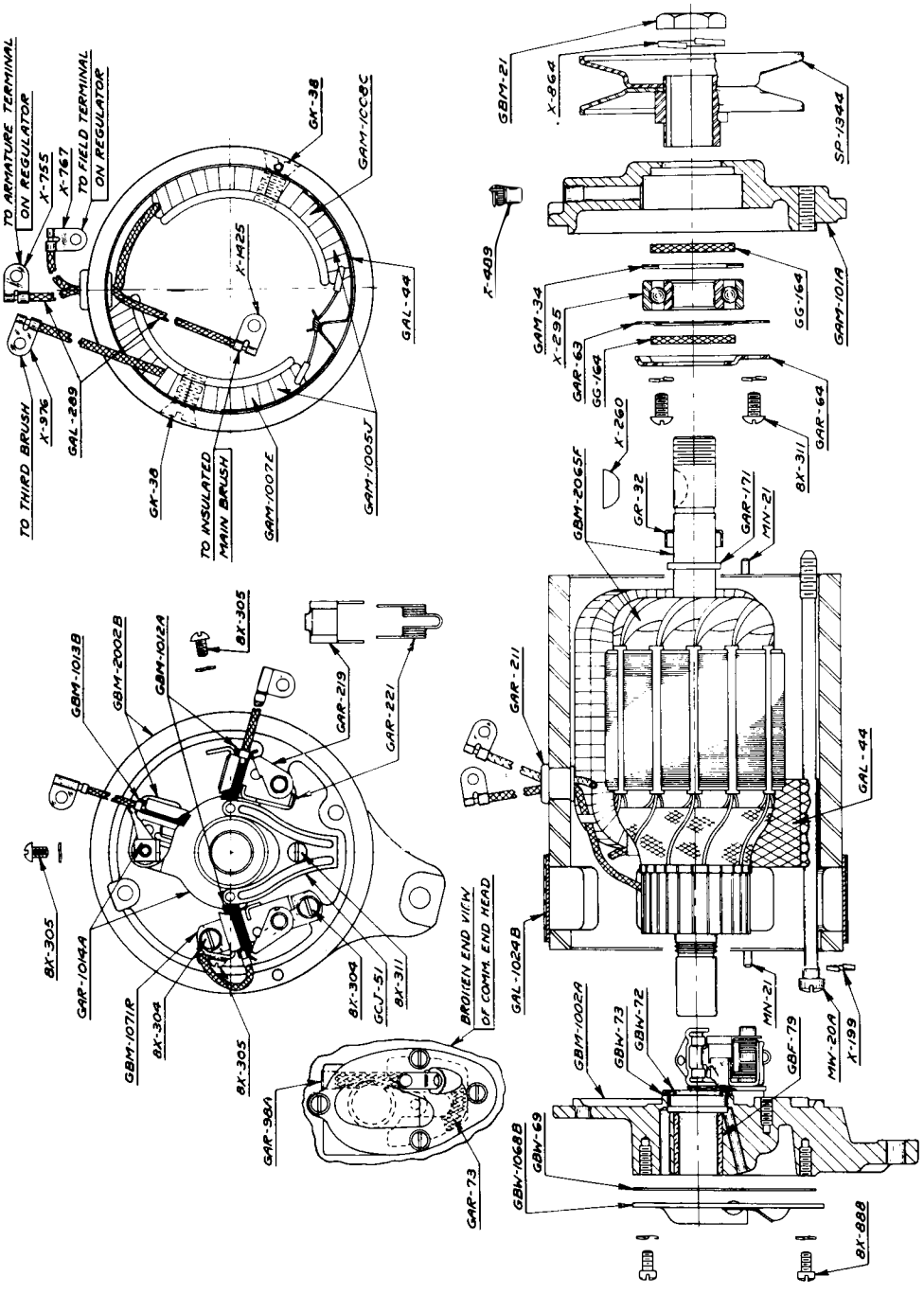
(Issued 3-14-44)

‡ Brush Set, Service, GBM-2012BS.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

File in Equipment & Parts List Binder

GBM-4808A GENERATOR ILLUSTRATION



GBM-4808A GENERATOR PARTS LIST GBM-4808A

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GBM-2067)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GAM-1005J	1	Coil Assy., Field, Comp.
GAM-1007E	1	Coil Assy., Field, Left
GAL-289	1	Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GAM-1008C	1	Coil Assy., Field, Right
X-767	1	Terminal
GAR-211	1	Bushing, Insulating
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel, Head Locating
MW-20A	2	Bolt, Thru
X-199	2	Washer, Lock, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

(GBM-2002B)	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GAR-1014A	1	Plate, 3rd Brush
GBM-1002A	1	Head Assy., Partial, C E.
GAR-219	1	Arm, Brush
GAR-221	1	Spring, Brush
GBF-79	1	Bearing, Absorbent Bronze
GBM-1071R	1	Holder Assy., Main Brush
GAR-219	1	Arm, Brush
GAR-221	1	Spring, Brush
X-195	2	Washer, Lock, Brush Holder, #8
8X-304	2	Screw, Holder Attaching, Rd. hd., #8-32x5/16
GBM-1012A‡	2	Brush, Main
GBM-1013B‡	1	Brush, Third
GBW-69	1	Gasket, C.E. Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GBW-1068B	1	Cover, Comm. End
GCJ-51	1	Spring, Retaining, 3rd Brush Plate
X-195	4	Washer, Lock, Cover Sc., #8
8X-311	1	Screw, Plate Retaining, Rd. hd., #10-32x3/8
8X-888	4	Screw, Cover, Fill. hd., #8-32x5/16
X-195	3	Washer, Lock, Brush Lead, #8
8X-305	3	Screw, Brush Lead, Rd. hd., #8-32x1/4
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Nut, Armature Shaft
GBM-2065F	1	Armature Assy.
GAR-171	1	Snap Ring
GR-32	1	Retainer, Felt Washer
SP-1344	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
X-864	1	Washer, Lock, Arm. Shaft, .669

Drive End Head Assembly & Parts Used With

GAM-1101A	1	Head Assy., Drive End
GAM-34	1	Retainer, Felt Washer, Outer
GAM-101A	1	Head
GAR-63	1	Retainer, Felt Washer, Inner
GAR-64	1	Retainer, Bearing
GG-164	2	Washer, Felt
X-196	3	Washer, Lock, Retainer Sc., #10
X-295	1	Bearing, Ball, S.A.E. #203
8X-311	3	Screw, Retainer, Rd. hd., #10-32x3/8
X-489	1	Oiler, Hinge Top, Press in, 1/4

Miscellaneous Parts

GAL-1024B	1	Band, Cover
TC-4305C	1	Regulator
X-196	4	Washer, Lock, Regulator Mtg., #10
8X-308	1	Screw, Cover Band, Rd. hd., #10-32x1 3/8
8X-321	4	Screw, Mtg., Regulator, Rd. hd., #10-32x5/16
8X-794	1	Nut, Cover Band, Square, #10-32
		1 2 3 4 5

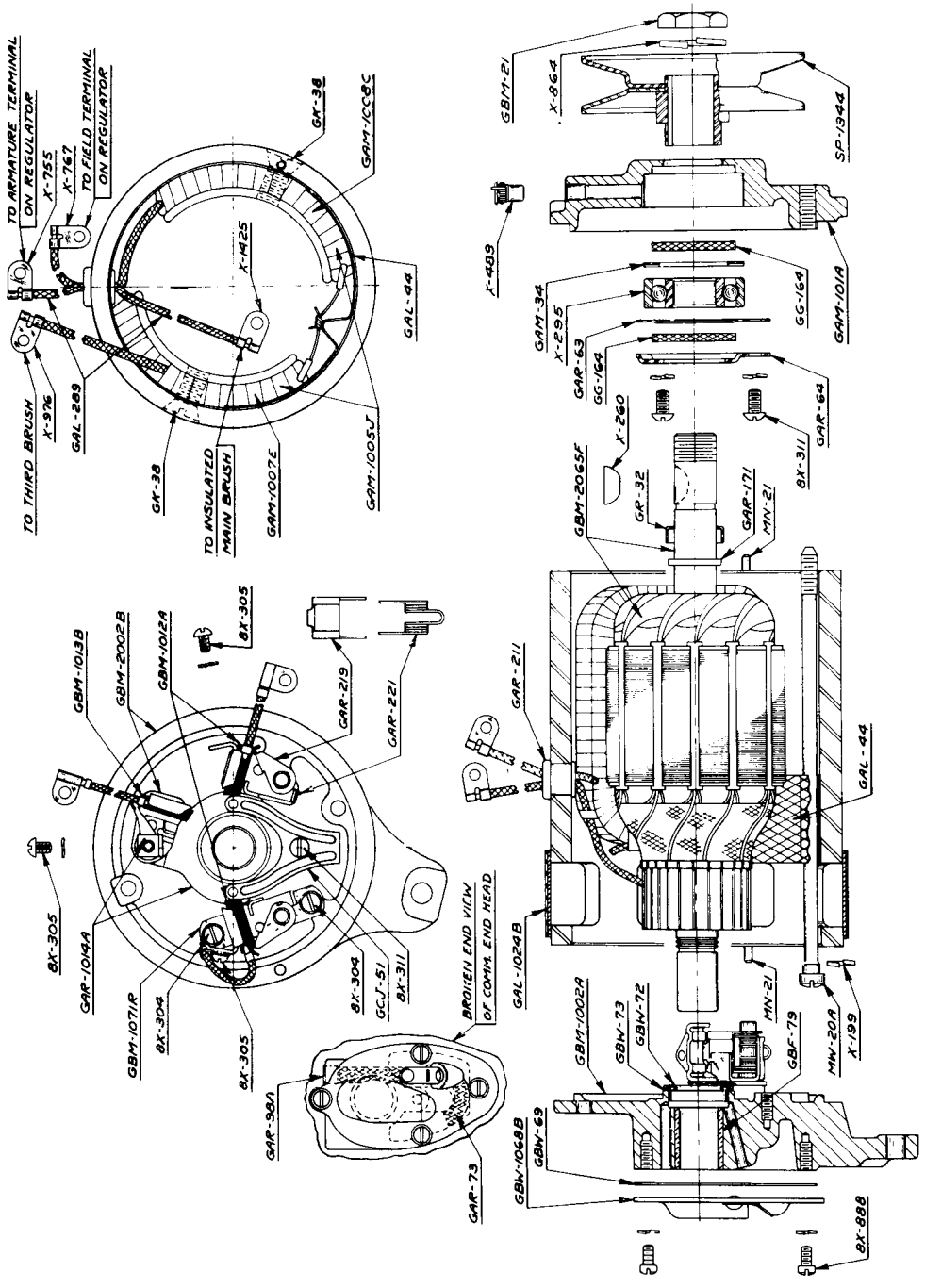
(Issued 3-14-44)

‡ Brush Set, Service, GBM-2012BS.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

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GBM-4808A GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
*	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GAM-1005J	1	Coil Assy., Field, Comp.
GAM-1007E	1	Coil Assy., Field, Left
GAL-289	1	Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GAM-1008C	1	Coil Assy., Field, Right
X-767	1	Terminal
GAR-211	1	Bushing, Insulating
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel, Head Locating
MW-20A	2	Bolt, Thru
X-199	2	Washer, Lock, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

(GBM-2002)	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GAR-1014A	1	Plate, 3rd Brush
GBM-1002A	1	Head Assy., Partial, C.E.
GAR-219	1	Arm, Brush
GAR-221	1	Spring, Brush
GBF-79	1	Bearing, Absorbent Bronze
GBM-1071R	1	Holder Assy., Main Brush
GAR-219	1	Arm, Brush
GAR-221	1	Spring, Brush
X-195	2	Washer, Lock, Brush Holder, #8
8X-304	2	Screw, Holder Attaching, Rd. hd., #8-32x5/16
GBM-1012A‡	2	Brush, Main
GBM-1013A‡	1	Brush, Third
GBW-69	1	Gasket, C.E. Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GBW-1068B	1	Cover, Comm. End
GCJ-51	1	Spring, Retaining, 3rd Brush Plate
X-195	4	Washer, Lock, Cover Sc., #8
8X-311	1	Screw, Plate Retaining, Rd. hd., #10-32x3/8
8X-888	4	Screw, Cover, Fil. hd., #8-32x5/16
X-195	3	Washer, Lock, Brush Lead, #8
8X-305	3	Screw, Brush Lead, Rd. hd., #8-32x1/4
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Nut, Armature Shaft
GBM-2065F	1	Armature Assy.
GAR-171	1	Snap Ring
GR-32	1	Retainer, Felt Washer
SP-1344	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
X-864	1	Washer, Lock, Arm. Shaft, .669

Drive End Head Assembly & Parts Used With

GAM-1101A	1	Head Assy., Drive End
GAM-34	1	Retainer, Felt Washer, Outer
GAM-101A	1	Head
GAR-63	1	Retainer, Felt Washer, Inner
GAR-64	1	Retainer, Bearing
GG-164	2	Washer, Felt
X-196	3	Washer, Lock, Retainer Sc., #10
X-295	1	Bearing, Ball, S.A.E. #203
8X-311	3	Screw, Retainer, Rd. hd., #10-32x3/8
X-489	1	Oiler, Hinge Top, Press in, 1/4

Miscellaneous Parts

GAL-1024B	1	Band, Cover
*	1	Regulator
X-196	4	Washer, Lock, Regulator Mtg., #10
8X-308	1	Screw, Cover Band, Rd. hd., #10-32x1 3/8
8X-321	4	Screw, Mtg., Regulator, Rd. hd., #10-32x5/16
8X-794	1	Nut, Cover Band, Square, #10-32
		1 2 3 4 5

(Issued 3-14-44)

Assembly No.	Frame & Field Assy.,	Regulator
GBM-4809A	GBM-2067	TC-4305E
GBM-4809B	GBM-2082	TC-4324A

‡ Brush Set, Service, GBM-2012AS.

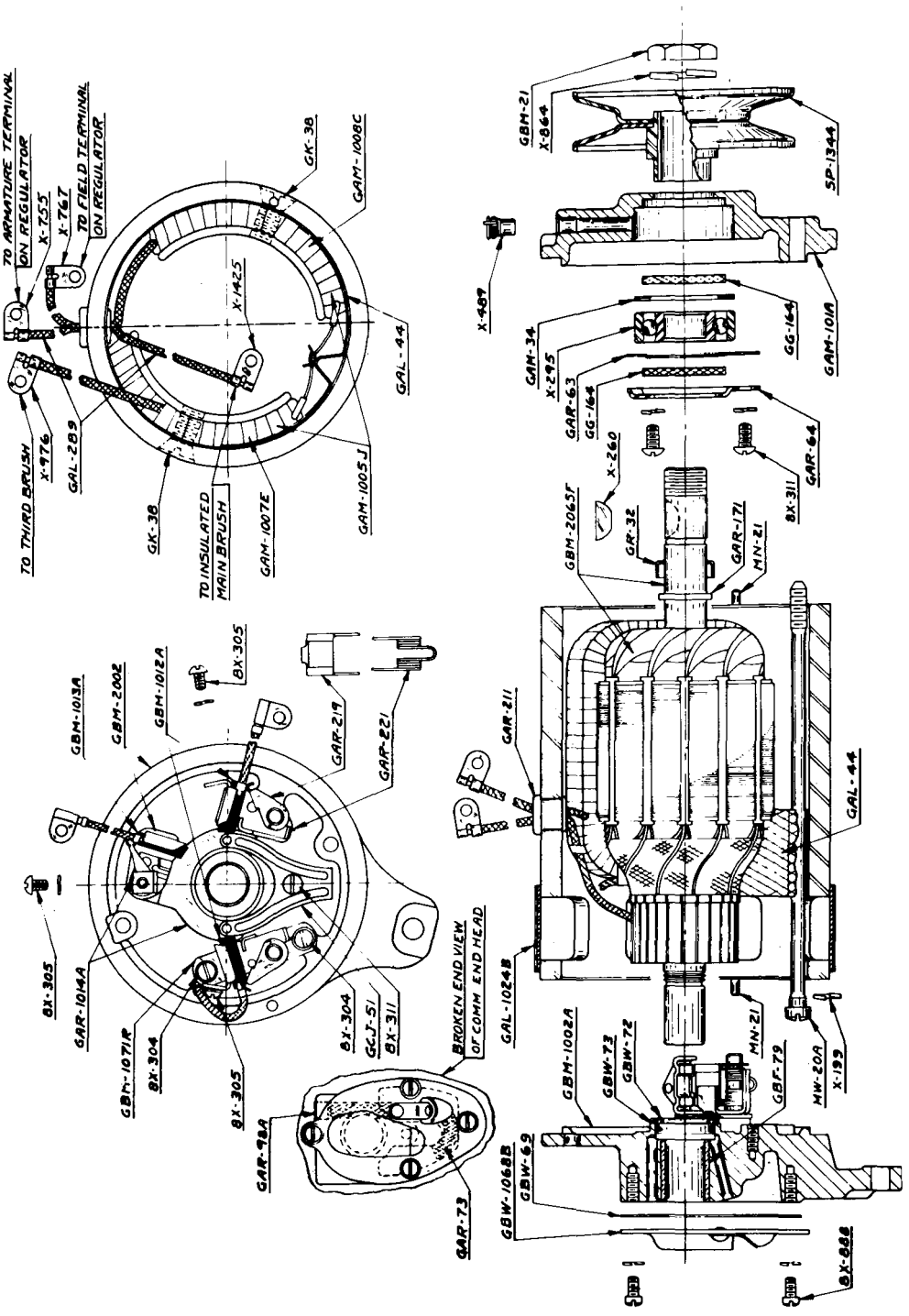
* See table following parts list for part numbers applying to assembly wanted.

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

File in Equipment & Parts List Binder

GBM-4809A,B GENERATOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

PRELIMINARY

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part 1 2 3 4 5
(GBM-2083)	1	Frame & Field Assy.
GAA-32	1	Term. Post Top Ins.
GAL-44	1	Field Connection Ins.
GAM-29	2	Pole Piece
GAM-1005K	1	FIELD COIL ASSY.-Comp.
GAM-1007G	1	Field Coil Assy.-Left
X-976	1	Terminal
GAM-1008	1	Field Coil Assy.-Right
X-959	1	Terminal
GBW-66	1	Term. Post Bottom Ins.
GCT-25	1	Insulating Bushing
GDS-30	1	Lead Assembly
GAA-27	1	Terminal Post
X-1611	1	Terminal
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-140	1	#6-32 Hex. Nut
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-194	1	#6 Lock Washer
8X-361	1	1/4 Plain Washer
8X-1008	1	#6-32x9/16 Rd. Hd. Sc.
GJ-20	2	Frame Screw
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-199	2	1/4 Lock Washer

Comm. End Plate Assembly & Parts Used With

(GBM-2075)	1	Comm. End Plate Assy.
GAR-73	1	Oil Wick
GAR-98A	1	Wick Cover
GAR-1014A	1	3rd Br. Holder Plate Assy.
GBM-1012A†	2	Brush - Main
GBM-1013A†	1	Brush - Third
GBM-1075A	1	C.E. Plate Part Assy.
GAR-219	1	Brush Arm
GAR-221	1	Brush Spring
GBF-79	1	ABSORBENT BRONZE BRG.
GBM-1071R	1	Main Brush Holder Assy.
GAR-219	1	Brush Arm
GAR-221	1	Brush Spring
X-195	2	#8 Lock Washer
8X-304	2	#8-32x5/16 Rd. Hd. Sc.
GBW-69	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GBW-1068B	1	Comm. End Cap Cover
GCJ-51	1	3rd Br. Plate Retaining Spring
X-195	5	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Sc.
8X-311	1	#10-32x3/8 Rd. Hd. Sc.
8X-888	4	#8-32x5/16 Fill. Hd. Sc.
X-195	2	#8 Lock Washer
8X-305	2	#8-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part 1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GBM-2065	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GR-32	1	Felt Washer Retainer
SP-1178	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GBJ-1003C	1	Drive End Head Assy.
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GBJ-3C	1	Drive End Head
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	BALL BEARING - S.A.E. #203
X-489	1	1/4 Oiler-Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Screw

Miscellaneous Parts

GAL-1024	1	Head Band Assy.
X-714	1	#10-32x1 1/2 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 10-31-41)

† Service BRUSH SET GBM-2012AS.

UNIT	APPLICATION
GBM-4810A	Climax

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GBM-4811 GENERATOR PARTS LIST GBM-4811

PRELIMINARY

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GBM-3087)	1	Frame & Field Assy.
GAA-30	1	Term. Post Bottom Ins.
GAA-32	1	Term. Post Top Ins.
GAL-44	1	Field Connection Ins.
GAM-29	2	Pole Piece
GAM-2005A	1	FIELD COIL ASSY.-Comp.
GAM-1007J	1	Field Coil Assy.-Left
X-976	1	Terminal
GAM-1008E	1	Field Coil Assy.-Right
X-959	1	Terminal
GCT-25	1	Insulating Bushing
GDK-25	1	Lead Assembly
GCE-34	1	Terminal Post
X-847	1	Terminal
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-140	1	#6-32 Hex. Nut
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-194	1	#6 Lock Washer
8X-361	1	1/4 Plain Washer
8X-1008	1	#6-32x9/16 Rd. Hd. Sc.
MW-20	2	Frame Screw
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-199	2	1/4 Lock Washer

Comm. End Plate Assembly & Parts Used With

DA-39	2	Flat Oil Guard
DJ-10	1	End Cap Cover Gasket
GAG-53	1	Comm. End Cap Cover
(GBM-3086)	1	Comm. End Plate Assy.
GBM-1012A†	2	Brush - Main
GBM-1013A†	1	Brush - Third
GBM-1086	1	C.E. Plate Part Assy.
GAR-219	1	Brush Arm
GAR-221	1	Brush Spring
GBM-1071L	1	Main Br. Holder Assy.
GAR-219	1	Brush Arm
GAR-221	1	Brush Spring
X-195	2	#8 Lock Washer
8X-304	2	#8-32x5/16 Rd. Hd. Sc.
GCJ-51	1	3rd Br. Plate Retaining Spring
GDB-1014L	1	3rd Br. Plate Assy.
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Sc.
8X-311	1	#10-32x3/8 Rd. Hd. Sc.
GR-32	1	Felt Washer Retainer
GR-35	2	Felt Washer
X-195	2	#8 Lock Washer
X-295	1	BALL BEARING - S.A.E. #203
8X-305	2	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Sc.
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-88	1	3/16 Square Key
GBM-2085	1	ARMATURE ASSEMBLY
GAR-171	2	Snap Ring
GJ-104	2	Armature Shaft Spacer
X-161	1	1/2-20 Hex. Nut
X-1500	1	1/2 Skpf. Washer

Drive End Head Assembly & Parts Used With

GCZ-1003A	1	Drive End Head Assy.
GCZ-3A	1	Drive End Head
GG-6	2	Bearing Retainer
GG-164	1	Felt Washer
GK-176	1	Felt Washer Retainer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	BALL BEARING - S.A.E. #203
8X-316	3	#10-32x3/4 Rd. Hd. Screw
X-489	1	1/4 Oiler-Press in Type

Miscellaneous Parts

GAL-1024	1	Head Band Assy.
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 10-31-41)

† Service BRUSH SET GBM-2012AS.

NOTE:- CB-4025 CIRCUIT BREAKER is used with but is not a part of this generator.

UNIT	APPLICATION
GBM-4811	Crosley Corp.

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Part No.	No. Used	Name of Part
		Frame & Field Assembly & Parts Used With
(GBM-3080)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GAM-2005B	1	Coil Assy., Field, Comp.
GAM-1007J	1	Coil Assy., Field, Left
X-976	1	Terminal
GAM-1008F	1	Coil Assy., Field, Right
GAL-289	1	Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
GCE-27	1	Stud, Field Terminal, #10-32
GAR-211A	1	Bushing, Insulating
GBW-34	1	Washer, Ins., Term. Stud
GBW-67	1	Insulation, Term. Stud, Inner
GCY-25	1	Bushing, Ins., Term. Stud
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel, Head Locating
X-196	2	Washer, Lock, Term. Stud, #10
8X-349	1	Washer, Plain, Term. Stud, #10
5X-1377	2	Nut, Term. Stud, #10-32
MW-20A	2	Bolt, Thru
X-199	2	Washer, Lock, Thru Bolt, 1/4
		Comm. End Head Assembly & Parts Used With
(GBM-3074)	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBM-1012A‡	2	Brush, Main
GBM-1013A‡	1	Brush, Third
GBM-1074A	1	Head Assy., Partial, C.E.
GAR-219	1	Arm, Brush
GAR-221	1	Spring, Brush
GBF-79	1	Bearing, Absorbent Bronze
GBM-1071L	1	Holder Assy., Main Brush
GAR-219	1	Arm, Brush
GAR-221	1	Spring, Brush
X-195	2	Washer, Lock, Brush Holder Screw, #8
8X-304	2	Screw, Holder Attaching, Rd. hd., #8-32x5/16
GBW-69	1	Gasket, C.E. Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GBW-1068B	1	Cover, Comm. End
GCJ-51	1	Spring, Retaining, 3rd Brush Plate
GDB-1014L	1	Plate, 3rd Brush
X-195	4	Washer, Lock, Cover Sc., #8
8X-311	1	Screw, Plate Retaining, Rd. hd., #10-32x3/8
8X-888	4	Screw, Cover, Fil. hd., #8-32x5/16

1 2 3 4 5

Part No.	No. Used	Name of Part
		Comm. End Head Assembly (Continued)
X-195	3	Washer, Lock, Brush Lead, #8
8X-305	3	Screw, Brush Lead, Rd. hd., #8-32x1/4
		Armature Assembly & Parts Used With
GBM-110	1	Spacer, Armature Shaft
GBM-2084F	1	Armature Assy.
GAR-171	1	Snap Ring
GR-32	1	Retainer, Felt Washer
SP-596	1	Pulley, Drive
X-161	1	Nut, Armature Shaft, Hex., 1/2-20
X-264	1	Key, Woodruff, #9
X-541	1	Washer, Lock, Shaft, 1/2
		Drive End Head Assembly & Parts Used With
GCZ-1003	1	Head Assy., Drive End
GCZ-3	1	Head
GG-6	2	Retainer, Bearing
GG-164	1	Washer, Felt
GK-176	1	Retainer, Felt Washer
8X-173	3	Nut, Retainer Screw, Hex., #10-32
X-196	3	Washer, Lock, Retainer Screw, #10
X-295	1	Bearing, Ball, S.A.E. #203
8X-316	3	Screw, Retainer, Rd. hd., #10-32x3/4
X-489	1	Oiler, Hinge Top, Press in, 1/4
		Miscellaneous Parts
CB-4014	1	Relay Assy., Cutout
CB-123	1	Spring, Armature
CB-160S	1	Cover
PX-55	1	Screw, Arm. Term., Bdg. hd., #10-32x3/16
X-196	2	Washer, Lock, Term. Sc., #10
8X-312	1	Screw, Bat. Term., Rd. hd., #10-32x1/4
GAL-1024B	1	Band, Cover
X-196	2	Washer, Lock, Cutout Relay Mtg., #10
8X-308	1	Screw, Cover Band, Rd. hd., #10-32x1 3/8
8X-321	2	Screw, Mtg., Cutout Relay, Rd. hd., #10-32x5/16
8X-794	1	Nut, Cover Band, Square, #10-32

1 2 3 4 5

(Issued 3-14-44)

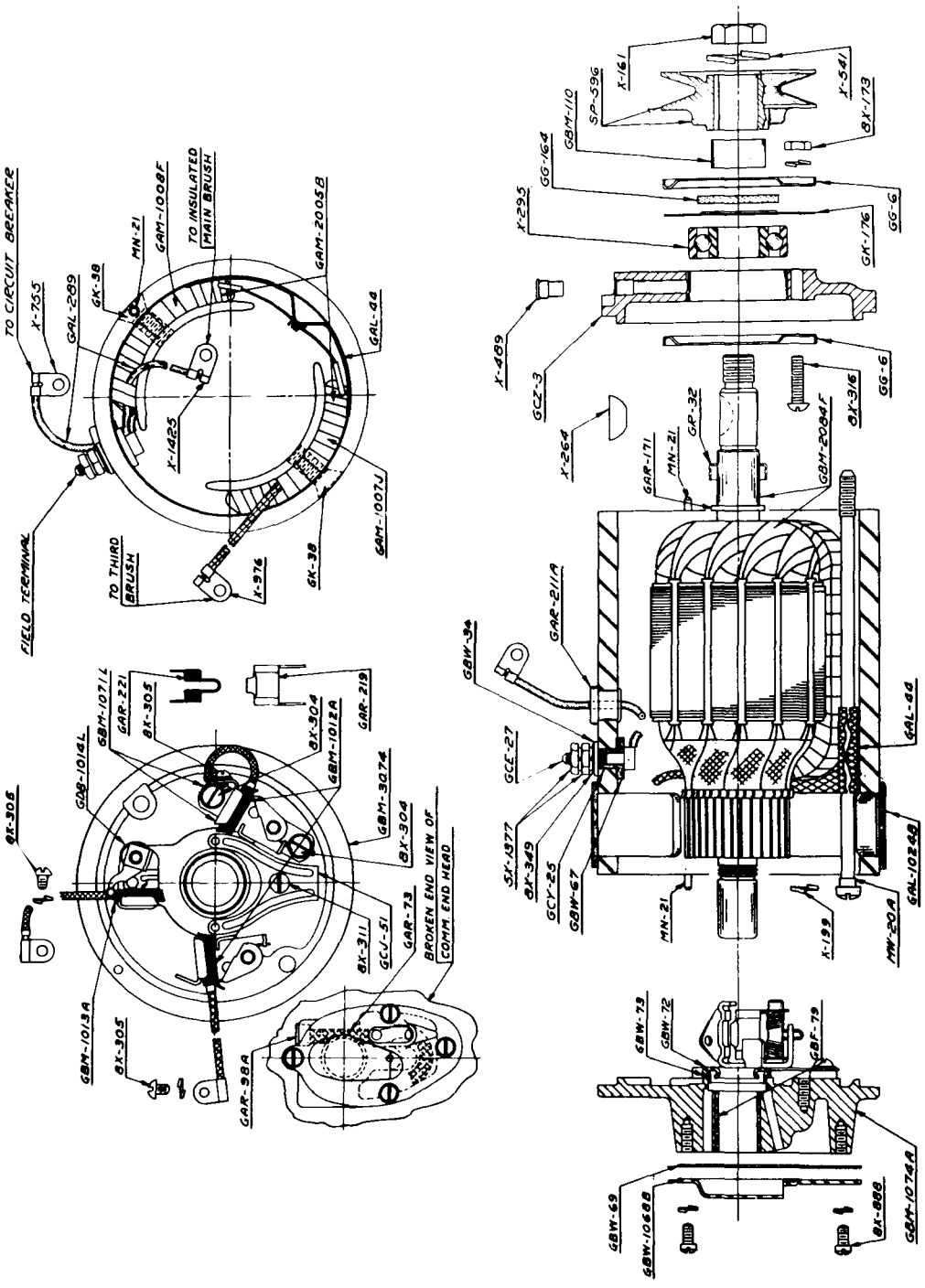
‡ Brush Set, Service, GBM-2012AS.

Printed in U. S. A.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

File in Equipment & Parts List Binder

GBM-4812A GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GBM-2079)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GAM-2005C	1	COIL ASSY., FIELD, COMPLETE
GAM-1007J	1	Coil Assy., Field, Left
X-976	1	Terminal
GAM-1008G	1	Coil Assy., Field, Right
GAL-289	1	Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-767	1	Terminal
GAR-211	1	Bushing, Insulating
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
MW-20A	2	Bolt, Thru
12X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

GBM-3074	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBM-1012A†	2	Brush, Main
GBM-1013A†	1	Brush, Third
GBM-1074A	1	Head Assy., Partial, C.E.
GAR-219	1	Arm, Brush
GAR-221	1	Spring, Brush
GBF-79	1	BEARING, ABSORBENT BRONZE
GBM-1071L	1	Holder Assy., Main Brush
GAR-219	1	Arm, Brush
GAR-221	1	Spring, Brush
12X-195	2	Lockwasher, Br. Holder Sc., #8
8X-304	2	Screw, Br. Holder, Rd. Hd. #8-32x5/16
GBW-69	1	Gasket, Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Retaining
GBW-1068	1	Cover, Comm. End
GCJ-51	1	Spring, Retaining, 3rd Brush Plate
GDB-1014L	1	Plate, 3rd Brush
12X-195	4	Lockwasher, Cover Sc., #8
8X-311	1	Screw, Spring, Rd. Hd. #10-32x3/8
8X-888	4	Screw, Cover, Fill. Hd. #8-32x5/16
12X-195	3	Lockwasher, Brush Lead Sc.,#8
8X-305	3	Screw, Brush Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GBM-2084F	1	ARMATURE ASSY.
GAR-171	1	Snap Ring
*	1	Spacer, Arm. Shaft
GR-32	1	Retainer, Felt Washer
*	1	Pulley, Drive
X-161	1	Nut, Arm. Shaft, Hex. 1/2-20
X-264	1	Key, Woodruff, #9
X-541	1	Lockwasher, Shaft, 1/2

Drive End Head Assy. & Parts Used With

GCZ-1003A	1	Head Assy., Drive End
GCZ-3A	1	Head
GG-6	2	Retainer, Bearing
GG-164	1	Washer, Felt
GK-176	1	Retainer, Felt Washer
8X-173	3	Nut, Retainer Sc., Hex. #10-32
X-196	3	Lockwasher, Retainer Sc., #10
X-295	1	BEARING, BALL, S.A.E. #203
8X-316	3	Screw, Retainer, Rd. Hd. #10-32x3/4
X-489	1	Oiler

Miscellaneous Parts

GAL-1024B	1	Band, Cover
TC-4327A	1	REGULATOR, TWO CHARGE
12X-196	4	Lockwasher, Regulator Mtg. Sc., #10
8X-321	4	Screw, Regulator Mtg., Rd. Hd. #10-32x5/16
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

Assembly No.	Spacer	Pulley
GBM-4813-5	GJ-104	None
GBM-4813A-5	GBM-110	SP-596

† BRUSH SET, SERVICE GBM-2012AS.

* See table following parts list for part numbers applying to assembly wanted.

UNIT	APPLICATION
GBM-4813-5,A-5	Allis Chalmers

(Issued 10-15-48)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GBM-2107)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Conn.
GAM1005J	1	COIL ASSY., FIELD, COMP.
GAM-1007E	1	Coil Assy., Field, Left
GAL-289	1	Lead Assy., C.B.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GAM-1008C	1	Coil Assy., Field, Right
X-767	1	Terminal
GAR-211	1	Bushing, Insulating
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
MW-20A	2	Bolt, Thru
X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

GBM-2075	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GAR-1014A	1	Plate, 3rd. Brush
GBM-1012A†	2	Brush, Main
GBM-1013A†	1	Brush, Third
GBM-1075A	1	Head Assy., Partial, Comm. End
GAR-219	1	Arm, Brush
GAR-221	1	Spring, Brush
GBF-79	1	BEARING, ABS. BRONZE
GBM-1071R	1	Holder Assy., Main Brush
GAR-219	1	Arm, Brush
GAR-221	1	Spring, Brush
X-195	2	Lockwasher, Brush Holder #8
8X-304	2	Screw, Brush Holder, Rd. Hd., #8-32x5/16
GBW-69	1	Gasket, Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Retaining
GBW-1068	1	Cover, Comm. End
GCJ-51	1	Spring, Retaining,3rd Brush Plate
12X-195	4	Lockwasher, C.E. Cover #8
8X-311	1	Screw, Retaining, Spring, Rd. Hd. #10-32x3/8
8X-888	4	Screw, C.E. Cover, Fil. Hd. #8-32x5/16
X-195	3	Lockwasher, Brush Lead, #8
8X-305	3	Screw, Brush Lead, Rd. Hd., #8-32x1/4

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GBM-21B	1	Nut, Armature Shaft
GBM-2065F	1	ARMATURE ASSY.
GAR-171	1	Snap Ring
GR-32	1	Retainer, Felt Washer
SP-1178A	1	Pulley, Drive
X-260	1	Key, Woodruff #5
X-864	1	Lockwasher, Arm. Shaft

Drive End Head Assembly & Parts Used With

GBJ-1003C	1	Head Assy., Drive End
GAR-63	2	Retainer, Felt Washer
GAR-64	2	Retainer, Bearing
GBJ -3C	1	Head
GG-164	2	Washer, Felt
8X-173	3	Nut, Retainer Sc. Hex., #10-32
X-196	3	Lockwasher, Retainer Sc. #10
X-295	1	BEARING, BALL, S.A.E. #203
X-489	1	Oiler, Press in Type, 1/4
8X-1003	3	Screw, Retainer, Rd. Hd. #10-32x7/8

Miscellaneous Parts

GAL-1024	1	Band, Cover
TC-4302A	1	REGULATOR, TWO CHARGE
X-196	4	Lockwasher, Regulator Mtg. #10
8X-321	4	Screw, Mtg. Regulator Rd. Hd. #10-32x5/16
8X-714	1	Screw, Cover Band, Rd. Hd., #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square, #10-32

† BRUSH SET, SERVICE, GBM-2012AS.

UNIT	APPLICATION
GBM-4814A-1	Fairmont

(Issued 8-24-48)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GBM-2108)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GAM-1005L	1	Coil Assy., Field, Comp.
GAM-1007E	1	Coil Assy., Field, Left
GAL-289	1	Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GAM-1008B	1	Coil, Field, Right
GCE-27	1	Stud, Field Terminal, #10-32
GAR-211	1	Bushing, Insulating
GBW-34	1	Washer, Ins., Term. Stud
GBW-67	1	Insulation, Term. Stud, Inner
GCY-25	1	Bushing, Ins., Term. Stud
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel, Head Locating
X-196	2	Washer, Lock, Term. Stud, #10
8X-349	1	Washer, Plain, Term. Stud, #10
8X-1377	2	Nut, Term. Stud, Hex., #10-32
MW-20A	2	Bolt, Thru
X-199	2	Washer, Lock, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

(GBM-2109)	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GAR-1014A	1	Plate, 3rd Brush
GBM-1012A‡	2	Brush, Main
GBM-1013A‡	1	Brush, Third
GBM-1109A	1	Head Assy., Partial, C.E.
GAR-219	1	Arm, Brush
GAR-221	1	Spring, Brush
GBF-79	1	Bearing, Absorbent Bronze
GBM-1071R	1	Holder Assy., Main Brush
GAR-219	1	Arm, Brush
GAR-221	1	Spring, Brush
X-195	2	Washer, Lock, #8
8X-304	2	Screw, Rd. Hd., #8-32x5/16
GBW-69	1	Gasket, C.E. Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GBW-1068B	1	Cover, Comm. End
GCJ-51	1	Spring, Retaining, 3rd Brush Plate
X-195	4	Washer, Lock, Cover Sc., #8
8X-311	1	Screw, Plate Retaining, Rd. Hd. #10-32x3/8

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
8X-888	4	Screw, Cover, Fill. Hd., #8-32x5/16
X-195	3	Washer, Lock, Brush Lead, #8
8X-305	3	Screw, Brush Lead, Rd. Hd., #8-32x1/4

Armature Assembly & Parts Used With

GBM-21	1	Nut, Armature Shaft
GBM-2065F	1	Armature Assy.
GAR-171	1	Snap Ring
GR-32	1	Retainer, Felt Washer
SP-495	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
X-864	1	Washer, Lock, Arm. Shaft, .669

Drive End Head Assembly & Parts Used With

GAM-1110	1	Head Assy., Drive End
GAM-34	1	Retainer, Felt Washer, Outer
GAM-110	1	Head
GAR-63	1	Retainer, Felt Washer, Inner
GAR-64	1	Retainer, Bearing
GG-164	2	Washer, Felt
X-196	3	Washer, Lock, Retainer Sc., #10
8X-311	3	Screw, Retainer, Rd. Hd., #10-32x3/8
X-441	1	Bearing, Ball, Shielded, S.A.E. #203
X-489	1	Oiler, Hinge Top, Press in, 1/4

Miscellaneous Parts

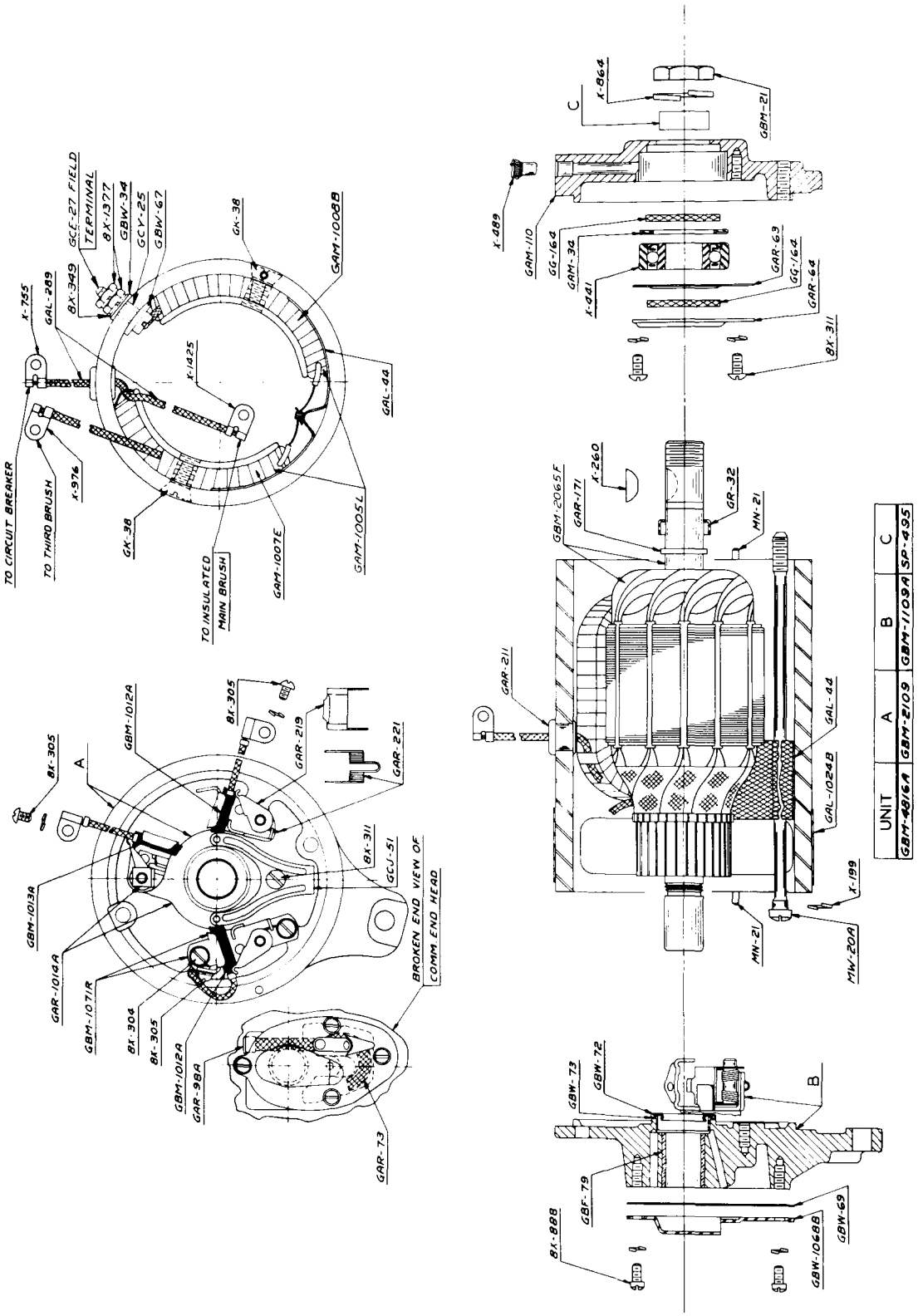
CB-4012A	1	Relay Assy., Cutout
CB-123	1	Spring, Armature
CB-160S	1	Cover
TC-128	1	Gasket, Cover
PX-55	1	Screw, Arm. Term., Bdg. Hd. #10-32x3/16
X-196	2	Washer, Lock, Term. Sc., #10
8X-312	1	Screw, Batt. Term., Rd. Hd., #10-32x1/4
GAL-1024B	1	Band, Cover
X-196	2	Washer, Lock, Cutout Relay Mtg., #10
8X-308	1	Screw, Cover Band, Rd. Hd. #10-32x1 3/8
8X-321	2	Screw, Mtg., Cutout Relay, Rd. Hd. #10-32x5/16
8X-794	1	Nut, Cover Band, Square, #10-32

‡ Brush Set, Service GBM-2012AS.

(Issued 3-14-44)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GBM-4816A GENERATOR ILLUSTRATION



UNIT	A	B	C
GBM-4816A	GBM-2109	GBM-11094	SP-495

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GAM-2095)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GAM-1005F	1	COIL ASSY., FIELD, COMPLETE
GAM-1007E	1	Coil Assy., Field, Left
GAL-289	1	Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GAM-1008	1	Coil Assy., Field, Right
X-959	1	Terminal
GAR-211	1	Bushing, Insulating
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
8X-140	1	Nut, Field Grd. Sc., Hex. #6-32
X-194	1	Lockwasher, Field Grd. Sc., #6
8X-1008	1	Screw, Field Grd., Rd. Hd. #6-32x9/16
GJ-20	2	Bolt, Thru
X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

GAR-2224S	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GAR-1014B	1	Plate Assy., 3rd Brush
GAR-219	1	Arm, Brush
GAR-221	1	Spring, Brush
GAR-1224A	1	Head Assy., Partial, C.E.
GAR-219	2	Arm, Brush
GAR-221	2	Spring, Brush
GBF-79	1	BEARING, ABSORBENT BRONZE
GBW-69	1	Gasket, Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Retaining
GBW-1068	1	Cover, Comm. End
GCJ-51	1	Spring, Retaining, 3rd. Brush Plate
12X-195	4	Lockwasher, Cover Sc., #8
8X-311	1	Screw, Spring, Rd. Hd. #10-32x3/8
8X-888	4	Screw, Cover, Fill. Hd. #8-32x5/16
GBM-2012AS	1	BRUSH SET, SERVICE
X-195	3	Lockwasher, Brush Lead Sc.,#8
8X-305	3	Screw, Brush Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
*	1	Nut, Armature Shaft
GBM-2006F	1	ARMATURE ASSY.
GAR-171	1	Snap Ring
GR-32	1	Retainer, Felt Washer
*	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
X-864	1	Lockwasher, Shaft

Drive End Head Assembly & Parts Used With

GBJ-1003C	1	Head Assy., Drive End
GAR-63	2	Retainer, Felt Washer
GAR-64	2	Retainer, Bearing
GBJ-3C	1	Head
GG-164	2	Washer, Felt
8X-173	3	Nut, Retainer Sc., Hex. #10-32
X-196	3	Lockwasher, Retainer Sc., #10
X-295	1	BEARING, BALL, S.A.E. #203
X-489	1	Oiler
8X-1003	3	Screw, Retainer, Rd. Hd. #10-32x7/8

Miscellaneous Parts

CB-4014	1	RELAY ASSY., CUTOUT
CB-123	1	Spring, Armature
CB-160S	1	Cover
PX-55	1	Screw, Arm. Term., Bdg. Hd. #10-32x3/16
12X-196	2	Lockwasher, Term. Sc., #10
8X-312	1	Screw, Bat. Term., Rd. Hd. #10-32x1/4
GAL-1024	1	Band, Cover
X-196	2	Lockwasher, Relay Mtg. Sc., #10
8X-321	2	Screw, Relay Mtg., Rd. Hd. #10-32x5/16
X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

* See table following parts list for part number applying to assembly wanted.

Assembly No.	Nut	Pulley
GBM-4818A-1	GBM-21B	SP-153
GBM-4818B-1	SP-357	SP-460

UNIT	APPLICATION
GBM-4818A-1	Hercules
GBM-4818B-1	Firebaugh

(Issued 10-15-48)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GBM-4819A GENERATOR PARTS LIST GBM-4819A

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GBM-2091)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Conn.
GAM-1005N	1	Coil Assy., Field, Comp.
GAM-1007G	1	Coil Assy., Field, Left
X-976	1	Terminal
GAM-1008B	1	Coil, Field, Right
GBM-113	1	Lead Assy., Arm. Term.
GCE-34	1	Stud, Arm. Term., #14-24
X-1611	1	Terminal
GBW-34	1	Washer, Ins., Field Term.
GBW-66	1	Insulation, Arm. Term., Inner
GBW-67	1	Insulation, Field Term., Inner
GCE-27	1	Stud, Field Term., #10-32
GCT-25	1	Bushing, Arm. Terminal
GCY-25	1	Bushing, Field Terminal
GK-38	2	Screw, Pole Shoe
IGB-138	1	Washer, Ins., Arm. Term.
MN-21	2	Pin, Dowel, Head Locating
MU-59	1	Pin, Dowel, Generator Aligning
5X-177	2	Nut, Arm. Term., Hex., #14-24
X-193	2	Washer, Lock, Arm. Term., #14
X-196	2	Washer, Lock, Field Term., #10
8X-349	1	Washer, Plain, Field Term., #10
8X-361	1	Washer, Plain, Arm. Term., 1/4
5X-1377	2	Nut, Field Term., Hex., #10-32
MW-20A	2	Bolt, Thru
X-199	2	Washer, Lock, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

(GBM-2002)	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GAR-1014A	1	Plate, 3rd Brush
GBM-1002A	1	Head Assy., Partial, C.E.
GAR-219	1	Arm, Brush
GAR-221	1	Spring, Brush
GBF-79	1	Bearing, Absorbent Bronze
GBM-1071R	1	Holder, Assy., Main Brush
GAR-219	1	Arm, Brush
GAR-221	1	Spring, Brush
X-195	2	Washer, Lock, Brush Holder, #8
8X-304	2	Screw, Holder Attaching, Rd. hd., #8-32x5/16
GBM-1012A†	2	Brush, Main
GBM-1013A†	1	Brush, Third
		1 2 3 4 5

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBW-69	1	Gasket, C.E. Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GBW-1068B	1	Cover, Comm. End
GCJ-51	1	Spring, Retaining, 3rd Brush Plate
X-195	4	Washer, Lock, Cover Sc., #8
8X-311	1	Screw, Plate Retaining, Rd. hd. #10-32x3/8
8X-888	4	Screw, Cover, Fil. hd., #8-32x5/16
X-195	3	Washer, Lock, Brush Lead, #8
8X-305	3	Screw, Brush Lead, Rd. hd., #8-32x1/4

Armature Assembly & Parts Used With

GBM-21	1	Nut, Armature Shaft
GBM-2116	1	Armature Assy.
GAR-171	1	Snap Ring
SP-716	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
X-864	1	Washer, Lock, Arm. Shaft, .669

Drive End Head Assembly & Parts Used With

GAM-1123	1	Head Assy., Drive End
GAM-119	1	Retainer, Bearing
GAM-123	1	Head, Drive End
X-196	3	Washer, Lock, Retainer Screw, #10
8X-1368	3	Screw, Retainer, Rd. hd., #10-32x7/16
X-1629	1	Bearing, Ball, Sealed, S.A.E. #203

Miscellaneous Parts

DG-107	1	Lead Assy., Field Term. To Reg.
X-755	2	Terminal
GBM-105	1	Lead Assy., Arm. Term. To Reg.
X-755	1	Terminal
X-1628	1	Terminal
GBM-1024	1	Band, Cover
TC-4327A	1	Regulator, Two Charge
X-196	4	Washer, Lock, Regulator Mtg., #10
8X-321	4	Screw, Mtg., Regulator, Rd. hd., #10-32x5/16
8X-715	1	Screw, Cover Band, Rd. hd., #10-32x1 1/4
8X-794	1	Nut, Cover Band, Square, #10-32
		1 2 3 4 5

(Issued 4-15-44)

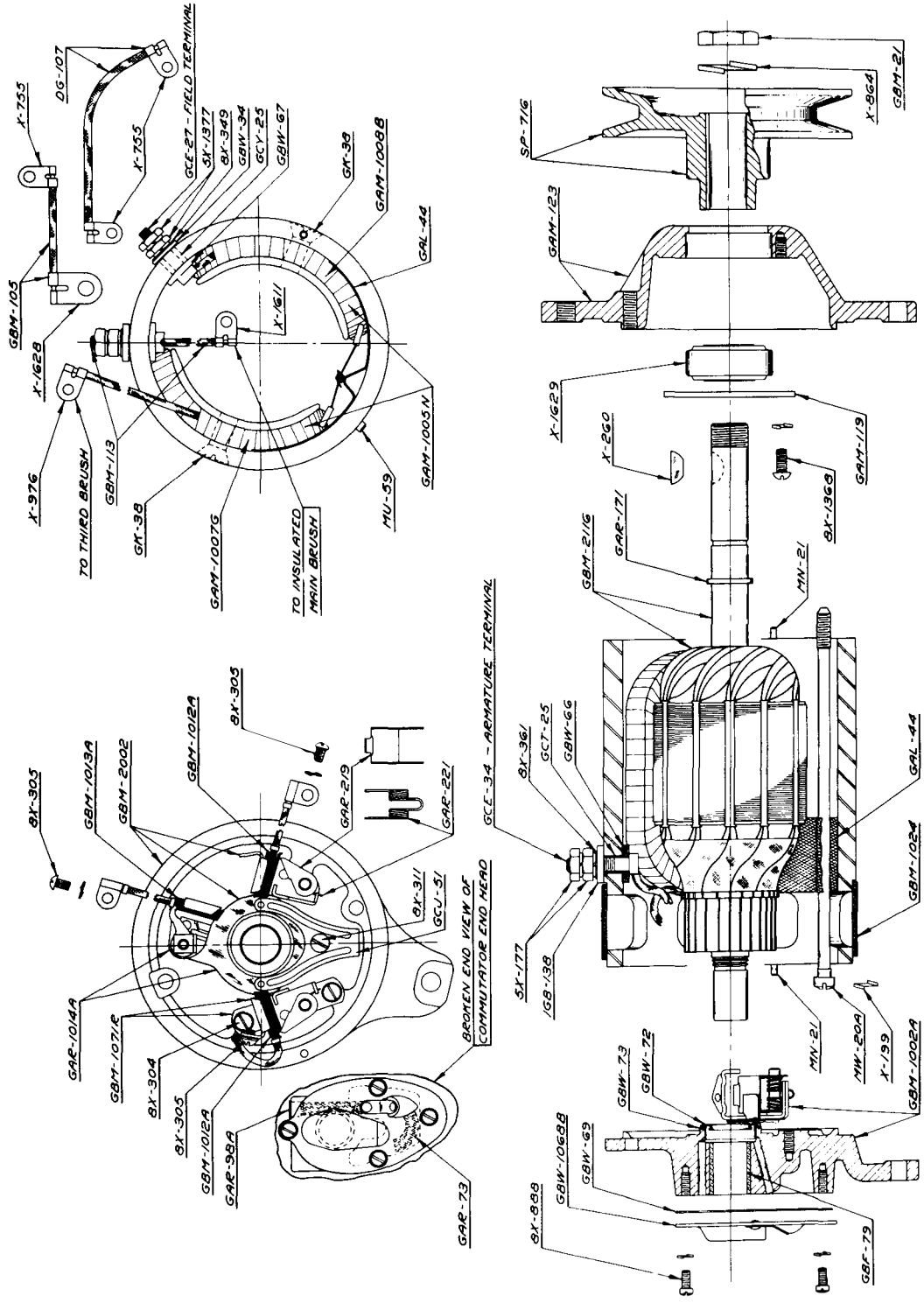
† Brush Set, Service, GBM-2012AS.

Printed in U. S. A.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

File in Equipment & Parts List Binder

GBM-4819A GENERATOR ILLUSTRATION



GBM-4821A-5 GENERATOR PARTS LIST **GBM-4821A-5**

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GBM-2121)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GAM-1005L	1	Coil Assy., Field, Complete
GAM-1007E	1	Coil Assy., Field, Left
GAL-289	1	Lead Assembly
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GAM-1008B	1	Coil, Field, Right
GCE-27	1	Stud, Term., #10-32
GAR-211	1	Bushing, Insulating
GBW-34	1	Washer, Ins., Term. Stud
GBW-67	1	Insulation, Term. Stud, Inner
GCY-25	1	Bushing, Ins., Term. Stud
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
X-196	2	Lockwasher, Term. Stud, #10
8X-349	1	Washer, Plain, Term. Stud, #10
8X-1377	2	Nut, Term. Stud, #10-32
MW-20A	2	Bolt, Thru
12X-199	2	Washer, Lock, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

GBM-2002S	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GAR-1014A	1	Plate, 3rd, Brush
GBM-1002A	1	Head Assy., Partial, C.E.
GAR-219	1	Arm, Brush
GAR-221	1	Spring, Brush
GBF-79	1	Bearing, Abs. Bronze
GBM-1071R	1	Holder Assy., Main Brush
GAR-219	1	Arm, Brush
GAR-221	1	Spring, Brush
X-195	2	Lockwasher, Brush Holder Sc., #8
8X-304	2	Screw, Br. Holder, Rd. Hd. #8-32x5/16
GBW-69	1	Gasket, C.E. Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GBW-1068	1	Cover, Comm. End
GCJ-51	1	Spring, Retaining, 3rd Brush Plate
X-195	4	Lockwasher, Cover Sc., #8
8X-311	1	Screw, Spring, Rd. Hd. #10-32x3/8
8X-888	4	Screw, Cover, Fill. Hd. #8-32x5/16
GBM-2012AS	1	Brush Set, Service
X-195	3	Lockwasher, Br. Lead Sc. #8
8X-305	3	Screw, Br. Lead, Rd. Hd. #8-32x1/4

Armature assembly & Parts Used With

Part No.	No. Used	Name of Part
GBM-21B	1	Nut, Armature Shaft
GBM-2065F	1	Armature Assy.
GAR-171	1	Snap Ring
GR-32	1	Retainer, Felt Washer
SP-774	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
12X-864	1	Lockwasher, Arm. Shaft

Drive End Head Assy. & Parts Used With

GAM-1110S	1	Head Assy., Drive End
GAM-34	1	Retainer, Felt Washer, Outer
GAM-110S	1	Head
GAR-63	1	Retainer, Felt Washer, Inner
GAR-64	1	Retainer, Bearing
GG-164	2	Washer, Felt
X-196	3	Lockwasher, Retainer Screw, #10
8X-311	3	Screw, Retainer, Rd. Hd. #10-32x3/8
X-441	1	Bearing, Ball, Shielded, S.A.E. #203
X-489	1	Oiler

Miscellaneous Parts

CB-4014	1	Relay Assy., Cut-Out
CB-123	1	Spring, Armature
EB-160S	1	Cover
PX-55	1	Screw, Arm. Term., Bdg. Hd., #10-32x3/16
X-196	2	Lockwasher, Term. Screw, #10
8X-312	1	Screw, Bat. Term., Rd. Hd. #10-32x1/4
GAL-1024F	1	Band, Cover
X-196	2	Lockwasher, Relay Mtg. Sc. #10
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-321	2	Screw, Relay Mtg., Rd. Hd. #10-32x5/16
8X-794	1	Nut, Cover Band, Square #10-32

UNIT	APPLICATION
GBM-4821A-5	Massey Harris

(Issued 10-15-48)

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GBM-2123)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GAM-1005J	1	COIL ASSY., FIELD, COMPLETE
GAM-1007E	1	Coil Assy., Field, Left
GAL-289	1	Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GAM-1008C	1	Coil Assy., Field, Right
X-767	1	Terminal
GFE-37	2	Bushing, Insulating
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
MW-20A	2	Bolt, Thru
12X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

GBM-2002C	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GAR-1014A	1	Plate, 3rd Brush
GBM-1002E	1	Head Assy., Partial, Comm. End
GAR-219	1	Arm, Brush
GAR-221	1	Spring, Brush
GBF-79	1	BEARING, ABS. BRONZE
GBM-1071R	1	Holder Assy., Main Brush
GAR-219	1	Arm, Brush
GAR-221	1	Spring, Brush
12X-195	2	Lockwasher, Br. Holder Sc., #8
8X-304	2	Screw, Brush Holder, Rd. Hd. #8-32x5/16
GBM-1012A†	2	Brush, Main
GBM-1013A†	1	Brush, Third
GBW-30E	1	Cover, Comm. End
GBW-69	1	Gasket, Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Retaining
GCJ-51	1	Spring, Retaining, 3rd Brush Plate
12X-195	4	Lockwasher, Cover Sc., #8
8X-311	1	Screw, Spring, Rd. Hd. #10-32x3/8
8X-888	4	Screw, C.E. Cover, Fill. Hd. #8-32x5/16
X-2961	1	Oiler
12X-195	3	Lockwasher, Brush Lead Sc.,#8
8X-305	3	Screw, Brush Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GBM-21B	1	Nut, Arm. Shaft
GBM-2065F	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
*	1	Spacer, Armature Shaft
GR-32	1	Retainer, Felt Washer
*	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
12X-864	1	Lockwasher, Shaft

Drive End Head Assembly & Parts Used With

GAM-1101D	1	Head Assy., Drive End
GAM-34	1	Retainer, Felt Washer
GAM-101	1	Head
GAR-63	1	Retainer, Felt Washer, Inner
GAR-64	1	Retainer, Bearing
GG-164	2	Washer, Felt
GDJ-118	1	Wick, Felt
12X-196	3	Lockwasher, Retainer Sc., #10
8X-311	3	Screw, Retainer, Rd. Hd. #10-32x3/8
X-441	1	BEARING, BALL, SHIELDED, S.A.E. #203
X-489	1	Oiler

Miscellaneous Parts

GAL-1024F	1	Band, Cover
*	1	REGULATOR, TWO CHARGE
12X-196	4	Lockwasher, Regulator Mtg. Sc., #10
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-321	4	Screw, Regulator Mtg., Rd. Hd. #10-32x5/16
8X-794	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GBM-2012AS.

* See table following parts list for part number applying to assembly wanted.

Assembly No.	Spacer	Pulley Drive	Regulator
GBM-4822A-5	None	SP-1344	TC-4327E
GBM-4822BN-5	GDZ-91	SP-898	TC-4327F

UNIT	APPLICATION
GBM-4822A-5	Hercules, Cockshutt
GBM-4822BN-5	Hercules

(Issued 10-15-48)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GBM-2001A)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GAM-1005L	1	COIL ASSY., FIELD, COMPLETE
GAM-1007E	1	Coil Assy., Field, Left
GAL-289	1	Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GAM-1008B	1	Coil, Field, Right
GCE-27	1	Stud, Terminal, #10-32
GBF-55	1	Washer, Ins., Term. Stud, Outer
GBW-67	1	Insulation, Square,Term. Stud, Inner
GCY-25	1	Bushing, Ins., Term. Stud
GFE-37	1	Bushing, Lead Insulating
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
12X-196	2	Lockwasher, Term. Stud, #10
8X-349	1	Washer, Plain, Term. Stud, #10
8X-1377	2	Nut, Term. Stud, Hex. #10-32
MW-20A	2	Bolt, Thru
12X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

GGR-2002	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GAR-1014A	1	Plate, 3rd Brush
GBM-126	1	Packing
GBM-1012A†	2	Brush, Main
GBM-1013 †	1	Brush, Third
GBW-30E	1	Cover, Comm. End
GBW-69	1	Gasket, Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Retaining
GCJ-51	1	Spring, Retaining, 3rd Brush Plate
GGR-1002A	1	Head Assy., Partial, C.E.
GAR-219	1	Arm, Brush
GAR-221	1	Spring, Brush
GBF-79	1	BEARING, ABS. BRONZE
GBM-1071R	1	Holder Assy., Main Brush
GAR-219	1	Arm, Brush
GAR-221	1	Spring, Brush
12X-195	2	Lockwasher, Brush Holder Sc., #8
8X-304	2	Screw, Br. Holder,Rd. Hd. #8-32x5/16
12X-195	4	Lockwasher Cover Sc., #8

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
8X-311	1	Screw, Plate Retaining, Rd. Hd. #10-32x3/8
8X-888	4	Screw, C.E. Cover, Fill. Hd. #8-32x5/16
X-2961	1	Oiler
12X-195	3	Lockwasher, Brush Lead Sc., #8
8X-305	3	Screw, Brush Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm. Shaft
GBM-2065F	1	ARMATURE ASSY.
GAR-171	1	Snap Ring
GR-32	1	Retainer, Felt Washer
SP-383A	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
12X-864	1	Lockwasher, Shaft

Drive End Head Assembly & Parts Used With

GGR-1003	1	Head Assy., Drive End
GBM-124	1	Gasket, Bearing Retainer
GBM-125	1	Retainer, Felt Washer, Inner
GBM-127	1	Retainer, Bearing
GBM-128	1	Retainer, Felt Washer, Outer
GG-164A	2	Washer, Felt
GGR-3	1	Head
12X-196	3	Lockwasher, Retainer Sc., #10
8X-311	3	Screw, Retainer, Rd. Hd. #10-32x3/8
X-441	1	BEARING, BALL, S.A.E. #203
X-2961	1	Oiler

Miscellaneous Parts

CB-4012A	1	RELAY ASSY., CUTOUT
CB-123	1	Spring, Armature
CB-160S	1	Cover
TC-128	1	Gasket, Cover
PX-55	1	Screw, Arm. Term., Bdg. Hd. #10-32x3/16
12X-196	2	Lockwasher, Term. Sc., #10
8X-312	1	Screw, Bat. Term., Rd. Hd. #10-32x1/4
GAL-1024F	1	Band, Cover
12X-196	2	Lockwasher, Relay Mtg. Sc., #10
8X-321	2	Screw, Relay Mtg., Rd. Hd. #10-32x5/16
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GBM-2012CS.

UNIT	APPLICATION
GBM-4823A-5	J.I. Case

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GBM-2123)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GAM-1005J	1	COIL ASSY., FIELD, COMPLETE
GAM-1007E	1	Coil Assy., Field, Left
GAL-289	1	Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GAM-1008C	1	Coil Assy., Field, Right
X-767	1	Terminal
GFE-37	2	Bushing, Insulating
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
GJ-20A	2	Bolt, Thru
12X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

GBM-2129	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GAR-1014L	1	Plate Assy., 3rd Brush
GAR-219	1	Arm, Brush
GAR-221	1	Spring, Brush
GBM-126	1	Packing
GBM-1012A †	2	Brush, Main
GBM-1013A†	1	Brush, Third
GBM-1129A	1	Head Assy., Partial, C.E.
GAR-219	2	Arm, Brush
GAR-221	2	Spring, Brush
GBF-79	1	BEARING, ABS. BRONZE
GBW-30E	1	Cover, Comm. End
GBW-69	1	Gasket, Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Retaining
GCJ-51	1	Spring, Retaining, 3rd Brush Plate
12X-195	4	Lockwasher, Cover Sc., #8
8X-311	1	Screw, Retaining Spring, Rd. Hd. #10-32x3/8
8X-888	4	Screw, C.E. Cover, Fill. Hd. #8-32x5/16
X-2961	1	Oiler
12X-195	3	Lockwasher, Brush Lead Sc., #8
8X-305	3	Screw, Brush Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GAR-1177	1	Oil Thrower
GBM-2117	1	ARMATURE
8X-156	1	Nut, Shaft, D.E., Castellated 1/2-20
X-263	1	Key, Woodruff, D.E., #8
8X-358	1	Washer, Shaft, D.E., Plain 1/2
X-404	1	Pin, Cotter 3/32x1

Drive End Head Assembly & Parts Used With

GAR-1096A	1	Head Assy., Drive End
GAR-95	1	Washer, Felt
GAR-96A	1	Head, Drive End
GX-9	1	Retainer, Bearing
GX-10	1	Gasket, Brg. Retainer
X-196	3	Lockwasher, Retainer Sc., #10
8X-311	3	Screw, Brg. Retainer, Rd. Hd. #10-32x3/8
X-378	1	BEARING, BALL, SHIELDED, S.A.E. #204

Miscellaneous Parts

GAL-1024F	1	Band, Cover
TC-4327E	1	REGULATOR, TWO CHARGE
8X-321	4	Screw, Reg. Mtg., Rd. Hd. #10-32x5/16
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x 1 1/2
8X-794	1	Nut, Cover Band, Square #10-32
X-1270	4	Washer, Reg. Mtg. Sc., Skpf. #10

† BRUSH SET, SERVICE GBM-2012AS.

UNIT	APPLICATION
GBM-4824-5	J. I. Case

(Issued 6-24-49)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GBM-2091)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GAM-1005N	1	Coil Assy., Field, Comp.
GAM-1007G	1	Coil Assy., Field, Left
X-976	1	Terminal
GAM-1008B	1	Coil, Field, Right
GBM-113	1	Lead Assy., Arm. Term.
GCE-34	1	Stud, Arm. Term., #14-24
X-1611	1	Terminal
GBW-34	1	Washer, Ins., Field Term.
GBW-66	1	Insulation, Arm. Term., Inner
GBW-67	1	Insulation, Field Term., Inner
GCE-27	1	Stud, Field Term., #10-32
GCT-25	1	Bushing, Arm. Terminal
GCY-25	1	Bushing, Field Terminal
GK-38	2	Screw, Pole Shoe
IGB-138	1	Washer, Ins., Arm. Term.
MN-21	2	Pin, Dowel, Head Locating
MU-59	1	Pin, Dowel, Gen. Aligning
5X-177	2	Nut, Arm. Term., Hex., #14-24
X-193	2	Washer, Lock, Arm. Term., #14
X-196	2	Washer, Lock, Field Term., #10
8X-349	1	Washer, Plain, Field Term., #10
8X-361	1	Washer, Plain, Arm. Term., 1/4
5X-1377	2	Nut, Field Term., Hex., #10-32
MW-20A	2	Bolt, Thru
X-199	2	Washer, Lock, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

(GBM-2092)	1	Head Assy., Comm. End
GAR-1014A	1	Plate, 3rd Brush
GBM-98	1	Washer, Spring, Plate Retaining
GBM-1012A‡	2	Brush, Main
GBM-1013A‡	1	Brush, Third
GBM-1092	1	Head Assy., Partial, C.E.
GBM-92	1	Head
GBM-99	1	Gasket, Bearing Retainer
GBM-100	1	Bearing, Absorbent Bronze
GBM-101	1	Retainer, Bearing
GBM-102	1	Washer, Felt
X-537	4	Washer, Lock, Retainer Screw, #10
8X-902	4	Screw, Retainer, Fil. hd., #10-32x3/8
GBM-1093	1	Plate Assy., Main Brush
GAR-219	2	Arm, Brush
GAR-221	2	Spring, Brush

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
X-195	3	Washer, Lock, Plate Sc., #8
8X-1349	3	Screw, Plate Attaching, Fil. hd., #8-32x3/8
X-195	3	Washer, Lock, Brush Lead, #8
8X-305	3	Screw, Brush Lead, Rd. hd., #8-32x1/4

Armature Assembly & Parts Used With

GBM-21	1	Nut, Armature Shaft
GBM-2106	1	Armature Assy.
GAR-171	1	Snap Ring
SP-1468	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
X-864	1	Washer, Lock, Arm. Shaft, .669

Drive End Head Assembly & Parts Used With

GAM-1118	1	Head Assy., Drive End
GAM-118	1	Head
GAM-119	1	Retainer, Bearing
X-196	3	Washer, Lock, Retainer Sc., #10
8X-1368	3	Screw, Retainer, Rd. hd., #10-32x7/16
X-1629	1	Bearing, Ball, Sealed, S.A.E. #203

Miscellaneous Parts

DG-107	1	Lead Assy., Field Term. to Reg.
X-755	2	Terminal
GBM-105	1	Lead Assy., Arm. Term. to Reg.
X-755	1	Terminal
X-1628	1	Terminal
GBM-1024	1	Band, Cover
TC-4327A	1	Regulator
X-196	4	Washer, Lock, Regulator Mtg., #10
8X-321	4	Screw, Mtg., Regulator, Rd. hd., #10-32x5/16
8X-715	1	Screw, Cover Band, Rd. hd., #10-32x1 1/4
8X-794	1	Nut, Cover Band, Square, #10-32

1 2 3 4 5

(Issued 3-14-44)

‡ Brush Set, Service, GBM-2012AS.

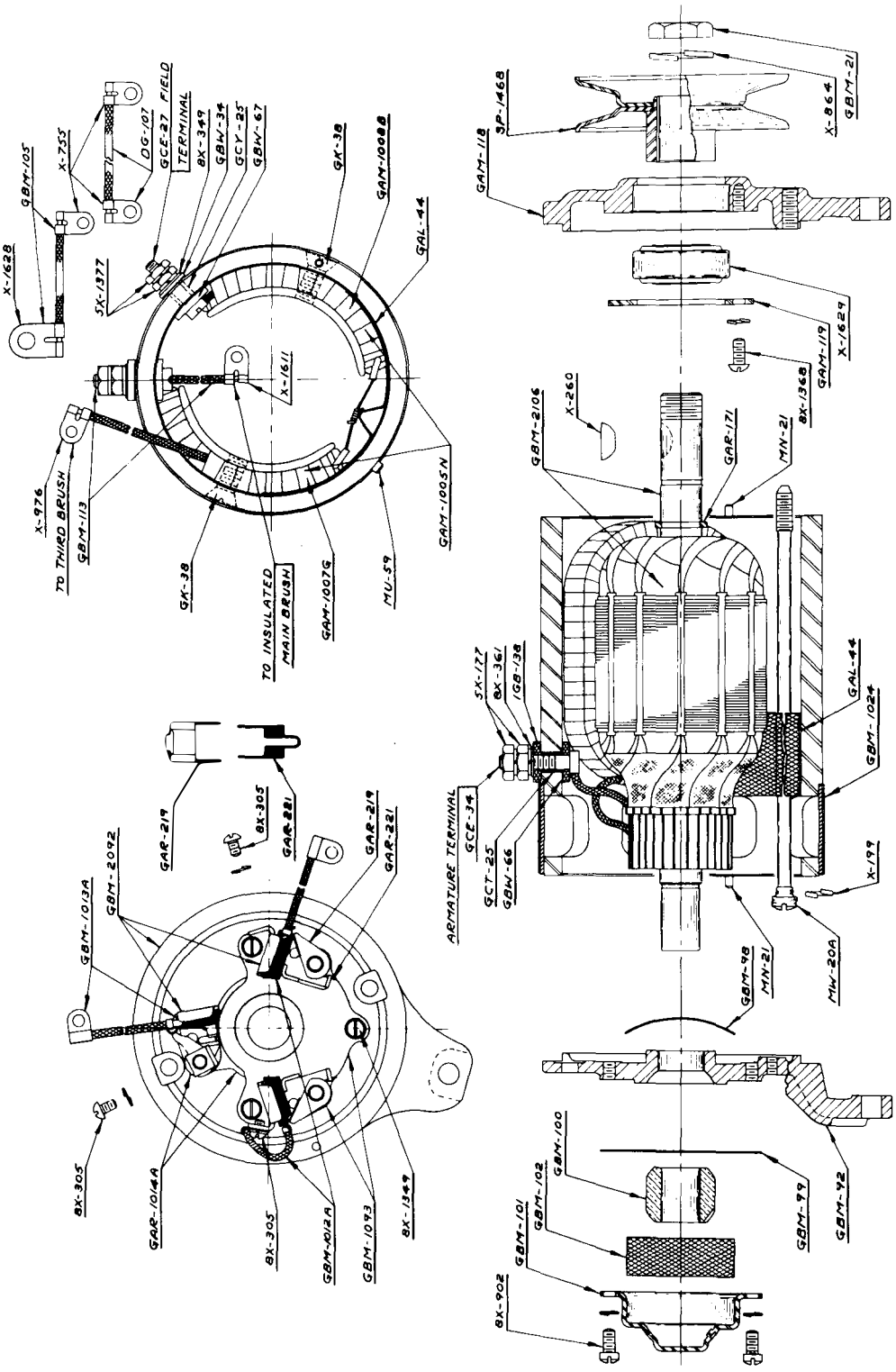
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1 2 3 4 5

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

File in Equipment & Parts List Binder

GBM-4901A GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DG-130	2	Frame Screw
(GBB-2110)	1	Frame & Field Assy.
DD-13	4	Pole Piece
DG-42	1	Insulating Bushing
GBB-1005B	1	Field Coil Assy. - Comp.
GBB-1007E	1	Field Coil Assy. - U.R.
DG-65	1	C.B. Lead Assy.
X-755	1	Terminal
GBB-1008	1	Field Coil - L.L.
GBB-1009	1	Field Coil - L.R.
GBB-1010	1	Field Coil Assy. - U.L.
X-767	1	Terminal
GBC-45	1	Field Connection Ins.
GBC-46	2	Field Connection Ins.
MN-21	2	Dowel Pin
SB-8	8	Pole Piece Screw
X-755	2	Terminal
8X-159	2	38-24 Hex. Nut
X-201	2	3/8 Lock Washer

Comm. End Plate Assembly & Parts Used With

DA-22	1	Bearing Retaining Washer
DA-60	1	Bearing Retaining Screw
DB-17	1	Felt Guard
DD-24C	1	End Cap Cover
DD-44	1	End Cap Cover Gasket
DG-75	1	Bearing Spacer
(DG-2125A)	1	Comm. End Plate Assy.
DE-85	2	Steel Washer
DG-125	1	Comm. End Plate
DK-41	2	Brush Holder Plate Screw
DK-42	2	Spring
GBB-1012‡	2	Brush - Main
GBB-1013‡	1	Brush - Third
GBB-1018	1	3rd Brush Holder Plate Assembly
DJ-18	1	Brush Holder
DJ-19	1	Brush Spring
GBB-1018S	1	Br. Holder Plate Part Assembly
8X-54	1	#8-32x1/2 Rd. Hd. Sc.
X-195	1	#8 Lock Washer
GBB-2073	1	Brush Holder Plate Assy.
DJ-18	2	Brush Holder
DJ-19	2	Brush Spring
GBB-2073S	1	Br. Holder Plate Part Assembly
8X-56	1	#8-32x7/16 Rd. Hd. Sc.
X-195	2	#8 Lock Washer
8X-304	1	#8-32x5/16 Rd. Hd. Sc.
X-196	1	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Screw
GBC-53	1	Felt Washer
GBC-54	1	Felt Guard
X-196	5	#10 Lock Washer
X-199	1	1/4 Lock Washer
8X-312	2	#10-32x1/4 Rd. Hd. Screw
X-365	1	Ball Brg. - S.A.E. #303
X-489	1	1/4 Oiler - Press in Type
8X-870	3	#10-32x5/16 Fill. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DG-73	1	Armature Shaft Sleeve
DG-2129	1	Armature Assembly

Drive End Head Assembly & Parts Used With

DG-1076	1	Drive End Head Assy.
DG-72	2	Felt Guard - with Oil Well
DG-74	2	Bearing Retainer
DG-76	1	D.E. Head
G-118	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-300A	1	Ball Brg. - S.A.E. #205
8X-306	3	#10-32x1 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

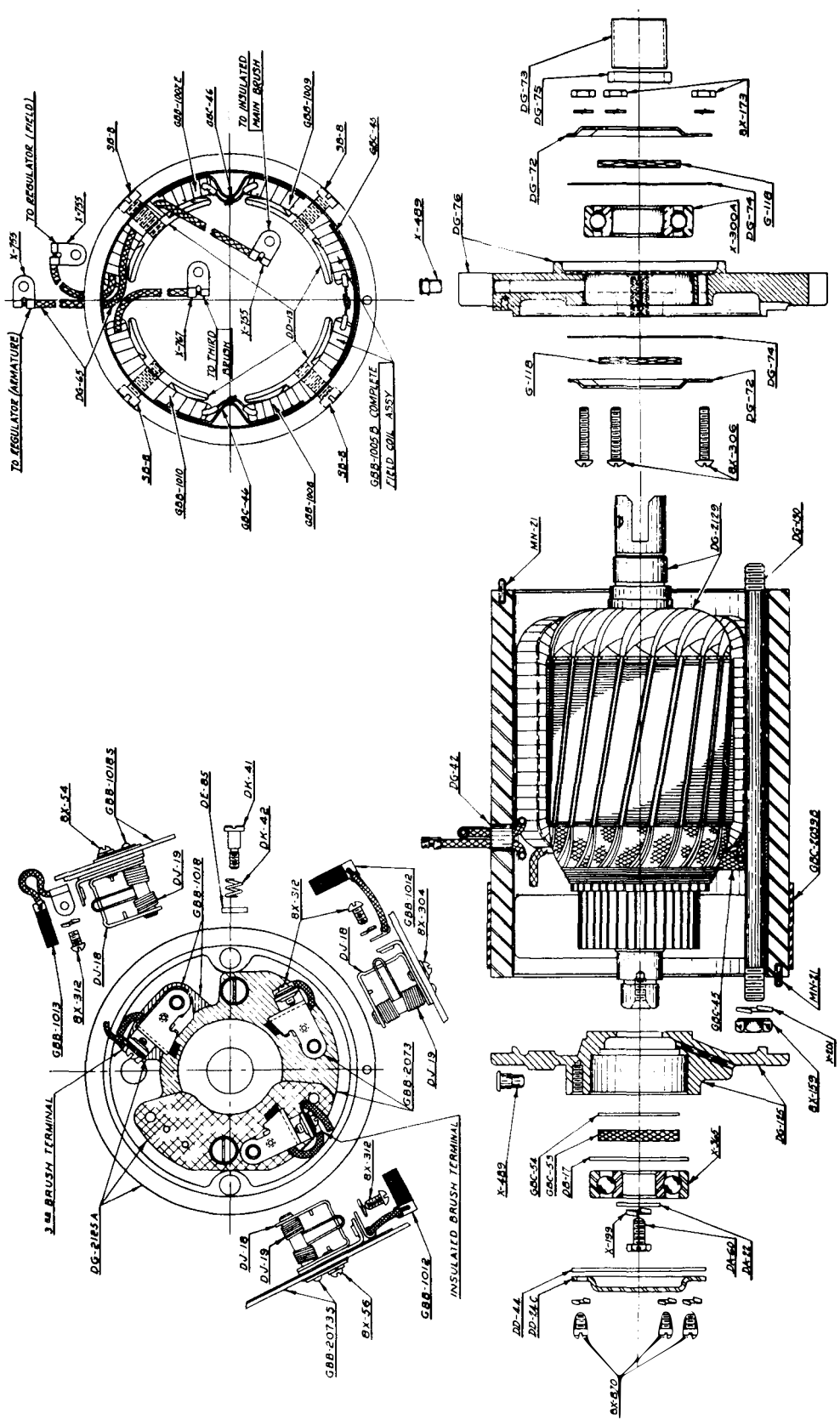
GBC-2039B	1	Head Band Assembly
TC-4310A	1	Two Charge Regulator
8X-118	1	#10-32x3/4 Fill. Hd. Screw
X-196	4	#10 Lock Washer
8X-321	4	#10-32x5/16 Rd. Hd. Screw
		1 2 3 4 5

(Issued 11-18-36)

‡ Service Brush Set GBB-2012A.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GBO-4301 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAL-225	1	Fuse Cover
(GBR-2215)	1	Frame & Field Assembly
GAL-44	1	Field Connection Ins.
GAL-1224	1	Fuse Holder
GAR-29	2	Pole Piece
GAR-211	1	Insulating Bushing
GBR-1005D	1	Field Coil Assy. - Comp.
GBR-1007D	1	Field Coil Assy. - Left
GAL-292	1	C.B. Lead Assy.
X-755	1	Terminal
X-947	1	Terminal
X-946	1	Terminal
GBR-1008C	1	Field Coil Assy. - Right
X-976	1	Terminal
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-59	1	#8-32x3/16 Rd. Hd. Screw
X-195	1	#8 Lock Washer
MW-20	2	Frame Screw
X-199	4	1/4 Lock Washer
X-842	1	Fuse - 5 Ampere
8X-877	2	1/4-20x5/16 Fill. Hd. Screw

Comm. End Plate Assembly & Parts Used With

DA-39	3	Flat Oil Guard
DA-70	1	Armature Shaft Nut
GAG-116	1	Dowel Pin Screw - #10-32
(GAR-2206B)	1	Comm. End Plate Assembly
GAL-12‡	2	Brush - Main
GAL-199	2	Brush Screw Block
GAL-204	1	Ground Connector Assy.
X-958	2	Terminal
GAL-205	2	3rd Brush Plate Retain'g Spring
GAL-242	2	Brush Holder
GAL-243	2	Brush Spring
GAL-1206B	1	C.E. Plate Part Assy.
GAR-2187A	1	3rd Brush Plate Assy.
GAL-13‡	1	Brush - Third
GAL-199	1	Brush Screw Block
GAL-242	1	Brush Holder
GAL-243	1	Brush Spring
GAR-1187A	1	3rd Br. Holder Plate Part Assembly
8X-47	1	#8-32x9/16 Rd. Hd. Sc.
8X-59	1	#8-32x3/16 Rd. Hd. Sc.
X-195	1	#8 Lock Washer
X-1276	1	#8 Skpf. Washer
8X-47	2	#8-32x9/16 Rd. Hd. Screw
8X-59	2	#8-32x3/16 Rd. Hd. Screw
8X-63	2	#8-32x3/8 Flat Hd. Screw
X-195	4	#8 Lock Washer
8X-304	1	#8-32x5/16 Rd. Hd. Screw
X-1276	1	#8 Skpf. Washer
GR-32	1	Felt Washer Retainer
GR-35	1	Felt Washer
GR-73	1	Felt Washer
X-295	1	Ball Brg. - S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAG-1150	1	Oil Guard
GAR-2335	1	Armature Assembly
GAR-171	1	Snap Ring
GK-174	1	1/2 Plain Washer
X-263	1	#8 Woodruff Key
X-1150	1	1/2-20 Castellated Nut

Drive End Head Assembly & Parts Used With

GAR-1216	1	Drive End Head Assy.
GAR-95	1	Felt Washer
GAR-216	1	Drive End Head
GX-9	1	Bearing Retainer
GX-10	1	Gasket
X-196	3	#10 Lock Washer
8X-311	3	#10-32x3/8 Rd. Hd. Screw
X-378	1	Ball Brg. - Oil Seal - S.A.E. #204

Dist. Mounting Housing & Parts Used With

GAG-58	1	Dist. Mtg. Housing Clamp
GAG-115	1	Dist. Mounting Housing
GE-21	1	Dist. Gear - Driver
GG-133	1	Dist. Drive Rivet
GW-19	1	Bearing Cover
8X-53	1	#8-32x5/8 Rd. Hd. Screw
8X-119	2	#10-32x1/2 Fill. Hd. Screw
8X-141	1	#8-32 Hex. Nut
X-380	1	1/8 Grease Cup
X-489	1	1/4 Oiler - Press in Type
X-544	2	#10 Lock Washer

Miscellaneous Parts

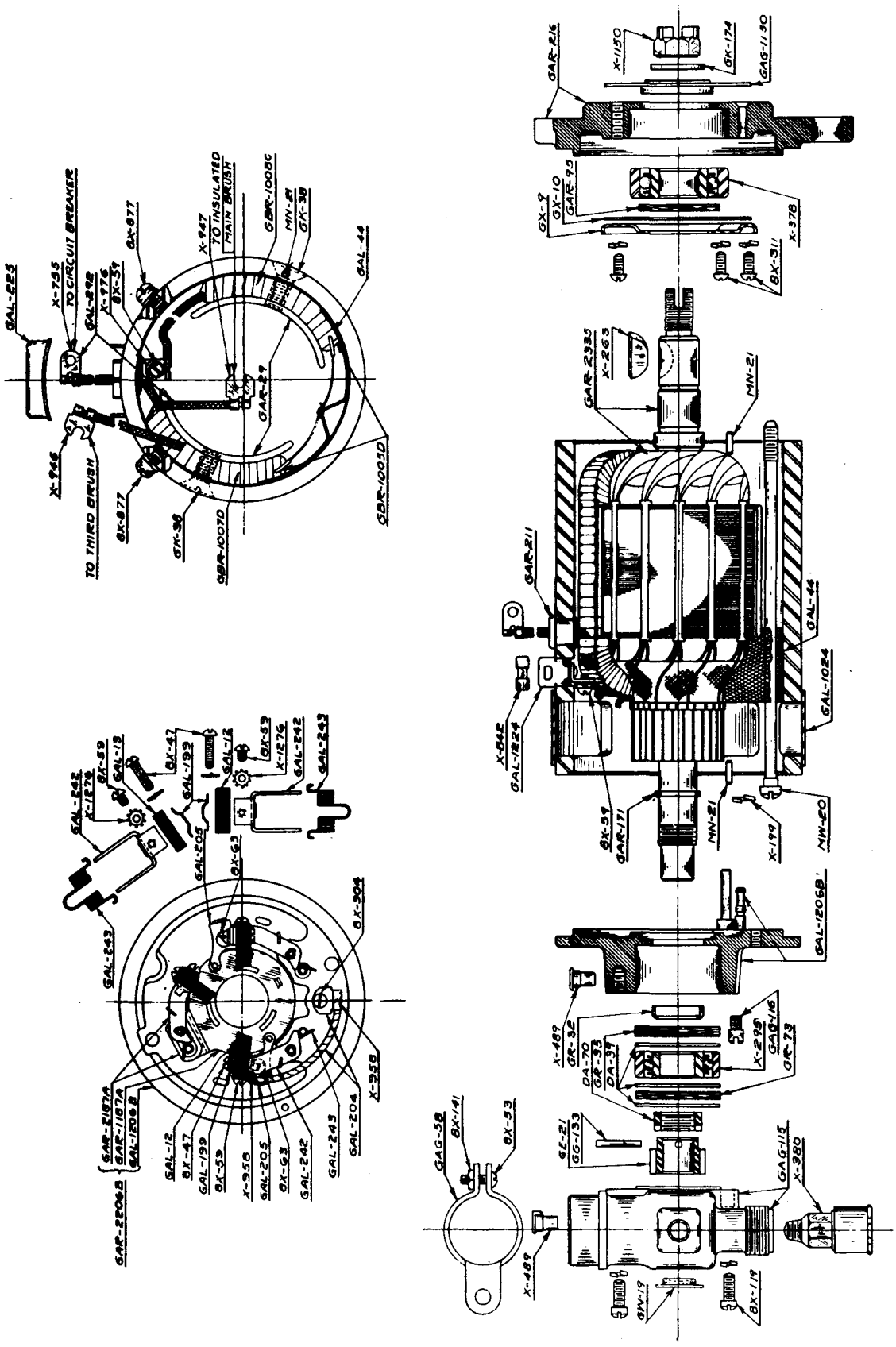
CB-4014	1	Circuit Breaker Assy.
CB-123	1	Armature Spring
CB-160	1	C.B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Screw
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Screw
GAL-1024	1	Head Band Assembly
X-196	2	#10 Lock Washer
8X-321	2	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 1-18-37)

‡ Service Brush Set GAL-2012.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GBR-4501 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAL-225	1	Fuse Cover
(GBR-3225)	1	Frame & Field Assy.
GAL-44	1	Field Connection Ins.
GAL-1224	1	Fuse Holder
GAR-29	2	Pole Piece
GAR-211	1	Ins. Bushing
GBR-2005	1	Field Coil Assy.-Comp.
GBR-1008C	1	Field Coil Assy.-Right
X-976	1	Terminal
GBR-2007	1	Field Coil Assy.-Left
GAL-76	1	C.B. Lead Assy.
X-755	1	Terminal
X-947	1	Terminal-Spade Type L.H.
X-946	1	Terminal
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-59	1	#8-32x3/16 Rd. Hd. Sc.
X-195	1	#8 Lock Washer
MW-20	2	Frame Screw
X-199	4	1/4 Lock Washer
X-842	1	Fuse - 5 Amp.
8X-877	2	1/4-20x5/16 Fill. Hd. Sc.

Comm. End Plate Assembly & Parts Used With

DA-39	3	Flat Oil Guard
DA-70	1	Armature Shaft Nut
GAG-116	1	Dowel Pin Screw - #10-32
(GAR-3235)	1	Comm. End Plate Assy.
GAL-12‡	2	Brush - Main
GAL-199	2	Brush Screw Block
GAL-204	1	Ground Connector Assy.
X-958	2	Terminal
GAL-205	2	3rd Brush Plate Retaining Spring
GAL-242	2	Brush Holder
GAL-243	2	Brush Spring
GAR-1235	1	C.E. Plate Part Assy.
GAR-2210	1	3rd Brush Holder Plate Assy.
GAL-13‡	1	Brush - Third
GAL-199	1	Brush Screw Block
GAL-242	1	Brush Holder
GAL-243	1	Brush Spring
GAR-1210	1	3rd Brush Holder Plate Part Assy.
6X-47	1	#8-32x9/16 Rd. Hd. Sc.
6X-59	1	#8-32x3/16 Rd. Hd. Sc.
X-195	1	#8 Lock Washer
X-1276	1	#8 Skpf. Washer
6X-47	2	#8-32x9/16 Rd. Hd. Sc.
6X-59	2	#8-32x3/16 Rd. Hd. Sc.
6X-63	2	#8-32x3/8 Flat Hd. Sc.
X-195	4	#8 Lock Washer
6X-304	1	#8-32x5/16 Rd. Hd. Sc.
X-1276	1	#8 Skpf. Washer
GR-32	1	Felt Washer Retainer
GR-35	1	Felt Washer
		1 2 3 4 5

Comm. End Plate Assembly (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
GR-73	1	Felt Washer
X-295	1	Ball Bearing - S.A.E. #203
X-489	1	1/4 Oiler - Press in Type

Armature Assembly & Parts Used With

GAG-1150	1	Oil Guard
GAR-2335	1	Armature Assy.
GAR-171	1	Snap Ring
GK-174	1	1/2 Plain Washer
X-263	1	#8 Woodruff Key
X-1150	1	1/2-20 Castellated Nut

Drive End Head Assembly & Parts Used With

GAR-1216A	1	Drive End Head Assy.
GAR-95	1	Felt Washer
GAR-216A	1	Drive End Head
GX-9	1	Bearing Retainer
GX-10	1	Gasket
X-196	3	#10 Lock Washer
8X-311	3	#10-32x3/8 Rd. Hd. Sc.
X-378	1	Ball. Brg.-Oil Seal - S.A.E. #204

Dist. Mounting Housing & Parts Used With

GAG-58	1	Dist. Mounting Housing Clamp
GAG-115	1	Dist. Mounting Housing
GE-25	1	Dist. Gear-Driver
GG-133	1	Dist. Drive Rivet
GW-19	1	Bearing Cover
8X-53	1	#8-32x5/8 Rd. Hd. Screw
8X-119	2	#10-32x1/2 Fill. Hd. Screw
8X-141	1	#8-32 Hex. Nut
X-380	1	1/8 Grease Cup
X-489	1	1/4 Oiler - Press in Type
X-544	2	#10 Lock Washer

Miscellaneous Parts

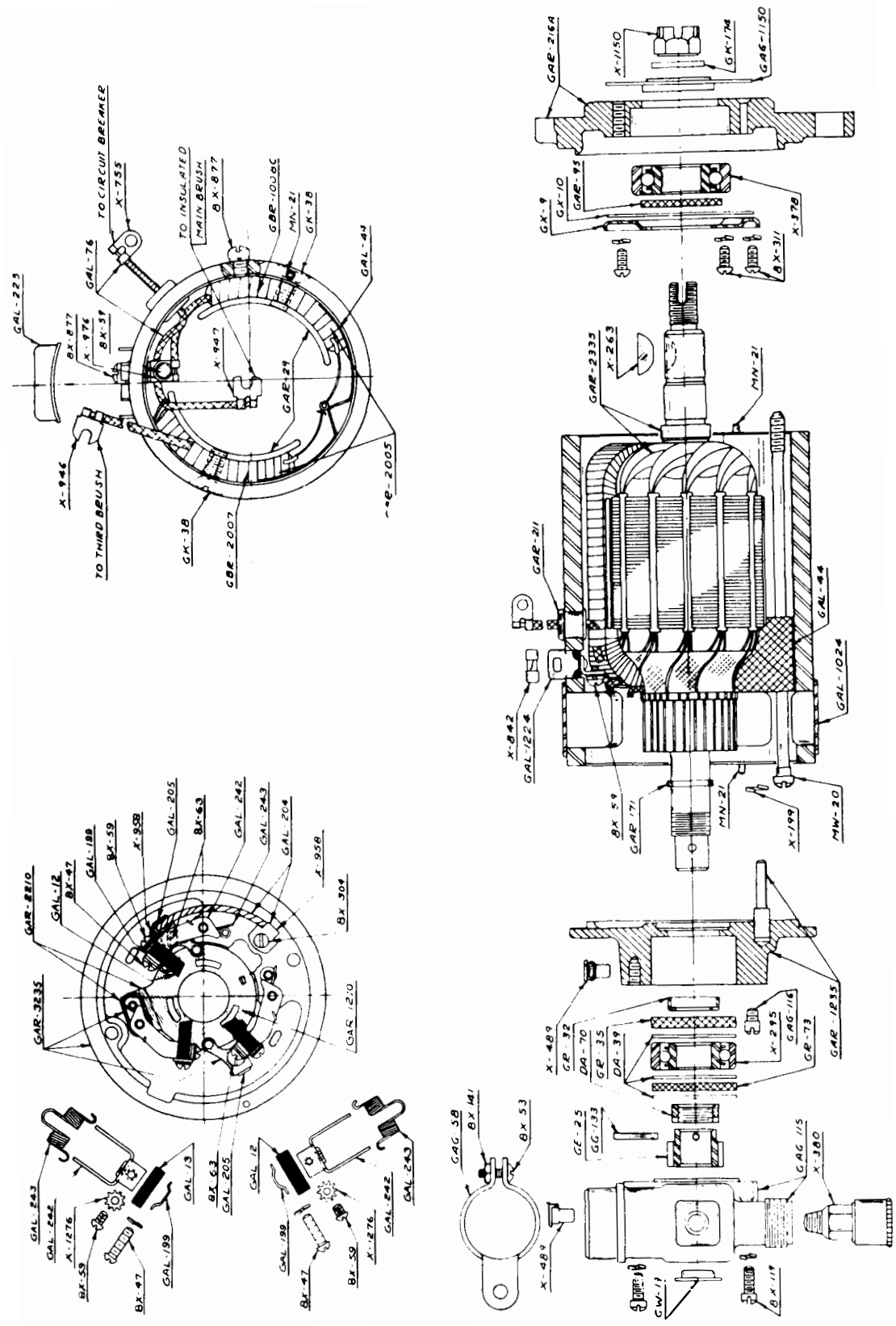
CB-4014	1	Circuit Breaker Assy.
CB-123	1	Armature Spring
CB-160S	1	C.B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Sc.
GAL-1024	1	Head Band Assy.
X-196	2	#10 Lock Washer
8X-321	2	#10-32x5/16 Rd. Hd. Sc.
X-715	1	#10-32x1 1/4 Rd. Hd. Sc.
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 12-6-37)

‡ Service Brush Set GAL-2012.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GBR-4502 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GBR-2188)	1	Frame & Field Assembly
GAL-44	1	Field Connection Ins.
GAR-29	2	Pole Piece
GAR-211	1	Insulating Bushing
GBR-1005	1	Field Coil Assy.-Comp.
GBR-1007	1	Field Coil Assy.-Left
GAL-289	1	C.B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GBR-1008	1	Field Coil Assy.-Right
X-767	1	Terminal
GK-38B	2	Pole Piece Screw
MN-21	2	Dowel Pin
MW-20A	2	Frame Screw
X-199	2	1/4 Lock Washer

Comm. End Plate Assembly & Parts Used With

(GAR-2115E)	1	Comm. End Plate Assy.
GAL-51	2	3rd Brush Plate Retain'g Spring
GAR-73	1	Oil Wick
GAR-75	1	Oil Guard
GAR-78	1	Gasket
GAR-79A	1	C.E. Cap Cover
GAR-98A	1	Wick Cover
GAR-1012‡	2	Brush - Main
GAR-1072	1	3rd Br. Holder Plate Assy.
GAR-1115A	1	C.E. Plate Part Assy.
GBF-79	1	Absorbent Bronze Brg.
GBJ-1013‡	1	Brush - Third
8X-56	2	#8-32x7/16 Rd. Hd. Screw
X-195	1	#8 Lock Washer
12X-196	3	#10 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
8X-870	3	#10-32x5/16 Fill. Hd. Sc.
X-195	2	#8 Lock Washer
8X-305	2	#8-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAR-2116	1	Armature Assembly
GAR-171	1	Snap Ring
GBM-21	1	Armature Shaft Nut
GR-32	1	Felt Washer Retainer
SP-185	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GBJ-1003D	1	Drive End Head Assy.
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GBJ-3D	1	D.E. Head
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Screw

Miscellaneous Parts

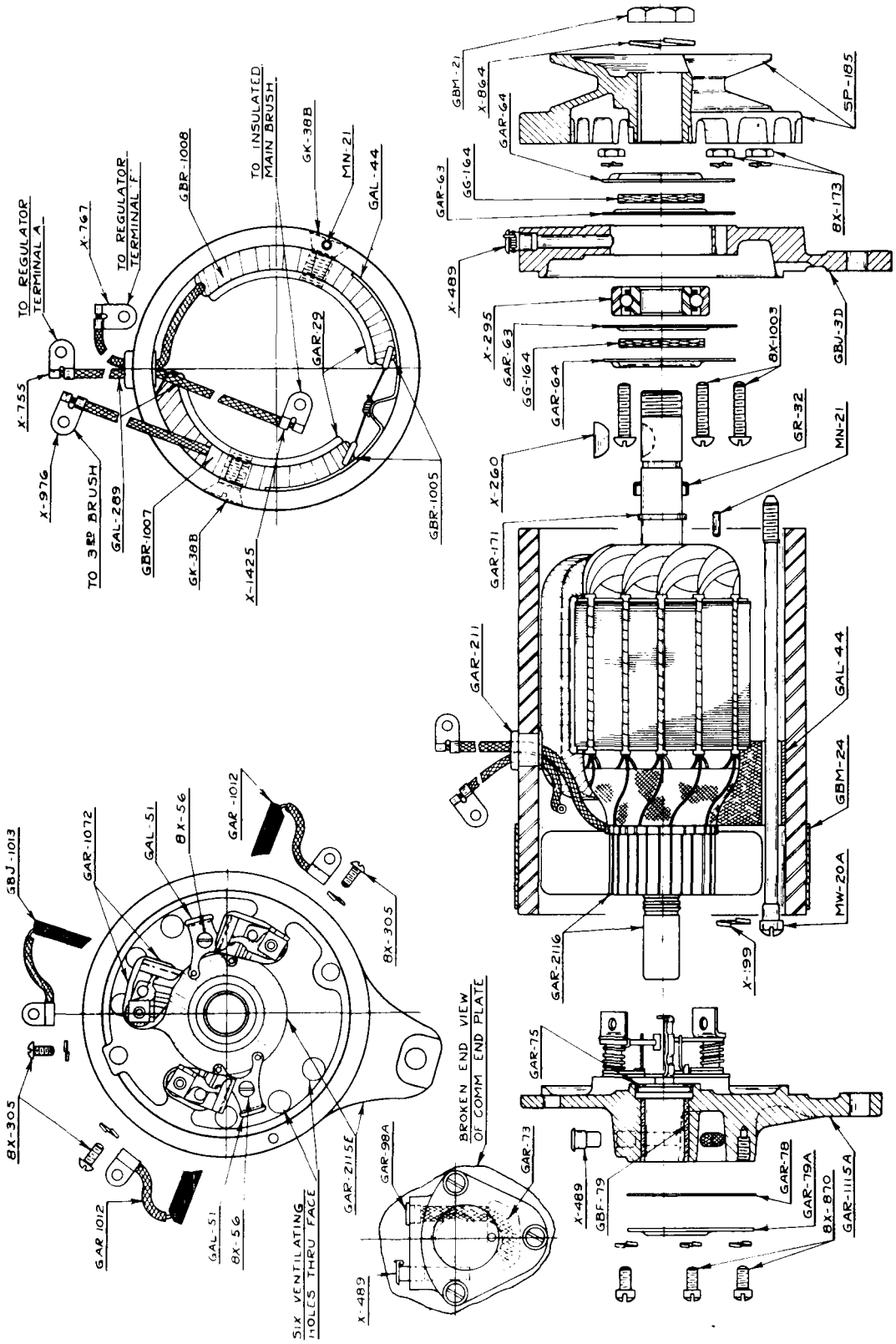
GBM-24	1	Head Band
TC-4302B	1	Two Charge Regulator & Circuit Breaker
8X-321	4	#10-32x5/16 Rd. Hd. Screw
8X-715	1	#10-32x1 1/4 Rd. Hd. Sc.
8X-794	1	#10-32 Square Nut
X-1270	4	#10 Skpf. Washer
		1 2 3 4 5

(Issued 9-1-37)

‡ Service Brush Set GAR-2012S.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GBR-4601 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part 1 2 3 4 5
(GBR-2314)	1	Frame & Field Assembly
GAL-44	1	Field Connection Ins.
GAR-21	2	Aligning Dowel
GAR-29	2	Pole Piece
GAR-211	1	Insulating Bushing
GBR-1005B	1	Field Coil Assy. - Comp.
GBR-1007B	1	Field Coil Assy.-Left
GAL-296	1	C.B. Lead Assembly
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GBR-1008B	1	Field Coil Assy.-Right
X-767	1	Terminal
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
MW-20	2	Frame Screw
X-199	2	1/4 Lock Washer

Comm. End Plate Assembly & Parts Used With

DA-39	2	Flat Oil Guard
DA-70	1	Armature Shaft Nut
DJ-10	1	End Cap Cover Gasket
GAG-53	1	Comm. End Cap Cover
(GAL-2213A)	1	Comm. End Plate Assembly
GAL-51	2	3rd Brush Plate Retaining Spring
GAL-1161	1	3rd Brush Plate Assy.
GAL-1213A	1	C.E. Plate Part Assy.
GAR-1012‡	2	Brush - Main
GBJ-1013‡	1	Brush - Third
8X-56	2	#8-32x7/16 Rd. Hd. Screw
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
GR-32	1	Felt Washer Retainer
GR-35	2	Felt Washer
X-195	2	#8 Lock Washer
X-295	1	Ball Bearing - S.A.E. #203
8X-305	2	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Sc. 1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part 1 2 3 4 5
GAR-159	1	Armature Shaft Spacer
GAR-2214	1	Armature Assembly
GAR-171	2	Snap Ring
X-264B	1	#9 Special Woodruff Key

Drive End Head Assembly & Parts Used With

GAR-1062	1	Drive End Head Assembly
GAR-62	1	Drive End Head
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-295	1	Ball Bearing - S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Screw
X-1270	3	#10 Skpf. Washer

Miscellaneous Parts

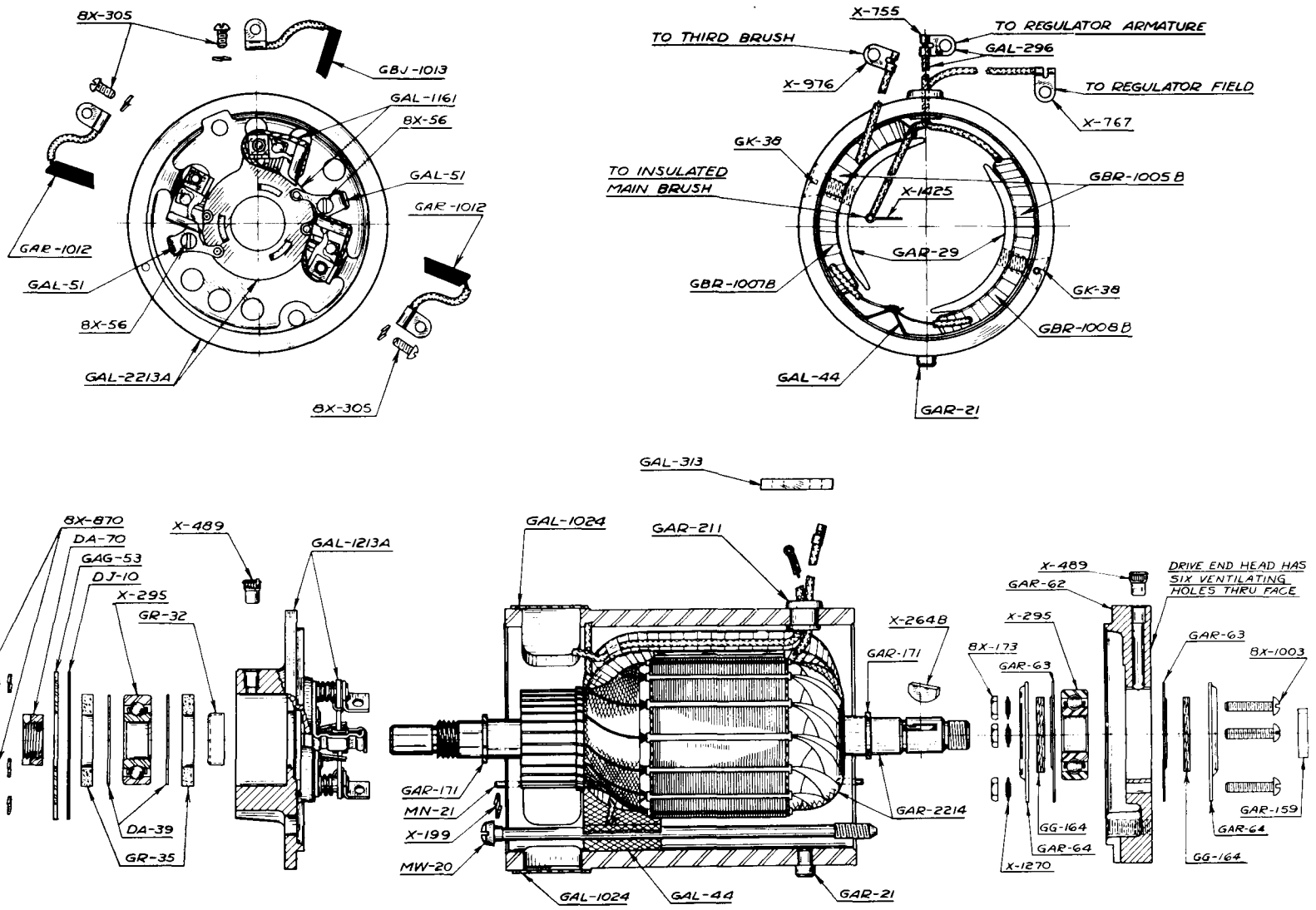
GAL-313	2	Spacer
GAL-1024	1	Head Band Assy.
TC-4313A	1	Two Charge Regulator & Circuit Breaker
X-196	4	#10 Lock Washer
8X-309	4	#10-32x1/2 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Sc.
8X-794	1	#10-32 Square Nut 1 2 3 4 5

(Issued 11-1-37)

‡ Service Brush Set GAR-2012S.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GBR-4602 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part 1 2 3 4 5
(GBR-2285)	1	Frame & Field Assy.
GAL-44	1	Field Connection Ins.
GAR-29	2	Pole Piece
GAR-211	1	Insulating Bushing
GBR-1005	1	Field Coil Assy. - Comp.
GBR-1007	1	Field Coil Assy. - Left
GAL-289	1	C.B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GBR-1008	1	Field Coil Assy. - Right
X-767	1	Terminal
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
MW-20	2	Frame Screw
X-199	2	1/4 Lock Washer

Comm. End Plate Assembly & Parts Used With

(GAR-2071)	1	Comm. End Plate Assy.
GAL-51	2	3rd Brush Plate Retaining Spring
GAR-73	1	Felt Wick
GAR-75	1	Oil Guard
GAR-78	1	Gasket
GAR-79	1	C.E. Cap Cover
GAR-98	1	Wick Cover
GAR-1012‡	2	Brush - Main
GAR-1071A	1	C.E. Plate Part Assy.
GBF-79	1	Absorbent Bronze Bearing
GAR-1072	1	3rd Brush Holder Plate Assy.
GBJ-1013‡	1	Brush - Third
8X-56	2	#8-32x7/16 Rd. Hd. Sc.
X-195	1	#8 Lock Washer
X-196	3	#10 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Sc.
X-489	1	1/4 Oiler - Press in Type
8X-870	3	#10-32x5/16 Fill. Hd. Sc.
X-195	2	#8 Lock Washer
8X-305	2	#8-32x1/4 Rd. Hd. Screw 1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part 1 2 3 4 5
GAR-2116	1	Armature Assembly
GAR-171	1	Snap Ring
GBM-21	1	Armature Shaft Nut
GR-32	1	Felt Washer Retainer
SP-191	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GAR-1076	1	Drive End Head Assy.
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GAR-76	1	Drive End Head
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Screw

Miscellaneous Parts

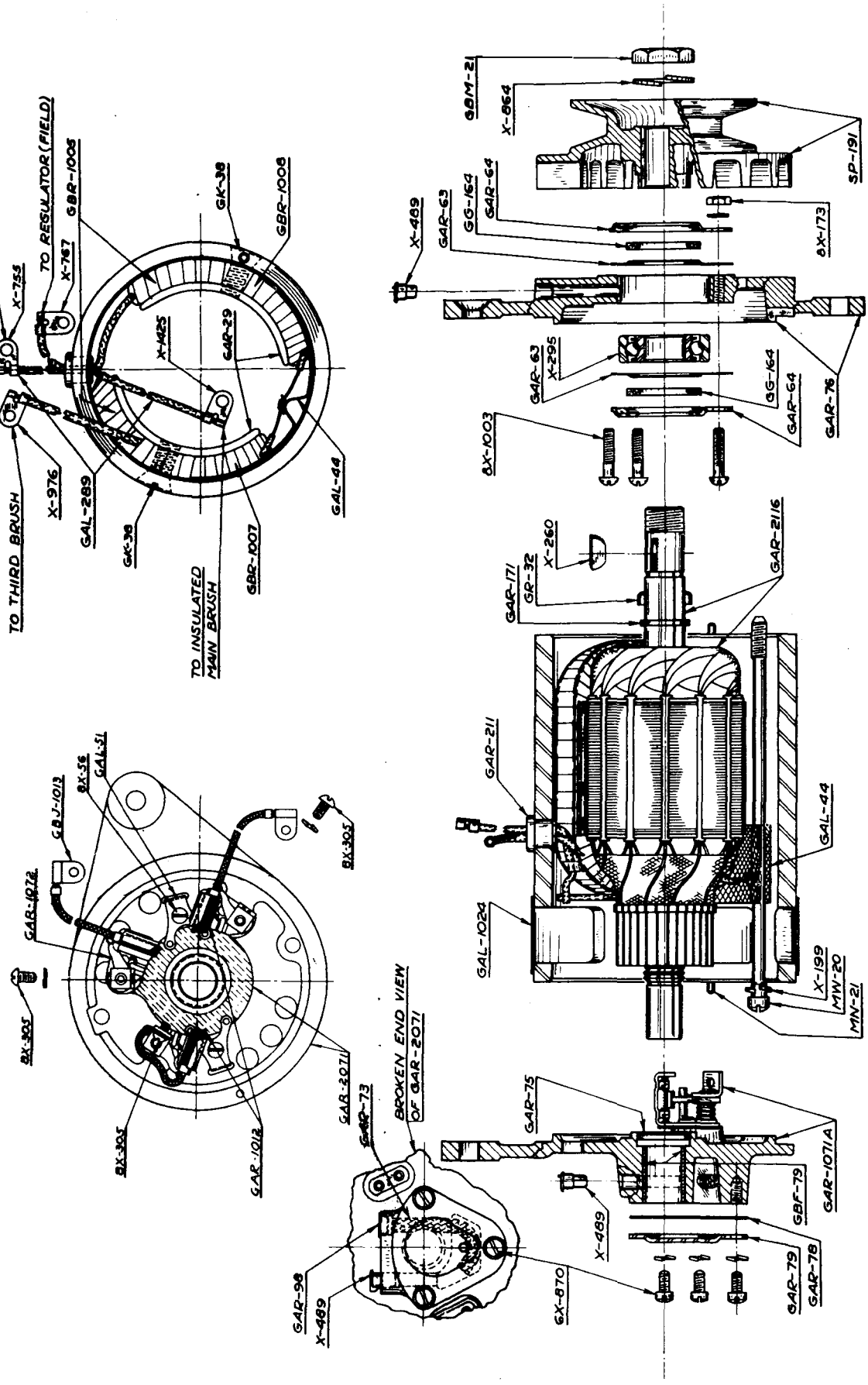
GAL-1024	1	Head Band Assy.
TC-122	1	Resistance Jumper
TC-4306A	1	Two Charge Regulator & Circuit Breaker
X-196	4	#10 Lock Washer
8X-321	4	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut 1 2 3 4 5

(Issued 11-1-37)

‡ Service Brush Set GAR-2012S.

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GBR-4603 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GBR-2157)	1	Frame & Field Assy.
GAL-44	1	Field Connection Ins.
GAL-148	1	Aligning Dowel
GAR-29	2	Pole Piece
GAR-211	1	Insulating Bushing
GBR-1005B	1	Field Coil Assy. - Comp.
GBR-1007B	1	Field Coil Assy. - Left
GAL-296	1	C.B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GBR-1008B	1	Field Coil Assy. - Right
X-767	1	Terminal
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
MW-20	2	Frame Screw
X-199	2	1/4 Lock Washer

Comm. End Plate Assembly & Parts Used With

DA-39	2	Flat Oil Guard
DA-70	1	Armature Shaft Nut
DJ-10	1	End Cap Cover Gasket
GAG-53	1	Comm. End Cap Cover
(GAL-2213A)	1	Comm. End Plate Assy.
CAL-51	2	3rd Brush Plate Retaining Spring
GAL-1161	1	3rd Brush Plate Assy.
GAL-1213A	1	C.E. Plate Part Assy.
GAR-1012‡	2	Brush - Main
GBJ-1013‡	1	Brush - Third
8X-56	2	#8-32x7/16 Rd. Hd. Sc.
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Sc.
GR-32	1	Felt Washer Retainer
GR-35	2	Felt Washer
X-195	2	#8 Lock Washer
X-295	1	Ball Bearing - S.A.E. #203
8X-305	2	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Sc.
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAR-2319	1	Armature Assembly
GAR-171	2	Snap Ring
GBM-21	1	Armature Shaft Nut
GR-32	1	Felt Washer Retainer
SP-199	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GAR-1062B	1	Drive End Head Assy.
GAR-62A	1	Drive End Head
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-295	1	Ball Brg. - S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Screw
X-1270	3	#10 Skpf. Washer

Miscellaneous Parts

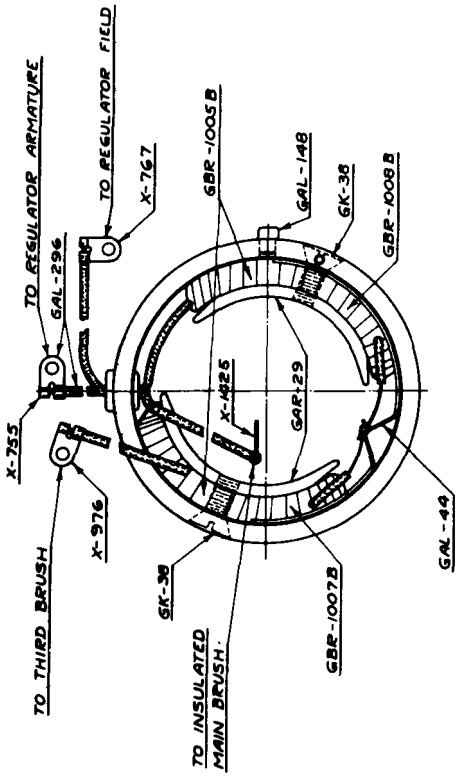
GAL-1024	1	Head Band Assy.
TC-4302A	1	Two Charge Regulator & Circuit Breaker
X-196	4	#10 Lock Washer
8X-321	4	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Sc.
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

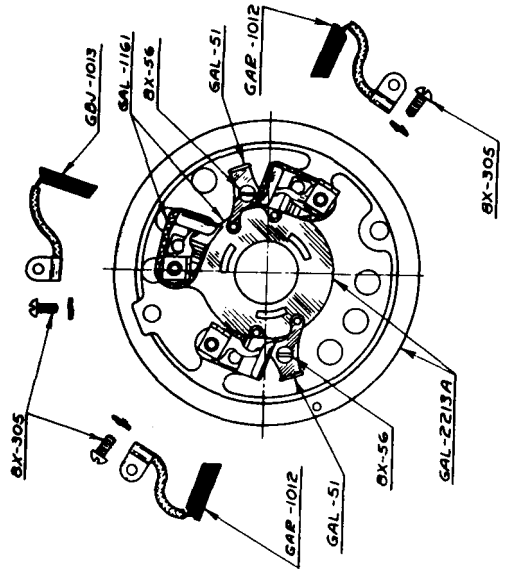
(Issued 11-1-37)

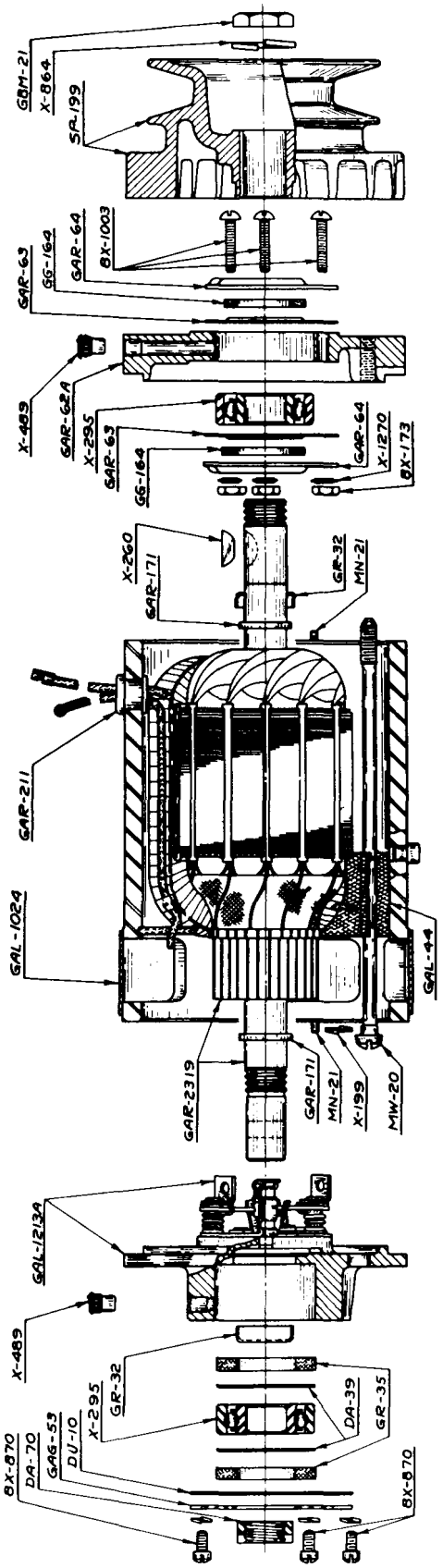
‡ Service Brush Set GAR-2012S.

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GBR-4604 GENERATOR ILLUSTRATION







Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GBR-2142)	1	Frame & Field Assembly
GAL-44	1	Field Connection Ins.
GAR-29	2	Pole Piece
GAR-211	1	Insulating Bushing
GBR-1005	1	Field Coil Assembly - Comp.
GBR-1007	1	Field Coil Assy. - Left
GAL-289	1	C.B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GBR-1008	1	Field Coil Assy. - Right
X-767	1	Terminal
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
MW-20	2	Frame Screw
X-199	2	1/4 Lock Washer

Comm. End Plate Assembly & Parts Used With

(GAR-2195)	1	Comm. End Plate Assy.
GAL-51	2	3rd Brush Plate Retaining Spring
GAR-73	1	Felt Wick
GAR-75	1	Oil Guard
GAR-78	1	Gasket
GAR-79	1	C.E. Cap Cover
GAR-98	1	Wick Cover
GAR-1012‡	1	Brush - Main
GAR-1072	1	3rd Brush Holder Plate Assy.
GAR-1195A	1	Comm. End Plate Part Assy.
GBF-79	1	Absorbent Bronze Bearing.
GBJ-1013‡	1	Brush - Third
8X-56	2	#8-32x7/16 Rd. Hd. Sc.
X-195	1	#8 Lock Washer
X-196	3	#10 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Sc.
X-489	1	1/4 Oiler - Press in Type
8X-870	3	#10-32x5/16 Fill. Hd. Sc.
X-195	2	#8 Lock Washer
8X-305	2	#8-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAR-2116	1	Armature Assembly
GAR-171	1	Snap Ring
GBM-21	1	Armature Shaft Nut
GR-32	1	Felt Washer Retainer
SP-205	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GBJ-1003	1	Drive End Head Assy.
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GBJ-3	1	D.E. Head
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Screw

Miscellaneous Parts

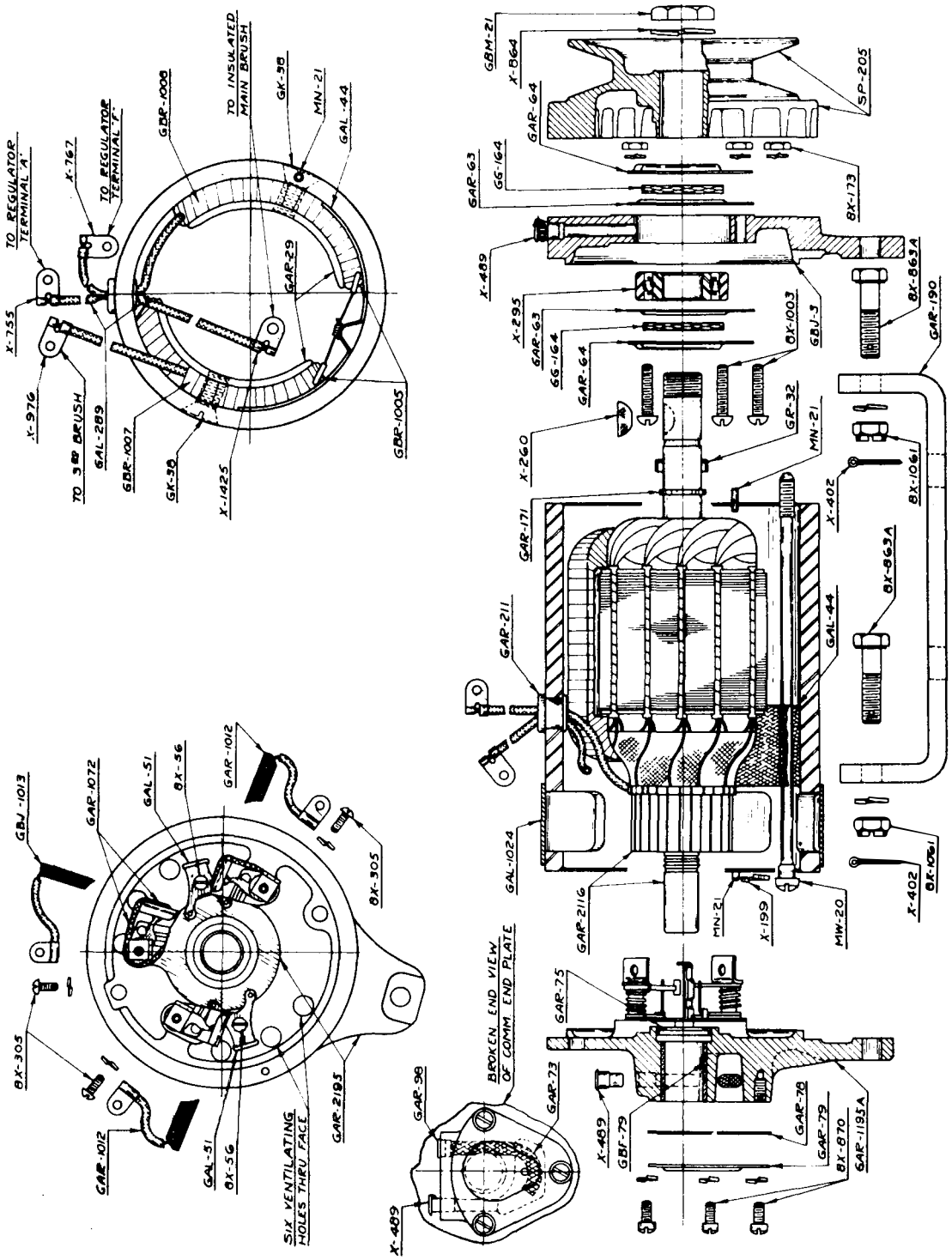
GAL-1024	1	Head Band Assembly
GAR-190	1	Mounting Bracket
TC-4302A	1	Two Charge Regulator & Circuit Breaker
X-196	4	#10 Lock Washer
8X-321	4	#10-32x5/16 Rd. Head Screw
X-402	2	1/16x3/4 Cotter Pin
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
8X-863A	2	5/16-24 Hex. Hd. Screw
X-1014	2	5/16 Lock Washer
8X-1061	2	5/16-24 Castellated Nut
		1 2 3 4 5

(Issued 11-1-37)

‡ Service Brush Set GAR-2012S.

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GBR-4605 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAG-125A	1	Mounting Bracket
(GBR-2324)	1	Frame & Field Assembly
GAL-44	1	Field Connection Ins.
GAR-29	2	Pole Piece
GAR-211	1	Insulating Bushing
GBR-1005B	1	Field Coil Assy. - Comp.
GBR-1007B	1	Field Coil Assy. - Left
GAL-296	1	C.B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GBR-1008B	1	Field Coil Assy. - Right
X-767	1	Terminal
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
MW-20	2	Frame Screw
8X-113	2	5/16-24x5/8 Hex. Hd. Screw
X-199	2	1/4 Lock Washer
X-203	2	5/16 Lock Washer

Comm. End Plate Assembly & Parts Used With

DA-22	1	Bearing Retaining Washer
DA-39	1	Flat Oil Guard
DA-60	1	Bearing Retaining Screw
DJ-4	1	Comm. End Cap Cover
DJ-10	1	End Cap Cover Gasket
(GAL-2213A)	1	Comm. End Plate Assy.
GAL-51	2	3rd Brush Plate Retaining Spring
GAL-1161	1	3rd Brush Plate Assy.
GAL-1213A	1	C.E. Plate Part Assy.
GAR-1012‡	2	Brush - Main
GBJ-1013‡	1	Brush - Third
8X-56	2	#8-32x7/16 Rd. Hd. Sc.
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Sc.
GR-32	1	Felt Washer Retainer
GR-35	1	Felt Washer
X-195	2	#8 Lock Washer
X-199	1	1/4 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
8X-305	2	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
X-544	3	#10 Lock Washer
8X-870	3	#10- 2x5/16 Fill. Hd. Sc.
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAR-159	1	Armature Shaft Spacer
GAR-2191	1	Armature Assy.
GAR-171	2	Snap Ring
GR-32	1	Felt Washer Retainer
X-264B	1	#9 Special Woodruff Key

Drive End Head Assembly & Parts Used With

GAR-1062	1	Drive End Head Assy.
GAR-62	1	Drive End Head
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-295	1	Ball Brg. - S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Screw
X-1270	3	#10 Skpf. Washer

Miscellaneous Parts

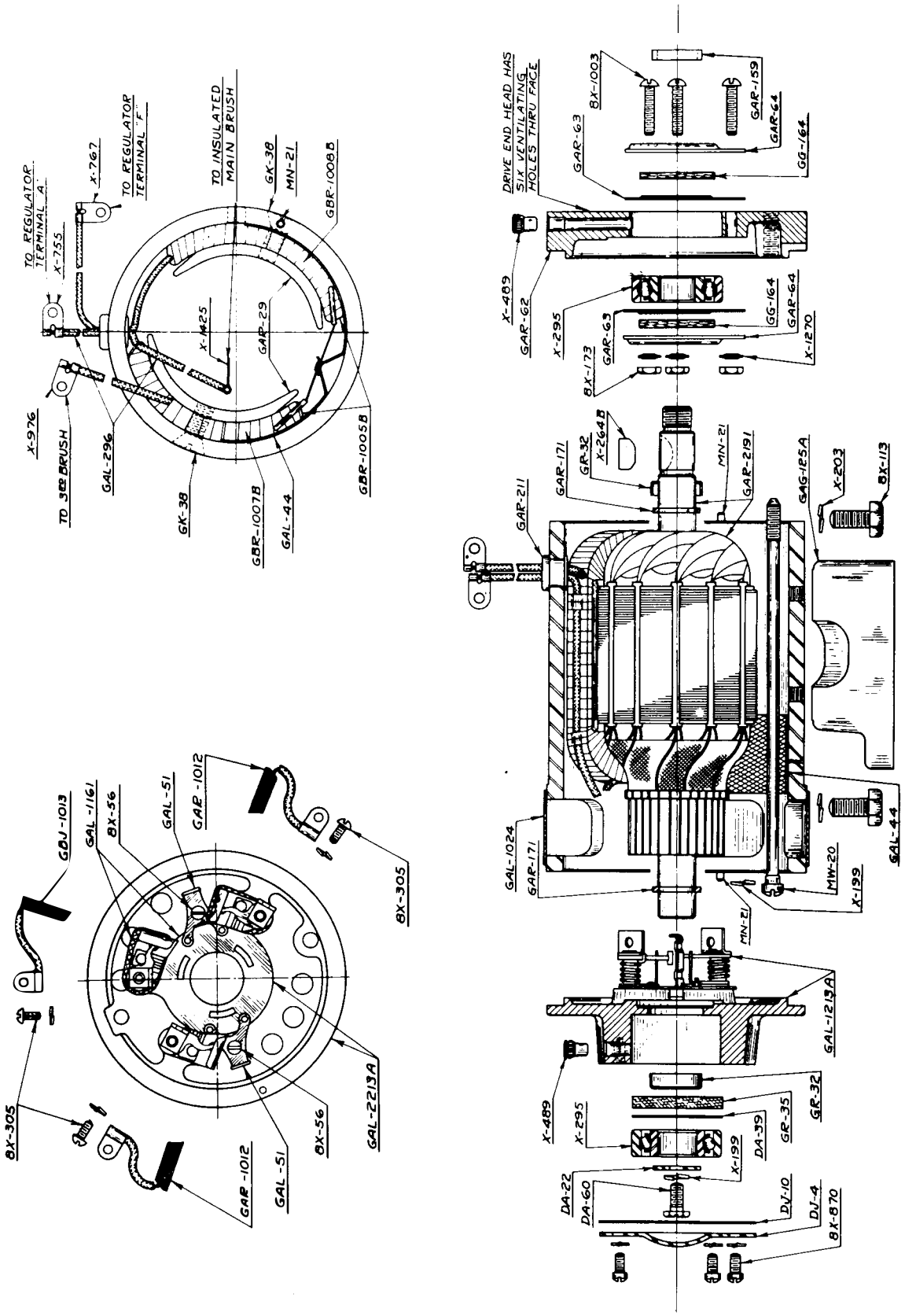
GAL-1024	1	Head Band Assembly
TC-4302A	1	Two Charge Regulator & Circuit Breaker
X-196	4	#10 Lock Washer
8X-321	4	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 11-16-37)

‡ Service Brush Set GAR-2012S.

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GBR-4607 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAL-326	1	Mounting Bracket
(GBR-2325)	1	Frame & Field Assy.
GAL-44	1	Field Connection Ins.
GAR-29	2	Pole Piece
GAR-211	1	Insulating Bushing
GBR-1005	1	Field Coil Assy. - Comp.
GBR-1007	1	Field Coil Assy. - Left
GAL-289	1	C.B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GBR-1008	1	Field Coil Assy. - Right
X-767	1	Terminal
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
MW-20	2	Frame Screw
X-199	2	1/4 Lock Washer
X-201	4	3/8 Lock Washer
X-813	4	3/8-24x11/16 Hex. Hd. Sc.

Comm. End Plate Assembly & Parts Used With

DA-22	1	Bearing Retaining Washer
DA-39	1	Flat Oil Guard
DA-60	1	Bearing Retaining Screw
DJ-4	1	Comm. End Cap Cover
DJ-10	1	End Cap Cover Gasket
(GAL-2213A)	1	Comm. End Plate Assy.
GAL-51	2	3rd Brush Plate Retaining Spring
GAL-1161	1	3rd Brush Plate Assy.
GAL-1213A	1	C.E. Plate Part Assy.
CAR-1012‡	2	Brush - Main
GBJ-1013‡	1	Brush - Third
8X-56	2	#8-32x7/16 Rd. Hd. Sc.
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Sc.
GR-32	1	Felt Washer Retainer
GR-35	1	Felt Washer
X-195	2	#8 Lock Washer
X-199	1	1/4 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
8X-305	2	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Sc.
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAR-2286	1	Armature Assy.
GAR-171	2	Snap Ring
GBM-21	1	Armature Shaft Nut
GR-32	1	Felt Washer Retainer
SP-199	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GAR-1062B	1	Drive End Head Assembly
GAR-62A	1	Drive End Head
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-295	1	Ball Brg. - S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Screw
X-1270	3	#10 Skpf. Washer

Miscellaneous Parts

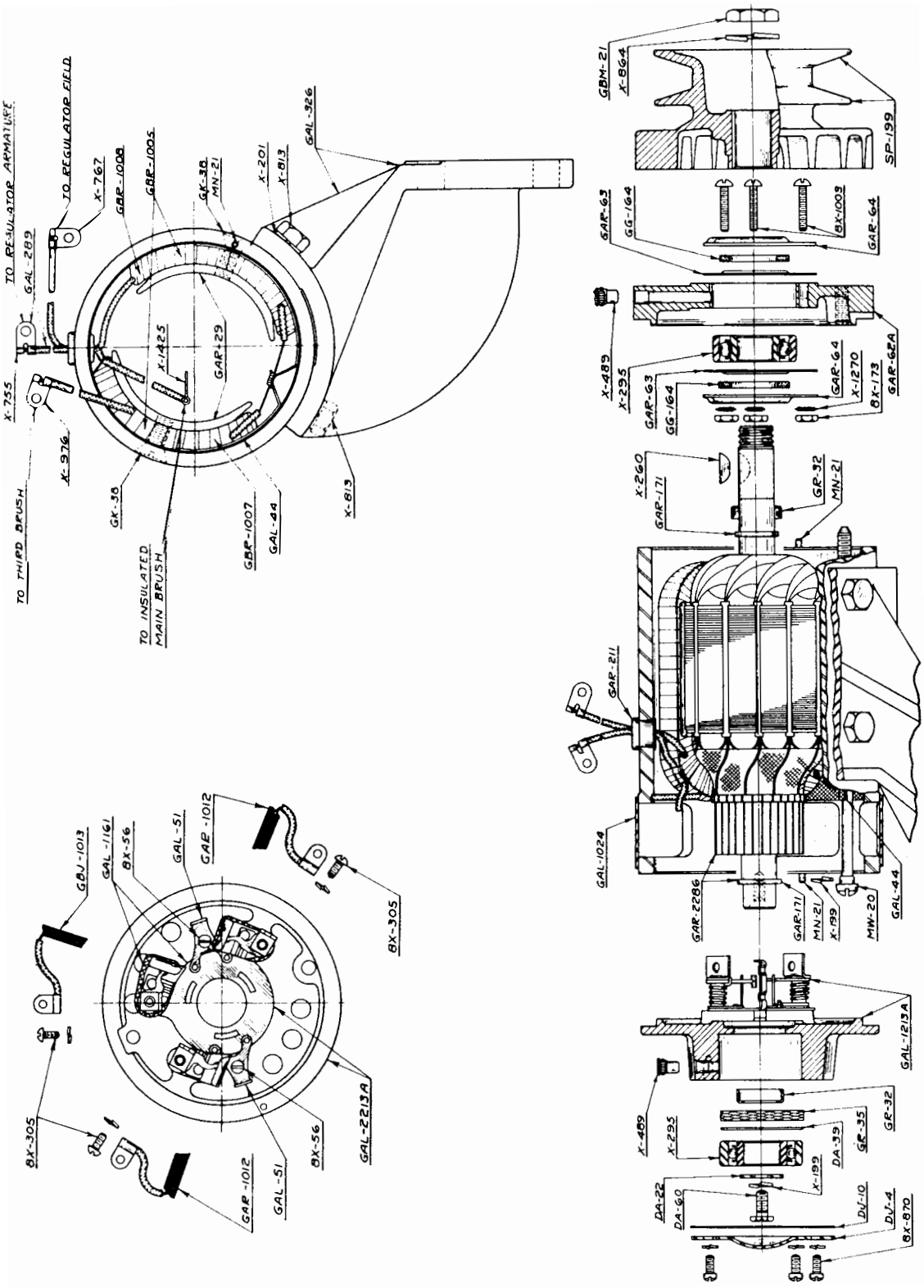
GAL-1024	1	Head Band Assembly
TC-4302A	1	Two Charge Regulator & Circuit Breaker
X-196	4	#10 Lock Washer
8X-321	4	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 11-16-37)

‡ Service Brush Set GAR-2012S.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GBR-4608 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GBR-2132)	1	Frame & Field Assy.
GAL-44	1	Field Connection Ins.
GAR-29	2	Pole Piece
GAR-211	1	Insulating Bushing
GBR-1005C	1	Field Coil Assy. - Comp.
CBR-1007C	1	Field Coil Assy. - Left
GAL-298	1	C.E. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GBR-1008	1	Field Coil Assy. - Right
X-767	1	Terminal
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
MW-20	2	Frame Screw
X-199	2	1/4 Lock Washer

Comm. End Plate Assembly & Parts Used With

DA-39	2	Flat Oil Guard
DA-132	1	Felt Washer
GAB-188	1	Felt Washer
GAR-82	1	Air Deflecter
GAR-83	1	Comm. End Cap Cover
(GAR-2081)	1	Comm. End Plate Assy.
GAL-51	2	3rd Brush Plate Retain'g Spring
GAL-1161	1	3rd Brush Plate Assy.
GAR-1081	1	C.E. Plate Part Assy.
GBM-1012‡	2	Brush - Main
GBM-1013‡	1	Brush - Third
8X-56	2	#8-32x7/16 Rd. Hd. Screw
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
GBJ-25	1	End Cap Cover Gasket
GR-32	1	Felt Washer Retainer
X-62	6	#10-32x3/8 Flat Hd. Screw
X-195	2	#8 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
8X-305	2	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAR-1177	1	Oil Thrower Assembly
GAR-2109	1	Armature Assembly
GAR-171	1	Snap Ring
GBM-21	1	Armature Shaft Nut
GK-174	1	1/2 Plain Washer
SP-96	1	Ventilating Fan
X-156	1	1/2-20 Castellated Nut
X-204	1	11/16 Lock Washer
X-258	1	#3 Woodruff Key
X-263	1	#8 Woodruff Key
X-404	1	3/32x1 Cotter Pin

Drive End Head Assembly & Parts Used With

GAR-1095	1	Drive End Head Assy.
GAR-95	1	Felt Washer
GAR-96	1	Drive End Head
GX-9	1	D.E. Packing Retainer
GX-10	1	Gasket
X-196	3	#10 Lock Washer
8X-311	3	#10-32x3/8 Rd. Hd. Sc.
X-378	1	Ball Brg. - S.A.E. #204 - Oil Seal

Miscellaneous Parts

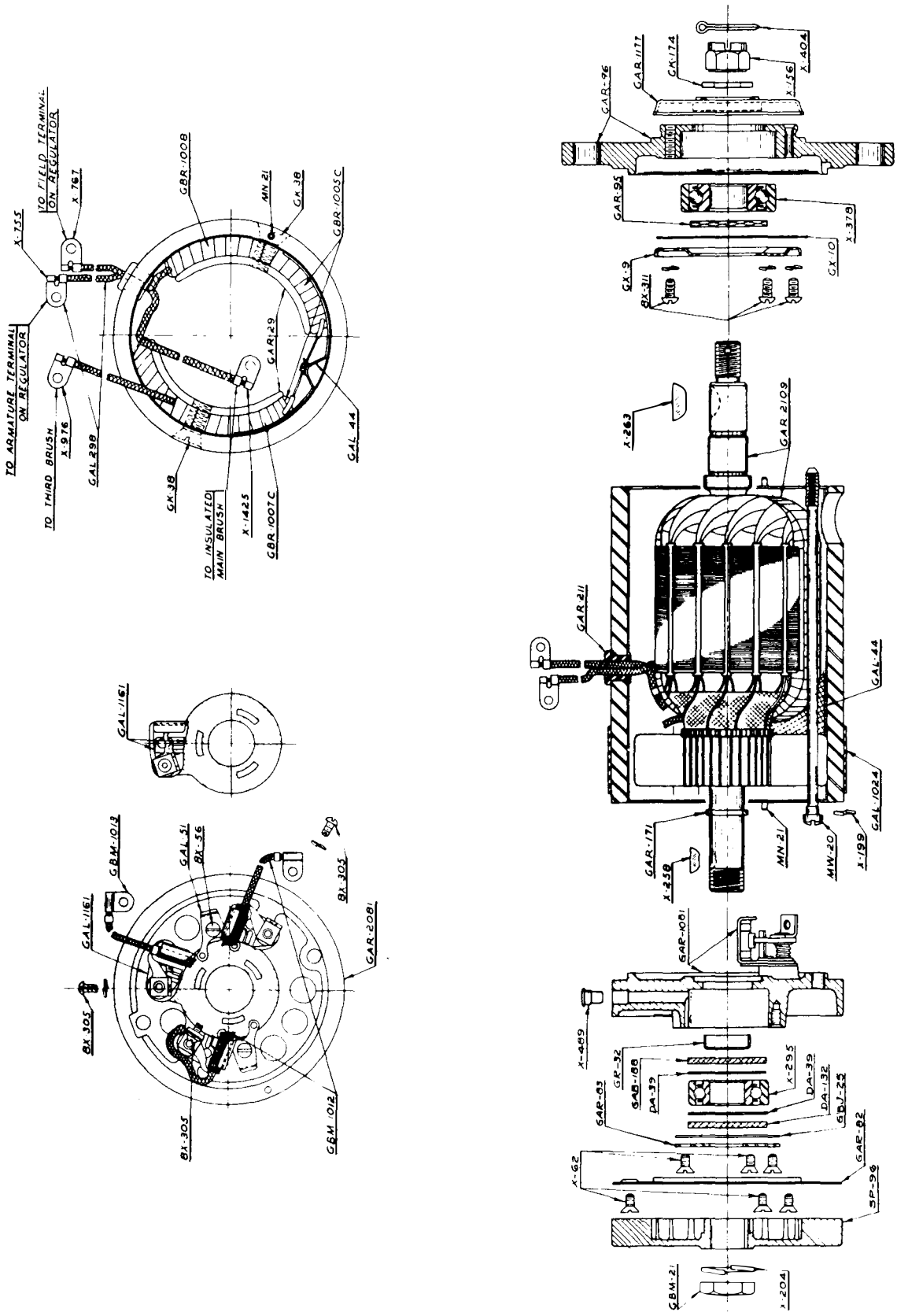
GAL-1024	1	Head Band Assy.
TC-4302A	1	Two Charge Regulator
X-196	4	#10 Lock Washer
8X-321	4	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 11-16-36)

‡ Service Brush Set GBM-2012.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GBR-4609 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GBR-2136)	1	Frame & Field Assy.
GAG-125	1	Mounting Bracket
GAL-44	1	Field Connection Ins.
GAR-29	2	Pole Piece
GAR-211	1	Insulating Bushing
GBR-1005	1	Field Coil Assy. - Comp.
GBR-1007	1	Field Coil Assy. - Left
GAL-289	1	C.B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GBR-1008	1	Field Coil Assy. - Right
X-767	1	Terminal
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-113	2	5/16-24x5/8 Hex. Hd. Sc.
X-203	2	5/16 Lock Washer
MW-20	2	Frame Screw
X-199	2	1/4 Lock Washer

Comm. End Plate Assembly & Parts Used With

DA-39	2	Flat Oil Guard
DA-70	1	Armature Shaft Nut
DJ-10	1	End Cap Cover Gasket
GAG-53	1	Comm. End Cap Cover
(GAL-2213A)	1	Comm. End Plate Assy.
GAL-51	2	3rd Brush Plate Retain'g Spring
GAL-1161	1	3rd Brush Plate Assy.
GAL-1213A	1	C.E. Plate Part Assy.
GBM-1012‡	2	Brush - Main
GBM-1013‡	1	Brush - Third
8X-56	2	#8-32x7/16 Rd. Hd. Sc.
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
GR-32	1	Felt Washer Retainer
GR-35	2	Felt Washer
X-195	2	#8 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
8X-305	2	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAR-2331	1	Armature Assembly
GAR-171	2	Snap Ring
GJ-179	1	7/16 Plain Washer
GR-32	1	Felt Washer Retainer
SP-96	1	Ventilating Fan
X-160	1	7/16-20 Hex. Nut
X-205	1	7/16 Lock Washer
X-258	1	#3 Woodruff Key
X-261	2	#6 Woodruff Key

Drive End Head Assembly & Parts Used With

GAR-1062B	1	Drive End Head Assy.
GAR-62A	1	Drive End Head
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-295	1	Ball Brg. - S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Screw
X-1270	3	#10 Skpf. Washer

Miscellaneous Parts

GAL-1024	1	Head Band Assy.
TC-4302A	1	Two Charge Regulator
X-196	4	#10 Lock Washer
8X-321	4	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 11-16-36)

‡ Service Brush Set GBM-2012.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GBR-4611 GENERATOR ILLUSTRATION

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part 1 2 3 4 5
(GBR-2136)	1	Frame & Field Assy.
GAG-125	1	Mounting Bracket
GAL-44	1	Field Connection Ins.
GAR-29	2	Pole Piece
GAR-211	1	Insulating Bushing
GBR-1005	1	Field Coil Assy. - Comp.
GBR-1007	1	Field Coil Assy. - Left
GAL-289	1	C.B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GBR-1008	1	Field Coil Assy. - Right
X-767	1	Terminal
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-113	2	5/16-24x5/8 Hex. Hd. Sc.
X-203	2	5/16 Lock Washer
MW-20	2	Frame Screw
X-199	2	1/4 Lock Washer

Comm. End Plate Assembly & Parts Used With

DA-22	1	Bearing Retaining Washer
DA-39	1	Flat Oil Guard
DA-60	1	Bearing Retaining Screw
DJ-4	1	Comm. End Cap Cover
DJ-10	1	End Cap Cover Gasket
GAJ-79	1	Bearing Spacer
(GAL-2213A)	1	Comm. End Plate Assy.
GAL-51	2	3rd Brush Plate Retain'g Spring
GAL-1161	1	3rd Brush Plate Assy.
GAL-1213A	1	C.E. Plate Part Assy.
GBM-1012‡	2	Brush - Main
GBM-1013‡	1	Brush - Third
8X-56	2	#8-32x7/16 Rd. Hd. Screw
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
GR-32	1	Felt Washer Retainer
GR-35	1	Felt Washer
X-195	2	#8 Lock Washer
X-199	1	1/4 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
8X-305	2	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Screw 1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part 1 2 3 4 5
GAR-2151	1	Armature Assembly
GAR-171	2	Snap Ring
GJ-179	1	7/16 Plain Washer
GR-32	1	Felt Washer Retainer
SP-96	1	Ventilating Fan
X-160	1	7/16-20 Hex. Nut
X-205	1	7/16 Lock Washer
X-258	1	#3 Woodruff Key
X-261	1	#6 Woodruff Key

Drive End Head Assembly & Parts Used With

GAR-1062B	1	Drive End Head Assy.
GAR-62A	1	Drive End Head
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-295	1	Ball Brg. - S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Screw
X-1270	3	#10 Skpf. Washer

Miscellaneous Parts

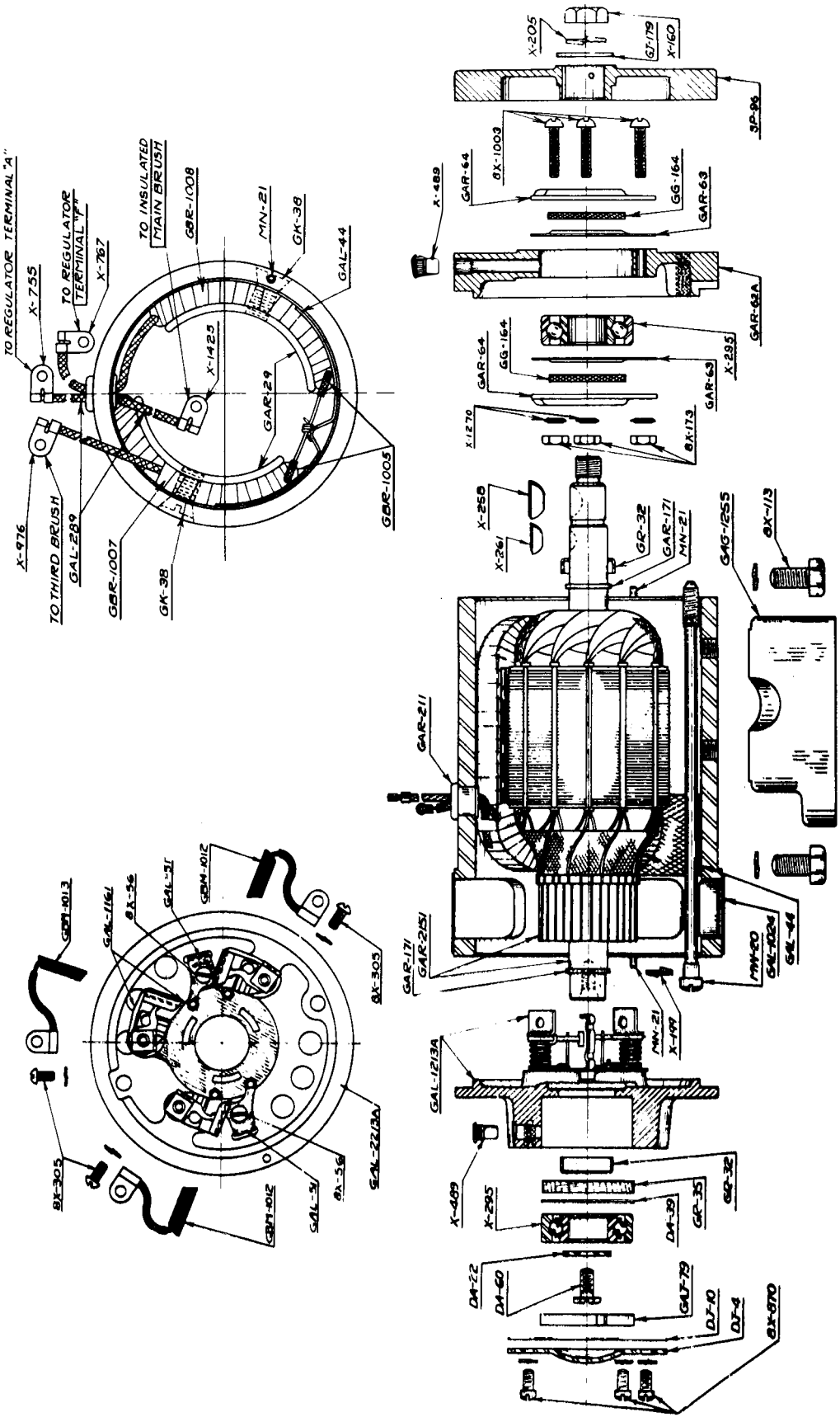
GAL-1024	1	Head Band Assembly
TC-4302A	1	Two Charge Regulator
X-196	4	#10 Lock Washer
8X-321	4	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut 1 2 3 4 5

(Issued 11-16-36)

‡ Service Brush Set GBM-2012.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GBR-4612 GENERATOR ILLUSTRATION



GBS-4502 GENERATOR PARTS LIST GBS-4502

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAL-20	2	Frame Screw
GAR-1031	1	Fuse Holder
(GBS-2179)	1	Frame & Field Assy.
GAL-44	1	Field Connection Ins.
GAL-148	1	Aligning Dowel
GAR-29	2	Pole Piece
GAR-211	1	Insulating Bushing
GBS-1005B	1	Field Coil Assy.-Comp.
GBS-1007D	1	Field Coil Assy.-Left
GAL-292	1	C.B. Lead Assy.
X-755	1	Terminal
X-947	1	Terminal
X-946	1	Terminal
GBS-1008C	1	Field Coil Assy.-Right
X-976	1	Terminal
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-59	1	#8-32x3/16 Rd. Hd. Screw
8X-78	1	#8-32x9/16 Flat Hd. Screw
X-152	2	1/4-20 Hex. Nut
X-195	1	#8 Lock Washer
X-199	2	1/4 Lock Washer
X-842	1	Fuse - 5 Amp.

Comm. End Plate Assy. & Parts Used With

DA-39	1	Flat Oil Guard
DJ-4	1	Comm. End Cap Cover
DJ-10	1	End Cap Cover Gasket
GAJ-79	1	Bearing Spacer
(GAR-2206C)	1	Comm. End Plate Assy.
GAL-12‡	2	Brush - Main
GAL-199	2	Brush Screw Block
GAL-204	1	Ground Connector Assy.
X-958	2	Terminal
GAL-205	2	3rd Br. Plate Retain'g Spring
GAL-242	2	Brush Holder
GAL-243	2	Brush Spring
GAL-1206C	1	C.E. Plate Part Assy.
GAR-2187A	1	3rd Brush Plate Assy.
GAL-13‡	1	Brush - 3rd
GAL-199	1	Brush Screw Block
GAL-242	1	Brush Holder
GAL-243	1	Brush Spring
GAR-1187A	1	3rd Br. Holder Plate Part Assy.
6X-47	1	#8-32x9/16 Rd. Hd. Sc.
6X-59	1	#8-32x3/16 Rd. Hd. Sc.
X-195	1	#8 Lock Washer
X-1276	1	#8 Skpf. Washer
6X-47	2	#8-32x9/16 Rd. Hd. Screw
6X-59	2	#8-32x3/16 Rd. Hd. Screw
6X-63	2	#8-32x3/8 Flat
X-195	4	#8 Lock Washer
6X-304	1	#8-32x5/16 Rd. Hd. Screw
X-1276	1	#8 Skpf. Washer
GR-32	1	Felt Washer Retainer
GR-35	1	Felt Washer
X-295	1	Ball Brg.-S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAA-69	1	Lock Spring Ring
GAL-142	1	Armature Shaft Spacer
GBS-2333	1	Armature Assy.
GAR-171	2	Snap Ring
X-160	1	7/16-20 Hex. Nut
X-205	1	7/16 Lock Washer
X-261	1	#6 Woodruff Key
X-360	1	7/16 Steel Washer

Drive End Head Assy. & Parts Used With

GAM-1003	1	Drive End Head Assy.
GAM-30	1	Bearing Retainer
GAM-32	1	Felt Washer Guard
GAM-33	1	Felt Washer
GAM-34	1	Oil Guard - Corrugated
GAM-1003S	1	Drive End Head
X-196	4	#10 Lock Washer
X-295	I	Ball Brg.-S.A.E. #203
6X-312	4	#10-32x1/4 Rd. Hd. Sc.

Miscellaneous Parts

GAL-1024E	1	Head Band Assembly
RA-4002	1	Circuit Breaker Assy.
X-196	2	#10 Lock Washer
8X-321	2	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 10-22-37)

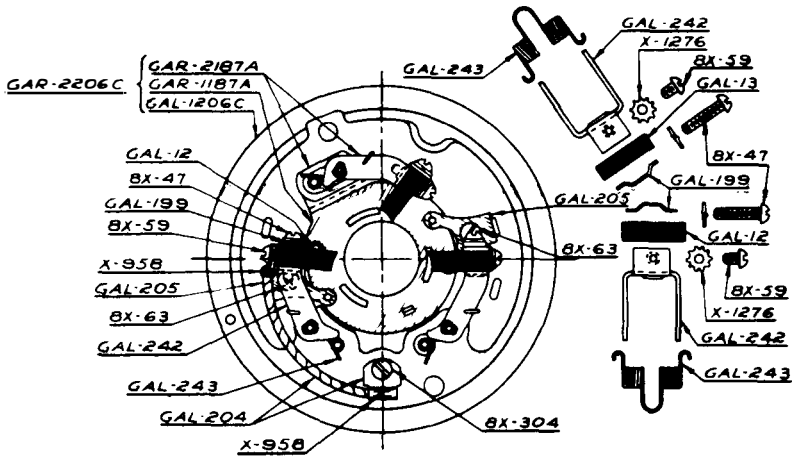
‡ Service Brush Set GAL-2012

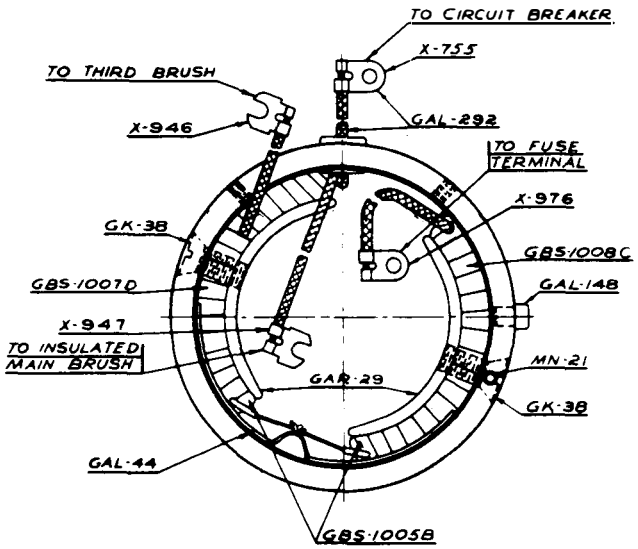
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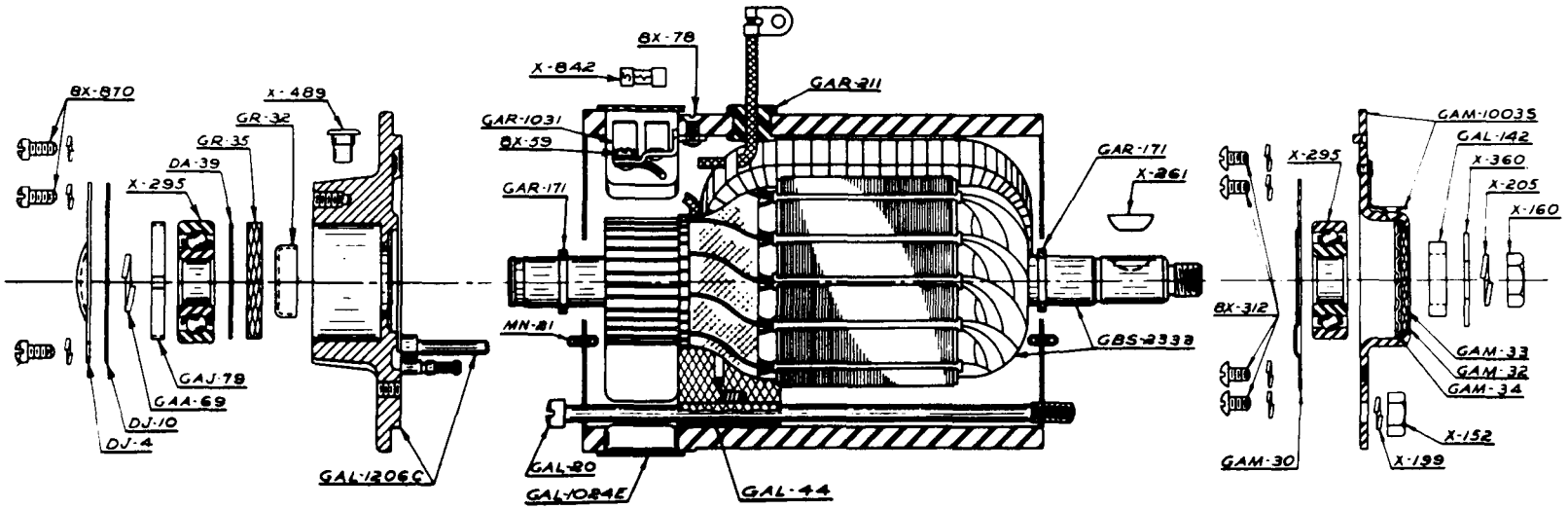
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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GBS-4502 GENERATOR ILLUSTRATION







Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GBS-2136)	1	Frame & Field Assy.
CAG-125S	1	Mounting Bracket
CAL-44	1	Field Connection Insulator
CAR-29	2	Pole Piece
CAR-211	1	Insulating Bushing
GBS-1005	1	Field Coil Assy.-Comp.
GBS-1007	1	Field Coil Assy.-Left
GAL-289	1	C. B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GBS-1008	1	Field Coil Assy.-Right
X-767	1	Terminal
CK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-113	2	5/16-24 Hex. Hd. Screw
X-203	2	5/16 Lock Washer
MW-20	2	Frame Screw
X-199	2	1/4 Lock Washer

Comm. End Plate Assy. & Parts Used With

DA-39	2	Flat Oil Guard
DA-70	1	Armature Shaft Nut
DJ-10	1	End Cap Cover Gasket
GAG-53	1	Comm. End Cap Cover
(GAL-2213A)	1	Comm. End Plate Assy.
GAL-51	2	3rd Brush Plate Retaining Spring
GAL-1161	1	3rd Brush Plate Assy.
GAL-1213A	1	C.E. Plate Part Assy.
GAR-1012‡	2	Brush - Main
GBJ-1013‡	1	Brush - Third
8X-56	2	#8-32x7/16 Rd. Hd. Sc.
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Sc.
GR-32	1	Felt Washer Retainer
GR-35	2	Felt Washer
X-195	2	#8 Lock Washer
X-295	1	Ball Bearing - S.A.E. #203
8X-305	2	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBS-2135F	1	Armature Assy.
GAR-171	2	Snap Ring
GR-32	1	Felt Washer Retainer
SP-96	1	Ventilating Fan
X-258	1	#3 Woodruff Key
X-261	2	#6 Woodruff Key

Drive End Head Assy. & Parts Used With

GAR-1062B	1	Drive End Head Assy.
GAR-62A	1	Drive End Head
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-295	1	Ball Brg.-S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Screw
X-1270	3	#10 Skpf. - Washer

Miscellaneous Parts

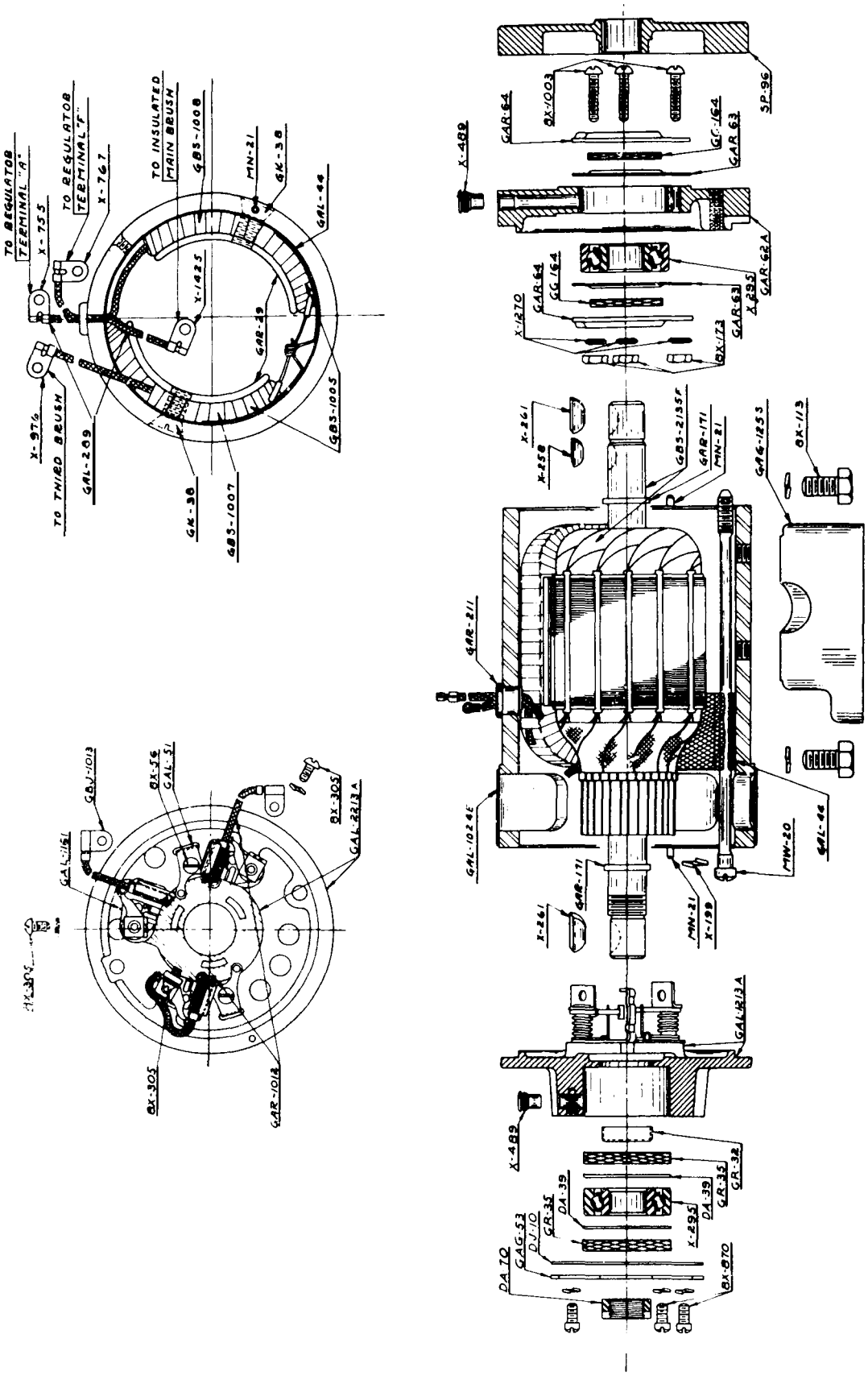
GAL-1024E	1	Head Band Assembly
TC-4310A	1	Two Charge Regulator
X-196	4	#10 Lock Washer
8X-321	4	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 10-22-37)

‡ Service Brush Set GBJ-2012S

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GBS-4605 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GBS-3136)	1	Frame & Field Assembly
GAG-125S	1	Mounting Bracket
GAL-44	1	Field Connection Assembly
GAR-29	2	Pole Piece
GAR-211	1	Insulating Bushing
GBS-2005	1	FIELD COIL ASSY.- Comp.
GBS-1007A	1	Field Coil Assy.-Left
GAL-298	1	C. B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GBS-1008	1	Field Coil Assy.-Right
X-767	1	Terminal
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-113	2	5/16-24x5/8 Hex. Hd. Sc.
X-203	2	5/16 Lock Washer
MW-20	2	Frame Screw
X-199	2	1/4 Lock Washer

Comm. End Plate Assembly & Parts Used With

DA-39	2	Flat Oil Guard
DA-70	1	Armature Shaft Nut
DJ-10	1	End Cap Cover Gasket
GAG-53	1	Comm. End Cap Cover
(GAR-3175)	1	Comm. End Plate Assembly
GAL-51	2	3rd Brush Plate Retaining Spring
GAR-1012†	2	Brush - Main
GAR-1175	1	C. E. Plate Part Assembly
GAR-2176	1	3rd Brush Plate Assy.
GBJ-1013†	1	Brush - Third
8X-56	2	#8-32x7/16 Rd. Hd. Screw
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
GR-32	1	Felt Washer Retainer
GR-35	2	Felt Washer
X-195	2	#8 Lock Washer
X-295	1	BALL BEARING - S.A.E. #203
8X-305	2	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBS-2135F	1	ARMATURE ASSEMBLY
GAR-171	2	Snap Ring
GR-32	1	Felt Washer Retainer
SP-96C	1	Ventilating Fan
X-258	1	#3 Woodruff Key
X-261	2	#6 Woodruff Key

Drive End Head Assembly & Parts Used With

GAR-1062B	1	Drive End Head Assembly
GAR-62A	1	Drive End Head
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-295	1	BALL BRG.- S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Sc.
X-1270	3	#10 Skpf. Washer

Miscellaneous Parts

GAL-1024E	1	Head Band Assembly
TC-4310A	1	TWO CHARGE REGULATOR
X-196	4	#10 Lock Washer
8X-321	4	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 7-1-41)

† SERVICE BRUSH SET GBM-2012AS.

UNIT	APPLICATION
GBS-4606	Gray Marine

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GBS-4611 GENERATOR PARTS LIST GBS-4611

PRELIMINARY

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GBS-2121)	1	Frame & Field Assy.
GAL-44	1	Field Connection Ins.
GAR-29	2	Pole Piece
GAR-211	1	Insulating Bushing
GBS-1005	1	FIELD COIL ASSY.-Comp.
GBS-1007	1	Field Coil Assy.-Left
GAL-289	1	C.B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GBS-1008	1	Field Coil Assy.-Right
X-767	1	Terminal
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
MW-20	2	Frame Screw
X-199	2	1/4 Lock Washer

Comm. End Plate Assembly & Parts Used With

DA-39	1	Flat Oil Guard
DJ-4	1	Comm. End Cap Cover
DJ-10	1	End Cap Cover Gasket
GAJ-79	1	Bearing Spacer
(GAL-2213S)	1	Comm. End Plate Assy.
GAL-51	2	3rd Br. Plate Retaining Spring
GAL-1161	1	3rd Brush Plate Assy.
GAL-1213	1	C.E. Plate Part Assy.
GBM-1012A†	2	Brush - Main
GBM-1013A†	1	Brush - Third
8X-56	2	#8-32x7/16 Rd. Hd. Sc.
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Sc.
GR-32	1	Felt Washer Retainer
GR-35	1	Felt Washer
X-195	2	#8 Lock Washer
X-295	1	BALL BEARING - S.A.E. #203
8X-305	2	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler-Press in Type
X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Sc.
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DG-1144	1	Oil Thrower
GAA-69	1	Lock Spring Ring
GBS-2103	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
X-157	1	1/2-20 Slotted Nut
X-263	1	#8 Woodruff Key
X-358	1	1/2 Plain Steel Washer
X-404	1	3/32x1 Cotter Pin

Drive End Head Assembly & Parts Used With

GAR-1238	1	Drive End Head Assy.
GAE-47	1	Bearing Retainer
GAR-238	1	Drive End Head
8X-66	3	#10-32x1/2 Flat Hd. Sc.
X-378	1	BALL BEARING - OIL SEAL

Miscellaneous Parts

GAL-1024E	1	Head Band Assy.
TC-4303B	1	TWO CHARGE REGULATOR
X-196	4	#10 Lock Washer
8X-321	4	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 11-3-41)

† Service BRUSH SET GBM-2012AS.

UNIT	APPLICATION
GBS-4611	Worthington

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking su -parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAR-2270)	1	Frame & Field Assy.
GAL-44	1	Field Connection Ins.
GAL-1005W	1	Field Coil Assy. - Comp.
GAL-1007Y	1	Field Coil Assy. - Left
GAL-289	1	C.B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GAL-1008F	1	Field Coil Assy. - Right
X-767	1	Terminal
GAR-29	2	Pole Piece
GAR-211	1	Insulating Bushing
GK-38B	2	Pole Piece Screw
MN-21	2	Dowel Pin
MW-20A	2	Frame Screw
12X-199	2	1/4 Lock Washer

Comm. End Plate Assembly & Parts Used With

GAR-2165)	1	Comm. End Plate Assy.
GAL-51	2	3rd Brush Plate Retain'g Spring
GAR-73	1	Oil Wick
GAR-75	1	Oil Guard
GAR-78	1	Gasket
GAR-79A	1	C.E. Cap Cover
GAR-98A	1	Wick Cover
GAR-1072	1	3rd Brush Holder Plate Assembly
GAR-1165A	1	C.E. Plate Part Assy.
GBF-79	1	Absorbent Bronze Brg.
GBM-1012‡	2	Brush - Main
GBM-1013‡	1	Brush - Third
8X-56	2	#8-32x7/16 Rd. Hd. Screw
X-195	1	#8 Lock Washer
12X-196	3	#10 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
8X-870	3	#10-32x5/16 Fill. Hd. Sc.
X-195	2	#8 Lock Washer
8X-305	2	#8-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GBU-2116F	1	Armature Assembly
GAR-171	1	Snap Ring
GJ-104	1	Armature Shaft Spacer
GR-32	1	Felt Washer Retainer
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GAM-1101	1	Drive End Head Assy.
GAM-34	1	Oil Guard - Corrugated
GAM-101	1	Drive End Head
GAR-63	1	Felt Guard
GAR-64	1	Bearing Retainer
GG-164	2	Felt Washer
X-196	3	#10 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
8X-311	3	#10-32x3/8 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

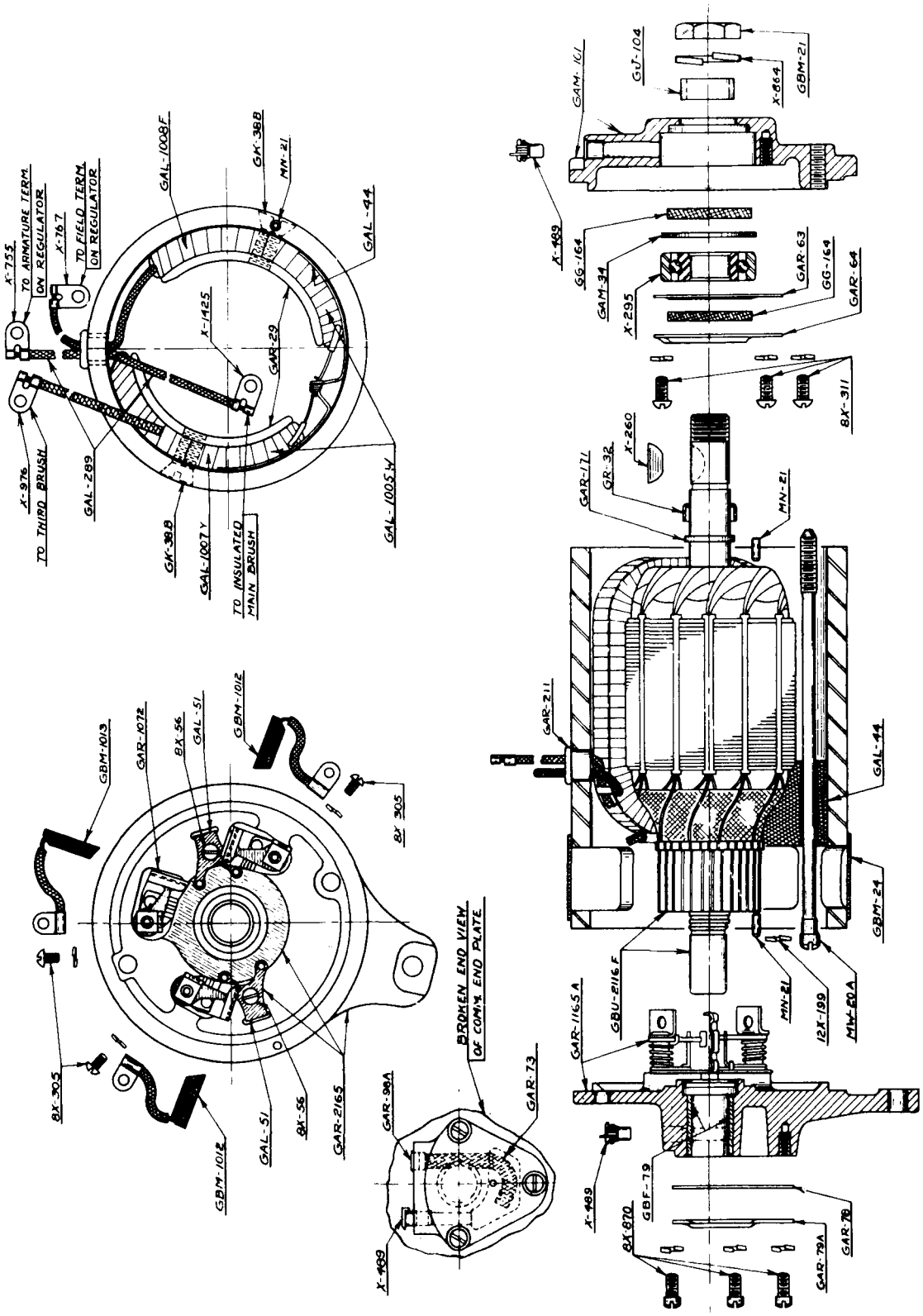
GBM-24	1	Head Band
TC-4301A	1	Two Charge Regulator
8X-321	4	#10-32x5/16 Rd. Hd. Screw
8X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
X-1270	4	#10 Skpf. Washer
		1 2 3 4 5

(Issued 7-15-35)
(R-5-10-37)

‡ Service Brush Set GBM-2012.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GBU-4201 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part 1 2 3 4 5
GAR-2270)	1	Frame & Field Assy.
GAL-44	1	Field Connection Ins.
GAL-1005W	1	Field Coil Assy. - Comp.
GAL-1007Y	1	Field Coil Assy. - Left
GAL-289	1	C.B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GAL-1008F	1	Field Coil Assy. - Right
X-767	1	Terminal
GAR-29	2	Pole Piece
GAR-211	1	Insulating Bushing
GK-38B	2	Pole Piece Screw
MN-21	2	Dowel Pin
MW-20A	2	Frame Screw
12X-199	2	1/4 Lock Washer

Comm. End Plate Assembly & Parts Used With

GAR-2165)	1	Comm. End Plate Assy.
GAL-51	2	3rd Brush Plate Retain'g Spring
GAR-73	1	Oil Wick
GAR-75	1	Oil Guard
GAR-78	1	Gasket
GAR-79A	1	C.E. Cap Cover
GAR-98A	1	Wick Cover
GAR-1072	1	3rd Brush Holder Plate Assembly
GAR-1165A	1	C.E. Plate Part Assy.
GBF-79	1	Absorbent Bronze Brg.
GBM-1012‡	2	Brush - Main
GBM-1013‡	1	Brush - Third
8X-56	2	#8-32x7/16 Rd. Hd. Screw
X-195	1	#8 Lock Washer
12X-196	3	#10 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
8X-870	3	#10-32x5/16 Fill. Hd. Sc.
X-195	2	#8 Lock Washer
8X-305	2	#8-32x1/4 Rd. Hd. Screw 1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part 1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GBU-2116F	1	Armature Assembly
GAR-171	1	Snap Ring
GJ-104	1	Armature Shaft Spacer
GR-32	1	Felt Washer Retainer
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GAM-1101	1	Drive End Head Assy.
GAM-34	1	Oil Guard - Corrugated
GAM-101	1	Drive End Head
GAR-63	1	Felt Guard
GAR-64	1	Bearing Retainer
GG-164	2	Felt Washer
X-196	3	#10 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
8X-311	3	#10-32x3/8 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

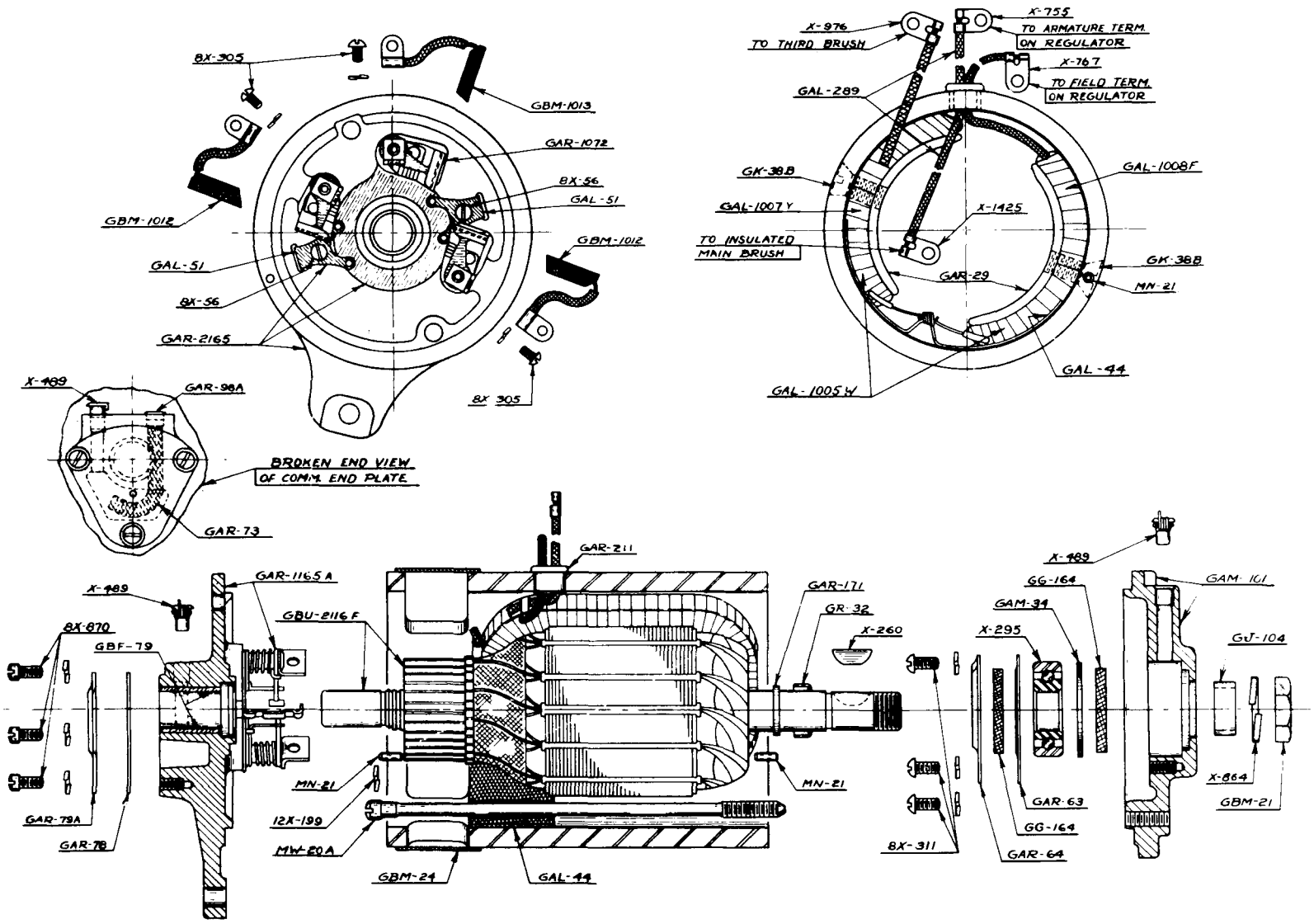
GBM-24	1	Head Band
TC-4301A	1	Two Charge Regulator
8X-321	4	#10-32x5/16 Rd. Hd. Screw
8X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
X-1270	4	#10 Skpf. Washer 1 2 3 4 5

(Issued 7-15-35)
(R-5-10-37)

‡ Service Brush Set GBM-2012.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GBU-4201 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GAR-2271)	1	Frame & Field Assy.
GAL-44	1	Field Connection Ins.
GAL-1005Z	1	Field Coil Assy. - Comp.
GAL-1007T	1	Field Coil Assy. - Left
GAL-298	1	C.B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GAL-1008F	1	Field Coil Assy. - Right
X-767	1	Terminal
GAR-29	2	Pole Piece
GAR-211	1	Insulating Bushing
GK-38B	2	Pole Piece Screw
MN-21	2	Dowel Pin
MW-20A	2	Frame Screw
12X-199	2	1/4 Lock Washer

Comm. End Plate Assembly & Parts Used With

(GAR-2163)	1	Comm. End Plate Assy.
GAL-51	2	3rd Brush Plate Retain'g Spring
GAR-73	1	Oil Wick
GAR-75	1	Oil Guard
GAR-78	1	Gasket
GAR-79A	1	C.E. Cap Cover
GAR-98A	1	Wick Cover
GAR-1072	1	3rd Brush Holder Plate Assembly
GAR-1163A	1	C.E. Plate Part Assy.
GBF-79	1	Absorbent Bronze Brg.
GBM-1012‡	2	Brush - Main
GBM-1013‡	1	Brush - Third
8X-56	2	#8-32x7/16 Rd. Hd. Screw
X-195	1	#8 Lock Washer
12X-196	3	#10 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
8X-870	3	#10-32x5/16 Fill. Hd. Sc.
X-195	2	#8 Lock Washer
8X-305	2	#8-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAR-1170	1	Oil Thrower
GBU-2272F	1	Armature Assembly

Drive End Head Assembly & Parts Used With

GAR-1162	1	Drive End Head Assembly
GAR-95	1	Felt Washer
GAR-162	1	Drive End Head
GX-9	1	D.E. Packing Retainer
GX-10	1	Gasket
X-196	3	#10 Lock Washer
8X-311	3	#10-32x3/8 Rd. Hd. Screw
X-378	1	Ball Brg. - S.A.E. #204 Oil Seal
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

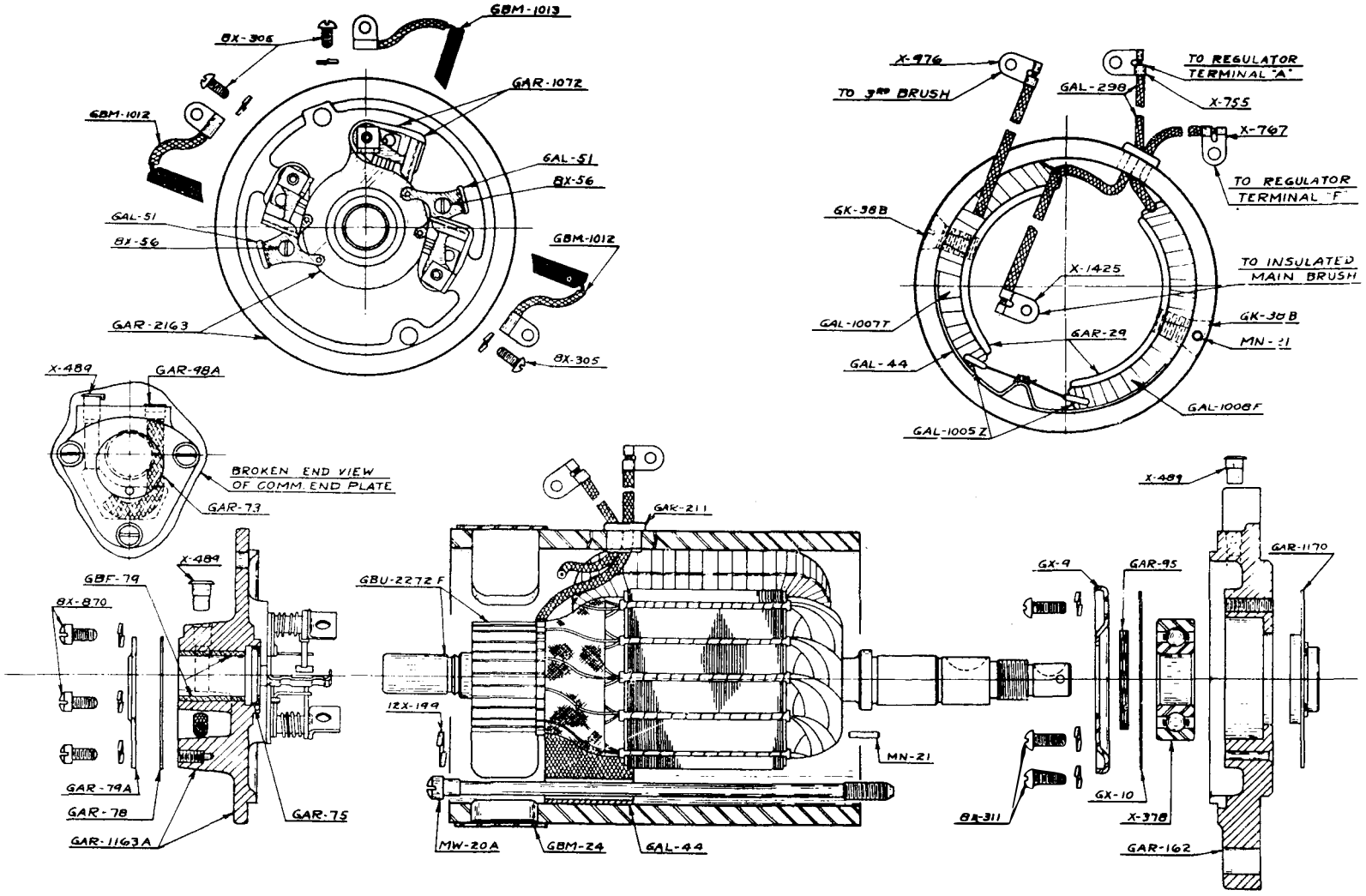
GBM-24	1	Head Band
TC-4301A	1	Two Charge Regulator
8X-321	4	#10-32x5/16 Rd. Hd. Screw
8X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
X-1270	4	#10 Skpf. Washer
		1 2 3 4 5

(Issued 7-15-35)
(R-5-10-37)

‡ Service Brush Set GBM-2012.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GBU-4202 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GAR-2117)	1	Frame & Field Assy.
GAL-44	1	Field Connection Ins.
GAL-1005W	1	Field Coil Assy. - Comp.
GAL-1007Y	1	Field Coil Assy. - Left
GAL-289	1	C.B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GAL-1008F	1	Field Coil Assy. - Right
X-767	1	Terminal
GAR-29	2	Pole Piece
GAR-211	1	Insulating Bushing
GK-38B	2	Pole Piece Screw
MN-21	2	Dowel Pin
MW-20A	2	Frame Screw
12X-199	2	1/4 Lock Washer

Comm. End Plate Assembly & Parts Used With

(GAR-2163)	1	Comm. End Plate Assy.
GAL-51	2	3rd Brush Plate Retain'g Spring
GAR-73	1	Oil Wick
GAR-75	1	Oil Guard
GAR-78	1	Gasket
GAR-79A	1	C.E. Cap Cover
GAR-98A	1	Wick Cover
GAR-1072	1	3rd Brush Holder Plate Assembly
GAR-1163A	1	C.E. Plate Part Assy.
GBF-79	1	Absorbent Bronze Brg.
GBM-1012‡	2	Brush - Main
GBM-1013‡	1	Brush - Third
8X-56	2	#8-32x7/16 Rd. Hd. Screw
X-195	1	#8 Lock Washer
12X-196	3	#10 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
8X-870	3	#10-32x5/16 Fill. Hd. Sc.
X-195	2	#8 Lock Washer
8X-305	2	#8-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAL-1279	1	Oil Thrower
GBU-2277F	1	Armature Assembly
GAR-171	1	Snap Ring
GK-215	1	7/16 Plain Washer
GR-32	1	Felt Washer Retainer
X-258	1	#3 Woodruff Key
X-404	1	3/32x1 Cotter Pin
X-1380	1	7/16-20 Castellated Nut

Drive End Head Assembly & Parts Used With

GAL-1280	1	Drive End Head Assy.
GAL-280	1	Drive End Head
GG-6	1	Felt Guard - With Oil Well
GG-164	1	Felt Washer
GK-85	1	Paper Gasket
X-196	3	#10 Lock Washer
8X-311	3	#10-32x3/8 Rd. Hd. Screw
X-441	1	Ball Brg. - N.D. 7503

Miscellaneous Parts

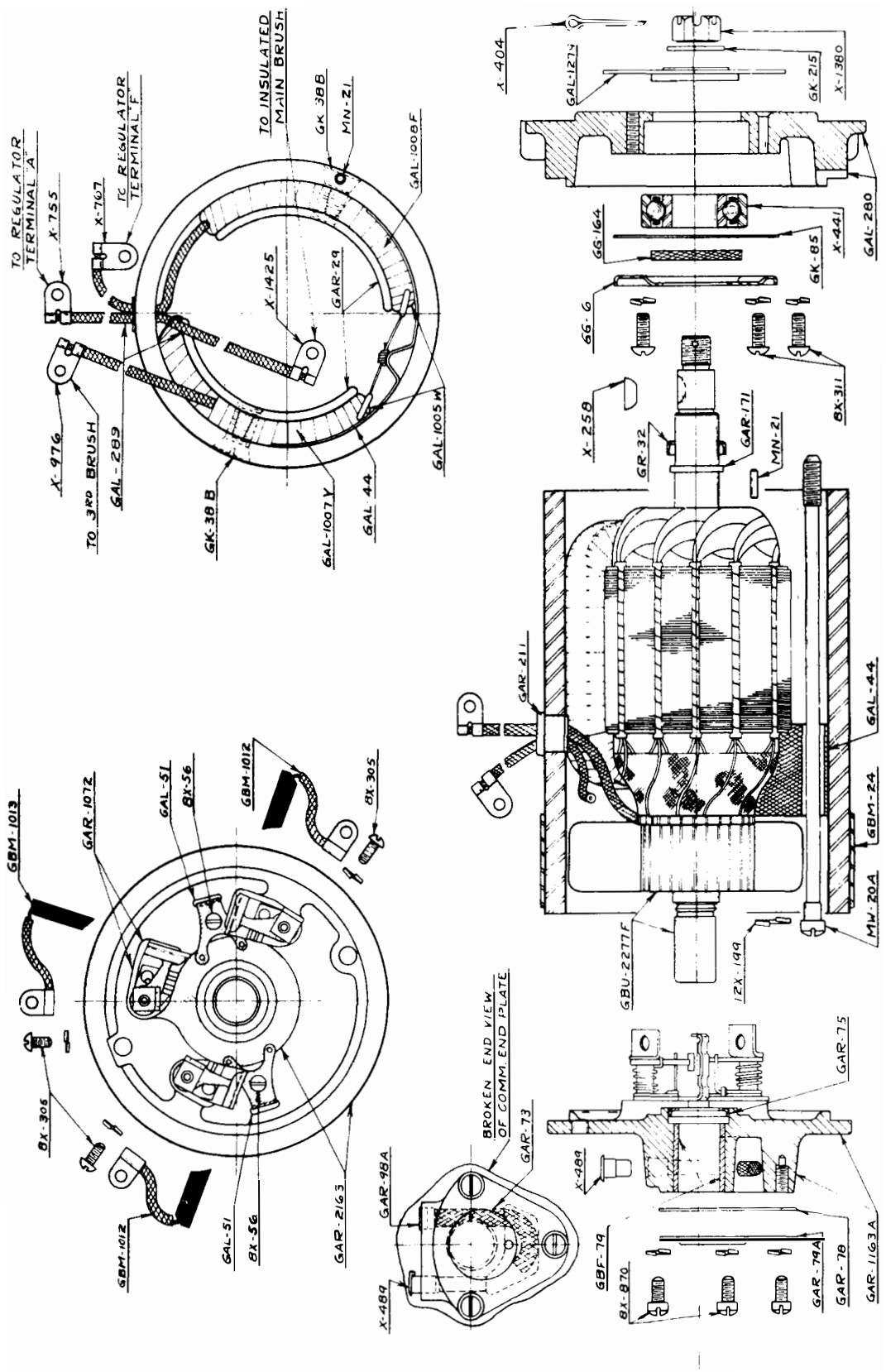
GBM-24	1	Head Band
TC-4301A	1	Two Charge Regulator
8X-321	4	#10-32x5/16 Rd. Hd. Screw
8X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
X-1270	4	#10 Skpf. Washer
		1 2 3 4 5

(Issued 7-15-35)
(R-5-10-37)

‡ Service Brush Set GBM-2012.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GBU-4204 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GAR-2117)	1	Frame & Field Assy.
GAL-44	1	Field Connection Ins.
GAL-1005W	1	Field Coil Assy. - Comp.
GAL-1007Y	1	Field Coil Assy. - Left
GAL-289	1	C.B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GAL-1008F	1	Field Coil Assy. - Right
X-767	1	Terminal
GAR-29	2	Pole Piece
GAR-211	1	Insulating Bushing
GK-38B	2	Pole Piece Screw
MN-21	2	Dowel Pin
MW-20A	2	Frame Screw
12X-199	2	1/4 Lock Washer

Comm. End Plate Assembly & Parts Used With

(GAR-2163)	1	Comm. End Plate Assy.
GAL-51	2	3rd Brush Plate Retain'g Spring
GAR-73	1	Oil Wick
GAR-75	1	Oil Guard
GAR-78	1	Gasket
GAR-79A	1	C.E. Cap Cover
GAR-98A	1	Wick Cover
GAR-1072	1	3rd Brush Holder Plate Assembly
GAR-1163A	1	C.E. Plate Part Assy.
GBF-79	1	Absorbent Bronze Brg.
GBM-1012‡	2	Brush - Main
GBM-1013‡	1	Brush - Third
8X-56	2	#8-32x7/16 Rd. Hd. Screw
X-195	1	#8 Lock Washer
12X-196	3	#10 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
8X-870	3	#10-32x5/16 Fill. Hd. Sc.
X-195	2	#8 Lock Washer
8X-305	2	#8-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAL-1279	1	Oil Thrower
GBU-2277F	1	Armature Assembly
GAR-171	1	Snap Ring
GK-215	1	7/16 Plain Washer
GR-32	1	Felt Washer Retainer
X-258	1	#3 Woodruff Key
X-404	1	3/32x1 Cotter Pin
X-1380	1	7/16-20 Castellated Nut

Drive End Head Assembly & Parts Used With

GAL-1280	1	Drive End Head Assy.
GAL-280	1	Drive End Head
GG-6	1	Felt Guard - With Oil Well
GG-164	1	Felt Washer
GK-85	1	Paper Gasket
X-196	3	#10 Lock Washer
8X-311	3	#10-32x3/8 Rd. Hd. Screw
X-441	1	Ball Brg. - N.D. 7503

Miscellaneous Parts

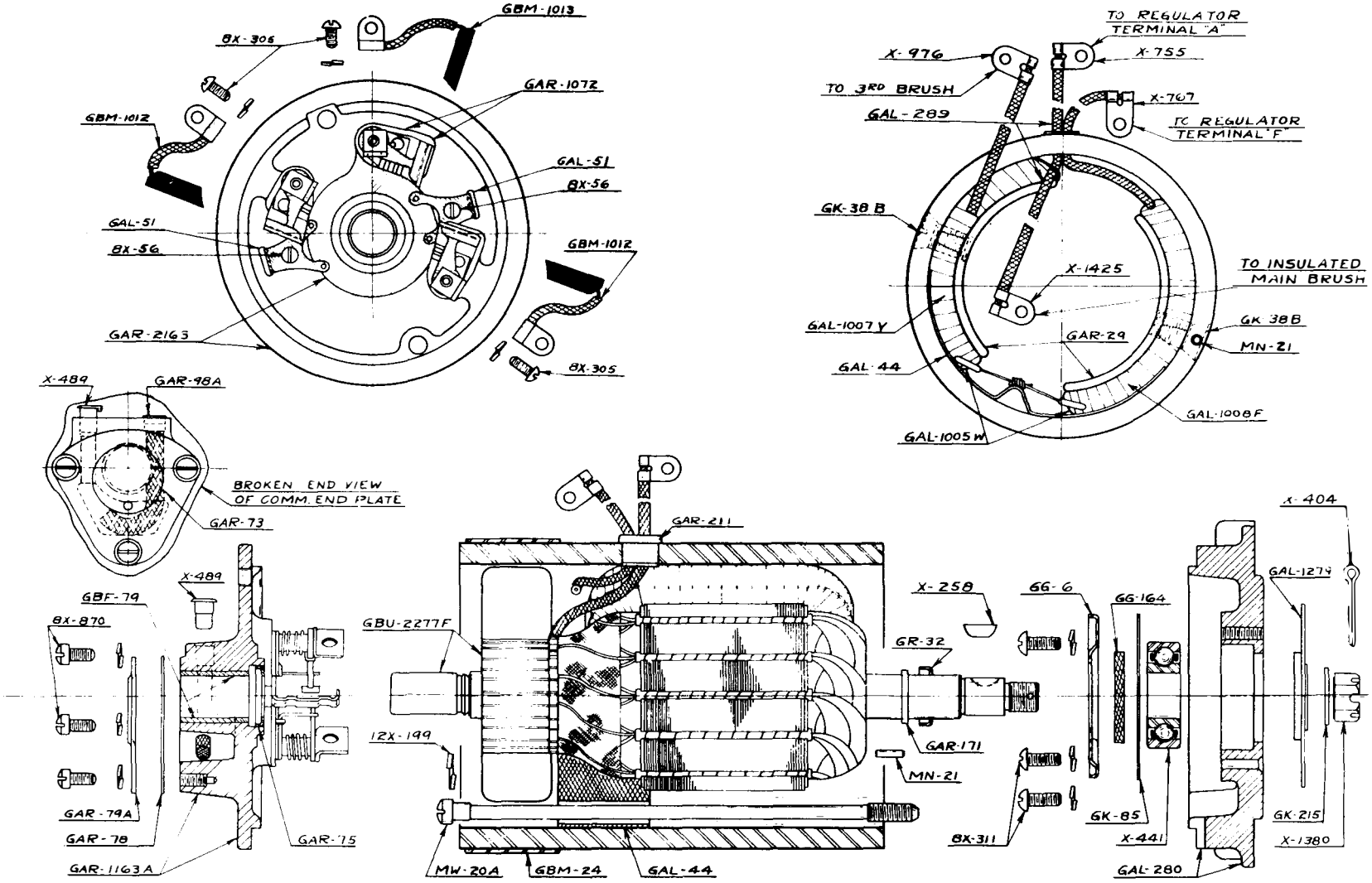
GBM-24	1	Head Band
TC-4301A	1	Two Charge Regulator
8X-321	4	#10-32x5/16 Rd. Hd. Screw
8X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
X-1270	4	#10 Skpf. Washer
		1 2 3 4 5

(Issued 7-15-35)
(R-5-10-37)

‡ Service Brush Set GBM-2012.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GBU-4204 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAL-225	1	Fuse Cover
(GAR-2111A)	1	Frame & Field Assy.
GAL-44	1	Field Connection Ins.
GAL-1005L	1	Field Coil Assy. - Comp.
GAL-1007L	1	Field Coil Assy. - Left
GAL-289	1	C.B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
GAL-1008D	1	Field Coil Assy. - Right
X-976	1	Terminal
GAL-1224	1	Fuse Holder
GAR-29	2	Pole Piece
GAR-211	1	Insulating Bushing
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-59	1	#8-32x3/16 Rd. Hd. Screw
X-195	1	#8 Lock Washer
MW-20	2	Frame Screw
X-199	2	1/4 Lock Washer
X-942	1	Fuse - 5 ampere

Comm. End Plate Assembly & Parts Used With

(GAR-2165A)	1	Comm. End Plate Assy.
GAL-51	2	3rd Brush Plate Retain'g Spring
GAR-73	1	Oil Wick
GAR-75	1	Oil Guard
GAR-78	1	Gasket
GAR-79	1	C.E. Cap Cover
GAR-98	1	Wick Cover
GAR-1072	1	3rd Brush Holder Plate Assembly
GAR-1165C	1	C.E. Plate Part Assy.
GBF-79	1	Absorbent Bronze Brg.
GBM-1012‡	2	Brush - Main
GBM-1013‡	1	Brush - Third
8X-56	2	#8-32x7/16 Rd. Hd. Screw
X-195	1	#8 Lock Washer
X-196	3	#10 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
8X-870	3	#10-32x5/16 Fill. Hd. Sc.
X-195	2	#8 Lock Washer
8X-305	2	#8-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GBU-2116	1	Armature Assembly
GAR-171	1	Snap Ring
GR-32	1	Felt Washer Retainer
SP-229	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GAM-1101A	1	Drive End Head Assy.
GAM-34	1	Oil Guard - Corrugated
GAM-101A	1	Drive End Head
GAR-63	1	Felt Guard
GAR-64	1	Bearing Retainer
GG-164	2	Felt Washer
X-196	3	#10 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
8X-311	3	#10-32x3/8 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

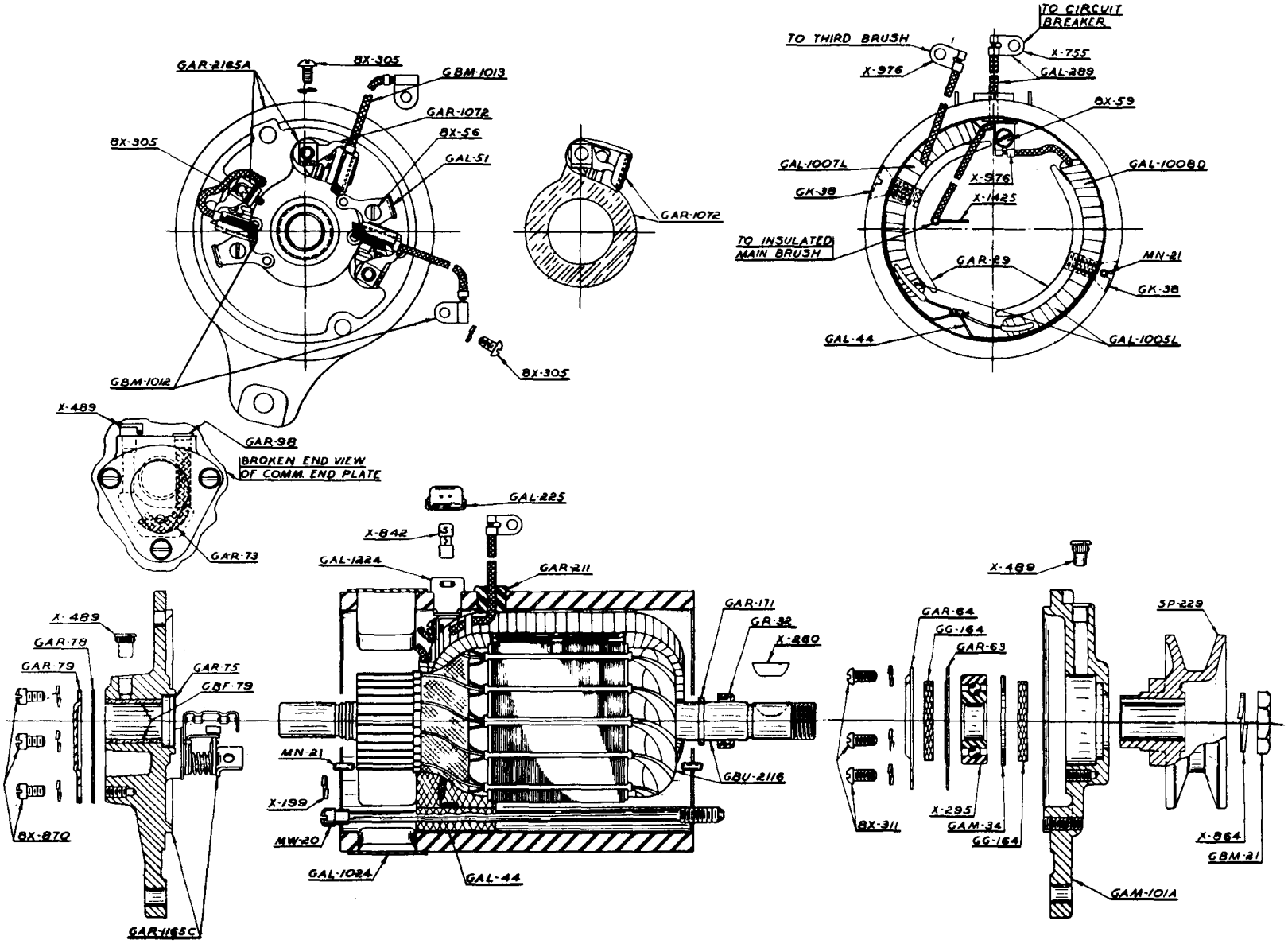
CB-4014	1	Circuit Breaker Assy.
CB-123	1	Armature Spring
CB-160	1	C.B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Screw
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Screw
GAL-1024	1	Head Band Assy.
X-196	2	#10 Lock Washer
8X-321	2	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 12-29-36)

‡ Service Brush Set GBM-2012.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GBU-4208 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GAR-2332)	1	Frame & Field Assembly
GAL-44	1	Field Connection Ins.
GAL-1005W	1	Field Coil Assy. - Comp.
GAL-1007Y	1	Field Coil Assy. - Left
GAL-289	1	C.B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GAL-1008F	1	Field Coil Assy. - Right
X-767	1	Terminal
GAR-29	2	Pole Piece
GAR-211	1	Insulating Bushing
GK-38B	2	Pole Piece Screw
MN-21	2	Dowel Pin
MW-20	2	Frame Screw
X-199	2	1/4 Lock Washer

Comm. End Plate Assembly & Parts Used With

(GAR-2165A)	1	Comm. End Plate Assembly
GAL-51	2	3rd Brush Plate Retain'g Spring
GAR-73	1	Oil Wick
GAR-75	1	Oil Guard
GAR-78	1	Gasket
GAR-79	1	C.E. Cap Cover
GAR-98	1	Wick Cover
GAR-1012‡	2	Brush - Main
GAR-1072	1	3rd Brush Holder Plate Assembly
GAR-1165C	1	C.E. Plate Part Assy.
GBF-79	1	Absorbent Bronze Brg.
GBJ-1013‡	1	Brush - Third
8X-56	2	#8-32x7/16 Rd. Hd. Screw
X-195	1	#8 Lock Washer
X-196	3	#10 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
8X-870	3	#10-32x5/16 Fill. Hd. Sc.
X-195	2	#8 Lock Washer
8X-305	2	#8-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GBU-2116	1	Armature Assembly
GAR-171	1	Snap Ring
*	1	Armature Shaft Spacer
GR-32	1	Felt Washer Retainer
*	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GAM-1101A	1	Drive End Head Assy.
GAM-34	1	Oil Guard - Corrugated
GAM-101A	1	Drive End Head
GAR-63	1	Felt Guard
GAR-64	1	Bearing Retainer
GG-164	2	Felt Washer
X-196	3	#10 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
8X-311	3	#10-32x3/8 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

GAL-1024	1	Head Band Assembly
TC-4301B	1	Two Charge Regulator
X-196	4	#10 Lock Washer
8X-321	4	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

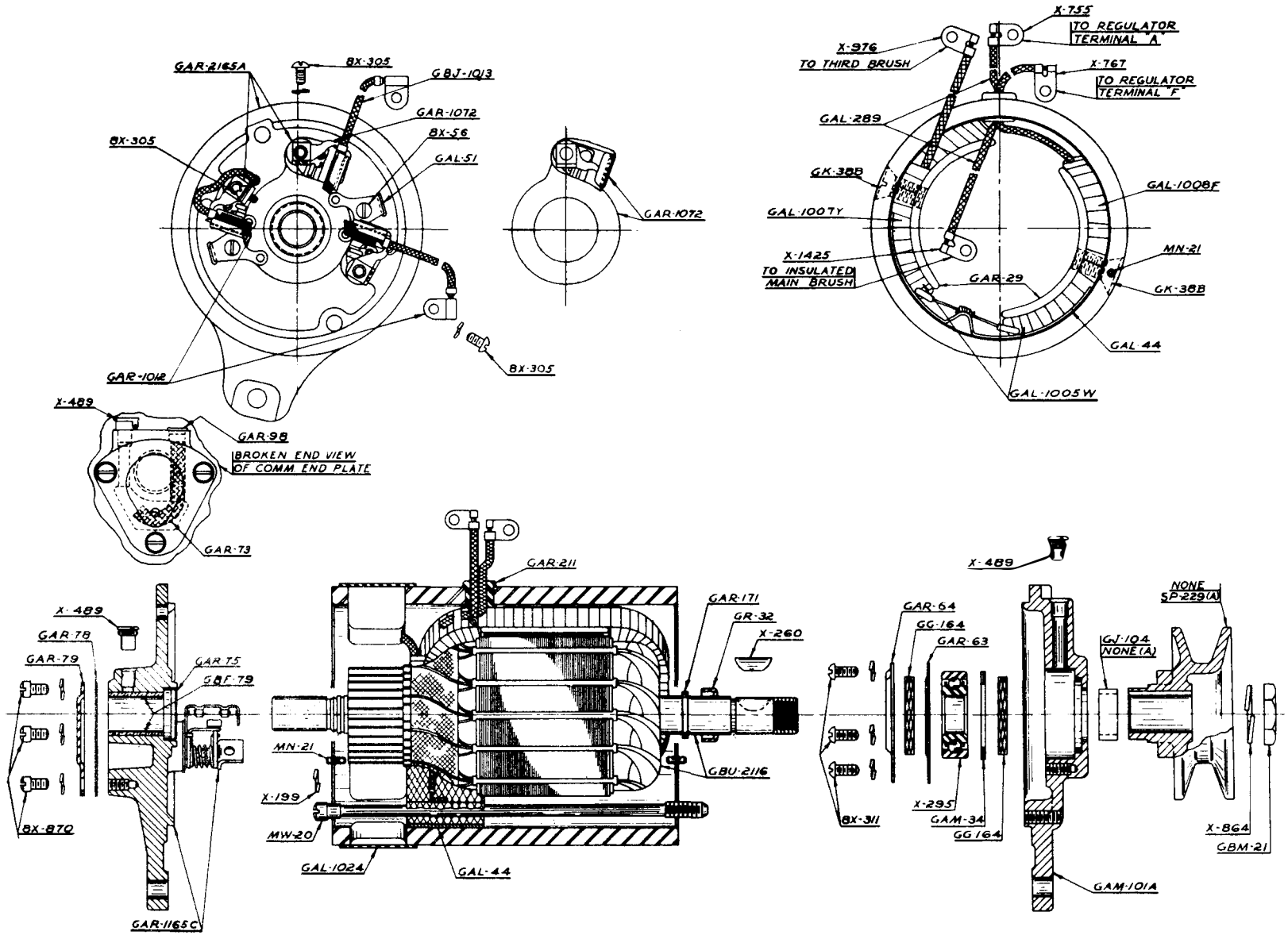
(Issued 6-21-37)

Assembly No.	Armature Shaft Spacer	Drive Pulley
GBU-4209	GJ-104	None
GBU-4209A	None	SP-229

‡ Service Brush Set GAR-2012S.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GBU-4209, A GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAL-225	1	Cover, Fuse
(GAR-2226)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GAL-1005L	1	Coil Assy., Field, Comp.
GAL-1007L	1	Coil Assy., Field, Left
GAL-289	1	Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GAL-1008D	1	Coil Assy., Field, Right
X-976	1	Terminal
GAL-1224	1	Holder, Fuse
GAR-211	1	Bushing, Insulating
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel, Head Locating
8X-59	1	Screw, Field Lead, Rd. hd., #8-32x3/16
X-195	1	Washer, Lock, Field Lead, #8
MW-20A	2	Bolt, Thru
X-199	2	Washer, Lock, Thru Bolt, 1/4
X-842	1	Fuse, 5 Amps.

Comm. End Head Assembly & Parts Used With

(GAR-2165)	1	Head Assy., Comm. End
GAL-51	2	Spring, Retaining, 3rd Brush Plate
GAR-73	1	Wick, Felt
GAR-78	1	Gasket, Cover
GAR-79A	1	Cover, Comm. End
GAR-98A	1	Cover, Wick
GAR-1072	1	Plate, 3rd Brush
GAR-1165A	1	Head Assy., Partial, C.E.
GBF-79	1	Bearing, Absorbent Bronze
GBM-1012‡	2	Brush, Main
GBM-1013‡	1	Brush, Third
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
8X-56	2	Screw, Plate Retaining, Rd. hd., #8-32x7/16
12X-196	3	Washer, Lock, Cover Sc., #10
X-489	1	Oiler, Hinge Top, Press in, 1/4
8X-870	3	Screw, Cover, Fil. hd., #10-32x5/16
X-195	3	Washer, Lock, Brush Lead, #8
8X-305	3	Screw, Brush Lead, Rd. hd., #8-32x1/4
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Nut, Armature Shaft
GBU-2116	1	Armature Assy.
GAR-171	1	Snap Ring
GJ-104	1	Spacer, Armature Shaft
GR-32	1	Retainer, Felt Washer
X-260	1	Key, Woodruff, #5
X-864	1	Washer, Lock, Arm. Shaft, .669

Drive End Head Assembly & Parts Used With

GAM-1101A	1	Head Assy., Drive End
GAM-34	1	Retainer, Felt Washer, Outer
GAM-101A	1	Head
GAR-63	1	Retainer, Felt Washer, Inner
GAR-64	1	Retainer, Bearing
GG-164	2	Washer, Felt
X-196	3	Washer, Lock, Retainer Sc., #10
X-295	1	Bearing, Ball, S.A.E. #203
8X-311	3	Screw, Retainer, Rd. hd., #10-32x3/8
X-489	1	Oiler, Hinge Top, Press in, 1/4

Miscellaneous Parts

CB-4014	1	Relay Assy., Cutout
CB-123	1	Spring, Armature
CB-160S	1	Cover
PX-55	1	Screw, Arm. Term., Bdg. hd., #10-32x3/16
X-196	2	Washer, Lock, Term. Sc., #10
8X-312	1	Screw, Bat. Term., Rd. hd., #10-32x1/4
GAL-1024B	1	Band, Cover
X-196	2	Washer, Lock, Cutout Relay Mtg., #10
8X-308	1	Screw, Cover Band, Rd. hd., #10-32x1 3/8
8X-321	2	Screw, Mtg., Cutout Relay, Rd. hd., #10-32x5/16
8X-794	1	Nut, Cover Band, Square, #10-32
		1 2 3 4 5

(Issued 3-14-44)

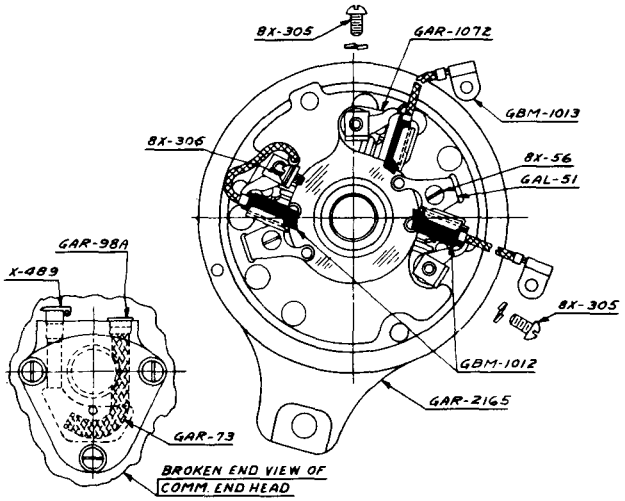
‡ Brush Set, Service, GBM-2012.

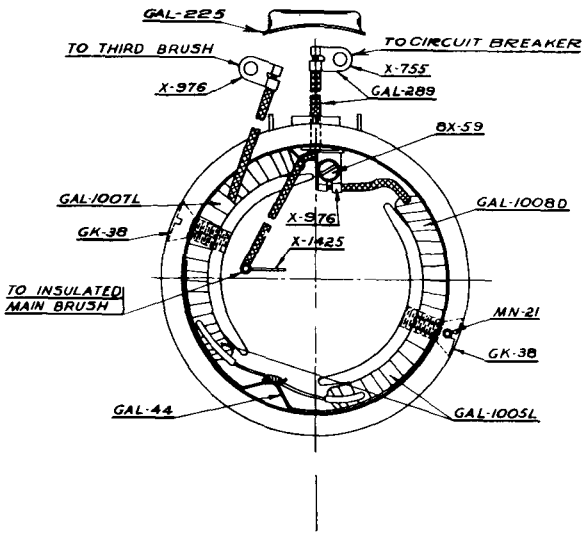
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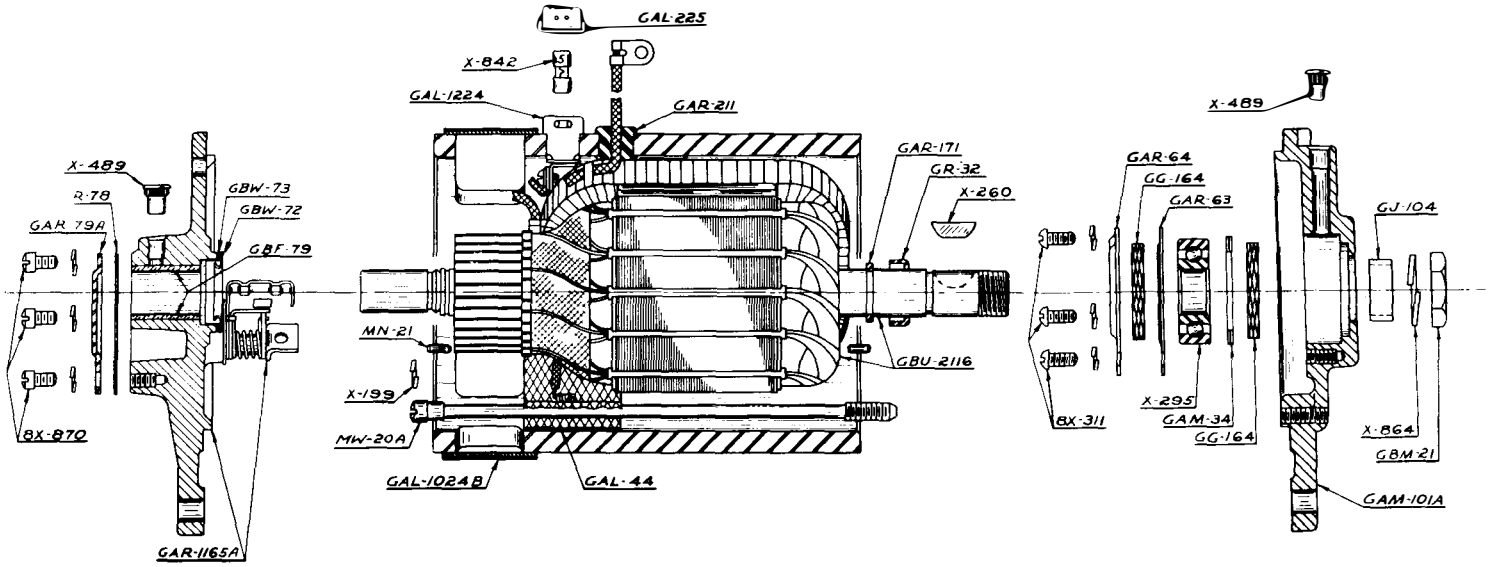
"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

File in Equipment & Parts List Binder

GBU-4210 GENERATOR ILLUSTRATION







Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAL-225	1	Cover, Fuse
(GAR-3230)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GAL-1224	1	Holder, Fuse
GAL-2005L	1	Coil Assy., Field, Comp.
GAL-1007W	1	Coil Assy., Field, Left
GAL-298	1	Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GAL-1008D	1	Coil Assy., Field, Right
X-976	1	Terminal
GAR-211	1	Bushing, Insulating
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel, Head Locating
8 X-59	1	Screw, Field Lead, Rd. hd., #8-32x3/16
X-195	1	Washer, Lock, Field Lead, #8
MW-20A	2	Bolt, Thru
X-199	2	Washer, Lock, Thru Bolt, 1/4
X-842	1	Fuse, 5 Amperes

Comm. End Head Assembly & Parts Used With

(GAR-3164A)	1	Head Assy., Comm. End
GAL-51	2	Spring, Retaining, 3rd. Brush Plate
GAR-73	1	Wick, Felt
GAR-78	1	Gasket, Cover
GAR-79	1	Cover, Comm. End
GAR-98A	1	Cover, Wick
GAR-1012‡	2	Brush, Main
GAR-1072L	1	Plate, 3rd. Brush
GAR-1164C	1	Head Assy., Partial, C.E.
GBF-79	1	Bearing, Absorbent Bronze
GBJ-1013‡	1	Brush, Third
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
8X-56	2	Screw, Plate Retaining, Rd. hd., #8-32x7/16
12X-196	3	Washer, Lock, Cover Screw, #10
X-489	1	Oiler, Hinge Top, Press in, 1/4
8X-870	3	Screw, Cover, Fil. hd., #10-32x5/16
X-195	3	Washer, Lock, Brush Lead, #8
8X-305	3	Screw, Brush Lead, Rd. hd., #8-32x1/4
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAR-1177	1	Oil Thrower
GBU-2227	1	Armature
X-157	1	Nut, Armature Shaft, Hex., 1/2-20
X-263	1	Key, Woodruff, #8
X-358	1	Washer, Plain, Arm. Shaft, 1/2
X-404	1	Pin, Cotter, 3/32x1

Drive End Head Assembly & Parts Used With

GAR-1229	1	Head Assy., Drive End
GAR-229	1	Head
GX-9	1	Retainer, Bearing
GX-10	1	Gasket
X-196	3	Washer, Lock, Retainer Screw, #10
8X-311	3	Screw, Retainer, Rd. hd., #10-32x3/8
X-378	1	Bearing, Ball, Shielded, S.A.E. #204

Miscellaneous Parts

CB-4014	1	Relay Assy., Cutout
CB-123	1	Spring, Armature
CB-160S	1	Cover
PX-55	1	Screw, Arm. Term., Bdg. hd., #10-32x3/16
X-196	2	Washer, Lock, Term. Sc., #10
8X-312	1	Screw, Bat. Term., Rd. hd., #10-32x1/4
GAL-1024C	1	Band, Cover
X-196	2	Washer, Lock, Cutout Relay Mtg., #10
8X-321	2	Screw, Mtg., Cutout Relay, Rd. hd., #10-32x5/16
X-715	1	Screw, Cover Band, Rd. hd., #10-32x1 1/4
8X-794	1	Nut, Cover Band, Square, #10-32
		1 2 3 4 5

(Issued 3-14-44)

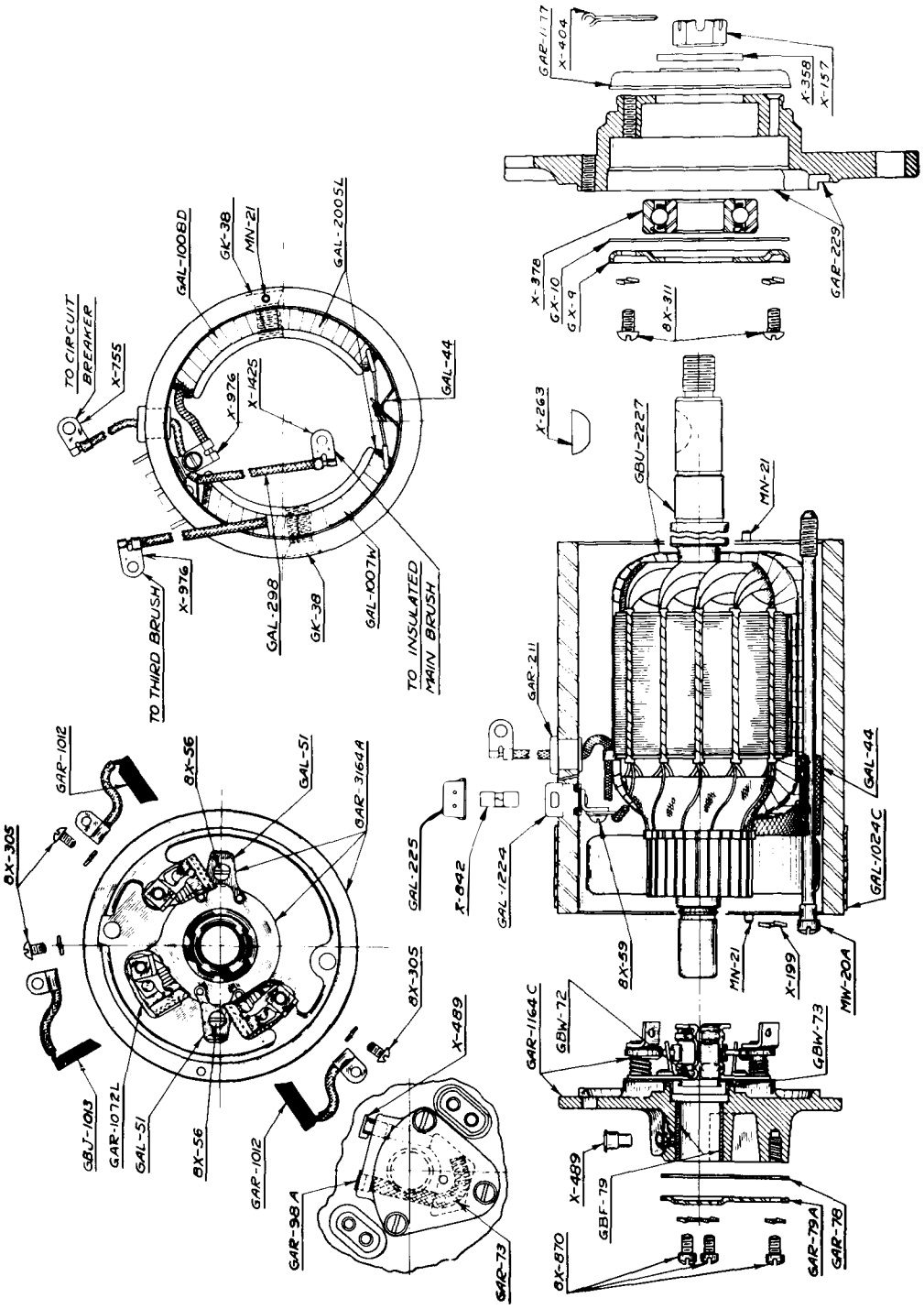
‡ Brush Set, Service, GAR-2012S.

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

File in Equipment & Parts List Binder

GBU-4211 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GAL-225	1	Fuse Cover
(GAR-2232)	1	Frame & Field Assy.
GAL-44	1	Field Connection Ins.
GAL-1005L	1	FIELD COIL ASSY., COMPLETE
GAL-1007L	1	Field Coil Assy., Left
GAL-289	1	Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GAL-1008D	1	Field Coil Assy., Right
X-976	1	Terminal
GAL-1224	1	Fuse Holder
GAR-211	1	Insulating Bushing
GK-38	2	Pole Shoe Screw
MN-21	2	Dowel Pin
8X-59	1	#8-32x3/16 Rd. Hd. Sc.
12X-195	1	#8 Lockwasher
MW-20A	2	Thru Bolt
X-199	2	1/4 Lockwasher
X-842	1	Fuse, 5 Amp.

Comm. End Head Assembly & Parts Used With

GAR-2165	1	Comm. End Head Assy.
GAL-51	2	3rd Brush Plate Retaining Spring
GAR-73	1	Oil Wick
GAR-78	1	Gasket, Cover
GAR-79A	1	C.E. Cap Cover
GAR-98A	1	Wick, Cover
GAR-1072	1	3rd. Brush Holder Plate Assy.
GAR-1165A	1	C.E. Head Part Assy.
GBF-79	1	ABSORBENT BRONZE BRG.
GBM-1012†	2	Brush, Main
GBM-1013†	1	Third, Brush
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
8X-56	2	#8-32x7/16 Rd. Hd. Sc.
12X-196	3	#10 Lockwasher
X-489	1	1/4 Oiler
8X-870	3	#10-32x5/16 Fill. Hd. Sc.
X-195	3	# 8 Lockwasher
8X-305	3	#8-32x1/4 Rd. Hd. Sc.

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GBM-21B	1	Armature Shaft Nut
GBU-2116F	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GJ-104	1	Armature Shaft Spacer
GR-32	1	Felt Washer Retainer
X-260	1	#5 Woodruff Key
X-864	1	.669 Lockwasher

Drive End Head Assembly & Parts Used With

GAR-1231	1	Drive End Head Assy.
GAM-34A	1	Oil Guard, Corrugated
GAR-63	1	Felt Guard
GAR-64	1	Bearing Retainer
GAR-231	1	Drive End Head
GG-164	2	Felt Washer
X-196	3	#10 Lockwasher
X-295	1	BALL BEARING, S.A.E. #203
8X-311	3	#10-32x3/8 Rd. Hd. Sc.
X-489	1	1/4 Oiler

Miscellaneous Parts

CB-4014	1	RELAY ASSY., CUTOUT
CB-123	1	Armature Spring
CB-160S	1	Cover, Relay
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	2	#10 Lockwasher
8X-312	1	#10-32x1/4 Rd. Hd. Sc.
GAL-1024B	1	Cover Band
X-196	2	#10 Lockwasher
8X-321	2	#10-32x5/16 Rd. Hd. Sc.
8X-714	1	#10-32x1 1/2 Rd. Hd. Sc.
8X-794	1	#10-32 Square Nut

† BRUSH SET, SERVICE GBM-2012.

UNIT	APPLICATION
GBU-4212	Buda, Hanson Clutch & Machine Co.

(Issued 4-13-50)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GAR-2332)	1	Frame & Field Assembly
GAL-44	1	Field Connection Ins.
GAL-1005W	1	FIELD COIL ASSY.- Comp.
GAL-1007Y	1	Field Coil Assy.-Left
GAL-289	1	C.B. Lead Assembly
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GAL-1008F	1	Field Coil Assy.-Right
X-767	1	Terminal
GAR-29	2	Pole Piece
GAR-211	1	Insulating Bushing
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
MW-20	2	Frame Screw
X-199	2	1/4 Lock Washer

Comm. End Plate Assy. & Parts Used With

(GAR-2165)	1	Comm. End Plate Assembly
GAL-51	2	3rd Brush Plate Retaining Spring
GAR-73	1	Oil Wick
GAR-75	1	Oil Guard
GAR-78	1	Gasket
GAR-79A	1	C. E. Cap Cover
GAR-98A	1	Wick Cover
GAR-1072	1	3rd Brush Holder Plate Assembly
GAR-1165A	1	C. E. Plate Part Assy.
GBF-79	1	ABSORBENT BRONZE BRG.
GBM-1012‡	2	Brush - Main
GBM-1013‡	1	Brush - Third
8X-56	2	#8-32x7/16 Rd. Hd. Sc.
X-195	1	#8 Lock Washer
12X-196	3	#10 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Sc.
X-489	1	1/4 Oiler - Press in Type
8X-870	3	#10-32x5/16 Fill. Hd. Sc.
X-195	2	#8 Lock Washer
8X-305	2	#8-32x1/4 Rd. Hd. Screw

Armature Assembly & Parts Used With

GBM-21	1	Armature Shaft Nut
GBU-2116	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GR-32	1	Felt Washer Retainer
SP-298	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer
		1 2 3 4 5

Drive End Head Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAM-1101A	1	Drive End Head Assembly
GAM-34	1	Oil Guard - Corrugated
GAM-101A	1	Drive End Head
GAR-63	1	Felt Guard
GAR-64	1	Bearing Retainer
GG-164	2	Felt Washer
X-196	3	#10 Lock Washer
X-295	1	BALL BRG. - S.A.E. #203
8X-311	3	#10-32x3/8 Rd. Hd. Sc.
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

GAL-1024	1	Head Band Assembly
TC-4301B	1	TWO CHARGE REGULATOR
X-196	4	#10 Lock Washer
8X-321	4	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 5-2-40)

‡ Service BRUSH SET GBM-2012AS.

UNIT	APPLICATION
GBU-4213A	Towmotor, Inc.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GBU-4213A GENERATOR ILLUSTRATION

Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GAR-2285)	1	Frame & Field Assembly
GAL-44	1	Field Connection Ins.
GAL-1005W	1	FIELD COIL ASSY.- Comp.
GAL-1007Y	1	Field Coil Assy.-Left
GAL-289	1	C.B. Lead Assembly
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GAL-1008F	1	Field Coil Assy.-Right
X-767	1	Terminal
GAR-29	2	Pole Piece
GAR-211	1	Insulating Bushing
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
MW-20	2	Frame Screw
X-199	2	1/4 Lock Washer

Comm. End Plate Assy. & Parts Used With

(GAR-2163A)	1	Comm. End Plate Assembly
GAL-51	2	3rd Brush Plate Retaining Spring
GAR-73	1	Oil Wick
GAR-75	1	Oil Guard
GAR-78	1	Gasket
GAR-79B	1	C. E. Cap Cover
GAR-98A	1	Wick Cover
GAR-1012‡	2	Brush - Main
GAR-1072	1	3rd Brush Holder Plate Assembly
GAR-1163C	1	C. E. Plate Part Assy.
GBF-79	1	ABSORBENT BRONZE BRG.
GBJ-1013‡	1	Brush - Third
8X-56	2	#8-32x7/16 Rd. Hd. Screw
8X-62	3	#10-32x3/8 Flat Hd. Sc.
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
X-195	2	#8 Lock Washer
8X-305	2	#8-32x1/4 Rd. Hd. Screw

Armature Assembly & Parts Used With

GAR-1177	1	Oil Thrower Assembly
GBU-2240	1	ARMATURE ASSEMBLY
X-156	1	1/2-20 Castellated Nut
X-263	1	#8 Woodruff Key
X-358	1	1/2 Plain Steel Washer
X-404	1	3/32x1 Cotter Pin
		1 2 3 4 5

Drive End Head Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAR-1096	1	Drive End Head Assembly
GAR-95	1	Felt Washer
GAR-96	1	Drive End Head
GX-9	1	D. E. Packing Retainer
GX-10	1	Gasket
X-196	3	#10 Lock Washer
8X-311	3	#10-32x3/8 Rd. Hd. Screw
X-378	1	BALL BRG.- S.A.E. #204
		Oil Seal

Miscellaneous Parts

GAL-1024	1	Head Band Assembly
TC-4301B	1	TWO CHARGE REGULATOR
X-196	4	#10 Lock Washer
8X-321	4	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

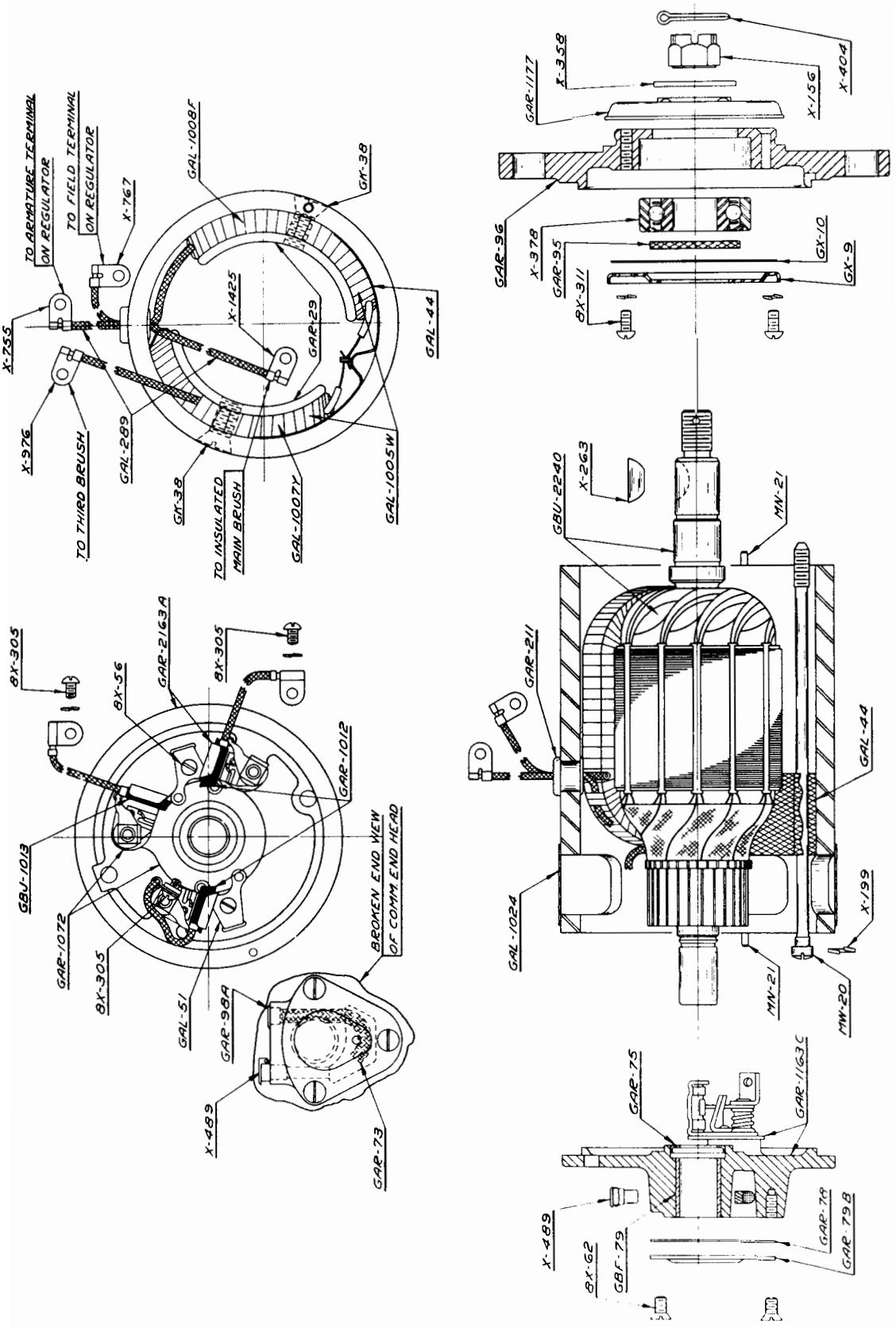
(Issued 5-2-40)

‡ Service BRUSH SET GEM-2012AS.

UNIT	APPLICATION
GBU-4214	Hercules, Worthington

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GBU-4214 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GAR-2348S	1	Frame & Field Assembly
GAL-44	1	Insulation, Field Connection
GAL-1005W	1	COIL ASSEMBLY, FIELD, COMPLETE
GAL-1007Y	1	Coil Assy., Field, Left
GAL-289	1	Lead Assembly
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GAL-1008F	1	Coil Assy., Field, Right
X-767	1	Terminal
GAR-211	1	Bushing, Insulating
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
MW-20A	2	Bolt, Thru
12X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

GAR-2012S	1	BRUSH SET, SERVICE
GAR-2165S	1	Head Assy., Comm. End
GAL-51	2	Spring, Retaining, 3rd Brush Plate
GAR-73	1	Wick, Felt
GAR-78	1	Gasket, C.E. Cover
GAR-79A	1	Cover, Comm. End
GAR-98A	1	Cover, Wick
GAR-1072	1	Plate, 3rd Brush
GAR-1165A	1	Head Assy., Partial, C.E.
GBF-79	1	BEARING, ABSORBENT BRONZE
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Retaining
8X-56	2	Screw, Retaining Spring, Rd. Hd. #8-32x7/16
12X-196	3	Lockwasher, Cover Sc., #10
X-489	1	Oiler
8X-870	3	Screw, C.E. Cover, Fill. Hd. #10-32x5/16
12X-195	3	Lockwasher, Lead Screw, #8
8X-305	3	Screw, Brush Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

*	1	Nut, Arm. Shaft, D.E.
GBU-2116F	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GJ-104	1	Spacer, Arm. Shaft
GR-32	1	Retainer, Felt Washer
*	1	Pulley, Drive
X-260	1	Key, Woodruff, C.E., #5
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

Part No.	No. Used	Name of Part
GAM-1101D	1	Head Assy., Drive End
GAM-101	1	Head, Drive End
GBM-124	1	Gasket, Brg. Retainer
GBM-125	1	Retainer, Felt Washer, Inner
GBM-127	1	Retainer, Bearing
GBM-128	1	Retainer, Felt Washer, Outer
GG-164A	2	Washer, Felt
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
12X-196	3	Lockwasher, Retainer Screw, #10
X-441	1	BEARING BALL, SHIELDED, S.A.E. #203
X-2961	1	Oiler

Miscellaneous Parts

GAL-1024	1	Band, Cover
TC-4301B	1	REGULATOR, TWO CHARGE
12X-196	4	Lockwasher, Mtg. Screw, #10
*	4	Screw, Regulator Mtg., Rd. Hd. #10-32x5/16
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

* See table following parts list for part number applying to assembly wanted.

Assembly No.	Armature Shaft Nut	Drive Pully	Rd. Hd. Screw
GBU-4216	GBM-21B	None	8X-321
GBU-4216A	SP-834	SP-786	8X-1515
GBU-4216B	GBM-21B	SP-861	8X-321

UNIT	APPLICATION
GBU-4216, A, B	Towmotor

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GBU-2001)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GAL-1005AN	1	COIL ASSY., FIELD, Comp.
GAL-1007L	1	Coil Assy., Field, Left
GAL-289	1	Lead Assy., C.B.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GAL-1008A	1	Coil Assy., Field, Right
X-959	1	Terminal
GAR-29	2	Pole Piece
GAR-211	1	Bushing, Insulating
GK-38	2	Screw, Pole Piece
MN-21	2	Pin, Dowel
8X-140	1	Nut, Hex., #6-32
X-194	1	Washer, Lock, #6
8X-1008	1	Screw, Rd. Hd., #6-32x9/16
MW-20A	2	Screw, Frame
X-199	2	Washer, Lock, Frame Screw, 1/4

Comm. End Head Assembly & Parts Used With

(GBM-2090)	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GAR-1014A	1	Plate, 3rd. Brush
GBM-1012A†	2	BRUSH, MAIN
GBM-1013A†	1	BRUSH, THIRD
GBM-1090A	1	Head Assy., Partial, Comm. End
GAR-219	1	Arm, Brush
GAR-221	1	Spring, Brush
GBF-79	1	BEARING, ABSORBENT BRONZE
GBM-1071R	1	Holder Assy., Main Brush
GAR-219	1	Arm, Brush
GAR-221	1	Spring, Brush
X-195	2	Washer, Lock, #8
8X-304	2	Screw, Rd. Hd., #8-32x 5/16
GBW-69	1	Gasket, Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Retaining
GBW-1068	1	Cover, Comm. End
GCJ-51	1	Spring, Retaining, 3rd. Brush Plate
X-195	5	Washer, Lock, #8
8X-305	1	Screw, Rd. Hd., #8-32x1/4
8X-311	1	Screw, Rd. Hd., #10-32x3/8
8X-888	4	Screw, Fill. Hd., #8-32x5/16
X 195	2	Washer, Lock, Brush Lead, #8
8X-305	2	Screw, Brush Lead, Rd-hd., #8-32x1/4
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Nut, Armature Shaft
GBU-2244	1	ARMATURE ASSY.
GAR-171	1	Snap Ring
GJ-104	1	Spacer, Arm. Shaft
GR-32	1	Retainer, Felt Washer
X-260	1	Key, Woodruff #5
X-864	1	Washer, Lock, Arm. Shaft, .669

Drive End Head Assembly & Parts Used With

GAM-1110	1	Head Assy., Drive End
GAM-34	1	Retainer, Felt Washer, Outer
GAM-110	1	Head
GAR-63	1	Retainer, Felt Washer, Inner
GAR-64	1	Retainer, Bearing
GG-164	2	Washer, Felt
X-196	3	Washer, Lock, #10
8X-311	3	Screw, Rd. Hd., #10-32x3/8
X-441	1	BEARING, BALL, SHIELDED, S.A.E. #203
X-489	1	Oiler, Press in Type, 1/4

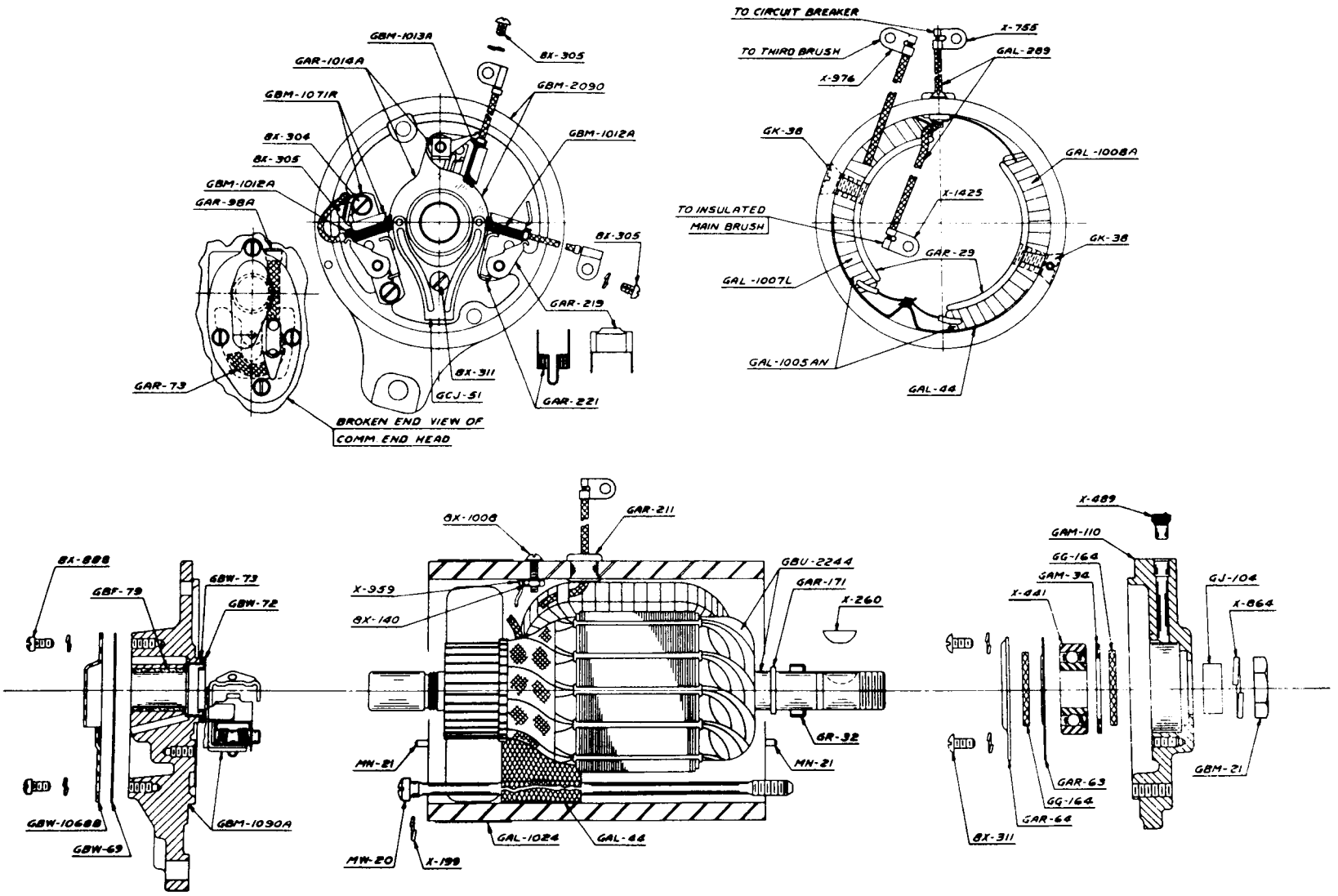
Miscellaneous Parts

CB-4014	1	CIRCUIT BREAKER
CB-123	1	Spring, Armature
CB-160S	1	Cover
PX-55	1	Screw, Arm. Term., #10-32x 3/16
X-196	2	Washer, Terminal, #10
8X-312	1	Screw, Battery Terminal., #10-32x1/4
GAL-1024	1	Band, Head
X-196	2	Washer, Lock, Regulator Mtg., #10
8X-321	2	Screw, Mtg., Regulator, Rd. Hd., #10-32x5/16
8X-715	1	Screw, Head Band, Rd. Hd., #10-32x1 1/4
8X-794	1	Nut, Head Band, Square, #10-32
		1 2 3 4 5

(Issued 10-22-43)

† Brush Set, Service, GBM-2012AS.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."


GBM-1013A
GAR-1014A
GBM-1071R
8X-304
8X-305
GBM-1012A
GAR-98A
8X-305
GBM-2090
GBM-1012A
8X-305
GAR-215
8X-311
GCJ-51
GAR-221
GAR-73
BROKEN END VIEW OF COMM END HEAD
TO CIRCUIT BREAKER
X-755
TO THIRD BRUSH
GAL-289
X-976
GK-38
GAL-1008A
X-1425
TO INSULATED MAIN BRUSH
GK-38
GAR-29
GAL-1007L
GAL-1005AN
GAL-44
8X-888
GBF-79
GBW-73
GBW-72
GBW-1068B
GBW-69
GBM-1090A
8X-1006
GAR-211
X-939
8X-140
GBU-2244
GAR-171
X-260
GR-32
MN-21
MN-21
MW-20
X-199
GAL-1024
GAL-44
X-889
GAM-110
GG-164
GAM-34
X-841
GJ-104
X-864
GBM-21
GAR-63
GG-164
GAR-64
8X-311

Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GBW-2036)	1	Freme & Field Assembly
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GBJ-31	1	Terminal Post Lead Assy.
GAA-27	1	Terminal Post
X-1425	1	Terminal
GBW-29	2	Pole Piece
GBW-34	1	Insulating Washer
GBW-66	1	Terminal Post Bottom Ins.
GBW-67	1	Terminal Post Bottom Ins.
GBW-1005	1	FIELD COIL ASSY.- Comp.
GBW-58	1	Terminal Post
GBW-1007	1	Field Coil Assy.-Left
X-847	1	Terminal
GBW-1008	1	Field Coil - Right
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
GK-20	2	Frame Screw
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	2	#10 Lock Washer
X-199	2	1/4 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assy. & Parts Used With

DA-39	2	Flat Oil Guard
DA-132	1	Felt Washer
GAB-188	1	Felt Washer
GAR-82	1	Air Deflector
GAR-83	1	Comm. End Cap Cover
GBJ-25	1	End Cap Cover Gasket
GBW-2038	1	Comm. End Plate Assembly
GBW-1012‡	2	Brush - Main
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
GR-32	1	Felt Washer Retainer
X-62	6	#10-32x3/8 Flat Hd. Screw
X-195	1	#8 Lock Washer
X-295	1	BALL BEARING - S.A.E. #203
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAR-1177	1	Oil Thrower Assembly
GBM-21	1	Armature Shaft Nut
GBW-2037F	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GK-174	1	1/2 Plain Washer
SP-96C	1	Ventilating Fan
X-156	1	1/2-20 Castellated Nut
X-258	1	#3 Woodruff Key
X-263	1	#8 Woodruff Key
X-404	1	3/32x1 Cotter Pin
X-864	1	.669 Lock Washer

Drive End Head Assy. & Parts Used With

GAR-1096A	1	Drive End Head Assembly
GAR-95	1	Felt Washer
GAR-96A	1	Drive End Head
GX-9	1	D. E. Packing Retainer
GX-10	1	Gasket
X-196	3	#10 Lock Washer
8X-311	3	#10-32x3/8 Rd. Hd. Sc.
X-378	1	BALL BRG. - Oil Seal

Miscellaneous Parts

GBW-24B	1	Head Band Assembly
8X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 7-31-40)

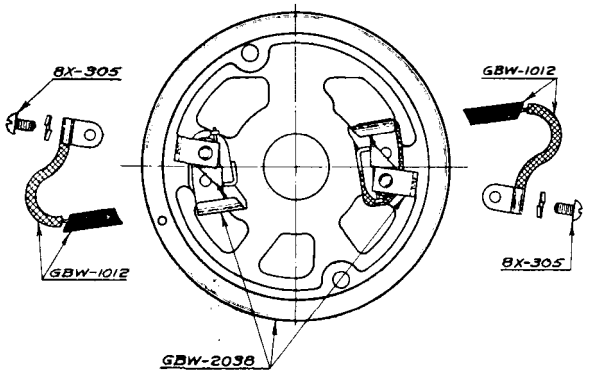
‡ SERVICE BRUSH SET GBW-2012S.

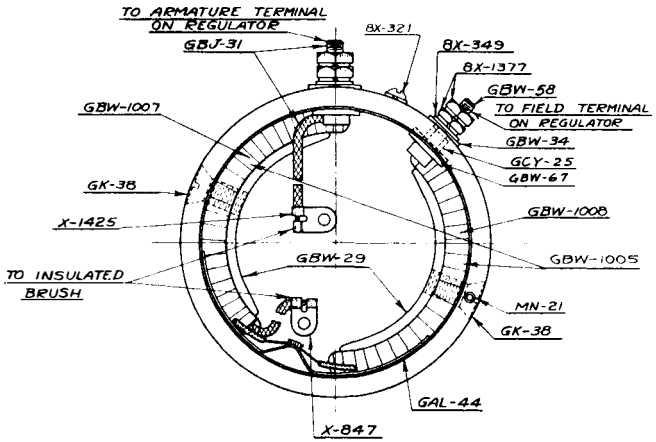
NOTE:- VRB-4003A CURRENT-VOLTAGE REGULATOR is used with but is not part of this generator.

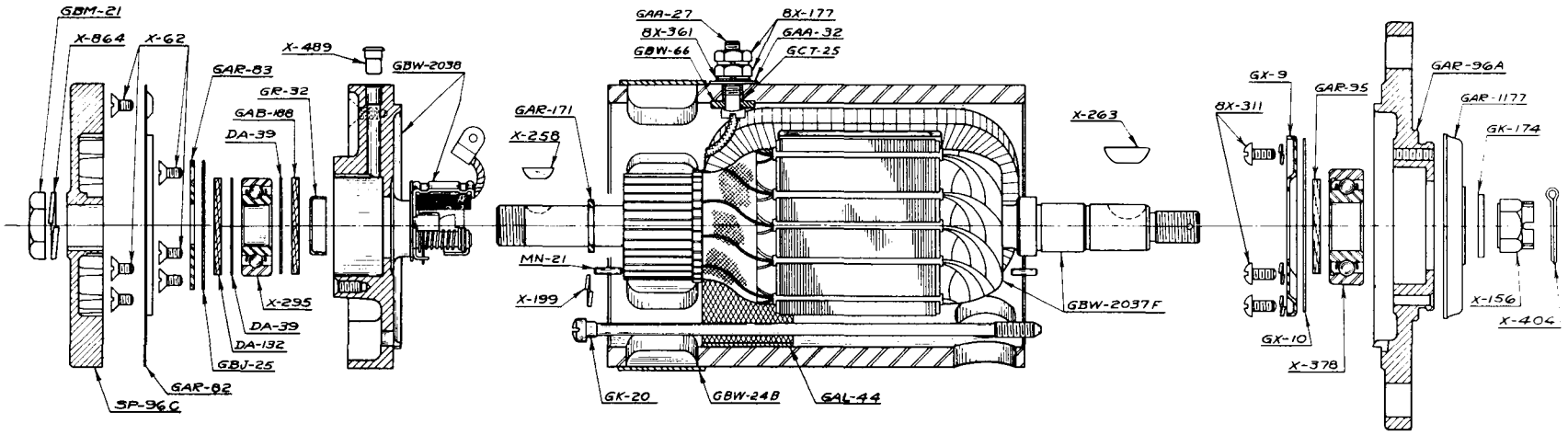
UNIT	APPLICATION
GBW-4602	White Motor Car Co.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GBW-4602 GENERATOR ILLUSTRATION







Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GBW-2048)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term.
GAL-44	1	Insulation, Field Connection
GBW-34	1	Washer, Ins., Field Term.
GBW-40	1	Lead Assy.
GAA-27	1	Stud, Arm. Term.
X-847	1	Terminal
GBW-66	1	Insulation, Arm. Term., Inner
GBW-67	1	Insulation, Field Term., Inner
GBW-1005A	1	FIELD COIL ASSY., COMPLETE
GBW-1007A	1	Field Coil Assy., Left
IG-821	1	Terminal
GBW-1008	1	Field Coil, Right
GEB-58	1	Stud, Field Term.
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Field Term.
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
8X-177	2	#14-24 Hex. Nut
12X-193	2	#14 Lockwasher
12X-196	2	#10 Lockwasher
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	2	#10-32 Hex. Nut
GK-20	2	Thru Bolt
12X-196	1	#10 Lockwasher
12X-199	2	1/4 Lockwasher
8X-321	1	#10-32x5/16 Rd. Hd. Screw

Comm. End Head Assy. & Parts Used With

DA-39	2	Flat Oil Guard
DA-132	1	Felt Washer
GAB-188	1	Felt Washer
GAR-82	1	Air Deflector
GAR-83A	1	Comm. End Cover
GBJ-25	1	End Cover Gasket
GBW-2038A	1	Comm. End Head Assy.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
GGU-1012†	2	Brush, Main
GR-32	1	Felt Washer Retainer
8X-66	3	#10-32x1/2 Flat Hd. Sc.
X-195	2	#8 Lockwasher
X-295	1	BALL BEARING, S.A.E. #203

Comm. End Head Assy. & Parts (Cont'd.)

Part No.	No. Used	Name of Part
8X-305	2	#8-32x1/4 Rd. Hd. Sc.
X-489	1	1/4 Oiler
8X-726	3	#10-32x7/16 Bdg. Hd. Sc.
X-1270	3	#10 Skpf. Washer
X-1621	3	#10 Skpf. Washer

Armature Assembly & Parts Used With

GAR-1177	1	Oil Thrower
GBM-21B	1	Armature Shaft Nut, C.E.
GBW-2037F	1	ARMATURE ASSY.
GAR-171	1	Snap Ring
GK-174	1	1/2 Plain Washer
SP-96C	1	Ventilating Fan
X-156	1	1/2-20 Castellated Nut
X-258	1	#3 Woodruff Key, C.E.
X-263	1	#8 Woodruff Key, D.E.
X-404	1	3/32x1 Cotter Pin
12X-864	1	Lockwasher, Shaft, C.E.

Drive End Head Assembly & Parts Used With

GAR-1096A	1	Drive End Head Assy.
GAR-95	1	Felt Washer
GAR-96A	1	Drive End Head
GX-9	1	Bearing, Retainer
GX-10	1	Gasket
X-196	3	#10 Lockwasher
8X-311	3	#10-32x3/8 Rd. Hd. Sc.
X-378	1	BALL BEARING, S.A.E. #204

Miscellaneous Parts

GBW-24B	1	Band, Cover
8X-714	1	#10-32x1 1/2 Rd. Hd. Sc.
8X-794	1	#10-32 Square Nut

† BRUSH SET, SERVICE GGU-2012S.

NOTE: VRP-4102A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GBW-4802	Hercules, Ross Carrier

(Issued 4-12-50)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GBW-4803, A,C,D,E GENERATOR PARTS LIST GBW-4803, A,C,D,E

Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GBW-2001)	1	Frame & Field Assembly
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-29	2	Pole Piece
GBW-34	1	Insulating Washer
GBW-40	1	Lead Assembly
GAA-27	1	Terminal Post
X-847	1	Terminal
GBW-58	1	Terminal Post
GBW-66	1	Terminal Post Bottom Ins.
GBW-67	1	Terminal Post Bottom Ins.
GBW-1005A	1	FIELD COIL ASSY. - COMP.
GBW-1007A	1	Field Coil Assy.-Left
IG-821	1	Terminal
GBW-1008	1	Field Coil - Right
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
GK-38B	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
GY-20	2	Frame Screw
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	2	#10 Lock Washer
12X-199	2	1/4 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assy. & Parts Used With

(GBW-2002)	1	Comm. End Plate Assembly
GAR-73	1	Oil Wick
GAR-98A	1	Wick Cover
GBW-69	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GBW-1002A	1	C.E. Plate Part Assy.
GBF-79	1	ABSORBENT BRONZE BRG.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
GBW-1012A‡	2	Brush - Main
GBW-1068B	1	Comm. End Cap Cover
12X-195	5	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
8X-888	4	#8-32x5/16 Fill. Hd. Sc.
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GBW-2006F	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GR-32	1	Felt Washer Retainer
*	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assy. & Parts Used With

GBJ-1003C	1	Drive End Head Assy.
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GBJ-3C	1	Drive End Head
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	BALL BRG. - S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Screw

Miscellaneous Parts

GBW-24B	1	Head Band
8X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 2-1-40)

Assembly No.	Drive Pulley
GBW-4803	None
GBW-4803A	SP-1174
GBW-4803C	SP-1234
GBW-4803D	SP-238
GBW-4803E	SP-154

NOTE:- VRP-4101A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

‡ SERVICE BRUSH SET GBW-2012AS.

* See table following parts list for part number applying to assembly wanted.

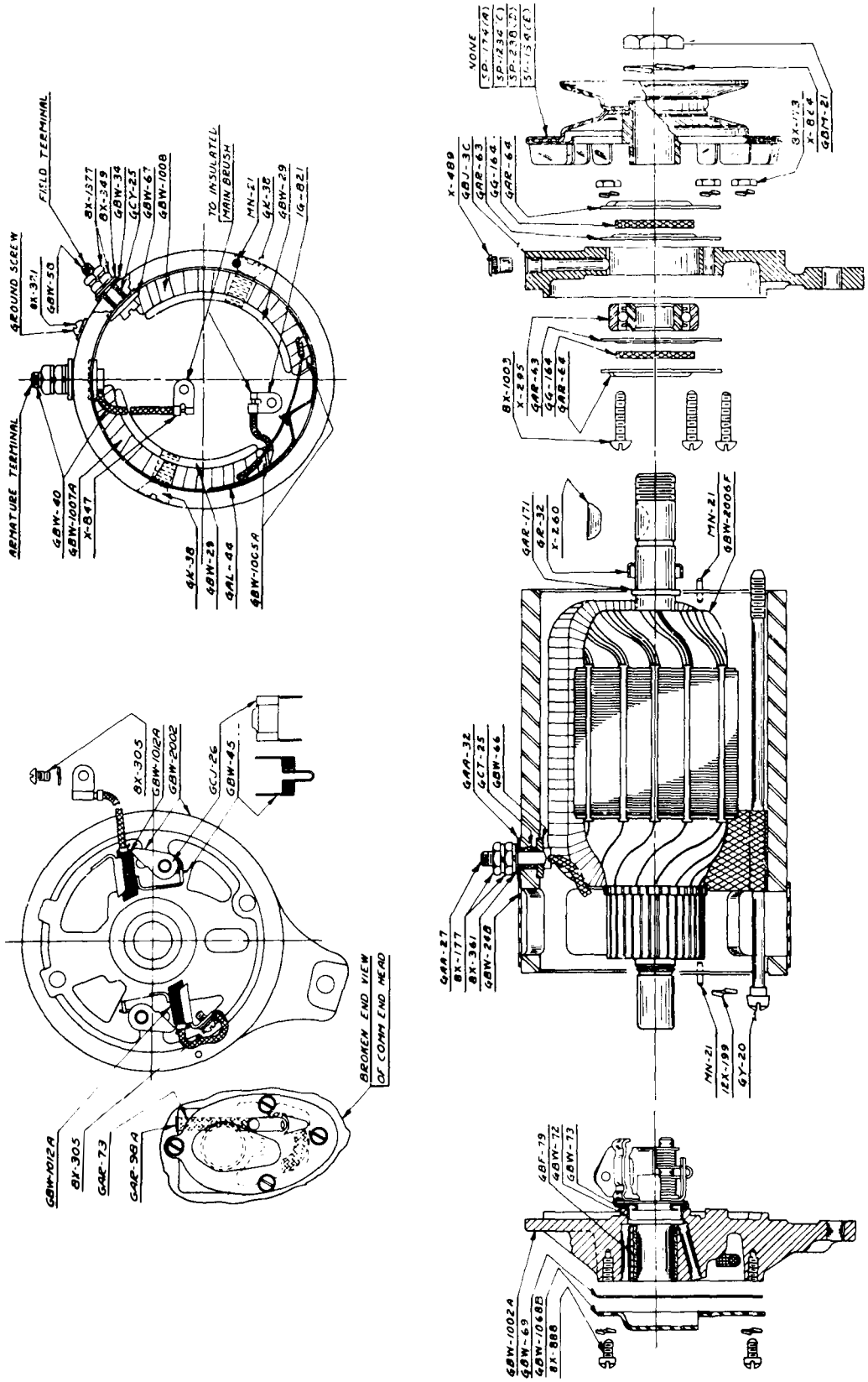
UNIT	APPLICATION
GBW-4803A	Chrysler, DeSoto, Dodge, Plymouth Export
GBW-4803B	DeSoto Export
GBW-4803C	Chrysler Export, DeSoto Export, Dodge, Plymouth Export
GBW-4803D	Dodge Truck, Fargo Truck
GBW-4803E	Plymouth

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GBW-4803,A,C,D,E GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GBW-2001)	1	Frame & Field Assy.
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-29	2	Pole Piece
GBW-34	1	Insulating Washer
GBW-40	1	Lead Assy.
GAA-27	1	Terminal Post
X-847	1	Terminal
GBW-58	1	Terminal Post
GBW-66	1	Terminal Post Bottom Ins.
GBW-67	1	Terminal Post Ins.
GBW-1005A	1	Field Coil Assy.-Comp.
GBW-1007A	1	Field Coil Assy. - Left
IG-821	1	Terminal
GBW-1008	1	Field Coil - Right
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
GK-38B	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
GY-20	2	Frame Screw
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	2	#10 Lock Washer
12X-199	2	1/4 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

(GBW-2002)	1	Comm. End Plate Assy.
GAR-73	1	Oil Wick
GAR-98A	1	Wick Cover
GBW-69	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GBW-1002A	1	Comm. End Plate Part Assy.
GBF-79	1	Absorbent Bronze Brg.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
GBW-1012A‡	2	Brush - Main
GBW-1068B	1	C. E. Cap Cover
12X-195	5	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
8X-888	4	#8-32x5/16 Fill. Hd. Sc.
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

* See table following parts list for part number applying to assembly wanted.

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GBW-2057F	1	Armature Assembly
*	1	Drive Pulley
X-263	1	#8 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GAR-1182	1	Drive End Head Assy.
GAR-178	2	Bearing Retainer
GAR-179	2	Felt Guard
GAR-182	1	Drive End Head
GJ-147	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-298	1	Ball Brg. - S.A.E. #204
8X-306	3	#10-32x1 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

GBW-24B	1	Head Band
8X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 2-1-40)

Assembly No.	Drive Pulley
GBW-4804	None
GBW-4804A	SP-243

NOTE:- VRP-4101A Current Voltage Regulator used with but not part of this generator.

‡ Service Brush Set GBW-2012AS.

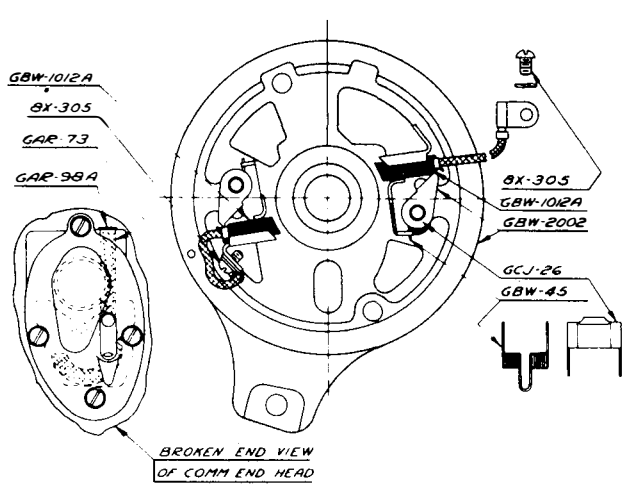
UNIT	APPLICATION
GBW-4804,A	Dodge Truck

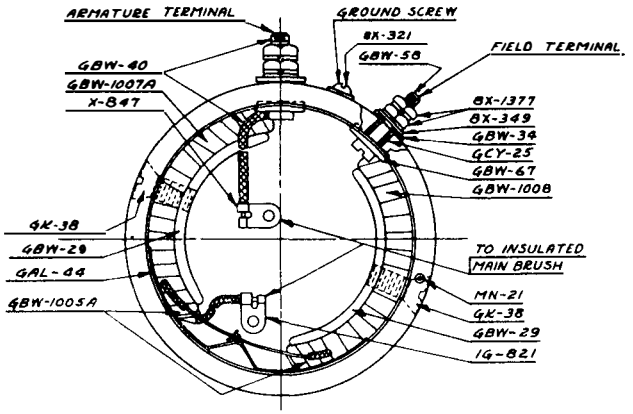
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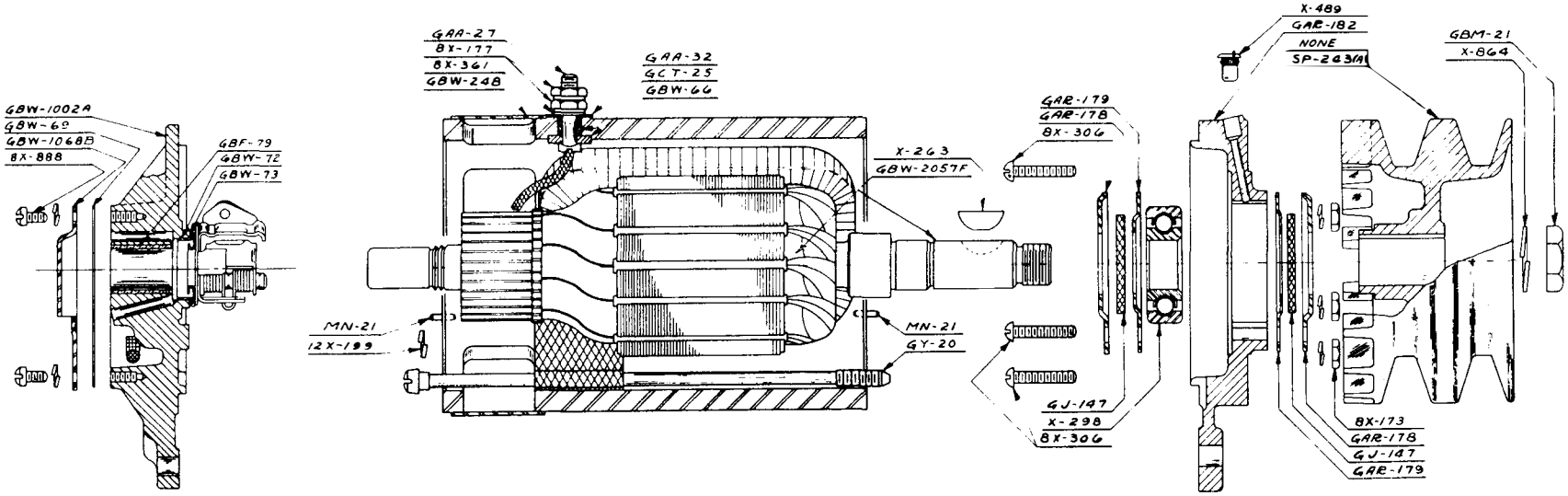
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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GBW-4804,A GENERATOR ILLUSTRATION







Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GBW-2001)	1	Frame & Field Assembly
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-29	2	Pole Piece
GBW-34	1	Insulating Washer
GBW-40	1	Lead Assembly
GAA-27	1	Terminal Post
X-847	1	Terminal
GBW-66	1	Terminal Post Bottom Ins.
GBW-67	1	Terminal Post Bottom Ins.
GBW-1005A	1	FIELD COIL ASSY.- Comp.
GBW-58	1	Terminal Post
GBW-1007A	1	Field Coil Assy.-Left
IG-821	1	Terminal
GBW-1008	1	Field Coil - Right
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
GY-20	2	Frame Screw
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	2	#10 Lock Washer
X-199	2	1/4 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

DA-22	1	Bearing Retaining Washer
DA-39	1	Flat Oil Guard
DA-60	1	Bearing Retaining Screw
DA-132	1	Felt Washer
GBJ-25	1	End Cap Cover Gasket
GBJ-32A	1	Comm. End Cap Cover
(GBW-2060)	1	Comm. End Plate Assembly
GBW-45	2	Brush Spring
GBW-1012A†	2	Brush - Main
GCJ-26	2	Brush Arm
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Sc.
GR-32	1	Felt Washer Retainer
X-195	1	#8 Lock Washer
X-199	1	1/4 Lock Washer
X-295	1	BALL BEARING - S.A.E. #203
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Sc.
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GBW-2061F	1	ARMATURE ASSEMBLY
GAR-171	2	Snap Ring
GR-32	1	Felt Washer Retainer
*	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GBJ-1003C	1	Drive End Head Assembly
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GBJ-3C	1	Drive End Head
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	BALL BEARING- S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Screw

Miscellaneous Parts

GBW-24B	1	Head Band
8X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 4-18-41)

Assembly No.	Drive Pulley
GBW-4805	None
GBW-4805A	SP-416

* See table following parts list for part number applying to assembly wanted.

† SERVICE BRUSH SET GBW-2012AS.

NOTE:- VRP-4102A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GBW-4805	Service Unit
GBW-4805A	General Electric

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GBW-2001A)	1	Frame & Field Assembly
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-29	2	Pole Piece
GBW-34	1	Insulating Washer
GBW-40	1	Lead Assembly
GAA-27	1	Terminal Post
X-847	1	Terminal
GBW-66	1	Terminal Post Bottom Ins.
GBW-67	1	Terminal Post Bottom Ins.
GBW-1005A	1	FIELD COIL ASSY.-Comp.
GBW-58	1	Terminal Post
GBW-1007A	1	Field Coil Assy.-Left
IG-821	1	Terminal
GBW-1008	1	Field Coil - Right
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
5X-1377	1	#10-32 Hex. Nut
GY-20A	2	Frame Screw
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	2	#10 Lock Washer
X-199	2	1/4 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
5X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

(GBW-2051A)	1	Comm. End Plate Assembly
GAR-73	1	Oil Wick
GAR-98A	1	Wick Cover
GBW-69	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GBW-1012A‡	2	Brush - Main
GBW-1051D	1	C. E. Plate Part Assy.
GBF-79	1	ABSORBENT BRONZE BRG.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
GBW-1068B	1	Comm. End Cap Cover
X-195	5	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Sc.
X-888	4	#8-32x5/16 Fill. Hd. Sc.
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAR-171	1	Snap Ring
GBW-89	1	Oil Thrower
GBW-2088F	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring

Drive End Head Assembly & Parts Used With

GAR-1126	1	Drive End Head Assembly
GAR-126	1	Drive End Head
GG-6	1	Felt Guard - With Oil Well
GK-85	1	Paper Gasket
X-196	3	#10 Lock Washer
X-295	1	BALL BRG.- S.A.E. #203
8X-311	3	#10-32x3/8 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

GBW-24	1	Head Band
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 9-30-41)

‡ SERVICE BRUSH SET GBW-2012AS.

NOTE:- VRW-4002A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GBW-4808	Continental

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBD-20A	2	Frame Screw
*	1	Frame & Field Assy.
GAL-44	1	Field Connection Ins.
GBX-29	2	Pole Piece
GBX-53	1	Insulating Bushing
*	1	Field Coil Assy. - Comp.
*	1	Field Coil Assy - Left
*	1	C.B. Lead Assy.
X-755	1	Terminal
*	1	Terminal
IG-821	1	Terminal
*	1	Field Coil Assy. - Right
X-767	1	Terminal
GBY-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
X-203	2	5/16 Lock Washer

Comm. End Plate Assembly & Parts Used With

DA-22	1	Bearing Retaining Washer
DA-39	1	Flat Oil Guard
DA-60	1	Bearing Retaining Screw
DH-7	1	Felt Washer
GBJ-25	1	End Cap Cover Gasket
CBJ-32	1	Comm. End Cap Cover
(GBX-2002)	1	Comm. End Plate Assy.
GBX-51	1	3rd Brush Plate Retaining Spring
GBX-1002	1	Comm. End Plate Part Assy.
GBX-1012‡	2	Brush - Main
GBX-1013‡	1	Brush - Third
GBX-1014	1	3rd Brush Plate Assy.
X-198	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
8X-311	1	#10-32x3/8 Rd. Hd. Sc.
X-195	2	#8 Lock Washer
X-199	1	1/4 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
8X-305	2	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GBX-2006F	1	Armature Assembly
SP-197	1	Drive Pulley
X-261	1	#6 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GBX-1003	1	Drive End Head Assy.
GAU-31	1	Felt Washer
GBX-3	1	Drive End Head
GG-6	1	Bearing Retainer
GK-176	1	Felt Washer Retainer
GT-76	1	Felt Washer Retainer
GT-78	1	Felt Washer
X-196	3	#10 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
8X-311	3	#10-32x3/8 Rd. Hd. Sc.
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

GX-1024	1	Head Band Assy.
TC-4306A	1	Two Charge Regulator & Circuit Breaker
X-196	4	#10 Lock Washer
8X-321	4	#10-32x5/16 Rd. Hd. Screw
*	1	5/16-18x1 1/4 Hex. Hd. Sc.
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 11-9-37)

Assembly No.	Frame & Field Assy.	Field Coil Assembly	Field Coil Left	Field Coil Right	Lead Assy.	Screw	Terminal
GBX-4601	(GBX-2001)	GBX-1005	GBX-1007	GBX-1008	GBX-35	None	X-847
GBX-4601A	(GBX-2001A)	GBX-1005A	GBX-1007A	GBX-1008A	GAL-266	8X-420	X-1425

* See table following parts list for part number applying to assembly wanted.

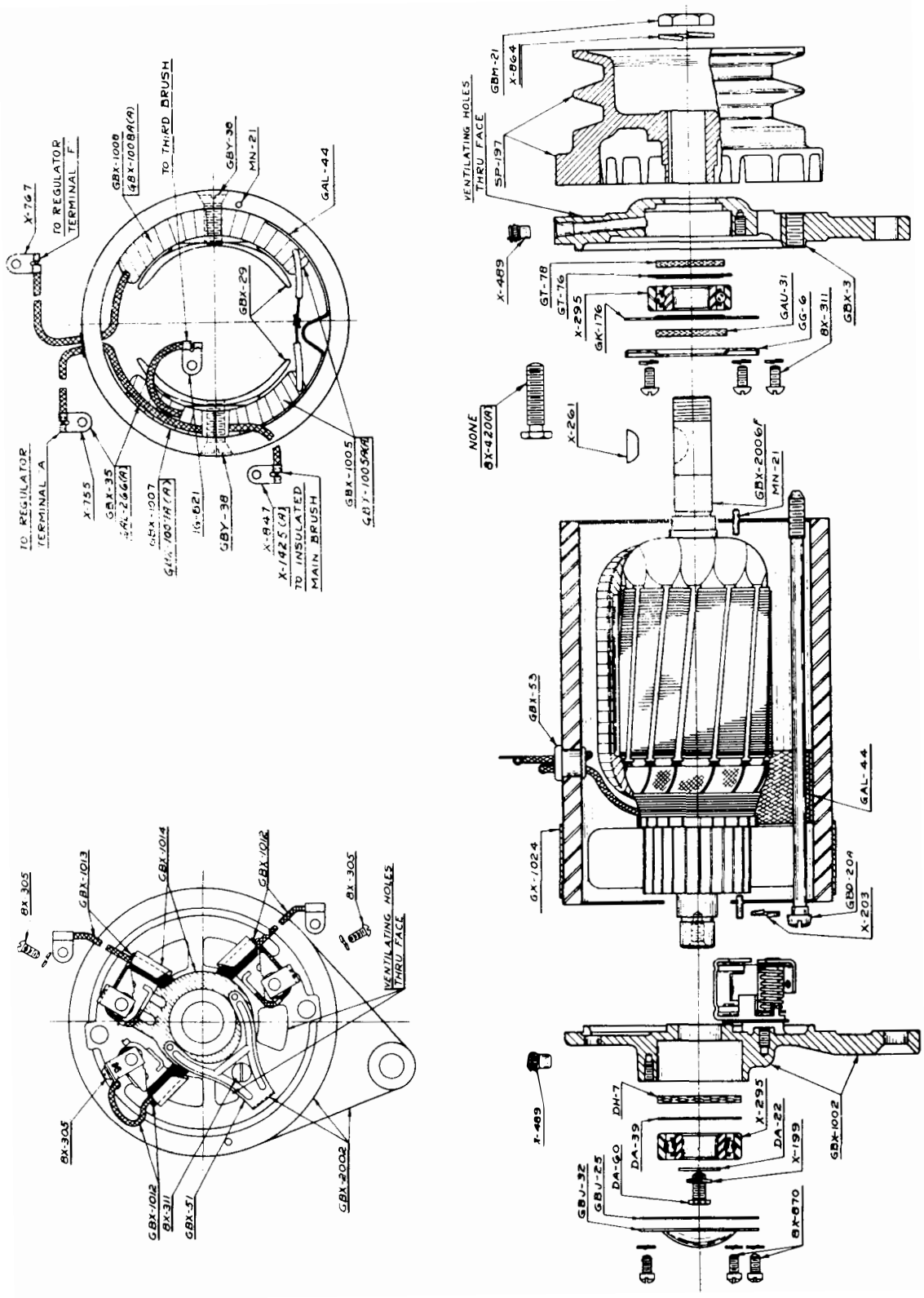
‡ Service Brush Set GBX-2012.

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File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GBX-4601,A GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DK-23A	2	Frame Screw
(GBX-2044)	1	Frame & Field Assy.
GAL-44	1	Field Connection Ins.
GBX-29	2	Pole Piece
GBX-53	1	Insulating Bushing
GBX-1005A	1	Field Coil Assy. - Comp.
GBX-1007A	1	Field Coil Assy. - Left
GAL-266	1	C.B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
IG-821	1	Terminal
GBX-1008A	1	Field Coil Assy. - Right
X-767	1	Terminal
GBY-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
X-203	2	5/16 Lock Washer

Comm. End Plate Assembly & Parts Used With

DA-22	1	Bearing Retaining Washer
DA-39	1	Flat Oil Guard
DA-60	1	Bearing Retaining Screw
DH-7	1	Felt Washer
GBJ-25	1	End Cap Cover Gasket
GBJ-32	1	Comm. End Cap Cover
(GBX-2002)	1	Comm. End Plate Assy.
GBX-51	1	3rd Brush Plate Retain'g Spring
GBX-1002	1	Comm. End Plate Part Assy.
GBX-1012‡	2	Brush - Main
GBX-1013‡	1	Bruth - Third
GBX-1014	1	3rd Brush Plate Assy.
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
8X-311	1	#10-32x3/8 Rd. Hd. Screw
X-195	2	#8 Lock Washer
X-199	1	1/4 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
8X-305	2	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GBX-2006AF	1	Armature Assembly
SP-197	1	Drive Pulley
X-261	1	#6 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GBX-1003	1	Drive End Head Assy.
GAU-31	1	Felt Washer
GBX-3	1	Drive End Head
GG-6	1	Bearing Retainer
GK-176	1	Felt Washer Retainer
GT-76	1	Felt Washer Retainer
GT-78	1	Felt Washer
X-196	3	#10 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
8X-311	3	#10-32x3/8 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
8X-420	1	5/16-18x1 1/4 Hex. Hd. Screw

Miscellaneous Parts

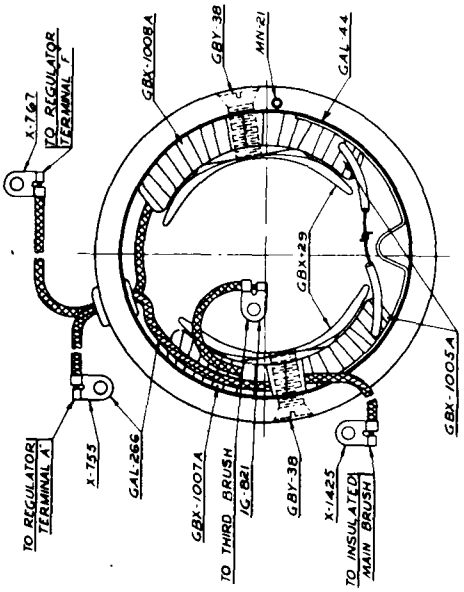
GCE-1024B	1	Head Band Assy.
TC-4306A	1	Two Charge Regulator
X-196	4	#10 Lock Washer
8X-321	4	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

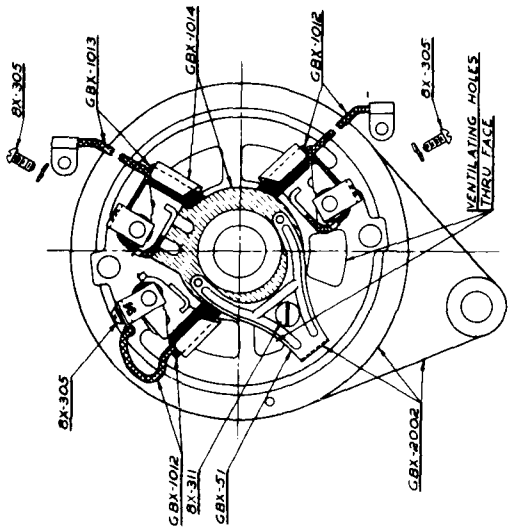
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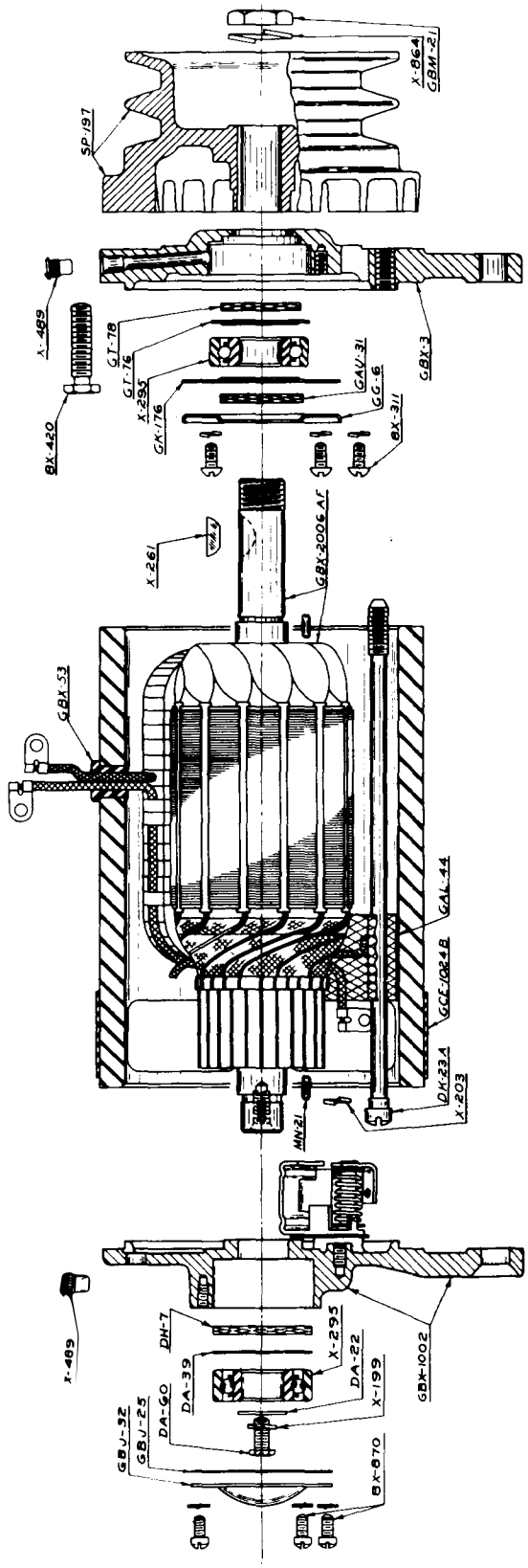
‡ Service Brush Set GBX-2012.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GBX-4602 GENERATOR ILLUSTRATION







Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBY-20	2	Frame Screw
(GBY-2001)	1	Frame & Field Assy.
GAU-45	1	Field Connection Ins.
GBY-29	2	Pole Piece
GBY-38	4	Pole Piece Screw
GBY-42	1	Insulating Bushing
GBY-1005	1	Field Coil Assy. - Comp.
GBY-1007	1	Field Coil Assy. - Left
GBY-35	1	C.B. Lead Assy.
IG-821	1	Terminal
X-847	1	Terminal
GBY-1008	1	Field Coil - Right
MN-21	2	Dowel Pin
X-755	2	Terminal
8X-159	2	3/8-24 Hex. Nut
X-201	2	3/8 Lock Washer

Comm. End Plate Assembly & Parts Used With

DA-22	1	Bearing Retaining Washer
DA-60	1	Bearing Retaining Screw
DB-17	1	Felt Guard
DD-24C	1	End Cap Cover
DD-44	1	End Cap Cover Gasket
GBY-28	1	Felt Washer
GBY-30	1	Oil Wick
(GBY-2002)	1	Comm. End Plate Assy.
GBY-51	1	3rd Brush Plate Retaining Spring
GBY-1002	1	Comm. End Plate Part Assy.
GBY-1012‡	2	Brush - Main
GBY-1013‡	1	Brush - Third
GBY-1014	1	3rd Brush Plate Assy.
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Sc.
8X-311	1	#10-32x3/8 Rd. Hd. Sc.
X-195	2	#8 Lock Washer
X-199	1	1/4 Lock Washer
8X-305	2	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
X-544	3	#10 Lock Washer
X-867	1	Ball Bearing
8X-870	3	#10-32x5/16 Fill. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GBY-2006F	1	Armature Assy.
SP-198	1	Drive Pulley
X-263	1	#8 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

CBY-1003	1	Drive End Head Assy.
GAB-188	2	Felt Washer
GAR-179	2	Felt Guard
GBY-3	1	Drive End Head
GBY-27	2	Bearing Retainer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
8X-306	3	#10-32x1 Rd. Hd. Screw
X-365	1	Ball Bearing - S.A.E. #303
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

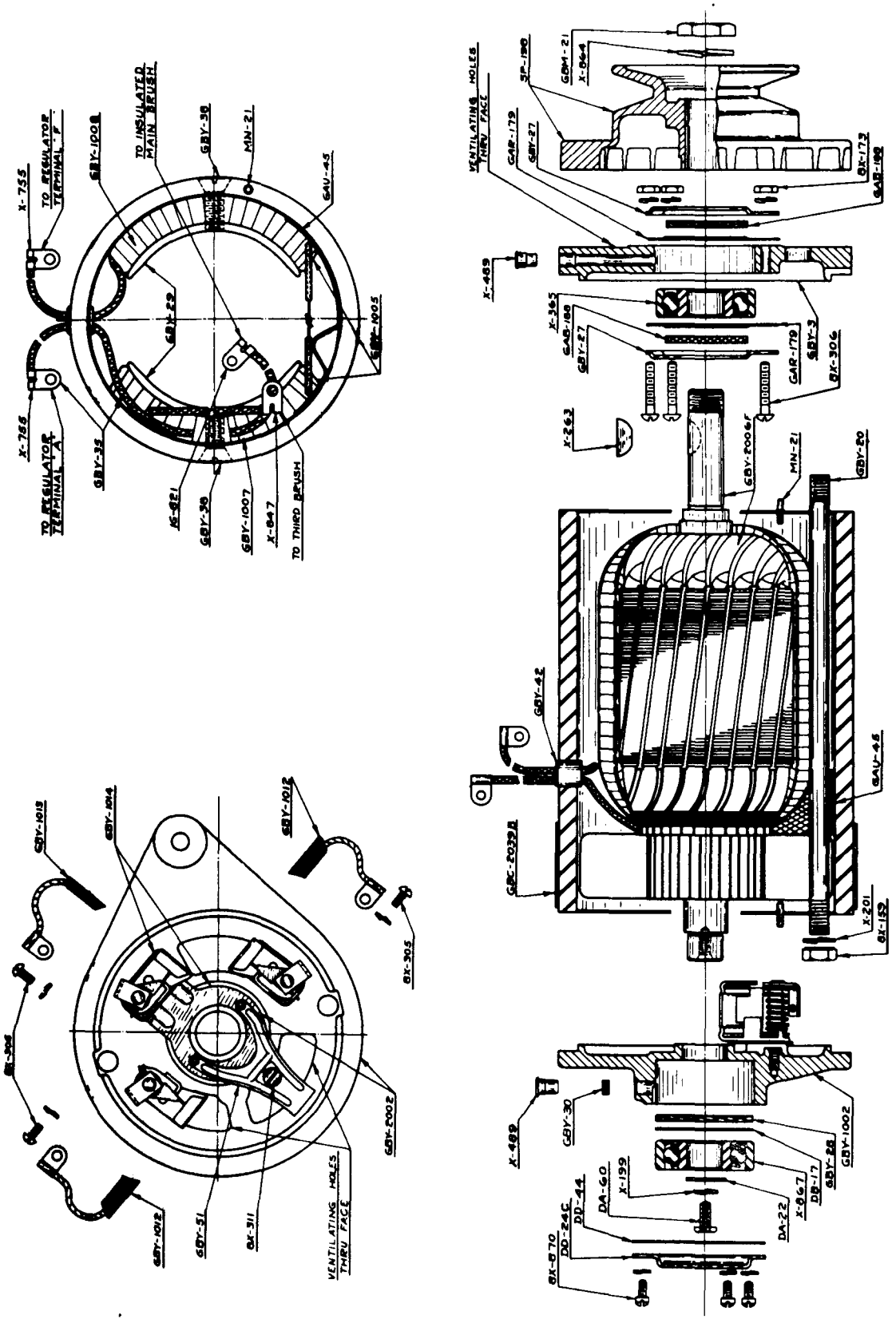
GBC-2039B	1	Head Band Assembly
TC-4312A	1	Two Charge Regulator & Circuit Breaker
8X-41	1	#10-32x1 1/8 Fill. Hd. Sc.
X-196	4	#10 Lock Washer
8X-321	4	#10-32x5/16 Rd. Hd. Screw
		1 2 3 4 5

(Issued 11-9-37)

‡ Service Brush Set GBY-2012S.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking su -parts the complete part can be assembled as needed."

GBY-4601 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBY-20	2	Frame Screw
(GBY-2031)	1	Frame & Field Assembly
GAU-45	1	Field Connection Ins.
GBY-29	2	Pole Piece
GBY-38	4	Pole Piece Screw
GBY-42	1	Insulating Bushing
GBY-1005A	1	FIELD COIL ASSY.-Comp.
GBY-1007A	1	Field Coil Assy.-Left
GBY-45	1	Control Lead Assy.
IG-821	1	Terminal
X-847	1	Terminal
GBY-1008	1	Field Coil - Right
MN-21	2	Dowel Pin
X-755	2	Terminal
8X-159	2	3/8-24 Hex. Nut
X-201	2	3/8 Lock Washer

Comm. End Plate Assembly & Parts Used With

DA-22	1	Bearing Retaining Washer
DA-60	1	Bearing Retaining Screw
DB-17	1	Felt Guard
DD-24C	1	End Cap Cover
DD-44	1	End Cap Cover Gasket
GBY-28	1	Felt Washer
GBY-30	1	Oil Wick
(GBY-2032)	1	Comm. End Plate Assembly
GBY-51	1	3rd Br. Plate Retaining Spring
GBY-1012‡	2	Brush - Main
GBY-1013‡	1	Brush - Third
GBY-1014A	1	3rd Brush Plate Assy.
GBY-25	1	Brush Spring
GBY-33	1	Brush Arm
GBY-1032	1	C. E. Plate Part Assy.
GBY-25	2	Brush Spring
GBY-34	2	Brush Arm
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
8X-311	1	#10-32x3/8 Rd. Hd. Sc.
X-195	2	#8 Lock Washer
X-199	1	1/4 Lock Washer
8X-305	2	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
X-544	3	#10 Lock Washer
X-867	1	BALL BEARING
8X-870	3	#10-32x5/16 Fill. Hd. Sc.
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GBY-2006F	1	ARMATURE ASSEMBLY
SP-198	1	Drive Pulley
X-263	1	#8 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GBY-1003	1	Drive End Head Assembly
GAB-188	2	Felt Washer
GAR-179	2	Felt Guard
GBY-3	1	Drive End Head
GBY-27	2	Bearing Retainer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
8X-306	3	#10-32x1 Rd. Hd. Screw
X-365	1	BALL BRG.- S.A. E. #303
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

GBC-2039B	1	Head Band Assembly
TC-4312A	1	TWO CHARGE REGULATOR
8X-41	1	#10-32x1 1/8 Fill. Hd. Sc.
X-196	4	#10 Lock Washer
8X-321	4	#10-32x5/16 Rd. Hd. Screw
		1 2 3 4 5

(Issued 9-30-41)

‡ SERVICE BRUSH SET GBY-2012S.

UNIT	APPLICATION
GBY-4801	Checker Cab

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBY-20	2	Frame Screw
(GBY-2031)	1	Frame & Field Assy.
GAU-45	1	Field Connection Insulator
GBY-29	2	Pole Piece
GBY-38	4	Pole Piece Screw
GBY-42	1	Insulating Bushing
GBY-1005A	1	Field Coil Assy. - Comp.
GBY-1007A	1	Field Coil Assy. - Left
GBY-45	1	Control Lead Assy.
IG-821	1	Terminal
X-847	1	Terminal
GBY-1008	1	Field Coil - Right
MN-21	2	Dowel Pin
X-755	2	Terminal
8X-159	2	3/8-24 Hex. Nut
X-201	2	3/8 Lock Washer

Comm. End Plate Assembly & Parts Used With

DA-22	1	Bearing Retaining Washer
DA-60	1	Bearing Retaining Screw
DB-17	1	Felt Guard
DD-24C	1	End Cap Cover
DD-44	1	End Cap Cover Gasket
GBY-28	1	Felt Washer
GBY-30	1	Oil Wick
(GBY-2036)	1	Comm. End Plate Assy.
GBY-51	1	3rd Brush Plate Retain'g Spring
GBY-1012‡	2	Brush - Main
GBY-1013‡	1	Brush - Third
GBY-1014A	1	3rd Brush Plate Assy.
GBY-25	1	Brush Spring
GBY-33	1	Brush Arm
GBY-1036	1	Comm. End Plate Part Assy.
GBY-25	2	Brush Spring
GBY-34	2	Brush Arm
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
8X-311	1	#10-32x3/8 Rd. Hd. Screw
X-195	2	#8 Lock Washer
X-199	1	1/4 Lock Washer
8X-305	2	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
X-544	3	#10 Lock Washer
X-867	1	Ball Bearing
8X-870	3	#10-32x5/16 Fill. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GBY-2006F	1	Armature Assembly
SP-233	1	Drive Pulley
X-263	1	#8 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GBY-1040	1	Drive End Head Assy.
GAB-188	2	Felt Washer
GAR-179	2	Felt Guard
GBY-27	2	Bearing Retainer
GBY-40	1	Drive End Head
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
8X-306	3	#10-32x1 Round Hd. Screw
X-365	1	Ball Brg. - S.A.E. #303
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

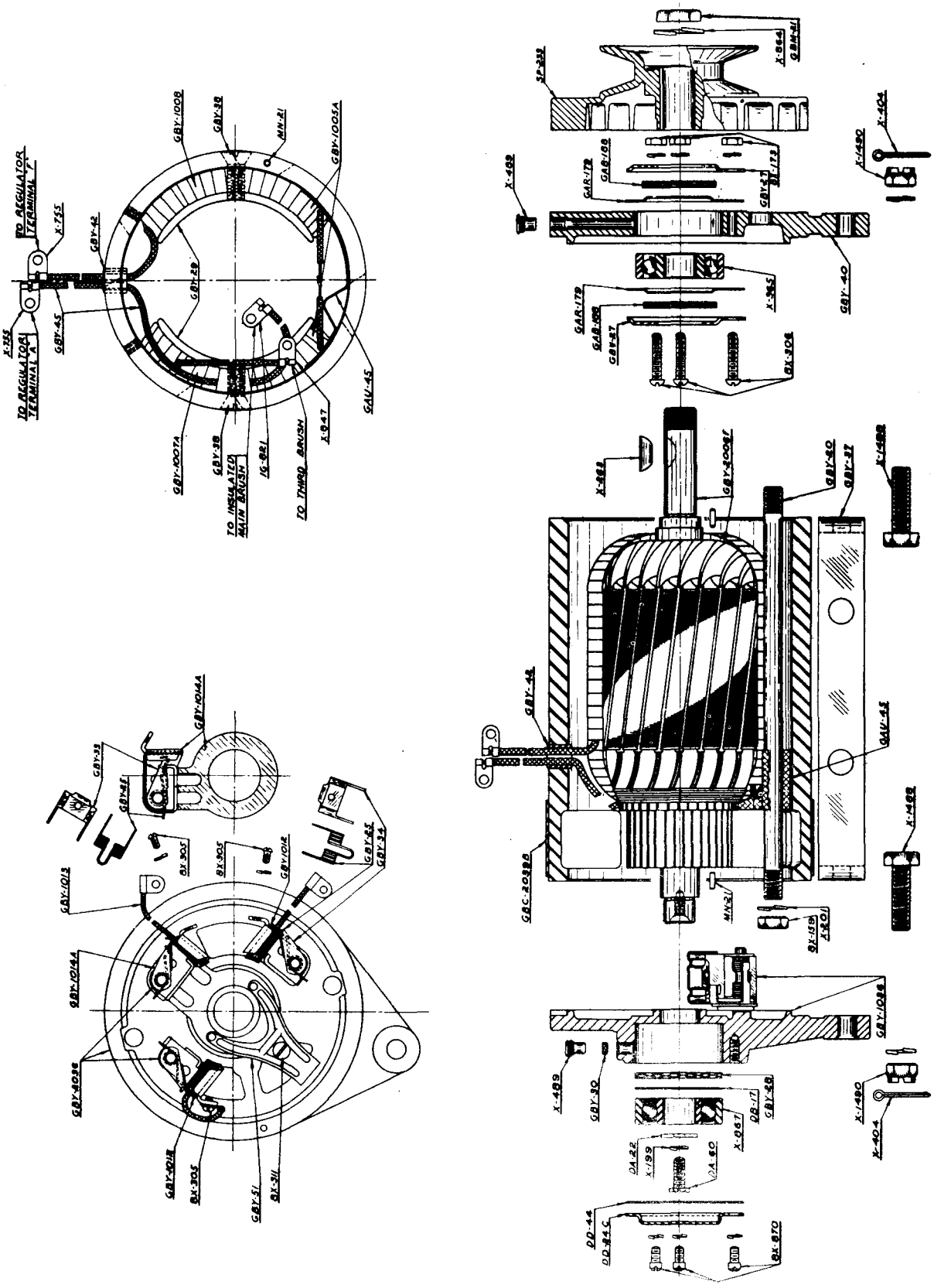
GBC-2039B	1	Head Band Assembly
GBY-37	1	Mounting Bracket
TC-4306A	1	Two Charge Regulator
8X-41	1	#10-32x1 1/8 Fill. Hd. Sc.
X-196	4	#10 Lock Washer
8X-321	4	#10-32x5/16 Rd. Hd. Screw
X-404	2	3/32x1 Cotter Pin
X-540	2	3/8 Lock Washer
X-1488	2	3/8-24x1 3/8 Hex. Hd. Screw
X-1490	2	3/8-24 Castellated Nut
		1 2 3 4 5

(Issued 12-28-36)

‡ Service Brush Set GBY-2012S.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GBY-4802 GENERATOR ILLUSTRATION


TO REGULATOR TERMINAL F
TO REGULATOR TERMINAL A
X-735
GBY-42
GBY-45
GBY-1008
GBY-38
MN-21
GBY-1005A
GBY-29
GAU-45
GBY-1007A
GBY-28
TO INSULATED MAIN BRUSH
TO THIRD BRUSH
X-947
GBY-1014A
GBY-33
GBY-1013
GBY-1014
GBY-1014A
GBY-1014B
GBY-1015
GBY-51
GBY-31
GBY-1007
GBY-30
GBY-44
GAC-20328
GBY-1016
GBY-48
X-967
X-404
X-490
X-489
X-488
X-485
X-484
X-483
X-482
X-481
X-404
GBY-40
GBY-37
GBY-45
GBY-1016
GBY-48
GBY-30
GBY-51
GBY-31
GBY-1014
GBY-1014A
GBY-1014B
GBY-1015
GBY-1007
GBY-1005A
GBY-1008
GBY-29
GBY-28
GBY-42
GBY-45
GBY-38
GBY-33
GBY-44
GBY-37
GBY-40

Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCB-20	2	Frame Screw
GCB-33	1	Mounting Bracket
(GCB-2001)	1	Frame & Field Assy.
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-58	1	Terminal Post
GBW-66	1	Terminal Post Bottom Ins.
GBW-67	1	Terminal Post Ins.
GBY-38	4	Pole Piece Screw
GCB-29	2	Pole Piece
GCB-1005	1	Field Coil Assy. - Comp.
GCB-1007	1	Field Coil Assy.-Left
GCE-26	1	Control Lead
GCE-34	1	Terminal Post
X-847	1	Terminal
IG-821	1	Terminal
GCB-1008	1	Field Coil - Right
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	2	#10 Lock Washer
X-201	4	3/8 Lock Washer
X-203	2	5/16 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
X-465	4	3/8-24x3/4 Hex. Hd. Screw
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assy. & Parts Used With

DA-22	1	Bearing Retaining Washer
DA-39	1	Flat Oil Guard
DA-60	1	Bearing Retaining Screw
DH-7	1	Felt Washer
GBJ-25	1	End Cap Cover Gasket
GBJ-32	1	Comm. End Cap Cover
(GCE-2047)	1	Comm. End Plate Assy.
GCE-1012‡	2	Brush - Main
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-195	1	#8 Lock Washer
X-199	1	1/4 Lock Washer
X-295	1	Ball Bearing - S.A.E. #203
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
X-544	3	#10 Lock Washer
X-870	3	#10-32x5/16 Fill. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GCB-2006F	1	Armature Assy.
SP-218	1	Drive Pulley
X-261	1	#6 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assy. & Parts Used With

GCE-2048	1	Drive End Head Assy.
GAU-31	1	Felt Washer
GCE-48	1	~~Drive End Head~~
GG-6	1	Bearing Retainer
GK-176	1	Felt Washer Retainer
GT-76	1	Felt Washer Retainer
GT-78	1	Felt Washer
X-196	3	#10 Lock Washer
X-295	1	Ball Bearing - S.A.E. #203
8X-311	3	#10-32x3/8 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

GCE-24C	1	Head Band
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

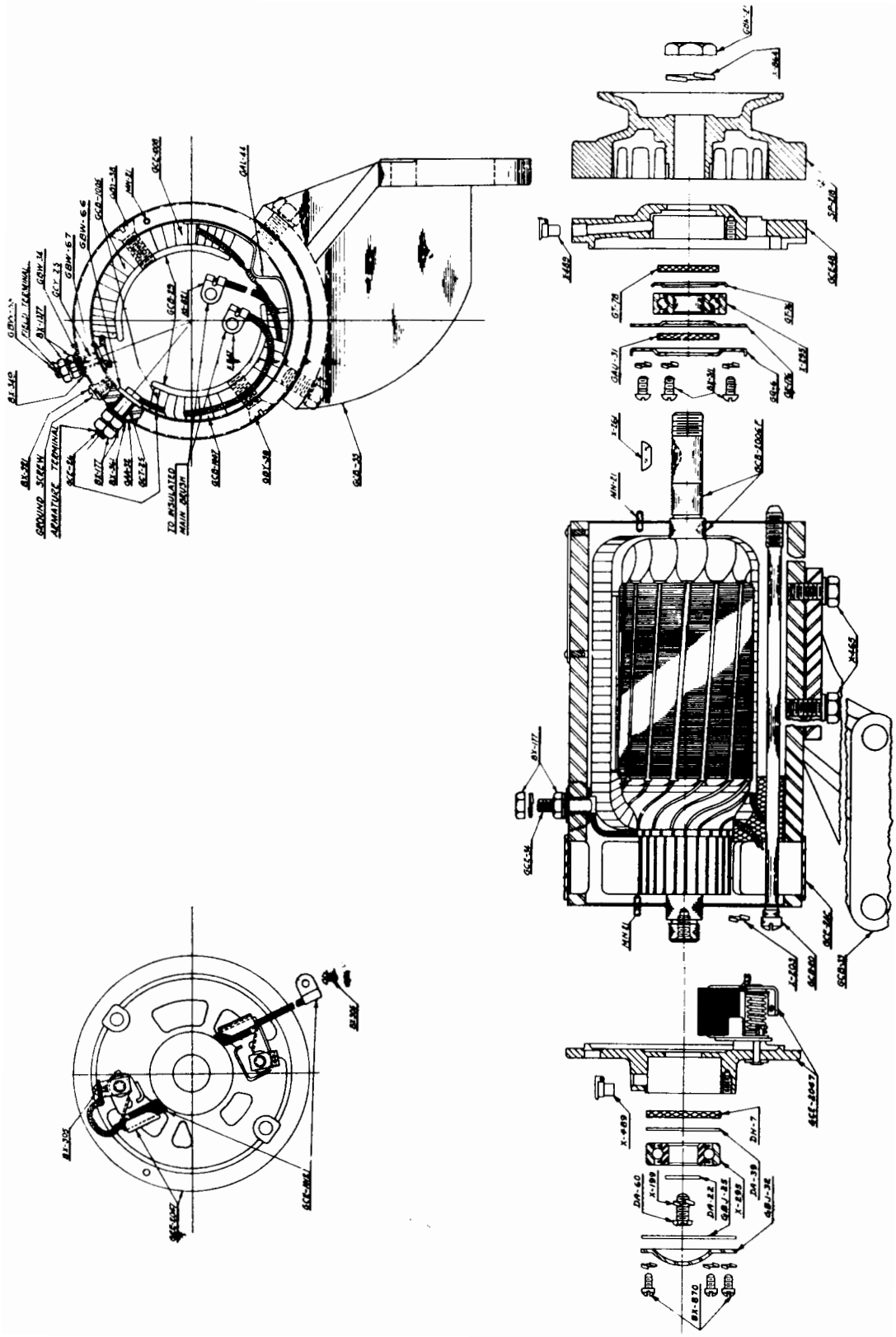
(Issued 11-16-38)

‡ Service Brush ~~Set GCB-2012S~~

NOTE:- VRB-4008B Current-Voltage Regulator is used with but is not a part of this generator.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCB-4601 GENERATOR ILLUSTRATION



Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCB-20A	2	Frame Screw
(GCB-2030)	1	Frame & Field Assy.
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-58	1	Terminal Post
GBW-66	1	Terminal Post Bottom Ins.
GBW-67	1	Terminal Post Bottom Ins.
GBY-38A	4	Pole Piece Screw
GCB-29	2	Pole Piece
GCB-1005A	1	Field Coil Assy. - Comp.
GCB-1007A	1	Field Coil Assy.-Left
GCE-26	1	Control Lead
GCE-34	1	Terminal Post
X-847	1	Terminal
IG-821	1	Terminal
GCB-1008	1	Field Coil - Right
GDD-25	1	Insulating Bushing
GDD-26	1	Insulating Bushing
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	2	#10 Lock Washer
12X-203	2	5/16 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assy. & Parts Used With

DA-22	1	Bearing Retaining Washer
DA-39	1	Flat Oil Guard
DA-60	1	Bearing Retaining Screw
DH-7	1	Felt Washer
GBJ-25	1	End Cap Cover Gasket
GBJ-32A	1	Comm. End Cap Cover
(GCE-2002)	1	Comm. End Plate Assy.
GCE-53	2	Brush Spring
GCE-54	2	Brush Arm
GCE-1012‡	2	Brush - Main
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Sc.
X-195	1	#8 Lock Washer
X-199	1	1/4 Lock Washer
X-295	1	Ball Bearing - S.A.E. #203
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
12X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GCB-2006F	1	Armature Assy.
*	1	Drive Pulley
X-261	1	#6 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assy. & Parts Used With

GCE-1003	1	Drive End Head Assy.
GAU-31	1	Felt Washer
GCE-3	1	Drive End Head
GG-6	1	Bearing Retainer
GK-176	1	Felt Washer Retainer
GT-76	1	Felt Washer Retainer
GT-78	1	Felt Washer
X-196	3	#10 Lock Washer
X-295	1	Ball Bearing - S.A.E. #203
8X-311	3	#10-32x3/8 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

GCE-24	1	Head Band
8X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 11-16-38)

Assy. No.	Drive Pulley
GCB-4802	None
GCB-4802A	SP-232
GCB-4802B	SP-231

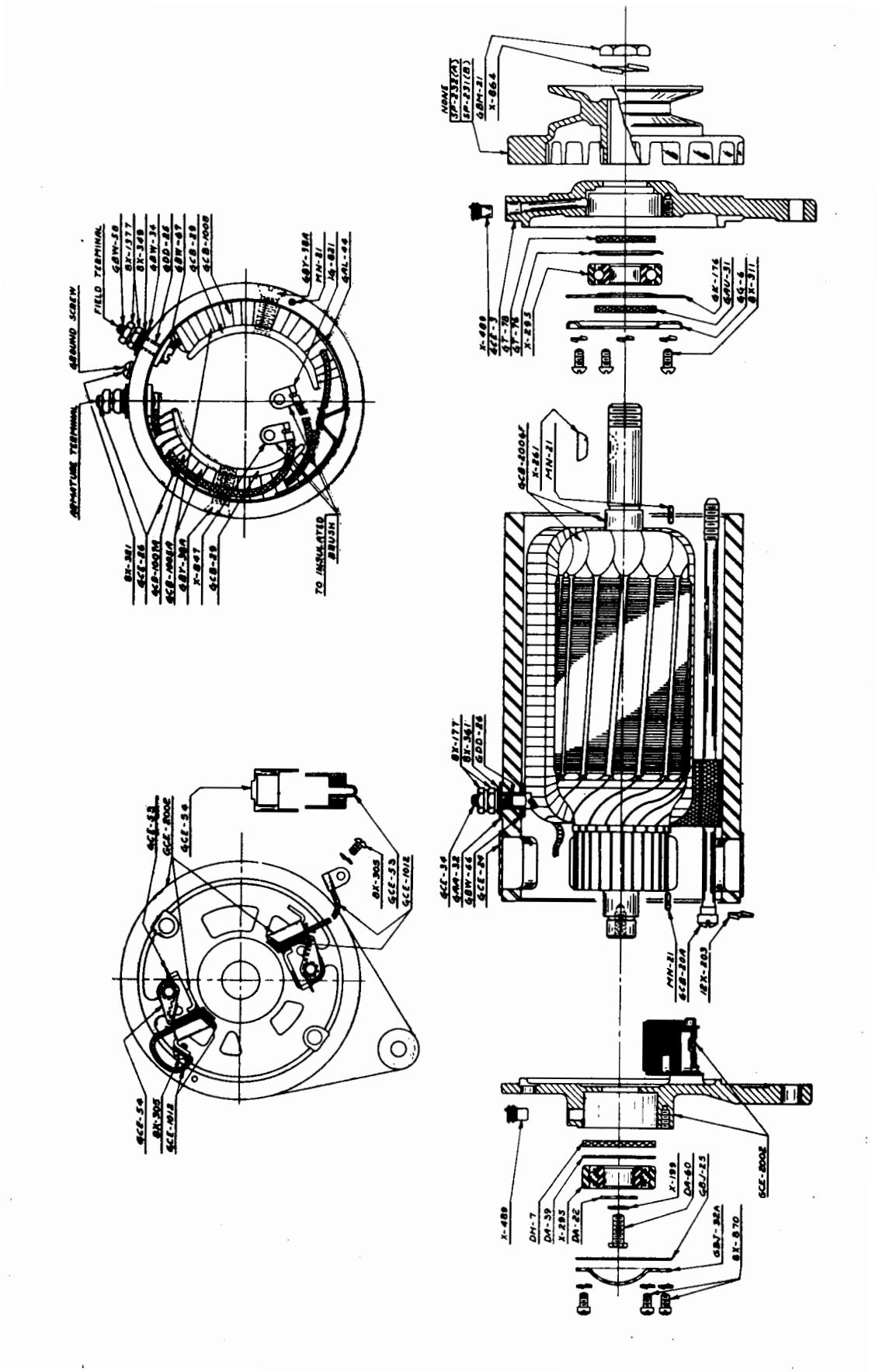
NOTE:- VRB-4009A Current-Voltage Regulator is used with but is not a part of this generator.

* See table following parts list for part number applying to assembly wanted.

‡ Service Brush Set GCE-2012S.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking su -parts the complete part can be assembled as needed."

GCB-4802,A,B GENERATOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

PRELIMINARY

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCB-20	2	Frame Screw
(GCB-2047)	1	Frame & Field Assembly
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GAL-148	1	Aligning Dowel
GBW-34	1	Insulating Washer
GBW-66	1	Terminal Post Bottom Ins.
GBW-67	1	Terminal Post Bottom Ins.
GBY-38	4	Pole Piece Screw
GCB-29	2	Pole Piece
GCB-1005A	1	FIELD COIL ASSY.- Comp.
GBW-58	1	Terminal Post
GCB-1007A	1	Field Coil Assy.-Left
GCE-26	1	Control Lead
GCE-34	1	Terminal Post
X-847	1	Terminal
IG-821	1	Terminal
GCB-1008	1	Field Coil - Right
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	2	#10 Lock Washer
X-203	2	5/16 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

DA-39	2	Flat Oil Guard
DA-132	1	Felt Washer
DH-7	1	Felt Washer
GAR-83A	1	Comm. End Cap Cover
GBJ-25	1	End Cap Cover Gasket
GCE-2047A	1	Comm. End Plate Assembly
GCE-53	2	Brush Spring
GCE-54	2	Brush Arm
GCE-1012†	2	Brush - Main
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
GJ-320	1	Armature Shaft Nut
X-195	1	#8 Lock Washer
X-295	1	BALL BEARING - S.A.E. #203
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GCB-2048F	1	ARMATURE ASSEMBLY
*	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GCE-2048	1	Drive End Head Assembly
GAU-31	1	Felt Washer
GCE-48	1	Drive End Head
GG-6	1	Bearing Retainer
GK-176	1	Felt Washer Retainer
GT-76	1	Felt Washer Retainer
GT-78	1	Felt Washer
X-196	3	#10 Lock Washer
X-295	1	BALL BRG.- S.A.E. #203
8X-311	3	#10-32x3/8 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

GCE-24C	1	Head Band
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 7-2-41)

Assembly No.	Drive Pulley
GCB-4803A	SP-236
GCB-4803B	SP-240

† SERVICE BRUSH SET GCE-2012S.

NOTE:- VRP-4006B CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

* See table following parts list for part number applying to assembly wanted.

UNIT	APPLICATION
GCB-4803A,B	Brockway

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCB-20	2	Frame Screw
(GCB-2049)	1	Frame & Field Assembly
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-58	1	Terminal Post
GBW-66	1	Terminal Post Bottom Ins.
GBW-67	1	Terminal Post Bottom Ins.
GBY-38	4	Pole Piece Screw
GCB-29	2	Pole Piece
GCB-1005A	1	FIELD COIL ASSY.-COMP.
GCB-1007A	1	Field Coil Assy.-Left
GCE-26	1	Control Lead
GCE-34	1	Terminal Post
X-847	1	Terminal
IG-821	1	Terminal
GCB-1008	1	Field Coil - Right
GCE-60S	1	Mounting Bracket
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
MN-21	2	Dowel Pin
8X-113	2	5/16-24x5/8 Hex. Hd. Sc.
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
X-1014	2	5/16 Lock Washer
8X-1377	1	#10-32 Hex. Nut
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	2	#10 Lock Washer
X-203	2	5/16 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

DA-39	2	Flat Oil Guard
DA-132	1	Felt Washer
DH-7	1	Felt Washer
GAR-83	1	Comm. End Cap Cover
GBJ-25	1	End Cap Cover Gasket
GCE-55	1	Air Deflector
GCE-2050	1	Comm. End Plate Assembly
GCE-53	2	Brush Spring
GCE-54	2	Brush Arm
GCE-1012‡	2	Brush - Main
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
8X-62	6	#10-32x3/8 Flat Hd. Screw
X-195	1	#8 Lock Washer
X-295	1	BALL BEARING - S.A.E. #203
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DA-70	1	Armature Shaft Nut
GBM-21	1	Armature Shaft Nut
GCB-2050F	1	ARMATURE ASSEMBLY
SP-230	1	Ventilating Fan
X-160	1	7/16-20 Hex. Nut
X-205	1	7/16 Lock Washer
X-258	1	#3 Woodruff Key
X-261	1	#6 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GCE-2048	1	Drive End Head Assembly
GAU-31	1	Felt Washer
GCE-48	1	Drive End Head
GG-6	1	Bearing Retainer
GK-176	1	Felt Washer Retainer
GT-76	1	Felt Washer Retainer
GT-78	1	Felt Washer
X-196	3	#10 Lock Washer
X-295	1	BALL BEARING - S.A.E.#203
8X-311	3	#10-32x3/8 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

GCE-24C	1	Head Band
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 5-10-39)

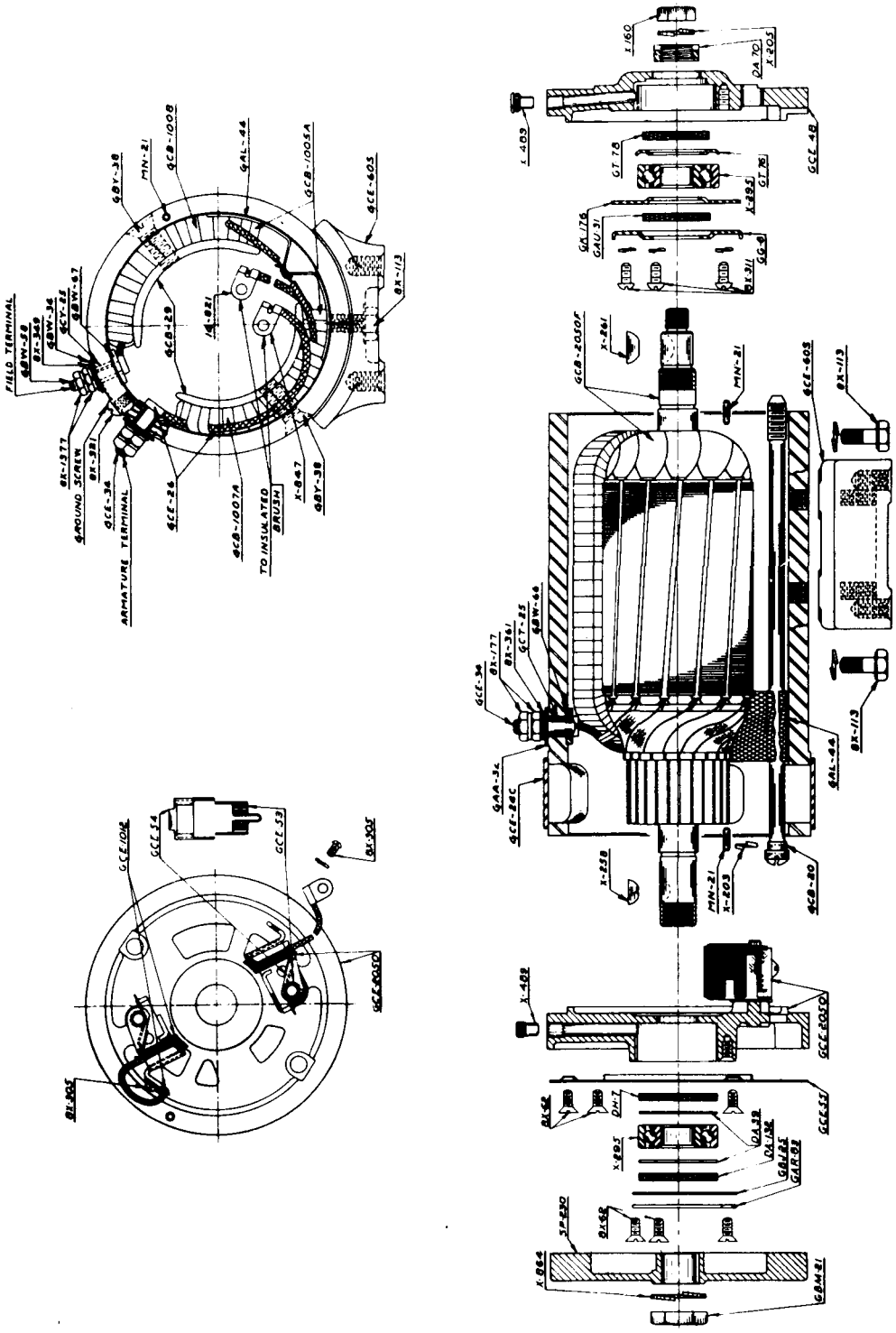
NOTE:- VRB-4008B CURRENT VOLTAGE REGULATOR is used with but is not a part of this generator.

‡ SERVICE BRUSH SET GCE-2012S.

UNIT	APPLICATION
GCB-4804	Brockway

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCB-4804 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part 1 2 3 4 5
GCB-20	2	Frame Screw
(GCB-2051)	1	Frame & Field Assembly
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-58	1	Terminal Post
GBW-66	1	Terminal Post Bottom Ins.
GBW-67	1	Terminal Post Bottom Ins.
GBY-38	4	Pole Piece Screw
GCB-29	2	Pole Piece
GCB-1005A	1	FIELD COIL ASSY.-COMP.
GCB-1007A	1	Field Coil Assy.-Left
GCE-26	1	Control Lead
GCE-34	1	Terminal Post
X-847	1	Terminal
IG-821	1	Terminal
GCB-1008	1	Field Coil - Right
GDL-25	1	Insulating Bushing
GDD-26	1	Insulating Bushing
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	2	#10 Lock Washer
X-203	2	5/16 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

DA-39	2	Flat Oil Guard
DA-132	1	Felt Washer
DH-7	1	Felt Washer
GAR-83	1	Comm. End Cap Cover
GBJ-25	1	End Cap Cover Gasket
GCE-55	1	Air Deflector
GCE-2050	1	Comm. End Plate Assembly
GCE-53	2	Brush Spring
GCE-54	2	Brush Arm
GCE-1012‡	2	Brush - Main
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
8X-62	6	#10-32x3/8 Flat Hd. Screw
X-195	1	#8 Lock Washer
X-295	1	BALL BEARING - S.A.E. #203
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-469	1	1/4 Oiler - Press in Type
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part 1 2 3 4 5
DG-73	1	Armature Shaft Sleeve
DG-75	1	Bearing Spacer
GBM-21	1	Armature Shaft Nut
GCB-2052F	1	ARMATURE ASSEMBLY
SP-230	1	Ventilating Fan
X-258	1	#3 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GCE-1064	1	Drive End Head Assembly
DG-72	2	Felt Guard - With Oil Well
DG-74	2	Bearing Retainer
G-118	2	Felt Washer
GCE-64	1	Drive End Head
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-300	1	BALL BEARING - S.A.E. #205
8X-306	3	#10-32x1 Rd. Hd. Screw
X-839	1	1/4 Oiler - Press in Type

Miscellaneous Parts

GCE-24C	1	Head Band
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 5-10-39)

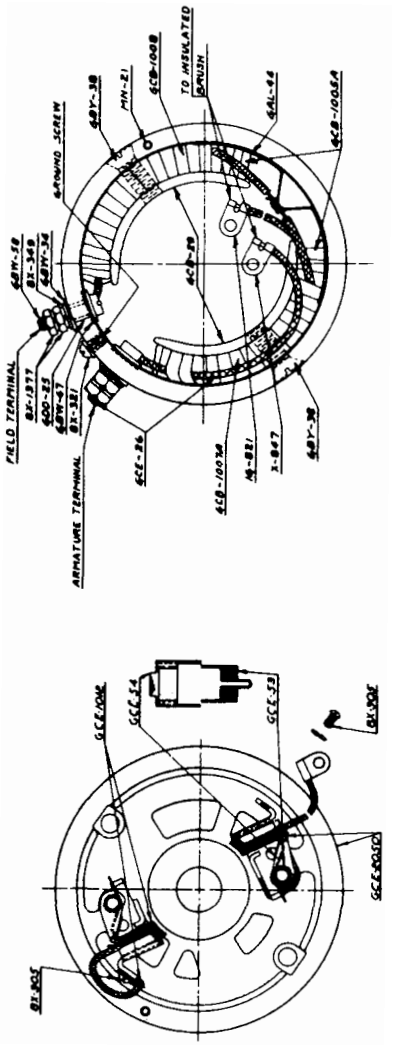
NOTE:- VRB-4008B CURRENT VOLTAGE REGULATOR is used with but is not a part of this generator.

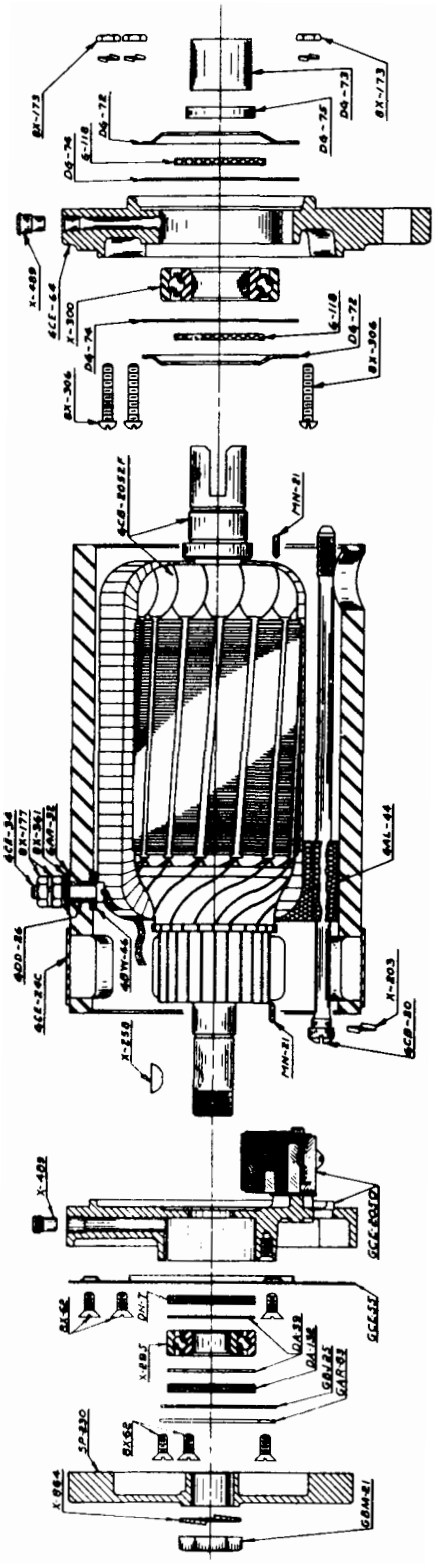
‡ SERVICE BRUSH SET GCE-2012S.

UNIT	APPLICATION
GCB-4805	Brockway

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCB-4805 GENERATOR ILLUSTRATION





Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCB-20A	2	Frame Screw
(GCB-2030)	1	Frame & Field Assy.
GAA-32	1	Term. Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-58	1	Terminal Post
GBY-38A	4	Pole Piece Screw
GCB-29	2	Pole Piece
GCB-1005A	1	Field Coil Assy. - Comp.
GCB-1007A	1	Field Coil Assy. - Left
GCE-26	1	Control Lead
GCE-34	1	Terminal Post
X-847	1	Terminal
IG-321	1	Terminal
GCB-1008	1	Field Coil - Right
GCB-28	1	Term. Post Bottom Ins.
GDD-25	1	Insulating Bushing
GDD-26	1	Insulating Bushing
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	2	#10 Lock Washer
12X-203	2	5/16 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

DA-22	1	Bearing Retaining Washer
DA-39	1	Flat Oil Guard
DA-60	1	Bearing Retaining Screw
DH-7	1	Felt Washer
GBJ-25	1	End Cap Cover Gasket
GBJ-32A	1	Comm. End Cap Cover
GCE-2002	1	Comm. End Plate Assy.
GCE-53	2	Brush Spring
GCE-54	2	Brush Arm
GCE-1012‡	2	Brush - Main
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-195	1	#8 Lock Washer
X-199	1	1/4 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
12X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GCB-2006F	1	Armature Assembly
GJ-104	1	Armature Shaft Spacer
X-261	1	#6 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GCE-1003	1	Drive End Head Assembly
GAU-31	1	Felt Washer
GCE-3	1	Drive End Head
GG-6	1	Bearing Retainer
GK-176	1	Felt Washer Retainer
GT-76	1	Felt Washer Retainer
GT-78	1	Felt Washer
X-196	3	#10 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
8X-311	3	#10-32x3/8 Rd. Hd. Sc.
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

GCE-24	1	Head Band
8X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

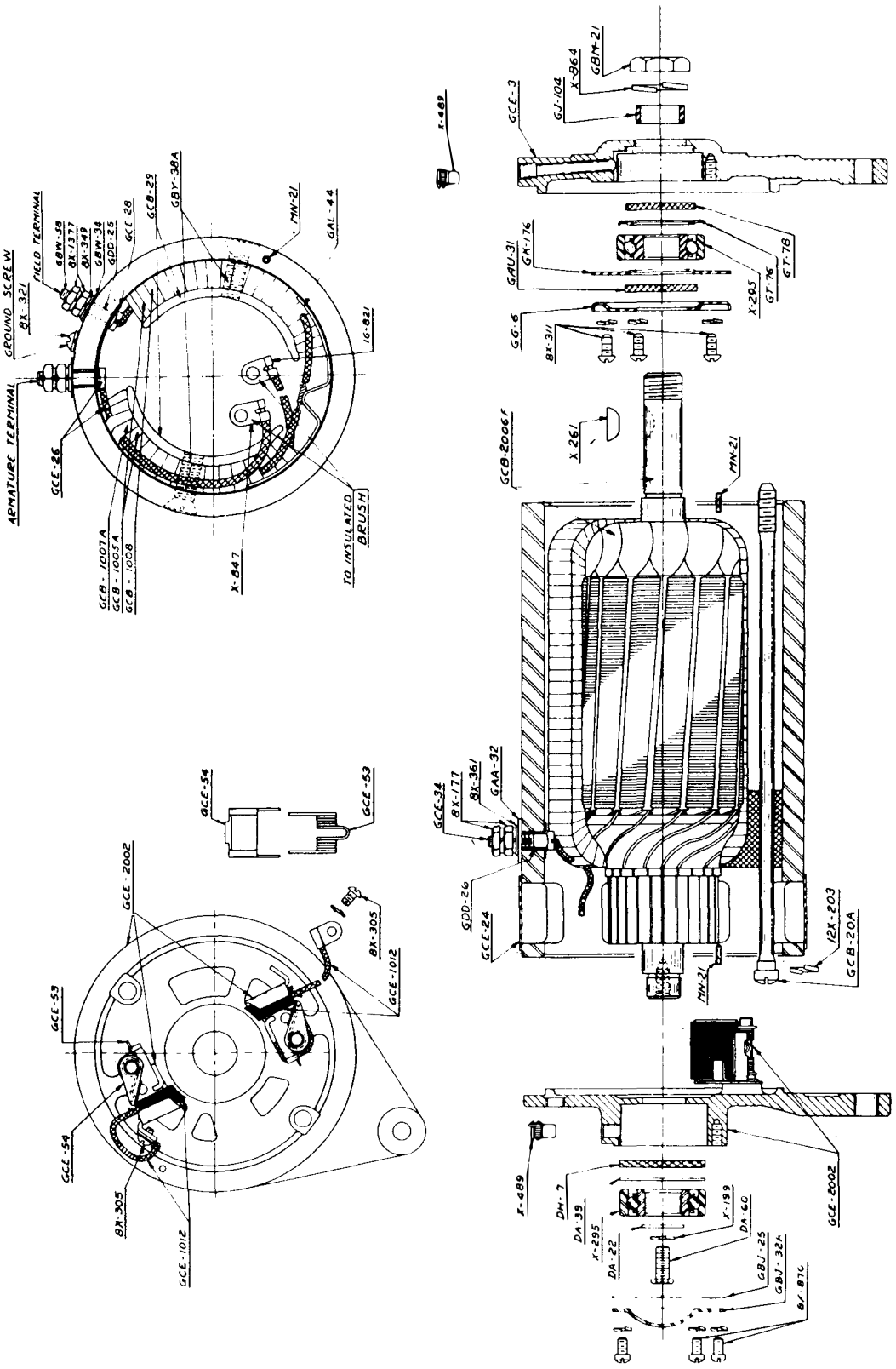
(Issued 6-23-37)

‡ Service Brush Set GCE-2012S.

NOTE:- VRB-4008B Current-Voltage Regulator is used with but is not a part of this generator.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCB-4806 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCB-20	2	Frame Screw
(GCB-2054)	1	Frame & Field Assy.
GAA-32	1	Term. Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-58	1	Terminal Post
GBY-38	4	Pole Piece Screw
GCB-29	2	Pole Piece
GCB-55S	1	Mounting Bracket
GCB-1005A	1	Field Coil Assy. - Comp.
GCB-1007A	1	Field Coil Assy.-Left
GCE-26	1	Control Lead
GCE-34	1	Terminal Post
X-847	1	Terminal
IG-821	1	Terminal
GCB-1008	1	Field Coil-Right
GCE-28	1	Term. Post Bottom Ins.
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
MN-21	2	Dowel Pin
X-113	4	5/16-24x5/8 Hex. Hd. Sc.
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
X-203	4	5/16 Lock Washer
8X-349	1	#10 Lock Washer
8X-361	1	1/4 Plain Washer
5X-1377	1	#10-32 Hex. Nut
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	2	#10 Lock Washer
X-203	2	5/16 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
5X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

DA-39	2	Flat Oil Guard
DA-132	1	Felt Washer
DH-7	1	Felt Washer
GAR-83A	1	Comm. End Cap Cover
GBJ-25	1	End Cap Cover Gasket
(GCE-2047A)	1	Comm. End Plate Assy.
GCE-53	2	Brush Spring
GCE-54	2	Brush Arm
GCE-1012‡	2	Brush - Main
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
GJ-329	1	Armature Shaft Nut
X-195	1	#8 Lock Washer
X-295	1	Ball Bearing - S.A.E. #203
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-344	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GCB-2053F	1	Armature Assembly
GJ-104	1	Armature Shaft Spacer
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GCE-2048	1	Drive End Head Assy.
GAU-31	1	Felt Washer
GCE-48	1	Drive End Head
GG-6	1	Bearing Retainer
GK-176	1	Felt Washer Retainer
GT-76	1	Felt Washer Retainer
GT-78	1	Felt Washer
X-196	3	#10 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
8X-311	3	#10-32x3/8 Rd. Hd. Sc.
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

GCE-24C	1	Head Band
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

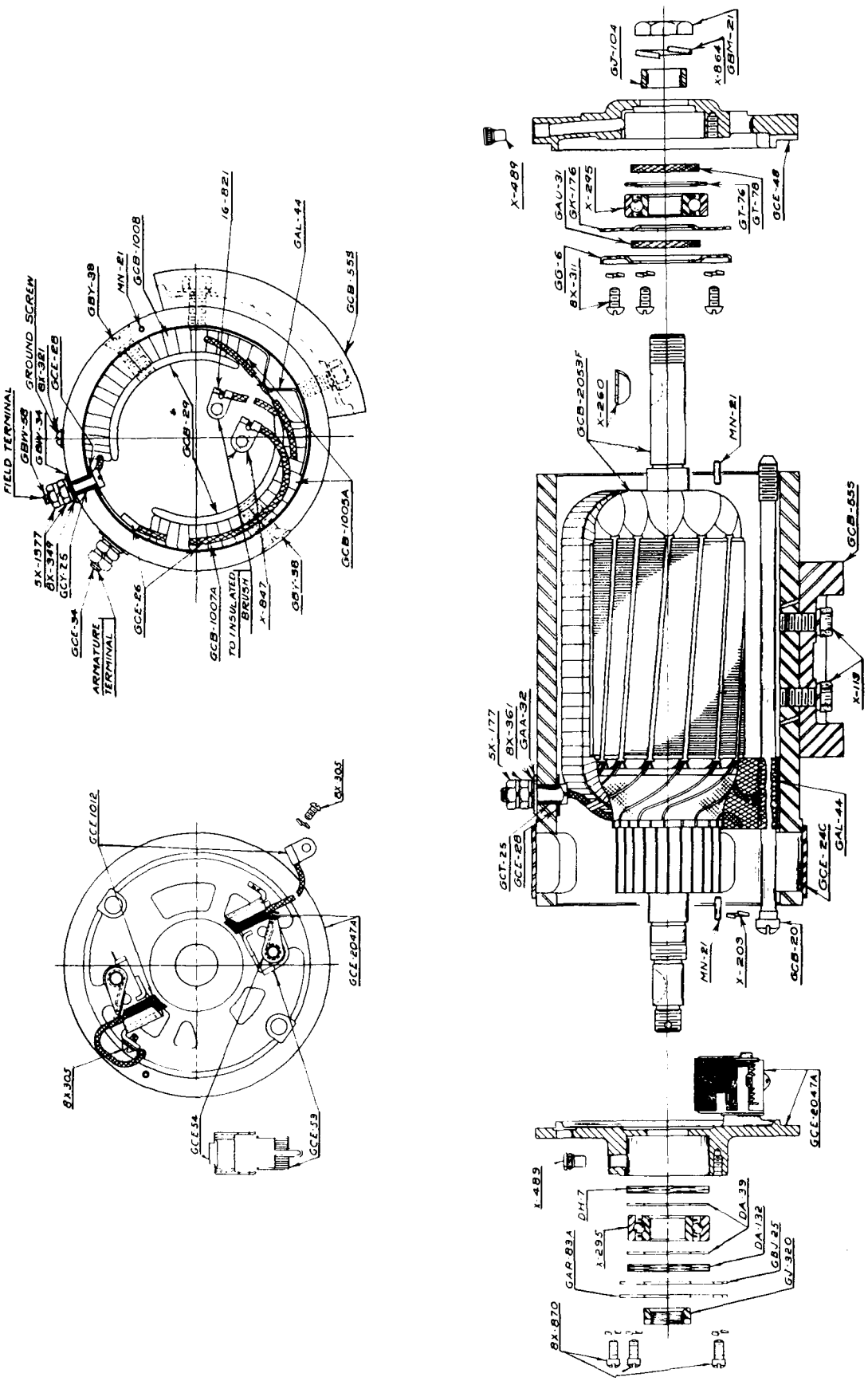
(Issued 6-23-37)

* Service Brush Set GCE-2012S.

NOTE:- VRB-4008B Current-Voltage Regulator used with but not a part of this generator.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCB-4808 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCB-20	2	Frame Screw
(GCB-2030A)	1	Frame & Field Assy.
GAA-32	1	Term. Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBN-58	1	Terminal Post
GBY-38	4	Pole Piece Screw
GCB-29	2	Pole Piece
GCB-1005A	1	Field Coil Assy. - Comp.
GCB-1007A	1	Field Coil Assy.-Left
GCE-26	1	Control Lead
GCE-34	1	Terminal Post
X-847	1	Terminal
IG-821	1	Terminal
GCB-1008	1	Field Coil - Right
GCE-28	1	Term. Post Bottom Ins.
GDD-25	1	Insulating Bushing
GDD-26	1	Insulating Bushing
MN-21	2	Dowel Pin
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
5X-1377	1	#10-32 Hex. Nut
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	2	#10 Lock Washer
X-203	2	5/16 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
5X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

DA-22	1	Bearing Retaining Washer
DA-39	1	Flat Oil Guard
DA-60	1	Bearing Retaining Screw
DH-7	1	Felt Washer
GBJ-25	1	End Cap Cover Gasket
GBJ-32	1	Comm. End Cap Cover
(GCE-2002C)	1	Comm. End Plate Assy.
GCE-53	2	Brush Spring
GCE-54	2	Brush Arm
GCE-1012‡	2	Brush - Main
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-195	1	#8 Lock Washer
X-199	1	1/4 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GCB-2006F	1	Armature Assembly
SP-267	1	Drive Pulley
X-261	1	#6 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GCE-1003D	1	Drive End Head Assy.
GAU-31	1	Felt Washer
GCE-3D	1	Drive End Head
GG-6	1	Bearing Retainer
GK-176	1	Felt Washer Retainer
GT-76	1	Felt Washer Retainer
GT-78	1	Felt Washer
X-196	3	#10 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
8X-311	3	#10-32x3/8 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

GCE-24C	1	Head Band
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

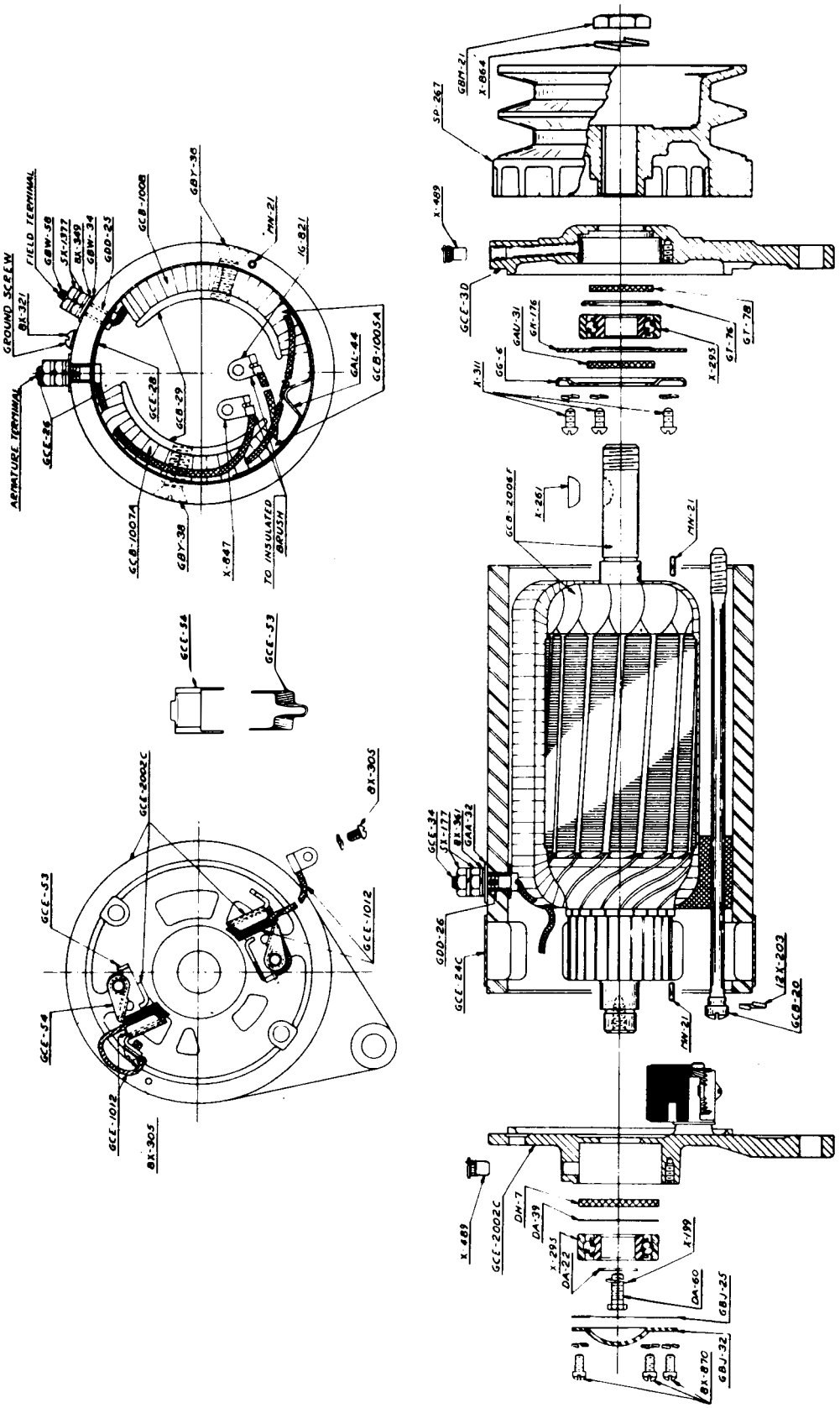
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‡ Service Brush Set GCE-2012S.

NOTE:-VRB-4008B Current-Voltage Regulator used with but not a part of this generator.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCB-4809A GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCB-20A	2	Frame Screw
(GCB-2030)	1	Frame & Field Assy.
GAA-32	1	Term. Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-58	1	Terminal Post
GBW-66	1	Term. Post Bottom Ins.
GBW-67	1	Term. Post Bottom Ins.
GBY-38A	4	Pole Piece Screw
GCB-29	2	Pole Piece
GCB-1005A	1	Field Coil Assy. - Comp.
GCB-1007A	1	Field Coil Assy.-Left
GCE-26	1	Control Lead
GCE-34	1	Terminal Post
X-847	1	Terminal
IG-821	1	Terminal
GCB-1008	1	Field Coil - Right
GDD-25	1	Insulating Bushing
GDD-26	1	Insulating Bushing
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	2	#10 Lock Washer
12X-203	2	5/16 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

DA-22	1	Bearing Retaining Washer
DA-39	1	Flat Oil Guard
DA-60	1	Bearing Retaining Screw
DH-7	1	Felt Washer
GBJ-25	1	End Cap Cover Gasket
GBJ-32A	1	Comm. End Cap Cover
GCE-2002	1	Comm. End Plate Assy.
GCE-53	2	Brush Spring
GCE-54	2	Brush Arm
GCE-1012‡	2	Brush - Main
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Sc.
X-195	1	#8 Lock Washer
X-199	1	1/4 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
12X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Sc.
		1 2 3 4 5

See table following parts list for part number applying to assembly wanted.

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GCB-2059F	1	Armature Assembly
*	1	Drive Pulley
X-263	1	#8 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GCE-1082	1	Drive End Head Assy.
GAR-178	2	Bearing Retainer
GAR-179	2	Felt Guard
GCE-82	1	Drive End Head
GJ-147	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-298	1	Ball Brg. - S.A.E. #204
8X-306	3	#10-32x1 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

GCE-24	1	Head Band
8X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 12/9/38)

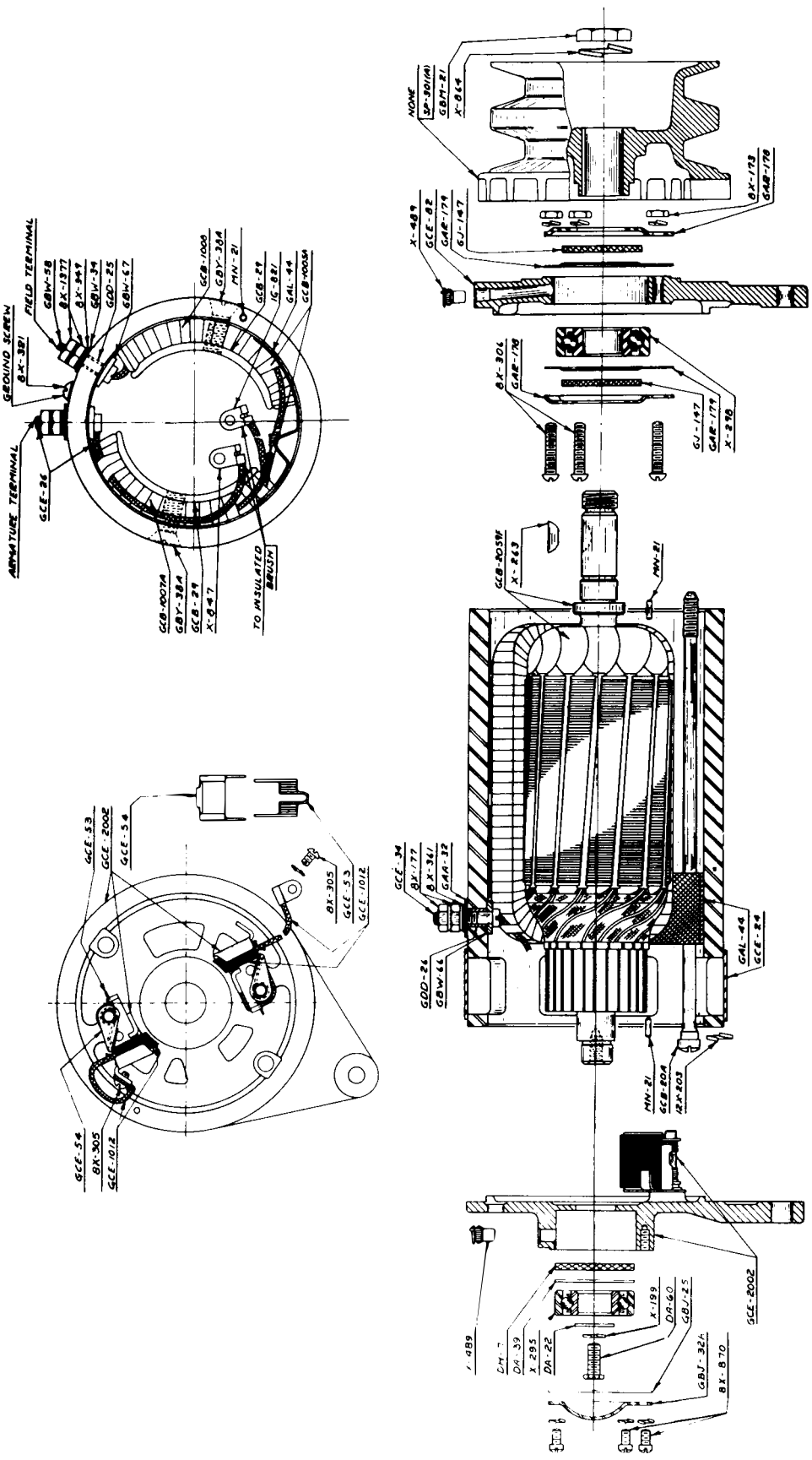
Assembly No.	Drive Pulley
GCB-4810	None
GCB-4810A	SP-301

NOTE:- VRB-4009A Current-Voltage Regulator is used with but is not a part of this generator.

‡ Service Brush Set GCE-2012S.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCB-4810,A GENERATOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

PRELIMINARY

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCB-20A	2	Frame Screw
(GCB-3056)	1	Frame & Field Assembly
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-66	1	Term. Post Bottom Ins.
GBW-67	1	Term. Post Bottom Ins.
GBY-38A	4	Pole Piece Screw
GCB-29	2	Pole Piece
GCB-2005	1	FIELD COIL ASSY.- Comp.
GBW-58	1	Terminal Post
GCB-1007B	1	Field Coil Assy.-Left
GCE-26	1	Control Lead
GCE-34	1	Terminal Post
X-847	1	Terminal
GCB-1008A	1	Field Coil Assy.-Right
IG-821	1	Terminal
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	2	#10 Lock Washer
12X-203	2	5/16 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

DA-22	1	Bearing Retaining Washer
DA-39	1	Flat Oil Guard
DA-60	1	Bearing Retaining Screw
DH-7	1	Felt Washer
GBJ-25	1	End Cap Cover Gasket
GBJ-32A	1	Comm. End Cap Cover
GCB-3076	1	Comm. End Plate Assembly
GCE-53	2	Brush Spring
GCE-54	2	Brush Arm
GCE-1012†	2	Brush - Main
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-195	1	#8 Lock Washer
X-199	1	1/4 Lock Washer
X-295	1	BALL BEARING - S.A.E. #203
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
12X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GCB-2006F	1	ARMATURE ASSEMBLY
*	1	Drive Pulley
X-261	1	#6 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GCE-1003	1	Drive End Head Assembly
GAU-31	1	Felt Washer
GCE-3	1	Drive End Head
GG-6	1	Bearing Retainer
GK-176	1	Felt Washer Retainer
GT-76	1	Felt Washer Retainer
GT-78	1	Felt Washer
X-196	3	#10 Lock Washer
X-295	1	BALL BRG. - S.A.E. #203
8X-311	3	#10-32x3/8 Rd. Hd. Sc.
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

GCE-24	1	Head Band
8X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 5-16-41)

Assembly No.	Drive Pulley
GCB-4811	None
GCB-4811A	SP-222

† SERVICE BRUSH SET GCE-2012S.

* See table following parts list for part number applying to assembly wanted.

NOTE:- VRP-4001E CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GCB-4811,A	Chrysler Marine

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part 1 2 3 4 5
GCB-20	2	Frame Screw
GCB-67	1	Mounting Bracket
(GCB-2030A)	1	Frame & Field Assy.
GAA-32	1	Term. Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-58	1	Terminal Post
GBW-66	1	Term. Post Bottom Ins.
GBW-67	1	Term. Post Bottom Ins.
GBY-38	4	Pole Piece Screw
GCB-29	2	Pole Piece
GCB-1005A	1	FIELD COIL ASSY.-COMP.
GCB-1007A	1	Field Coil Assy.-Left
GCE-26	1	Control Lead
GCE-34	1	Terminal Post
X-847	1	Terminal
IG-821	1	Terminal
GCB-1008	1	Field Coil - Right
GDD-25	1	Insulating Bushing
GDD-26	1	Insulating Bushing
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
5X-1377	1	#10-32 Hex. Nut
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	2	#10 Lock Washer
X-203	2	5/16 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Sc.
X-402	2	1/16x3/4 Cotter Pin
8X-863B	2	5/16-24x1 1/4 Hex. Hd. Sc.
X-1014	2	5/16 Lock Washer
8X-1061	2	5/16-24 Castellated Nut
5X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

DA-22	1	Bearing Retaining Washer
DA-39	1	Flat Oil Guard
DA-60	1	Bearing Retaining Screw
DH-7	1	Felt Washer
GBJ-25	1	End Cap Cover Gasket
GBJ-32	1	Comm. End Cap Cover
GCE-2002F	1	Comm. End Plate Assy.
GCE-53	2	Brush Spring
GCE-54	2	Brush Arm
GCE-1012†	2	Brush - Main
X-195	1	#8 Lock Washer
X-305	1	#8-32x1/4 Rd. Hd. Sc.
X-195	1	#8 Lock Washer
X-199	1	1/4 Lock Washer
X-295	1	BALL BRG. - S.A.E. #203
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler-Press in Type
X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Sc.

1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part 1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GCB-2006F	1	ARMATURE ASSEMBLY
SP-218	1	Drive Pulley
X-261	1	#6 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GCE-1003E	1	Drive End Head Assy.
GAU-31	1	Felt Washer
GCE-3E	1	Drive End Head
GG-6	1	Bearing Retainer
GK-176	1	Felt Washer Retainer
GT-76	1	Felt Washer Retainer
GT-78	1	Felt Washer
X-196	3	#10 Lock Washer
X-295	1	BALL BRG. - S.A.E. #203
8X-311	3	#10-32x3/8 Rd. Hd. Sc.
X-489	1	1/4 Oiler-Press in Type

Miscellaneous Parts

GCE-24C	1	Head Band
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut

1 2 3 4 5

(Issued 2-24-39)

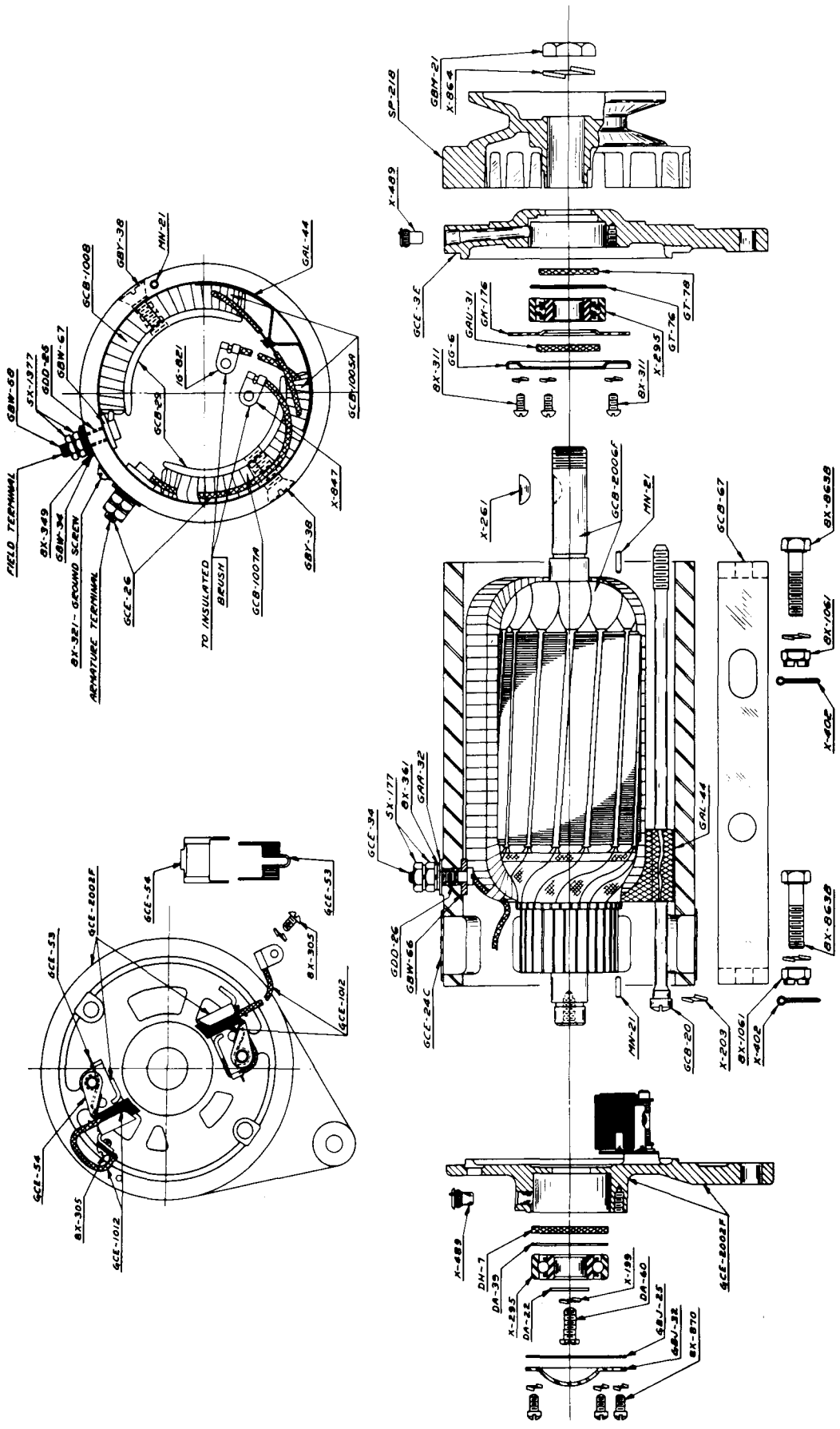
NOTE:- VRB-4008B CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

† SERVICE BRUSH SET GCE-2012S.

UNIT	APPLICATION
GCB-4814A	Diamond T

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCB-4814A GENERATOR ILLUSTRATION



Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCB-20	2	Frame Screw
GCB-33S	1	Mounting Bracket
(GCB-2069)	1	Frame & Field Assembly
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-58	1	Terminal Post
GBW-66	1	Terminal Post Bottom Ins.
GBW-67	1	Terminal Post Bottom Ins.
GBY-38	4	Pole Piece Screw
GCB-29	2	Pole Piece
GCB-1005A	1	FIELD COIL ASSY.- COMP.
GCB-1007A	1	Field Coil Assy.-Left
GCE-26	1	Control Lead
GCE-34	1	Terminal Post
X-847	1	Terminal
IG-821	1	Terminal
GCB-1008	1	Field Coil - Right
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	2	#10 Lock Washer
X-201	4	3/8 Lock Washer
X-203	2	5/16 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
X-465	4	3/8-24x3/4 Hex. Hd. Screw
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assy. & Parts Used With

DA-22	1	Bearing Retaining Washer
DA-39	1	Flat Oil Guard
DA-60	1	Bearing Retaining Screw
DH-7	1	Felt Washer
GBJ-25	1	End Cap Cover Gasket
GBJ-32	1	Comm. End Cap Cover
GCE-2047A	1	Comm. End Plate Assembly
GCE-53	2	Brush Spring
GCE-54	2	Brush Arm
GCE-1012‡	2	Brush - Main
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-195	1	#8 Lock Washer
X-199	1	1/4 Lock Washer
X-295	1	BALL BEARING - S.A.E. #203
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
X-544	3	#10 Lock Washer
X-870	3	#10-32x5/16 Fill. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GCB-2006F	1	ARMATURE ASSEMBLY
SP-218	1	Drive Pulley
X-261	1	#6 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assy. & Parts Used With

GCE-2048	1	Drive End Head Assembly
GAU-31	1	Felt Washer
GCE-48	1	Drive End Head
GG-6	1	Bearing Retainer
GK-176	1	Felt Washer Retainer
GT-76	1	Felt Washer Retainer
GT-78	1	Felt Washer
X-196	3	#10 Lock Washer
X-295	1	BALL BRG. - S.A.E. #203
8X-311	3	#10-32x3/8 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

GCE-24C	1	Head Band
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 9-8-39)

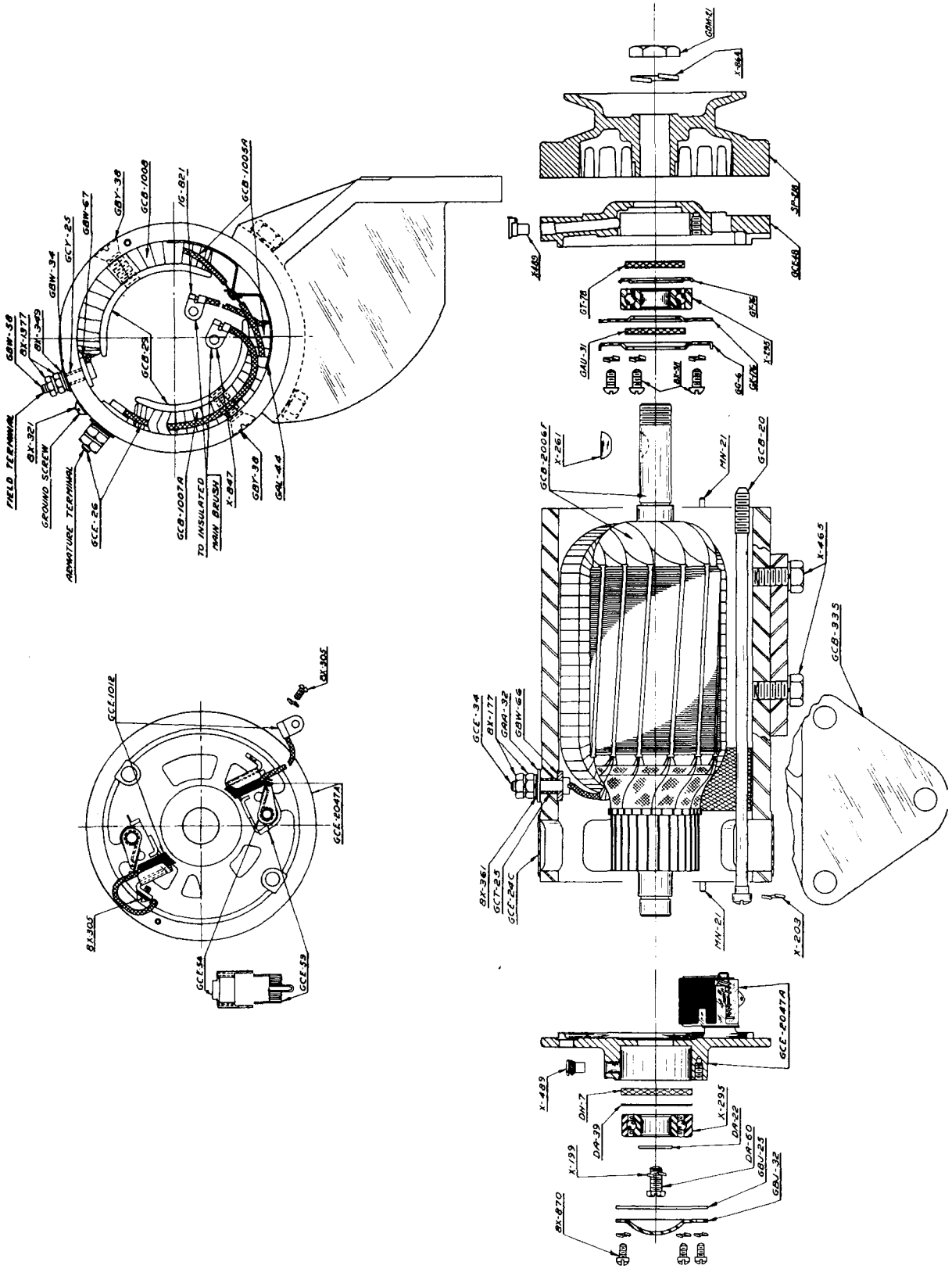
NOTE:- VRP-4006B CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

‡ Service BRUSH SET GCE-2012S.

UNIT	APPLICATION
GCB-4815A	Diamond T

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCB-4815A GENERATOR ILLUSTRATION



Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCB-20	2	Frame Screw
GCB-67	1	Mounting Bracket
(GCB-2030A)	1	Frame & Field Assembly
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-58	1	Terminal Post
GBW-66	1	Terminal Post Bottom Ins.
GBW-67	1	Terminal Post Bottom Ins.
GBY-38	4	Pole Piece Screw
GCB-29	2	Pole Piece
GCB-1005A	1	FIELD COIL ASSY. - COMP.
GCB-1007A	1	Field Coil Assy.-Left
GCE-26	1	Control Lead
GCE-34	1	Terminal Post
X-847	1	Terminal
IG-821	1	Terminal
GCB-1008	1	Field Coil - Right
GDD-25	1	Insulating Bushing
GDD-26	1	Insulating Bushing
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
5A-1377	1	#10-32 Hex. Nut
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	2	#10 Lock Washer
X-203	2	5/16 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
X-402	2	1/16x3/4 Cotter Pin
8X-863B	2	5/16-24x1 1/4 Hex. Hd. Screw
X-1014	2	5/16 Lock Washer
8X-1061	2	5/16-24 Castellated Nut
5X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assy. & Parts Used With

DA-22	1	Bearing Retaining Washer
DA-39	1	Flat Oil Guard
DA-60	1	Bearing Retaining Screw
DH-7	1	Felt Washer
GBJ-25	1	End Cap Cover Gasket
GBJ-32	1	Comm. End Cap Cover
(GCB-2002F)	1	Comm. End Plate Assembly
GCE-53	2	Brush Spring
GCE-54	2	Brush Arm
GCE-1012‡	2	Brush - Main
X-195	1	#8 Lock Washer
X-305	1	#8-32x1/4 Rd. Hd. Screw
X-195	1	#8 Lock Washer
X-199	1	1/4 Lock Washer
X-295	1	BALL BEARING - S.A.E. #203
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
X-544	3	#10 Lock Washer
X-870	3	#10-32x5/16 Fill. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GCB-2006F	1	ARMATURE ASSEMBLY
SP-218	1	Drive Pulley
X-261	1	#6 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assy. & Parts Used With

GCE-1092	1	Drive End Head Assembly
GAU-31	1	Felt Washer
GCE-92	1	Drive End Head
GG-6	1	Bearing Retainer
GK-176	1	Felt Washer Retainer
GT-76	1	Felt Washer Retainer
GT-78	1	Felt Washer
X-196	3	#10 Lock Washer
X-295	1	BALL BRG. - S.A.E. #203
8X-311	3	#10-32x3/8 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

GCE-24C	1	Head Band
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 9-8-39)

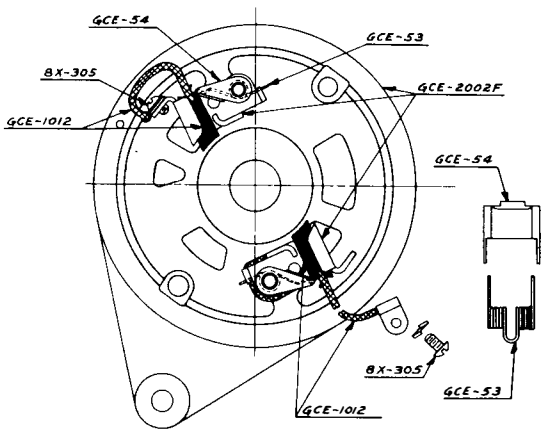
NOTE:- VRP-4006B CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

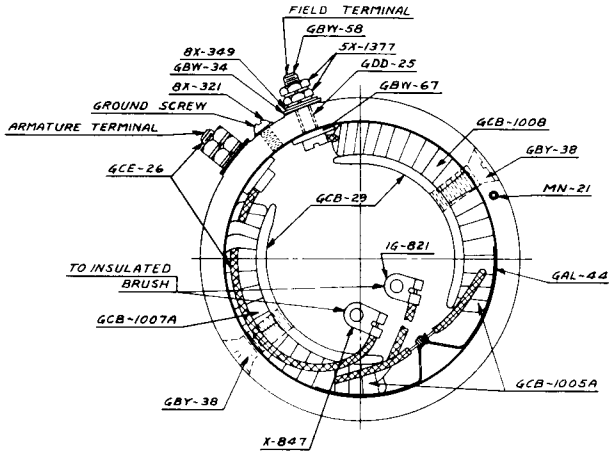
‡ Service BRUSH SET GCE-2012S.

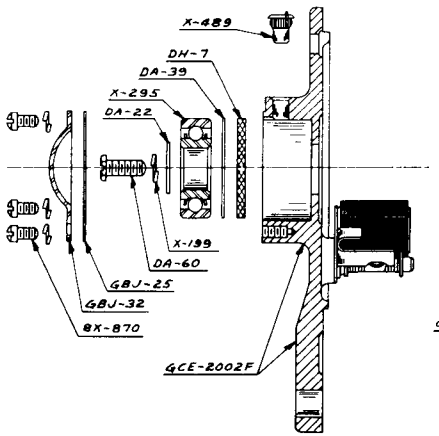
UNIT	APPLICATION
GCB-4817A	Diamond T

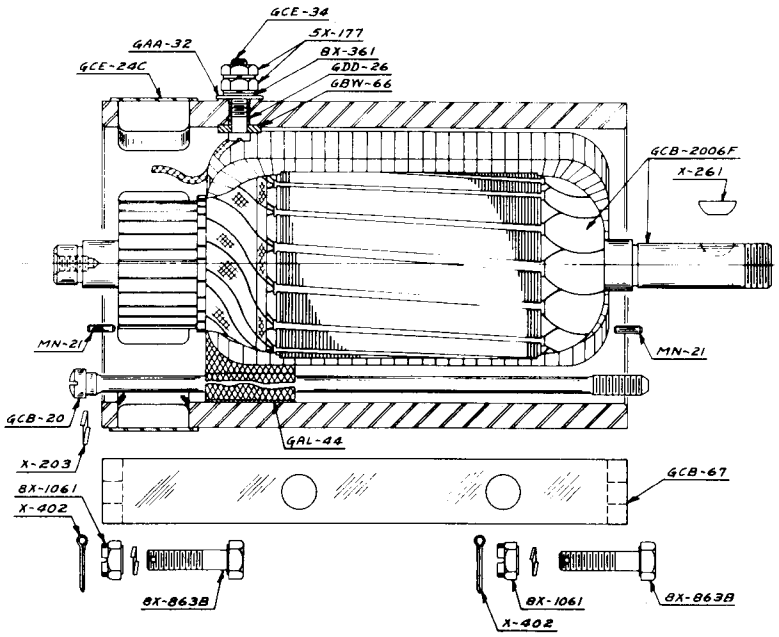
"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

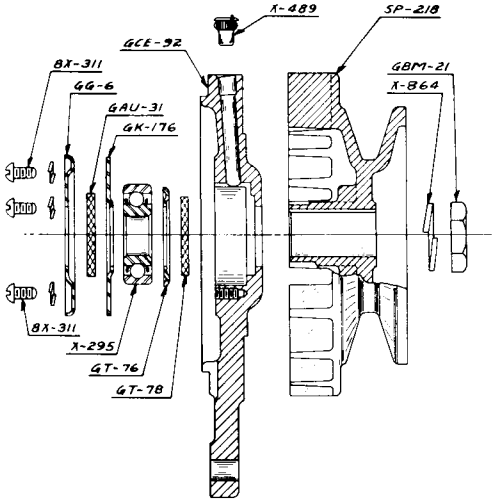
GCB-4817A GENERATOR ILLUSTRATION











Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCB-20	2	Frame Screw
(GCB-2062)	1	Frame & Field Assembly
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-66	1	Terminal Post Bottom Ins.
GBW-67	1	Terminal Post Bottom Ins.
GBY-38	4	Pole Piece Screw
GCB-29	2	Pole Piece
GCB-1005A	1	FIELD COIL ASSY.- Comp.
GBW-58	1	Terminal Post
GCB-1007A	1	Field Coil Assy.-Left
GCE-26	1	Control Lead
GCE-34	1	Terminal Post
X-847	1	Terminal
IG-821	1	Terminal
GCB-1008	1	Field Coil - Right
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
MN-21	2	Dowel Pin
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
5X-1377	1	#10-32 Hex. Nut
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	2	#10 Lock Washer
X-203	2	5/16 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
5X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

DA-39	2	Flat Oil Guard
DA-132	1	Felt Washer
DH-7	1	Felt Washer
GAR-83	1	Comm. End Cap Cover
GBJ-25	1	End Cap Cover Gasket
GCE-55	1	Air Deflector
GCE-2050	1	Comm. End Plate Assembly
GCE-53	2	Brush Spring
GCE-54	2	Brush Arm
GCE-1012†	2	Brush - Main
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
8X-62	6	#10-32x3/8 Flat Hd. Screw
X-195	1	#8 Lock Washer
X-295	1	BALL BEARING - S.A.E. #203
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAR-1177	1	Oil Thrower Assembly
GBM-21	1	Armature Shaft Nut
GCB-2065F	1	ARMATURE ASSEMBLY
SP-230	1	Ventilating Fan
X-157	1	1/2-20 Slotted Nut
X-258	1	#3 Woodruff Key
X-263	1	#8 Woodruff Key
X-358	1	1/2 Plain Steel Washer
X-404	1	3/32x1 Cotter Pin
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GCE-1076	1	Drive End Head Assembly
GCE-76	1	Drive End Head
GX-9	1	Bearing Retainer
GX-10	1	Gasket
X-196	3	#10 Lock Washer
8X-311	3	#10-32x3/8 Rd. Hd. Sc.
X-378	1	BALL BEARING - Oil Seal

Miscellaneous Parts

GCE-24C	1	Head Band
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 5-16-41)

† SERVICE BRUSH SET GCE-2012S.

NOTE:- VRP-4006B CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GCB-4820	Brockway

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

PRELIMINARY

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCD-20	2	Frame Screw
(GCD-2001)	1	Frame & Field Assembly
GAA-32	1	Terminal Post Top Ins.
GAU-45	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-66	1	Terminal Post Bottom Ins.
GBW-67	1	Terminal Post Bottom Ins.
GBY-29	2	Pole Piece
GBY-38	4	Pole Piece Screw
GCD-1005	1	FIELD COIL ASSY.- Comp.
GCD-1007	1	Field Coil Assy.-Left
GCD-25	1	Lead Assembly
GCE-34	1	Terminal Post
X-847	1	Terminal
IG-821	1	Terminal
GCD-1008	1	Field Coil Assy.-Right
GCE-27	1	Terminal Post
GDD-27	1	Insulating Bushing
GDD-28	1	Insulating Bushing
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
8X-159	2	3/8-24 Hex. Nut
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	2	#10 Lock Washer
X-201	2	3/8 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

DB-17	2	Felt Guard
DD-44	1	End Cap Cover Gasket
GBY-28	1	Felt Washer
GCD-27	1	Comm. End Cap Cover
GCD-28	1	Felt Washer
GCD-30	1	Air Deflector
GCD-2002	1	Comm. End Plate Assembly
GBY-25	2	Brush Spring
GBY-34	2	Brush Arm
GBY-1012†	2	Brush - Main
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-62	6	#10-32x3/8 Flat Hd. Screw
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
X-867	1	BALL BEARING
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DG-1144	1	Oil Thrower
GBM-21	1	Armature Shaft Nut
GCD-2006F	1	ARMATURE ASSEMBLY
SP-136	1	Ventilating Fan
X-157	1	1/2-20 Slotted Nut
X-260	1	#5 Woodruff Key
X-263	1	#8 Woodruff Key
X-358	1	1/2 Plain Steel Washer
X-404	1	3/32x1 Cotter Pin
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GCD-1003	1	Drive End Head Assembly
DG-143	1	Bearing Retainer
GCD-3	1	Drive End Head
8X-66	3	#10-32x1/2 Flat Hd. Screw
X-413	1	BALL BRG. - Shielded - S.A.E. #304

Miscellaneous Parts

GCD-24	1	Head Band
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 5-16-41)

† SERVICE BRUSH SET GCD-2012S.

NOTE:- VRS-4005C CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GCD-4801	Diamond T, Maxim

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCD-20	2	Frame Screw
GCD-48S	1	Mounting Bracket
(GCD-2047)	1	Frame & Field Assembly
GAA-32	1	Terminal Post Top Ins.
GAU-45	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-66	1	Terminal Post Bottom Ins.
GBW-67	1	Terminal Post Bottom Ins.
GBY-29	2	Pole Piece
GBY-38	4	Pole Piece Screw
GCD-1005	1	FIELD COIL ASSY. - COMP.
GCD-1007	1	Field Coil Assy.- Left
GCD-25	1	Lead Assembly
GCE-34	1	Terminal Post
X-847	1	Terminal
IG-821	1	Terminal
GCD-1008	1	Field Coil Assy.-Right
GCE-27	1	Terminal Post
GDD-27	1	Insulating Bushing
GDD-28	1	Insulating Bushing
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
8X-113	2	5/16-24x5/8 Hex. Hd. Screw
8X-159	2	3/8-24 Hex. Nut
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	2	#10 Lock Washer
X-201	2	3/8 Lock Washer
X-203	2	5/16 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assy. & Parts Used With

DA-22	1	Bearing Retaining Washer
DA-60	1	Bearing Retaining Screw
DB-17	1	Felt Guard
DD-24C	1	End Cap Cover
DD-44	1	End Cap Cover Gasket
GBY-28	1	Felt Washer
GCD-2032	1	Comm. End Plate Assy.
GBY-25	2	Brush Spring
GBY-34	2	Brush Arm
GBY-1012‡	2	Brush - Main
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-195	1	#8 Lock Washer
X-199	1	1/4 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
X-544	3	#10 Lock Washer
X-867	1	BALL BEARING
8X-870	3	#10-32x5/16 Fill. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GCD-2031F	1	ARMATURE ASSEMBLY
*	1	Drive Pulley
X-263	1	#8 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assy. & Parts Used With

GCD-1033	1	Drive End Head Assy.
GAB-188	2	Felt Washer
GAR-179	2	Felt Guard
GBY-27	2	Bearing Retainer
GCD-33	1	Drive End Head
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
8X-306	3	#10-32x1 Rd. Hd. Screw
X-365	1	BALL BRG. - S.A.E. #303
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

GCD-24	1	Head Band
8X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 10-18-39)

Assembly No.	Drive Pulley
GCD-4803A	SP-340
GCD-4803B	SP-380

‡ SERVICE BRUSH SET GCD-2012S.

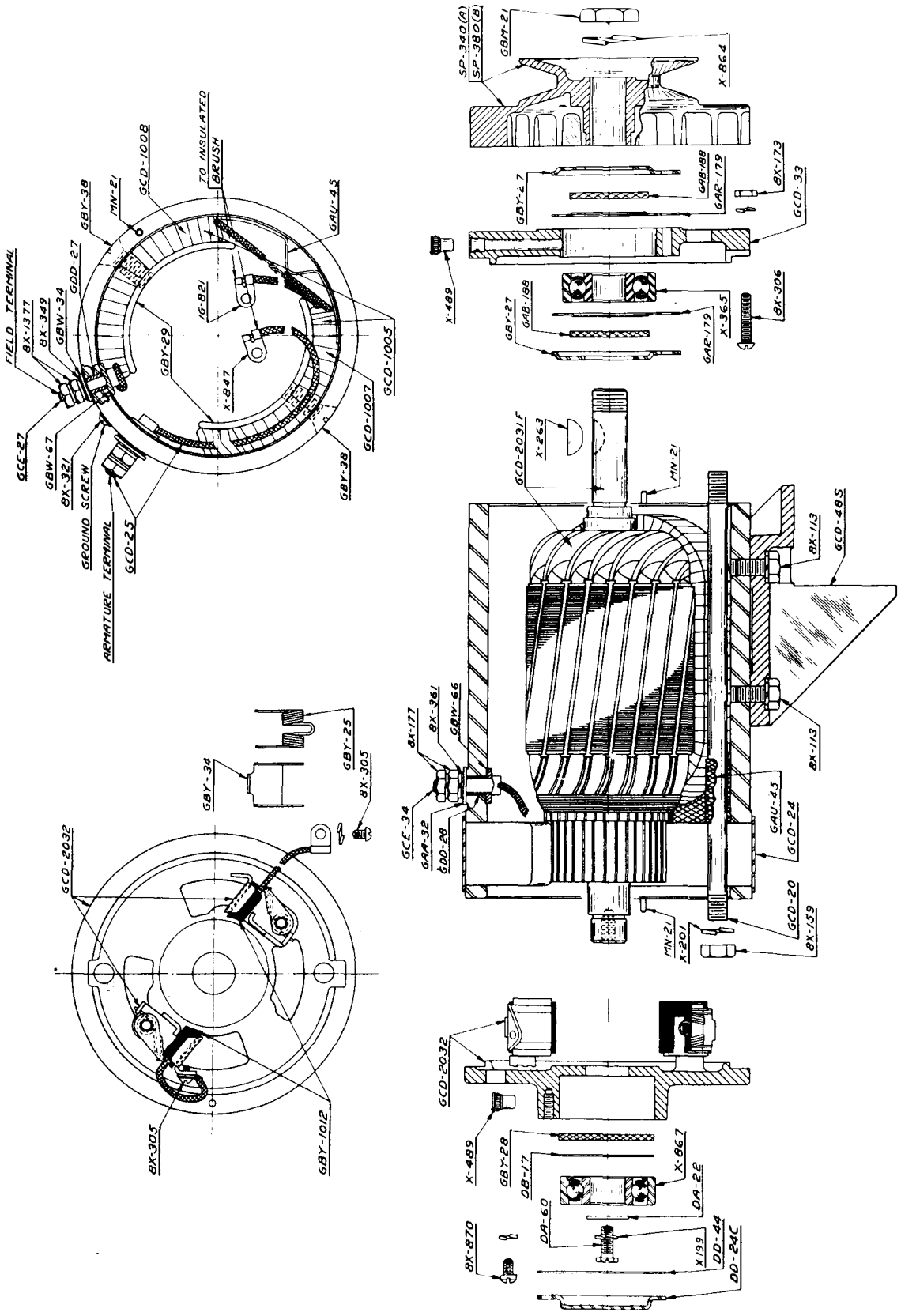
* See table following parts list for part number applying to assembly wanted.

NOTE:- VRS-4005C CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GCD-4803A,B	White

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCD-4803A,B GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GCD-20A	2	Bolt, Thru
(GCD-2091)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term.
GAU-45	1	Insulation, Field Connection
GBW-34	1	Washer, Ins., Field Term.
GBW-66	1	Insulation, Arm. Term., Inner
GBW-67	1	Insulation, Field Term., Inner
GBY-38A	4	Screw, Pole Shoe
GCD-69S	1	Bracket, Mounting
GCD-1005	1	COIL ASSY., FIELD, COMPLETE
GCD-1007	1	Coil Assy., Field, Left
GCD-25	1	Lead Assy.
GCE-34	1	Stud, Arm. Term., #14-24
X-1425	1	Terminal
X-1425	1	Terminal
GCD-1008	1	Coil Assy., Field, Right
GCE-27	1	Stud, Field Term., #10-32
GDD-27	1	Bushing, Ins., Field Term.
GDD-28	1	Bushing, Ins., Arm. Term.
MN-21	2	Pin, Dowel
X-115	4	Screw, Bracket, Hex. Hd. 5/16-24x3/4
8X-177	2	Nut, Arm. Term., Hex. #14-24
X-193	2	Lockwasher, Arm. Term., #14
X-196	2	Lockwasher, Field Term., #10
8X-349	1	Washer, Field Term., Plain #10
8X-361	1	Washer, Arm. Term., Plain 1/4
12X-1014	4	Lockwasher, Bracket Sc., 5/16
8X-1377	2	Nut, Field Term., Hex. #10-32
8X-159	2	Nut, Thru Bolt, Hex. 3/8-24
X-196	1	Lockwasher, Ground Screw, #10
12X-201	2	Lockwasher, Thru Bolt, 3/8
8X-321	1	Screw, Ground Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

Part No.	No. Used	Name of Part
DB-17	2	Washer, Plain, Felt Retaining
DD-44	1	Gasket, C.E. Cover
GBY-28	1	Washer, Felt, C.E. Outer
GCD-27A	1	Cover, Comm. End
GCD-28	1	Washer, Felt, C.E. Inner
GCD-2002S	1	Head Assy., Comm. End
GBY-25	2	Spring, Brush
GBY-34	2	Arm, Brush
GBY-1012†	2	Brush
X-195	2	Lockwasher, Brush Lead Sc., #8
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler
8X-726	3	Screw, C.E. Cover, Bdg. Hd. #10-32x7/16
X-867	1	BEARING, BALL, SHIELDED, S.A.E. #303
X-1270	3	Washer Cover Sc., Skpf. #10

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm. Shaft, C.E.
GCD-87	1	Spacer, Armature Shaft
GCD-2088F	1	ARMATURE
SP-136	1	Fan, Ventilating
X-260	1	Key, Woodruff, #5
12X-864	1	Lockwasher, Arm. Shaft, C.E.
12X-1018	1	Lockwasher, Arm. Shaft, D.E.
X-1178	1	Nut, Arm. Shaft, D.E.

Drive End Head Assembly & Parts Used With

GCD-1089S	1	Head Assy., Drive End
DG-72	2	Retainer, Bearing
DG-74	2	Retainer, Felt
G-118	2	Washer, Felt
GCD-89S	1	Head, Drive End
8X-173	3	Nut, Retainer Sc., Hex. #10-32
X-196	3	Lockwasher, Retainer Sc.,#10
X-300	1	BEARING, BALL, S.A.E. #205
8X-306	3	Screw, Bearing Retainer, Rd. Hd. #10-32x1
X-489	1	Oiler

(Continued on Reverse Side)

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Miscellaneous Parts

Part No.	No. Used	Name of Part
GCD-24	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GCD-2012S.

NOTE: VRS-4005C CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GCD-4809	Hall Scott

(Issued 10-11-49)

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part 1 2 3 4 5
GCE-20	2	Frame Screw
GCE-33	1	Mounting Bracket
(GCE-2030)	1	Frame & Field Assy.
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-58	1	Terminal Post
GBW-66	1	Terminal Stud Ins.
GBW-67	1	Terminal Stud Ins.
GBX-29	2	Pole Piece
GBY-38B	2	Pole Piece Screw
GCE-1005	1	Field Coil Assy. - Comp.
GCE-1007	1	Field Coil Assy. - Left
GCE-26	1	Control Lead
GCE-34	1	Terminal Post
X-847	1	Terminal
IG-821	1	Terminal
GCE-1008	1	Field Coil - Right
GCT-25	1	Bushing
GCY-25	1	Bushing
MN-21	2	Dowel Pin
2X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	1	#10 Lock Washer
2X-349	1	#10 Plain Washer
2X-361	1	1/4 Plain Washer
2X-1377	1	#10-32 Hex. Nut
2X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	2	#10 Lock Washer
2X-321	1	#10-32x5/16 Rd. Hd. Screw
2X-1174	4	5/16-24x1/2 Flat Hd. Screw
2X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assy. & Parts Used With

DA-22	1	Bearing Retaining Washer
DA-39	1	Flat Oil Guard
DA-60	1	Bearing Retaining Screw
DH-7	1	Felt Washer
GBJ-25	1	End Cap Cover Gasket
GBJ-32B	1	Comm. End Cap Cover
(GCE-2032)	1	Comm. End Plate Assy.
GCE-53	2	Brush Spring
GCE-54	2	Brush Arm
GCE-1012‡	2	Brush - Main
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-195	1	#8 Lock Washer
X-199	1	1/4 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
12X-544	3	#10 Lock Washer
2X-870	3	#10-32x5/16 Fill. Hd. Screw

1 2 3 4 5

Armature Assy. & Parts Used With

Part No.	No. Used	Name of Part 1 2 3 4 5
GBX-2035F	1	Armature Assembly
SP-213	1	Drive Pulley
X-262	1	#7 Woodruff Key
2X-421	1	7/8-14 Hex. Nut
X-1136	1	7/8 Lock Washer

Drive End Head Assy. & Parts Used With

GCE-1031	1	Drive End Head Assy.
GBB-28	1	Felt Washer
GCE-31	1	Drive End Head
GCE-36	1	Bearing Retainer
GCE-37	1	Felt Washer
GCE-38	1	Felt Guard
GCE-40	1	Felt Washer Retainer
X-196	3	#10 Lock Washer
X-300	1	Ball Brg. - S.A.E. #205
8X-311	3	#10-32x3/8 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

GCE-24A	1	Head Band
2X-715	1	#10-32x1 1/4 Rd. Hd. Screw
2X-794	1	#10-32 Square Nut

1 2 3 4 5

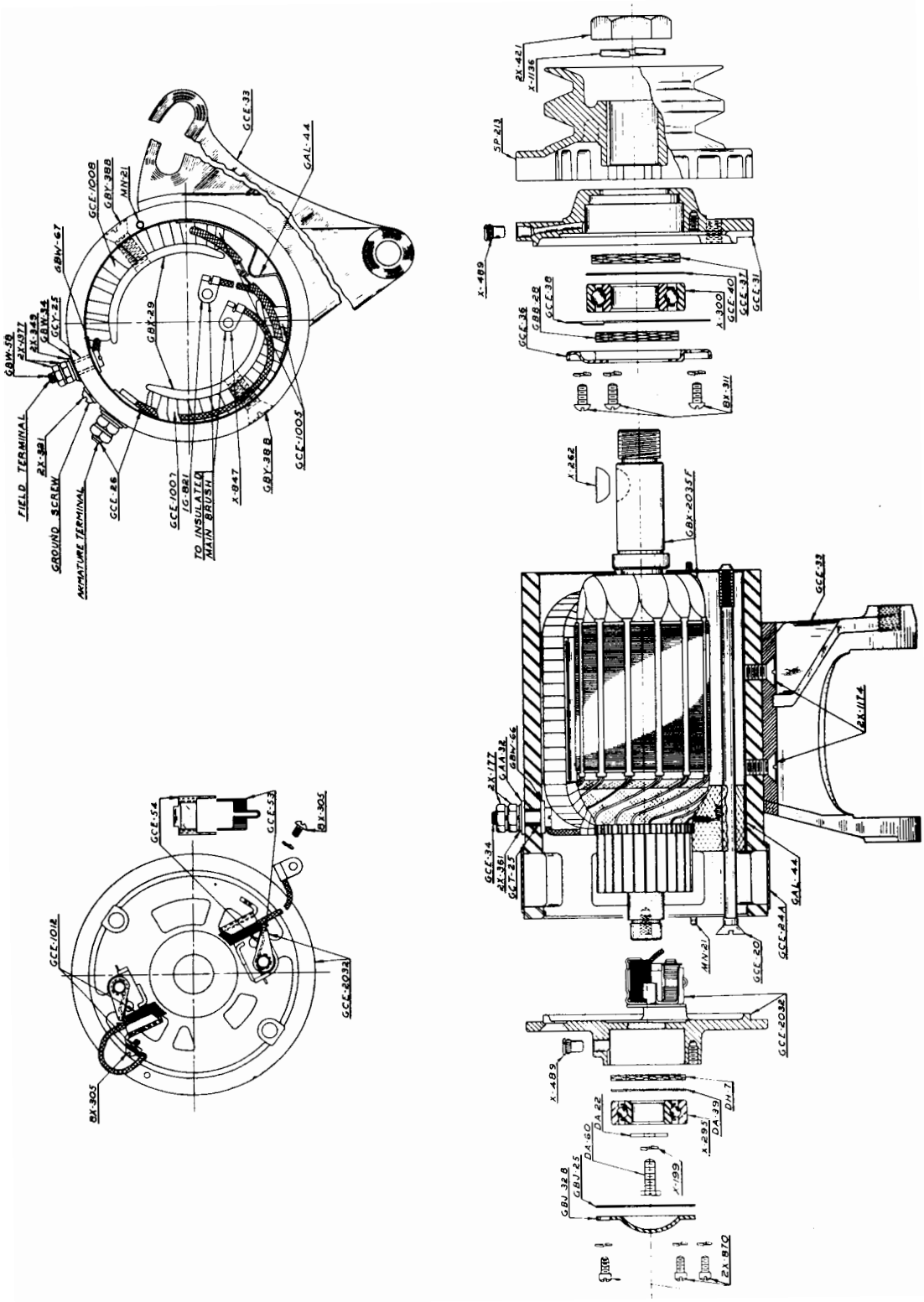
(Issued 9-26-38)

‡ Service Brush Set GCE-2012S.

NOTE:- VRB-4008AP Current-Voltage Regulator is used with but is not a part of this generator.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCE-4803A GENERATOR ILLUSTRATION



Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DK-23B	2	Frame Screw
(GCE-2001)	1	Frame & Field Assembly
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-58	1	Terminal Post
GBW-66	1	Term. Post Bottom Ins.
GBW-67	1	Term. Post Bottom Ins.
GBX-29	2	Pole Piece
GBY-38A	2	Pole Piece Screw
GCE-1005	1	FIELD COIL ASSY. - COMP.
GCE-1007	1	Field Coil Assy.-Left
GCE-26	1	Control Lead
GCE-34	1	Terminal Post
X-847	1	Terminal
IG-821	1	Terminal
GCE-1008	1	Field Coil - Right
GDD-25	1	Insulating Bushing
GDD-26	1	Insulating Bushing
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	2	#10 Lock Washer
12X-203	2	5/16 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assy. & Parts Used With

DA-22	1	Bearing Retaining Washer
DA-39	1	Flat Cut Gasket
DA-60	1	Bearing Retainer Screw
FE-7	1	Felt Washer
GBJ-25	1	End Cap Screw Washer
GBZ-38A	1	Comm. End Plate Bushing
GCE-2002	1	Comm. End Plate Assy.
GCE-53	2	Brush Spring
GG-76	2	Brush Arm
GTS-10121	2	Brush - Set
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-195	1	#8 Lock Washer
X-199	1	1/4 Lock Washer
X-295	1	BALL BEARING - S.A.E. #203
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
12X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fil. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GBX-2006AF	1	ARMATURE ASSEMBLY
SP-222	1	Drive Pulley
X-261	1	#6 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assy. & Parts Used With

GCE-1003	1	Drive End Head Assembly
GAU-31	1	Felt Washer
GCE-3	1	Drive End Head
GG-6	1	Bearing Retainer
GK-176	1	Felt Washer Retainer
GT-76	1	Felt Washer Retainer
GT-78	1	Felt Washer
X-196	3	#10 Lock Washer
X-295	1	BALL BRG. - S.A.E. #203
8X-311	3	#10-32x3/8 Rd. Hd. Sc.
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

GCE-24	1	Head Band Assembly
8X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 8-21-39)

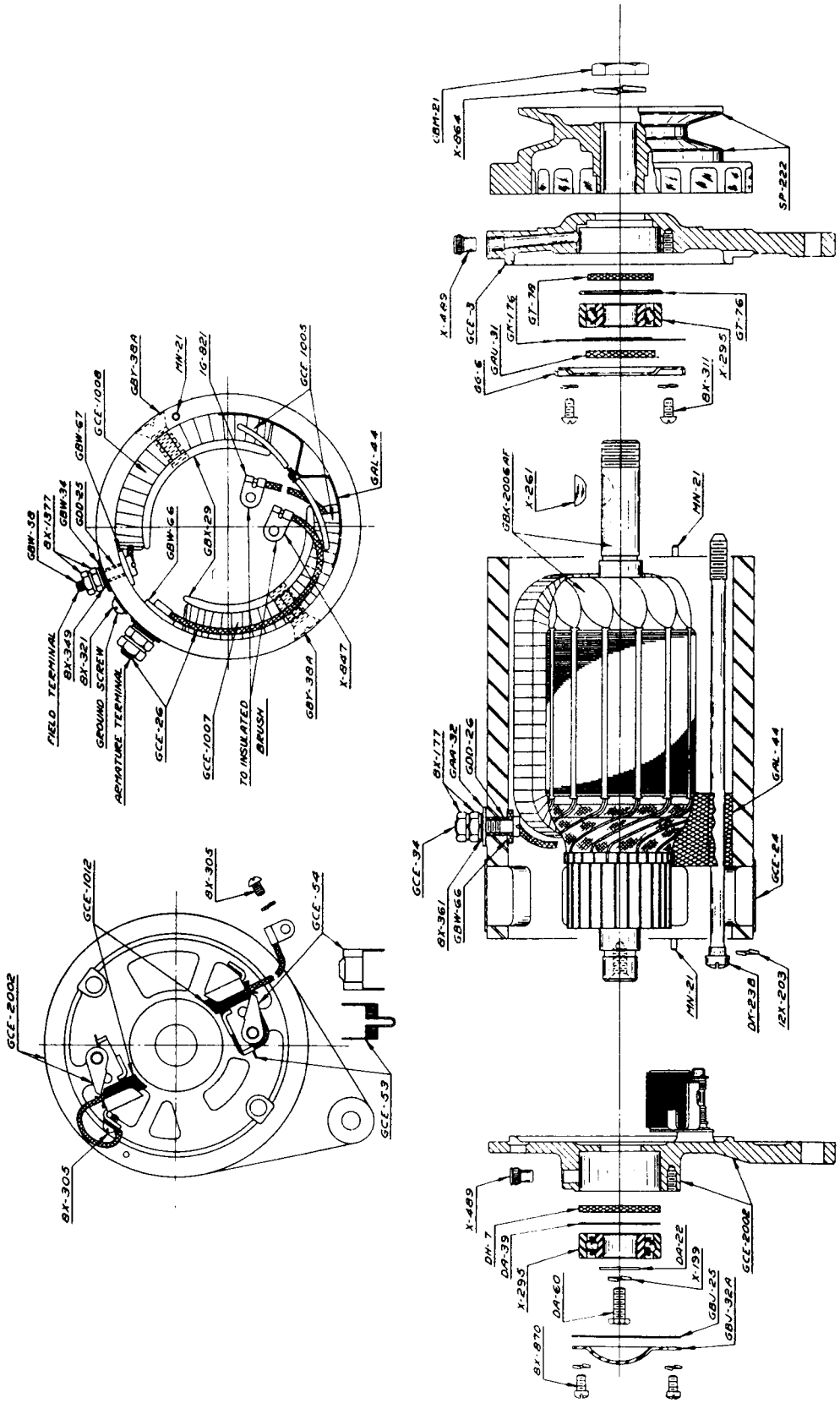
NOTE:- VRB-4004A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

1 Service BRUSH SET GCE-2012S.

UNIT	APPLICATION
GCE-4804B	Plymouth

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCE-4804B GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBD-20A	2	Frame Screw
(GCE-2056)	1	Frame & Field Assy.
GAA-31	1	Insulating Bushing
GAA-32	1	Term. Post Top Ins.
GAL-44	1	Field Connection Ins.
GBF-54	1	Insulating Bushing
GBW-34	1	Insulating Washer
GBW-58	1	Terminal Post
GBX-29	2	Pole Piece
GBY-38	2	Pole Piece Screw
GCE-28	1	Term. Post Bottom Ins.
GCE-1005	1	Field Coil Assy. - Comp.
GCE-1007	1	Field Coil Assy. - Left
GCE-26	1	Control Lead
GCE-34	1	Terminal Post
X-847	1	Terminal
IG-821	1	Terminal
GCE-1008	1	Field Coil Assy. - Right
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	2	#10 Lock Washer
X-203	2	5/16 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

DA-39	2	Flat Oil Guard
DA-132	1	Felt Washer
DH-7	1	Felt Washer
GAR-83	1	Comm. End Cap Cover
GBJ-25	1	End Cap Cover Gasket
GCE-55	1	Air Deflector
(GCE-2050)	1	Comm. End Plate Assy.
GCE-53	2	Brush Spring
GCE-54	2	Brush Arm
GCE-1012‡	2	Brush - Main
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
8X-62	6	#10-32x3/8 Flat Hd. Screw
X-195	1	#8 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DG-1144	1	Oil Thrower
GBM-21	1	Armature Shaft Nut
GBX-2054F	1	Armature Assembly
SP-230	1	Ventilating Fan
X-157	1	1/2-20 Slotted Nut
X-258	1	#3 Woodruff Key
X-263	1	#8 Woodruff Key
X-358	1	1/2 Plain Steel Washer
X-404	1	3/32x1 Cotter Pin
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GCE-1057	1	Drive End Head Assy.
GAE-47	1	Bearing Retainer
GCE-57	1	Drive End Head
8X-66	3	#10-32x1/2 Flat Head Sc.
X-298	1	Ball Brg. - S.A.E. #204
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

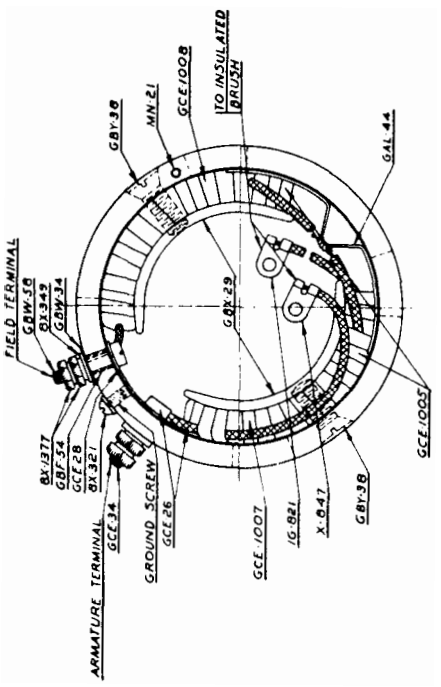
GCE-24C	1	Head Band
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

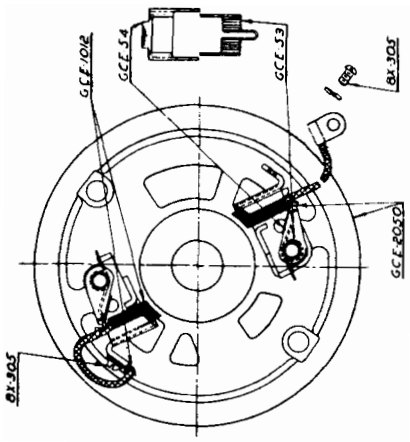
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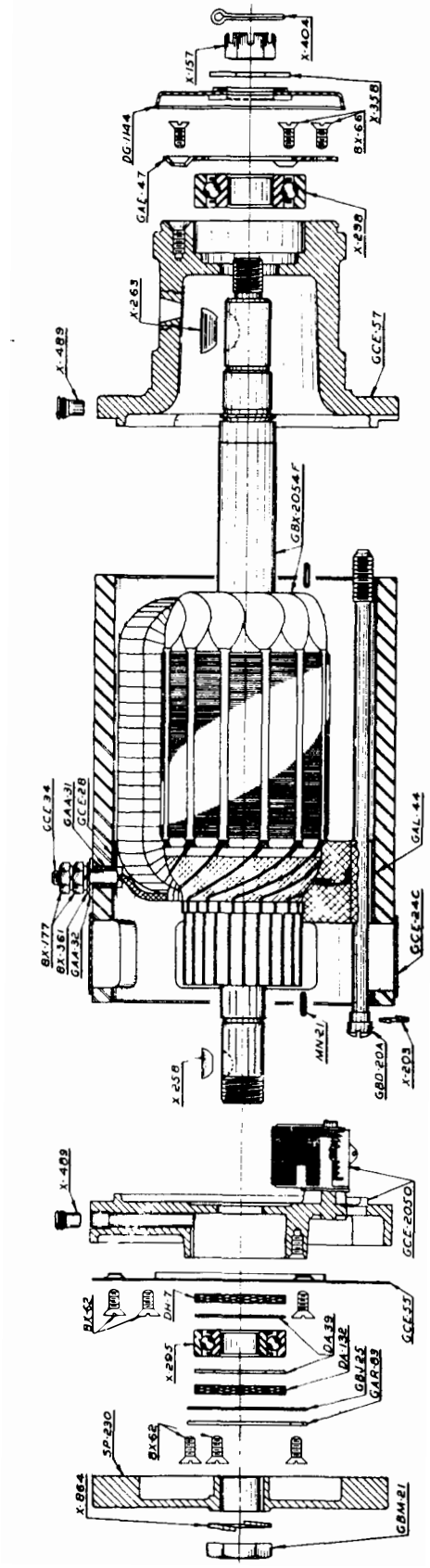
‡ Service Brush Set GCE-2012S.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCE-4806 GENERATOR ILLUSTRATION







Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DK-23A	2	Frame Screw
(GCE-2058)	1	Frame & Field Assy.
GAA-31	1	Insulating Bushing
GAA-32	1	Term. Post Top Ins.
GAL-44	1	Field Connection Ins.
GAL-148	1	Aligning Dowel
GBF-54	1	Insulating Bushing
GBW-34	1	Insulating Washer
GBW-58	1	Terminal Post
GBX-29	2	Pole Piece
GBY-38	2	Pole Piece Screw
GCE-28	1	Term. Post Bottom Ins.
GCE-1005	1	Field Coil Assy. - Comp.
GCE-1007	1	Field Coil Assy. - Left
GCE-26	1	Control Lead
GCE-34	1	Terminal Post
X-847	1	Terminal
IG-821	1	Terminal
GCE-1008	1	Field Coil Assy. - Right
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	2	#10 Lock Washer
X-203	2	5/16 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

DA-39	2	Flat Oil Guard
DA-132	1	Felt Washer
DH-7	1	Felt Washer
GAR-83A	1	Comm. End Cap Cover
GBJ-25	1	End Cap Cover Gasket
(GCE-2047A)	1	Comm. End Plate Assy.
GCE-53	2	Brush Spring
GCE-54	2	Brush Arm
GCE-1012‡	2	Brush - Main
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
GJ-320	1	Armature Shaft Nut
X-195	1	#8 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Screw
		1 2 3 4 5

* See table following parts list for part number applying to assembly wanted.

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GBX-2059F	1	Armature Assembly
*	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GCE-2048	1	Drive End Head Assy.
GAU-31	1	Felt Washer
GCE-48	1	Drive End Head
GG-6	1	Bearing Retainer
GK-176	1	Felt Washer Retainer
GT-76	1	Felt Washer Retainer
GT-78	1	Felt Washer
X-196	3	#10 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
8X-311	3	#10-32x3/8 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

GCE-24C	1	Head Band
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

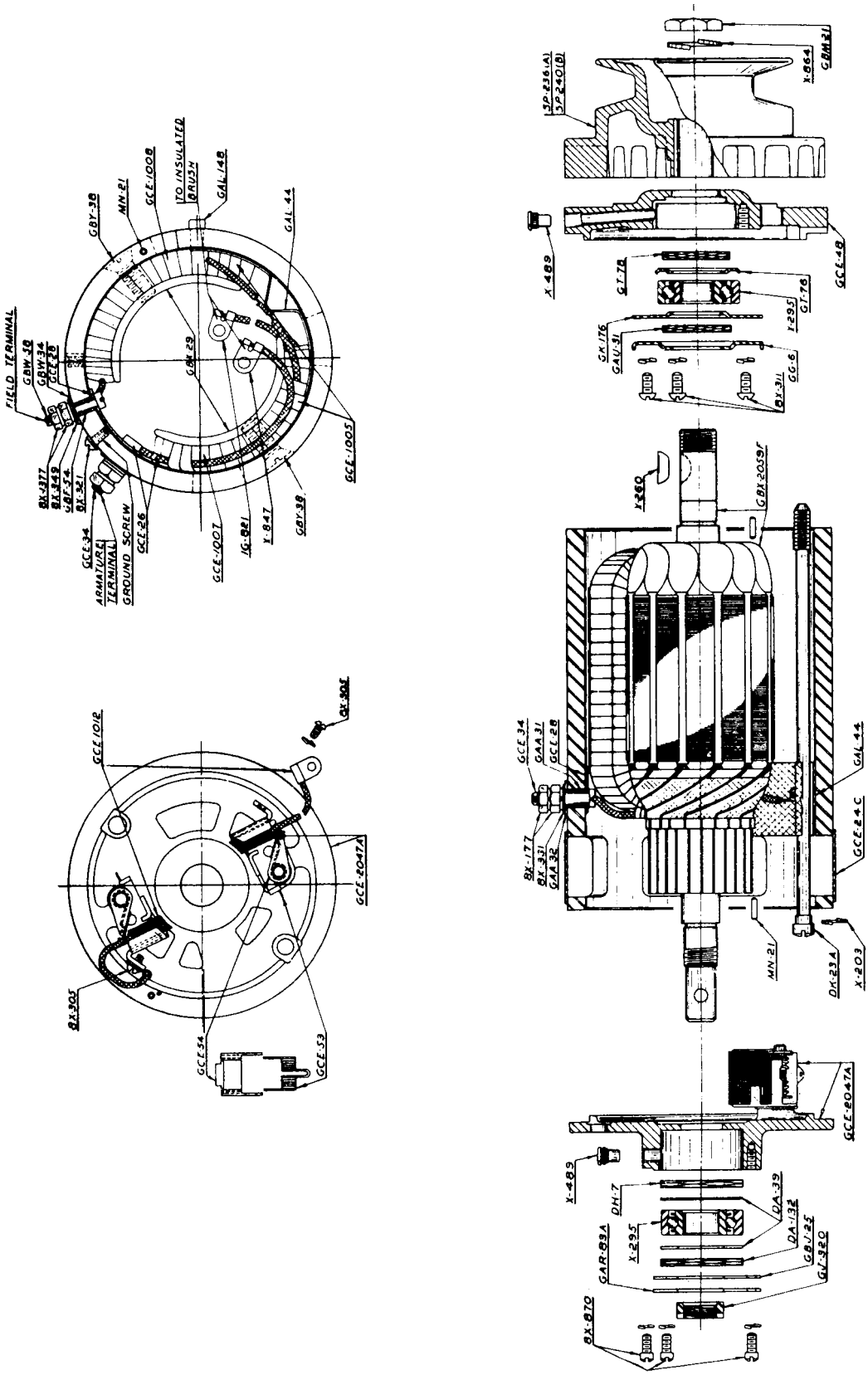
(Issued 11-18-36)

Assembly No.	Drive Pulley
GCE-4807A	SP-236
GCE-4807B	SP-240

‡ Service Brush Set GCE-2012S.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCE-4807,A,B GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DK-23A	2	Frame Screw
(GCE-2061)	1	Frame & Field Assy.
GAA-31	1	Insulating Bushing
GAA-32	1	Term. Post Top Ins.
GAL-44	1	Field Connection Ins.
GBF-54	1	Insulating Bushing
GBW-34	1	Insulating Washer
GBW-58	1	Terminal Post
GBX-29	2	Pole Piece
GBY-38	2	Pole Piece Screw
GCE-28	1	Term. Post Bottom Ins.
GCE-60S	1	Mounting Bracket
GCE-1005	1	Field Coil Assy. - Comp.
GCE-1007	1	Field Coil Assy. - Left
GCE-26	1	Control Lead
GCE-34	1	Terminal Post
X-847	1	Terminal
IG-821	1	Terminal
GCE-1008	1	Field Coil Assy. - Right
MN-21	2	Dowel Pin
8X-113	2	5/16-24x5/8 Hex. Hd. Sc.
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
X-1014	2	5/16 Lock Washer
8X-1377	1	#10-32 Hex. Nut
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	2	#10 Lock Washer
X-203	2	5/16 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

DA-39	2	Flat Oil Guard
DA-132	1	Felt Washer
DH-7	1	Felt Washer
GAR-83	1	Comm. End Cap Cover
GBJ-25	1	End Cap Cover Gasket
GCE-55	1	Air Deflector
(GCE-2050)	1	Comm. End Plate Assy.
GCE-53	2	Brush Spring
GCE-54	2	Brush Arm
GCE-1012‡	2	Brush - Main
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
8X-62	6	#10-32x3/8 Flat Hd. Screw
X-195	1	#8 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DA-70	1	Armature Shaft Nut
GBM-21	1	Armature Shaft Nut
GBX-2062F	1	Armature Assembly
SP-230	1	Ventilating Fan
X-160	1	7/16-20 Hex. Nut
X-205	1	7/16 Lock Washer
X-258	1	#3 Woodruff Key
X-261	1	#6 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GCE-2048	1	Drive End Head Assy.
GAU-31	1	Felt Washer
GCE-48	1	Drive End Head
GG-6	1	Bearing Retainer
GK-176	1	Felt Washer Retainer
GT-76	1	Felt Washer Retainer
GT-78	1	Felt Washer
X-196	3	#10 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
8X-311	3	#10-32x3/8 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

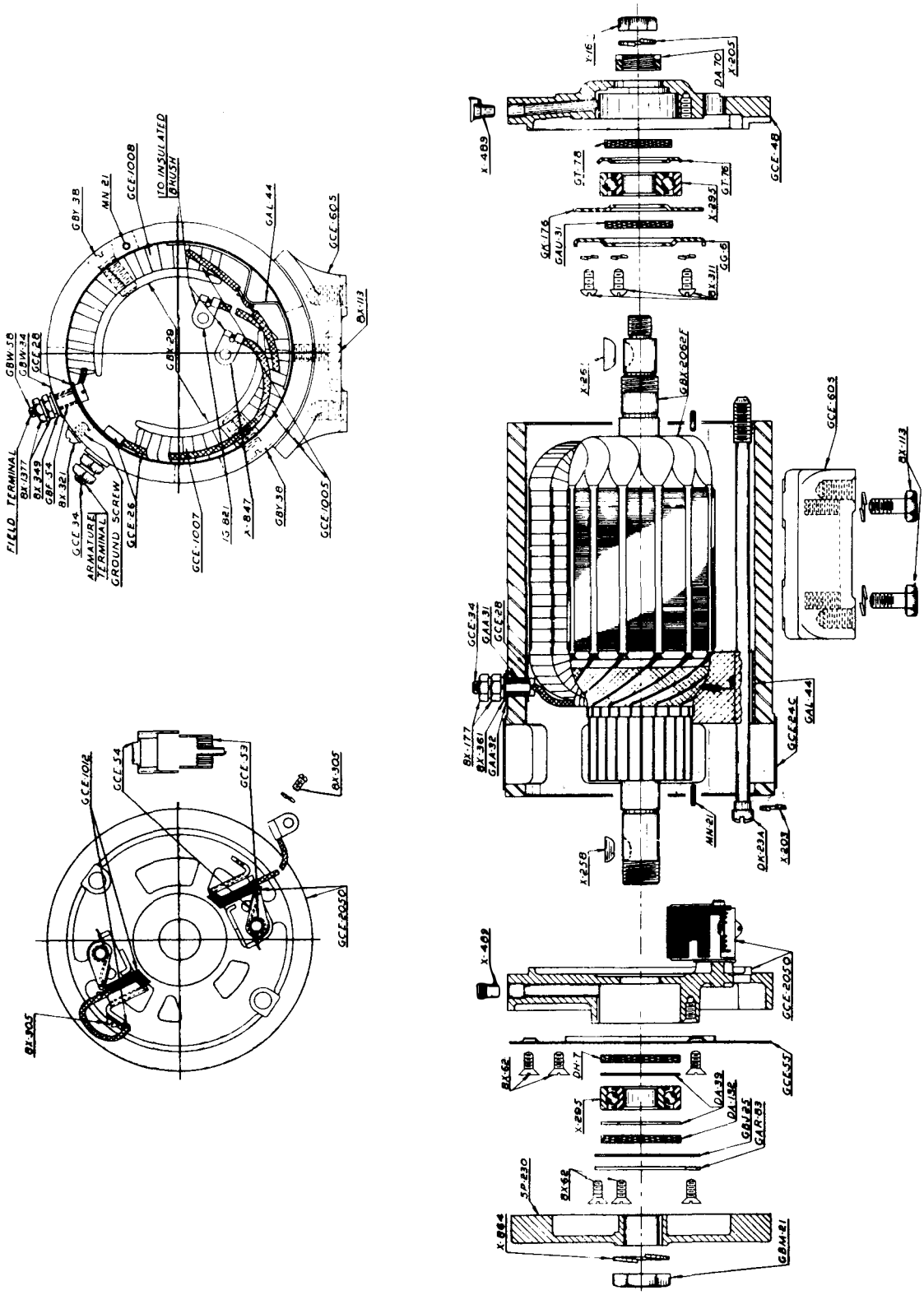
GCE-24C	1	Head Band
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 11-18-36)

‡ Service Brush Set GCE-2012S.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCE-4808 GENERATOR ILLUSTRATION



Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DK-23A	2	Frame Screw
(GCE-2056)	1	Frame & Field Assembly
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-58	1	Terminal Post
GBW-66	1	Term. Post Bottom Ins.
GBW-67	1	Term. Post Bottom Ins.
GBX-29	2	Pole Piece
GBY-38	2	Pole Piece Screw
GCE-1005	1	FIELD COIL ASSY.- Comp.
GCE-1007	1	Field Coil Assy.-Left
GCE-26	1	Control Lead
GCE-34	1	Terminal Post
X-847	1	Terminal
IG-821	1	Terminal
GCE-1008	1	Field Coil - Right
GDD-25	1	Insulating Bushing
GDD-26	1	Insulating Bushing
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	2	#10 Lock Washer
X-203	2	5/16 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assy. & Parts Used With

DA-39	2	Flat Oil Guard
DA-132	1	Felt Washer
DH-7	1	Felt Washer
GAR-83	1	Comm. End Cap Cover
GBJ-25	1	End Cap Cover Gasket
GCE-55	1	Air Deflector
GCE-2050	1	Comm. End Plate Assembly
GCE-53	2	Brush Spring
GCE-54	2	Brush Arm
GCE-1012‡	2	Brush - Main
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
8X-62	6	#10-32x3/8 Flat Hd. Screw
X-195	1	#8 Lock Washer
X-295	1	BALL BEARING - S.A.E. #203
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DG-73	1	Armature Shaft Sleeve
DG-75	1	Bearing Spacer
GBM-21	1	Armature Shaft Nut
GBX-2063F	1	ARMATURE ASSEMBLY
SP-230	1	Ventilating Fan
X-258	1	#3 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assy. & Parts Used With

GCE-1064	1	Drive End Head Assembly
DG-72	2	Felt Guard - With Oil Well
DG-74	2	Bearing Retainer
G-118	2	Felt Washer
GCE-64	1	Drive End Head
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-300	1	BALL BRG.- S.A.E. #205
8X-306	3	#10-32x1 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

GCE-24C	1	Head Band Assembly
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 5-2-40)

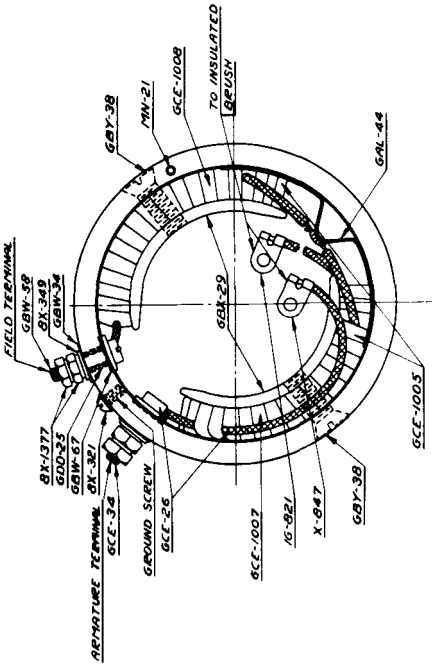
NOTE:- VRP-4006A CURRENT-VOLTAGE REGULATOR is used with but is not part of this generator.

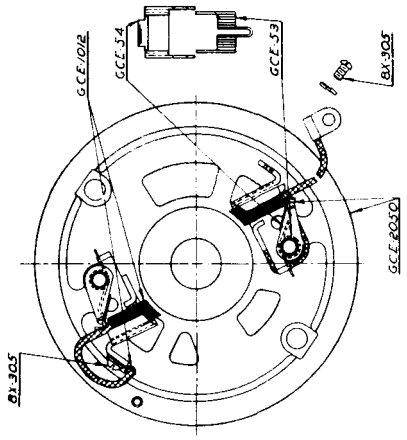
‡ Service BRUSH SET GCE-2012S.

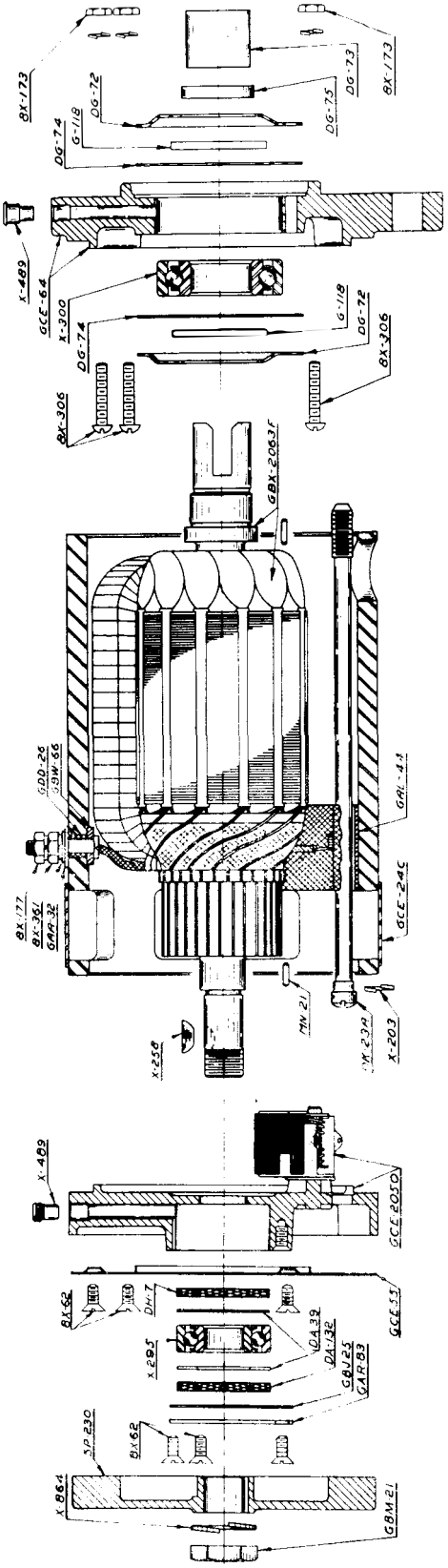
UNIT	APPLICATION
GCE-4809	Brockway, Continental

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCE-4809 GENERATOR ILLUSTRATION







Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DK-23A	1	Frame Screw
GCB-33	1	Mounting Bracket
(GCE-2065)	1	Frame & Field Assy.
GAA-32	1	Term. Post Top Insulation
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-58	1	Terminal Post
GBW-66	1	Term. Post Bottom Ins.
GBW-67	1	Term. Post Bottom Ins.
GBX-29	2	Pole Piece
GBY-38	2	Pole Piece Screw
GCE-1005	1	Field Coil Assy. - Comp.
GCE-1007	1	Field Coil Assy.-Left
GCE-26	1	Control Lead
GCE-34	1	Terminal Post
X-847	1	Terminal
IG-821	1	Terminal
GCE-1008	1	Field Coil - Right
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	2	#10 Lock Washer
X-201	4	3/8 Lock Washer
X-203	2	5/16 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
X-465	4	3/8-24x3/4 Hex. Hd. Screw
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assy. & Parts Used With

DA-22	1	Bearing Retaining Washer
DA-39	1	Flat Oil Guard
DA-60	1	Bearing Retaining Screw
DH-7	1	Felt Washer
GBJ-25	1	End Cap Cover Gasket
GBJ-32	1	Comm. End Cap Cover
(GCE-2047)	1	Comm. End Plate Assy.
GCE-1012‡	2	Brush - Main
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Sc.
X-195	1	#8 Lock Washer
X-199	1	1/4 Lock Washer
X-295	1	Ball Bearing - S.A.E. #203
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Sc.

Armature Assembly & Parts Used With

GBM-21	1	Armature Shaft Nut
GBX-2006AF	1	Armature Assembly
SP-218	1	Drive Pulley
X-261	1	#6 Woodruff Key
X-864	1	.669 Lock Washer
		1 2 3 4 5

Drive End Head Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCE-2048	1	Drive End Head Assy.
GAU-31	1	Felt Washer
GCE-48	1	Drive End Head
GG-6	1	Bearing Retainer
GK-176	1	Felt Washer Retainer
GT-76	1	Felt Washer Retainer
GT-78	1	Felt Washer
X-196	3	#10 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
8X-311	3	#10-32x3/8 Rd. Hd. Sc.
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

GCE-24C	1	Head Band
8X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

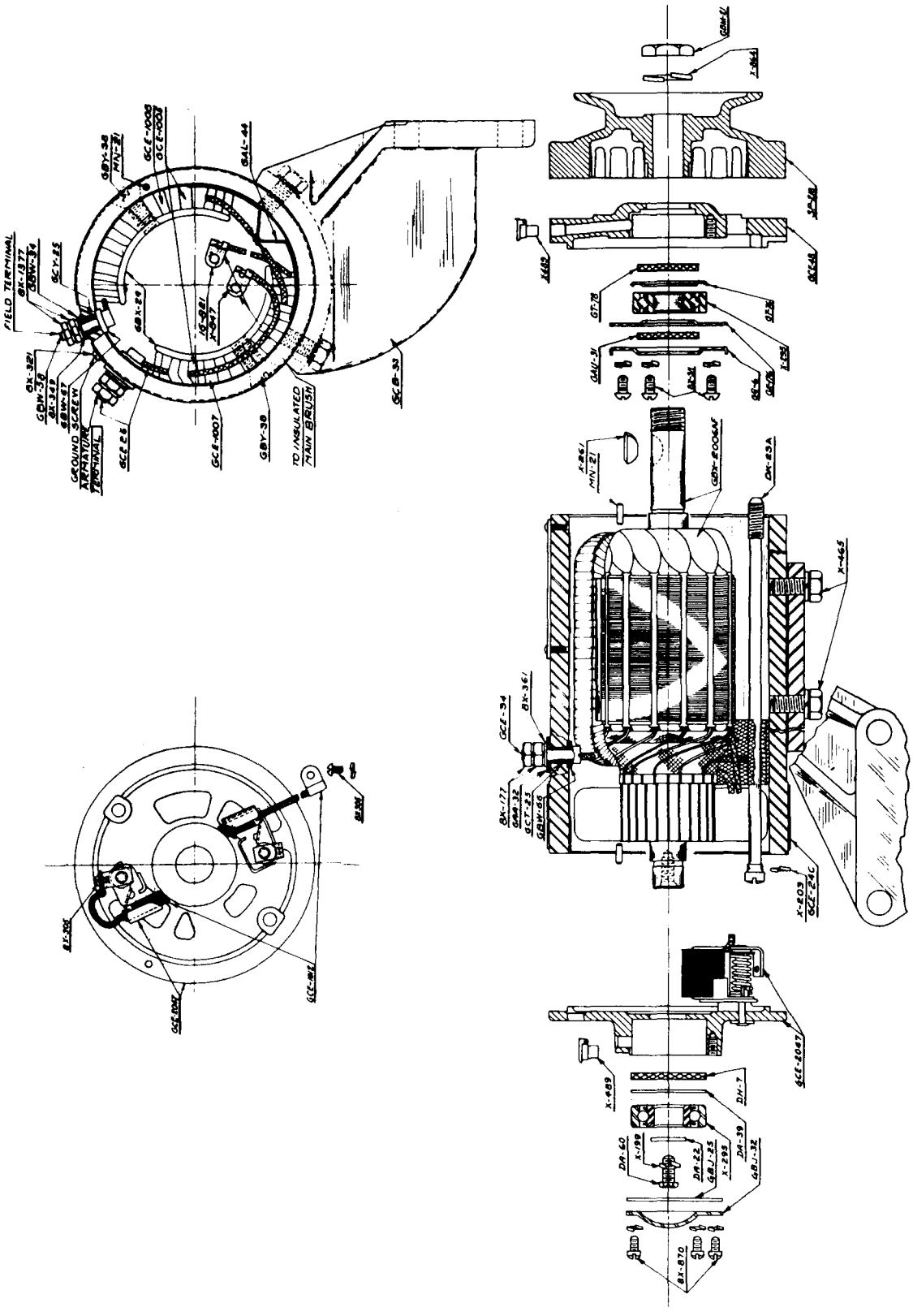
(Issued 11-16-38)

NOTE:- VRB-4008A Current-Voltage Regulator is used with but is not a part of this generator.

‡ Service Brush Set GCE-2012S.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking su -parts the complete part can be assembled as needed."

GCE-4810 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DK-23A	2	Frame Screw
(GCE-2001B)	1	Frame & Field Assy.
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-58	1	Terminal Post
GBW-66	1	Terminal Post Bottom Ins.
GBW-67	1	Terminal Post Ins.
GBX-29	2	Pole Piece
GBY-38	2	Pole Piece Screw
GCE-1005	1	Field Coil Assy. - Comp.
GCE-1007	1	Field Coil Assy.-Left
GCE-26	1	Control Lead
GCE-34	1	Terminal Post
X-847	1	Terminal
IG-821	1	Terminal
GCE-1008	1	Field Coil - Right
GDD-25	1	Insulating Bushing
GDD-26	1	Insulating Bushing
MN-21	2	Dowel Pin
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
5X-1377	1	#10-32 Hex. Nut
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	2	#10 Lock Washer
X-203	2	5/16 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
5X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

DA-22	1	Bearing Retaining Washer
DA-39	1	Flat Oil Guard
DA-60	1	Bearing Retaining Screw
DH-7	1	Felt Washer
GBJ-25	1	End Cap Cover Gasket
GBJ-32	1	Comm. End Cap Cover
(GCE-2067)	1	Comm. End Plate Assy.
GCE-53	2	Brush Spring
GCE-54	2	Brush Arm
GCE-1012‡	2	Brush - Main
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-195	1	#8 Lock Washer
X-199	1	1/4 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GBX-2056F	1	Armature Assembly
SP-251	1	Ventilating Fan
X-258	1	#3 Woodruff Key
X-261	1	#6 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GCE-1003C	1	Drive End Head Assy.
GAU-31	1	Felt Washer
GCE-3C	1	Drive End Head
GG-6	1	Bearing Retainer
GK-176	1	Felt Washer Retainer
GT-76	1	Felt Washer Retainer
GT-78	1	Felt Washer
X-196	3	#10 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
8X-311	3	#10-32x3/8 Rd. Hd. Sc.
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

GCE-24C	1	Head Band
X-715	1	#10-32x1 1/4 Rd. Hd. Sc.
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

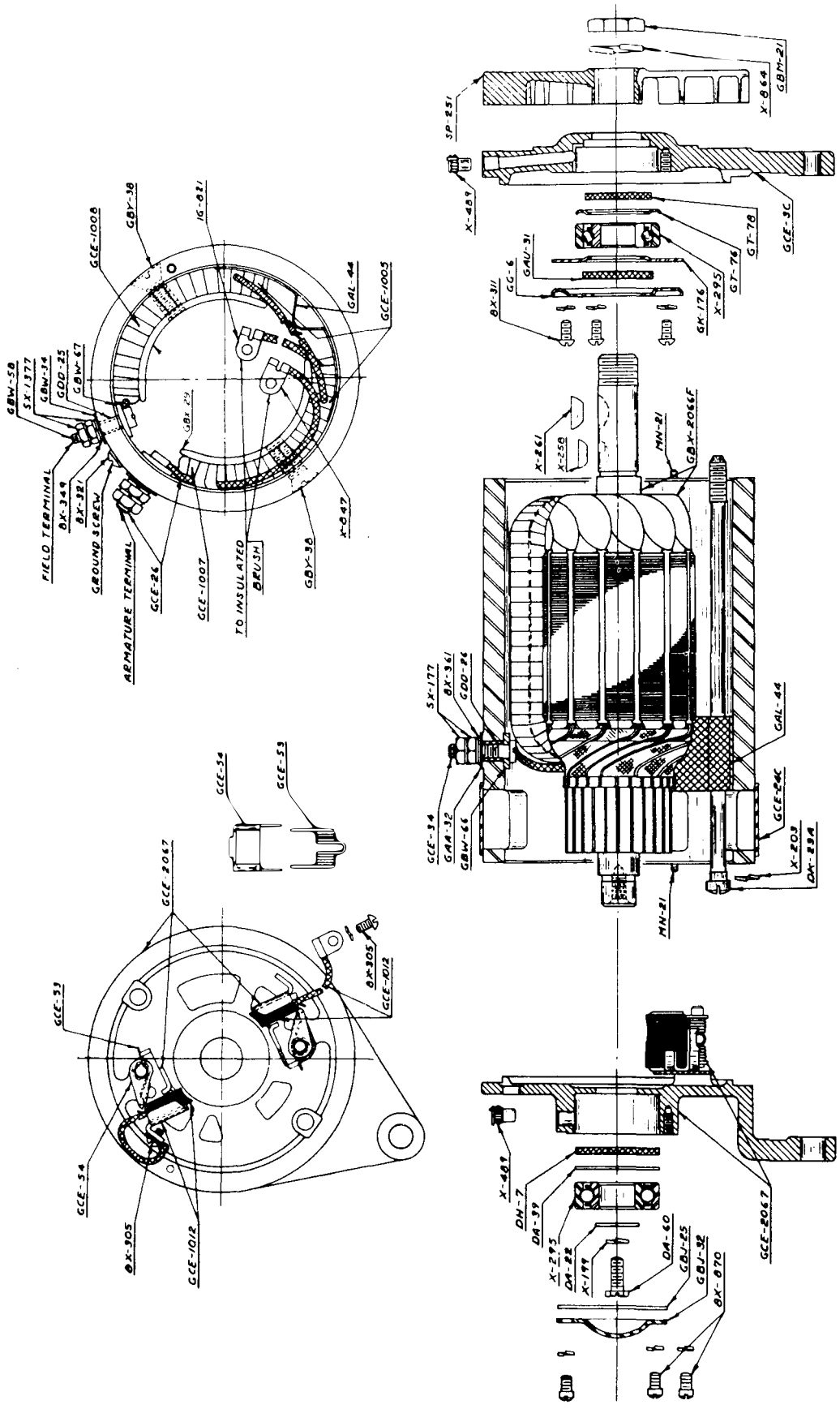
(Issued 12-2-37)

‡ Service Brush Set GCE-2012S.

NOTE:- VRB-4007A Current-Voltage Regulator is used with but is not a part of this generator.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCE-4812 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GCE-2001)	1	Frame & Field Assy.
GAA-32	1	Term. Post Top Ins.
GAL-44	1	Field Connection Ins
GBW-34	1	Insulating Washer
GBW-58	1	Terminal Post
GBX-29	2	Pole Piece
GBY-38A	2	Pole Piece Screw
GCE-28	1	Terminal Post Bottom Ins.
GCE-1005	1	Field Coil Assy. - Comp.
GCE-1007	1	Field Coil Assy. - Left
GCE-26	1	Control Lead
GCE-34	1	Terminal Post
X-847	1	Terminal
IG-821	1	Terminal
GCE-1008	1	Field Coil - Right
GDD-25	1	Insulating Bushing
GDD-26	1	Insulating Bushing
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
GS-20	2	Frame Screw
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	2	#10 Lock Washer
12X-203	2	5/16 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

DA-22	1	Bearing Retaining Washer
DA-39	1	Flat Oil Guard
DA-60	1	Bearing Retaining Screw
DH-7	1	Felt Washer
GBJ-25	1	End Cap Cover Gasket
GBJ-32A	1	Comm. End Cap Cover
GCE-2002	1	Comm. End Plate Assy.
GCE-53	2	Brush Spring
GCE-54	2	Brush Arm
GCE-1012‡	2	Brush - Main
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-195	1	#8 Lock Washer
X-199	1	1/4 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
12X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GBX-2006AF	1	Armature Assembly
X-261	1	#6 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GCE-1003	1	Drive End Head Assy.
GAU-31	1	Felt Washer
GCE-3	1	Drive End Head
GG-6	1	Bearing Retainer
GK-176	1	Felt Washer Retainer
GT-76	1	Felt Washer Retainer
GT-78	1	Felt Washer
X-196	3	#10 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
8X-311	3	#10-32x3/8 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

GCE-24	1	Head Band
8X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

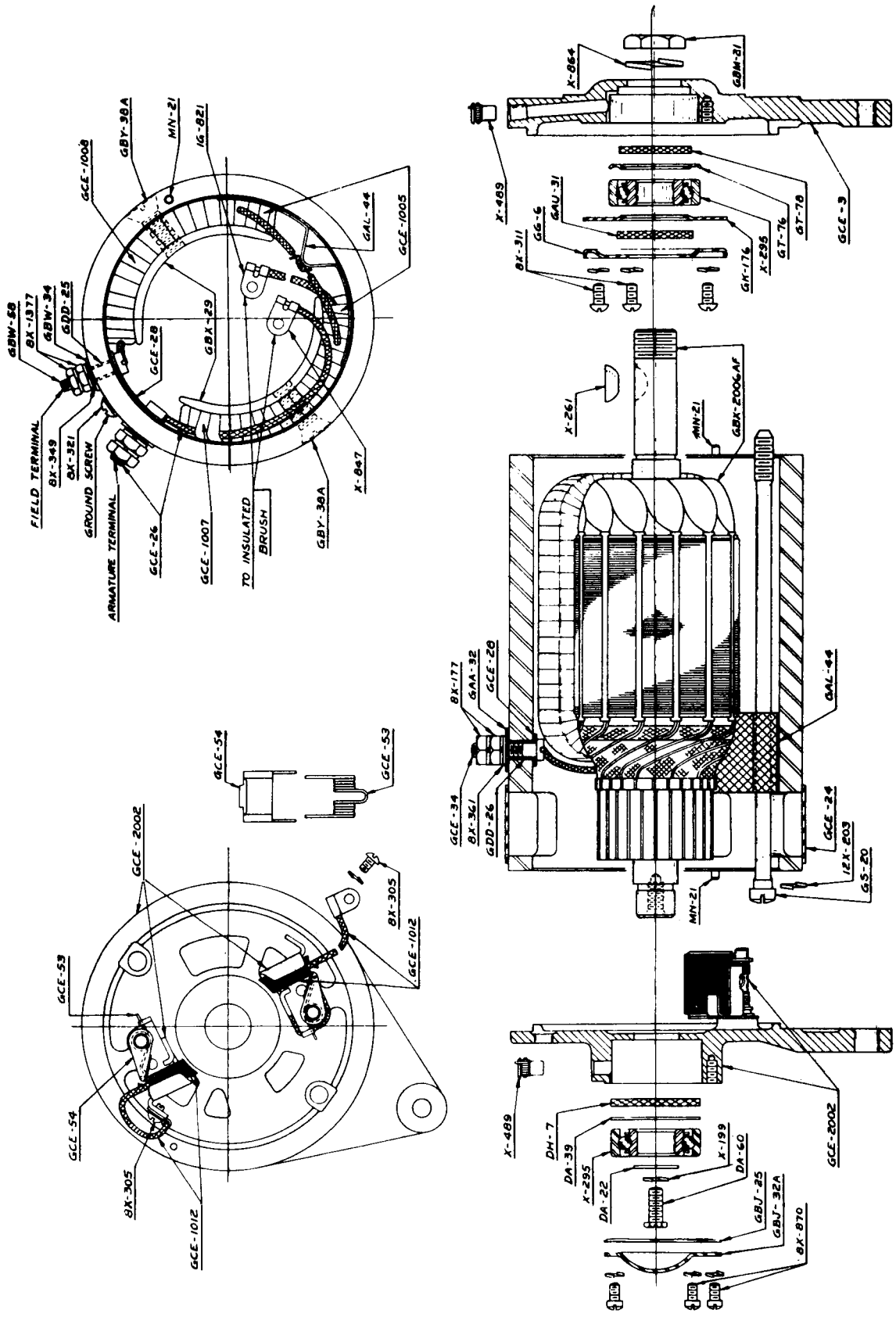
(Issued 6-18-37)

‡ Service Brush Set GCE-2012S.

NOTE:- VRB-4008A Current-Voltage Regulator is used with but is not a part of this generator.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCE-4813 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DK-23A	2	Frame Screw
(GCE-2001B)	1	Frame & Field Assy.
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-58	1	Terminal Post
GBW-66	1	Terminal Post Bottom Ins.
GBW-67	1	Terminal Post Ins.
GBX-29	2	Pole Piece
GBY-38	2	Pole Piece Screw
GCE-1005	1	Field Coil Assy. - Comp.
GCE-1007	1	Field Coil Assy.-Left
GCE-26	1	Control Lead
GCE-34	1	Terminal Post
X-847	1	Terminal
IG-821	1	Terminal
GCE-1008	1	Field Coil - Right
GDD-25	1	Insulating Bushing
GDD-26	1	Insulating Bushing
MN-21	2	Dowel Pin
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
5X-1377	1	#10-32 Hex. Nut
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	2	#10 Lock Washer
X-203	2	5/16 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
5X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

DA-22	1	Bearing Retaining Washer
DA-39	1	Flat Oil Guard
DA-60	1	Bearing Retaining Screw
DH-7	1	Felt Washer
GBJ-25	1	End Cap Cover Gasket
GBJ-32	1	Comm. End Cap Cover
(GCE-2002D)	1	Comm. End Plate Assy.
GCE-53	2	Brush Spring
GCE-54	2	Brush Arm
GCE-1012‡	2	Brush - Main
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Sc.
X-195	1	#8 Lock Washer
X-199	1	1/4 Lock Washer
X-295	1	Ball Bearing - S.A.E. #203
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GBX-2006AF	1	Armature Assembly
SP-197	1	Drive Pulley
X-261	1	#6 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GCE-1003E	1	Drive End Head Assy.
GAU-31	1	Felt Washer
GCE-3E	1	Drive End Head
GG-6	1	Bearing Retainer
GK-176	1	Felt Washer Retainer
GT-76	1	Felt Washer Retainer
GT-78	1	Felt Washer
X-196	3	#10 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
8X-311	3	#10-32x3/8 Rd. Hd. Sc.
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

GCE-24C	1	Head Band
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

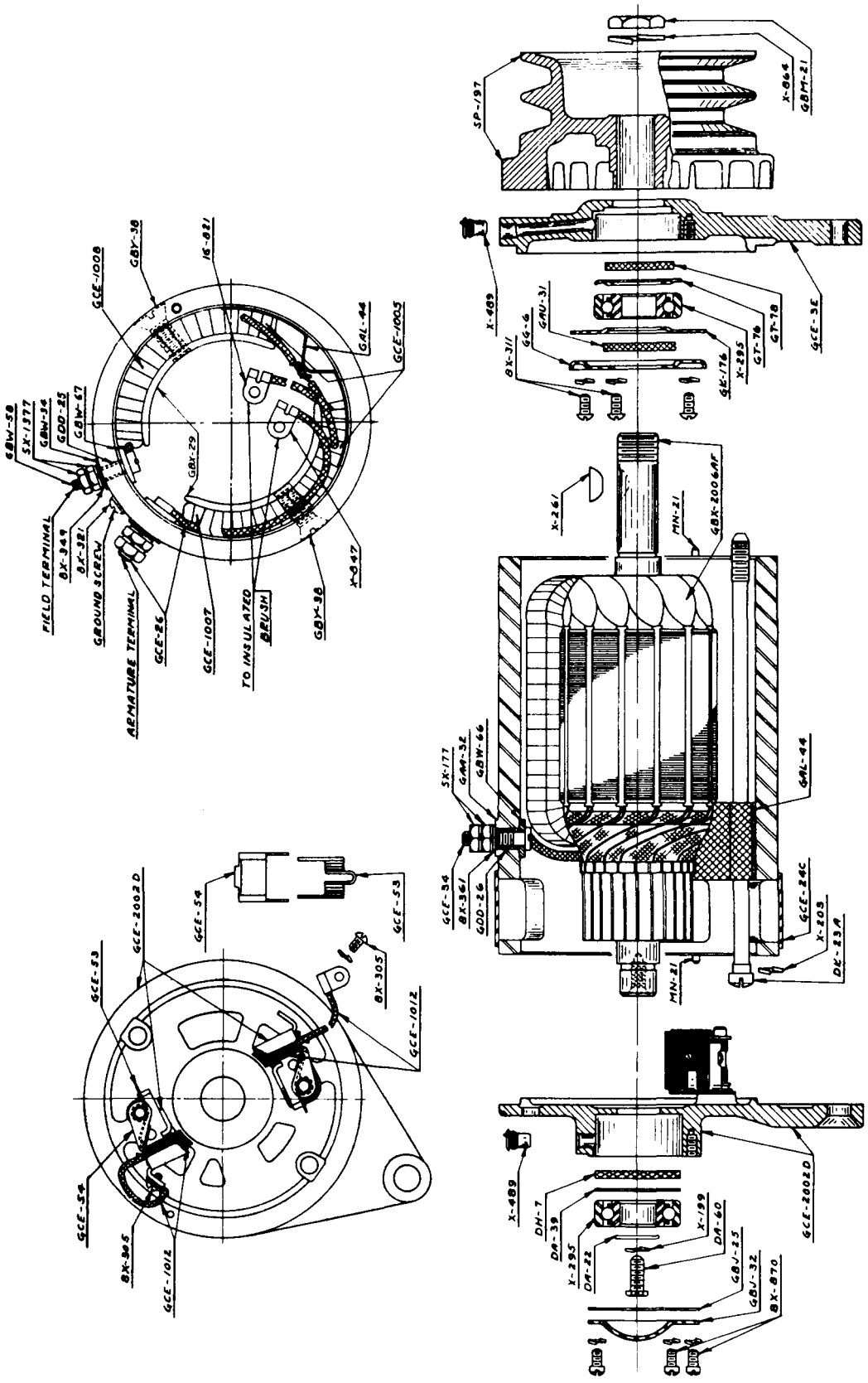
(Issued 12-2-37)

‡ Service Brush Set GCE-2012S.

NOTE:- VRB-4008A Current-Voltage Regulator is used with but is not a part of this generator.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking su -parts the complete part can be assembled as needed."

GCE-4814A GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DK-23A	2	Frame Screw
GCB-33	1	Mounting Bracket
(GCE-2065)	1	Frame & Field Assy.
GAA-32	1	Term. Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-58	1	Terminal Post
GBW-66	1	Term. Post Bottom Ins.
GBW-67	1	Term. Post Bottom Ins.
GBX-29	2	Pole Piece
GBY-38	2	Pole Piece Screw
GCE-1005	1	FIELD COIL ASSY.-COMP.
GCE-1007	1	Field Coil Assy.-Left
GCE-26	1	Control Lead
GCE-34	1	Terminal Post
X-847	1	Terminal
IG-821	1	Terminal
GCE-1008	1	Field Coil - Right
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	2	#10 Lock Washer
X-201	4	3/8 Lock Washer
X-203	2	5/16 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Sc.
X-465	4	3/8-24x3/4 Hex. Hd. Sc.
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

DA-22	1	Bearing Retaining Washer
DA-39	1	Flat Oil Guard
DA-60	1	Bearing Retaining Screw
DH-7	1	Felt Washer
GBJ-25	1	End Cap Cover Gasket
GBJ-32	1	Comm. End Cap Cover
GCE-2047A	1	Comm. End Plate Assy.
GCE-53	2	Brush Spring
GCE-54	2	Brush Arm
GCE-1012†	2	Brush - Main
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Sc.
X-195	1	#8 Lock Washer
X-199	1	1/4 Lock Washer
X-295	1	BALL BRG. - S.A.E. #203
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Sc.
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GBX-2006AF	1	ARMATURE ASSEMBLY
SP-218	1	Drive Pulley
X-261	1	#6 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GCE-2048	1	Drive End Head Assy.
GAU-31	1	Felt Washer
GCE-48	1	Drive End Head
GG-6	1	Bearing Retainer
GK-76	1	Felt Washer Retainer
GT-76	1	Felt Washer Retainer
GT-78	1	Felt Washer
X-196	3	#10 Lock Washer
X-295	1	BALL BRG. - S.A.E. #203
8X-311	3	#10-32x3/8 Rd. Hd. Sc.
X-489	1	1/4 Oiler-Press in Type

Miscellaneous Parts

GCE-24C	1	Head Band
8X-715	1	#10-32x1 1/4 Rd. Hd. Sc.
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 2-27-39)

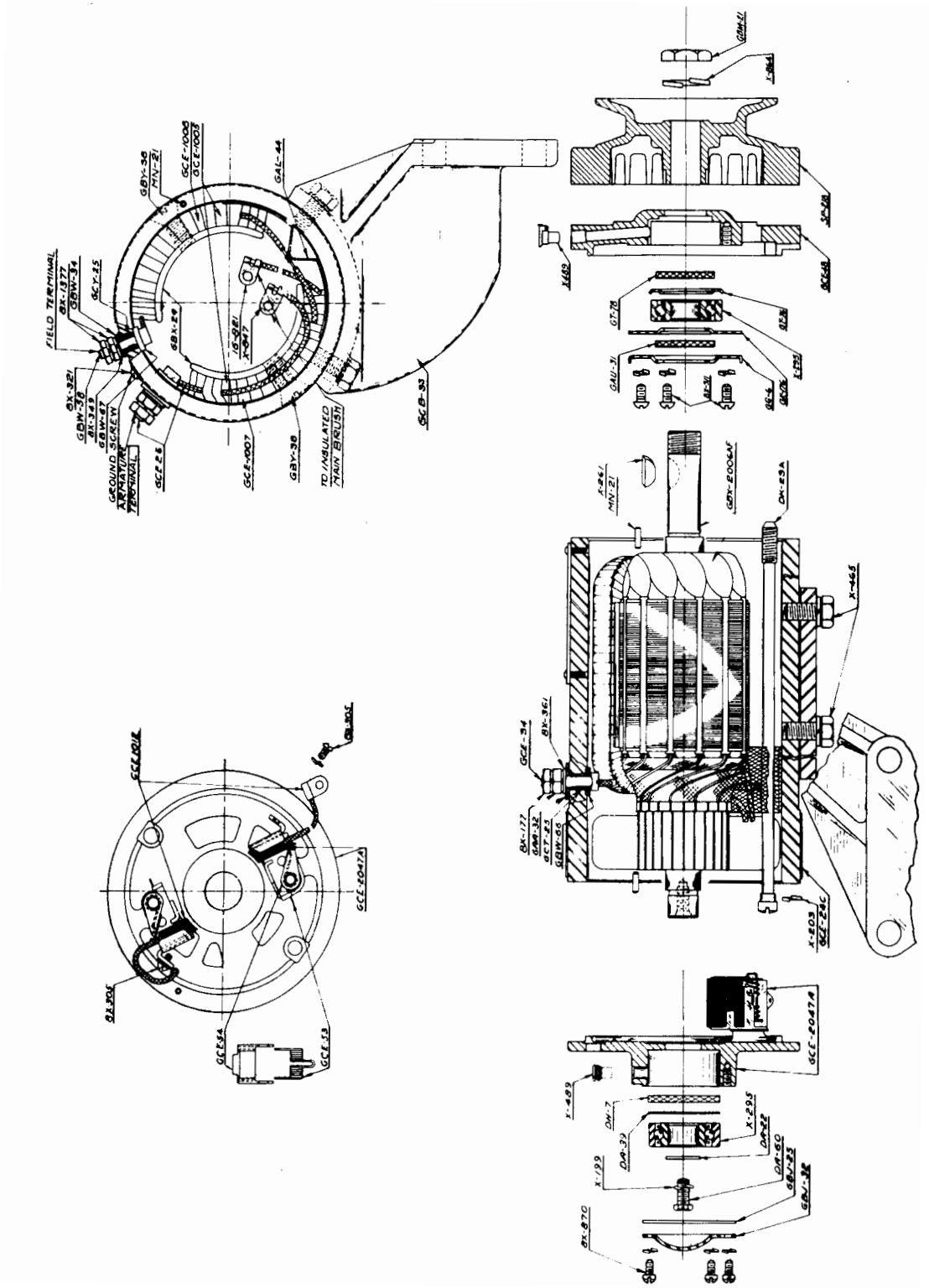
NOTE:- VRB-4008A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

† SERVICE BRUSH SET GCE-2012S.

UNIT	APPLICATION
GCE-4815A	Diamond T

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCE-4815A GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DK-23A	2	Frame Screw
(GCE-2001B)	1	Frame & Field Assembly
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-58	1	Terminal Post
GBW-66	1	Terminal Post Bottom Ins.
GBW-67	1	Terminal Post Bottom Ins.
GBX-29	2	Pole Piece
GBY-38	2	Pole Piece Screw
GCE-1005	1	FIELD COIL ASSY.-COMP.
GCE-1007	1	Field Coil Assy.-Left
GCE-26	1	Control Lead
GCE-34	1	Terminal Post
X-847	1	Terminal
IG-821	1	Terminal
GCE-1008	1	Field Coil - Right
GDD-25	1	Insulating Bushing
GDD-26	1	Insulating Bushing
MN-21	2	Dowel Pin
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
5X-1377	1	#10-32 Hex. Nut
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	2	#10 Lock Washer
X-203	2	5/16 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
5X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

DA-22	1	Bearing Retaining Washer
DA-39	1	Flat Oil Guard
DA-60	1	Bearing Retaining Screw
DH-7	1	Felt Washer
GBJ-25	1	End Cap Cover Gasket
GBJ-32	1	Comm. End Cap Cover
GCE-2002F	1	Comm. End Plate Assembly
GCE-53	2	Brush Spring
GCE-54	2	Brush Arm
GCE-1012‡	2	Brush - Main
X-195	1	#8 Lock Washer
X-305	1	#8-32x1/4 Rd. Hd. Screw
X-195	1	#8 Lock Washer
X-199	1	1/4 Lock Washer
X-295	1	BALL BEARING - S.A.E. #203
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
X-544	3	#10 Lock Washer
X-870	3	#10-32x5/16 Fill. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GBX-2006AF	1	ARMATURE ASSEMBLY
SP-341	1	Drive Pulley
X-261	1	#6 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GCE-1003E	1	Drive End Head Assembly
GAU-31	1	Felt Washer
GCE-3E	1	Drive End Head
GG-6	1	Bearing Retainer
GK-176	1	Felt Washer Retainer
GT-76	1	Felt Washer Retainer
GT-78	1	Felt Washer
X-196	3	#10 Lock Washer
X-295	1	BALL BEARING - S.A.E.#203
8X-311	3	#10-32x3/8 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

GCE-24C	1	Head Band
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 5-10-39)

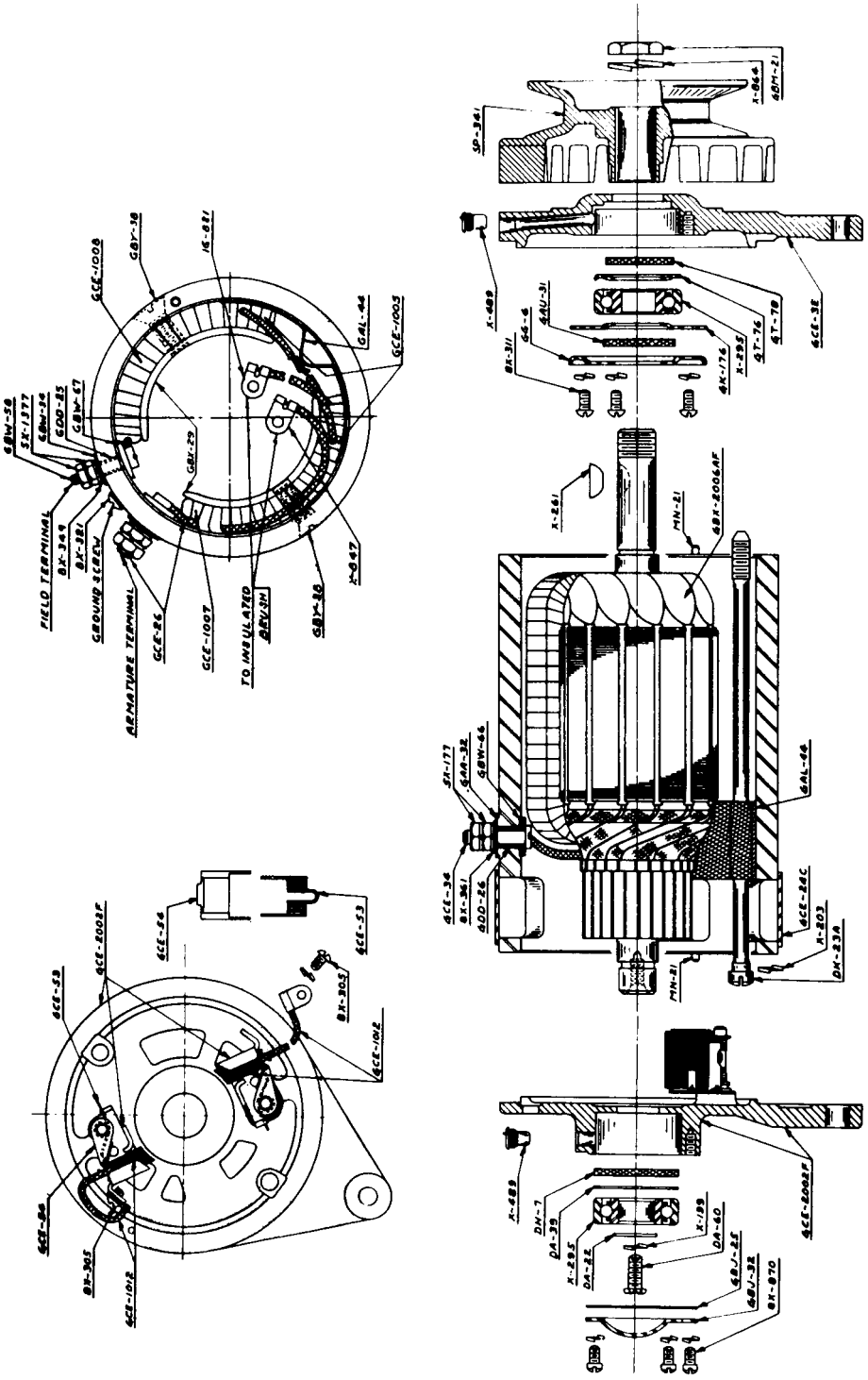
NOTE:- VRB-4008A CURRENT VOLTAGE REGULATOR is used with but is not a part of this generator.

‡ SERVICE BRUSH SET GCE-2012S.

UNIT	APPLICATION
GCE-4816A	Brockway

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCE-4816A GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DK-23A	2	Frame Screw
(GCE-2086)	1	Frame & Field Assembly
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-58	1	Terminal Post
GBW-66	1	Terminal Post Bottom Ins.
GBW-67	1	Terminal Post Bottom Ins.
GBX-29	2	Pole Piece
GBY-38	2	Pole Piece Screw
GCE-60S	1	Mounting Bracket
GCE-1005	1	FIELD COIL ASSY.-COMP.
GCE-1007	1	Field Coil Assy.-Left
GCE-26	1	Control Lead
GCE-34	1	Terminal Post
X-847	1	Terminal
IG-821	1	Terminal
GCE-1008	1	Field Coil - Right
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
MN-21	2	Dowel Pin
8X-113	2	5/16-24x5/8 Hex. Hd. Sc.
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
X-1014	2	5/16 Lock Washer
5X-1377	1	#10-32 Hex. Nut
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	2	#10 Lock Washer
X-203	2	5/16 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
5X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

DA-39	2	Flat Oil Guard
DA-132	1	Felt Washer
DH-7	1	Felt Washer
GAR-83	1	Comm. End Cap Cover
GBJ-25	1	End Cap Cover Gasket
GCE-55	1	Air Deflector
(GCE-2050)	1	Comm. End Plate Assy.
GCE-53	2	Brush Spring
GCE-54	2	Brush Arm
GCE-1012‡	2	Brush - Main
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
8X-62	6	#10-32x3/8 Flat Hd. Screw
X-195	1	#8 Lock Washer
X-295	1	BALL BEARING - S.A.E. #203
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DA-70	1	Armature Shaft Nut
GBM-21	1	Armature Shaft Nut
GBX-2062F	1	ARMATURE ASSEMBLY
SP-230	1	Ventilating Fan
X-160	1	7/16-20 Hex. Nut
X-205	1	7/16 Lock Washer
X-258	1	#3 Woodruff Key
X-261	1	#6 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GCE-2048	1	Drive End Head Assembly
GAU-31	1	Felt Washer
GCE-48	1	Drive End Head
GG-6	1	Bearing Retainer
GK-176	1	Felt Washer Retainer
GT-76	1	Felt Washer Retainer
GT-78	1	Felt Washer
X-196	3	#10 Lock Washer
X-295	1	BALL BEARING-S.A.E. #203
8X-311	3	#10-32x3/8 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

GCE-24C	1	Head Band
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 5-10-39)

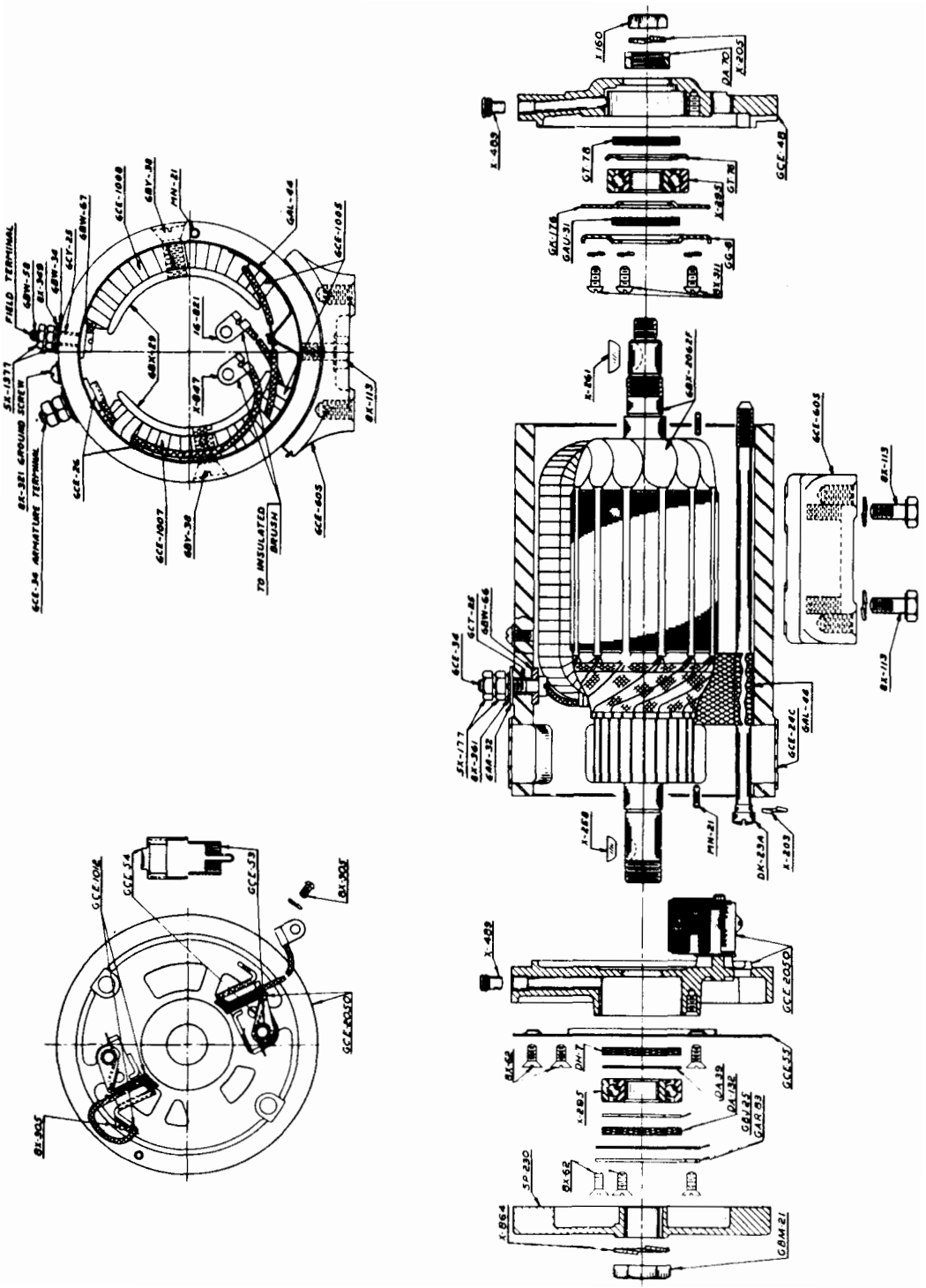
‡ SERVICE BRUSH SET GCE-2012S.

NOTE:- VRB-4008A CURRENT VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GCE-4817	Brockway

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCE-4817 GENERATOR ILLUSTRATION



Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DK-23A	2	Frame Screw
GCE-94	1	Mounting Bracket
(GCE-2001B)	1	Frame & Field Assembly
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-58	1	Terminal Post
GBW-66	1	Terminal Post Bottom Ins.
GBW-67	1	Terminal Post Bottom Ins.
GBX-29	2	Pole Piece
GBY-38	2	Pole Piece Screw
GCE-1005	1	FIELD COIL ASSY.- Comp.
GCE-1007	1	Field Coil Assy.-Left
GCE-26	1	Control Lead
GCE-34	1	Terminal Post
X-847	1	Terminal
IG-821	1	Terminal
GCE-1008	1	Field Coil - Right
GDD-25	1	Insulating Bushing
GDD-26	1	Insulating Bushing
MN-21	2	Dowel Pin
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
5X-1377	1	#10-32 Hex. Nut
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	2	#10 Lock Washer
X-203	2	5/16 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
X-402	2	1/16x3/4 Cotter Pin
X-863B	2	5/16-24x1 1/4 Hex. Hd. Screw
X-1014	2	5/16 Lock Washer
8X-1061	2	5/16-24 Castellated Nut
5X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assy. & Parts Used With

DA-22	1	Bearing Retaining Washer
DA-39	1	Flat Oil Guard
DA-60	1	Bearing Retaining Screw
DH-7	1	Felt Washer
GBJ-25	1	End Cap Cover Gasket
GBJ-32	1	Comm. End Cap Cover
GCE-2002F	1	Comm. End Plate Assembly
GCE-53	2	Brush Spring
GCE-54	2	Brush Arm
GCE-1012‡	2	Brush - Main
X-195	1	#8 Lock Washer
X-305	1	#8-32x1/4 Rd. Hd. Screw
X-195	1	#8 Lock Washer
X-199	1	1/4 Lock Washer
X-295	1	BALL BEARING - S.A.E. #203
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Sc.
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GBX-2006AF	1	ARMATURE ASSEMBLY
SP-218	1	Drive Pulley
X-261	1	#6 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assy. & Parts Used With

GCE-1092	1	Drive End Head Assembly
GAU-31	1	Felt Washer
GCE-92	1	Drive End Head
GG-6	1	Bearing Retainer
GK-176	1	Felt Washer Retainer
GT-76	1	Felt Washer Retainer
GT-78	1	Felt Washer
X-196	3	#10 Lock Washer
X-295	1	BALL BRG.- S.A.E. #203
8X-311	3	#10-32x3/8 Rd. Hd. Sc.
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

GCE-24C	1	Head Band
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 5-2-40)

NOTE:- VRP-4006A CURRENT-VOLTAGE REGULATOR is used with but is not part of this generator.

‡ Service BRUSH SET GCE-2012S.

UNIT	APPLICATION
GCE-4822A	Diamond T

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCE-4822A GENERATOR ILLUSTRATION

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GCG-3001)	1	Frame & Field Assy.
GAR-211	2	Insulating Bushing
GCG-29	2	Pole Piece
GCG-1007	1	Shunt Coil - Left
GCG-1008A	1	Series Field Coil Assy. - Right
GCG-31	1	Series Lead - Green
GCG-32	1	Ins. Brush Lead Assy.
X-1425	1	Terminal
GCG-34	1	C.B. Lead - White
GK-38	2	Pole Piece Screw
MAB-30	1	Field Connection Ins.
MN-21	2	Dowel Pin
MW-20	2	Frame Screw
X-199	2	1/4 Lock Washer

Comm. End Plate Assembly & Parts Used With

DA-22	1	Bearing Retaining Washer
DA-39	1	Flat Oil Guard
DA-60	1	Bearing Retaining Screw
DJ-4	1	Comm. End Cap Cover
DJ-10	1	End Cap Cover Gasket
GCG-1012	2	Brush - Main
GCG-3002	1	Comm. End Plate Assy.
GR-32	1	Felt Washer Retainer
GR-35	1	Felt Washer
X-195	2	#8 Lock Washer
X-199	1	1/4 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
8X-305	2	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GCG-3286F	1	Armature Assy.
GAR-171	2	Snap Ring
GR-32	1	Felt Washer Retainer
SP-216	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GAR-1062D	1	Drive End Head Assy.
GAR-62C	1	Drive End Head
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-295	1	Ball Brg. - S.A.E. #203
X-386	1	Ball Oiler - 1/4 Press-In
8X-1003	3	#10-32x7/8 Rd. Hd. Screw
X-1270	3	#10 Skpf. Washer

Miscellaneous Parts

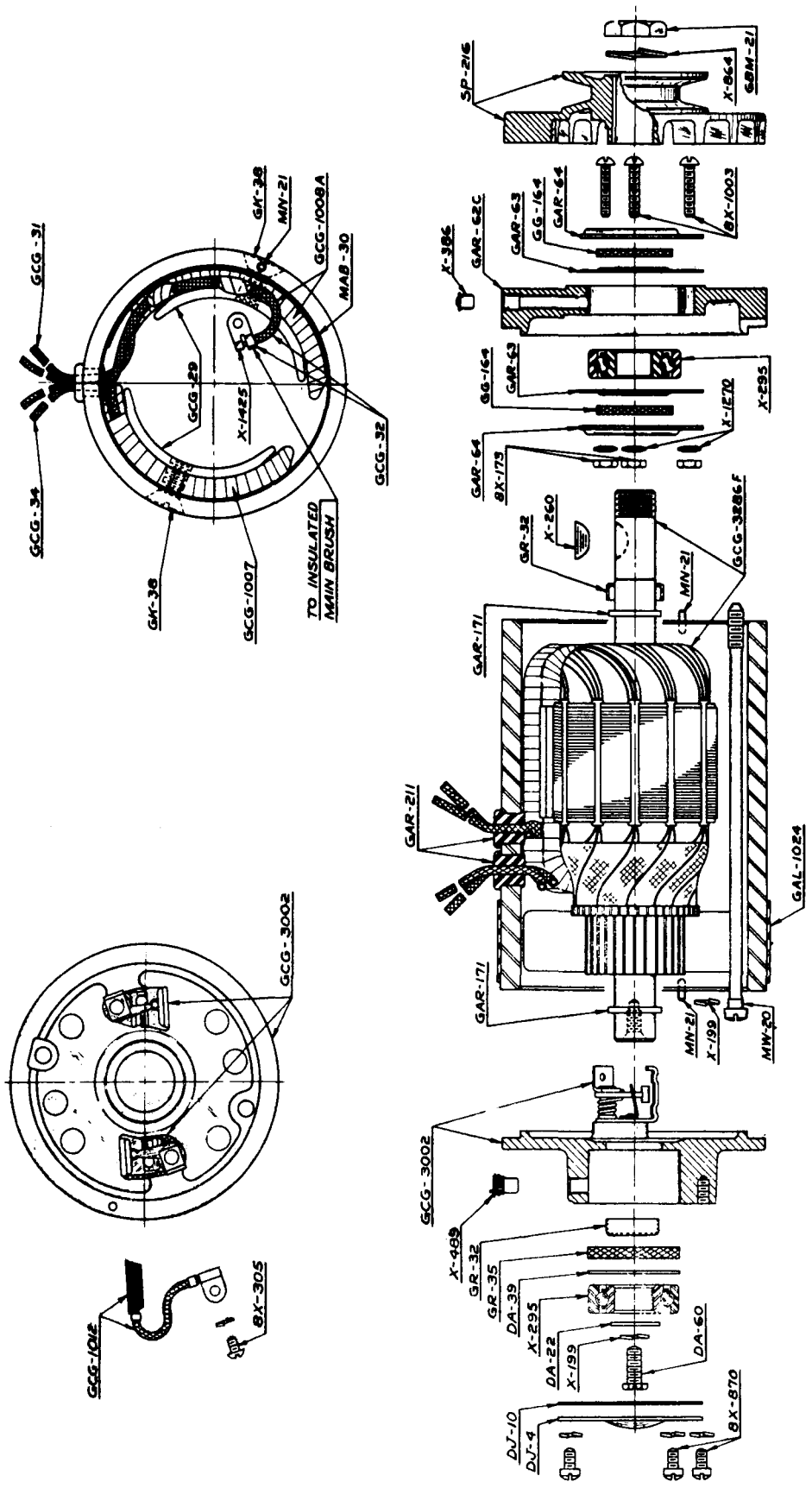
GAL-1024	1	Head Band Assembly
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 7-24-36)

NOTE:- Use GCG-2012S brush set in servicing this unit.

"NOTE: Where part numbers re shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCG-4601 MOTOR-GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBG-69	1	Mounting Bracket
(GCH-2031)	1	Frame & Field Assy.
GBF-55	1	Insulating Washer
GBG-22	1	Terminal Post - 10-32
GBG-23	1	Terminal Post - 5/16-24
GBG-27	1	Control Lead Assy.
MAB-14A	1	Terminal
X-1425	2	Terminal
GBG-29	1	Terminal Post Insulation
GBG-30	1	Field Connection Ins.
GBG-38	8	Pole Piece Screw
GBG-62	1	Terminal Post Insulation
GBH-29	4	Pole Piece
GCH-1005	1	Field Coil Assy. - Comp.
GCH-1007	1	Field Coil Assy. - U.R.
GBG-26	1	Terminal
GCH-1008	1	Field Coil - L.L.
GCH-1009	1	Field Coil - L.R.
GCH-1010	1	Field Coil Assy. - U.L.
X-1425	1	Terminal
GCY-25	1	Insulating Bushing
GCY-26	1	Insulating Bushing
MU-36	1	Insulating Washer
MU-37	1	5/16 Plain Washer
8X-183A	1	#10 Plain Washer
X-196	1	#10 Lock Washer
X-1014	1	5/16 Lock Washer
8X-1376	1	5/16-24 Hex. Nut
8X-1377	1	#10-32 Hex. Nut
X-33	1	3/8-24x11/16 Flat Hd. Screw
X-196	2	#10 Lock Washer
X-201	3	3/8 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
X-465	3	3/8-24x3/4 Hex. Hd. Screw
X-1014	1	5/16 Lock Washer
8X-1376	1	5/16-24 Hex. Nut
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

DA-60	1	Bearing Retaining Screw
GBG-46	1	Spring Washer
GBG-47	1	Felt Washer
GBG-48	2	Felt Washer Retainer
GBG-63	1	Comm. End Cap Cover
GBG-64	1	End Cap Cover Gasket
GBG-66	1	Bearing Retaining Washer
(GBG-2002A)	1	Comm. End Plate Assy.
DA-38	2	Spring Washer
DE-85	1	Steel Washer
GBG-2	1	Comm. End Plate
GBG-41	2	Brush Holder Plate Screw
GBG-51	2	Plain Washer
GBG-1031	1	Brush Holder Plate Assy.
GBG-18R	4	Brush Holder
GBG-36	4	Brush Spring
GBG-40	4	Brush Holder Terminal
GBG-85	4	Brush Holder Stud
GBG-1037	4	Brush Arm
8X-173	4	#10-32 Hex. Nut
X-196	4	#10 Lock Washer
		1 2 3 4 5

Comm. End Plate Assembly (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
GK-151	1	Plain Steel Washer
8X-208	1	#10-32x9/16 Hex. Hd. Sc.
8X-361	2	1/4 Plain Washer
X-1270	1	#10 Skpf. Washer
GCH-1012	4	Brush - Main
X-195	4	#8 Lock Washer
8X-305	4	#8-32x1/4 Rd. Hd. Sc.
8X-118	6	#10-32x3/4 Fill. Hd. Screw
X-195	3	#8 Lock Washer
X-196	10	#10 Lock Washer
X-199	1	1/4 Lock Washer
8X-305	3	#8-32x1/4 Rd. Hd. Screw
X-394	1	Screw-in - Sleeve Oiler
X-440	1	Ball Bearing - Shielded
8X-870	4	#10-32x5/16 Fill. Hd. Screw

Armature Assembly & Parts Used With

GBG-49	2	Armature Shaft Spacer
GCH-2030F	1	Armature Assy.
SP-217	1	Drive Pulley
X-263	1	#8 Woodruff Key
X-1134	1	5/8 Plain Washer
X-1177	1	5/8 Skpf. Washer
X-1178	1	5/8-18 Hex. Nut

Drive End Head Assembly & Parts Used With

GBG-1068	1	Drive End Head Assy.
GBG-50	1	Gasket
GBG-57	1	Felt Washer Retainer
GBG-58	1	Felt Washer
GBG-68	1	Drive End Head
GBG-1056	1	Bearing Retainer Assy.
GBG-56	1	Bearing Retainer
GBG-57	1	Felt Washer Retainer
GBG-58	1	Felt Washer
8X-119	4	#10-32x1/2 Fill. Hd. Sc.
X-196	4	#10 Lock Washer
X-444	1	Ball Brg. - S.A.E. #305
8X-118	6	#10-32x3/4 Fill. Hd. Screw
X-394	1	Screw-in - Sleeve Oiler
X-544	6	#10 Lock Washer

Miscellaneous Parts

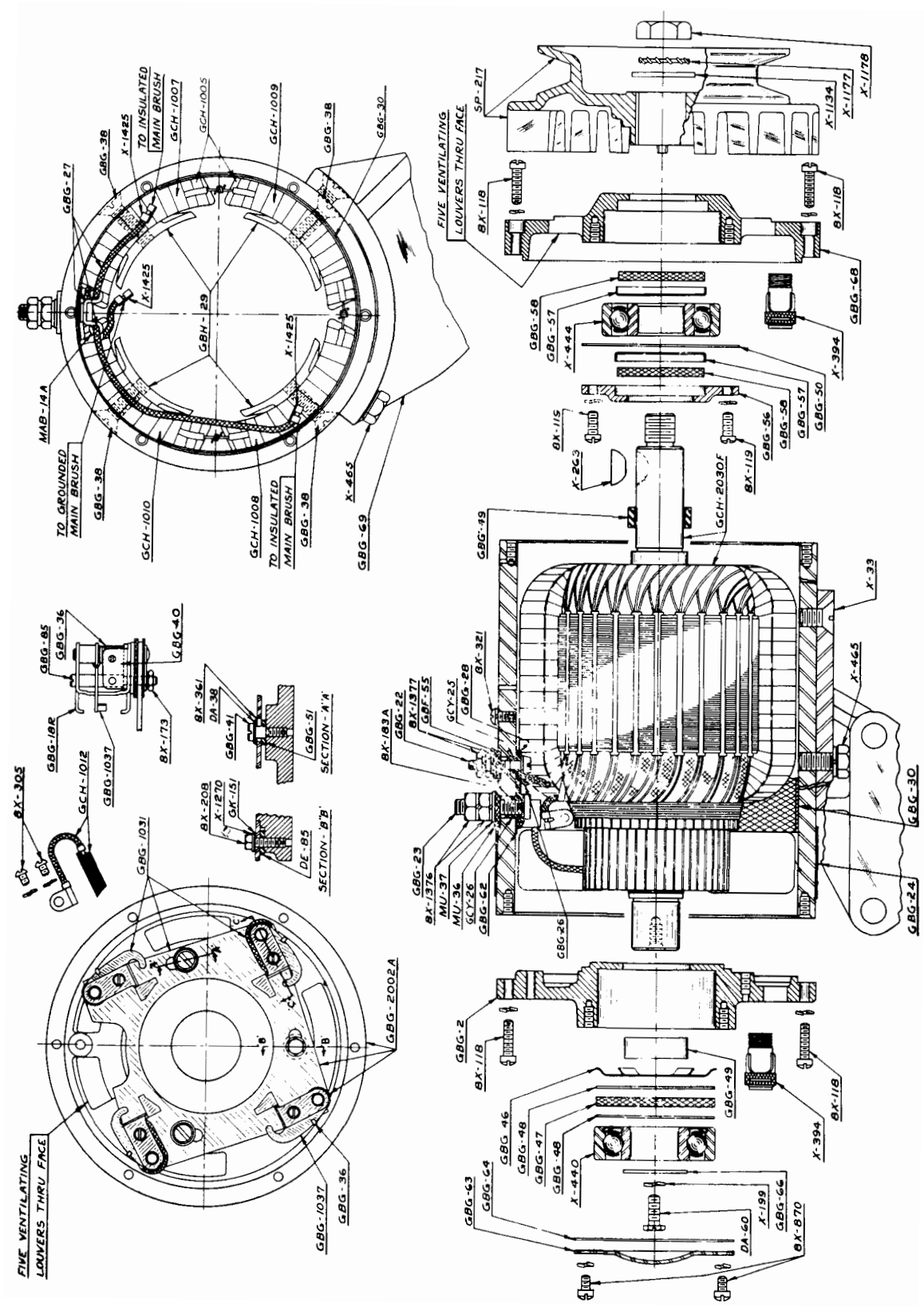
GBG-24	1	Head Band
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 11-1-37)

NOTE:- Use GCH-2012S brush set in servicing this unit.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCH-4601 GENERATOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GCH-2033)	1	Frame & Field Assy.
GBF-55	1	Insulating Washer
GBG-22	1	Terminal Post - #10-32
GBG-23	1	Terminal Post - 5/16-24
GBG-27	1	Control Lead Assy.
MAB-14A	1	Terminal
X-1425	2	Terminal
GBG-28	1	Terminal Post Insulation
GBG-30	1	Field Connection Ins.
GBG-38	8	Pole Piece Screw
GBG-62	1	Terminal Post Insulation
GBH-29	4	Pole Piece
GCH-1005	1	Field Coil Assy. - Comp.
GCH-1007	1	Field Coil Assy. - U.R.
GBG-26	1	Terminal
GCH-1008	1	Field Coil - L.L.
GCH-1009	1	Field Coil - L.R.
GCH-1010	1	Field Coil Assy. - U.L.
X-1425	1	Terminal
IGL-10	1	Insulating Bushing
MU-31	1	Insulating Bushing
MU-36	1	Insulating Washer
MU-37	1	5/16 Plain Washer
8X-183A	1	#10 Plain Washer
X-196	1	#10 Lock Washer
X-1014	1	5/16 Lock Washer
8X-1376	1	5/16-24 Hex. Nut
8X-1377	1	#10-32 Hex. Nut
X-196	2	#10 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
X-1014	1	5/16 Lock Washer
8X-1376	1	5/16-24 Hex. Nut
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

DA-60	1	Bearing Retaining Screw
GBG-46	1	Spring Washer
GBG-47	1	Felt Washer
GBG-48	2	Felt Washer Retainer
GBG-63	1	Comm. End Cap Cover
GBG-64	1	End Cap Cover Gasket
GBG-66	1	Bearing Retaining Washer
(GBG-2002A)	1	Comm. End Plate Assy.
DA-38	2	Spring Washer
DE-85	1	Steel Washer
GBG-2	1	Comm. End Plate
GBG-41	2	Brush Holder Plate Screw
GBG-51	2	Plain Washer
GBG-1031	1	Brush Holder Plate Assy.
GBG-18R	4	Brush Holder
GBG-36	4	Brush Spring
GBG-40	4	Brush Holder Terminal
GBG-85	4	Brush Holder Stud
GBG-1037	4	Brush Arm
8X-173	4	#10-32 Hex. Nut
X-196	4	#10 Lock Washer
GCH-1012‡	4	Brush - Main
GA-151	1	Plain Steel Washer
X-195	4	#8 Lock Washer
8X-208	1	#10-32x9/16 Hex. Hd. Sc.
8X-305	4	#8-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

Comm. End Plate Assembly (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
8X-361	2	1/4 Plain Washer
X-1270	1	#10 Skpf. Washer
8X-118	6	#10-32x3/4 Fill. Hd. Screw
X-195	3	#8 Lock Washer
X-196	10	#10 Lock Washer
X-199	1	1/4 Lock Washer
8X-305	3	#8-32x1/4 Rd. Hd. Screw
X-394	1	Screw-in - Sleeve Oiler
X-440	1	Ball Bearing - Shielded
X-544	6	#10 Lock Washer
8X-870	4	#10-32x5/16 Fill. Hd. Screw

Armature Assembly & Parts Used With

GBG-49	2	Armature Shaft Spacer
GBG-81	1	Snap Ring
GCH-2032F	1	Armature Assembly
SP-227	1	Ventilating Fan
X-158	1	1/2-20 Hex. Nut
X-198	1	1/2 Lock Washer
X-261	1	#6 Woodruff Key
X-263	1	#8 Woodruff Key
X-358	1	1/2 Plain Steel Washer

Drive End Head Assembly & Parts Used With

GBG-1068	1	Drive End Head Assy.
GBG-50	1	Gasket
GBG-57	1	Felt Washer Retainer
GBG-58	1	Felt Washer
GBG-68	1	Drive End Head
GBG-1056	1	Bearing Retainer Assy.
GBG-56	1	Bearing Retainer
GBG-57	1	Felt Washer Retainer
GBG-58	1	Felt Washer
8X-119	4	#10-32x1/2 Fill. Hd. Screw
X-196	4	#10 Lock Washer
X-444	1	Ball Brg. - S.A.E. #305
8X-118	6	#10-32x3/4 Fill. Hd. Screw
X-394	1	Screw-in - Sleeve Oiler

Miscellaneous Parts

GBG-24	1	Head Band
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 4-5-37)

NOTE:- VRC-4101A Current-Voltage Regulator is used with but is not a part of this generator.

‡ Service Brush Set GCH-2012S.

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCH-4602 GENERATOR ILLUSTRATION

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GCH-2033)	1	Frame & Field Assy.
GBF-55	1	Insulating Washer
GBG-22	1	Terminal Post - #10-32
GBG-23	1	Terminal Post - 5/16-24
GBG-27	1	Control Lead Assy.
MAB-14A	1	Terminal
X-1425	2	Terminal
GBG-28	1	Terminal Post Insulation
GBG-30	1	Field Connection Ins.
GBG-38	8	Pole Piece Screw
GBG-62	1	Terminal Post Insulation
GBH-29	4	Pole Piece
GCH-1005	1	Field Coil Assy. - Comp.
GCH-1007	1	Field Coil Assy. - U.R.
GBG-26	1	Terminal
GCH-1008	1	Field Coil - L.L.
GCH-1009	1	Field Coil - L.R.
GCH-1010	1	Field Coil Assy. - U.L.
X-1425	1	Terminal
IGL-10	1	Insulating Bushing
MU-31	1	Insulating Bushing
MU-36	1	Insulating Washer
MU-37	1	5/16 Plain Washer
8X-183A	1	#10 Plain Washer
X-196	1	#10 Lock Washer
X-1014	1	5/16 Lock Washer
8X-1376	1	5/16-24 Hex. Nut
8X-1377	1	#10-32 Hex. Nut
X-196	2	#10 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
X-1014	1	5/16 Lock Washer
8X-1376	1	5/16-24 Hex. Nut
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

DA-60	1	Bearing Retaining Screw
GBG-46	1	Spring Washer
GBG-47	1	Felt Washer
GBG-48	2	Felt Washer Retainer
GBG-63	1	Comm. End Cap Cover
GBG-64	1	End Cap Cover Gasket
GBG-66	1	Bearing Retaining Washer
(GBG-2002A)	1	Comm. End Plate Assy.
DA-38	2	Spring Washer
DE-85	1	Steel Washer
GBG-2	1	Comm. End Plate
GBG-41	2	Brush Holder Plate Screw
GBG-51	2	Plain Washer
GBG-1031	1	Brush Holder Plate Assy.
GBG-18R	4	Brush Holder
GBG-36	4	Brush Spring
GBG-40	4	Brush Holder Terminal
GBG-85	4	Brush Holder Stud
GBG-1037	4	Brush Arm
8X-173	4	#10-32 Hex. Nut
X-196	4	#10 Lock Washer
GCH-1012‡	4	Brush - Main
GK-151	1	Plain Steel Washer
X-195	4	#8 Lock Washer
8X-208	1	#10-32x9/16 Hex. Hd. Sc.
8X-305	4	#8-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

Comm. End Plate Assembly (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
8X-361	2	1/4 Plain Washer
X-1270	1	#10 Skpf. Washer
8X-118	6	#10-32x3/4 Fill. Hd. Screw
X-195	3	#8 Lock Washer
X-196	10	#10 Lock Washer
X-199	1	1/4 Lock Washer
8X-305	3	#8-32x1/4 Rd. Hd. Screw
X-394	1	Screw-in - Sleeve Oiler
X-440	1	Ball Bearing - Shielded
X-544	6	#10 Lock Washer
8X-870	4	#10-32x5/16 Fill. Hd. Screw

Armature Assembly & Parts Used With

GBG-49	2	Armature Shaft Spacer
GBG-81	1	Snap Ring
GCH-2032F	1	Armature Assembly
SP-227	1	Ventilating Fan
X-158	1	1/2-20 Hex. Nut
X-198	1	1/2 Lock Washer
X-261	1	#6 Woodruff Key
X-263	1	#8 Woodruff Key
X-358	1	1/2 Plain Steel Washer

Drive End Head Assembly & Parts Used With

GBG-1068	1	Drive End Head Assy.
GBG-50	1	Gasket
GBG-57	1	Felt Washer Retainer
GBG-58	1	Felt Washer
GBG-68	1	Drive End Head
GBG-1056	1	Bearing Retainer Assy.
GBG-56	1	Bearing Retainer
GBG-57	1	Felt Washer Retainer
GBG-58	1	Felt Washer
8X-119	4	#10-32x1/2 Fill. Hd. Screw
X-196	4	#10 Lock Washer
X-444	1	Ball Brg. - S.A.E. #305
8X-118	6	#10-32x3/4 Fill. Hd. Screw
X-394	1	Screw-in - Sleeve Oiler

Miscellaneous Parts

GBG-24	1	Head Band
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

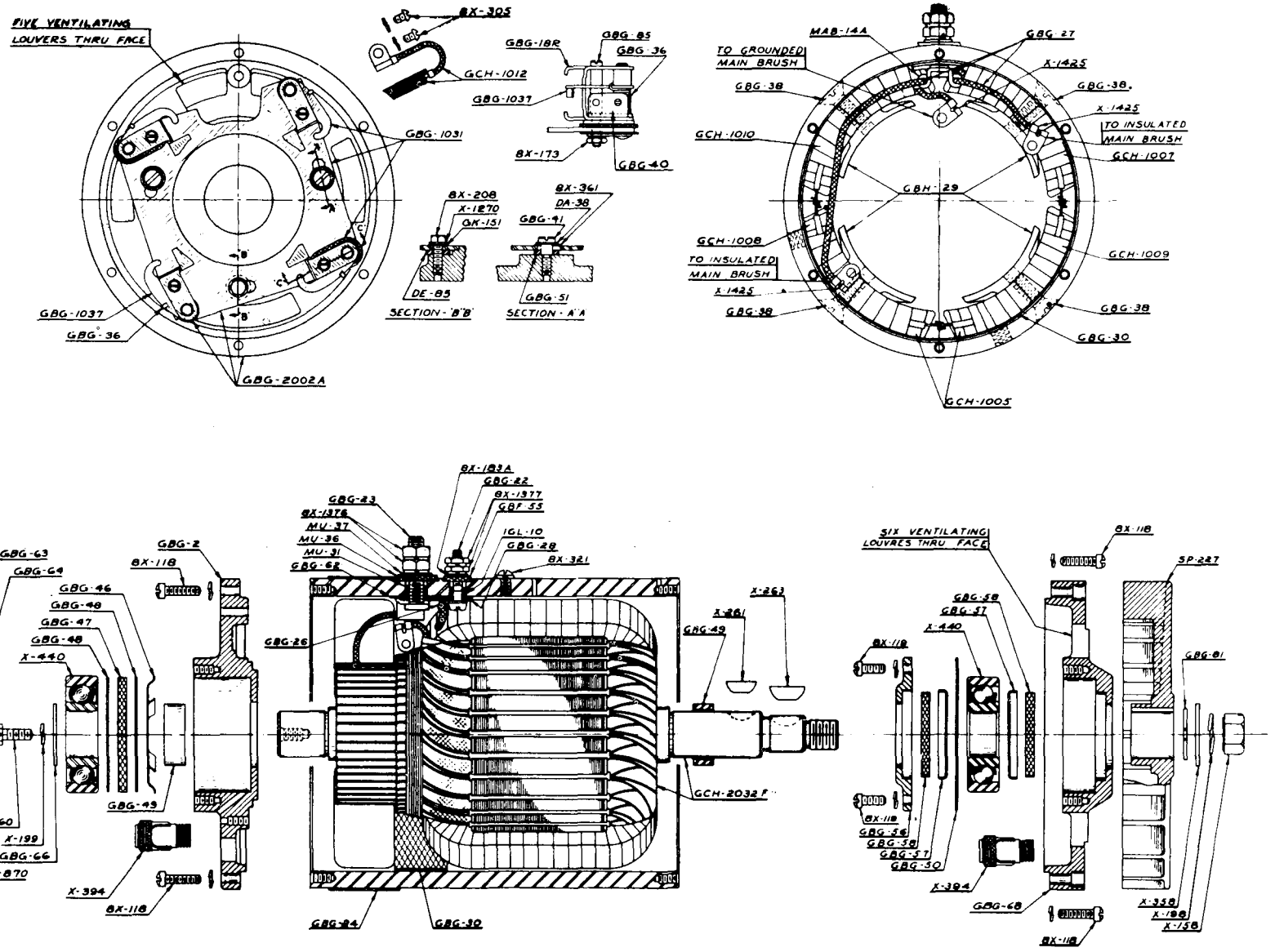
(Issued 4-5-37)

NOTE:- VRC-4101A Current-Voltage Regulator is used with but is not a part of this generator.

‡ Service Brush Set GCH-2012S.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCH-4602 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GCH-2036)	1	Frame & Field Assy.
GBF-55	1	Insulating Washer
GBG-22	1	Terminal Post - 10-32
GBG-23	1	Terminal Post - 5/16-24
GBG-27	1	Control Lead Assy.
MAB-14A	1	Terminal
X-1425	2	Terminal
GBG-28	1	Terminal Post Ins.
GBG-30	1	Field Connection Ins.
GBG-38	8	Pole Piece Screw
GBG-62	1	Terminal Post Ins.
GBH-29	4	Pole Piece
GCH-1005	1	Field Coil Assy.-Comp.
GCH-1007	1	Field Coil Assy.-U.R.
GBG-26	1	Terminal
GCH-1008	1	Field Coil - L.L.
GCH-1009	1	Field Coil - L.R.
GCH-1010	1	Field Coil Assy.-U.L.
X-1425	1	Terminal
GCY-25	1	Insulating Bushing
GCY-26	1	Insulating Bushing
MU-36	1	Insulating Washer
MU-37	1	5/16 Plain Washer
8X-183A	1	#10 Plain Washer
X-196	1	#10 Lock Washer
X-1014	1	5/16 Lock Washer
8X-1376	1	5/16-24 Hex. Nut
8X-1377	1	#10-32 Hex. Nut
X-196	2	#10 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Sc.
X-1014	1	5/16 Lock Washer
8X-1376	1	5/16-24 Hex. Nut
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

GBG-46	1	Spring Washer
GBG-47	1	Felt Washer
GBG-48	2	Felt Washer Retainer
GBG-50	1	Gasket
GBG-1056	1	Bearing Retainer Assy.
GBG-56	1	Bearing Retainer
GBG-57	1	Felt Washer Retainer
GBG-58	1	Felt Washer
(GBG-2075A)	1	Comm. End Plate Assy.
DA-38	2	Spring Washer
DE-85	1	Steel Washer
GBG-41	2	Brush Holder Plate Screw
GBG-51	2	Plain Washer
GBG-75	1	Comm. End Plate
GBG-1031	1	Brush Holder Plate Assy.
GBG-18R	4	Brush Holder
GBG-36	4	Brush Spring
GBG-40	4	Brush Holder Terminal
GBG-85	4	Brush Holder Stud
GBG-1037	4	Brush Arm
8X-173	4	#10-32 Hex. Nut
X-196	4	#10 Lock Washer
		1 2 3 4 5

Comm. End Plate Assembly (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCH-1012‡	4	Brush - Main
GK-151	1	Plain Steel Washer
X-195	4	#8 Lock Washer
8X-208	1	#10-32x9/16 Hex.Hd.Screw
8X-305	4	#8-32x1/4 Rd. Hd. Screw
8X-361	2	1/4 Plain Washer
X-1270	1	#10 Skpf. Washer
8X-118	6	#10-32x3/4 Fill. Hd. Screw
8X-119	4	#10-32x1/2 Fill. Hd. Screw
X-195	3	#8 Lock Washer
X-196	4	#10 Lock Washer
8X-305	3	#8-32x1/4 Rd. Hd. Screw
X-394	1	Screw in - Sleeve Oiler
X-440	1	Ball Bearing - Shielded
X-544	6	#10 Lock Washer

Armature Assembly & Parts Used With

DG-73	1	Armature Shaft Sleeve
GBG-49	2	Armature Shaft Spacer
GBG-77	1	Plain Washer
GBG-1072	1	Oil Thrower Assy.
GBM-21	1	Armature Shaft Nut
GCH-2035F	1	Armature Assembly
SP-223	1	Ventilating Fan
X-261	1	#6 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GBG-1071	1	Drive End Head Assy.
GBG-50	1	Gasket
GBG-71	1	Drive End Head
GBG-1056	1	Bearing Retainer Assy.
GBG-56	1	Bearing Retainer
GBG-57	1	Felt Washer Retainer
GBG-58	1	Felt Washer
8X-119	4	#10-32x1/2 Fill.Hd.Screw
X-196	4	#10 Lock Washer
X-440	1	Ball Brg. - Shielded
X-199	5	1/4 Lock Washer
X-394	1	Screw in - Sleeve Oiler
8X-456	5	1/4-28x1 Hex. Hd. Screw

Miscellaneous Parts

GBG-24A	1	Head Band
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 12-2-37)

NOTE:- VRC-4101A Current-Voltage Regulator is used with but is not a part of this generator.

‡ Service Brush Set GCH-2012S.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCH-4603 GENERATOR ILLUSTRATION

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GCH-2001A)	1	Frame & Field Assy.
GBF-55	1	Insulating Washer
GBG-22	1	Terminal Post #10-32
GBG-23	1	Terminal Post - 5/16-24
GBG-27	1	Control Lead Assy.
MAB-14A	1	Terminal
X-1425	2	Terminal
GBG-28	1	Term. Post Insulation
GBG-30	1	Field Connection Ins.
GBG-38	8	Pole Piece Screw
GBG-62	1	Term. Post Insulation
GBH-29	4	Pole Piece
GCH-1005	1	FIELD COIL ASSY.-COMP.
GCH-1007	1	Field Coil Assy.-U.R.
GBG-26	1	Terminal
GCH-1008	1	Field Coil - L.L.
GCH-1009	1	Field Coil - L.R.
GCH-1010	1	Field Coil Assy.-U.L.
X-1425	1	Terminal
GCY-27	1	Insulating Bushing
GCY-28	1	Insulating Bushing
MU-36	1	Insulating Washer
MU-37	1	5/16 Plain Washer
8X-183A	1	#10 Plain Washer
12X-196	1	#10 Lock Washer
12X-1014	1	5/16 Lock Washer
8X-1376	1	5/16-24 Hex. Nut
8X-1377	1	#10-32 Hex. Nut
12X-196	2	#10 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Sc.
12X-1014	1	5/16 Lock Washer
8X-1376	1	5/16-24 Hex. Nut
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

DA-60	1	Bearing Retaining Screw
GBG-46	1	Spring Washer
GBG-47	1	Felt Washer
GBG-48	2	Felt Washer Retainer
GBG-63	1	Comm. End Cap Cover
GBG-64	1	End Cap Cover Gasket
GBG-66	1	Bearing Retaining Washer
(GCH-2097)	1	Comm. End Plate Assy.
DA-38	2	Spring Washer
DE-85	1	Steel Washer
GBG-41	2	Brush Holder Plate Sc.
GBG-51	2	Plain Washer
GBG-97	1	Comm. End Plate
GBG-1031	1	Brush Holder Plate Assy.
GBG-18R	4	Brush Holder
GBG-36	4	Brush Spring
GBG-40	4	Brush Holder Terminal
GBG-85	4	Brush Holder Stud
GBG-1037	4	Brush Arm
8X-173	4	#10-32 Hex. Nut
X-196	4	#10 Lock Washer
GCH-1012†	4	Brush - Main
GK-151	1	Plain Steel Washer
X-195	4	#8 Lock Washer
8X-208	1	#10-32x9/16 Hex. Hd. Sc.
8X-305	4	#8-32x1/4 Rd. Hd. Sc.
8X-361	2	1/4 Plain Washer
X-1270	1	#10 Skpf. Washer
		1 2 3 4 5

Comm. End Plate Assembly (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
8X-118	6	#10-32x3/4 Fill. Hd. Sc.
X-195	3	#8 Lock Washer
12X-196	10	#10 Lock Washer
X-199	1	1/4 Lock Washer
8X-305	3	#8-32x1/4 Rd. Hd. Screw
X-394	1	Screw in - Sleeve Oiler
X-440	1	BALL BRG. - SHIELDED
8X-870	4	#10-32x5/16 Fill. Hd. Sc.

Armature Assembly & Parts Used With

GBG-49	2	Armature Shaft Spacer
GBG-81	1	Snap Ring
GCH-2032F	1	ARMATURE ASSEMBLY
SP-227A	1	Ventilating Fan
8X-158	1	1/2-20 Hex. Nut
12X-198	1	1/2 Lock Washer
X-261	1	#6 Woodruff Key
X-263	1	#8 Woodruff Key
8X-358	1	1/2 Plain Steel Washer

Drive End Head Assembly & Parts Used With

GBG-1098	1	Drive End Head Assy.
GBG-50	1	Gasket
GBG-57	1	Felt Washer Retainer
GBG-58	1	Felt Washer
GBG-98	1	Drive End Head
GBG-1056	1	Bearing Retainer Assy.
GBG-56	1	Bearing Retainer
GBG-57	1	Felt Washer Retainer
GBG-58	1	Felt Washer
8X-119	4	#10-32x1/2 Fill. Hd. Sc.
X-196	4	#10 Lock Washer
X-444	1	BALL BRG. - S.A.E. #305
8X-118	6	#10-32x3/4 Fill. Hd. Screw
X-394	1	Screw in - Sleeve Oiler
12X-544	6	#10 Lock Washer

Miscellaneous Parts

GBG-24B	1	Head Band
8X-715	1	#10-32x1 1/4 Rd. Hd. Sc.
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 2-27-39)

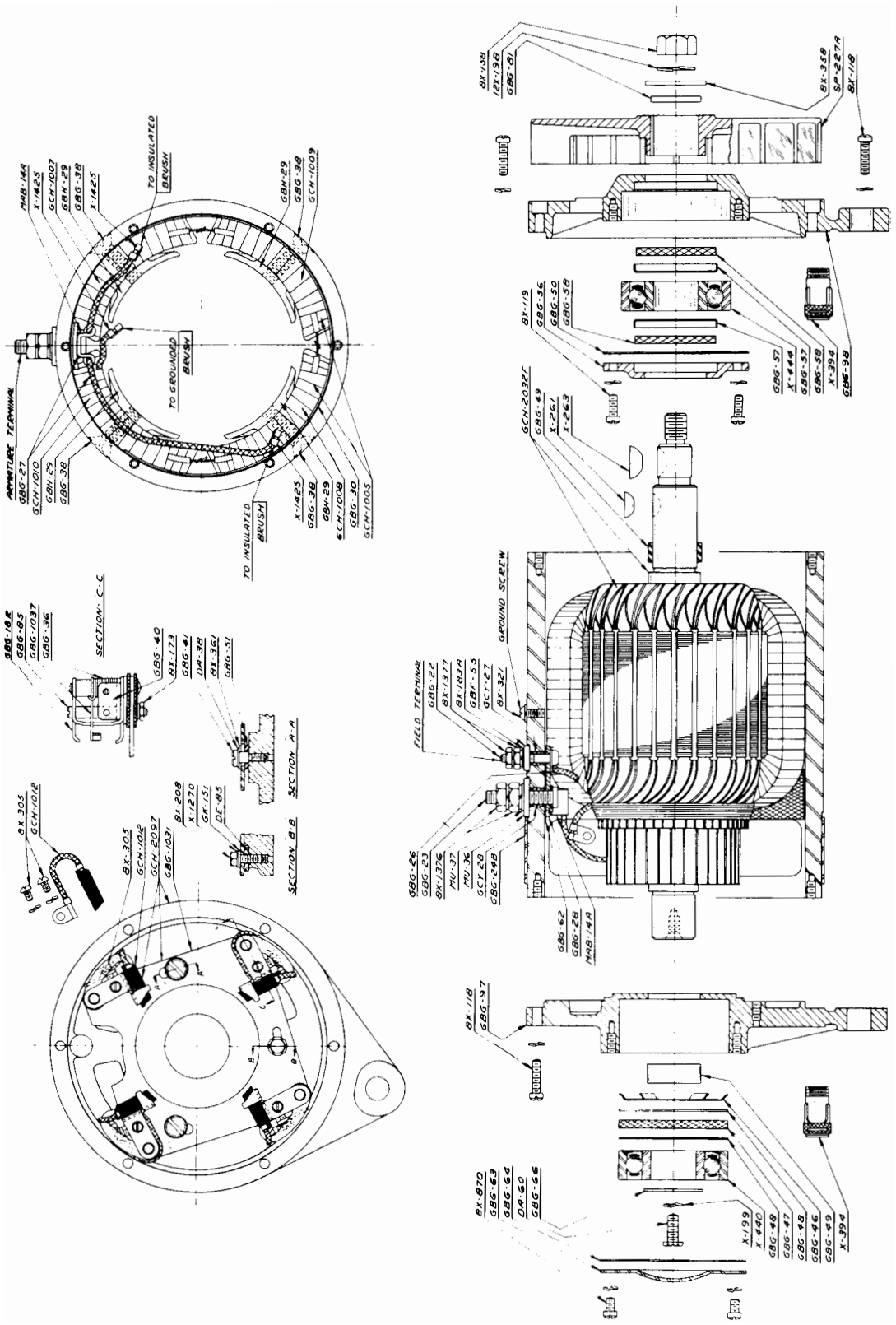
NOTE:- VRC-4102A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

† SERVICE BRUSH SET GCH-2012S.

UNIT	APPLICATION
GCH-4604	Dodge Truck

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCH-4604 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GCH-2045)	1	Frame & Field Assembly
GBF-55	1	Insulating Washer
GBG-22	1	Terminal Post - 10-32
GBG-23	1	Terminal Post - 5/16-24
GBG-28	1	Terminal Post Insulation
GBG-30	1	Field Connection Ins.
GBG-38	8	Pole Piece Screw
GBG-62	1	Terminal Post Insulation
GBG-102	1	Control Lead Assy.
MAB-14A	1	Terminall
X-1425	2	Terminal
GBH-29	4	Pole Piece
GCH-1005A	1	FIELD COIL ASSY. - COMP.
GCH-1007A	1	Field Coil Assy. - U.R.
X-1425	1	Terminal
GCH-1008	1	Field Coil - L.L.
GCH-1009	1	Field Coil - L.R.
GCH-1010A	1	Field Coil Assy. - U.L.
GBG-26	1	Terminal
GCY-27	1	Insulating Bushing
GCY-28	1	Insulating Bushing
MU-36	1	Insulating Washer
MU-37	1	5/16 Plain Washer
8X-183A	1	#10 Plain Washer
X-196	1	#10 Lock Washer
X-1014	1	5/16 Lock Washer
8X-1376	1	5/16-24 Hex. Nut
8X-1377	1	#10-32 Hex. Nut
X-196	2	#10 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
X-1014	1	5/16 Lock Washer
8X-1376	1	5/16-24 Hex. Nut
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

DA-60	1	Bearing Retaining Screw
GBG-46	1	Spring Washer
GBG-47	1	Felt Washer
GBG-48	2	Felt Washer Retainer
GBG-63	1	Comm. End Cap Cover
GBG-64	1	End Cap Cover Gasket
GBG-66	1	Bearing Retaining Washer
(GCH-2002A)	1	Comm. End Plate Assy.
DA-38	2	Spring Washer
DE-85	1	Steel Washer
GBG-2	1	Comm. End Plate
GBG-41	2	Brush Holder Plate Screw
GBG-51	2	Plain Washer
GBG-1031	1	Brush Holder Plate Assy.
GBG-18R	4	Brush Holder
GBG-36	4	Brush Spring
GBG-40	4	Brush Holder Terminal
GBG-85	4	Brush Holder Stud
GBG-1037	4	Brush Arm
8X-173	4	#10-32 Hex. Nut
X-196	4	#10 Lock Washer
GCH-1012‡	4	Brush - Main
GK-151	1	Plain Steel Washer
		1 2 3 4 5

Part No.	No. Used	Name of Part
		1 2 3 4 5
X-195	4	#8 Lock Washer
8X-208	1	#10-32x9/16 Hex. Hd. Sc.
8X-305	4	#8-32x1/4 Rd. Hd. Screw
8X-361	2	1/4 Plain Washer
X-1270	1	#10 Skpf. Washer
8X-118	6	#10-32x3/4 Fill. Hd. Screw
X-195	3	#8 Lock Washer
X-196	10	#10 Lock Washer
X-199	1	1/4 Lock Washer
8X-305	3	#8-32x1/4 Rd. Hd. Screw
X-394	1	Screw-in - Sleeve Oiler
X-440	1	BALL BEARING - Shielded
8X-870	1	#10-32x5/16 Fill. Hd. Screw

Armature Assembly & Parts Used With

GBG-49	2	Armature Shaft Spacer
GBG-81	1	Snap Ring
GCH-2032F	1	ARMATURE ASSEMBLY
SP-227	1	Ventilating Fan
X-158	1	1/2-20 Hex. Nut
X-198	1	1/2 Lock Washer
X-261	1	#6 Woodruff Key
X-263	1	#8 Woodruff Key
X-358	1	1/2 Plain Steel Washer

Drive End Head Assembly & Parts Used With

GBG-1068	1	Drive End Head Assembly
GBG-50	1	Gasket
GBG-57	1	Felt Washer Retainer
GBG-58	1	Felt Washer
GBG-68	1	Drive End Head
GBG-1056	1	Bearing Retainer Assy.
GBG-56	1	Bearing Retainer
GBG-57	1	Felt Washer Retainer
GBG-58	1	Felt Washer
8X-119	4	#10-32x1/2 Fill. Hd. Screw
X-196	4	#10 Lock Washer
X-444	1	BALL BEARING - S.A.E. #305
8X-118	6	#10-32x3/4 Fill. Hd. Screw
X-394	1	Screw-in - Sleeve Oiler
X-544	6	#10 Lock Washer

Miscellaneous Parts

GBG-24	1	Head Band
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 4-3-39)

NOTE:- VRC-4101A CURRENT VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GCH-4606	Brockway

‡ Service BRUSH SET GCH-2012S.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCH-4606 GENERATOR ILLUSTRATION

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBG-69	1	Bracket, Mounting, Generator
(GCH-2031)	1	Frame & Field Assy.
GBF-55	1	Washer, Ins., Field Term.
GBG-22	1	Post, Field Term., #10-32
GBG-23	1	Post, Arm. Term. 5/16-24
GBG-27	1	Lead Assy.
GBG-121	1	Terminal, 2 Wire
GBG-28	1	Insulation, Term. Post
GBG-30	1	Insulation, Field Connection
GBG-38	8	Screw, Pole Shoe
GBG-62	1	Insulation, Term. Post
GCH-1005	1	Coil Assy., Field, Comp.
GCH-1007	1	Coil Assy., Field, U.R.
GCH-1008	1	Coil, Field, L.L.
GCH-1009	1	Coil, Field, L.R.
GCH-1010	1	Coil Assy., Field, U.L.
GCY-27	1	Bushing, Ins., Field Term.
GCY-28	1	Bushing, Ins., Arm. Term.
MU-36	1	Washer, Ins., Arm. Term.
MU-37	1	Washer, Plain
8X-183A	1	Washer, Plain, #10
X-196	2	Lockwasher "F" Term. #10
X-1014	2	Lockwasher "A" Term. 5/16
8X-1376	2	Nut, Hex., "A" Term. 5/16-24
8X-1377	2	Nut, Hex., "F" Term. #10-32
X-33	1	Screw, Bracket 3/8-24x11/16
12X-196	1	Lockwasher, Ground Screw, #10
12X-201	3	Lockwasher, Bracket Sc., 3/8
8X-321	1	Screw, Rd. Hd. #10-32x5/16
X-465	3	Screw, Bracket, 3/8-24x3/4

Comm. End Head Assembly & Parts Used With

DA-60	1	Screw, Bearing Retaining
GBG-46	1	Washer, Spring
GBG-47	1	Washer, Felt
GBG-48	2	Retainer, Felt Washer
GBG-63	1	Cover, Comm. End
GBG-64	1	Gasket, Comm. End Cover
GBG-66	1	Washer, Bearing Retaining
GCH-2002A	1	Head Assy., Comm. End
DA-38	2	Washer, Spring
DE-85	1	Washer, Plain Inner
GBG-2	1	Head
GBG-41	2	Screw, Attaching, Brush Plate
GBG-51	2	Washer, Plain, Outer
GBG-1031	1	Plate Assy., Brush
GBG-18R	4	Holder, Brush
GBG-36	4	Spring, Brush
GBG-40	4	Terminal, Brush Holder
GBG-85	4	Stud, Brush Holder
GBG-1037	4	Arm, Brush
8X-173	4	Nut, Brush Holder Stud
X-196	4	Lockwasher, Br. Holder Stud
GCH-1012†	4	Brush
GK-151	1	Washer, Plain Outer
		1 2 3 4 5

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
8X-208	1	Screw, Hex. Hd., #10-32x9/16
8X-361	2	Washer, Plain, 1/4
X-1270	1	Washer, Skpf., #10
8X-118	6	Screw, C.E. Head, #10-32x3/4
8X-119	4	Screw, Cover, Fil. Hd. #10-32x1/2
12X-195	4	Lockwasher, Brush Lead Sc., #8
12X-196	10	Lockwasher, C.E. Head & Cover Sc
12X-199	1	Lockwasher, Brg. Ret'g. Sc., 1/4
8X-305	4	Screw, Brush Lead, #8-32x1/4
X-394	1	Oiler, Sleeve, 1/2-20
X-440	1	Bearing, Ball, Shielded, S.A.E.#305

Armature Assembly & Parts Used With

GBG-49	2	Spacer, Armature Shaft
GCH-2030F	1	Armature
SP-217	1	Pulley, Drive
X-263	1	Key, Woodruff, #8
X-1134	1	Washer, Shaft, Plain, 5/8
X-1177	1	Washer, Shaft, Skpf. 5/8
X-1178	1	Nut, Shaft, Hex. 5/8-18

Drive End Head Assembly & Parts Used With

GBG-1068	1	Head Assy., Drive End
GBG-50	1	Gasket, Bearing Retainer
GBG-57	1	Retainer, Felt Washer, Outer
GBG-58	1	Washer, Felt, Outer
GBG-68	1	Head
GBG-1056	1	Retainer Assy., Bearing
GBG-56	1	Retainer, Bearing
GBG-57	1	Retainer, Felt Washer
GBG-58	1	Washer, Felt
8X-119	4	Screw, Bearing Retainer
X-196	4	Lockwasher, Retainer Sc., #10
X-444	1	Bearing, Ball, S.A.E. #305
8X-118	6	Screw, D.E. Head, #10-32x3/4
X-394	1	Oiler, Sleeve, 1/2-20
12X-544	6	Lockwasher, D.E. Head Sc., #10

Miscellaneous Parts

GBG-24C	1	Band, Cover
X-715	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/4
8X-794	1	Nut, Cover Band, Square #10-32
		1 2 3 4 5

† Brush Set, Service GCH-2012S.

NOTE:- VRC-4101B Current-Voltage Regulator is used with but is not a part of this generator.

Unit	Application
GCH-4607A-1	Diamond T

(Issued 10-31-46)

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File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GCH-2037)	1	Frame & Field Assy.
GBF-55	1	Washer, Ins., Field Term.
GBG-22	1	Stud, "F" Term., #10-32
GBG-23	1	Stud, "A" Term., 5/16-24
GBG-27	1	Lead Assy.
GBG-121	1	Terminal, 2 Wire
X-1425	2	Terminal
GBG-28	1	Insulation, Term. Stud
GBG-30	1	Insulation, Field Connection
GBG-38	8	Screw, Pole Shoe
GBG-62	1	Insulation, Term. Stud
GBH-48	1	Bracket, Mounting, Upper
GBH-49	1	Bracket, Mounting, Lower
GCH-1005	1	Coil Assy., Field, Comp.
GCH-1007	1	Coil Assy., Field, U.R.
GBG-26	1	Terminal
GCH-1008	1	Coil, Field, L.L.
GCH-1009	1	Coil, Field, L.R.
GCH-1010	1	Coil Assy., Field, U.L.
X-1425	1	Terminal
GCY-27	1	Bushing, Ins., Field Term.
GCY-28	1	Bushing, Ins., Arm. Term.
MU-36	1	Washer, Ins., Arm. Term.
MU-37	1	Washer, Plain
X-86	2	Screw, Hex. Hd., 1/4-20x5/8
8X-183A	1	Washer; Field Term. Plain, #10
12X-196	1	Lockwasher, "F" Term. #10
12X-199	2	Lockwasher, 1/4
12X-201	4	Lockwasher, 3/8
X-465	4	Screw, Hex. Hd., 3/8-24x3/4
12X-1014	2	Lockwasher, "A" Term. 5/16
5X-1376	2	Nut, Hex., "A" Term. 5/16-24
5X-1377	2	Nut, Hex., "F" Term. #10-32
12X-196	1	Lockwasher, Ground Screw, #10
8X-321	1	Screw, Gd., Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

DA-60	1	Screw, Bearing Retaining
GBG-46	1	Washer, Spring
GBG-47	1	Washer, Felt
GBG-48	2	Retainer, Felt Washer
GBG-63	1	Cover, Comm. End
GBG-64	1	Gasket, Comm. End Cover
GBG-66	1	Washer, Bearing Retaining
GCH-2002A	1	Head Assy., Comm. End
DA-38	2	Washer, Spring
DE-85	1	Washer, Plain Inner
GBG-2	1	Head
GBG-41	2	Screw, Attaching, Brush Plate
GBG-51	2	Washer, Plain, Outer
GBG-1031	1	Plate Assy., Brush
GBG-18R	4	Holder, Brush
GBG-36	4	Spring, Brush
GBG-40	4	Terminal, Brush Holder
		1 2 3 4 5

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBG-85	4	Stud, Brush Holder
GBG-1037	4	Arm, Brush
8X-173	4	Nut, Brush Holder Stud
X-196	4	Lockwasher, Br. Holder Stud
GCH-1012†	4	Brush
GK-151	1	Washer, Plain Outer
8X-208	1	Screw, Hex. Hd., #10-32x9/16
8X-361	2	Washer, Plain, 1/4
X-1270	1	Washer, Skpf., #10
8X-118	6	Screw, C.E. Head, #10-32x3/4
8X-119	4	Screw, C.E. Cover, #10-32x1/2
12X-195	3	Lockwasher, Br. Lead Sc., #8
12X-196	10	Lockwasher, Cover & C.E. Head, #10
12X-199	1	Lockwasher, Brg. Retainer, 1/4
8X-305	3	Screw, Br. Lead, Rd. Hd. #8-32x1/4
X-382	1	Cup, Grease, 1/8 Pipe
X-440	1	Bearing, Ball, Shielded, S.A.E. #305
XA-526	1	Grease Cup Fitting

Armature Assembly & Parts Used With

GBG-49	2	Spacer, Armature Shaft
GBG-122	1	Spacer, Shaft
GCH-2047F	1	Armature
X-1134	1	Washer, Shaft, D.E., Plain 5/8
X-1177	1	Washer, Shaft, D.E., Skpf. 5/8
X-1178	1	Nut, Shaft, D.E., Hex. 5/8-18

Drive End Head Assembly & Parts Used With

GBG-1068	1	Head Assy., Drive End
GBG-50	1	Gasket, Bearing Retainer
GBG-57	1	Retainer, Felt Washer, Outer
GBG-58	1	Washer, Felt, Outer
GBG-68	1	Head
GBG-1056	1	Retainer Assy., Bearing
GBG-56	1	Retainer, Bearing
GBG-57	1	Retainer, Felt Washer
GBG-58	1	Washer, Felt
8X-119	4	Screw, Bearing Retainer
X-196	4	Lockwasher, Retainer Sc., #10
X-444	1	Bearing, Ball, S.A.E. #305
8X-118	6	Screw, D.E. Head, #10-32x3/4
X-382	1	Cup, Grease, 1/8 Pipe
12X-544	6	Lockwasher, D.E. Head Sc., #10
XA-525	1	Grease Cup Elbow
XA-526	1	Grease Cup Fitting

Miscellaneous Parts

GBG-24	1	Band, Cover
X-715	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/4
8X-794	1	Nut, Cover Band, Square #10-32
		1 2 3 4 5

† Brush Set, Service GCH-2012S.

NOTE:- VRC-4101B Current-Voltage Regulator is is used with but is not a part of this generator.

(Issued 10-31-46)

File in Equipment & Parts List Binder

Printed in U. S. A.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GCH-2050)	1	Frame & Field Assy.
GBF-55	1	Washer, Ins., Field Term.
GBG-22	1	Post, Field Term., #10-32
GBG-23	1	Post, Arm. Term., 5/16-24
GBG-28	1	Insulation, Term. Post Inner
GBG-30	1	Insulation, Field Connection
GBG-38	8	Screw, Pole Piece
GBG-62	1	Insulation, Term. Post
GBG-102	1	Lead Assy.
GBG-121	1	Terminal, 2 Wire
X-1425	2	Terminal
GCH-1005A	1	COIL ASSY., FIELD, COMP.
GCH-1007A	1	Coil Assy., Field, U.R.
X-1425	1	Terminal
GCH-1008	1	Coil, Field, L.L.
GCH-1009	1	Coil, Field, L.R.
GCH-1010A	1	Coil Assy., Field, U.L.
GBG-26	1	Terminal
GCY-27	1	Bushing, Ins., Field Term. Inner
GCY-28	1	Bushing, Ins., Arm. Term. Inner
MU-36	1	Washer, Ins., Arm. Term.
MU-37	1	Washer, Plain
8X-183A	1	Washer, Plain, #10
X-196	2	Lockwasher, #10
X-1014	2	Lockwasher, 5/16
8X-1376	2	Nut, Hex., 5/16-24
8X-1377	2	Nut, Hex., #10-32
X-196	1	Lockwasher, Ground Sc., #10
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

DA-60	1	Screw, Bearing, Retaining
GBG-46	1	Washer, Spring
GBG-47	1	Washer, Felt
GBG-48	2	Retainer, Felt Washer
GBG-63	1	Cover, Comm. End
GBG-64	1	Gasket, Comm. End Cover
GBG-66	1	Washer, Bearing, Retaining
GCH-2060A	1	Head Assy., Comm. End
DA-38	2	Washer, Spring
DE-85	1	Washer, Plain
GBG-41	2	Screw, Attaching, Brush Plate
GBG-51	2	Washer, Plain
GBG-60A	1	Head
GBG-1031	1	Plate Assy., Brush
GBG-18R	4	Holder, Brush
GBG-36	4	Spring, Brush
GBG-40	4	Terminal, Brush Holder
GBG-85	4	Stud, Brush Holder
GBG-1037	4	Arm, Brush
		1 2 3 4 5

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
8X-173	4	Nut, Brush Holder Stud, Hex., #10-32
X-196	4	Washer, Lock, Brush Holder Stud, #10
GCH-1012†	4	Brush
GK-151	1	Washer, Plain
X-195	4	Lockwasher, #8
8X-208	1	Screw, Hex. Hd., #10-32x9/16
8X-305	4	Screw, Rd. Hd., #8-32x1/4
8X-361	2	Washer, Plain, 1/4
X-1270	1	Washer, Skpf., #10
8X-118	6	Screw, C.E. Head, Fil. Hd. #10-32x3/4
8X-119	4	Screw, Cover, Fil. Hd. #10-32x1/2
12X-195	3	Lockwasher, Lead Sc., #8
12X-196	10	Lockwasher, Cover Screw & C.E. Head Sc., #10
12X-199	1	Lockwasher, Brg. Retaining Screw, 1/4
8X-305	3	Screw, Lead Connection, Rd. Hd. #8-32x1/4
X-394	1	Oiler, Sleeve, 1/2-20
X-440	1	BEARING, BALL, SHIELDED, S.A.E. #305

Armature Assembly & Parts Used With

GBG-49	2	Spacer, Armature Shaft
GCH-2030F	1	ARMATURE
*	1	Pulley, Drive
X-263	1	Key, Woodruff, D.E., #8
X-1134	1	Washer, Shaft, Plain 5/8
X-1177	1	Washer, Shaft, Skpf. 5/8
X-1178	1	Nut, Shaft, Hex. 5/8-18

Drive End Head Assembly & Parts Used With

GBG-1065A	1	Head Assy., Drive End
GBG-50	1	Gasket, Bearing Retainer
GBG-57	1	Retainer, Felt Washer, Outer
GBG-58	1	Washer, Felt, Outer
GBG-65A	1	Head
GBG-1056	1	Retainer Assy., Bearing
GBG-56	1	Retainer, Bearing
GBG-57	1	Retainer, Felt Washer
GBG-58	1	Washer, Felt
8X-119	4	Screw, Brg. Retainer, Fil. Hd., #10-32x1/2
X-196	4	Lockwasher, Retainer Sc.,#10
X-444	1	BEARING, BALL, S.A.E. #305
8X-118	6	Screw, D.E. Head, Fil. Hd. #10-32x3/4
X-394	1	Oiler, Sleeve, 1/2-20
12X-544	6	Lockwasher, D.E. Head Sc., #10
		1 2 3 4 5

(See Reverse Side)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Miscellaneous Parts

Part No.	No. Used	Name of Part 1 2 3 4 5
GBG-24	1	Band, Cover
X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32 1 2 3 4 5

† BRUSH SET, Service GCH-2012S.

* See table following parts list for part number applying to assembly wanted.

NOTE:- * CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

Assembly No.	Pulley, Drive	Regulator
GCH-4609-1	None	VRC-4101B
GCH-4609A	SP-425	VRC-4101B
GCH-4609A-1	SP-425	VRC-4101A

Unit	Application
GCH-4609-1	Continental
GCH-4609A	Brockway
GCH-4609A-1	Continental

(Issued 2-19-47)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part 1 2 3 4 5
(GCH-2001)	1	Frame & Field Assembly
GBF-55	1	Insulating Washer
GBG-22	1	Terminal Post - 10-32
GBG-23	1	Terminal Post-5/16-24
GBG-27	1	Control Lead Assembly
GBG-121	1	Terminal
X-1425	2	Terminal
GBG-28	1	Terminal Post Insulation
GBG-30	1	Field Connection Ins.
GBG-38	8	Pole Piece Screw
GBG-62	1	Terminal Post Insulation
GBH-29	4	Pole Piece
GCH-1005	1	FIELD COIL ASSY.-Comp.
GCH-1007	1	Field Coil Assy-U.R.
GBG-26	1	Terminal
GCH-1008	1	Field Coil - L.L.
GCH-1009	1	Field Coil - L.R.
GCH-1010	1	Field Coil Assy.-U.L.
X-1425	1	Terminal
GCY-27	1	[illegible] Bushing
GCY-28	1	[illegible]ating Bushing
MU-36	1	Insulating Washer
MU-37	1	5/16 Plain Washer
8X-183A	1	#10 Plain Washer
X-196	1	#10 Lock Washer
X-1014	1	5/16 Lock Washer
8X-1376	1	5/16-24 Hex. Nut
8X-1377	1	#10-32 Hex. Nut
X-196	2	#10 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
X-1014	1	5/16 Lock Washer
8X-1376	1	5/16-24 Hex. Nut
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

DA-60	1	Bearing Retaining Screw
GBG-46	1	Spring Washer
GBG-47	1	Felt Washer
GBG-48	2	Felt Washer Retainer
GBG-63	1	Comm. End Cap Cover
GBG-64	1	End Cap Cover Gasket
GBG-66	1	Bearing Retaining Washer
(GCH-2060)	1	Comm. End Plate Assembly
DA-38	2	Spring Washer
DE-85	1	Steel Washer
GBG-41	2	Br. Holder Plate Screw
GBG-51	2	Plain Washer
GBG-60	1	Comm. End Plate
GBG-1031	1	Brush Holder Plate Assy.
GBG-18R	4	Brush Holder
GBG-36	4	Brush Spring
GBG-40	4	Brush Holder Terminal
GBG-85	4	Brush Holder Stud
GBG-1037	4	Brush Arm
8X-173	4	#10-32 Hex. Nut
X-196	4	#10 Lock Washer
GCH-1012‡	4	Brush - Main
GK-151	1	[illegible] Washer
X-195	6	[illegible]

Comm. End Plate Assembly (Con't)

Part No.	No. Used	Name of Part 1 2 3 4 5
8X-208	1	#10-32x9/16 Hex. Hd. Sc.
8X-305	4	#8-32x1/4 Rd. Hd. Sc.
8X-361	2	1/4 Plain Washer
X-1270	1	#10 Skpf. Washer
8X-118	6	#10-32x3/4 Fill. Hd. Screw
X-195	3	#8 Lock Washer
X-196	10	#10 Lock Washer
X-199	1	1/4 Lock Washer
8X-305	3	#8-32x1/4 Rd. Hd. Screw
X-394	1	Screw-In Sleeve Oiler
X-440	1	BALL BEARING - Shielded
8X-870	4	#10-32x5/16 Fill. Hd. Sc.

Armature Assembly & Parts Used With

GBG-49	2	Armature Shaft Spacer
GCH-2030F	1	ARMATURE ASSEMBLY
*	1	Drive Pulley
X-263	1	#8 Woodruff Key
X-1134	1	5/8 Plain Washer
X-1177	1	5/8 Skpf. Washer
X-1178	1	5/8-18 Hex. Nut

Drive End Head Assembly & Parts Used With

GBG-1065	1	Drive End Head Assembly
GBG-50	1	Gasket
GBG-57	1	Felt Washer Retainer
GBG-58	1	Felt Washer
GBG-65	1	Drive End Head
GBG-1056	1	Bearing Retainer Assy.
GBG-56	1	Bearing Retainer
GBG-57	1	Felt Washer Retainer
GBG-58	1	Felt Washer
8X-119	4	#10-32x1/2 Fill. Hd. Sc.
X-196	4	#10 Lock Washer
X-444	1	BALL BRG.- S.A.E. #305
8X-118	6	#10-32x3/4 Fill. Hd. Screw
X-394	1	Screw-In Sleeve Oiler
X-544	6	#10 Lock Washer

Miscellaneous Parts

GBG-24	1	Head Band
8X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut 1 2 3 4 5

(Issued 9-30-41)

Assembly No.	Drive Pulley	Regulator
GCH-4610A	SP-217	VRC-4101B
GCH-4610B	SP-464	VRC-4101A

* See table following parts list for part number applying to assembly wanted.

‡ SERVICE BRUSH SET GCH-2012S.

NOTE:- * CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GCH-4610A	Diamond T
GCH-4610B	Brockway

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GCH-2050)	1	Frame & Field Assy.
GBF-55	1	Washer, Ins., Field Term.
GBG-22	1	Post, Field Term., #10-32
GBG-23	1	Post, Arm. Term., 5/16-24
GBG-28	1	Insulation, Term. Post Inner
GBG-30	1	Insulation, Field Connection
GBG-38	8	Screw, Pole Piece
GBG-62	1	Insulation, Term. Post
GBG-102	1	Lead Assy.
GBG-121	1	Terminal, 2 Wire
X-1425	2	Terminal
GCH-1005A	1	COIL ASSY., FIELD, COMP.
GCH-1007A	1	Coil Assy., Field, U.R.
X-1425	1	Terminal
GCH-1008	1	Coil, Field, L.L.
GCH-1009	1	Coil, Field, L.R.
GCH-1010A	1	Coil Assy., Field, U.L.
GBG-26	1	Terminal
GCY-27	1	Bushing, Ins., Field Term.
GCY-28	1	Bushing, Ins., Arm. Term.
MU-36	1	Washer, Ins., Arm. Term.
MU-37	1	Washer, Plain
8X-183A	1	Washer, Plain, #10
X-196	2	Lockwasher, #10
X-1014	2	Lockwasher, 5/16
8X-1376	2	Nut, Hex., 5/16-24
8X-1377	2	Nut, Hex., #10-32
12X-196	1	Lockwasher, Ground Sc., #10
8X-321	1	Screw, Ground, #10-32x5/16

Comm. End Head Assembly & Parts Used With

DA-60	1	Screw, Bearing Retaining
GBG-46	1	Washer, Spring
GBG-47	1	Washer, Felt
GBG-48	2	Retainer, Felt Washer
GBG-63	1	Cover, Comm. End
GBG-64	1	Gasket, Comm. End Cover
GBG-66	1	Washer, Bearing Retaining
GCH-2060A	1	Head Assy., Comm. End
DA-38	2	Washer, Spring
DE-85	1	Washer, Plain
GBG-41	2	Screw, Brush Plate
GBG-51	2	Washer, Plain
GBG-60A	1	Head
GBG-1031	1	Plate Assy., Brush
GBG-18R	4	Holder, Brush
GBG-36	4	Spring, Brush
GBG-40	4	Terminal, Brush Holder
GBG-85	4	Stud, Brush Holder
GBG-1037	4	Arm, Brush
8X-173	4	Nut, Brush Holder Stud
X-196	4	Washer, Lock, Br. Holder Stud #10
GCH-1012†	4	Brush
GK-151	1	Washer, Plain
		1 2 3 4 5

Comm. End Head Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
X-195	4	Lockwasher, #8
8X-208	1	Screw, Hex. Hd., #10-32x9/16
8X-305	4	Washer, Rd. Hd. #8-32x1/4
8X-361	2	Washer, Plain, 1/4
X-1270	1	Washer, Skpf., #10
8X-118	6	Screw, C.E. Head, #10-32x3/4
8X-119	4	Screw, Cover, #10-32x1/2
12X-195	3	Lockwasher, Lead Screw, #8
12X-196	4	Lockwasher, Cover Screw, #10
12X-199	1	Lockwasher, Brg. Retaining Screw
8X-305	3	Screw, Lead Connection
X-394	1	Oiler, Sleeve, 1/2-20
X-440	1	BEARING, BALL, SHIELDED

Armature Assembly & Parts Used With

GBG-49	2	Spacer, Armature Shaft
GCH-2058F	1	ARMATURE
*	1	Pulley, Drive
X-1134	1	Washer, Shaft, Plain 5/8
X-1177	1	Washer, Shaft, Skpf. 5/8
X-1178	1	Nut, Shaft, Hex. 5/8-18

Drive End Head Assembly & Parts Used With

GBG-1065A	1	Head Assy., Drive End
GBG-50	1	Gasket, Bearing Retainer
GBG-57	1	Retainer, Felt Washer, Outer
GBG-58	1	Washer, Felt, Outer
GBG-65A	1	Head
GBG-1056	1	Retainer Assy., Bearing
GBG-56	1	Retainer, Bearing
GBG-57	1	Retainer, Felt Washer
GBG-58	1	Washer, Felt
8X-119	4	Screw, Brg. Retainer, Fil. Hd., #10-32x1/2
X-196	4	Lockwasher, Retainer Screw
X-444	1	BEARING, BALL, S.A.E. #305
8X-118	6	Screw, D.E. Head, #10-32x3/4
12X-196	6	Lockwasher, D.E. Head Sc., #10
X-394	1	Oiler, Sleeve, 1/2-20
12X-544	6	Lockwasher, D.E. Head Sc., #10
		1 2 3 4 5

(See Reverse Side)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Miscellaneous Parts

Part No.	No. Used	Name of Part 1 2 3 4 5
GBG-24	1	Band, Cover
X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

1 2 3 4 5

* See table following parts list for part number applying to assembly wanted.

† BRUSH SET, Service GCH-2012S.

NOTE:- VRC-4101A Current-Voltage Regulator is used with but is not a part of this generator.

Assembly No.	Pulley
GCH-4612A	SP-714
GCH-4612B-1	SP-754

Unit	Application
GCH-4612A,B-1	Brockway

(Issued 2-19-47)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GCH-2046)	1	Frame & Field Assy.
GBF-55	1	Washer, Ins., Field Term.
GBG-22	1	Stud, Field Term., #10-32
GBG-23	1	Stud, Arm. Term., 5/16-24
GBG-27	1	Lead Assy.
GBG-121	1	Terminal, 2 Wire
X-1425	2	Terminal
GBG-28	1	Insulation, Term. Stud, Inner
GBG-30	1	Insulation, Field Connection
GBG-38	8	Screw, Pole Shoe
GBG-62	1	Insulation, Term. Stud, Inner
GCH-1005	1	COIL ASSY., FIELD, COMP.
GCH-1007	1	Coil Assy., Field, U.R.
GBG-26	1	Terminal
GCH-1008	1	Coil, Field, L.L.
GCH-1009	1	Coil, Field, L.R.
GCH-1010	1	Coil Assy., Field, U.L.
X-1425	1	Terminal
GCY-27	1	Bushing, Ins., Field Term.
GCY-28	1	Bushing, Ins., Arm. Term.
MU-36	1	Washer, Ins., Arm. Term.
MU-37	1	Washer, Plain, Arm. Term., 5/16
8X-183A	1	Washer, Plain, Field Term., #10
X-196	2	Washer, Lock, Field Term., #10
X-1014	2	Washer, Lock, Arm. Term., 5/16
8X-1376	2	Nut, Arm. Term., Hex., 5/16-24
8X-1377	2	Nut, Field Term., Hex., #10-32
X-196	1	Lockwasher, Ground Screw, #10
8X-321	1	Screw, Ground, Rd. Hd. #10-32x 5/16

Comm. End Head Assembly & Parts Used With

DA-60	1	Screw, Bearing Retaining
GBG-46	1	Washer, Spring
GBG-47	1	Washer, Felt
GBG-48	2	Retainer, Felt Washer
GBG-63	1	Cover, Comm. End
GBG-64	1	Gasket, Comm. End Cover
GBG-66	1	Washer, Bearing Retaining
GCH-2060B	1	Head Assy., Comm. End
DA-38	2	Washer, Spring, Plate Attaching Screw
DE-85	1	Washer, Plain, Plate Lock Screw
GBG-41	2	Screw, Attaching, Brush Plate
GBG-51	2	Washer, Plain, Plate Attaching Screw
		1 2 3 4 5

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBG-60C	1	Head, Comm. End
GBG-1031	1	Plate Assy., Brush
GBG-18R	4	Holder, Brush
GBG-36	4	Spring, Brush
GBG-40	4	Term. Brush Holder
GBG-85	4	Stud, Brush Holder
GBG-1037	4	Arm, Brush
8X-173	4	Nut, Brush Holder Stud, Hex., #10-32
X-196	4	Washer, Lock, Brush Holder Stud, #10
GCH-1012†	4	Brush
GK-151	1	Washer, Plain, Plate Lock Sc.
X-195	4	Washer, Lock, Brush Lead Screw, #8
8X-208	1	Screw, Lock, Br. Plate, Hex. Hd., #10-32x9/16
8X-305	4	Screw, Brush Lead, Rd. Hd., #8-32x1/4
8X-361	2	Washer, Plain, Plate Attaching Screw
X-1270	1	Washer, Skpf., Plate Lock Screw, #10
8X-118	6	Screw, C.E. Hd., Fil. Hd. #10-32x3/4
8X-119	4	Screw, Cover Fil. Hd., #10-32x 1/2
12X-195	3	Lockwasher, Lead Screw #8
12X-196	10	Lockwasher, Cover Screw & C.E. Head Screw #10
12X-199	1	Lockwasher, Brg. Retaining Sc., 1/4
8X-305	3	Screw, Lead Connection, Rd. Hd. #8-32x1/4
X-440	1	BEARING, BALL, SHIELDED, S.A.E. #305
X-489	1	Oiler, Hinge Top, Press in, 1/4

Armature Assembly & Parts Used With

GBG-49	2	Spacer, Armature Shaft
GCH-2058F	1	ARMATURE
SP-752	1	Pulley, Drive
X-1134	1	Washer, Shaft, Plain 5/8
X-1177	1	Washer, Shaft, Skpf. 5/8
X-1178	1	Nut, Shaft, Hex. 5/8-18

Drive End Head Assembly & Parts Used With

GDJ-1119	1	Head Assy., Drive End
GBG-50	1	Gasket, Bearing Retainer
GBG-57	1	Retainer, Felt Washer
GBG-58	1	Washer, Felt
GBG-1056	1	Retainer Assy., Bearing
GBG-56	1	Retainer, Bearing
GBG-57	1	Retainer, Felt Washer
		1 2 3 4 5

(See Reverse Side)

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Drive End Head Assembly (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBG-58	1	Washer, Felt
GDJ-119	1	Head, Drive End
8X-119	4	Screw, Bearing Retainer, Fil. Hd., #10-32x1/2
X-196	4	Washer, Lock, Retainer Sc., #10
X-1699	1	BEARING, BALL, S.A.E. #305
GT-124	1	Wick, Felt
8X-118	6	Screw, D.E. Head, Fil. Hd. #10-32x3/4
X-489	1	Oiler, Hinge Top, Press in, 1/4
12X-544	6	Lockwasher, D.E. Head Sc., #10
		1 2 3 4 5

Miscellaneous Parts

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBG-24C	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd., #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32
		1 2 3 4 5

† BRUSH SET, Service GCH-2012S.

NOTE- VRC-4101B CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

Unit	Application
GCH-4613A-1	Brockway

(Issued 2-19-47)

Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GCJ-2001)	1	Frame & Field Assy.
GAA-32	1	Term. Post Top Insulation
GAL-29	2	Pole Piece
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-40	1	Lead Assy.
GAA-27	1	Terminal Post
X-847	1	Terminal
GBW-58	1	Terminal Post
GBW-66	1	Term. Post Bottom Ins.
GBW-67	1	Term. Post Bottom Ins.
GCJ-1005	1	FIELD COIL ASSY.-COMP.
GCJ-1007	1	Field Coil Assy.-Left
X-976	1	Terminal
GCJ-1008	1	Field Coil - Right
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
GK-38B	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
GK-20A	2	Frame Screw
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	2	#10 Lock Washer
12X-199	2	1/4 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assy. & Parts Used With

(GCJ-2002)	1	Comm. End Plate Assy.
GAR-73	1	Oil Wick
GAR-98A	1	Wick Cover
GBW-69	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GBW-1068B	1	Comm. End Cap Cover
GCJ-51	1	3rd Brush Plate Retaining Spring
GCJ-1002A	1	Comm. End Plate Part Assy.
GBF-79	1	ABSORBENT BRONZE BRG.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
GCJ-1012‡	2	Brush - Main
GCJ-1013‡	1	Brush - Third
GCJ-1014	1	3rd Brush Plate Assy.
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
12X-195	5	#8 Lock Washer
8X-311	1	#10-32x3/8 Rd. Hd. Screw
8X-888	4	#8-32x5/16 Fill. Hd. Sc.
8X-1507	1	#8-32x1/4 Bdg. Hd. Screw
X-195	2	#8 Lock Washer
8X-1507	2	#8-32x1/4 Bdg. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GCJ-2006F	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GR-32	1	Felt Washer Retainer
SP-1225	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assy. & Parts Used With

GBJ-1003C	1	Drive End Head Assy.
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GBJ-3C	1	Drive End Head
GG-164	2	Felt Washer
6X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	BALL BRG. - S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
6X-1003	3	#10-32x7/8 Rd. Hd. Screw

Miscellaneous Parts

GBW-243	1	Head Band
8X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 3-16-39)

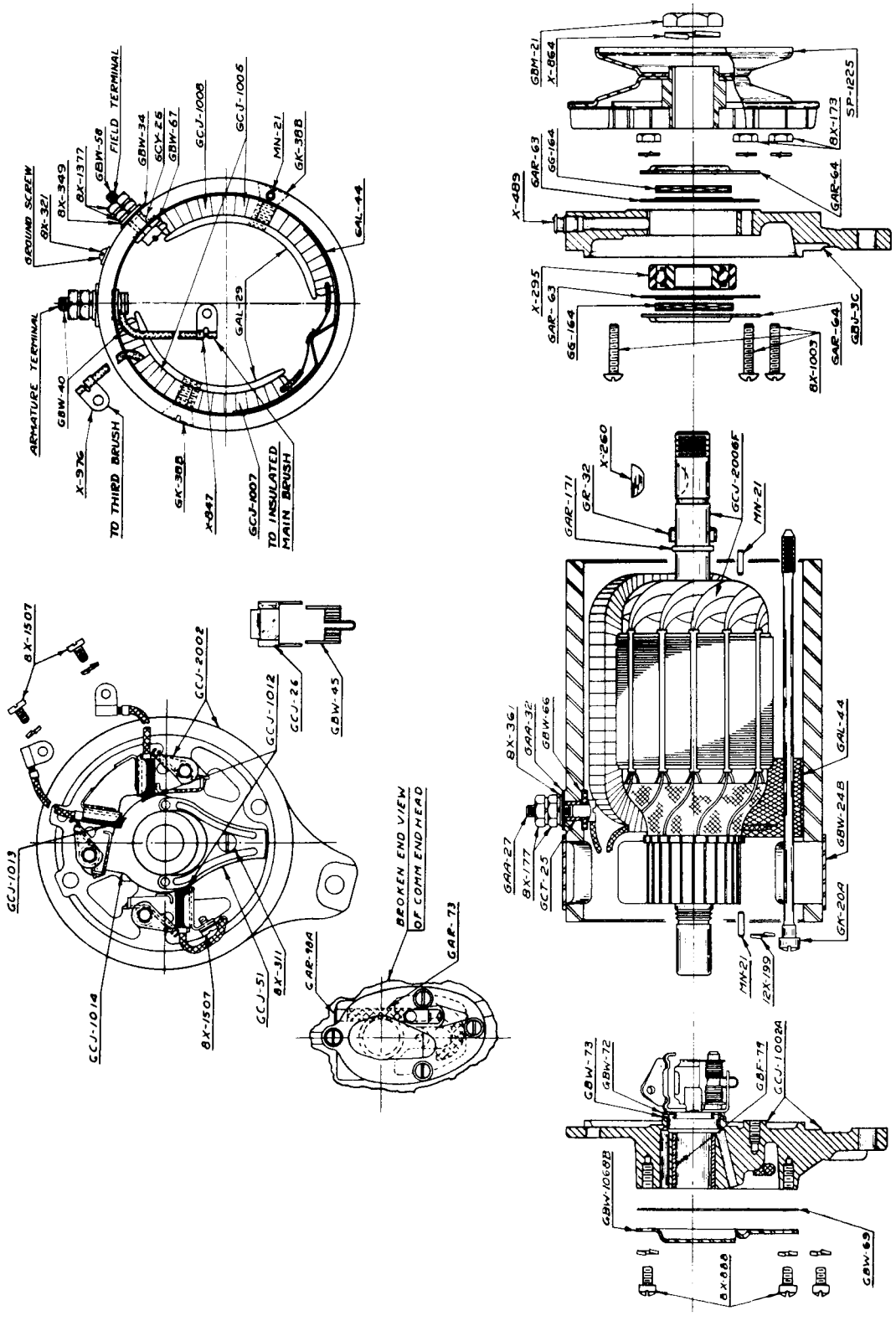
NOTE:- VRD-4001A Voltage Regulator is used with but is not a part of this generator.

‡ SERVICE BRUSH SET GCJ-2012S.

UNIT	APPLICATION
GCJ-4801A	Packard

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCJ-4801A GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GCJ-2001)	1	Frame & Field Assy.
GAA-30	1	Term. Post Bottom Ins.
GAA-32	1	Term. Post Top Ins.
GAL-29	2	Pole Piece
GAL-44	1	Field Connection Ins.
GBW-33	1	Terminal Post Ins.
GBW-34	1	Insulating Washer
GBW-40	1	Lead Assy.
GAA-27	1	Terminal Post
X-847	1	Terminal
GBW-58	1	Terminal Post
GCJ-1005	1	Field Coil Assy. - Comp.
GCJ-1007	1	Field Coil Assy. - Left
X-976	1	Terminal
GCJ-1008	1	Field Coil - Right
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
GK-38B	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
GK-20A	2	Frame Screw
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	2	#10 Lock Washer
12X-199	2	1/4 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

(GCJ-2002)	1	Comm. End Plate Assy.
GAR-73	1	Oil Wick
GAR-98A	1	Wick Cover
GBW-30	1	Comm. End Cap Cover
GBW-31	1	Gasket
GBW-32	1	Oil Guard
GCJ-51	1	3rd Brush Plate Retain'g Spring
GCJ-1002A	1	Comm. End Plate Part Assy.
GBF-79	1	Absorbent Bronze Brg.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
GCJ-1012‡	2	Brush - Main
GCJ-1013‡	1	Brush - Third
GCJ-1014	1	3rd Brush Plate Assy.
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
12X-195	5	#8 Lock Washer
8X-311	1	#10-32x3/8 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
8X-888	4	#8-32x5/16 Fill. Hd. Sc.
8X-1507	1	#8-32x1/4 Bdg. Hd. Screw
X-195	2	#8 Lock Washer
8X-1507	2	#8-32x1/4 Bdg. Hd. Screw
		1 2 3 4 5

* See table following parts list for part number applying to assembly wanted.

Armature Assembly & Parts Used With

Part No.	No Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GCJ-2006F	1	Armature Assy.
GAR-171	1	Snap Ring
GR-32	1	Felt Washer Retainer
*	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GBJ-1003C	1	Drive End Head Assy.
GAR-63	2	Felt Guard
GAR-64	2	Brg. Retainer
GBJ-3C	1	D.E. Head
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Screw

Miscellaneous Parts

GBW-24B	1	Head Band
8X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 7-16-37)

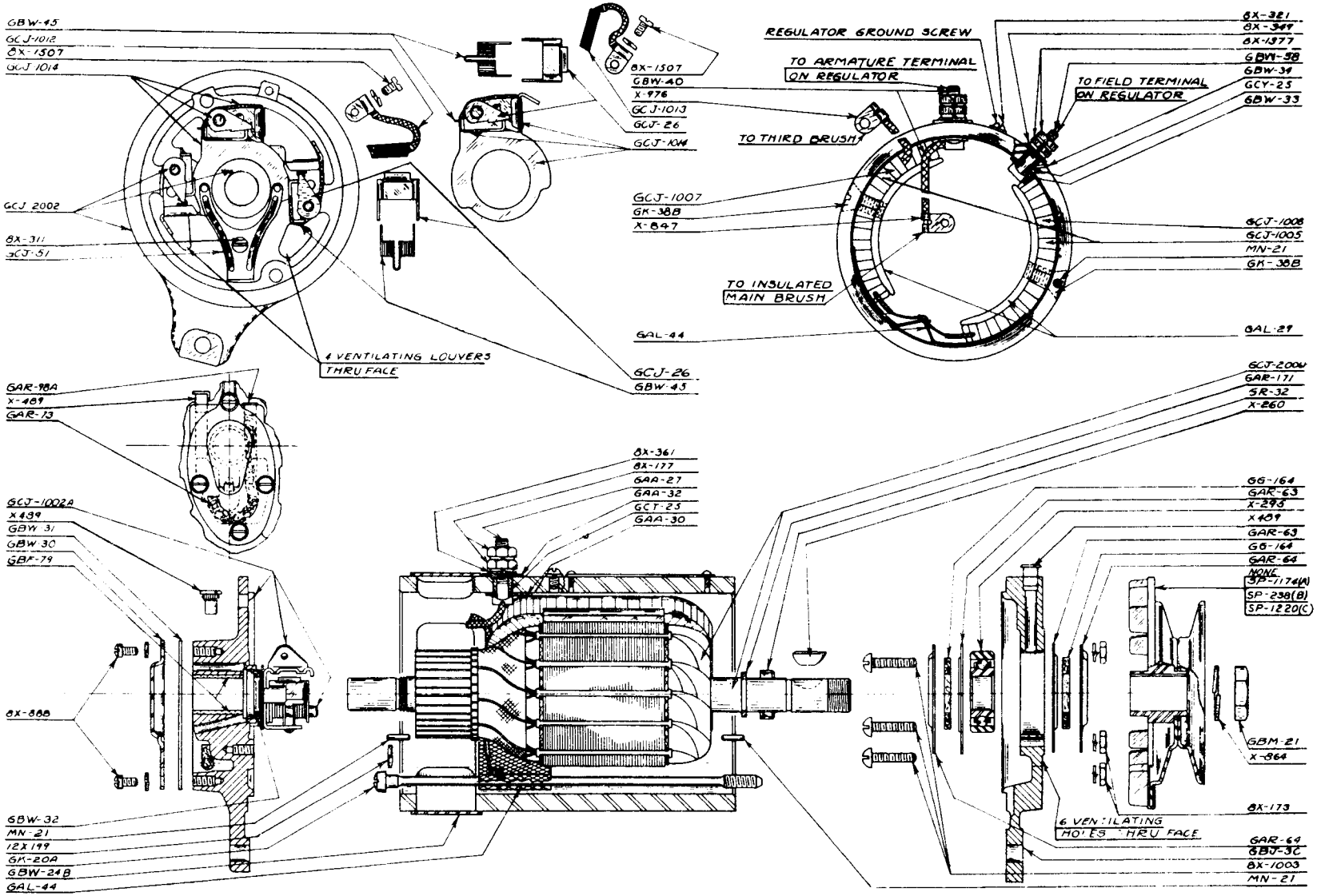
Assembly No.	Drive Pulley
GCJ-4802	None
GCJ-4802A	SP-1174
GCJ-4802B	SP-238
GCJ-4802C	SP-1220

NOTE:- VRD-4002A Voltage Regulator is used with but not a part of this generator.

‡ Service Brush Set GCJ-2012S.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCJ-4802,A,B,C GENERATOR ILLUSTRATION



Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GCJ-2001A)	1	Frame & Field Assembly
GAA-32	1	Terminal Post Top Ins.
GAL-29	2	Pole Piece
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-40	1	Lead Assembly
GAA-27	1	Terminal Post
X-847	1	Terminal
GBW-58	1	Terminal Post
GBW-66	1	Terminal Post Bottom Ins.
GBW-67	1	Terminal Post Bottom Ins.
GCJ-1005	1	FIELD COIL ASSY.- COMP.
GCJ-1007	1	Field Coil Assy.-Left
X-976	1	Terminal
GCJ-1008	1	Field Coil - Right
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex.Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
GK-20	2	Frame Screw
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	3	#10 Lock Washer
X-199	2	1/4 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
X-966	1	Terminal
X-999	2	Terminal
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assy. & Parts Used With

(GCJ-2002A)	1	Comm. End Plate Assembly
GAR-73	1	Oil Wick
GAR-98A	1	Wick Cover
GBW-30B	1	Comm. End Cap Cover
GBW-31	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GCJ-51	1	3rd Brush Plate Retaining Spring
GCJ-1002C	1	C.E. Plate Part Assy.
GBF-79	1	ABSORBENT BRONZE BRG.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
GCJ-1012‡	2	Brush - Main
GCJ-1013‡	1	Brush - Third
GCJ-1014	1	3rd Brush Plate Assy.
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
X-195	5	#8 Lock Washer
8X-311	1	#10-32x3/8 Rd. Hd. Sc.
X-489	1	1/4 Oiler - Press in Type
8X-888	4	#8-32x5/16 Fill. Hd. Sc.
8X-1507	1	#8-32x1/4 Bdg. Hd. Screw
		1 2 3 4 5

Comm. End Plate Assembly (Con't)

Part No.	No. Used	Name of Part
		1 2 3 4 5
X-195	2	#8 Lock Washer
8X-1507	2	#8-32x1/4 Bdg. Hd. Screw

Armature Assembly & Parts Used With

GBM-21	1	Armature Shaft Nut
GCJ-2006F	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GR-32	1	Felt Washer Retainer
SP-1178	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assy. & Parts Used With

GBJ-1003	1	Drive End Head Assembly
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GBJ-3	1	Drive End Head
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex.Nut
X-196	3	#10 Lock Washer
X-295	1	BALL BRG.- S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Screw

Miscellaneous Parts

GBW-24	1	Head Band
8X-714	1	#10-32x1 1/2 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 3-28-40)

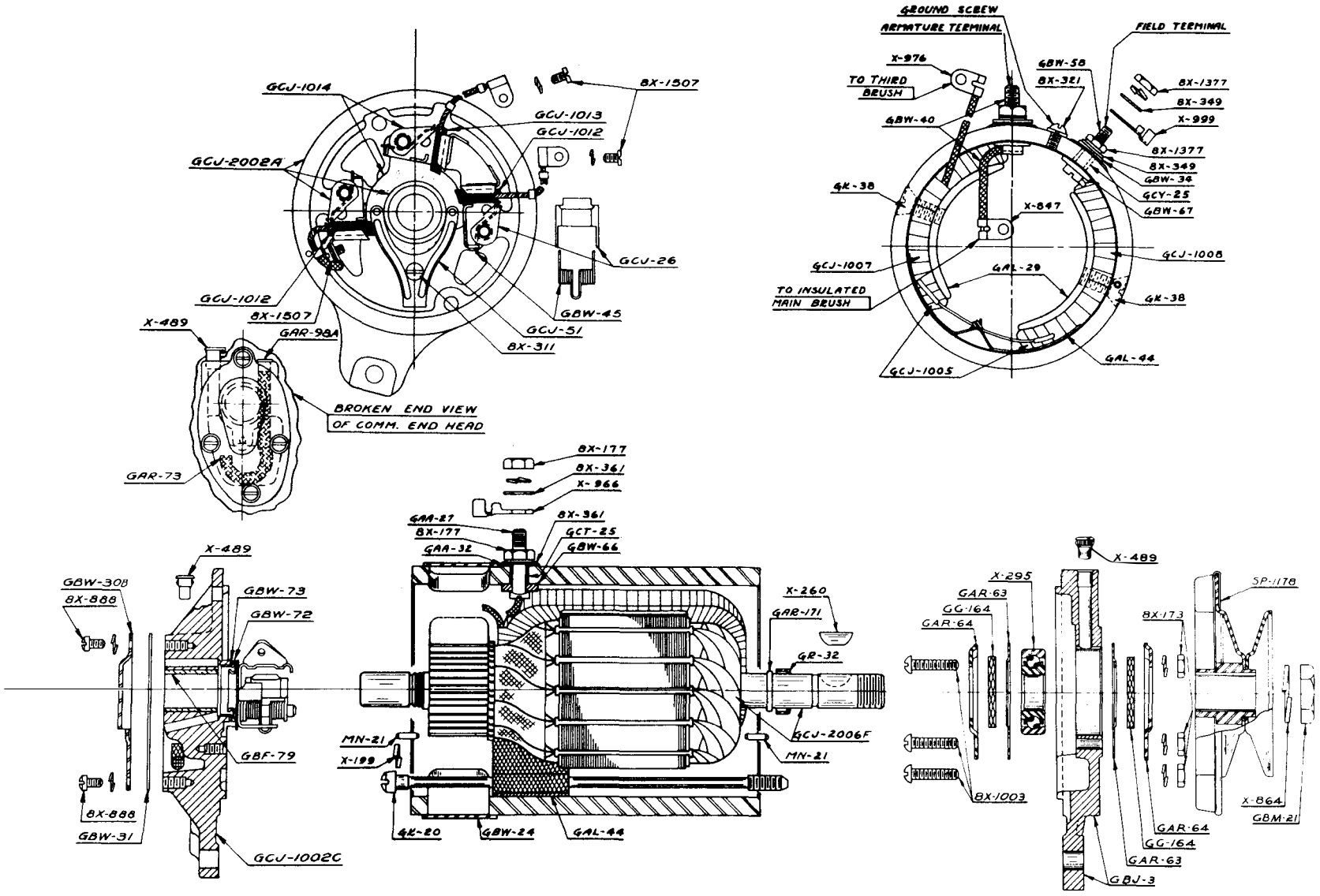
NOTE:- VRR-4001B VOLTAGE REGULATOR is used with but is not part of this generator.

‡ Service BRUSH SET GDF-2012S.

Unit	Application
GCJ-4803A	Hudson, Terraplane

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCJ-4803A GENERATOR ILLUSTRATION



Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCJ-33	1	Grounding Cup
(GCJ-2001B)	1	Frame & Field Assembly
GAA-32	1	Terminal Post Top Ins.
GAL-29	2	Pole Piece
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-40	1	Lead Assembly
GAA-27	1	Terminal Post
X-847	1	Terminal
GBW-58	1	Terminal Post
GBW-66	1	Terminal Post Bottom Ins.
GBW-67	1	Terminal Post Bottom Ins.
GCJ-1005	1	FIELD COIL ASSY.- COMP.
GCJ-1007	1	Field Coil Assy.-Left
X-976	1	Terminal
GCJ-1008	1	Field Coil - Right
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
GK-20	2	Frame Screw
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	2	#10 Lock Washer
X-199	2	1/4 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
8X-361	1	1/4 Plain Washer
X-966	1	Terminal
X-999	1	Terminal
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assy. & Parts Used With

(GCJ-2002A)	1	Comm. End Plate Assembly
GAR-73	1	Oil Wick
GAR-98A	1	Wick Cover
GBW-30B	1	Comm. End Cap Cover
GBW-31	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GCJ-51	1	3rd Brush Plate Retaining Spring
GCJ-1002C	1	C. E. Plate Part Assy.
GBF-79	1	ABSORBENT BRONZE BRG.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
GCJ-1012‡	2	Brush - Main
GCJ-1013‡	1	Brush - Third
GCJ-1014	1	3rd Brush Plate Assy.
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
X-195	5	#8 Lock Washer
8X-311	1	#10-32x3/8 Rd. Hd. Sc.
X-489	1	1/4 Oiler - Press in Type
8X-888	4	#8-32x5/16 Fill. Hd. Sc.
8X-1507	1	#8-32x1/4 Bdg. Hd. Screw
		1 2 3 4 5

Comm. End Plate Assembly (Con't)

Part No.	No. Used	Name of Part
		1 2 3 4 5
X-195	2	#8 Lock Washer
8X-1507	2	#8-32x1/4 Bdg. Hd. Screw

Armature Assembly & Parts Used With

GBM-21	1	Armature Shaft Nut
GCJ-2006F	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GR-32	1	Felt Washer Retainer
SP-1178	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assy. & Parts Used With

GBJ-1003	1	Drive End Head Assembly
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GBJ-3	1	Drive End Head
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	B LL BRG.- S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Screw

Miscellaneous Parts

GBW-24	1	Head Band
8X-714	1	#10-32x1 1/2 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 3-29-40)

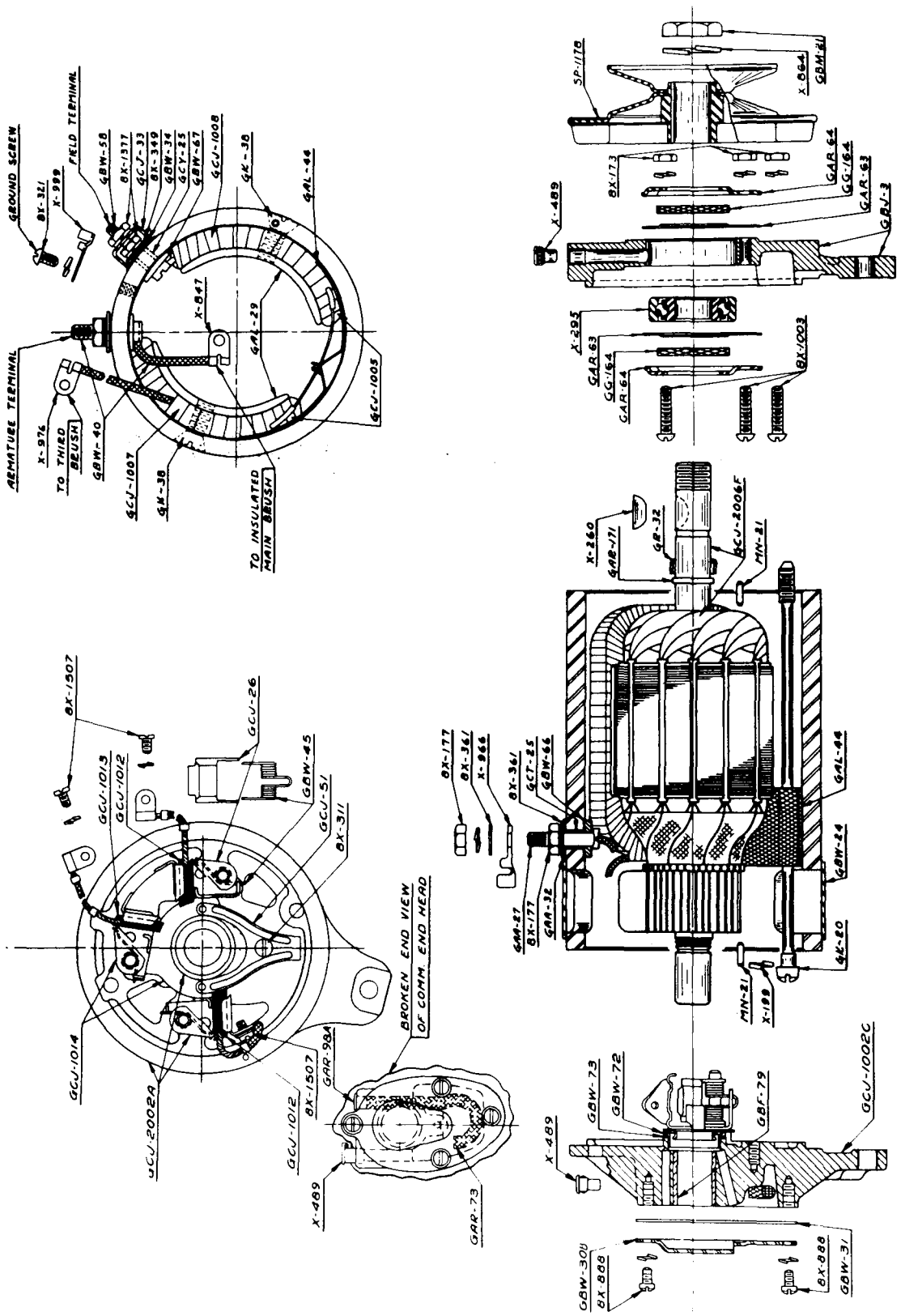
NOTE:- CBA-4003 CIRCUIT BREAKER is used with but is not part of this generator.

‡ Service BRUSH SET GDF-2012S.

Unit	Application
GCJ-4804A	Terraplane

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCJ-4804A GENERATOR ILLUSTRATION



Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GCJ-2001A)	1	Frame & Field Assembly
GAA-32	1	Terminal Post Top Ins.
GAL-29	2	Pole Piece
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-40	1	Lead Assembly
GAA-27	1	Terminal Post
X-847	1	Terminal
GBW-58	1	Terminal Post
GBW-66	1	Term. Post Bottom Ins.
GBW-67	1	Term. Post Bottom Ins.
GCJ-1005	1	FIELD COIL ASSY.- Comp.
GCJ-1007	1	Field Coil Assy.-Left
X-976	1	Terminal
GCJ-1008	1	Field Coil - Right
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
GK-20	2	Frame Screw
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	2	#10 Lock Washer
X-199	2	1/4 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
5X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assy. & Parts Used With

(GCJ-2002C)	1	Comm. End Plate Assy.
GAR-73	1	Oil Wick
GAR-98	1	Wick Cover
GBW-69	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GBW-1068B	1	Comm. End Cap Cover
GCJ-51	1	3rd Br. Plate Retaining Spring
GCJ-1002E	1	C. E. Plate Part Assy.
GBF-79	1	ABSORBENT BRONZE BRG.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
GCJ-1012‡	2	Brush - Main
GCJ-1013‡	1	Brush - Third
GCJ-1014	1	3rd Brush Plate Assy.
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
X-195	5	#8 Lock Washer
8X-311	1	#10-32x3/8 Rd. Hd. Screw
8X-888	4	#8-32x5/16 Fill. Hd. Sc.
8X-1507	1	#8-32x1/4 Bdg. Hd. Screw
X-195	2	#8 Lock Washer
8X-1507	2	#8-32x1/4 Bdg. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GCJ-2006F	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GR-32	1	Felt Washer Retainer
*	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assy. & Parts Used With

GBJ-1003	1	Drive End Head Assembly
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GBJ-3	1	D. E. Head
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	BALL BRG. - S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Screw

Miscellaneous Parts

GBW-24	1	Head Band Assembly
X-714	1	#10-32x1 1/2 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 8-21-39)

Assembly No.	Drive Pulley
GCJ-4805A	SP-149
GCJ-4805B	SP-254

* See table following parts list for part number applying to assembly wanted.

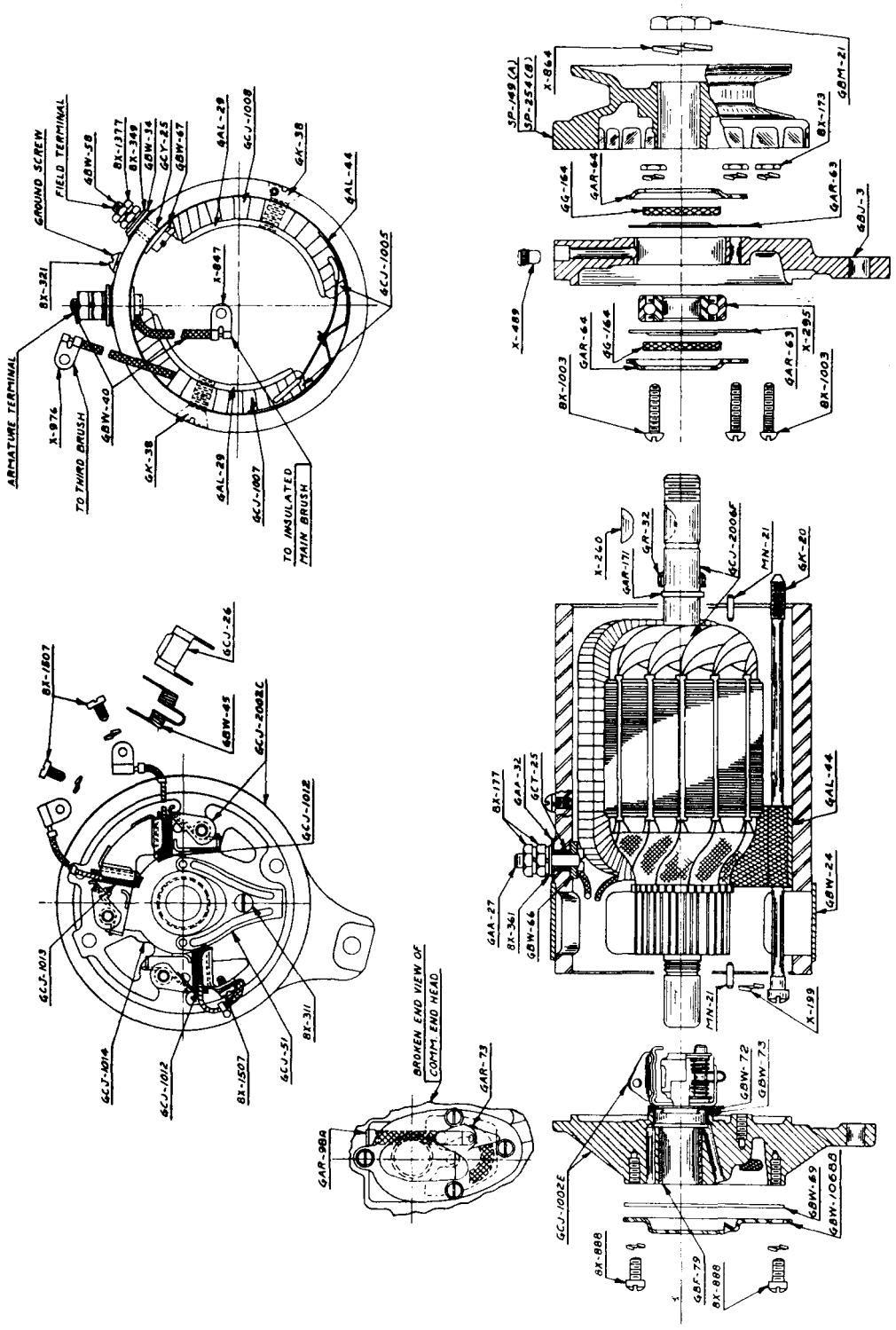
‡ Service BRUSH SET GDF-2012S.

NOTE:- VRD-4004A VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GCJ-4805A,B	Reo

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCJ-4805A,B GENERATOR ILLUSTRATION



Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GCJ-2001)	1	Frame & Field Assy.
GAA-32	1	Terminal Post Top Ins.
GAL-29	2	Pole Piece
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-40	1	Lead Assy.
GAA-27	1	Terminal Post
X-847	1	Terminal
GBW-58	1	Terminal Post
GBW-66	1	Terminal Stud Ins.
GBW-67	1	Terminal Stud Ins.
GCJ-1005	1	FIELD COIL ASSY. - COMP.
GCJ-1007	1	Field Coil Assy. - Left
X-976	1	Terminal
GCJ-1008	1	Field Coil - Right
GCT-25	1	Bushing
GCY-25	1	Bushing
GK-38B	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
GK-20A	2	Frame Screw
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	2	#10 Lock Washer
12X-199	2	1/4 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assy. & Parts Used With

(GCJ-2002)	1	Comm. End Plate Assy.
GAR-73	1	Oil Wick
GAR-98A	1	Wick Cover
GBW-69	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GBW-1068B	1	Comm. End Cap Cover
GCJ-51	1	3rd Brush Plate Rtg. Spr.
GCJ-1002A	1	Comm. End Plate Part Assy.
GBF-79	1	ABSORBENT BRONZE BRG.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
GCJ-1012‡	2	Brush - Main
GCJ-1013‡	1	Brush - Third
GCJ-1014	1	3rd Brush Plate Assy.
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
		1 2 3 4 5

Comm. End Plate Assy. (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
12X-195	5	#8 Lock Washer
8X-311	1	#10-32x3/8 Rd. Hd. Screw
8X-888	4	#8-32x5/16 Fill. Hd. Screw
8X-1507	1	#8-32x1/4 Bdg. Hd. Screw
X-195	2	#8 Lock Washer
8X-1507	2	#8-32x1/4 Bdg. Hd. Screw

Armature Assy. & Parts Used With

GBM-21	1	Armature Shaft Nut
GCJ-2006	1	ARMATURE ASSY.
GAR-171	1	Snap Ring
GR-32	1	Felt Washer Retainer
SP-1296	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assy. & Parts Used With

GBJ-1065	1	Drive End Head Assy.
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GBJ-65	1	D.E. Head
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	BALL BRG. - S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Screw

Miscellaneous Parts

GBW-24B	1	Head Band
8X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 3-16-39)

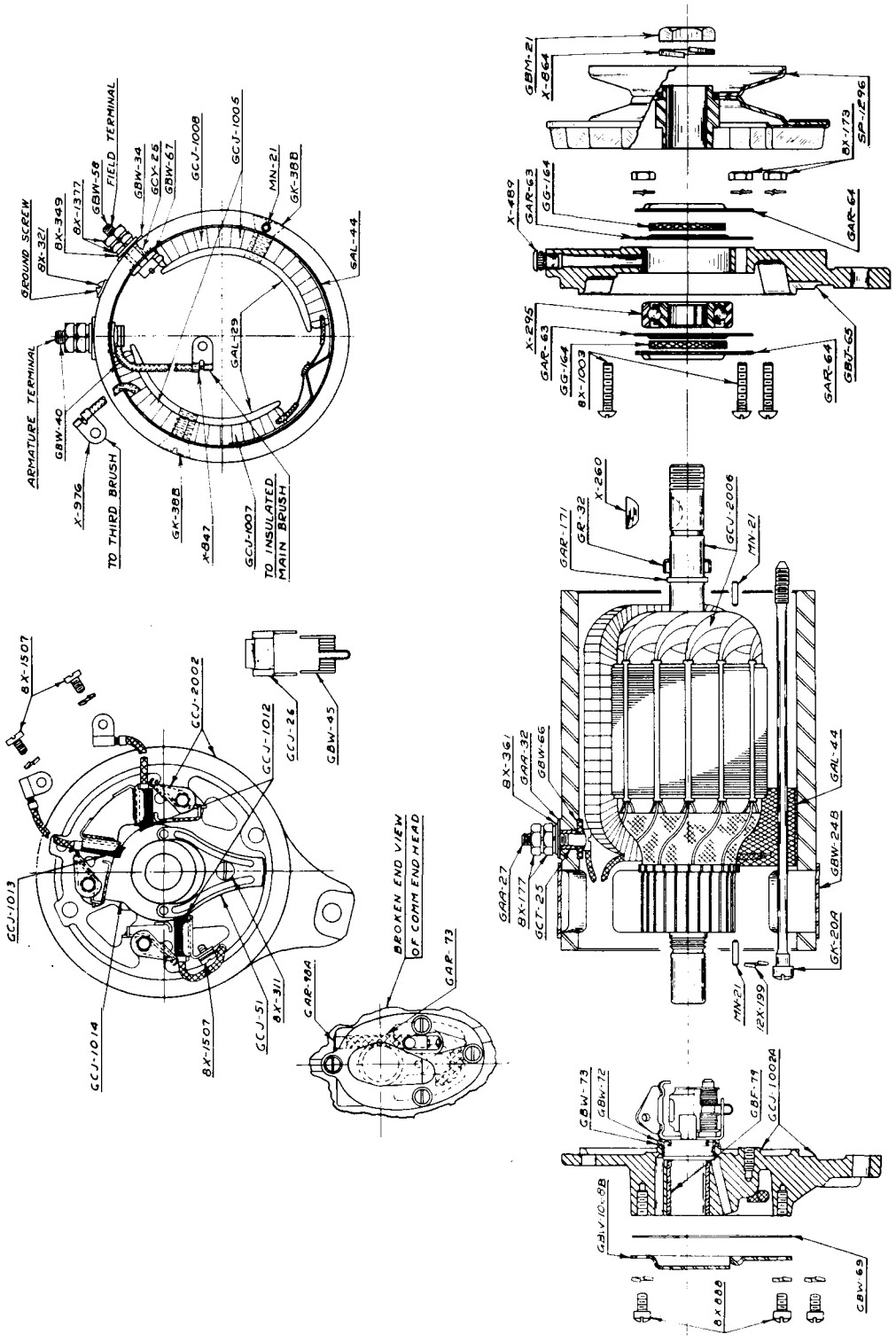
‡ SERVICE BRUSH SET GCJ-2012S.

NOTE:- VRD-4001B Voltage Regulator is used with but is not a part of this generator.

UNIT	APPLICATION
GCJ-4807A	Packard

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCJ-4807A GENERATOR ILLUSTRATION



Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GCJ-2065)	1	Frame & Field Assembly
GAA-32	1	Terminal Post Top Ins.
GAL-29	2	Pole Piece
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-40	1	Lead Assembly
GAA-27	1	Terminal Post
X-847	1	Terminal
GBW-66	1	Terminal Post Bottom Ins.
GBW-67	1	Terminal Post Bottom Ins.
GCJ-1005	1	FIELD COIL ASSY.- Comp.
GBW-58	1	Terminal Post
GCJ-1007	1	Field Coil Assy.-Left
X-976	1	Terminal
GCJ-1008	1	Field Coil - Right
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
GK-20	2	Frame Screw
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	2	#10 Lock Washer
X-199	2	1/4 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
5X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assy. & Parts Used With

(GCJ-2060)	1	Comm. End Plate Assembly
GAR-73	1	Oil Wick
GAR-98A	1	Wick Cover
GBF-79	1	ABSORBENT BRONZE BRG.
GBW-69	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GBW-1068B	1	Comm. End Cap Cover
GCJ-1012‡	2	Brush - Main
GCJ-1013‡	1	Brush - Third
GCJ-1058	1	Brush Holder Plate Assy.
GBW-45	3	Brush Spring
GCJ-26	3	Brush Arm
X-195	5	#8 Lock Washer
X-196	3	#10 Lock Washer
8X-311	3	#10-32x3/8 Rd. Hd. Screw
8X-888	4	#8-32x5/16 Fill. Hd. Sc.
8X-1507	1	#8-32x1/4 Bdg. Hd. Screw
X-195	2	#8 Lock Washer
8X-1507	2	#8-32x1/4 Bdg. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GCJ-2006B	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GR-32	1	Felt Washer Retainer
SP-1182	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assy. & Parts Used With

GBJ-1003C	1	Drive End Head Assembly
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GBJ-3C	1	Drive End Head
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	BALL BRG. - S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Screw

Miscellaneous Parts

GBW-24	1	Head Band
X-714	1	#10-32x1 1/2 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 7-31-40)

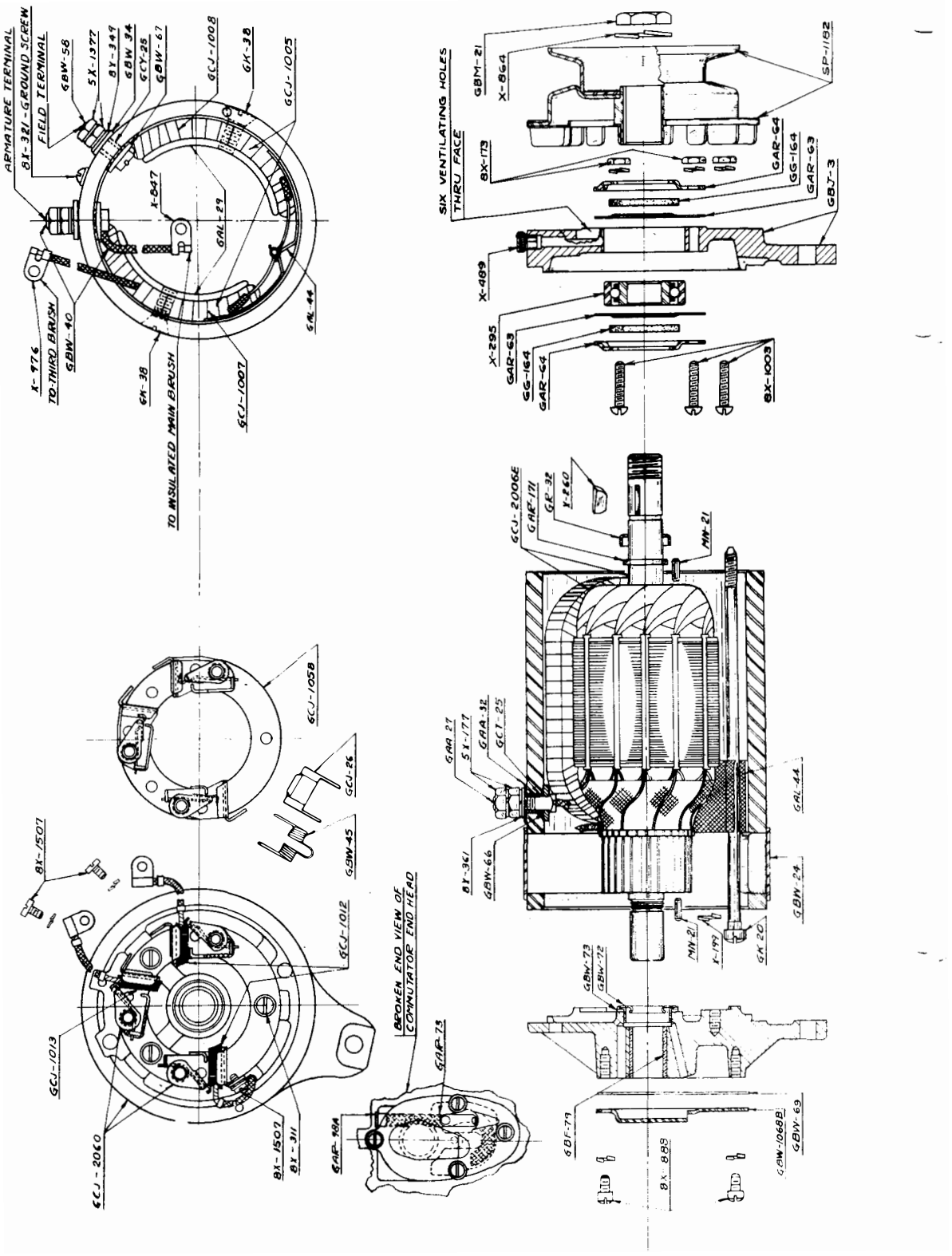
‡ SERVICE BRUSH SET GDF-2012S.

NOTE:- VRD-4006A VOLTAGE REGULATOR is used with but is not part of this generator.

UNIT	APPLICATION
GCJ-4808A	Studebaker

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCJ-4808A GENERATOR ILLUSTRATION



Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GCJ-2001)	1	Frame & Field Assy.
GAA-32	1	Terminal Post Top Ins.
GAL-29	2	Pole Piece
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-40	1	Lead Assy.
GAA-27	1	Terminal Post
X-847	1	Terminal
GBW-58	1	Terminal Post
GBW-66	1	Terminal Post Bottom Ins.
GBW-67	1	Terminal Post Bottom Ins.
GCJ-1005	1	FIELD COIL ASSY. - COMP.
GCJ-1007	1	Field Coil Assy.-Left
X-976	1	Terminal
GCJ-1008	1	Field Coil - Right
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
GK-38B	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
GK-20A	2	Frame Screw
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	2	#10 Lock Washer
12X-199	2	1/4 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assy. & Parts Used With

(GCJ-2002E)	1	Comm. End Plate Assy.
GAR-73	1	Oil Wick
GAR-98A	1	Wick Cover
GBW-30B	1	Comm. End Cap Cover
GBW-31	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GCJ-51	1	3rd Brush Plate Rtg. Spr.
GCJ-1002J	1	Comm. End Plate Part Assy.
GBF-79	1	ABSORBENT BRONZE BRG.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
GCJ-1012‡	2	Brush - Main
GCJ-1013‡	1	Brush - Third
GCJ-1014	1	3rd Brush Plate Assy.
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
		1 2 3 4 5

Comm. End Plate Assy. (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
12X-195	5	#8 Lock Washer
8X-311	1	#10-32x3/8 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
8X-888	4	#8-32x5/16 Fill. Hd. Screw
8X-1507	1	#8-32x1/4 Bdg. Hd. Screw
X-195	2	#8 Lock Washer
8X-1507	2	#8-32x1/4 Bdg. Hd. Screw

Armature Assy. & Parts Used With

GBM-21	1	Armature Shaft Nut
GCJ-2092	1	ARMATURE ASSY.
GAR-171	1	Snap Ring
GCJ-93	1	Clutch
GR-32	1	Felt Washer Retainer
SP-1296	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assy. & Parts Used With

GBJ-1065	1	Drive End Head Assy.
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GBJ-65	1	D.E. Head
GG 164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	BALL BRG. - S.A.E. #203
8X-489	1	1/4 Oiler - Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Screw

Miscellaneous Parts

GBW-24B	1	Head Band Assy.
8X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 3-16-39)

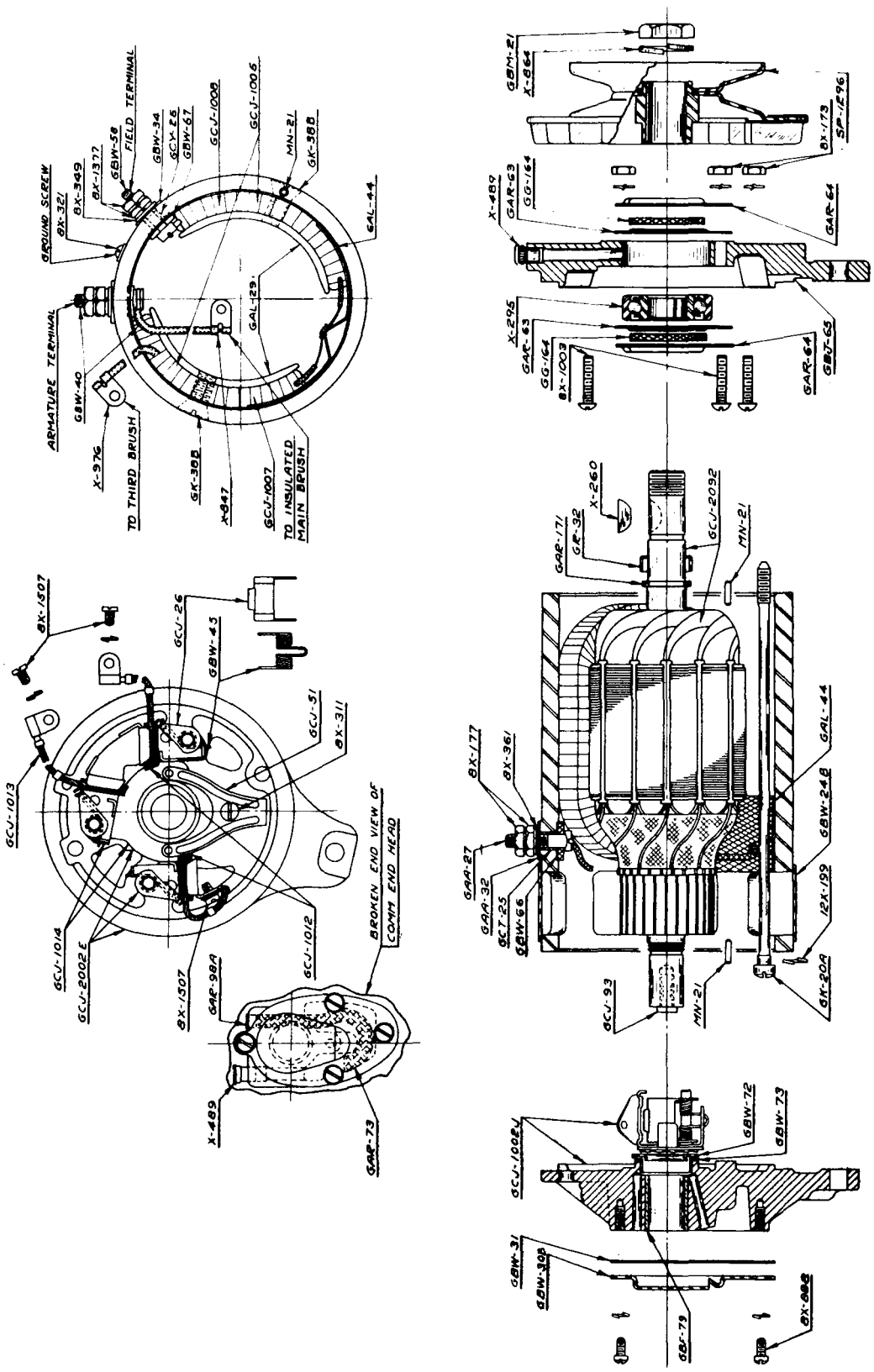
‡ SERVICE BRUSH SET GCJ-2012S.

NOTE:- VRD-4001B Current-Voltage Regulator is used with but is not a part of this generator.

UNIT	APPLICATION
GCJ-4810A	Packard

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCJ-4810A GENERATOR ILLUSTRATION



GCM-4811 GENERATOR PARTS LIST GCM-4811

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAL-225	1	Fuse Cover
(GCM-2039)	1	Frame & Field Assy.
GAL-44	1	Field Connection Ins.
GAL-1005L	1	Field Coil Assy. - Comp.
GAL-1007L	1	Field Coil Assy. - Left
GAL-289	1	C.B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GAL-1008D	1	Field Coil Assy. - Right
X-976	1	Terminal
GAL-1224	1	Fuse Holder
GAR-29	2	Pole Piece
GAR-211	1	Ins. Bushing
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-59	1	#8-32x3/16 Rd. Hd. Sc.
X-195	1	#8 Lock Washer
GT-20	2	Frame Screw
X-199	2	1/4 Lock Washer
X-842	1	Fuse - 5 Ampere

Comm. End Plate Assembly & Parts Used With

DA-39	2	Flat Oil Guard
DA-132	1	Felt Washer
GAB-188	1	Felt Washer
GAR-82	1	Air Deflector
GAR-83	1	Comm. End Cap Cover
GBJ-25	1	End Cap Cover Gasket
(GCM-2035)	1	Comm. End Plate Assy.
GCJ-51	1	3rd Brush Plate Retain'g Spring
GCJ-1012‡	2	Brush - Main
GCJ-1013‡	1	Brush - Third
GCJ-1014	1	3rd Brush Plate Assy.
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
GCM-1035	1	Comm. End Plate Part Assy.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
8X-311	1	#10-32x3/8 Rd. Hd. Screw
GR-32	1	Felt Washer Retainer
X-62	6	#10-32x3/8 Flat Hd. Screw
X-195	2	#8 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
8X-305	2	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DG-1144	1	Oil Thrower
GBM-21	1	Armature Shaft Nut
GCJ-2048	1	Armature Assembly
GAR-171	1	Snap Ring
SP-96	1	Ventilating Fan
X-157	1	1/2-20 Slotted Nut
X-258	1	#3 Woodruff Key
X-263	1	#8 Woodruff Key
X-358	1	1/2 Plain Steel Washer
X-404	1	3/32x1 Cotter Pin
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GAR-1192	1	Drive End Head Assy.
GAE-47	1	Bearing Retainer
GAR-192	1	Drive End Head
8X-66	3	#10-32x1/2 Flat Hd. Sc.
X-378	1	Ball Brg. - Oil Seal

Miscellaneous Parts

CB-4014	1	Circuit Breaker Assy.
CB-123	1	Armature Spring
CB-160	1	C.B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Screw
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Screw
GBW-1024A	1	Head Band Assembly
X-196	2	#10 Lock Washer
8X-321	2	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 10-22-37)

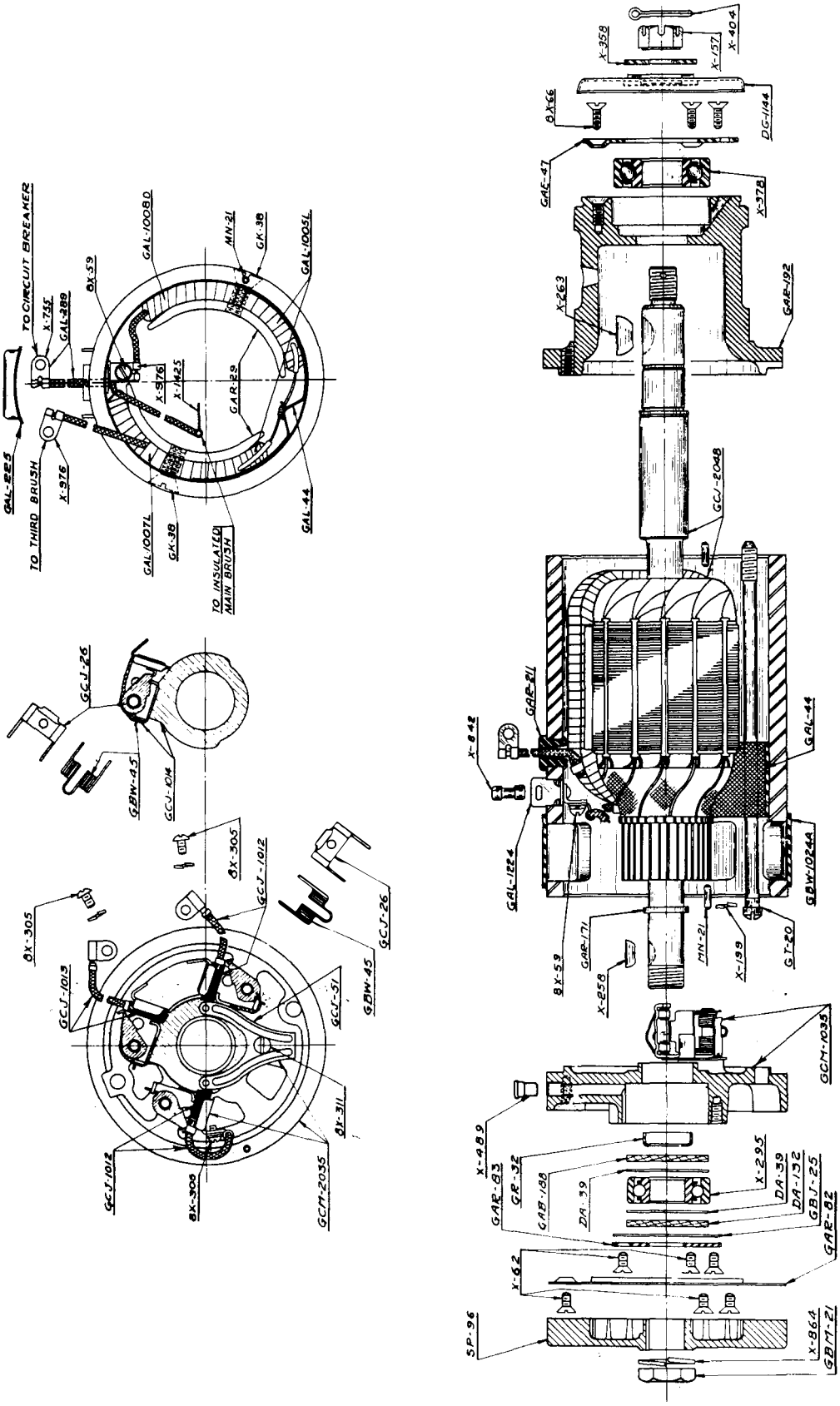
‡ Service Brush Set GCJ-2012S.

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCM-4811 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GCJ-3079)	1	Frame & Field Assembly
GAL-29	2	Pole Piece
GAL-44	1	Field Connection Ins.
GAR-211	1	Insulating Bushing
GCJ-2005C	1	FIELD COIL ASSY.- Comp.
GCJ-2007B	1	Field Coil Assy.-Left
GAL-296	1	C.B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-959	1	Terminal
GCJ-2008B	1	Field Coil Assy.-Right
X-976	1	Terminal
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-140	1	#6-32 Hex. Nut
X-194	1	#6 Lock Washer
8X-1008	1	#6-32x9/16 Rd. Hd. Screw
GK-20	2	Frame Screw
X-199	2	1/4 Lock Washer

Comm. End Plate Assembly & Parts Used With

(GCJ-3085)	1	Comm. End Plate Assembly
GAR-73	1	Oil Wick
GAR-98A	1	Wick Cover
GBW-69	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GBW-1068B	1	Comm. End Cap Cover
GCJ-51	1	3rd Brush Plate Retaining Spring
GCJ-1014L	1	3rd Brush Plate Assy.
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
GCJ-1085A	1	C. E. Plate Part Assy.
GBF-79	1	ABSORBENT BRONZE BRG.
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
GCJ-1023L	1	Grounded Brush Holder Assembly
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
X-195	2	#8 Lock Washer
8X-304	2	#8-32x5/16 Rd. Hd. Sc.
GDF-1012†	2	Brush - Main
GDF-1013†	1	Brush - Third
X-195	5	#8 Lock Washer
8X-311	1	#10-32x3/8 Rd. Hd. Screw
8X-888	4	#8-32x5/16 Fill. Hd. Sc.
8X-1507	1	#8-32x1/4 Bdg. Hd. Screw
X-195	2	#8 Lock Washer
8X-1507	2	#8-32x1/4 Bdg. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAL-310	1	Armature Shaft Spacer
GCJ-2091	1	ARMATURE ASSEMBLY
GK-174	1	1/2 Plain Washer
X-156	1	1/2-20 Castellated Nut
X-263	1	#8 Woodruff Key
X-404	1	3/32x1 Cotter Pin

Drive End Head Assembly & Parts Used With

GDF-1003	1	Drive End Head Assembly
DB-17	1	Felt Guard
GAR-95	1	Felt Washer
GBC-25	1	Felt Guard
GDF-3	1	Drive End Head
GW-29	1	Felt Washer
GX-9	1	Bearing Retainer
X-196	3	#10 Lock Washer
X-298	1	BALL BEARING- S.A.E. #204
8X-311	3	#10-32x3/8 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

CB-4014	1	CIRCUIT BREAKER ASSEMBLY
CB-123	1	Armature Spring
CB-160S	1	C. B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Sc.
GBW-1024A	1	Head Band Assembly
X-196	2	#10 Lock Washer
8X-321	2	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 4-18-41)

† SERVICE BRUSH SET GDF-2012S.

UNIT	APPLICATION
GCJ-4812	Chris Craft

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GCJ-3074)	1	Frame & Field Assembly
GAL-29	2	Pole Piece
GAL-44	1	Field Connection Ins.
GAR-211	1	Insulating Bushing
GCJ-2005	1	FIELD COIL ASSY.- Comp.
GCJ-2007	1	Field Coil Assy.-Left
X-976	1	Terminal
GCJ-2008	1	Field Coil Assy.-Right
GAL-289	1	C.B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-959	1	Terminal
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-140	1	#6-32 Hex. Nut
X-194	1	#6 Lock Washer
8X-1008	1	#6-32x9/16 Rd. Hd. Sc.
GK-20	2	Frame Screw
X-199	2	1/4 Lock Washer

Comm. End Plate Assembly & Parts Used With

DA-39	2	Flat Oil Guard
DA-70	1	Armature Shaft Nut
DJ-10	1	End Cap Cover Gasket
GAG-53	1	Comm. End Cap Cover
(GCJ-3075)	1	Comm. End Plate Assembly
GCJ-51	1	3rd Brush Plate Retaining Spring
GCJ-1014L	1	3rd Brush Plate Assy.
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
GCJ-1075	1	C. E. Plate Part Assy.
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
GCJ-1023L	1	Grounded Brush Holder Assembly
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
X-195	2	#8 Lock Washer
8X-304	2	#8-32x5/16 Rd. Hd. Sc.
GDF-1012†	2	Brush - Main
GDF-1013†	1	Brush - Third
X-195	1	#8 Lock Washer
8X-311	1	#10-32x3/8 Rd. Hd. Screw
8X-1507	1	#8-32x1/4 Bdg. Hd. Screw
GR-32	1	Felt Washer Retainer
GR-35	2	Felt Washer
X-195	2	#8 Lock Washer
X-295	1	BALL BEARING - S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Sc.
8X-1507	2	#8-32x1/4 Bdg. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCJ-2090	1	ARMATURE ASSEMBLY
GAR-171	2	Snap Ring
GJ-104	1	Armature Shaft Spacer
GJ-179	1	7/16 Plain Washer
X-160	1	7/16-20 Hex. Nut
X-205	1	7/16 Lock Washer
X-261	2	#6 Woodruff Key

Drive End Head Assembly & Parts Used With

GCZ-1003A	1	Drive End Head Assembly
GCZ-3A	1	Drive End Head
GG-6	2	Bearing Retainer
GG-164	1	Felt Washer
GK-176	1	Felt Washer Retainer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	BALL BEARING- S.A.E. #203
8X-316	3	#10-32x3/4 Rd. Hd. Sc.
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

CB-4014	1	CIRCUIT BREAKER ASSEMBLY
CB-123	1	Armature Spring
CB-160S	1	C. B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Screw
GBW-1024A	1	Head Band Assembly
X-196	2	#10 Lock Washer
8X-321	2	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 4-18-41)

† SERVICE BRUSH SET GDF-2012S.

UNIT	APPLICATION
GCJ-4813	Gray Marine

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

PRELIMINARY

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GCJ-2077)	1	Frame & Field Assembly
GAL-29	2	Pole Piece
GAL-44	1	Field Connection Ins.
GAR-211	1	Insulating Bushing
GCJ-1005A	1	FIELD COIL ASSY.- Comp.
GCJ-1007A	1	Field Coil Assy.-Left
GAL-289	1	C.B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GCJ-1008A	1	Field Coil Assy.-Right
X-959	1	Terminal
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-140	1	#6-32 Hex. Nut
X-194	1	#6 Lock Washer
8X-1008	1	#6-32x9/16 Rd. Hd. Sc.
GK-20	2	Frame Screw
X-199	2	1/4 Lock Washer

Comm. End Plate Assembly & Parts Used With

DA-39	2	Flat Oil Guard
DA-70	1	Armature Shaft Nut
DJ-10	1	End Cap Cover Gasket
GAG-53	1	Comm. End Cap Cover
(GCJ-2076)	1	Comm. End Plate Assembly
GCJ-51	1	3rd Brush Plate Retaining Spring
GCJ-1014	1	3rd Brush Plate Assembly
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
GCJ-1076	1	C. E. Plate Part Assy.
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
GCJ-1023R	1	Grounded Brush Holder Assembly
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
X-195	2	#8 Lock Washer
8X-304	2	#8-32x5/16 Rd. Hd. Sc.
GDF-1012†	2	Brush - Main
GDF-1013†	1	Brush - Third
X-195	1	#8 Lock Washer
8X-311	1	#10-32x3/8 Rd. Hd. Sc.
8X-1507	1	#8-32x1/4 Bdg. Hd. Sc.
GR-32	1	Felt Washer Retainer
GR-35	2	Felt Washer
X-195	2	#8 Lock Washer
X-295	1	BALL BEARING - S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Sc.
8X-1507	2	#8-32x1/4 Bdg. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCJ-2090	1	ARMATURE ASSEMBLY
GAR-171	2	Snap Ring
GJ-104	1	Armature Shaft Spacer
GJ-179	1	7/16 Plain Washer
X-160	1	7/16-20 Hex. Nut
X-205	1	7/16 Lock Washer
X-261	2	#6 Woodruff Key

Drive End Head Assembly & Parts Used With

GAL-1063B	1	Drive End Head Assembly
GAL-63A	1	Drive End Head
GG-6	2	Bearing Retainer
GG-164	1	Felt Washer
GK-176	1	Felt Washer Retainer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	BALL BRG. - S.A.E. #203
8X-316	3	#10-32x3/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

CB-4014	1	CIRCUIT BREAKER ASSEMBLY
CB-123	1	Armature Spring
CB-160S	1	C. B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Sc.
GBW-1024A	1	Head Band Assembly
X-196	2	#10 Lock Washer
8X-321	2	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 4-18-41)

† SERVICE BRUSH SET GDF-2012S.

UNIT	APPLICATION
GCJ-4814	Gray Marine

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GCJ-2063)	1	Frame & Field Assembly
GAL-29	2	Pole Piece
GAL-44	1	Field Connection Ins.
GAR-211	1	Insulating Bushing
GCJ-1005D	1	FIELD COIL ASSY.- Comp.
GCJ-1007B	1	Field Coil Assy.-Right
X-976	1	Terminal
GCJ-1008D	1	Field Coil Assy.-Left
GAL-299	1	C.B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-959	1	Terminal
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-140	1	#6-32 Hex. Nut
X-194	1	#6 Lock Washer
8X-1008	1	#6-32x9/16 Rd. Hd. Screw
GK-20	2	Frame Screw
X-199	2	1/4 Lock Washer

Comm. End Plate Assembly & Parts Used With

(GCJ-2086)	1	Comm. End Plate Assembly
GAR-73	1	Oil Wick
GAR-98A	1	Wick Cover
GBW-69	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GBW-1068B	1	Comm. End Cap Cover
GCJ-51	1	3rd Brush Plate Retaining Spring
GCJ-1014	1	3rd Brush Plate Assy.
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
GCJ-1086A	1	C. E. Plate Part Assy.
GBF-79	1	ABSORBENT BRONZE BRG.
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
GCJ-1023R	1	Grounded Brush Holder Assembly
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
X-195	2	#8 Lock Washer
8X-304	2	#8-32x5/16 Rd. Hd. Sc.
GDF-1012†	2	Brush - Main
GDF-1013†	1	Brush - Third
X-195	5	#8 Lock Washer
8X-311	1	#10-32x3/8 Rd. Hd. Screw
8X-888	4	#8-32x5/16 Fill. Hd. Sc.
8X-1507	1	#8-32x1/4 Bdg. Hd. Screw
X-195	2	#8 Lock Washer
8X-1507	2	#8-32x1/4 Bdg. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAL-310	1	Armature Shaft Spacer
GCJ-2091	1	ARMATURE ASSEMBLY
GK-174	1	1/2 Plain Washer
X-156	1	1/2-20 Castellated Nut
X-263	1	#8 Woodruff Key
X-404	1	3/32x1 Cotter Pin

Drive End Head Assembly & Parts Used With

GDF-1003A	1	Drive End Head Assembly
DB-17	1	Felt Guard
GAR-95	1	Felt Washer
GBC-25	1	Felt Guard
GDF-3A	1	Drive End Head
GW-29	1	Felt Washer
GX-9	1	Bearing Retainer
X-196	3	#10 Lock Washer
X-298	1	BALL BEARING - S.A.E. #204
8X-311	3	#10-32x3/8 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

CB-4014	1	CIRCUIT BREAKER ASSEMBLY
CB-123	1	Armature Spring
CB-160S	1	C. B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Screw
GBW-1024A	1	Head Band Assembly
X-196	2	#10 Lock Washer
8X-321	2	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 4-18-41)

† SERVICE BRUSH SET GDF-2012S.

UNIT	APPLICATION
GCJ-4815	Chris Craft

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCK-4804-1 GENERATOR PARTS LIST

GCK-4804-1
(Issued 2-15-55)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GCK-3059A	1	Frame & Field Assembly
GAA-32	1	Washer, Ins., Arm. Term.
GAL-44	1	Insulation, Field Connection
GBW-34	1	Washer, Ins., Field Term.
GBW-66	1	Insulation, Arm. Term., Inner
GBW-67	1	Insulation, Field Term., Inner
GCK-2005	1	COIL ASSY., FIELD COMPLETE
GBW-99	1	Lead Assembly
X-847	1	Terminal
GCK-1007A		Coil, Field, Left
GCK-1008A	1	Coil, Field, Right
GEA-27	1	Stud, Arm. Term., #14-24
GEB-58	1	Stud, Field Term., #10-32
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Field Term.
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term., Hex. #14-24
X-196	2	Lockwasher, Field Term., #10
X-199	2	Lockwasher, Arm. Term., 1/4
8X-349	1	Washer, Field Term., Plain #10
8X-361	1	Washer, Arm. Term., Plain 1/4
8X-1377	2	Nut, Field Term., Hex. #10-32
GK-20A	2	Bolt, Thru
X-196	1	Lockwasher, Grd. Screw, #10
X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

Part No.	No. Used	Name of Part
GBW-3082	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBW-69	1	Gasket, C. E. Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GBW-1012A†	2	Brush, Main
GBW-1068	1	Cover, Comm. End
GBW-1082A	1	Head Assy., Partial, C. E.
GBF-79	1	BEARING, ABS. BRONZE
GBW-45	2	Spring, Brush
GCJ-26	2	Arm, Brush
X-195	4	Lockwasher, Cover Sc., #8

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
8X-888	4	Screw, C. E. Cover, Fill. Hd. #8-32x5/16
X-195	2	Lockwasher, Lead Screw, #8
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

GAR-1177	1	Oil Thrower
GCK-2081F	1	ARMATURE
GK-174	1	Washer, Shaft, Plain 1/2
X-156	1	Nut, Arm. Shaft, D. E.
X-263	1	Key, Woodruff, #8
X-404	1	Pin, Cotter

Drive End Head Assembly & Parts Used With

GAR-1247	1	Head Assy., Drive End
GAR-95	1	Washer, Felt
GAR-247	1	Head, Drive End
GGW-52	3	Screw, Retainer, Rd. Hd. #10-32x1/2
GX-9	1	Retainer, Bearing
GX-10	1	Gasket
12X-196	3	Lockwasher, Retainer Screw, #10
X-378	1	BEARING, BALL, SHIELDED, S. A. E. #204

Miscellaneous Parts

GBW-1024C	1	Band, Cover
X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GBW-2012AS.

NOTE: VRU-4001A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GCK-4804-1	Atlas Diesel

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCK-4805,A GENERATOR PARTS LIST

GCK-4805,A
(Issued 1-28-52)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GCK-2001	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term.
GAL-44	1	Insulation, Field Connection
GBW-34	1	Washer, Ins., Field Term.
GBW-40	1	Lead Assembly
GAA-27	1	Stud, Arm. Term., #14-24
X-847	1	Terminal
GBW-66	1	Insulation, Square, Arm. Term.
GBW-67	1	Insulation, Square, Field Term.
GCK-1005	1	COIL ASSY., FIELD, COMPLETE
GCK-1007	1	Coil Assy., Field, Left
IG-821	1	Terminal
GCK-1008	1	Coil, Field, Right
GEB-58	1	Stud, Field Term., #10-32
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Field Term.
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term., Hex. #14-24
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-349	1	Washer, Field Term., Plain #10
8X-361	1	Washer, Arm. Term., Plain 1/4
8X-1377	2	Nut, Field Term., Hex. #10-32
GY-20	2	Bolt, Thru
12X-196	1	Lockwasher, Grd. Sc., #10
12X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

GBW-2002S	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBW-69	1	Gasket, C.E. Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GBW-1002A	1	Head Assy., Partial, C.E.

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
GBF-79	1	BEARING, ABS. BRONZE
GBW-45	2	Spring, Brush
GCJ-26	2	Arm, Brush
GBW-1068	1	Cover, Comm. End
12X-195	4	Lockwasher, Cover Sc., #8
8X-888	4	Screw, Cover, Fill. Hd. #8-32x5/16
GGU-2012S	1	BRUSH SET, SERVICE
X-195	2	Lockwasher, Lead Sc., #8
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

GCK-2006F	1	ARMATURE ASSY.
GAR-171	1	Snap Ring
GK-175	1	Nut, Arm. Shaft, D.E.
GR-32	1	Retainer, Felt Washer
*	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

GBJ-1003C	1	Head Assy., Drive End
GAR-63	1	Retainer, Felt Washer
GAR-64	1	Retainer, Bearing
GBJ-3C	1	Head, Drive End
GG-164	2	Washer, Felt
8X-173	3	Nut, Retainer Sc., Hex. #10-32
X-196	3	Lockwasher, Retainer Sc., #10
X-295	1	BEARING, BALL, S.A.E. #203
X-489	1	Oiler
8X-1003	3	Screw, Retainer, Rd. Hd. #10-32x7/8

Miscellaneous Parts

GBW-24B	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

* See table following parts list for part numbers applying to assembly wanted.

(Continued on Reverse Side)

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File in
Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

NOTE: VRS-4005D CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

Assembly No.	Pulley
GCK-4805	None
GCK-4805A	SP-641 A

UNIT	APPLICATION
GCK-4805, A	R. H. Sheppard

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCK-4806 GENERATOR PARTS LIST GCK-4806

PRELIMINARY

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GCK-2001)	1	Frame & Field Assembly
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-29	2	Pole Piece
GBW-34	1	Insulating Washer
GBW-40	1	Lead Assembly
GAA-27	1	Terminal Post
X-847	1	Terminal
GBW-66	1	Terminal Post Bottom Ins.
GBW-67	1	Terminal Post Bottom Ins.
GCK-1005	1	FIELD COIL ASSY.- Comp.
GBW-58	1	Terminal Post
GCK-1007	1	Field Coil Assy.-Left
IG-821	1	Terminal
GCK-1008	1	Field Coil - Right
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
GY-20	2	Frame Screw
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	2	#10 Lock Washer
12X-199	2	1/4 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

(GCP-2051)	1	Comm. End Plate Assembly
GAR-73	1	Oil Wick
GAR-98A	1	Wick Cover
GBW-69	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GBW-1012A†	2	Brush - Main
GBW-1051A	1	C. E. Plate Part Assembly
GBF-79	1	ABSORBENT BRONZE BRG.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
GBW-1068B	1	Comm. End Cap Cover
12X-195	5	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
8X-888	4	#8-32x5/16 Fill. Hd. Sc.
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAR-1170	1	Oil Thrower Assembly
GCK-2052F	1	ARMATURE ASSEMBLY

Drive End Head Assembly & Parts Used With

GAR-1162	1	Drive End Head Assembly
GAR-95	1	Felt Washer
GAR-162	1	Drive End Head
GX-9	1	D. E. Packing Retainer
GX-10	1	Gasket
X-196	3	#10 Lock Washer
8X-311	3	#10-32x3/8 Rd. Hd. Screw
X-378	1	BALL BRG.- S.A.E. #204
		Oil Seal
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

GBW-24B	1	Head Band
8X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 5-19-41)

† SERVICE BRUSH SET GBW-2012AS.

NOTE:- VRU-4002A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GCK-4806	Chrysler Marine

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GCK-4807 GENERATOR PARTS LIST GCK-4807

PRELIMINARY

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GCK-3059)	1	Frame & Field Assembly
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-29	2	Pole Piece
GBW-34	1	Insulating Washer
GBW-66	1	Terminal Post Bottom Ins.
GBW-67	1	Terminal Post Bottom Ins.
GCK-2005A	1	FIELD COIL ASSY.- Comp.
GBW-58	1	Terminal Post
GBW-87	1	Lead Assembly
X-847	1	Terminal
GCK-1007A	1	Field Coil Assy.-Left
GCK-1008A	1	Field Coil Assy.-Right
GEA-27	1	Terminal Post
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
GY-20	2	Frame Screw
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	2	#10 Lock Washer
12X-199	2	1/4 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

(GBW-3051)	1	Comm. End Plate Assembly
GAR-73	1	Oil Wick
GAR-98A	1	Wick Cover
GBW-69	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GBW-1012A†	2	Brush - Main
GBW-1051B	1	C. E. Plate Part Assembly
GBF-79	1	ABSORBENT BRONZE BRG.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
GBW-1068B	1	Comm. End Cap Cover
12X-195	5	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
8X-888	4	#8-32x5/16 Fill. Hd. Sc.
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAR-1170	1	Oil Thrower Assembly
GCK-3052F	1	ARMATURE ASSEMBLY

Drive End Head Assembly & Parts Used With

GAR-1162	1	Drive End Head Assembly
GAR-95	1	Felt Washer
GAR-162	1	Drive End Head
GX-9	1	D. E. Packing Retainer
GX-10	1	Gasket
X-196	3	#10 Lock Washer
8X-311	3	#10-32x3/8 Rd. Hd. Screw
X-378	1	BALL BRG.- S.A.E. #204
		Oil Seal
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

GBW-24B	1	Head Band
8X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 5-19-41)

† SERVICE BRUSH SET GBW-2012AS.

NOTE:- VRU-4002A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GCK-4807	Chrysler Marine

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GCM-2030)	1	Frame & Field Assy.
GAL-44	1	Field Connection Ins.
GAL-1005AJ	1	Field Coil Assy.-Comp.
GAL-1007AF	1	Field Coil Assy.-Left
GAL-289	1	C.B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GAL-1008F	1	Field Coil Assy.-Right
X-767	1	Terminal
GAR-29	2	Pole Piece
GAR-211	1	Insulating Bushing
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
GK-20	2	Frame Screw
X-199	2	1/4 Lock Washer

Comm. End Plate Assembly & Parts Used With

(GCM-2002A)	1	Comm. End Plate Assy.
GAR-73	1	Oil Wick
GAR-98	1	Wick Cover
GBW-69	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GBW-1068B	1	Comm. End Cap Cover
GCJ-51	1	3rd Brush Plate Retaining Spring
GCJ-1012‡	2	Brush - Main
GCJ-1013‡	1	Brush - Third
GCJ-1014	1	3rd Brush Plate Assy.
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
GCM-1002C	1	Comm. End Plate Part Assy.
GBF-79	1	Absorbent Bronze Brg.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
X-195	5	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Sc.
8X-311	1	#10-32x3/8 Rd. Hd. Sc.
8X-888	4	#8-32x5/16 Fill. Hd. Sc.
X-195	2	#8 Lock Washer
8X-305	2	#8-32x1/4 Rd. Hd. Sc.

Armature Assembly & Parts Used With

GBM-21	1	Armature Shaft Nut
GCJ-2006B	1	Armature Assembly
GAR-171	1	Snap Ring
GR-32	1	Felt Washer Retainer
*	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer
		1 2 3 4 5

Drive End Head Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBJ-1003	1	Drive End Head Assy.
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GBJ-3	1	D.E. Head
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	Ball Brg.-S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Sc.

Miscellaneous Parts

GBW-1024A	1	Head Band Assy.
TC-4302A	1	C.B. & Two Charge Regulator Assembly
X-196	4	#10 Lock Washer
8X-321	4	#10-32x5/16 Rd. Hd. Sc.
X-714	1	#10-32x1 1/2 Rd. Hd. Sc.
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 4-25-41)

Assy. No.	Drive Pulley
GCM-4802A	SP-1182
GCM-4802B	SP-190

* See table following parts list for part number applying to assembly wanted.

‡ Service Brush Set GDF-2012S.

UNIT	APPLICATION
GCM-4802A, B	Studebaker

"NOTE: Where part numbers ar shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCM-4802A,B GENERATOR ILLUSTRATION

GCM-4802A,B
FILE A-427

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GCM-2030)	1	Frame & Field Assy.
GAL-44	1	Field Connection Ins.
GAL-1005AJ	1	Field Coil Assy.-Comp.
GAL-1007AF	1	Field Coil Assy.-Left
GAL-289	1	C.B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GAL-1008F	1	Field Coil Assy.-Right
X-767	1	Terminal
GAR-29	2	Pole Piece
GAR-211	1	Insulating Bushing
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
GK-20	2	Frame Screw
X-199	2	1/4 Lock Washer

Comm. End Plate Assembly & Parts Used With

(GCM-2002A)	1	Comm. End Plate Assy.
GAR-73	1	Oil Wick
GAR-98	1	Wick Cover
GBW-69	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GBW-1068B	1	Comm. End Cap Cover
GCJ-51	1	3rd Brush Plate Retaining Spring
GCJ-1012‡	2	Brush - Main
GCJ-1013‡	1	Brush - Third
GCJ-1014	1	3rd Brush Plate Assy.
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
GCM-1002C	1	Comm. End Plate Part Assy.
GBF-79	1	Absorbent Bronze Brg.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
X-195	5	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Sc.
8X-311	1	#10-32x3/8 Rd. Hd. Sc.
8X-888	4	#8-32x5/16 Fill. Hd. Sc.
X-195	2	#8 Lock Washer
8X-305	2	#8-32x1/4 Rd. Hd. Sc.

Armature Assembly & Parts Used With

GBM-21	1	Armature Shaft Nut
GCJ-2006B	1	Armature Assembly
GAR-171	1	Snap Ring
GR-32	1	Felt Washer Retainer
*	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer
		1 2 3 4 5

Drive End Head Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBJ-1003	1	Drive End Head Assy.
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GBJ-3	1	D.E. Head
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	Ball Brg.-S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Sc.

Miscellaneous Parts

GBW-1024A	1	Head Band Assy.
TC-4302A	1	C.B. & Two Charge Regulator Assembly
X-196	4	#10 Lock Washer
8X-321	4	#10-32x5/16 Rd. Hd. Sc.
X-714	1	#10-32x1 1/2 Rd. Hd. Sc.
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 4-25-41)

Assy. No.	Drive Pulley
GCM-4802A	SP-1182
GCM-4802B	SP-190

* See table following parts list for part number applying to assembly wanted.

‡ Service Brush Set GDF-2012S.

UNIT	APPLICATION
GCM-4802A, B	Studebaker

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCM-4802A,B GENERATOR ILLUSTRATION

GCM-4802A,B
FILE A-427

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAL-225	1	Fuse Cover
(GCM-2032)	1	Frame & Field Assy.
GAL-44	1	Field Connection Ins.
GAL-1005AL	1	Field Coil Assy.-Comp.
GAL-1007AG	1	Field Coil Assy.-Left
GAL-171	1	C.B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GAL-1008D	1	Field Coil Assy.-Right
X-976	1	Terminal
GAL-1224	1	Fuse Holder
GAR-21	1	Aligning Dowel
GAR-29	2	Pole Piece
GAR-211	1	Ins. Bushing
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-59	1	#8-32x3/16 Rd. Hd. Screw
X-195	1	#8 Lock Washer
GK-20	2	Frame Screw
X-199	2	1/4 Lock Washer
X-842	1	Fuse - 5 Amp.

Comm. End Plate Assembly & Parts Used With

DA-39	2	Flat Oil Guard
DA-70	1	Armature Shaft Nut
GAR-83A	1	Comm. End Cap Cover
GBJ-25	1	End Cap Cover Gasket
(GCM-2031)	1	Comm. End Plate Assy.
GCJ-51	1	3rd Brush Plate Retaining Spring
GCJ-1014	1	3rd Brush Plate Assy.
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
GCM-1012‡	2	Brush Main
GCM-1013‡	1	Brush - Third
GCM-1031	1	Comm. End Plate Part Assy.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
8X-311	1	#10-32x3/8 Rd. Hd. Screw
GR-32	2	Felt Washer Retainer
GR-35	2	Felt Washer
X-195	2	#8 Lock Washer
X-295	1	Ball Bearing - S.A.E. #203
8X-305	2	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
*	1	Armature Shaft Spacer
GCJ-2030	1	Armature Assy.
GAR-171	2	Snap Ring
*	1	Drive Pulley
*	1	1/2-20 Hex. Nut
*	1	#9 Woodruff Key
*	1	1/2 Skpf. Washer

Drive End Head Assembly & Parts Used With

GAR-1062	1	Drive End Head Assy.
GAR-62	1	Drive End Head
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-295	1	Ball Bearing - S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Screw
X-1270	3	#10 Skpf. Washer

Miscellaneous Parts

CB-4014	1	Circuit Breaker Assy.
CB-123	1	Armature Spring
CB-160	1	C.B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Screw
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Screw
GBW-1024A	1	Head Band Assy.
X-196	2	#10 Lock Washer
8X-321	2	#10-32x5/16 Rd. Hd. Screw
8X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 5-3-37)

Assembly No.	Shaft Spacer	Drive Pulley	Hex. Nut	Woodruff Key	Skpf. Washer
GCM-4803	GAR-159	None	None	X-264B	None
GCM-4803A	GAR-159	SP-277	X-161	X-264B	X-1500
GCM-4803B	None	SP-1285	X-161	X-264	X-1500

* See table following parts list for part number applying to assembly wanted.

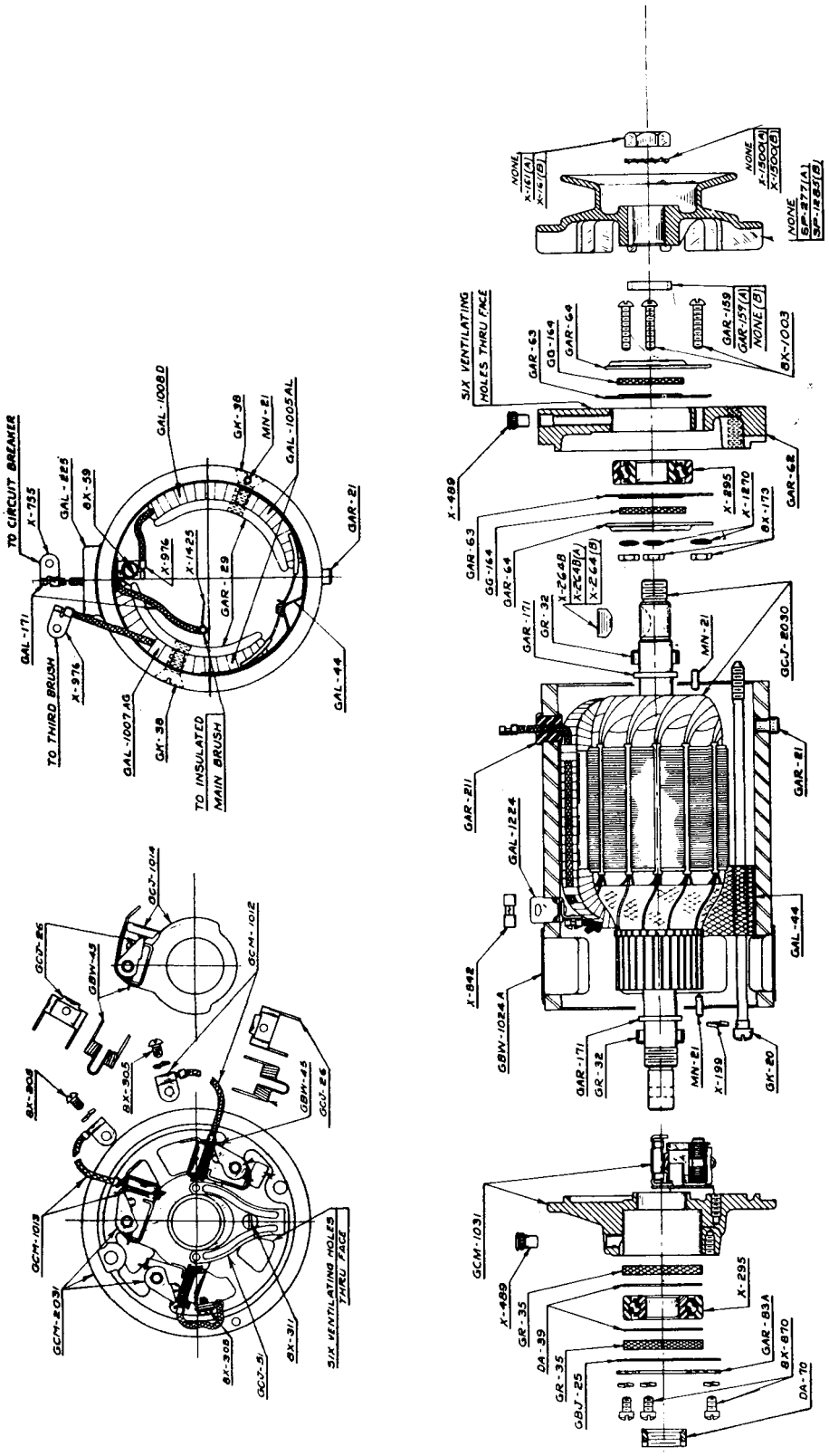
‡ Service Brush Set GCM-2012S.

Printed in U. S. A.

File in Equipment & Parts Lists Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCM-4803,A,B GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GCM-2042)	1	Frame & Field Assembly
GAL-44	1	Field Connection Ins.
GAL-1005Z	1	Field Coil Assy. - Comp.
GAL-1007T	1	Field Coil Assy. - Left
GAL-298	1	C.B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GAL-1008F	1	Field Coil Assy. - Right
X-767	1	Terminal
GAR-29	2	Pole Piece
GAR-211	1	Insulating Bushing
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
GT-20	2	Frame Screw
X-199	2	1/4 Lock Washer

Comm. End Plate Assembly & Parts Used With

DA-39	2	Flat Oil Guard
DA-132	1	Felt Washer
GAB-188	1	Felt Washer
GAR-82	1	Air Deflector
GAR-83	1	Comm. End Cap Cover
GBJ-25	1	End Cap Cover Gasket
(GCM-2035)	1	Comm. End Plate Assy.
GCJ-51	1	3rd Brush Plate Retain'g Spring
GCJ-1014	1	3rd Brush Plate Assy.
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
GCJ-1012‡	2	Brush - Main
GCJ-1013‡	1	Brush - Third
GCM-1035	1	Comm. End Plate Part Assembly
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
8X-311	1	#10-32x3/8 Rd. Hd. Sc.
GR-32	1	Felt Washer Retainer
X-62	6	#10-32x3/8 Flat Hd. Screw
X-195	2	#8 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
8X-305	2	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAR-1177	1	Oil Thrower Assembly
GBM-21	1	Armature Shaft Nut
GCJ-2042	1	Armature Assembly
GAR-171	1	Snap Ring
SP-96	1	Generator Fan
X-157	1	1/2-20 Slotted Nut
X-258	1	#3 Woodruff Key
X-263	1	#8 Woodruff Key
X-358	1	1/2 Plain Steel Washer
X-404	1	3/32x1 Cotter Pin
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

CAL-1330	1	Drive End Head Assy.
GAL-330	1	Drive End Head
GX-9	1	Bearing Retainer
GX-10	1	Gasket
X-196	3	#10 Lock Washer
8X-311	3	#10-32x3/8 Rd. Hd. Screw
X-378	1	Ball Bearing - Oil Seal

Miscellaneous Parts

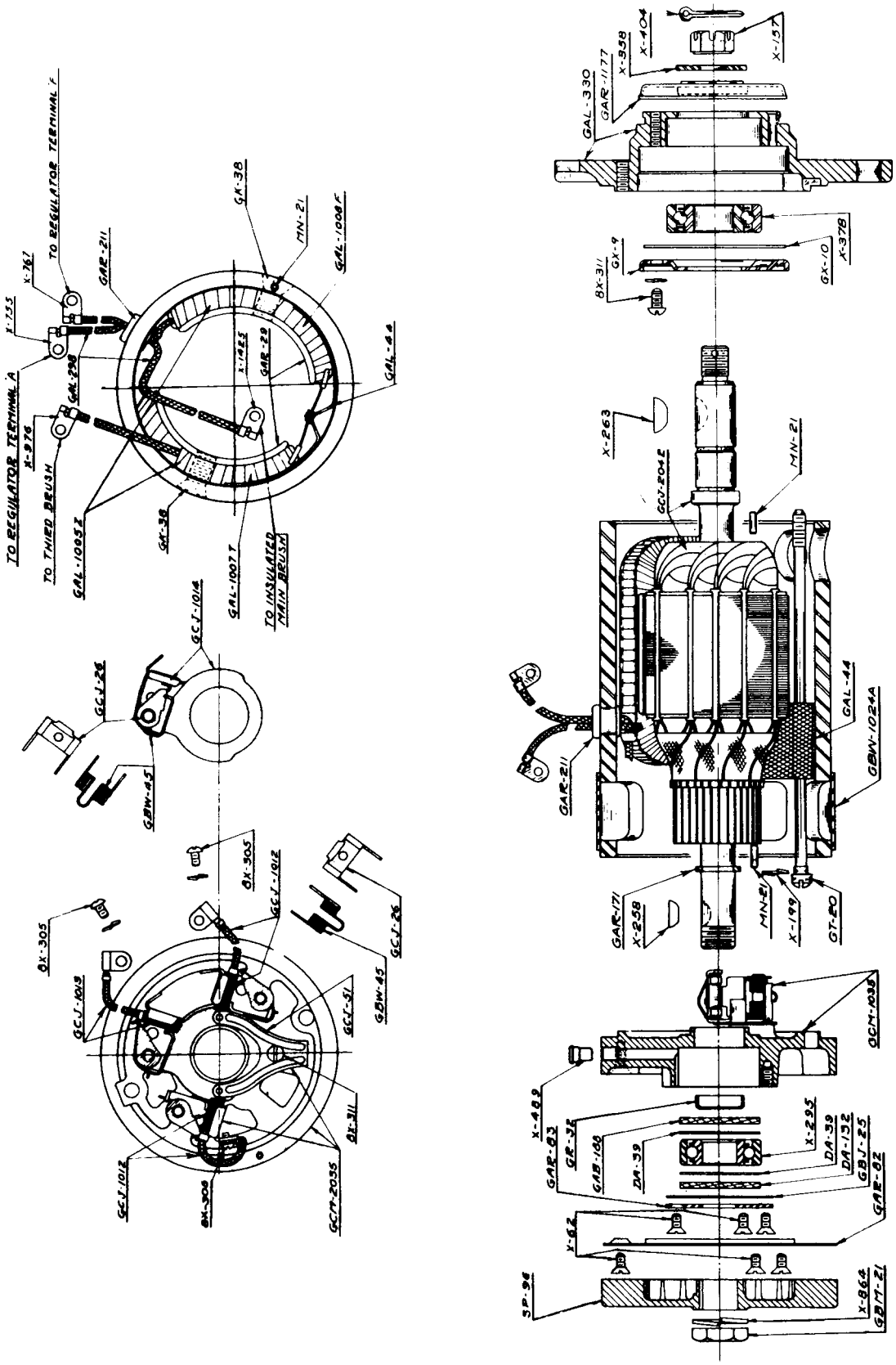
GBW-1024A	1	Head Band Assembly
TC-4302A	1	Two Charge Regulator
X-196	4	#10 Lock Washer
8X-321	4	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 7-13-37)

‡ Service Brush Set GCJ-2012S.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCM-4804 GENERATOR ILLUSTRATION



Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GCM-3038)	1	Frame & Field Assembly
GAL-44	1	Field Connection Ins.
GAL-2005K	1	FIELD COIL ASSY.- COMP.
GAL-1007AL	1	Field Coil Assy.-Left
GAL-296	1	C. B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GAL-1008F	1	Field Coil Assy.-Right
X-767	1	Terminal
GAR-29	2	Pole Piece
GAR-211	1	Insulating Bushing
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
GT-20	2	Frame Screw
X-199	2	1/4 Lock Washer

Comm. End Plate Assy. & Parts Used With

DA-39	2	Flat Oil Guard
DA-132	1	Felt Washer
GAB-188	1	Felt Washer
GAR-82	1	Air Deflector
GAR-83	1	Comm. End Cap Cover
GBJ-35	1	End Cap Cover Gasket
(GCM-3037)	1	Comm. End Plate Assembly
GCJ-51	1	3rd Brush Plate Retaining Spring
GCJ-1012‡	2	Brush - Main
GCJ-1013‡	1	Brush - Third
GCJ-1014L	1	3rd Brush Plate Assembly
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
GCM-1037	1	C. E. Plate Part Assy.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
8X-311	1	#10-32x3/8 Rd. Hd. Screw
GR-32	1	Felt Washer Retainer
X-62	6	#10-32x3/8 Flat Hd. Screw
X-195	2	#8 Lock Washer
X-295	1	BALL BEARING - S.A.E. #203
8X-305	2	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAR-1177	1	Oil Thrower Assembly
GBM-21	1	Armature Shaft Nut
GCJ-2042	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
SP-96	1	Ventilating Fan
X-157	1	1/2-20 Castellated Nut
X-258	1	#3 Woodruff Key
X-263	1	#8 Woodruff Key
X-358	1	1/2 Plain Steel Washer
X-404	1	3/32x1 Cotter Pin
X-864	1	.669 Lock Washer

Drive End Head Assy. & Parts Used With

GAL-1330	1	Drive End Head Assembly
GAL-330	1	Drive End Head
GX-9	1	Bearing Retainer
GX-10	1	Gasket
X-196	3	#10 Lock Washer
8X-311	3	#10-32x3/8 Rd. Hd. Screw
X-378	1	BALL BRG. - OIL SEAL

Miscellaneous Parts

GBW-1024A	1	Head Band Assembly
TC-4302A	1	TWO CHARGE REGULATOR
X-196	4	#10 Lock Washer
8X-321	4	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

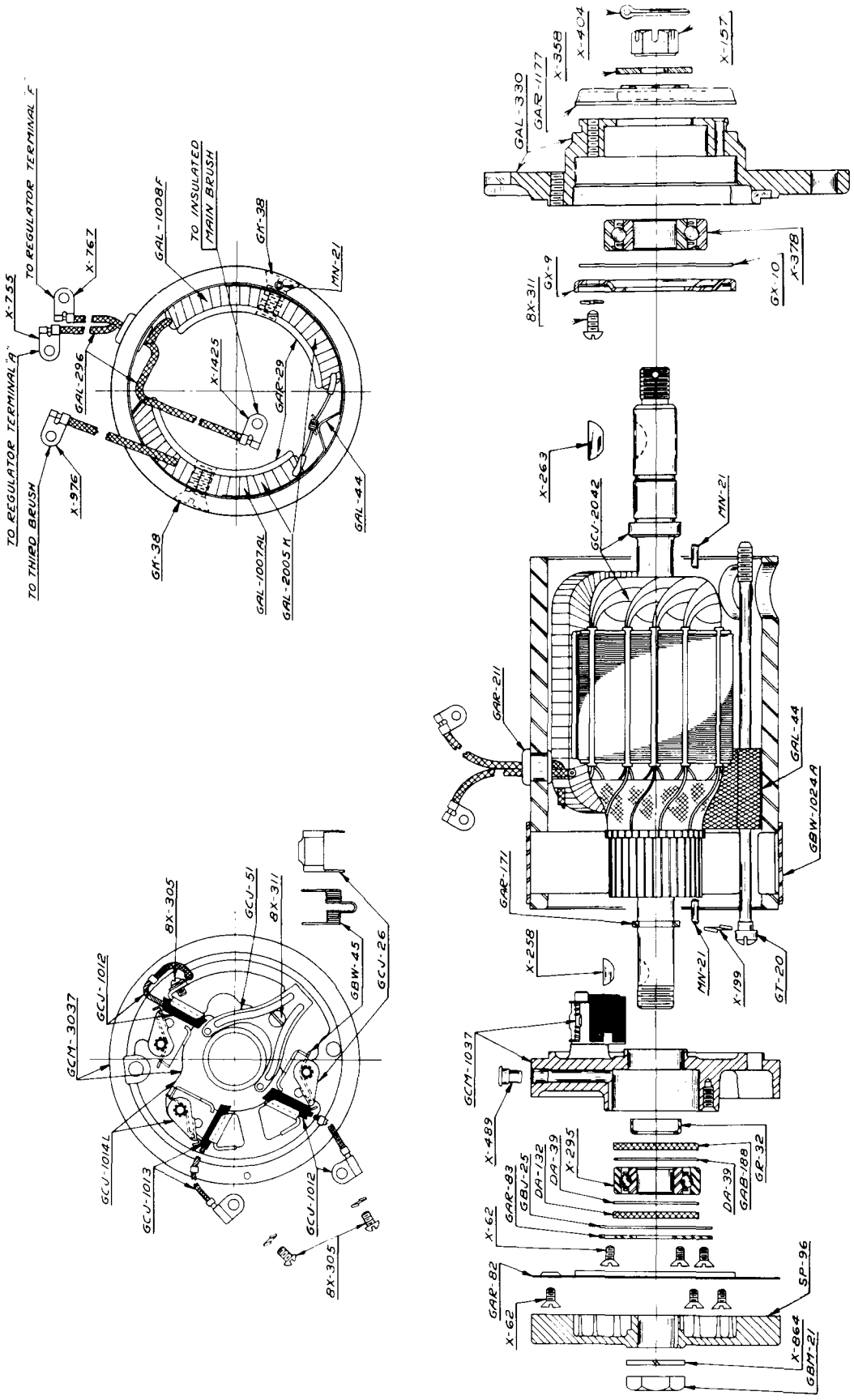
(Issued 9-8-39)

‡ Service BRUSH SET GDF-2012S.

UNIT	APPLICATION
GCM-4805	Nelson LeMoon

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCM-4805 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAL-225	1	Fuse Cover
(GCM-2039)	1	Frame & Field Assy.
GAL-44	1	Field Connection Ins.
GAL-1005L	1	Field Coil Assy. - Comp.
GAL-1007L	1	Field Coil Assy. - Left
GAL-289	1	C.B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GAL-1008D	1	Field Coil Assy. - Right
X-976	1	Terminal
GAL-1224	1	Fuse Holder
GAR-29	2	Pole Piece
GAR-211	1	Ins. Bushing
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-59	1	#8-32x3/16 Rd. Hd. Screw
X-195	1	#8 Lock Washer
GT-20	2	Frame Screw
X-199	2	1/4 Lock Washer
X-842	1	Fuse - 5 Ampere

Comm. End Plate Assembly & Parts Used With

DA-39	2	Flat Oil Guard
DA-132	1	Felt Washer
GAB-198	1	Felt Washer
GAR-82	1	Air Deflector
GAR-83	1	Comm. End Cap Cover
GBJ-25	1	End Cap Cover Gasket
(GCM-2035)	1	Comm. End Plate Assy.
GCJ-51	1	3rd Brush Plate Retain'g Spring
GCJ-1012‡	2	Brush - Main
GCJ-1013‡	1	Brush - Third
GCJ-1014	1	3rd Brush Plate Assy.
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
GCM-1035	1	Comm. End Plate Part Assy.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
8X-311	1	#10-32x3/8 Rd. Hd. Screw
GR-32	1	Felt Washer Retainer
X-62	6	#10-32x3/8 Flat Hd. Screw
X-195	2	#8 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
8X-305	2	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DG-1144	1	Oil Thrower
GBM-21	1	Armature Shaft Nut
GCJ-2044	1	Armature Assembly
GAR-171	1	Snap Ring
SP-96	1	Ventilating Fan
X-258	2	#3 Woodruff Key
X-358	1	1/2 Plain Steel Washer
X-404	1	3/32x1 Cotter Pin
X-835	1	1/2-20 Slotted Nut
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GAR-1192	1	Drive End Head Assy.
GAE-47	1	Bearing Retainer
GAR-192	1	Drive End Head
8X-66	3	#10-32x1/2 Flat Hd. Screw
X-378	1	Ball Brg. - Oil Seal

Miscellaneous Parts

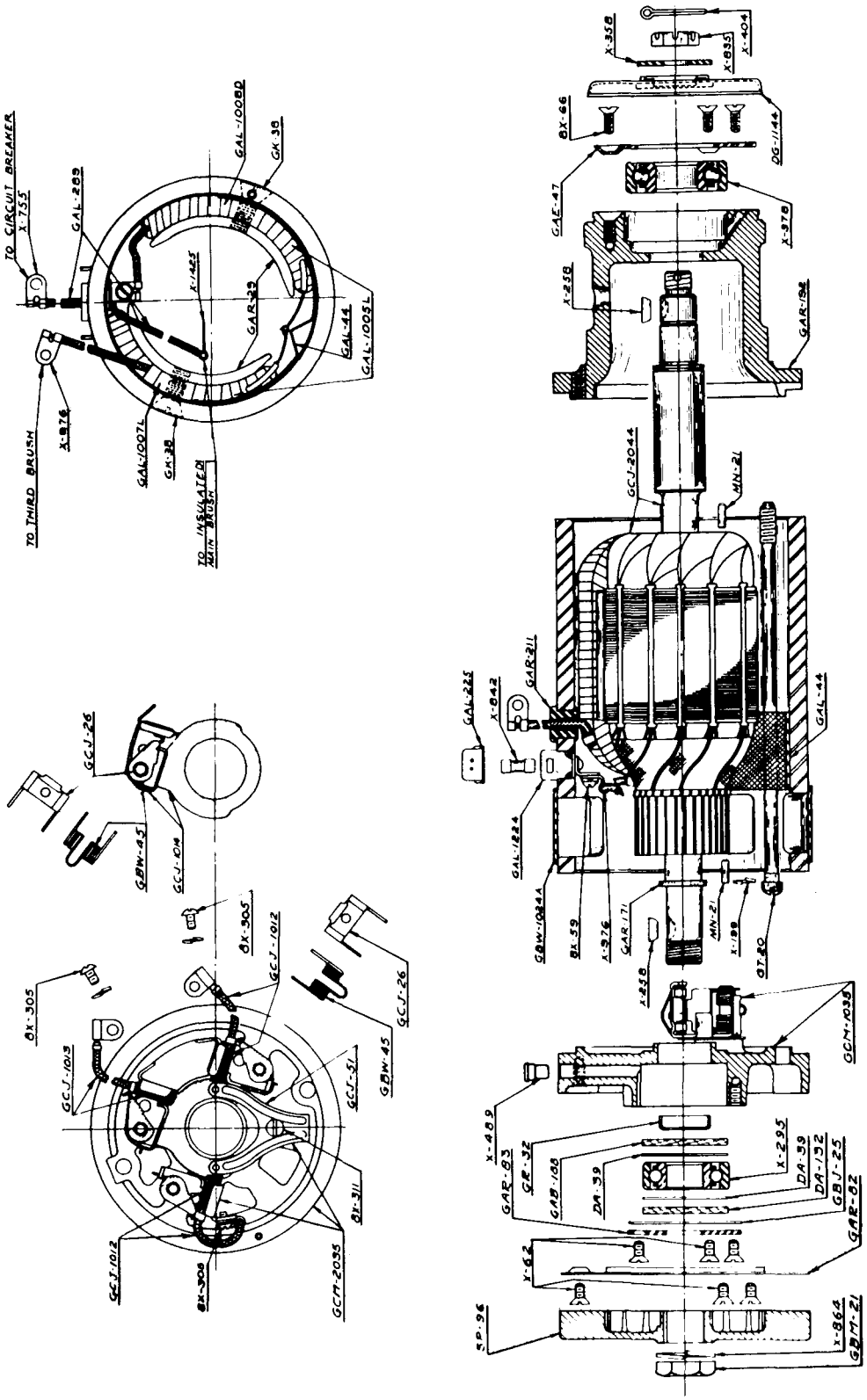
CB-4014	1	Circuit Breaker Assy.
CB-123	1	Armature Spring
CB-160	1	C.B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Screw
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Screw
GBW-1024A	1	Head Band Assy.
X-196	2	#10 Lock Washer
8X-321	2	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 10-22-37)

‡ Service Brush Set GCJ-2012S.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCM-4806 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAL-225	1	Fuse Cover
(GCM-2040)	1	Frame & Field Assy.
GAL-44	1	Field Connection Ins.
GAL-1005AL	1	Field Coil Assy. - Comp.
GAL-1007AG	1	Field Coil Assy. - Left
GAL-171	1	C.B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GAL-1008D	1	Field Coil Assy. - Right
X-976	1	Terminal
GAL-1224	1	Fuse Holder
GAR-29	2	Pole Piece
GAR-211	1	Insulating Bushing
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-59	1	#8-32x3/16 Rd. Hd. Screw
X-195	1	#8 Lock Washer
GK-20	2	Frame Screw
X-199	2	1/4 Lock Washer
X-842	1	Fuse - 5 Ampere

Comm. End Plate Assembly & Parts Used With

DA-39	2	Flat Oil Guard
DA-70	1	Armature Shaft Nut
GAR-83A	1	Comm. End Cap Cover
GBJ-25	1	End Cap Cover Gasket
(GCM-2031)	1	Comm. End Plate Assy.
GCJ-51	1	3rd Brush Plate Retain'g Spring
GCJ-1014	1	3rd Brush Plate Assy.
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
GCM-1012‡	2	Brush - Main
GCM-1013‡	1	Brush - Third
GCM-1031	1	Comm. End Plate Part Assembly
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
8X-311	1	#10-32x3/8 Rd. Hd. Screw
GR-32	2	Felt Washer Retainer
GR-35	2	Felt Washer
X-195	2	#8 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
8X-305	2	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Sc.
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GCJ-2046	1	Armature Assembly
GAR-171	2	Snap Ring
SP-265	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GAR-1062B	1	Drive End Head Assy.
GAR-62A	1	Drive End Head
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-295	1	Ball Brg. - S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Screw
X-1270	3	#10 Skpf. Washer

Miscellaneous Parts

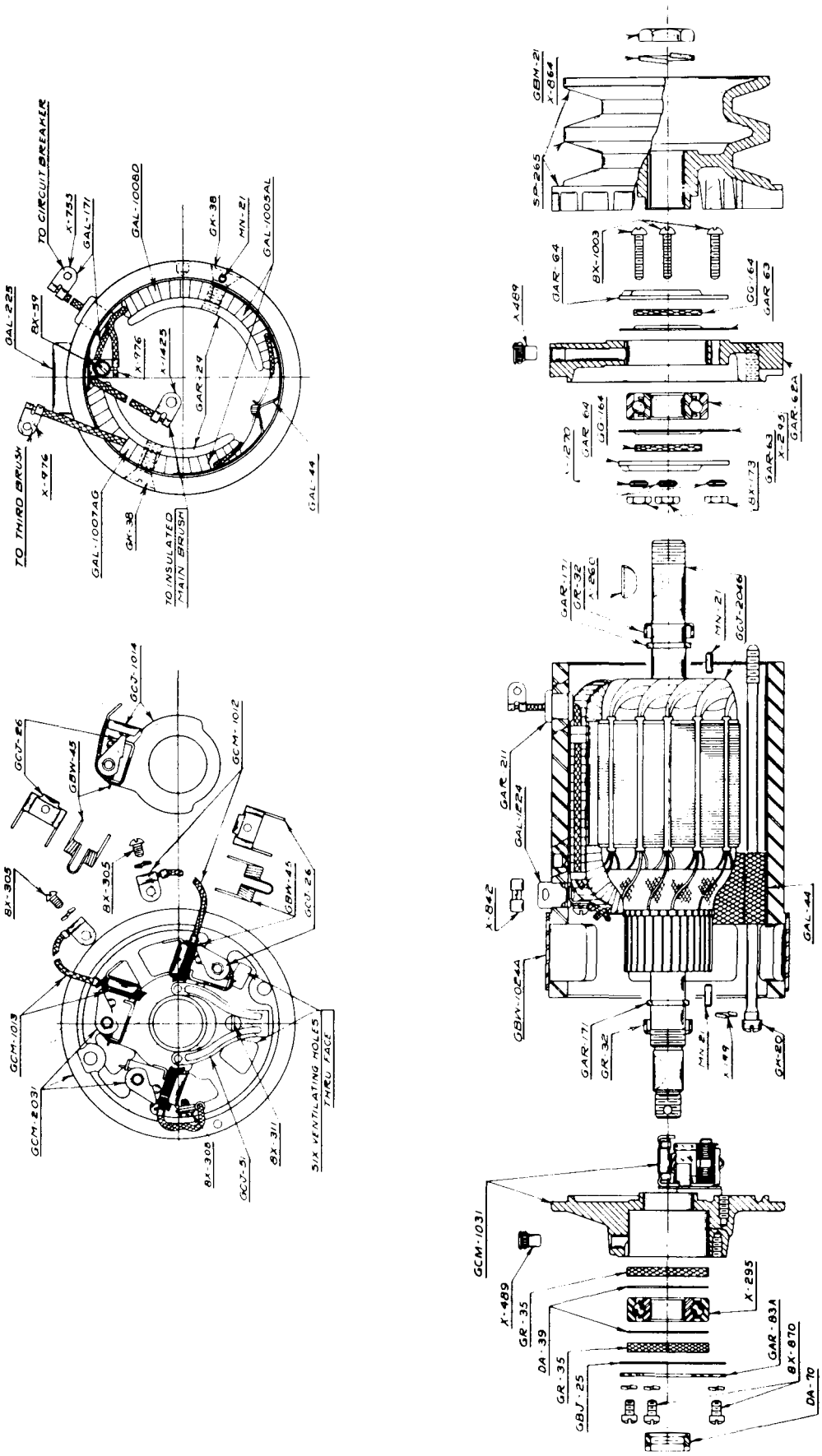
CB-4014	1	Circuit Breaker Assy.
CB-123	1	Armature Spring
CB-160	1	C.B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Screw
GBW-1024A	1	Head Band Assembly
X-196	2	#10 Lock Washer
8X-321	2	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 5-21-37)

‡ Service Brush Set GCM-2012S.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCM-4807A GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAL-225	1	Fuse Cover
(GCM-2041)	1	Frame & Field Assy.
GAL-44	1	Field Connection Ins.
GAL-1005AM	1	Field Coil Assy.-Comp.
GAL-1007T	1	Field Coil Assy.-Left
GAL-298	1	C.B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GAL-1008D	1	Field Coil Assy.-Right
X-976	1	Terminal
GAL-1224	1	Fuse Holder
GAR-29	2	Pole Piece
GAR-211	1	Ins. Bushing
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-59	1	#8-32x3/16 Rd. Hd. Sc.
X-195	1	#8 Lock Washer
GT-20	2	Frame Screw
X-199	2	1/4 Lock Washer
X-842	1	Fuse - 5 Amp.

Comm. End Plate Assembly & Parts Used With

DA-39	2	Flat Oil Guard
DA-132	1	Felt Washer
GAB-188	1	Felt Washer
GAR-82	1	Air Deflector
GAR-83	1	Comm. End Cap Cover
GBJ-25	1	End Cap Cover Gasket
(GCM-2035)	1	Comm. End Plate Assy.
GCJ-51	1	3rd Brush Plate Retaining Spring
GCJ-1012‡	2	Brush - Main
GCJ-1013‡	1	Brush - Third
GCJ-1014	1	3rd Brush Plate Assy.
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
GCM-1035	1	Comm. End Plate Part Assy.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Sc.
8X-311	1	#10-32x3/8 Rd. Hd. Sc.
GR-32	1	Felt Washer Retainer
X-62	6	#10-32x3/8 Flat Hd. Sc.
X-195	2	#8 Lock Washer
X-295	1	Ball Brg.-S.A.E. #203
8X-305	2	#8-32x1/4 Rd. Hd. Sc.
X-489	1	1/4 Oiler - Press in Type
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAR-1177	1	Oil Thrower Assembly
GBM-21	1	Armature Shaft Nut
GCJ-2047	1	Armature Assy.
GAR-171	1	Snap Ring
GK-174	1	1/2 Plain Washer
SP-96	1	Ventilating Fan
X-156	1	1/2-20 Castellated Nut
X-258	1	#3 Woodruff Key
X-263	1	#8 Woodruff Key
X-404	1	3/32x1 Cotter Pin
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GAR-1096	1	Drive End Head Assy.
GAR-95	1	Felt Washer
GAR-96	1	Drive End Head
GX-9	1	D.E. Packing Retainer
GX-10	1	Gasket
X-196	3	#10 Lock Washer
6X-311	3	#10-32x3/8 Rd. Hd. Sc.
X-378	1	Ball Brg.-S.A.E. #204 Oil Seal

Miscellaneous Parts

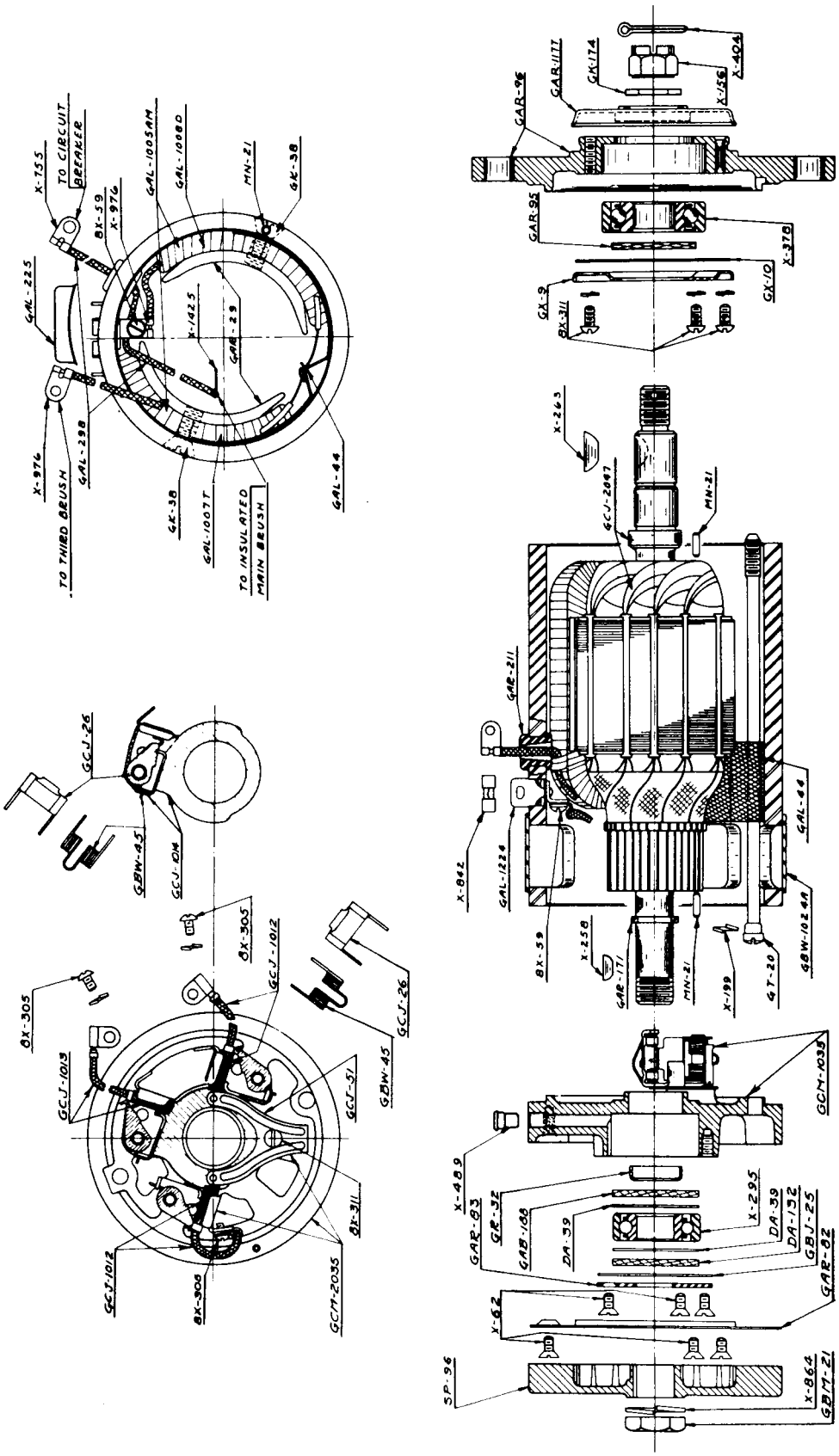
CB-4014	1	Circuit Breaker Assy.
CB-123	1	Armature Spring
CB-160S	1	C.B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Sc.
GBW-1024A	1	Head Band Assy.
X-196	2	#10 Lock Washer
8X-321	2	#10-32x5/16 Rd. Hd. Sc.
X-715	1	#10-32x1 1/4 Rd. Hd. Sc.
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 12-7-37)

‡ Service Brush Set GCJ-2012S.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCM-4808 GENERATOR ILLUSTRATION



Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAL-225	1	Fuse Cover
(GCM-2028)	1	Frame & Field Assy.
GAL-44	1	Field Connection Ins.
GAL-1005L	1	FIELD COIL ASSY.- COMP.
GAL-1007L	1	Field Coil Assy.-Left
GAL-289	1	C.B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GAL-1008D	1	Field Coil Assy.-Right
X-976	1	Terminal
GAL-1224	1	Fuse Holder
GAR-29	2	Pole Piece
GAR-211	1	Insulating Bushing
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-59	1	#8-32x3/16 Rd. Hd. Screw
X-195	1	#8 Lock Washer
GK-20	2	Frame Screw
X-199	2	1/4 Lock Washer
X-842	1	Fuse - 5 Amp.

Comm. End Plate Assy. & Parts Used With

(GCM-2002A)	1	Comm. End Plate Assy.
GAR-73	1	Oil Wick
GAR-98	1	Wick Cover
GBW-69	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GBW-1068B	1	Comm. End Cap Cover
GCJ-51	1	3rd Brush Plate Retaining Spring
GCJ-1012*	2	Brush - Main
GCJ-1013*	1	Brush - Third
GCJ-1014	1	3rd Brush Plate Assy.
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
GCM-1002C	1	C.E. Plate Part Assy.
GBF-79	1	ABSORBENT BRONZE BRG.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
X-195	5	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
8X-311	1	#10-32x3/8 Rd. Hd. Screw
8X-888	4	#8-32x5/16 Fill. Hd. Sc.
X-195	2	#8 Lock Washer
8X-305	2	#8-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GCJ-2006F	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GR-32	1	Felt Washer Retainer
SP-266	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assy. & Parts Used With

GAR-1198A	1	Drive End Head Assy.
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GAR-198A	1	Drive End Head
GG-164	2	Felt washer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	BALL BRG.- S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Sc.

Miscellaneous Parts

CB-4014	1	CIRCUIT BREAKER ASSY.
CB-123	1	Armature Spring
CB-160S	1	C.B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Screw
GBW-1024A	1	Head Band Assy.
X-196	2	#10 Lock Washer
8X-321	2	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

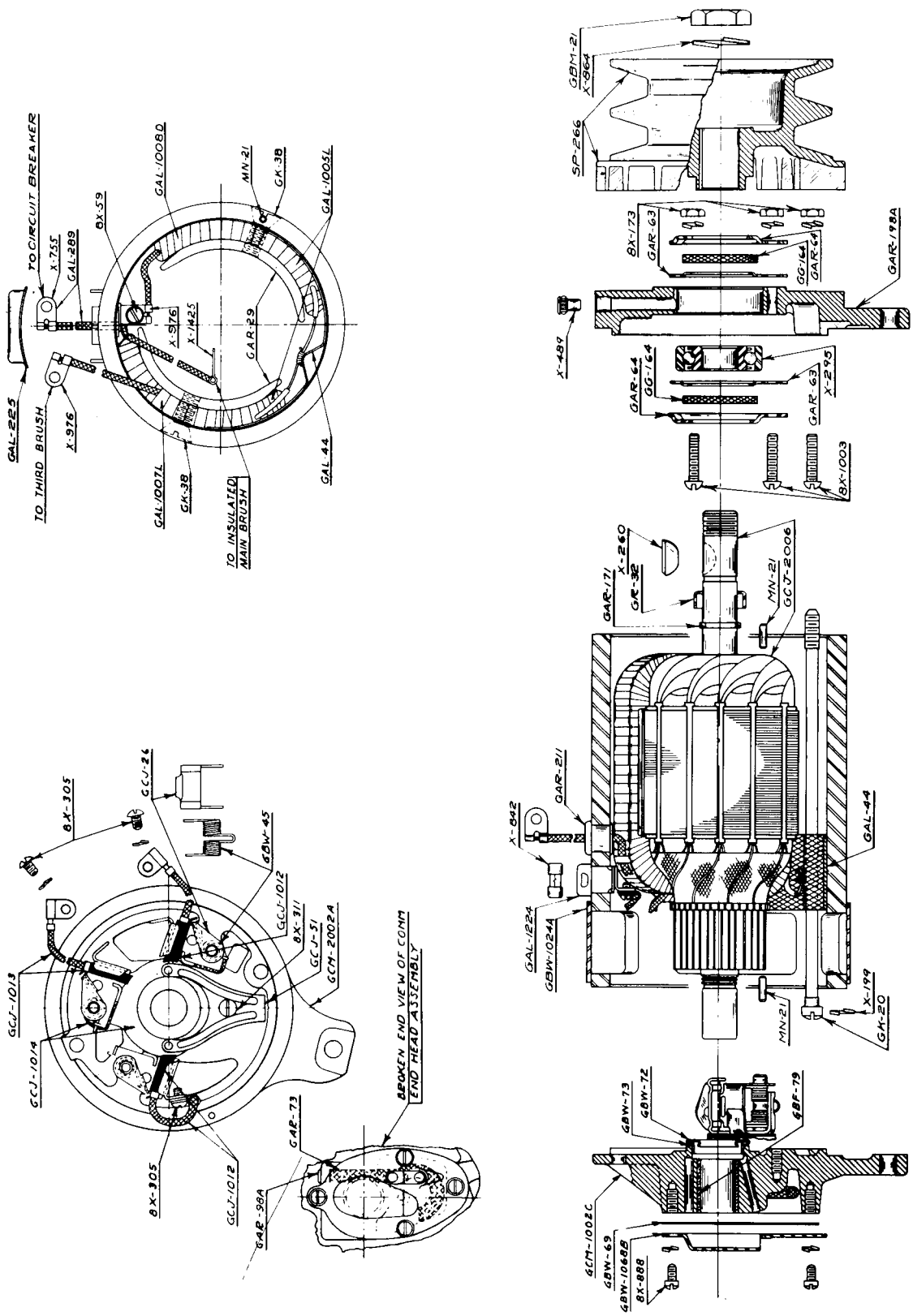
(Issued 5-23-39)

* Service BRUSH SET GDF-2012S.

UNIT	APPLICATION
GCM-4809A	White

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCM-4809A GENERATOR ILLUSTRATION



Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part 1 2 3 4 5
(GCM-2042)	1	Frame & Field Assy.
GAL-44	1	Field Connection Ins.
GAL-1005Z	1	Field Coil Assy.-Comp.
GAL-1007T	1	Field Coil Assy.-Left
GAL-298	1	C. B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GAL-1008F	1	Field Coil Assy.-Right
X-767	1	Terminal
GAR-29	2	Pole Piece
GAR-211	1	Ins. Bushing
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
GT-20	2	Frame Screw
X-199	2	1/4 Lock Washer

Comm. End Plate Assy. & Parts Used With

DA-39	2	Flat Oil Guard
DA-132	1	Felt Washer
GAB-188	1	Felt Washer
GAR-82	1	Air Deflector
GAR-83	1	Comm. End Cap Cover
GBJ-25	1	End Cap Cover Gasket
(GCM-2035)	1	Comm. End Plate Assy.
GCJ-51	1	3rd Brush Plate Retaining Spring
GCJ-1012‡	2	Brush - Main
GCJ-1013‡	1	Brush - Third
GCJ-1014	1	3rd Brush Plate Assy.
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
GCM-1035	1	Comm. End Plate Part Assy.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
8X-311	1	#10-32x3/8 Rd.Hd. Screw
GR-32	1	Felt Washer Retainer
X-62	6	#10-32x3/8 Flat Hd. Screw
X-195	2	#8 Lock Washer
X-295	1	Ball Brg.-S.A.E. #203
X-305	2	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part 1 2 3 4 5
GAR-1177	1	Oil Thrower Assembly
GBM-21	1	Armature Shaft Nut
GCJ-2047	1	Armature Assy.
GAR-171	1	Snap Ring
GK-174	1	1/2 Plain Washer
SP-96	1	Ventilating Fan
X-156	1	1/2-20 Castellated Nut
X-258	1	#3 Woodruff Key
X-263	1	#8 Woodruff Key
X-404	1	3/32x1 Cotter Pin
X-864	1	.669 Lock Washer

Drive End Head Assy. & Parts Used With

GAR-1096	1	Drive End Head Assy.
GAR-95	1	Felt Washer
GAR-96	1	Drive End Head
GX-9	1	D.E.Packing Retainer
GX-10	1	Gasket
X-196	3	#10 Lock Washer
6X-311	3	#10-32x3/8 Rd. Hd. Screw
X-378	1	Ball Brg.-S.A.E. #204 Oil Seal

Miscellaneous

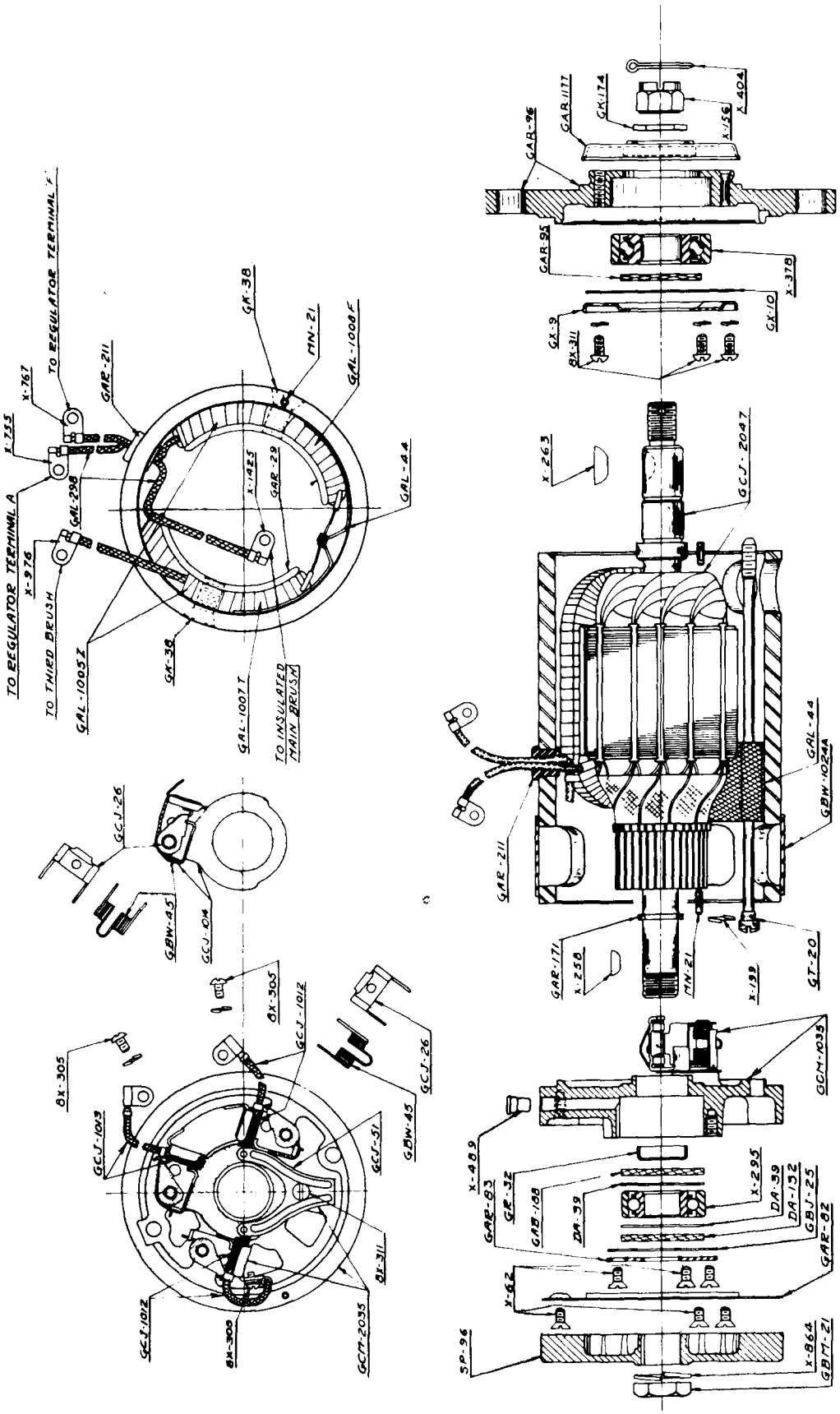
GBW-1024A	1	Head Band Assy.
TC-4302A	1	Two Charge Regulator
X-196	4	#10 Lock Washer
8X-321	4	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut 1 2 3 4 5

(Issued 10-22-37)

‡ Service Brush Set GCJ-2012S

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCM-4810 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAL-225	1	Fuse Cover
(GCM-2039)	1	Frame & Field Assy.
GAL-44	1	Field Connection Ins.
GAL-1005L	1	Field Coil Assy. - Comp.
GAL-1007L	1	Field Coil Assy. - Left
GAL-289	1	C.B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GAL-1008D	1	Field Coil Assy. - Right
X-976	1	Terminal
GAL-1224	1	Fuse Holder
GAR-29	2	Pole Piece
GAR-211	1	Ins. Bushing
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-59	1	#8-32x3/16 Rd. Hd. Sc.
X-195	1	#8 Lock Washer
GT-20	2	Frame Screw
X-199	2	1/4 Lock Washer
X-842	1	Fuse - 5 Ampere

Comm. End Plate Assembly & Parts Used With

DA-39	2	Flat Oil Guard
DA-132	1	Felt Washer
GAB-188	1	Felt Washer
GAR-82	1	Air Deflector
GAR-83	1	Comm. End Cap Cover
GBJ-25	1	End Cap Cover Gasket
(GCM-2035)	1	Comm. End Plate Assy.
GCJ-51	1	3rd Brush Plate Retain'g Spring
GCJ-1012‡	2	Brush - Main
GCJ-1013‡	1	Brush - Third
GCJ-1014	1	3rd Brush Plate Assy.
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
GCM-1035	1	Comm. End Plate Part Assy.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
8X-311	1	#10-32x3/8 Rd. Hd. Screw
GR-32	1	Felt Washer Retainer
X-62	6	#10-32x3/8 Flat Hd. Screw
X-195	2	#8 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
8X-305	2	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DG-1144	1	Oil Thrower
GBM-21	1	Armature Shaft Nut
GCJ-2048	1	Armature Assembly
GAR-171	1	Snap Ring
SP-96	1	Ventilating Fan
X-157	1	1/2-20 Slotted Nut
X-258	1	#3 Woodruff Key
X-263	1	#8 Woodruff Key
X-358	1	1/2 Plain Steel Washer
X-404	1	3/32x1 Cotter Pin
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GAR-1192	1	Drive End Head Assy.
GAE-47	1	Bearing Retainer
GAR-192	1	Drive End Head
8X-66	3	#10-32x1/2 Flat Hd. Sc.
X-378	1	Ball Brg. - Oil Seal

Miscellaneous Parts

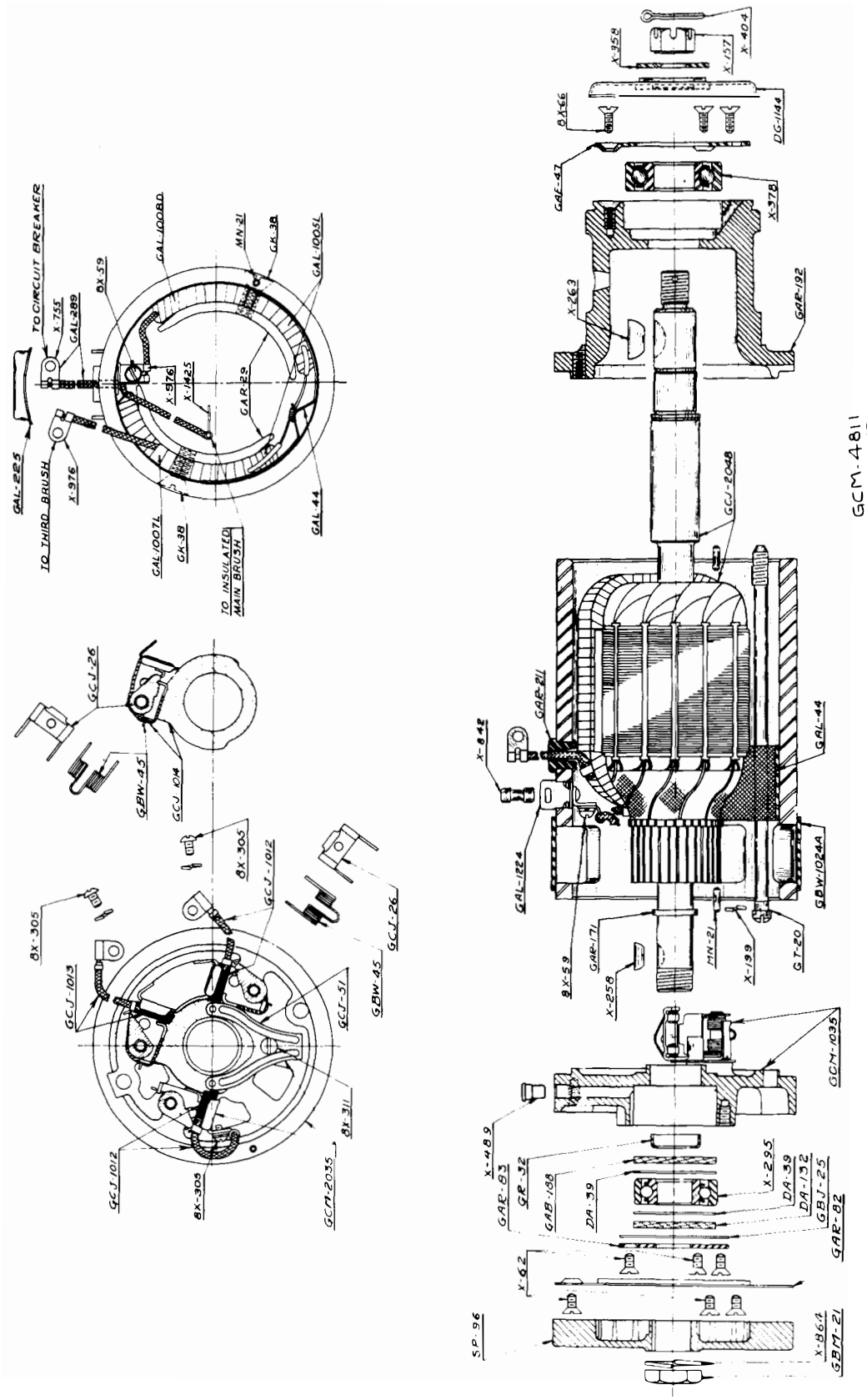
CB-4014	1	Circuit Breaker Assy.
CB-123	1	Armature Spring
CB-160	1	C.B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Screw
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Screw
GBW-1024A	1	Head Band Assembly
X-196	2	#10 Lock Washer
8X-321	2	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 10-22-37)

‡ Service Brush Set GCJ-2012S.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCM-4811 GENERATOR ILLUSTRATION



Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAL-225	1	Fuse Cover
(GCM-2046)	1	Frame & Field Assy.
GAG-125S	1	Mounting Bracket
GAL-44	1	Field Connection Ins.
GAL-1005L	1	FIELD COIL ASSY.- COMP.
GAL-1007L	1	Field Coil Assy.-Left
GAL-289	1	C.B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GAL-1008D	1	Field Coil Assy.-Right
X-976	1	Terminal
GAL-1224	1	Fuse Holder
GAR-29	2	Pole Piece
GAR-211	1	Insulating Bushing
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-59	1	#8-32x3/16 Rd. Hd. Sc.
X-113	2	5/16-24x5/8 Hex. Hd. Sc.
X-195	1	#8 Lock Washer
X-203	2	5/16 Lock Washer
GK-20	2	Frame Screw
X-199	2	1/4 Lock Washer
X-842	1	Fuse - 5 Amp.

Comm. End Plate Assy. & Parts Used With

DA-39	3	Flat Oil Guard
DA-70	1	Armature Shaft Nut
(GDB-2044)	1	Comm. End Plate Assy.
GAR-1014A	1	3rd Brush Plate Assy.
GBJ-1013*	1	Brush - Third
GCJ-51	1	3rd Brush Plate Retaining Spring
GCJ-1012*	2	Brush - Main
GCM-1044	1	C.E. Plate Part Assy.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
8X-311	1	#10-32x3/8 Rd. Hd. Screw
GR-32	1	Felt Washer Retainer
GR-35	1	Felt Washer
GR-73	1	Felt Washer
X-195	2	#8 Lock Washer
X-295	1	BALL BEARING - S.A.E. #203
8X-305	2	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type

Armature Assembly & Parts Used With

GCJ-2053	1	ARMATURE ASSEMBLY
GAR-171	2	Snap Ring
GCM-72	1	Armature Shaft Spacer
GJ-179	1	7/16 Plain Washer
X-160	1	7/16-20 Hex. Nut
X-205	1	7/16 Lock Washer
X-261A	1	#6 Woodruff Key
		1 2 3 4 5

Drive End Head Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAL-1063	1	Drive End Head Assy.
GAL-63	1	Drive End Head
GG-6	2	Felt Guard - With Oil Well
GG-164	1	Felt Washer
GK-176	1	Felt Washer Retainer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	BALL BRG.- S.A.E. #203
8X-316	3	#10-32x3/4 Rd. Hd. Sc.
X-489	1	1/4 Oiler - Press in Type

Dist. Mounting Housing & Parts Used With

GAG-58	1	Dist. Mounting Housing Clamp
GAG-101	1	Dist. Mounting Housing
GE-25	1	Dist. Gear - Driver
GG-133	1	Dist. Drive Rivet
8X-53	1	#8-32x5/8 Rd. Hd. Screw
8X-119	3	#10-32x1/2 Fill. Hd. Sc.
8X-141	1	#8-32 Hex. Nut
X-380	1	1/8 Grease Cup
X-489	1	1/4 Oiler - Press in Type
X-544	3	#10 Lock Washer

Miscellaneous Parts

CB-4012	1	CIRCUIT BREAKER ASSY.
CB-123	1	Armature Spring
CB-160S	1	C.B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Sc.
GBW-1024A	1	Head Band Assembly
X-196	2	#10 Lock Washer
8X-321	2	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

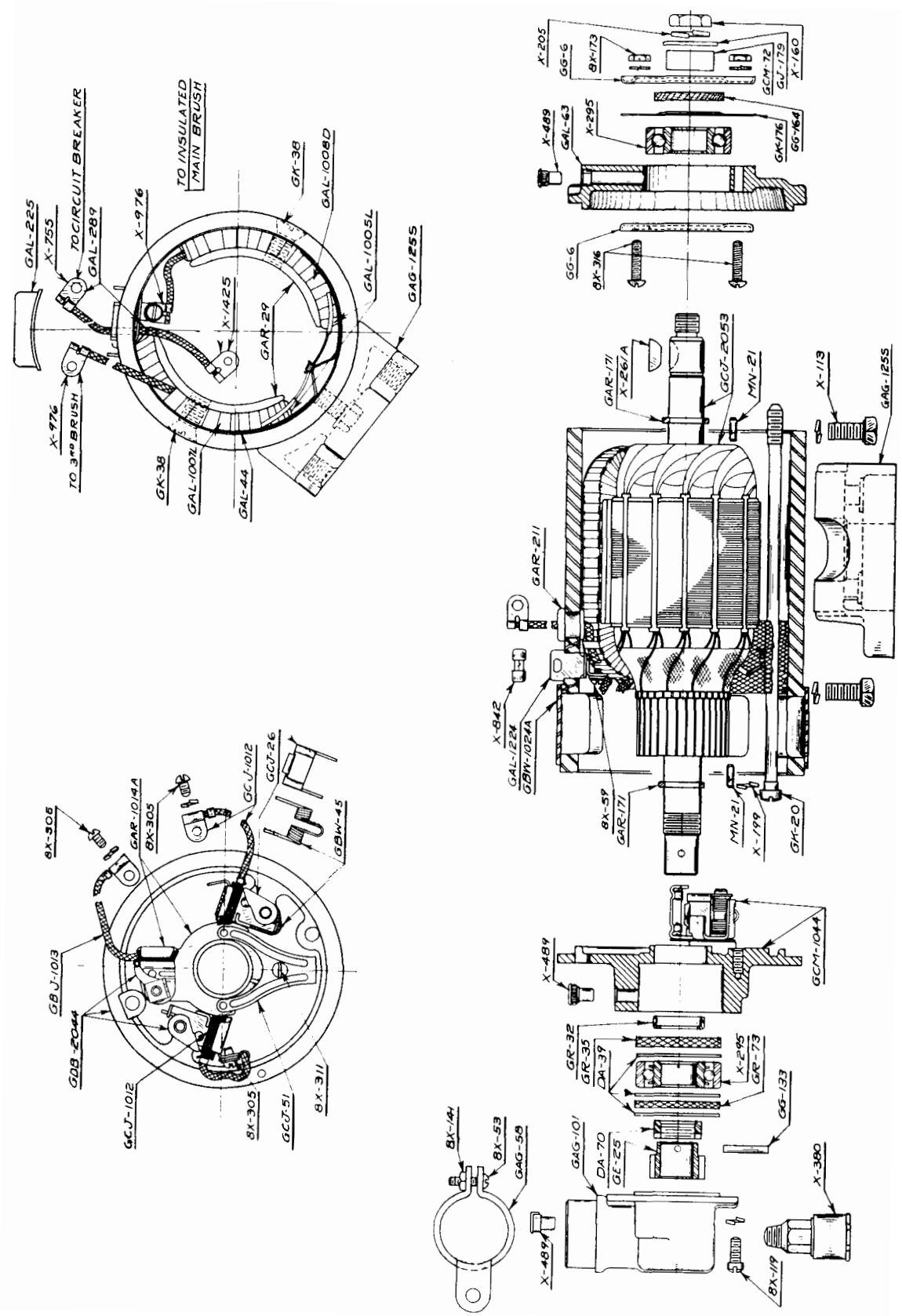
(Issued 5-23-39)

* Service BRUSH SET GDF-2012AS.

UNIT	APPLICATION
GCM-4812	Lycoming

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCM-4812 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAL-326	1	Mounting Bracket
(GCM-2050)	1	Frame & Field Assy.
CAL-44	1	Field Connection Ins.
CAL-1005AJ	1	Field Coil Assy.-Comp.
CAL-1007AF	1	Field Coil Assy.-Left
GAL-289	1	C.B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GAL-1008F	1	Field Coil Assy.-Right
X-767	1	Terminal
GAR-29	2	Pole Piece
GAR-211	1	Insulating Bushing
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
GK-20	2	Frame Screw
X-199	2	1/4 Lock Washer
X-201	4	3/8 Lock Washer
X-813	4	3/8-24x11/16 Hex. Hd. Screw

Comm. End Plate Assembly & Parts Used With

(GCM-2051)	1	Comm. End Plate Assy.
GAR-73	1	Oil Wick
GAR-98	1	Wick Cover
GBW-30A	1	C.E. Cap Cover
GBW-31	1	Gasket
GBW-32	1	Oil Guard
GCJ-51	1	3rd Brush Plate Retaining Spring
GCJ-1012‡	2	Brush - Main
GCJ-1013‡	1	Brush - Third
GCJ-1014	1	3rd Brush Plate Assy.
GEW-45	1	Brush Spring
GCJ-26	1	Brush Arm
GCM-1051A	1	Comm. End Plate Part Assy.
CBF-79	1	Absorbent Bronze Brg.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
X-195	5	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Sc.
8X-311	1	#10-32x3/8 Rd. Hd. Sc.
X-489	1	1/4 Oiler - Press in Type
8X-888	4	#8-32x5/16 Fill. Hd. Sc.
X-195	2	#8 Lock Washer
8X-305	2	#8-32x1/4 Rd. Hd. Sc.
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GCJ-2067	1	Armature Assy.
GAR-171	1	Snap Ring
GR-32	1	Felt Washer Retainer
SP-199	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GAR-1062B	1	Drive End Head Assy.
GAR-62A	1	Drive End Head
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-295	1	Ball Brg.-S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Sc.
X-1270	3	#10 Skpf. Washer

Miscellaneous Parts

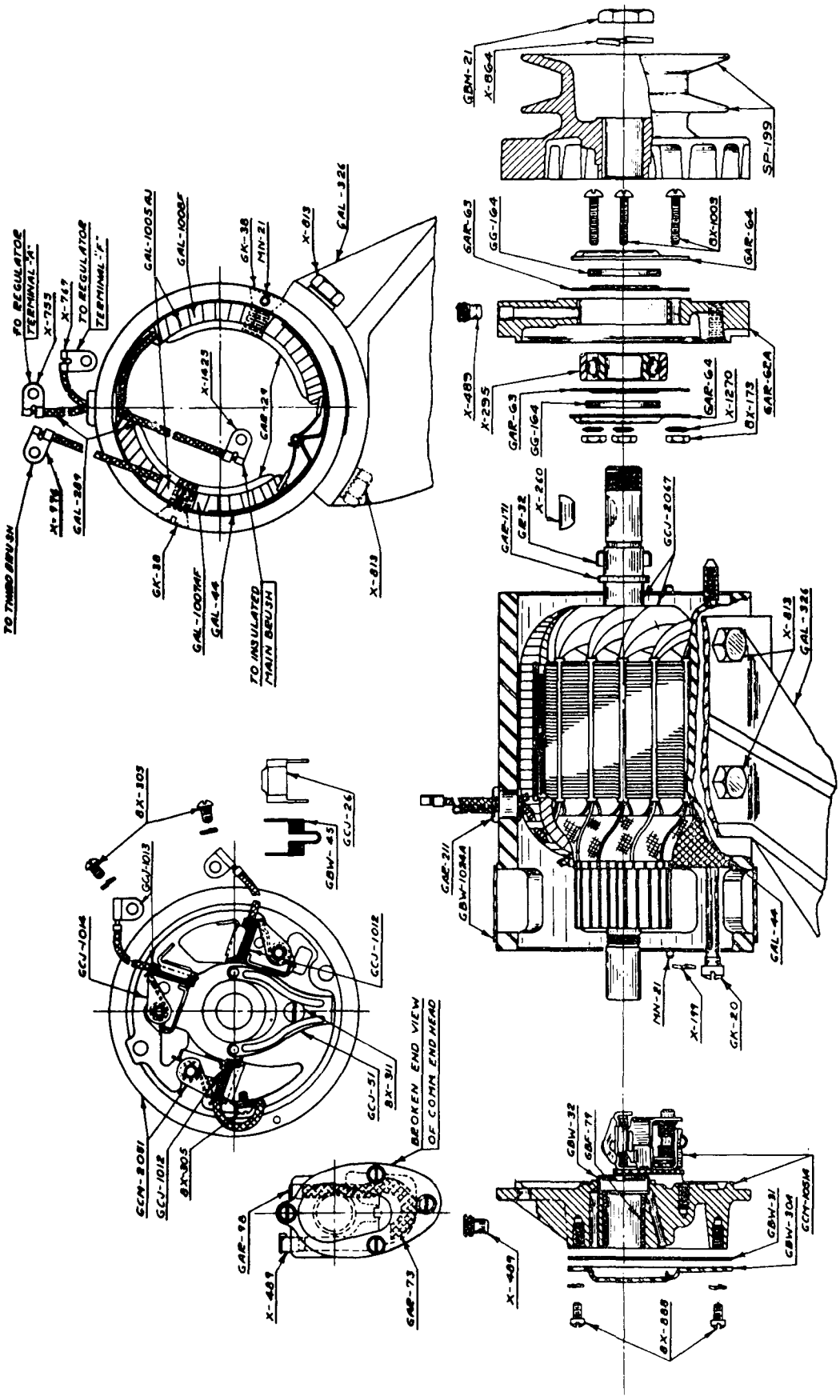
GBW-1024A	1	Head Band Assy.
TC-4302A	1	Two Charge Regulator & Circuit Breaker
X-196	4	#10 Lock Washer
8X-321	4	#10-32x5/16 Rd. Hd. Sc.
X-715	1	#10-32x1 1/4 Rd. Hd. Sc.
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 12-1-37)

‡ Service Brush Set GCJ-2012S.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCM-4815A GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCM-45	1	Mounting Bracket
(GCM-2052)	1	Frame & Field Assy.
GAL-44	1	Field Connection Ins.
GAL-1005AJ	1	Field Coil Assy. - Comp.
GAL-1007AF	1	Field Coil Assy.-Left
GAL-289	1	C.B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GAL-1008F	1	Field Coil Assy.-Right
X-767	1	Terminal
GAR-29	2	Pole Piece
GAR-211	1	Insulating Bushing
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
GK-20	2	Frame Screw
X-199	2	1/4 Lock Washer
X-402	2	1/16x3/4 Cotter Pin
8X-863A	2	5/16-24 Hex. Hd. Screw
X-1014	2	5/16 Lock Washer
8X-1061	2	5/16-24 Castellated Nut

Comm. End Plate Assembly & Parts Used With

(GCM-2002A)	1	Comm. End Plate Assy.
GAR-73	1	Oil Wick
GAR-98	1	Wick Cover
GBW-69	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GBW-1068A	1	Comm. End Cap Cover
GCJ-51	1	3rd Brush Plate Retaining Spring
GCJ-1014	1	3rd Brush Plate Assy.
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
GCM-1002C	1	Comm. End Plate Part Assy.
GBF-79	1	Absorbent Bronze Brg.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
GDF-1012‡	2	Brush - Main
GDF-1013‡	1	Brush - Third
X-195	5	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
8X-311	1	#10-32x3/8 Rd. Hd. Screw
8X-888	4	#8-32x5/16 Fill. Hd. Sc.
X-195	2	#8 Lock Washer
8X-305	2	#8-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GCJ-2006	1	Armature Assembly
GAR-171	1	Snap Ring
GR-32	1	Felt Washer Retainer
SP-322	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GBJ-1003	1	Drive End Head Assy.
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GBJ-3	1	Drive End Head
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Screw

Miscellaneous Parts

GBW-1024A	1	Head Band Assembly
TC-4302A	1	Two Charge Regulator & Circuit Breaker
X-196	4	#10 Lock Washer
8X-321	4	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 8/12/38)

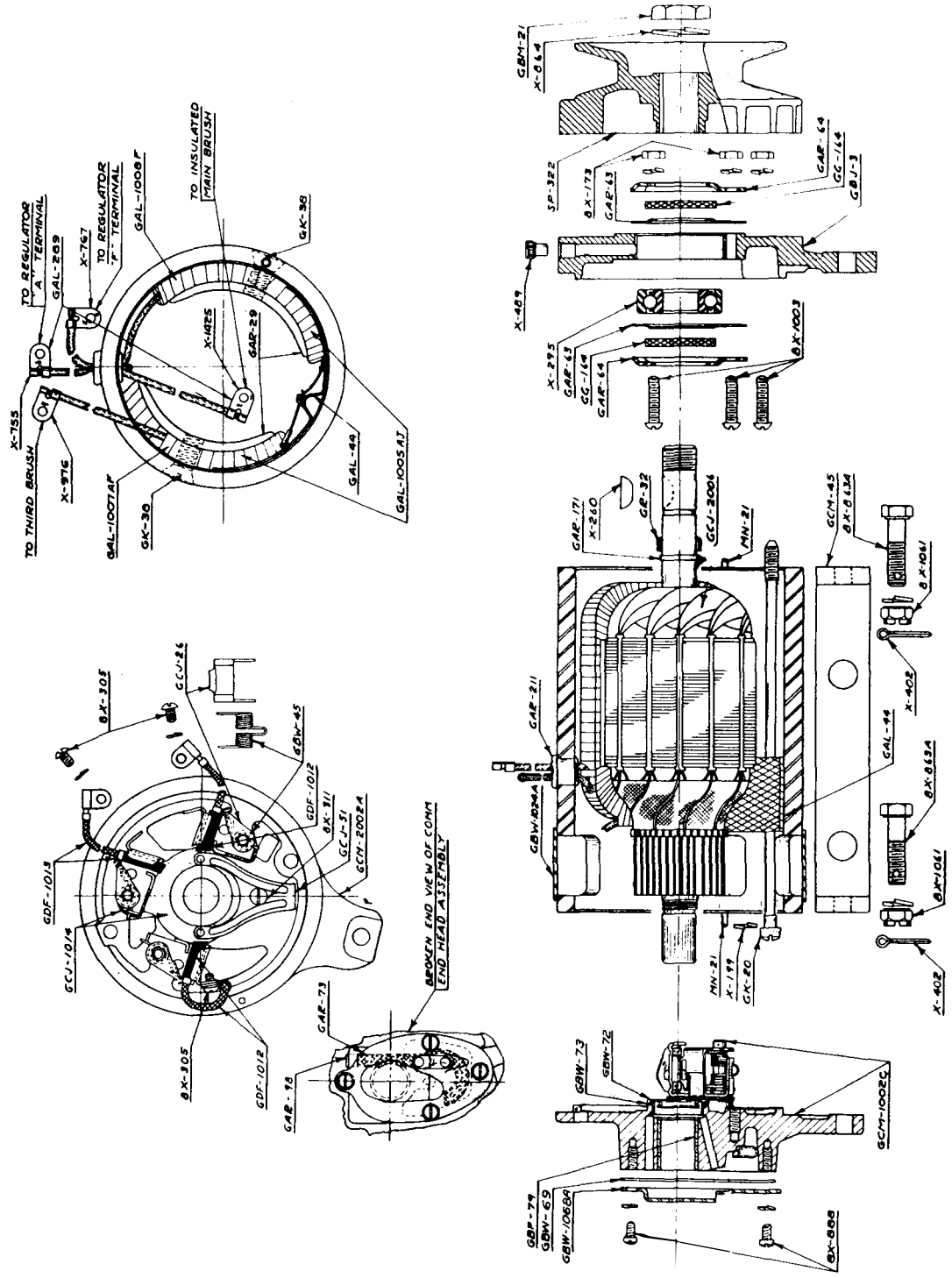
‡ Service Brush Set GDF-2012S.

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCM-4816A GENERATOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

PRELIMINARY

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAL-225	1	Fuse Cover
(GCM-2054)	1	Frame & Field Assembly
GAG-125S	1	Mounting Bracket
GAL-44	1	Field Connection Ins.
GAL-1005L	1	FIELD COIL ASSY.- Comp.
GAL-1007L	1	Field Coil Assy.-Left
GAL-289	1	C. B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GAL-1008D	1	Field Coil Assy.-Right
X-976	1	Terminal
GAL-1224	1	Fuse Holder
GAR-29	2	Pole Piece
GAR-211	1	Insulating Bushing
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-59	1	#8-32x3/16 Rd. Hd. Screw
X-113	2	5/16-24x5/8 Hex. Hd. Sc.
X-195	1	#8 Lock Washer
X-203	2	5/16 Lock Washer
GK-20	2	Frame Screw
X-199	2	1/4 Lock Washer
X-842	1	Fuse - 5 Amp.

Comm. End Plate Assembly & Parts Used With

DA-39	3	Flat Oil Guard
DA-70	1	Armature Shaft Nut
GAB-188	1	Felt Washer
(GDB-2044)	1	Comm. End Plate Assembly
GAR-1014A	1	Third Brush Plate Assy.
GBJ-1013†	1	Brush - Third
GCJ-51	1	3rd Brush Plate Retaining Spring
GCJ-1012†	2	Brush - Main
GCM-1044	1	C. E. Plate Part Assembly
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
8X-311	1	#10-32x3/8 Rd. Hd. Screw
GR-32	1	Felt Washer Retainer
GR-35	1	Felt Washer
8X-119	3	#10-32x1/2 Fill. Hd. Screw
X-195	2	#8 Lock Washer
X-295	1	BALL BEARING - S.A.E. #203
8X-305	2	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
X-544	3	#10 Lock Washer
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCJ-2053	1	ARMATURE ASSEMBLY
GAR-171	2	Snap Ring
GJ-104	1	Armature Shaft Spacer
GJ-179	1	7/16 Plain Washer
X-160	1	7/16-20 Hex. Nut
X-205	1	7/16 Lock Washer
X-261	1	#6 Woodruff Key

Drive End Head Assembly & Parts Used With

GAL-1063	1	Drive End Head Assembly
GAL-63	1	Drive End Head
GG-6	2	Felt Guard - With Oil Well
GG-164	1	Felt Washer
GK-176	1	Felt Washer Retainer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	BALL BRG.- S.A.E. #203
8X-316	3	#10-32x3/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type

Dist. Mounting Housing & Parts Used With

GAG-58	1	Dist. Mounting Housing Clamp
GAG-101	1	Dist. Mounting Housing
GE-19	1	Dist. Gear - Driver
GG-133	1	Dist. Drive Rivet
8X-53	1	#8-32x5/8 Rd. Hd. Screw
8X-141	1	#8-32 Hex. Nut
X-380	1	1/8 Grease Cup
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

CB-4014	1	CIRCUIT BREAKER ASSEMBLY
CB-123	1	Armature Spring
CB-160S	1	C. B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Screw
GBW-1024A	1	Head Band Assembly
X-196	2	#10 Lock Washer
8X-321	2	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 5-19-41)

† SERVICE BRUSH SET GDF-2012AS.

UNIT	APPLICATION
GCM-4818	Continental

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GCM-2055)	1	Frame & Field Assy.
GAG-125S	1	Bracket, Mounting, Generator
GAL-44	1	Insulation, Field Connection
GAL-1005AJ	1	Coil Assy., Field, Comp.
GAL-1007AF	1	Coil Assy., Field, Left
GAL-289	1	Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GAL-1008F	1	Coil Assy., Field, Right
X-767	1	Terminal
GAR-211	1	Bushing, Insulating
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
X-113	2	Screw, Hex. hd., 5/16-24x5/8
X-203	2	Washer, Lock, 5/16
GK-20A	2	Bolt, Thru
X-199	2	Washer, Lock, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

DA-22	1	Washer, Plain, Bearing Retaining
DA-39	1	Washer, Plain
DA-60	1	Screw, Retaining, C.E. Bearing
GAJ-79	1	Spacer, Bearing
GBJ-25	1	Gasket, C.E. Cover
GBJ-32A	1	Cover, C.E.
(GCM-2031)	1	Head Assy., Comm. End
GCJ-51	1	Spring, Retaining
GCJ-1012†	2	Brush, Main
GCJ-1013†	1	Brush, Third
GCJ-1014	1	Plate Assy., 3rd. Brush
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCM-1031	1	Head Assy., Partial, C.E.
GBW-45	2	Spring, Brush
GCJ-26	2	Arm, Brush
8X-311	1	Screw, Rd. hd., #10-32x3/8
GR-32	1	Retainer, Felt Washer
GR-35	1	Washer, Felt
X-195	3	Washer, Lock, Brush Lead, #8
X-199	1	Washer, Lock, Bearing Retaining Screw, 1/4
X-295	1	Bearing, Ball, S.A.E. #203
8X-305	3	Screw, Brush Lead, Rd. hd., #8-32x1/4
X-489	1	Oiler, Hinge Top, Press in, 1/4
X-544	3	Washer, Lock, Cover Holding Screw, #10
8X-870	3	Screw, Cover Holding, Fil. hd., #10-32x5/16
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCJ-2069	1	Armature Assy.
GAR-171	2	Snap Ring
GJ-179	1	Washer, Plain, Arm. Shaft
SP-96C	1	Fan, Ventilating
X-160	1	Nut, Armature Shaft, Hex., 7/16-20
X-205	1	Washer, Lock, Armature Shaft, 7/16
X-258	1	Key, Woodruff, #3
X-261	1	Key, Woodruff, #6

Drive End Head Assembly & Parts Used With

GAR-1062B	1	Head Assy., Drive End
GAR-62A	1	Head
GAR-63	2	Retainer, Felt Washer
GAR-64	2	Retainer, Bearing
GG-164	2	Washer, Felt
8X-173	3	Nut, Hex., #10-32
X-295	1	Bearing, Ball, S.A.E. #203
X-489	1	Oiler, Press in Type, 1/4
8X-1003	3	Screw, Rd. hd., #10-32x7/8
X-1270	3	Washer, Skpf., #10

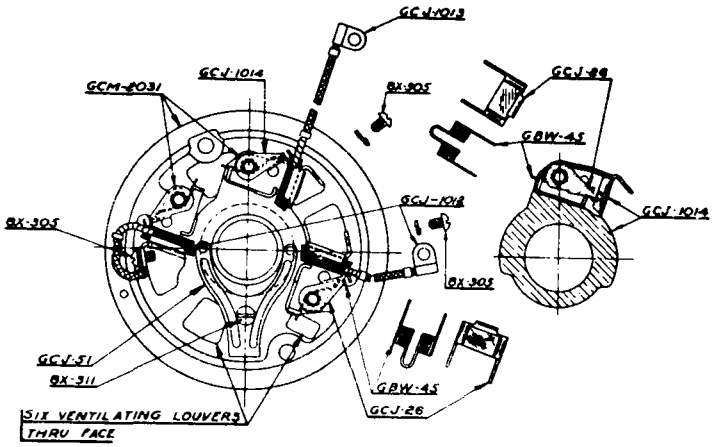
Miscellaneous Parts

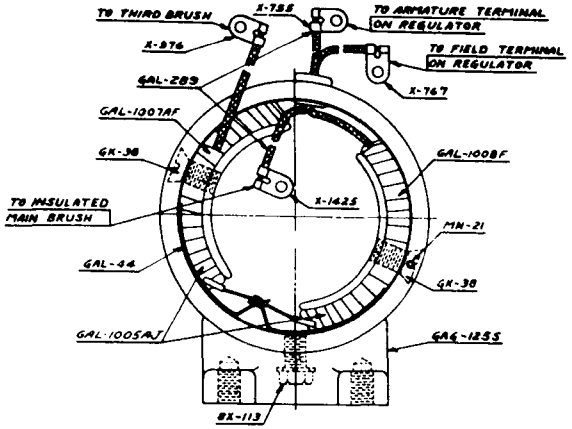
GCM-1024	1	Band, Head
TC-4302A	1	Regulator, Two Charge
X-196	4	Washer, Lock, Regulator Mtg., #10
8X-321	4	Screw, Mtg., Regulator, Rd. hd., #10-32x5/16
X-715	1	Screw, Cover Band, Rd. hd., #10-32x1 1/4
8X-794	1	Nut, Cover Band, Square, #10-32
		1 2 3 4 5

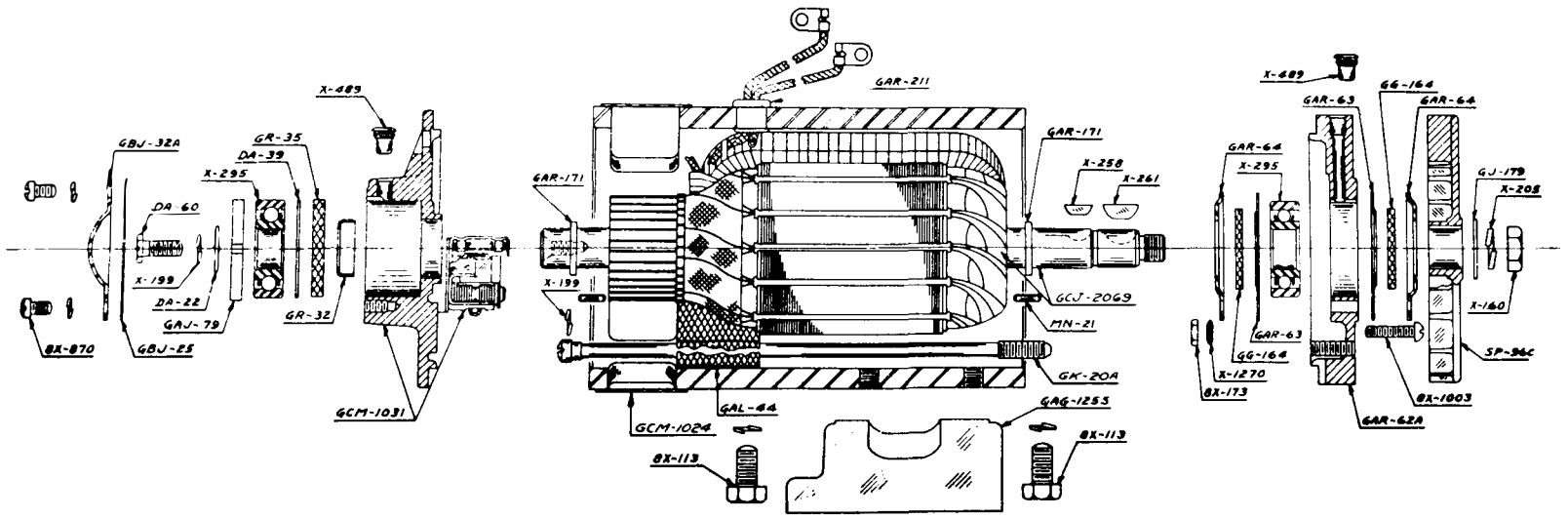
(Issued 1-9-45)

† Brush Set, Service, GCJ-2012S.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking su -parts the complete part can be assembled as needed."


GCJ-1013
GCM-6031
GCJ-1014
8X-305
GCJ-88
GBW-45
GCJ-1018
GCJ-1014
8X-305
8X-305
GCJ-51
8X-311
GBW-45
GCJ-26
SIX VENTILATING LOUVERS THRU FACE


TO THIRD BRUSH
X-376
X-755
TO ARMATURE TERMINAL ON REGULATOR
TO FIELD TERMINAL ON REGULATOR
X-767
GAL-289
GAL-1007AF
GK-38
GAL-1008F
TO INSULATED MAIN BRUSH
X-1425
MN-21
GAL-44
GK-38
GAL-1005AJ
GAG-1255
8X-113


X-489
GBJ-32A
GR-35
DA-39
X-295
DA-60
X-199
DA-22
GAJ-79
GR-32
8X-870
GBJ-25
GCM-1031
GAR-211
GAR-171
GAR-171
X-258
X-261
X-199
GCJ-2069
MN-21
GK-20A
GAL-44
GCM-1024
GAG-1255
8X-113
8X-113
X-489
GAR-63
GG-164
GAR-64
GAR-64
X-295
GJ-179
X-208
X-160
GAR-63
GG-164
X-1270
8X-173
SP-946
8X-1803
GAR-62A

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GCM-3059)	1	Frame & Field Assy.
GAL-44	1	Field Connection Ins.
GAL-2005N	1	Field Coil Assy. - Comp.
GAL-1007AM	1	Field Coil Assy.-Left
GAL-171	1	C.B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GAL-1008W	1	Field Coil Assy.-Right
X-959	1	Terminal
GAR-29	2	Pole Piece
GAR-211	1	Insulating Bushing
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-140	1	#6-32 Hex. Nut
X-194	1	#6 Lock Washer
8X-1008	1	#6-32x9/16 Rd. Hd. Sc.
GK-20	2	Frame Screw
X-199	2	1/4 Lock Washer

Comm. End Plate Assembly & Parts Used With

DA-39	2	Flat Oil Guard
DA-70	1	Armature Shaft Nut
DJ-10	1	End Cap Cover Gasket
GAG-53	1	Comm. End Cap Cover
(GDB-3048)	1	Comm. End Plate Assy.
GBM-1013A‡	1	Brush - Third
GCJ-51	1	3rd Brush Plate Retain'g Spring
GCM-1048	1	Comm. End Plate Part Assembly
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
GDB-1014L	1	3rd Brush Plate Assy.
GDF-1012‡	2	Brush - Main
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Sc.
8X-311	1	#10-32x3/8 Rd. Hd. Sc.
GR-32	1	Felt Washer Retainer
GR-35	2	Felt Washer
X-195	2	#8 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
8X-305	2	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Sc.
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCJ-2090	1	Armature Assembly
GAR-171	2	Snap Ring
GJ-104	1	Armature Shaft Spacer
GJ-179	1	7/16 Plain Washer
X-160	1	7/16-20 Hex. Nut
X-205	1	7/16 Lock Washer
X-261	2	#6 Woodruff Key

Drive End Head Assembly & Parts Used With

GCZ-1003A	1	Drive End Head Assy.
GCZ-3A	1	Drive End Head
GG-6	2	Bearing Retainer
GG-164	1	Felt Washer
GK-176	1	Felt Washer Retainer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
8X-316	3	#10-32x3/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

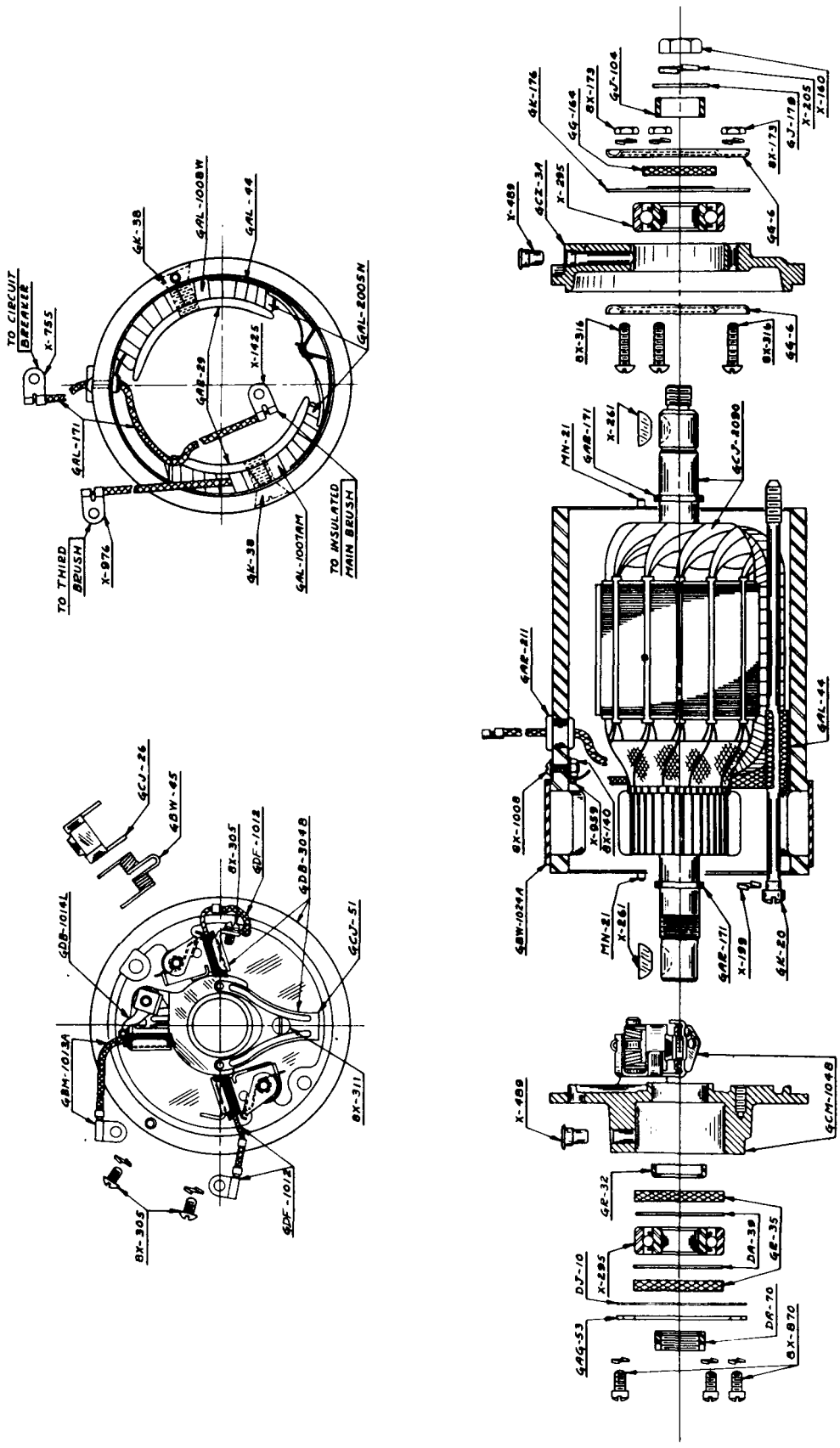
CB-4014	1	Circuit Breaker Assy.
CB-123	1	Armature Spring
CB-160	1	C.B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Sc.
GBW-1024A	1	Head Band Assembly
X-196	2	#10 Lock Washer
8X-321	2	#10-32x5/16 Rd. Hd. Screw
8X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 8/12/38)

‡ Service Brush Set GDF-2012AS.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCM-4820 GENERATOR ILLUSTRATION



Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GCM-2065)	1	Frame & Field Assembly
GAL-44	1	Field Connection Ins.
GAL-1005AN	1	FIELD COIL ASSY.- COMP.
GAL-1007L	1	Field Coil Assy.-Right
GAL-289	1	C. B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GAL-1008A	1	Field Coil Assy.-Right
X-959	1	Terminal
GAR-29	2	Pole Piece
GAR-211	1	Insulating Bushing
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-140	1	#6-32 Hex. Nut
X-194	1	#6 Lock Washer
8X-1008	1	#6-32x9/16 Rd. Hd. Screw
GK-20	2	Frame Screw
X-199	2	1/4 Lock Washer

Comm. End Plate Assy. & Parts Used With

DA-39	2	Flat Oil Guard
DJ-10	1	End Cap Cover Gasket
GAG-53	1	Comm. End Cap Cover
(GDB-2044)	1	Comm. End Plate Assembly
GAR-1014A	1	3rd Brush Plate Assy.
GBJ-1013‡	1	Brush - Third
GCJ-51	1	Third Brush Plate Retaining Spring
GCJ-1012‡	2	Brush - Main
GCM-1044	1	C. E. Plate Part Assy.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
8X-311	1	#10-32x3/8 Rd. Hd. Screw
GR-32	1	Felt Washer Retainer
GR-35	2	Felt Washer
X-195	2	#8 Lock Washer
X-295	1	BALL BEARING - S.A.E. #203
8X-305	2	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DA-70	1	Armature Shaft Nut
GCJ-2090	1	ARMATURE ASSEMBLY
GAR-171	2	Snap Ring
GJ-104	1	Armature Shaft Spacer
GJ-179	1	7/16 Plain Washer
X-160	1	7/16-20 Hex. Nut
X-205	1	7/16 Lock Washer
X-261	2	#6 Woodruff Key

Drive End Head Assy. & Parts Used With

GAL-1063B	1	Drive End Head Assembly
GAL-63A	1	Drive End Head
GG-6	2	Bearing Retainer
GG-164	1	Felt Washer
GK-176	1	Felt Washer Retainer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	BALL BRG. - S.A.E. #203
8X-316	3	#10-32x3/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

CB-4014	1	CIRCUIT BREAKER ASSEMBLY
CB-123	1	Armature Spring
CB-160S	1	C. B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Screw
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Screw
GBW-1024A	1	Head Band Assembly
X-196	2	#10 Lock Washer
8X-321	2	#10-32x5/16 Rd. Hd. Screw
8X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

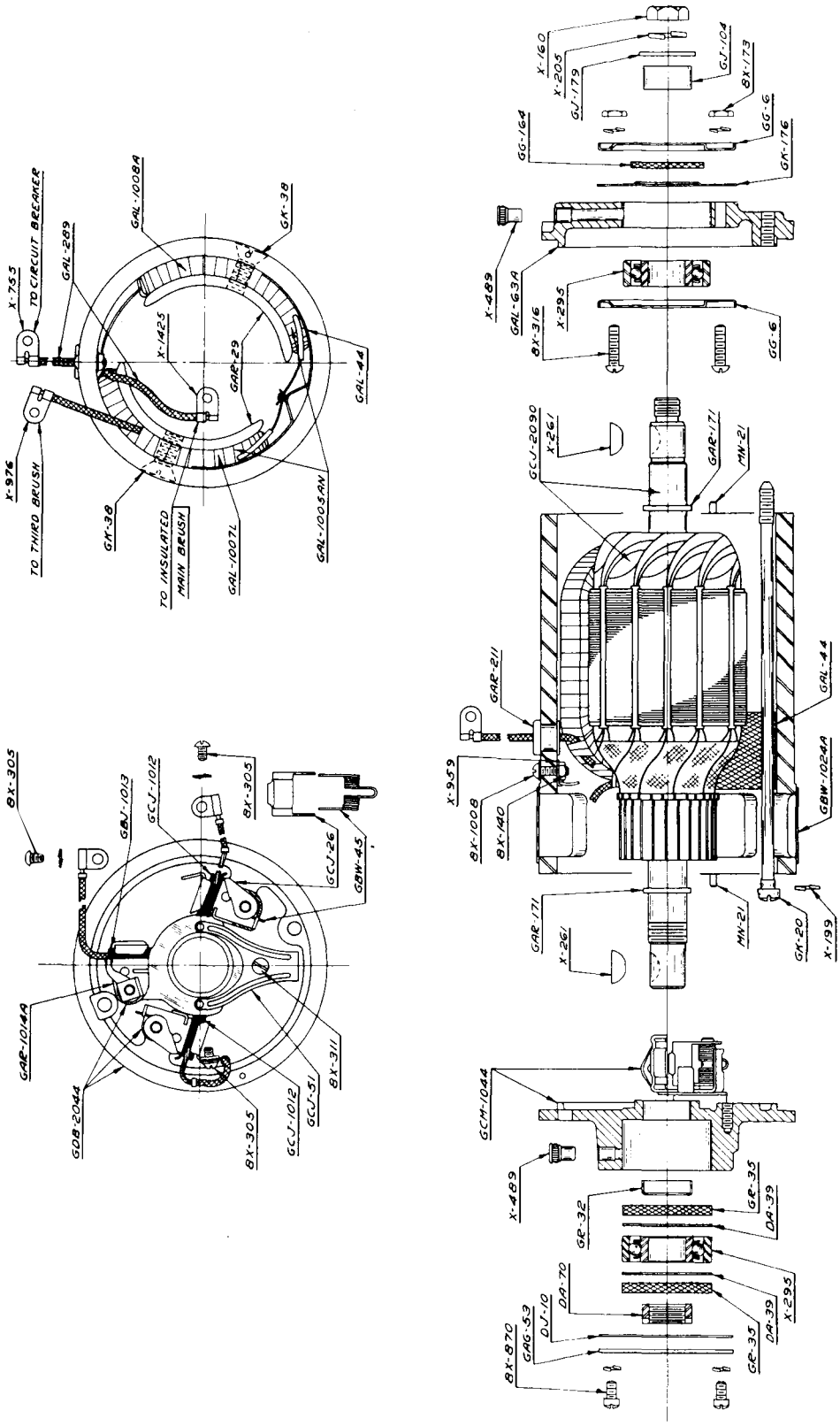
(Issued 9-8-39)

‡ Service BRUSH SET GDF-2012AS.

UNIT	APPLICATION
GCM-4821	Gray Marine

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCM-4821 GENERATOR ILLUSTRATION



Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GCM-2036)	1	Frame & Field Assembly
GAL-44	1	Field Connection Ins.
GAL-1005AJ	1	FIELD COIL ASSY.- COMP.
GAL-1007AF	1	Field Coil Assy.-Left
GAL-289	1	C. B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GAL-1008F	1	Field Coil Assy.-Right
X-767	1	Terminal
GAR-29	2	Pole Piece
GAR-211	1	Insulating Bushing
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
GT-20	2	Frame Screw
X-199	2	1/4 Lock Washer

Comm. End Plate Assy. & Parts Used With

DA-39	2	Flat Oil Guard
DA-132	1	Felt Washer
GAB-188	1	Felt Washer
GAR-82	1	Air Deflector
GAR-83	1	Comm. End Cap Cover
GBJ-25	1	End Cap Cover Gasket
(GCM-2035)	1	Comm. End Plate Assembly
GCJ-51	1	3rd Brush Plate Retaining Spring
GCJ-1012‡	2	Brush - Main
GCJ-1013‡	1	Brush - Third
GCJ-1014	1	3rd Brush Plate Assembly
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
GCM-1035	1	C. E. Plate Part Assy.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
8X-311	1	#10-32x3/8 Rd. Hd. Screw
GR-32	1	Felt Washer Retainer
X-62	6	#10-32x3/8 Flat Hd. Screw
X-195	2	#8 Lock Washer
X-295	1	BALL BEARING - S.A.E. #203
8X-305	2	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DG-1144	1	Oil Thrower
GBM-21	1	Armature Shaft Nut
GCJ-2048	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
SP-96	1	Ventilating Fan
X-157	1	1/2-20 Castellated Nut
X-258	1	#3 Woodruff Key
X-263	1	#8 Woodruff Key
X-358	1	1/2 Plain Steel Washer
X-404	1	3/32x1 Cotter Pin
X-864	1	.669 Lock Washer

Drive End Head Assy. & Parts Used With

GAR-1192	1	Drive End Head Assembly
GAE-47	1	Bearing Retainer
GAR-192	1	Drive End Head
8X-66	3	#10-32x1/2 Flat Hd. Screw
X-378	1	BALL BRG. - OIL SEAL

Miscellaneous Parts

GBW-1024A	1	Head Band Assembly
TC-4302A	1	TWO CHARGE REGULATOR
X-196	4	#10 Lock Washer
8X-321	4	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 9-8-39)

‡ Service BRUSH SET GDF-2012S.

UNIT	APPLICATION
GCM-4822	Garford Corp.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GCM-2036)	1	Frame & Field Assembly
GAL-44	1	Field Connection Ins.
GAL-1005AJ	1	FIELD COIL ASSY.- Comp.
GAL-1007AF	1	Field Coil Assy.-Left
GAL-289	1	C. B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GAL-1008F	1	Field Coil Assy.-Right
X-767	1	Terminal
GAR-29	2	Pole Piece
GAR-211	1	Insulating Bushing
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
GT-20	2	Frame Screw
X-199	2	1/4 Lock Washer

Comm. End Plate Assembly & Parts Used With

DA-39	2	Flat Oil Guard
DA-132	1	Felt Washer
GAB-188	1	Felt Washer
GAR-82	1	Air Deflector
GAR-83	1	Comm. End Cap Cover
GBJ-25	1	End Cap Cover Gasket
(GCM-2035)	1	Comm. End Plate Assembly
GCJ-51	1	3rd Brush Plate Retaining Spring
GCJ-1012‡	2	Brush - Main
GCJ-1013‡	1	Brush - Third
GCJ-1014	1	3rd Brush Plate Assembly
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
GCM-1035	1	C. E. Plate Part Assy.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
8X-311	1	#10-32x3/8 Rd. Hd. Screw
GR-32	1	Felt Washer Retainer
X-62	6	#10-32x3/8 Flat Hd. Screw
X-195	2	#8 Lock Washer
X-295	1	BALL BEARING - S.A.E. #203
8X-305	2	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DG-1144	1	Oil Thrower
GBM-21	1	Armature Shaft Nut
GCJ-2044	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
SP-96C	1	Ventilating Fan
X-258	2	#3 Woodruff Key
X-358	1	1/2 Plain Steel Washer
X-404	1	3/32x1 Cotter Pin
X-835	1	1/2-20 Slotted Nut
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GAR-1192	1	Drive End Head Assembly
GAE-47	1	Bearing Retainer
GAR-192	1	Drive End Head
8X-66	3	#10-32x1/2 Flat Hd. Sc.
X-378	1	BALL BRG.- Oil Seal

Miscellaneous Parts

GBW-1024A	1	Head Band Assembly
TC-4302A	1	TWO CHARGE REGULATOR
X-196	4	#10 Lock Washer
8X-321	4	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 9-30-41)

‡ SERVICE BRUSH SET GDF-2012S.

UNIT	APPLICATION
GCM-4823	Hercules, U. S. Motors

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAL-225	1	Cover, Fuse
(GCM-2039)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GAL-1005L	1	Coil Assy., Field, Comp.
GAL-1007L	1	Coil Assy., Field, Left
GAL-289	1	Lead Assy., C.B.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GAL-1008D	1	Coil Assy., Field, Right
X-976	1	Terminal
GAL-1224	1	Holder, Fuse
GAR-211	1	Bushing, Insulating
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
8X-59	1	Screw, Fuse Lead, Rd. Hd. #8-32x3/16
X-195	1	Lock Washer, Fuse Lead Screw, #8
GT-20A	2	Screw, Frame
X-199	2	Washer, Lock, Thru Bolt, 1/4
X-842	1	Fuse, 5 Amperes

Comm. End Head Assembly & Parts Used With

DA-39	2	Washer, Plain, Felt Retaining
DA-132	1	Washer, Felt, C.E. Outer
GAB-188	1	Washer, Felt, C.E. Inner
GAR-82	1	Deflector, Air
GAR-83A	1	Cover, Comm. End
GBJ-25	1	Gasket, C.E. Cover
(GCM-2035)	1	Head Assy., Comm. End
GCJ-51	1	Spring, Retaining, 3rd Brush Plate
GCJ-1012†	2	Brush, Main
GCJ-1013†	1	Brush, Third
GCJ-1014	1	Plate Assy., 3rd Brush
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCM-1035	1	Head Assy., Partial, C.E.
GBW-45	2	Spring, Brush
GCJ-26	2	Arm, Brush
8X-311	1	Screw, Spring Retaining, Rd. Hd., #10-32x3/8
8X-66	3	Screw, Air Deflector, Flat Hd., #10-32x1/2
X-195	3	Lock Washer, Brush Lead, #8
X-295	1	Bearing, Ball, SAE #203
8X-305	3	Screw, Brush Lead, Rd. Hd., #8-32x1/4
X-489	1	Oiler, Hinge Top, Press in, 1/4
8X-726	3	Screw, Attaching, C.E. Cover, Bdg. Hd., #10-32x7/16
X-1270	3	Washer, Skpf., C.E. Cover Sc., #10
X-1621	3	Washer, Skpf., Air Deflector Screw, #10
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAR-1177	1	Oil Thrower
GBM-21	1	Nut, Armature Shaft
GCJ-2047	1	Armature Assembly
GAR-171	1	Snap Ring
GK-174	1	Washer, Armature Shaft, Plain, 1/2
GR-32	1	Retainer, Felt Washer
SP-96C	1	Fan, Ventilating
X-156	1	Nut, Armature Shaft, Hex., Castellated, 1/2-20
X-258	1	Key, Woodruff, #3
X-263	1	Key, Woodruff, #8
X-404	1	Pin, Cotter
X-864	1	Lockwasher, Arm. Shaft

Drive End Head Assembly & Parts Used With

GAR-1096	1	Head Assy., Drive End
GAR-95	1	Washer, Felt
GAR-96	1	Head
GX-9	1	Retainer, Bearing
GX-10	1	Gasket
X-196	3	Lock Washer, Retainer Screw, #10
8X-311	3	Screw, Bearing Retainer, Rd. Hd., #10-32x3/8
X-378	1	Bearing, Ball, Shielded, SAE #204

Miscellaneous Parts

CB-4014	1	Relay Assy., Cutout
CB-123	1	Spring, Armature
CB-160S	1	Cover
PX-55	1	Screw, Arm. Term., Bdg. Hd., #10-32x3/16
X-196	2	Washer, Lock, Term. Sc., #10
8X-312	1	Screw, Bat. Term., Rd. Hd., #10-32x1/4
GBW-1024E	1	Band, Cover
X-196	2	Washer, Lock, Cutout Relay Mtg., #10
8X-321	2	Screw, Mtg., Cutout Relay, Rd. Hd. #10-32x5/16
X-715	1	Screw, Cover Band, Rd. Hd., #10-32x1 1/4
8X-794	1	Nut, Cover Band, Square, #10-32
		1 2 3 4 5

(Issued 5-10-45)

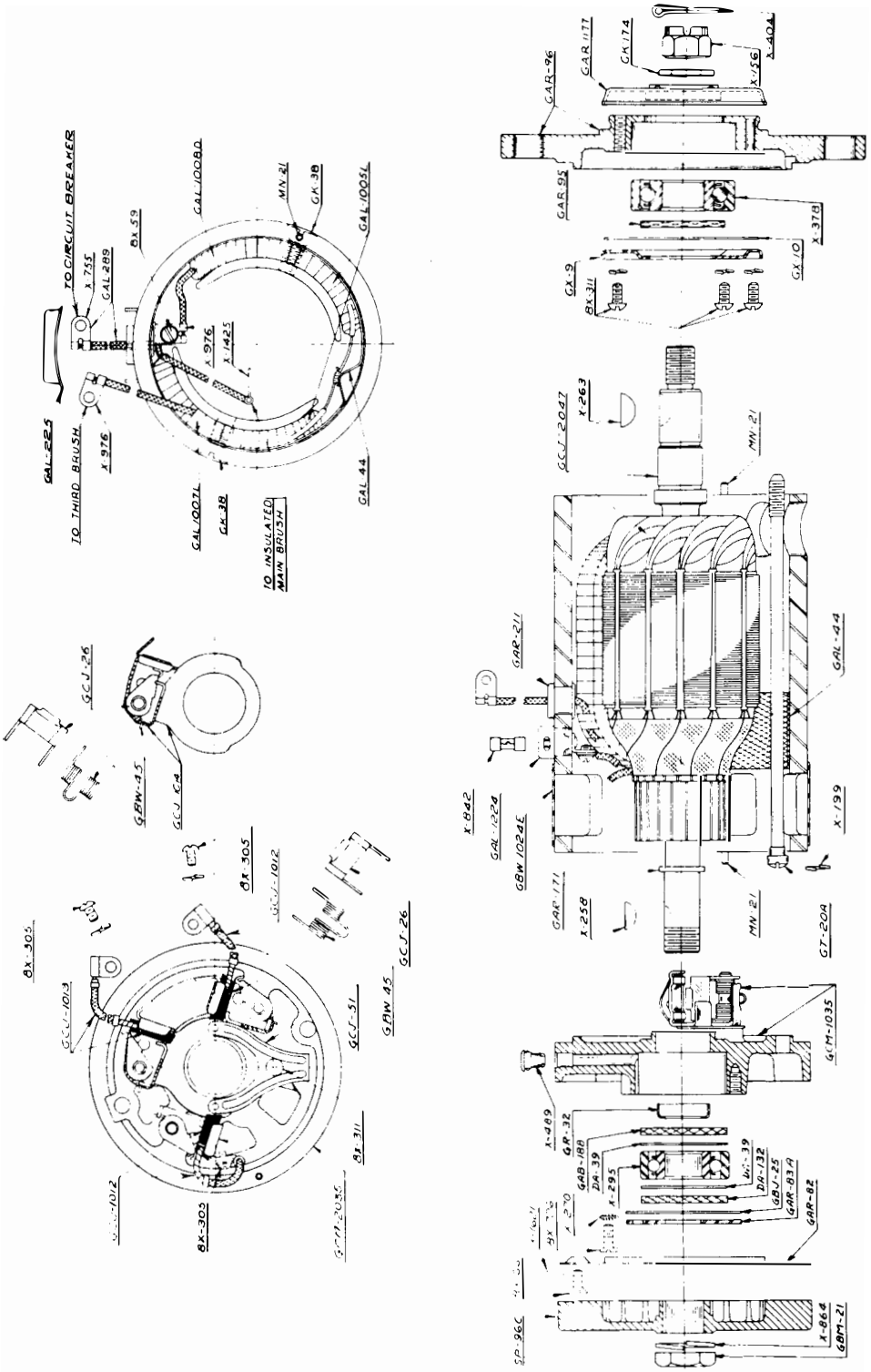
† Brush Set, Service GCJ-2012S.

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCM-4824-4 GENERATOR ILLUSTRATION



Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAL-225	1	Fuse Cover
(GCM-2032)	1	Frame & Field Assy.
GAL-44	1	Field Connection Ins.
GAL-1005AL	1	Field Coil Assy.-Comp.
GAL-1007AG	1	Field Coil Assy.-Left
GAL-171	1	C.B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GAL-1008D	1	Field Coil Assy.-Right
X-976	1	Terminal
GAL-1224	1	Fuse Holder
GAR-21	1	Aligning Dowel
GAR-29	2	Pole Piece
GAR-211	1	Insulating Bushing
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
X-59	1	#8-32x3/16 Rd. Hd. Screw
X-195	1	#8 Lock Washer
GK-20	2	Frame Screw
X-199	2	1/4 Lock Washer
X-842	1	Fuse - 5 Amp.

Comm. End Plate Assy. & Parts Used With

DA-39	2	Flat Oil Guard
DA-70	1	Armature Shaft Nut
GAR-83A	1	Comm. End Cap Cover
GBJ-25	1	End Cap Cover Gasket
(GCM-2031)	1	Comm. End Plate Assy.
GCJ-51	1	3rd Brush Plate Rtg. Spr.
GCJ-1012‡	2	Brush - Main
GCJ-1013‡	1	Brush - Third
GCJ-1014	1	3rd Brush Plate Assy.
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
GCM-1031	1	Comm. End Plate Part Assy.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
8X-311	1	#10-32x3/8 Rd. Hd. Screw
GR-32	1	Felt Washer Retainer
GR-35	2	Felt Washer
X-195	2	#8 Lock Washer
X-295	1	Ball Bearing - S.A.E. #203
8X-305	2	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Screw
		1 2 3 4 5

Armature Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCJ-2097	1	Armature Assy.
GAR-171	2	Snap Ring
GR-32	1	Felt Washer Retainer
SP-1285	1	Drive Pulley
X-161	1	1/2-20 Hex. Nut
X-264	1	#9 Woodruff Key
X-1500	1	1/2 Skpf. Washer

Drive End Head Assy. & Parts Used With

GAR-1062	1	Drive End Head Assy.
GAR-62	1	Drive End Head
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GG-164	2	Felt Washer
6X-173	3	#10-32 Hex. Nut
X-295	1	Ball Brg. - S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
6X-1003	3	#10-32x7/8 Rd. Hd. Screw
X-1270	3	#10 Skpf. Washer

Miscellaneous Parts

CB-4014	1	Circuit Breaker Assy.
CB-123	1	Armature Spring
CB-160S	1	C. B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Screw
GBW-1024A	1	Head Band Assy.
X-196	2	#10 Lock Washer
8X-321	2	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 10-18-38)

‡ Service Brush Set GDF-2012S.

"NOTE: Where part numbers are shown in parent esis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCM-4825A GENERATOR ILLUSTRATION

Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GCM-2076)	1	Frame & Field Assembly
GAL-44	1	Field Connection Ins.
GAL-1005AJ	1	FIELD COIL ASSY.- Comp.
GAL-1007AF	1	Field Coil Assy.- Left
GAL-289	1	C. B. Lead Assembly
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GAL-1008F	1	Field Coil Assy.-Right
X-767	1	Terminal
GAR-29	2	Pole Piece
GAR-211	1	Insulating Bushing
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
GT-20	2	Frame Screw
X-199	2	1/4 Lock Washer

Comm. End Plate Assy. & Parts Used With

DA-22	1	Bearing Retaining Washer
DA-39	1	Flat Oil Guard
DA-60	1	Bearing Retaining Screw
DJ-4	1	Comm. End Cap Cover
DJ-10	1	End Cap Cover Gasket
GAJ-79	1	Bearing Spacer
(GDB-2044)	1	Comm. End Plate Assembly
GAR-1014A	1	3rd Brush Plate Assy.
GBJ-1013‡	1	Brush - Third
GCJ-51	1	3rd Br. Plate Retaining Spring
GCJ-1012‡	2	Brush - Main
GCM-1044	1	C. E. Plate Part Assy.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
8X-311	1	#10-32x3/8 Rd. Hd. Sc.
GR-32	1	Felt Washer Retainer
GR-35	1	Felt Washer
X-195	2	#8 Lock Washer
X-199	1	1/4 Lock Washer
X-295	1	BALL BRG. - S.A.E. #203
8X-305	2	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Sc.
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAR-1177	1	Oil Thrower Assembly
GCJ-2098	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
X-157	1	1/2-20 Slotted Nut
X-263	1	#8 Woodruff Key
X-358	1	1/2 Plain Steel Washer
X-404	1	3/32x1 Cotter Pin

Drive End Head Assy. & Parts Used With

GAL-1330	1	Drive End Head Assembly
GAL-330	1	Drive End Head
GX-9	1	Bearing Retainer
GX-10	1	Gasket
X-196	3	#10 Lock Washer
8X-311	3	#10-32x3/8 Rd. Hd. Sc.
X-378	1	BALL BRG.- Oil Seal

Miscellaneous Parts

GBW-1024A	1	Head Band Assembly
TC-4302A	1	TWO CHARGE REGULATOR
X-196	4	#10 Lock Washer
8X-321	4	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

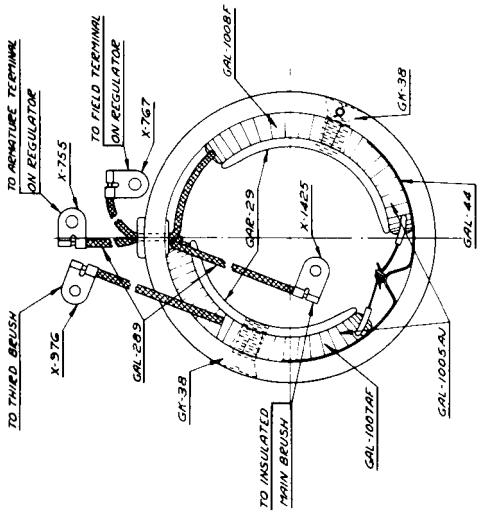
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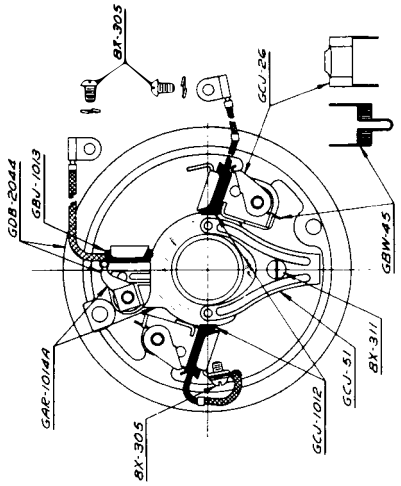
‡ Service BRUSH SET GDF-2012AS.

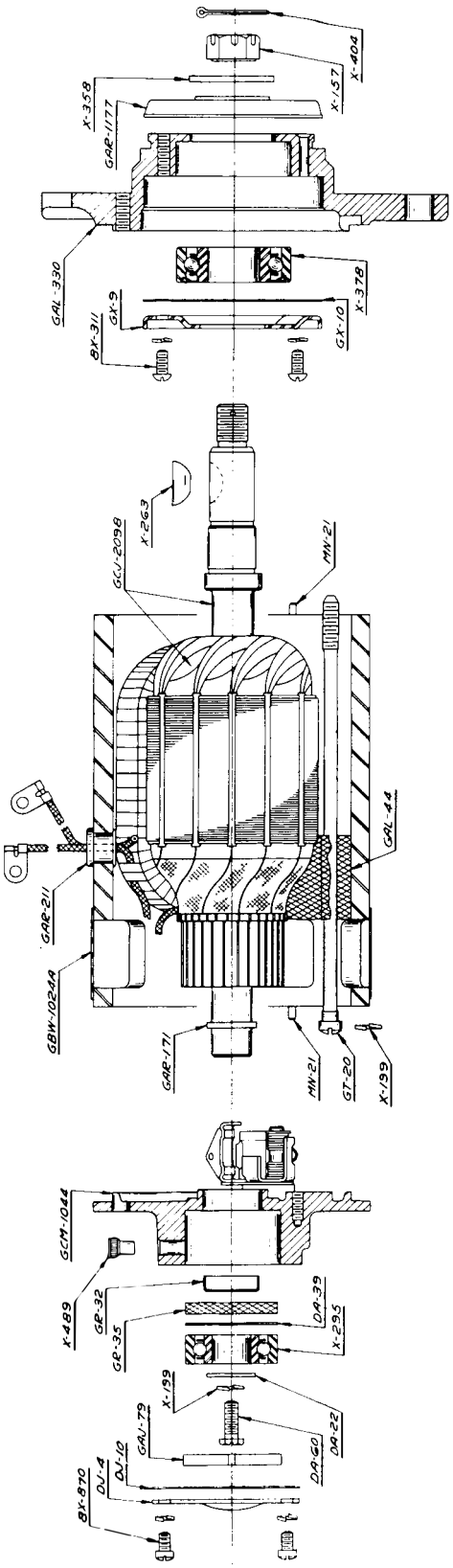
UNIT	APPLICATION
GCM-4827	Wisconsin

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCM-4827 GENERATOR ILLUSTRATION







Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCO-20	2	Frame Screw
(GCO-2001)	1	Frame & Field Assy.
GAA-32	1	Term. Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-40	1	Lead Assembly
GAA-27	1	Terminal Post
X-847	1	Terminal
GBW-58	1	Terminal Post
GBW-66	1	Terminal Post Bottom Ins.
GBW-67	1	Terminal Post Ins.
GCO-29A	2	Pole Piece
GCO-1005	1	Field Coil Assy. - Comp.
GCO-1007	1	Field Coil Assy. - Left
IG-821	1	Terminal
GCO-1008	1	Field Coil - Right
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
GK-38B	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	2	#10 Lock Washer
12X-199	2	1/4 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

(GBW-2002)	1	Comm. End Plate Assembly
GAR-73	1	Oil Wick
GAR-98A	1	Wick Cover
GBW-30	1	Comm. End Cap Cover
GBW-31	1	Gasket
GBW-32	1	Oil Guard
GBW-1002A	1	Comm. End Plate Part Assy.
GBF-79	1	Absorbent Bronze Brg.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
GBW-1012A‡	2	Brush - Main
12X-195	5	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
8X-888	4	#8-32x5/16 Fill. Hd. Sc.
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

* See table following parts list for part number applying to assembly wanted.

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GCO-2006F	1	Armature Assembly
GAR-171	1	Snap Ring
GR-32	1	Felt Washer Retainer
*	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GBJ-1003C	1	Drive End Head Assy.
GAR-63	2	Felt Guard
GAR-64	2	Brg. Retainer
GBJ-3C	1	D.E. Head
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Screw

Miscellaneous Parts

GBW-24B	1	Head Band
8X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 10-7-37)

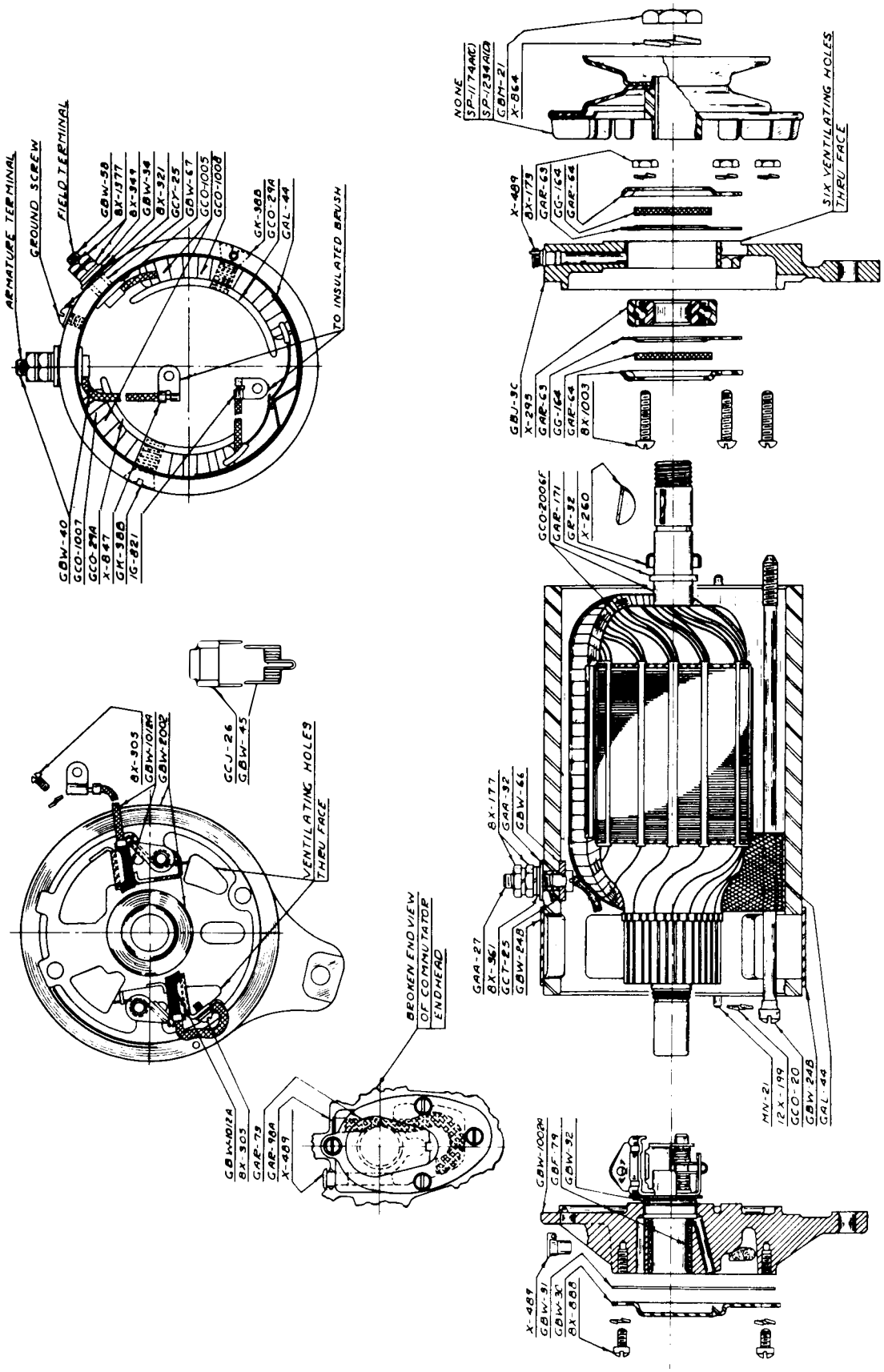
Assembly No.	Drive Pulley
GCO-4801	None
GCO-4801C	SP-1174A
GCO-4801D	SP-1234A

NOTE:- VRB-4004B Current-Voltage Regulator is used with but is not a part of this generator.

‡ Service Brush Set GBW-2012AS.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCO-4801,C,D GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCO-20A	2	Frame Screw
(GCO-2030)	1	Frame & Field Assy.
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GAR-21	1	Aligning Dowel
GBW-34	1	Insulating Washer
GBW-40	1	Lead Assy.
GAA-27	1	Terminal Post
X-847	1	Terminal
GBW-58	1	Terminal Post
GBW-66	1	Term. Post Bottom Ins.
GBW-67	1	Term. Post Insulation
GCO-29	2	Pole Piece
GCO-1005	1	Field Coil Assy.-Comp.
GCO-1007	1	Field Coil Assy.-Left
IG-821	1	Terminal
GCO-1008	1	Field Coil - Right
GCT-25	1	Insulating Bushing
CCY-25	1	Insulating Bushing
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	2	#10 Lock Washer
X-199	2	1/4 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

DA-39	2	Flat Oil Guard
GAB-188	2	Felt Washer
GAR-83A	1	Comm. End Cap Cover
GBJ-25	1	End Cap Cover Gasket
GBW-2049)	1	Comm. End Plate Assy.
GBW-45	2	Brush Spring
GBW-1012A‡	2	Brush - Main
GCJ-26	2	Brush Arm
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
GR-32	1	Felt Washer Retainer
X-195	1	#8 Lock Washer
X-295	1	Ball Bearing - S.A.E. #203
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
8X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
*	1	Armature Shaft Spacer
GCO-2031F	1	Armature Assy.
GAR-171	2	Snap Ring
GJ-320	1	Armature Shaft Nut
GR-32	1	Felt Washer Retainer
*	1	Drive Pulley
*	1	#9 Woodruff Key - Hardened
*	1	1/2-20 Hex. Nut
*	1	1/2 Skpf. Washer

Drive End Head Assembly & Parts Used With

GAR-1062	1	Drive End Head Assy.
GAR-62	1	Drive End Head
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-295	1	Ball Bearing - S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Screw
X-1270	3	#10 Skpf. Washer

Miscellaneous Parts

GBW-24	1	Head Band
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 10-21-37)

NOTE:- VRB-4010A Current-Voltage Regulator is used with but is not a part of this generator.

Assembly No.	Shaft Spacer	Drive Pulley	Woodruff Key	Hex. Nut	Skpf. Washer
GCO-4802	GAR-159	None	X-264B	None	None
GCO-4802A	GAR-159	SP-277	X-264B	X-161	X-1500
GCO-4802B	GAR-159	SP-278	X-264B	X-161	X-1500
GCO-4802C	None	SP-1285	X-264	X-161	X-1500

* See table following parts list for part number applying to assembly wanted.

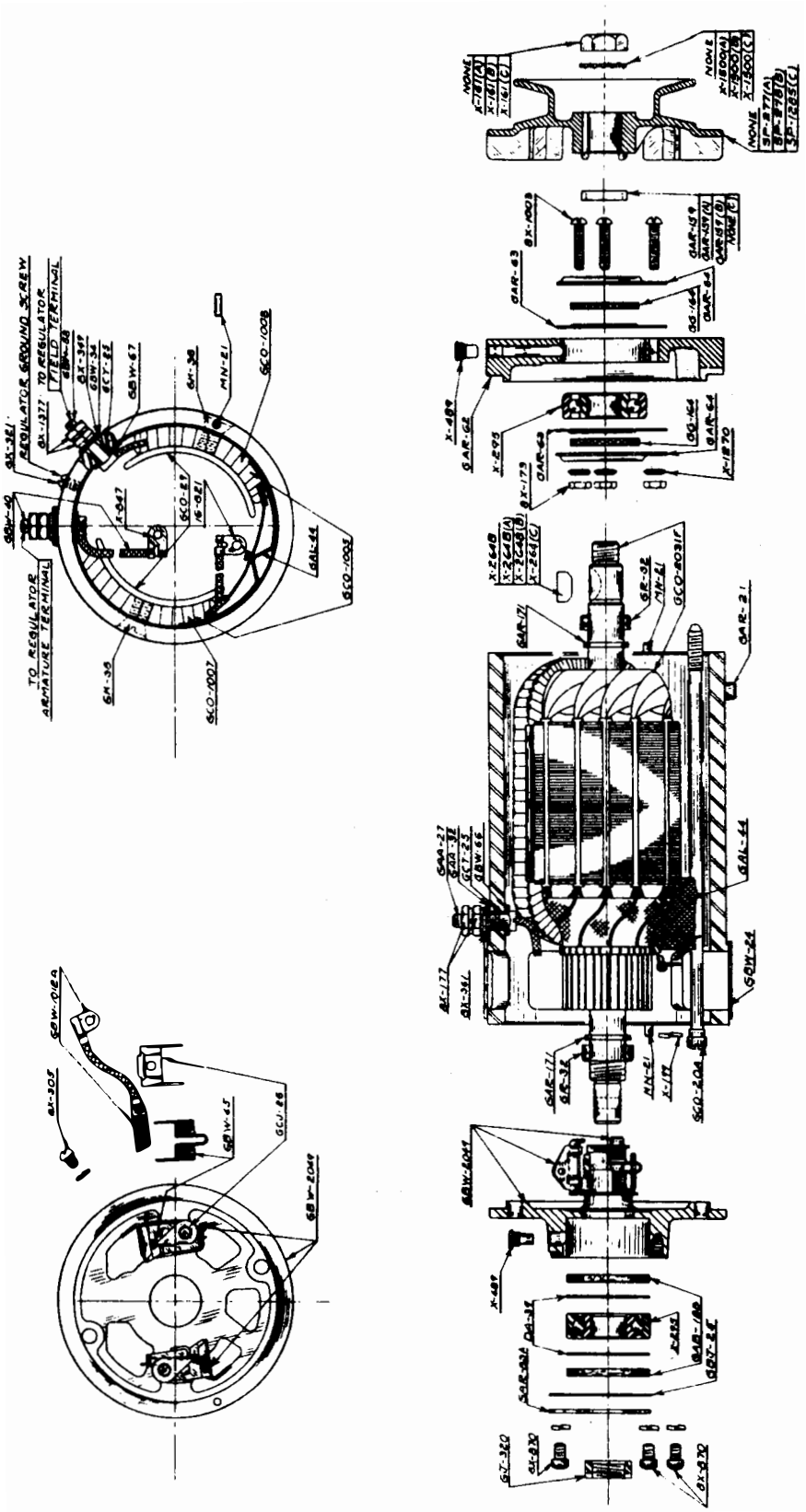
‡ Service Brush Set GBW-2012AS.

Printed in U. S. A.

File in Equipment & Parts Lists Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCO-4802,A,B,C GENERATOR ILLUSTRATION



Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part 1 2 3 4 5
GCO-20B	2	Frame Screw
(GCO-2001B)	1	Frame & Field Assy.
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-40	1	Lead Assy.
GAA-27	1	Terminal Post
X-847	1	Terminal
GBW-58	1	Terminal Post
GBW-66	1	Terminal Post Bottom Ins.
GBW-67	1	Terminal Post Bottom Ins.
GCO-29	2	Pole Piece
GCO-1005	1	Field Coil Assy. - Comp.
GCO-1007	1	Field Coil Assy. - Left
IG-821	1	Terminal
GCO-1008	1	Field Coil - Right
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
2X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	1	#10 Lock Washer
2X-349	1	#10 Plain Washer
2X-361	1	1/4 Plain Washer
2X-1377	1	#10-32 Hex. Nut
2X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	2	#10 Lock Washer
12X-199	2	1/4 Lock Washer
2X-321	1	#10-32x5/16 Rd. Hd. Screw
2X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assy. & Parts Used With

(GBW-2002B)	1	Comm. End Plate Assy.
GAR-73	1	Oil Wick
GAR-98B	1	Wick Cover
GBW-69	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GBW-1002C	1	Comm. End Plate Part Assy.
GBF-79	1	Absorbent Bronze Brg.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
GBW-1012A‡	2	Brush - Main
GBW-1068B	1	Comm. End Cap Cover
12X-195	5	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
2X-888	4	#8-32x5/16 Fill. Hd. Screw
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

Armature Assy. & Parts Used With

Part No.	No. Used	Name of Part 1 2 3 4 5
GBM-21A	1	Armature Shaft Nut
GCO-2006F	1	Armature Assy.
GAR-171	1	Snap Ring
GR-32	1	Felt Washer Retainer
SP-260	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assy. & Parts Used With

GAR-1198	1	Drive End Head Assy.
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GAR-198	1	Drive End Head
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Screw

Miscellaneous Parts

GBW-24C	1	Head Band Assy.
2X-715	1	#10-32x1 1/4 Rd. Hd. Screw
2X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 9-26-38)

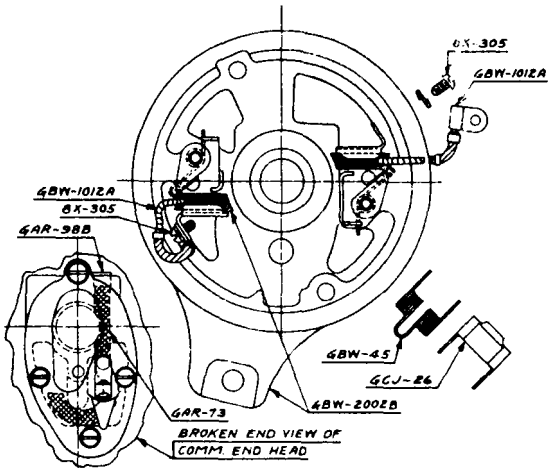
NOTE:- VRB-4008C Current-Voltage Regulator is used with but is not a part of this generator. Prior to 1939 production.

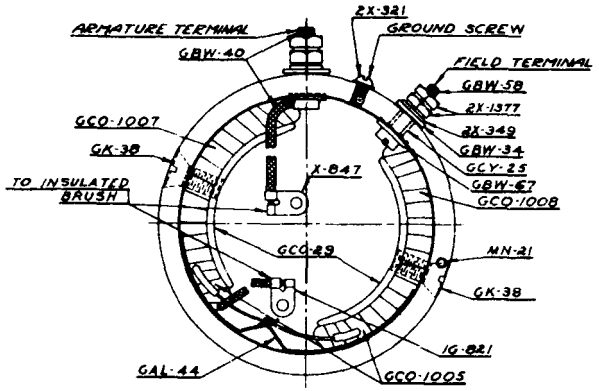
VRB-4012A Current-Voltage Regulator is used with but is not a part of this generator. For 1939 Production.

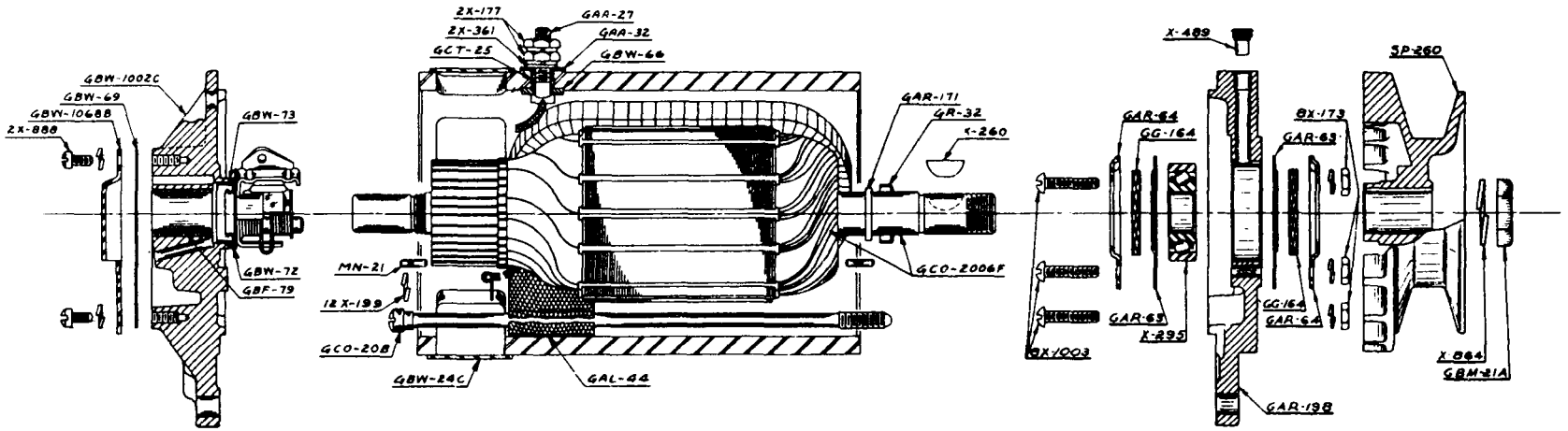
‡ Service Brush Set GBW-2012AS.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCO-4803A GENERATOR ILLUSTRATION







Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCO-20A	2	Frame Screw
(GCO-2001C)	1	Frame & Field Assy.
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-40	1	Lead Assembly
GAA-27	1	Terminal Post
X-847	1	Terminal
GBW-58	1	Terminal Post
GBW-66	1	Term. Post Bottom Ins.
GBW-67	1	Term. Post Bottom Ins.
GCO-29	2	Pole Piece
GCO-1005	1	FIELD COIL ASSY.- COMP.
GCO-1007	1	Field Coil Assy.-Left
IG-821	1	Terminal
GCO-1008	1	Field Coil - Right
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
5X-1377	1	#10-32 Hex. Nut
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	2	#10 Lock Washer
X-199	2	1/4 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
5X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assy. & Parts Used With

(GBW-2063)	1	Comm. End Plate Assy.
GAR-73	1	Oil Wick
GAR-98	1	Wick Cover
GBW-69	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GBW-1012A*	2	Brush - Main
GBW-1063A	1	C.E. Plate Part Assy.
GBF-79	1	ABSORBENT BRONZE BRG.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
GBW-1068B	1	Comm. End Cap Cover
X-195	5	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-888	4	#8-32x5/16 Fill. Hd. Sc.
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GCO-2006F	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GR-32	1	Felt Washer Retainer
SP-263	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assy. & Parts Used With

GAR-1076	1	Drive End Head Assy.
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GAR-76	1	Drive End Head
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	BALL BRG.- S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Sc.

Miscellaneous Parts

GBW-24	1	Head Band
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 5-23-39)

* Service BRUSH SET GBW-2012AS.

NOTE:- VRB-4008C Current-Voltage Regulator is used with but is not a part of this generator.

UNIT	APPLICATION
GCO-4804A	Auburn

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCO-4804A GENERATOR ILLUSTRATION

Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCO-20B	2	Frame Screw
(GCO-2001B)	1	Frame & Field Assy.
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-40	1	Lead Assy.
GAA-27	1	Terminal Post
X-847	1	Terminal
GBW-58	1	Terminal Post
GBW-66	1	Terminal Post Bottom Ins.
GBW-67	1	Terminal Post Bottom Ins.
GCO-29	2	Pole Piece
GCO-1005	1	Field Coil Assy. - Comp.
GCO-1007	1	Field Coil Assy.-Left
IG-821	1	Terminal
GCO-1008	1	Field Coil - Right
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
2X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	1	#10 Lock Washer
2X-349	1	#10 Plain Washer
2X-361	1	1/4 Plain Washer
2X-1377	1	#10-32 Hex. Nut
2X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	2	#10 Lock Washer
12X-199	2	1/4 Lock Washer
2X-321	1	#10-32x5/16 Rd. Hd. Screw
2X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assy. & Parts Used With

(GBW-2002D)	1	Comm. End Plate Assy.
GAR-73	1	Oil Wick
GAR-98B	1	Wick Cover
GBW-30B	1	Comm. End Cap Cover
GBW-31	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GHW-1002G	1	Comm. End Plate Part Assy.
GBF-79	1	Absorbent Bronze Brg.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
GBW-1012A‡	2	Brush - Main
12X-195	5	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
2X-888	4	#8-32x5/16 Fill. Hd. Screw
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw.
		1 2 3 4 5

Armature Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21A	1	Armature Shaft Nut
GCO-2047F	1	Armature Assy.
GAR-171	1	Snap Ring
GCJ-93	1	Clutch
GR-32	1	Felt Washer Retainer
SP-260	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assy. & Parts Used With

GAR-1198	1	Drive End Head Assy;
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GAR-198	1	Drive End Head
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Screw

Miscellaneous Parts

GBW-24C	1	Head Band Assy.
2X-715	1	#10-32x1 1/4 Rd. Hd. Screw
2X-794	1	#10-32 Square Nut
		1 2 3 4 5

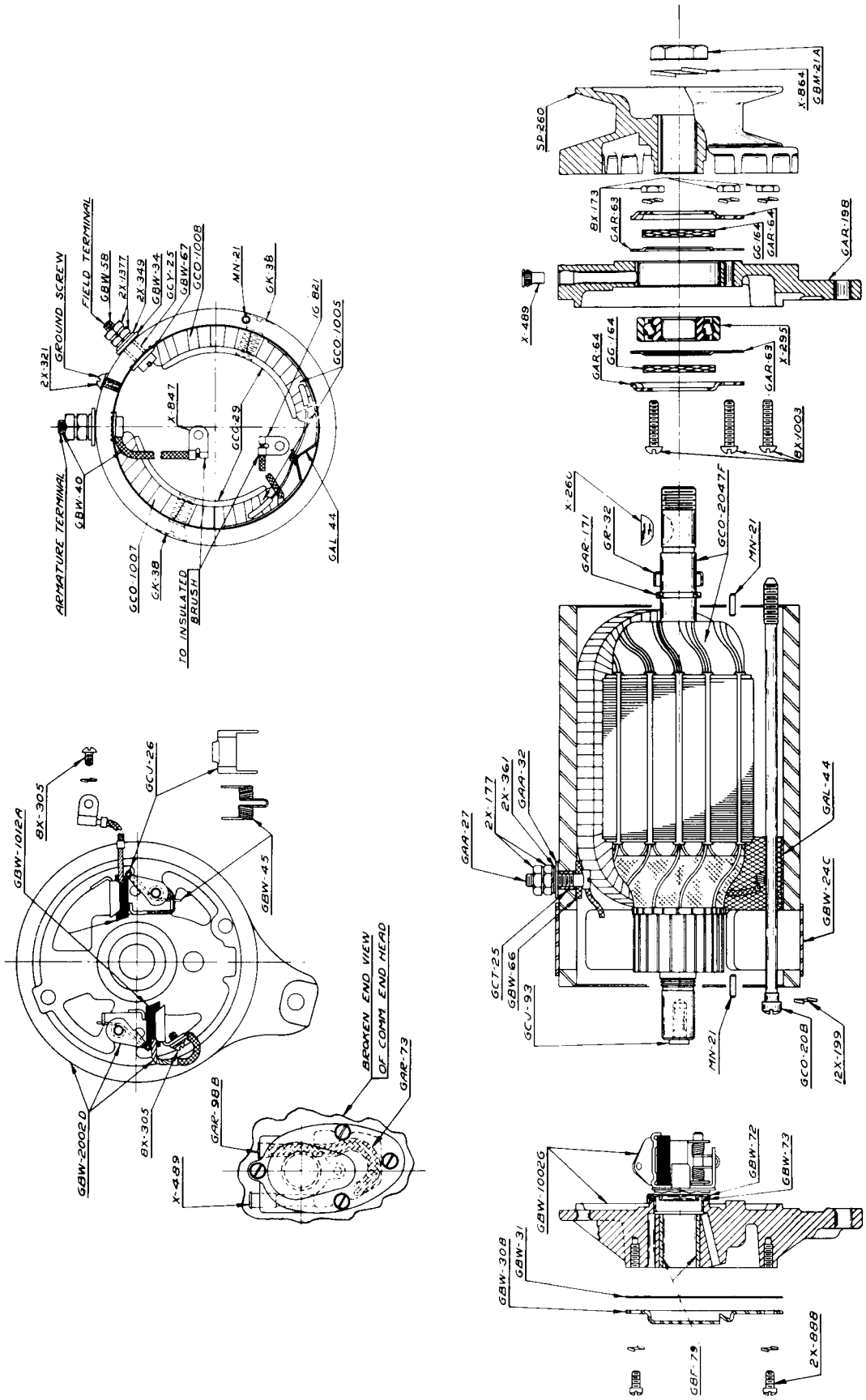
(Issued 9-26-38)

‡ Service Brush Set GBW-2012AS.

NOTE:- VRB-4012A Current-Voltage Regulator is used with but is not a part of this generator.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCO-4806A GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCO-20B	2	Frame Screw
(GCO-2040)	1	Frame & Field Assy.
GAA-32	1	Term. Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-40	1	Lead Assembly
GAA-27	1	Terminal Post
X-847	1	Terminal
GBW-58	1	Terminal Post
GBW-66	1	Term. Post Bottom Ins.
GBW-67	1	Term. Post Bottom Ins.
GCO-29	2	Pole Piece
GCO-1005A	1	FIELD COIL ASSY. - COMP.
GCO-1007	1	Field Coil Assy.-Left
IG-821	1	Terminal
GCO-1008A	1	Field Coil - Right
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
GK-38A	2	Pole Piece Screw
MN-21	2	Dowel Pin
2X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	1	#10 Lock Washer
2X-349	1	#10 Plain Washer
2X-361	1	1/4 Plain Washer
2X-1377	1	#10-32 Hex. Nut
2X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	2	#10 Lock Washer
12X-199	2	1/4 Lock Washer
2X-321	1	#10-32x5/16 Rd. Hd. Sc.
2X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

(GBW-2002B)	1	Comm. End Plate Assy.
GAR-73	1	Oil Wick
GAR-98B	1	Wick Cover
GBW-69	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GBW-1002C	1	Comm. End Plate Part Assembly
GBF-79	1	ABSORBENT BRONZE BRG.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
GBW-1012A†	2	Brush - Main
GBW-1068B	1	Comm. End Cap Cover
12X-195	5	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Sc.
2X-888	4	#8-32x5/16 Fill. Hd. Sc.
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21A	1	Armature Shaft Nut
GCO-2006F	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GR-32	1	Felt Washer Retainer
SP-260	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GAR-1198	1	Drive End Head Assy.
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GAR-198	1	Drive End Head
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	BALL BRG. - S.A.E. #203
X-489	1	1/4 Oiler-Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Sc.

Miscellaneous Parts

GBW-24C	1	Head Band
2X-715	1	#10-32x1 1/4 Rd. Hd. Sc.
2X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 2-27-39)

NOTE:- VRB-4012A-1 CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

† SERVICE BRUSH SET GBW-2012AS.

UNIT	APPLICATION
GCO-4807A	Packard

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking su -parts the complete part can be assembled as needed."

GCO-4807A GENERATOR ILLUSTRATION

GCO-4807A
FILE A-837

Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GBW-2053)	1	Frame & Field Assy.
GAA-32	1	Term. Post Top Insulation
GAL-44	1	Field Connection Ins.
GBW-29	2	Pole Piece
GBW-34	1	Insulating Washer
GBW-40	1	Lead Assy.
GAA-27	1	Terminal Post
X-847	1	Terminal
GBW-58	1	Terminal Post
GBW-66	1	Term. Post Bottom Ins.
GBW-67	1	Term. Post Bottom Ins.
GBW-1005A	1	Field Coil Assy. - Comp.
GBW-1007A	1	Field Coil Assy.-Left
IG-821	1	Terminal
GBW-1008	1	Field Coil - Right
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
GK-38B	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
GY-20	2	Frame Screw
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	2	#10 Lock Washer
12X-199	2	1/4 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assy. & Parts Used With

(GCP-2051)	1	Comm. End Plate Assy.
GAR-73	1	Oil Wick
GAR-98A	1	Wick Cover
GBW-69	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GBW-1012A‡	2	Brush - Main
GBW-1051A	1	Comm. End Plate Part Assy.
GBF-79	1	Absorbent Bronze Brg.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
GBW-1068	1	Comm. End Cap Cover
12X-195	5	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
8X-888	4	#8-32x5/16 Fill. Hd. Sc.
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAR-1170	1	Oil Thrower
GCP-2052F	1	Armature Assembly

Drive End Head Assy. & Parts Used With

GAR-1162	1	Drive End Head Assy.
GAR-95	1	Felt Washer
GAR-162	1	Drive End Head
GX-9	1	D. E. Packing Retainer
GX-10	1	Gasket
X-196	3	#10 Lock Washer
8X-311	3	#10-32x3/8 Rd. Hd. Sc.
X-378	1	Ball Brg. - S.A.E. #204
		Oil Seal
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

GBW-24B	1	Head Band
8X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

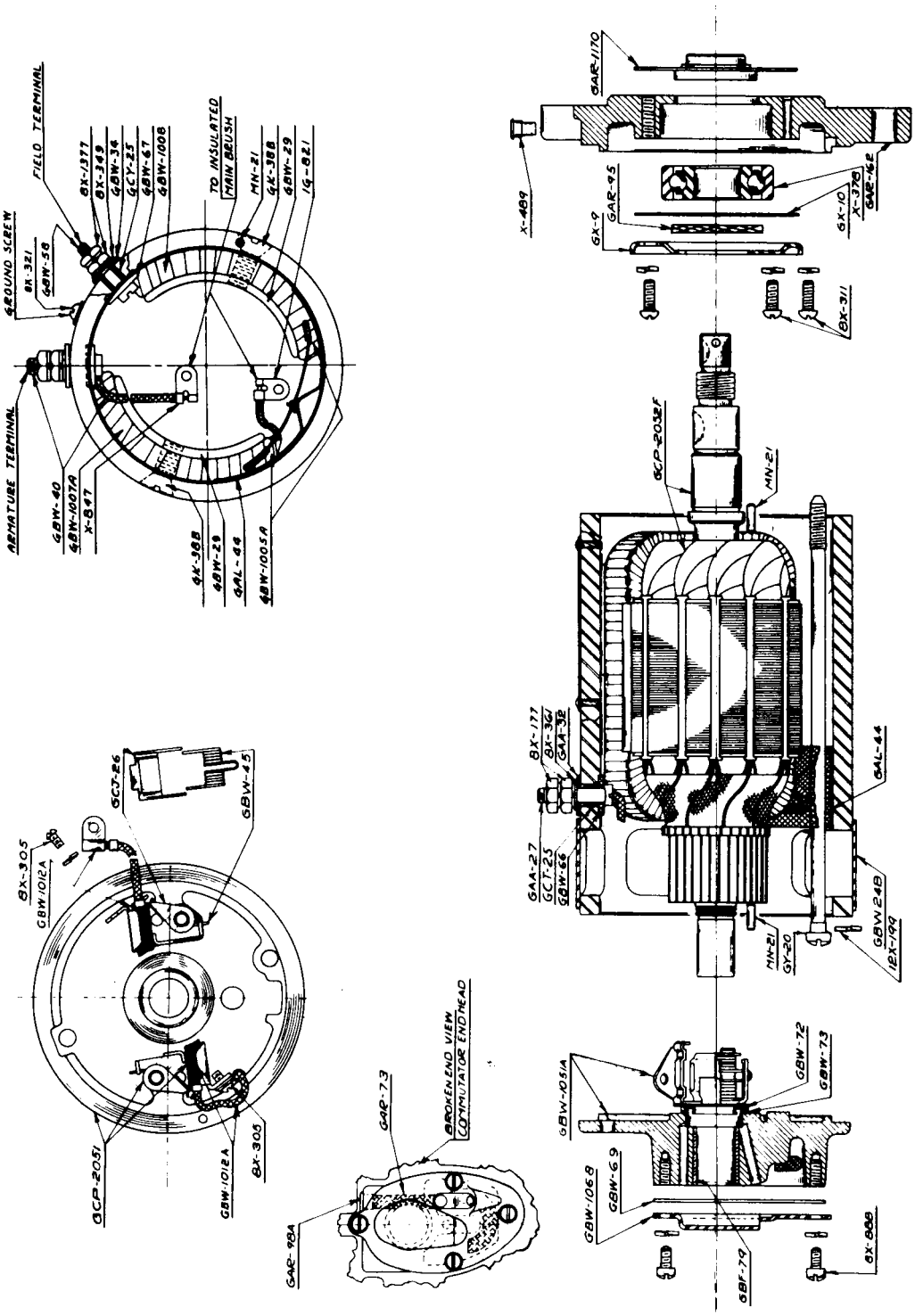
(Issued 11-21-38)

NOTE:- VRB-4006A Current-Voltage Regulator is used with but is not a part of this generator.

‡ Service Brush Set GBW-2012AS.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking su -parts the complete part can be assembled as needed."

GCP-4801 GENERATOR ILLUSTRATION



Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GBW-3059)	1	Frame & Field Assy.
GAA-32	1	Term. Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-29	2	Pole Piece
GBW-34	1	Insulating Washer
GBW-58	1	Terminal Post
GBW-62	1	Lead Assy.
GAA-27	1	Terminal Post
X-847	1	Terminal
GBW-66	1	Term. Post Bottom Ins.
GBW-67	1	Term. Post Bottom Ins.
GBW-2005	1	Field Coil Assy. - Comp.
GBW-2007	1	Field Coil - Left
GBW-2008	1	Field Coil Assy.-Right
X-847	1	Terminal
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
GK-38B	2	Pole Piece Screw
MN-21	2	Dowel Pin •
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
GY-20	2	Frame Screw
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	2	#10 Lock Washer
12X-199	2	1/4 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assy. & Parts Used With

(GBW-3051)	1	Comm. End Plate Assy.
GAR-73	1	Oil Wick
GAR-98A	1	Wick Cover
GBW-69	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GBW-1012A‡	2	Brush - Main
GBW-1051B	1	Comm. End Plate Part Assy.
GBF-79	1	Absorbent Bronze Brg.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
GBW-1068B	1	Comm. End Cap Cover
12X-195	5	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Sc.
8X-888	4	#8-32x5/16 Fill. Hd. Sc.
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAR-1170	1	Oil Thrower
GCP-3052F	1	Armature Assembly

Drive End Head Assy. & Parts Used With

GAR-1162	1	Drive End Head Assy.
GAR-95	1	Felt Washer
GAR-162	1	Drive End Head
GX-9	1	D. E. Packing Retainer
GX-10	1	Gasket
X-196	3	#10 Lock Washer
8X-311	3	#10-32x3/8 Rd. Hd. Sc.
X-378	1	Ball Brg. - S.A.E. #204
		Oil Seal
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

GBW-24B	1	Head Band
8X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

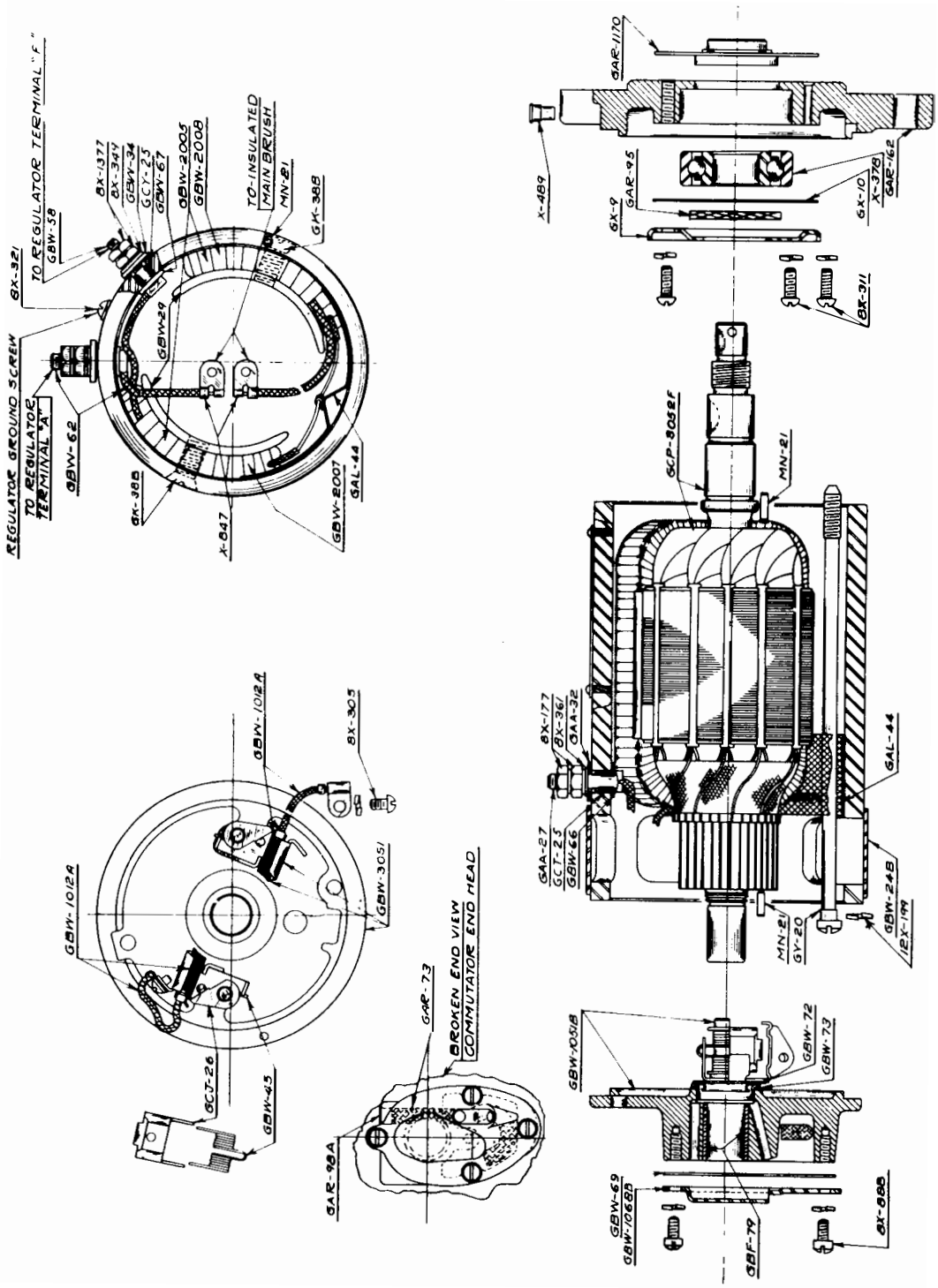
(Issued 11-21-38)

NOTE:- VRB-4006A Current-Voltage Regulator is used with but is not a part of this generator.

‡ Service Brush Set GBW-2012AS.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCP-4802 GENERATOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCS-20	2	Bolt, Thru
(GCR-2032)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins. Arm. Term., Outer
GAL-44	1	Insulation, Field Connection
GBW-34	1	Washer, Ins., Field Term., Outer
GBW-40	1	Lead Assembly
GAA-27	1	Stud, Arm. Term. #14-24
X-847	1	Terminal
GBW-66	1	Insulation, Square, Arm. Terminal
GBW-67	1	Insulation, Square, Field Terminal
GCR-1005	1	Coil Assy., Field, Comp.
GBW-58	1	Stud, Field Term. #10-32
GCR-1007	1	Coil Assy., Field, Left
IG-821	1	Terminal
GCR-1008	1	Coil, Field, Right
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Field Term.
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term., Hex., #14-24
X-193	2	Lock Washer, Arm. Term., #14
X-196	2	Lock Washer, Field Term., #10
8X-349	1	Washer, Field Term., Plain, #10
8X-361	1	Washer, Arm. Term., Plain, 1/4
8X-1377	2	Nut, Field Term., Hex., #10-32
X-196	1	Washer, Lock, Ground Sc., #10
X-199	2	Washer, Lock, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. Hd., #10-32x5/16

Comm. End Head Assembly & Parts Used With

DA-39	2	Washer, Plain, Felt Retaining
DA-132	1	Washer, Felt, C.E. Outer
GAB-188	1	Washer, Felt, C.E. Inner
GAR-82	1	Deflector, Air
GAR-83A	1	Cover, Comm. End
GBJ-25	1	Gasket, C.E. Cover
GBW-2038B	1	Head Assy., Comm. End
GBW-45	2	Spring, Brush
GBW-1012A†	2	Brush
GCJ-26	2	Arm, Brush
8X-66	3	Screw, Air Deflector, Flat Hd., #10-32x1/2
X-195	2	Lock Washer, Brush Lead, #8
X-295	1	Bearing, Ball, SAE #203
8X-305	2	Screw, Brush Lead, Rd. Hd., #8-32x1/4
		1 2 3 4 5

Comm. End Head Assembly (Con't.)

Part No.	No. Used	Name of Part
		1 2 3 4 5
X-489	1	Oiler, Hinge Top, Press in, 1/4
8X-726	3	Screw, Attaching, C.E. Cover, Bdg. Hd., #10-32x7/16
X-1270	3	Washer, Skpf., C.E. Cover Sc., #10
X-1621	3	Washer, Skpf., Air Deflector Screw #10

Armature Assembly & Parts Used With

DG-1144	1	Oil Thrower
GBM-21	1	Nut, Armature Shaft
GCR-2033F	1	Armature Assembly
GAR-171	1	Snap Ring
GR-32	1	Retainer, Felt Washer
SP-96C	1	Fan, Ventilating
X-157	1	Nut, Armature Shaft, Hex., 1/2-20
X-258	1	Key, Woodruff, #3
X-263	1	Key, Woodruff, #8
X-358	1	Washer, Plain, Arm. Shaft, 1/2
X-404	1	Pin, Cotter, 3/32x1
X-864	1	Lockwasher, Arm. Shaft

Drive End Head Assembly & Parts Used With

GAR-1192	1	Head Assy., Drive End
GAE-47	1	Retainer, Bearing
GAR-192	1	Head
8X-66	3	Screw, Retainer, Flat Hd., #10-32x1/2
X-378	1	Bearing, Ball, Shielded, SAE #204
X-1621	3	Washer, Retainer Sc., Skpf., #10

Miscellaneous Parts

GBW-24B	1	Band, Cover
X-715	1	Screw, Cover Band, Rd. Hd., #10-32x1 1/4
8X-794	1	Nut, Cover Band, Square, #10-32
		1 2 3 4 5

(Issued 5-10-45)

Assembly No.	Regulator
GCR-4802	VRS-4005A
GCR-4802N	VRS-4008A

† Brush Set, Service GBW-2012AS.

NOTE:- * Current-Voltage Regulator is used with but is not a part of this generator.

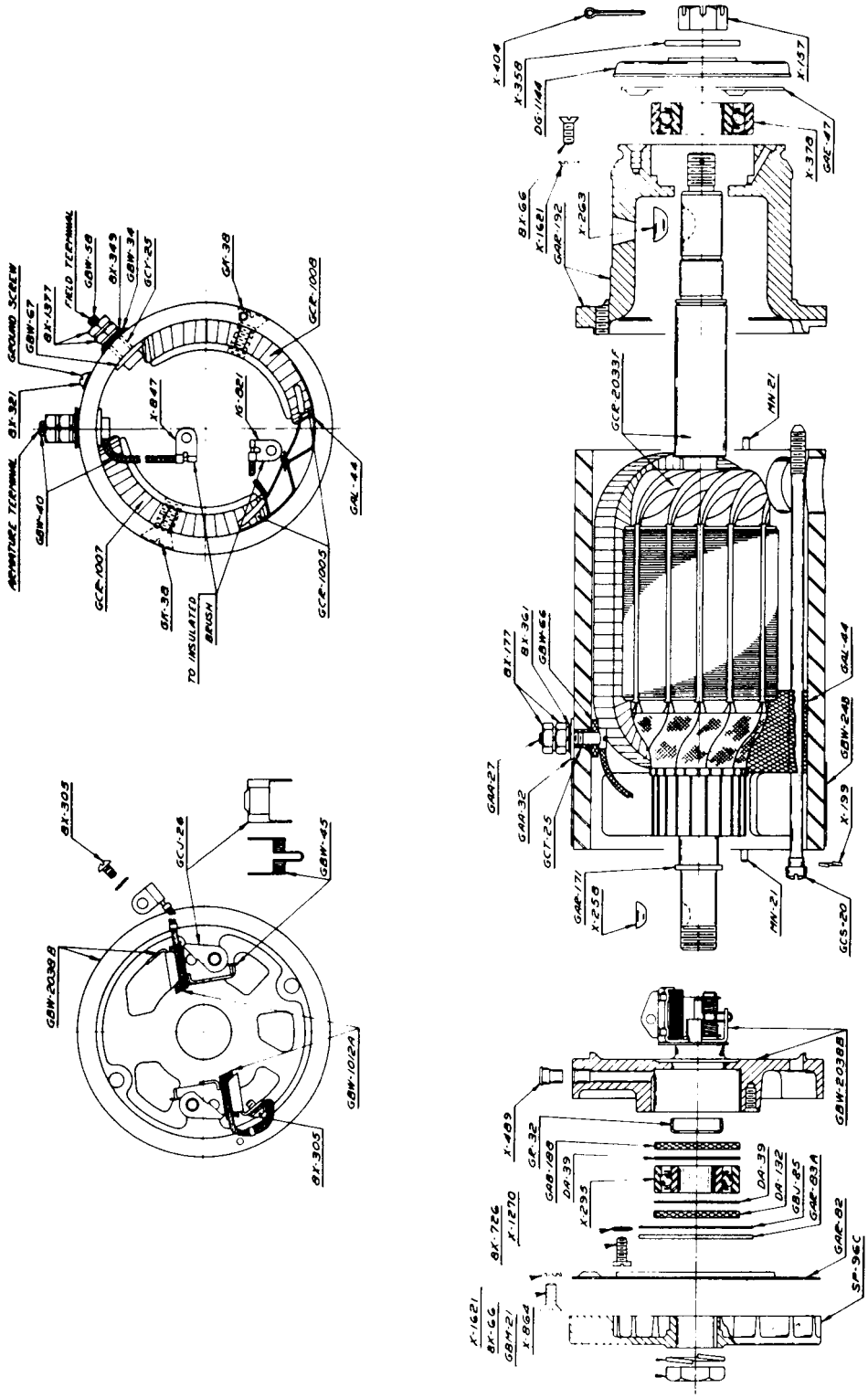
* See table following parts list for part number applying to assembly wanted.

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File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCR-4802,N GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCO-20A	2	Frame Screw
(GCS-2001)	1	Frame & Field Assy.
GAL-44	1	Field Connection Ins.
GAL-148	1	Aligning Dowel
GAR-211	1	Ins. Bushing
GCO-29	2	Pole Piece
GCS-1005	1	Field Coil Assy.-Comp.
GCS-1007	1	Field Coil Assy.-Left
GAL-296	1	C.B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GCS-1008	1	Field Coil Assy.-Right
X-755	1	Terminal
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
X-199	2	1/4 Lock Washer

Comm. End Plate Assembly & Parts Used With

DA-39	2	Flat Oil Guard
DA-70	1	Armature Shaft Nut
GAR-83A	1	Comm. End Cap Cover
GBJ-25	1	End Cap Cover Gasket
(GCM-2031)	1	Comm. End Plate Assy.
GCJ-51	1	3rd Brush Plate Retaining Spring
GCJ-1012‡	2	Brush - Main
GCJ-1013‡	1	Brush - Third
GCJ-1014	1	3rd Brush Plate Assy.
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
GCM-1031	1	Comm. End Plate Part Assy.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Sc.
8X-311	1	#10-32x3/8 Rd. Hd. Sc.
GR-32	1	Felt Washer Retainer
GR-35	2	Felt Washer
X-195	2	#8 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
8X-305	2	#8-32x1/4 Rd. Hd. Sc.
X-489	1	1/4 Oiler - Press in Type
X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Sc.
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAR-159	1	Armature Shaft Spacer
GCS-2006F	1	Armature Assy.
GAR-171	2	Snap Ring
GR-32	1	Felt Washer Retainer
X-264B	1	#9 Special Woodruff Key

Drive End Head Assembly & Parts Used With

GAR-1062	1	Drive End Head Assy.
GAR-62	1	Drive End Head
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GG-164	2	Felt Washer
6X-173	3	#10-32 Hex. Nut
X-295	1	Ball Brg.-S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
6X-1003	3	#10-32x7/8 Rd. Hd. Sc.
X-1270	3	#10 Skpf. Washer

Miscellaneous Parts

GBW-1024A	1	Head Band Assy.
TC-4302A	1	Two Charge Regulator & Circuit Breaker
X-196	4	#10 Lock Washer
8X-321	4	#10-32x5/16 Rd. Hd. Sc.
X-715	1	#10-32x1 1/4 Rd. Hd. Sc.
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 12-14-37)

‡ Service Brush Set GCJ-2012S.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCS-4801 GENERATOR ILLUSTRATION

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCO-20A	2	Frame Screw
(GCS-2034)	1	Frame & Field Assy.
GAG-125	1	Mounting Bracket
GAL-44	1	Field Connection Ins.
GAR-211	1	Insulating Bushing
GCO-29	2	Pole Piece
GCS-1005A	1	Field Coil Assy. - Comp.
GCS-1007A	1	Field Coil Assy. - Left
GAL-289	1	C.B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GCS-1008A	1	Field Coil Assy. - Right
X-767	1	Terminal
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-113	2	5/16-24x5/8 Hex. Hd. Sc.
X-203	2	5/16 Lock Washer
X-199	2	1/4 Lock Washer

Comm. End Plate Assembly & Parts Used With

DA-22	1	Bearing Retaining Washer
DA-39	1	Flat Oil Guard
DA-60	1	Bearing Retaining Screw
GAJ-79	1	Bearing Spacer
GBJ-25	1	End Cap Cover Gasket
GBJ-32	1	Comm. End Cap Cover
(GCS-2031)	1	Comm. End Plate Assy.
GBW-1012A‡	2	Brush - Main
GCJ-51	1	3rd Brush Plate Retain'g Spring
GCJ-1013‡	1	Brush - Third
GCJ-1014	1	3rd Brush Plate Assy.
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
GCM-1031	1	Comm. End Plate Part Assy.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
8X-311	1	#10-32x3/8 Rd. Hd. Screw
GR-35	1	Felt Washer
X-195	2	#8 Lock Washer
X-199	1	1/4 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
8X-305	2	#8-32x1/4 Rd. Hd. Screw
X- 89	1	1/4 Oiler - Press in Type
X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Sc.
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCS-2036F	1	Armature Assembly
GAR-171	2	Snap Ring
GJ-179	1	7/16 Plain Washer
GR-32	2	Felt Washer Retainer
SP-96	1	Ventilating Fan
X-160	1	7/16-20 Hex. Nut
X-205	1	7/16 Lock Washer
X-258	1	#3 Woodruff Key
X-261	1	#6 Woodruff Key

Drive End Head Assembly & Parts Used With

GAR-1062B	1	Drive End Head Assy.
GAR-62A	1	Drive End Head
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-295	1	Ball Brg. - S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Screw
X-1270	3	#10 Skpf. Washer

Miscellaneous Parts

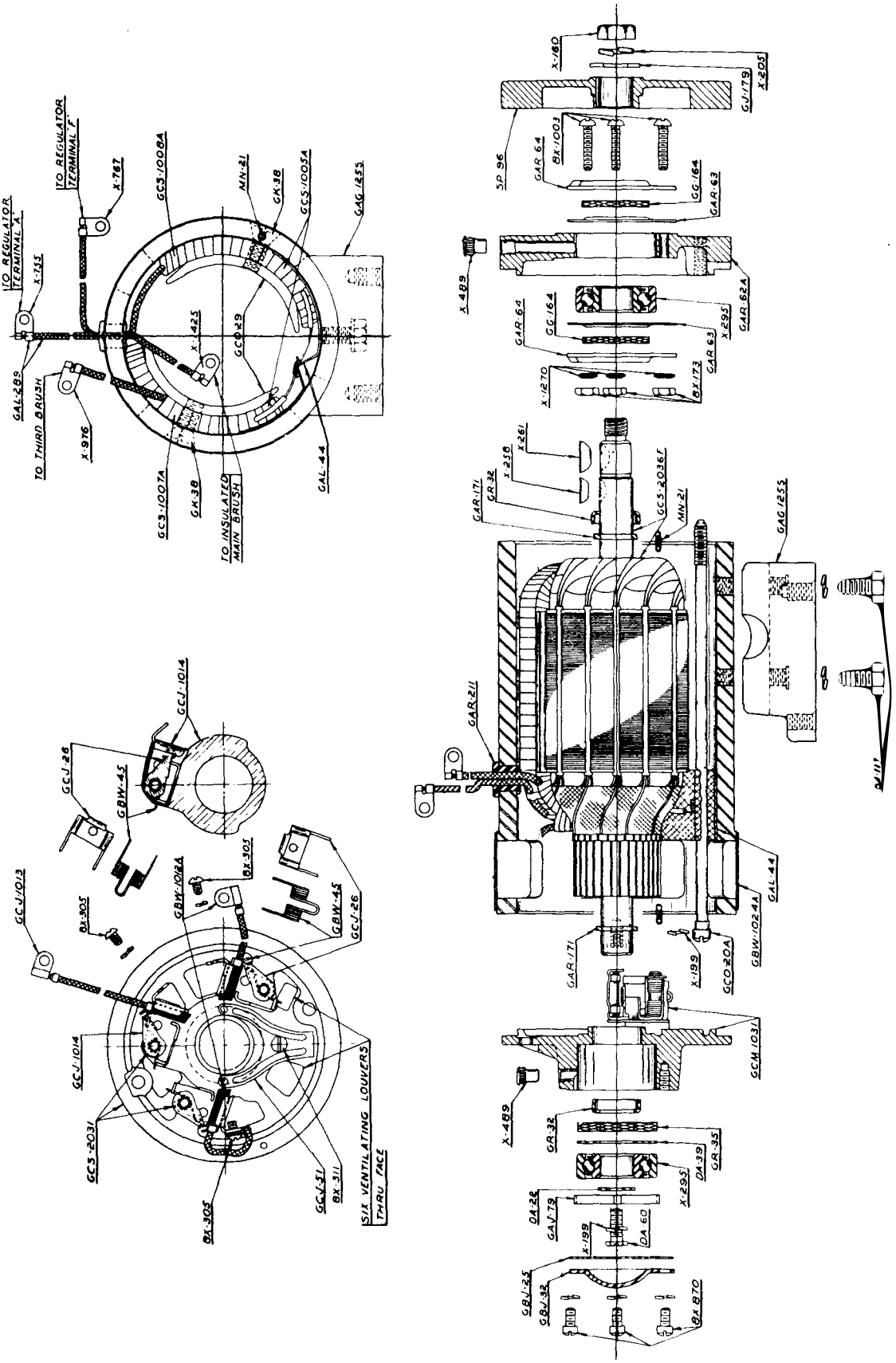
GBW-1024A	1	Head Band Assembly
TC-4302A	1	Two Charge Regulator
X-196	4	#10 Lock Washer
8X-321	4	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 11-18-36)

‡ Service Brush Set GBW-2012BS.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCS-4802 GENERATOR ILLUSTRATION



Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GC0-20A	2	Frame Screw
(GCS-2001)	1	Frame & Field Assembly
GAL-44	1	Field Connection Ins.
GAL-148	1	Aligning Dowel
GAR-211	1	Insulating Bushing
GC0-29	2	Pole Piece
GCS-1005	1	FIELD COIL ASSY.- Comp.
GCS-1007	1	Field Coil Assy.-Left
GAL-296	1	C. B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GCS-1008	1	Field Coil Assy.-Right
X-767	1	Terminal
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
X-199	2	1/4 Lock Washer

Comm. End Plate Assy. & Parts Used With

DA-39	2	Flat Oil Guard
DA-70	1	Armature Shaft Nut
GAR-83A	1	Comm. End Cap Cover
GBJ-25	1	End Cap Cover Gasket
(GCM-2031)	1	Comm. End Plate Assembly
GCJ-51	1	3rd Brush Plate Retaining Spring
GCJ-1012‡	2	Brush - Main
GCJ-1013‡	1	Brush - Third
GCJ-1014	1	3rd Brush Plate Assembly
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
GCM-1031	1	C. E. Plate Part Assy.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
8X-311	1	#10-32x3/8 Rd. Hd. Sc.
GR-35	2	Felt Washer
X-195	2	#8 Lock Washer
X-295	1	BALL BEARING - S.A.E. #203
8X-305	2	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GCS-2037F	1	ARMATURE ASSEMBLY
GAR-171	2	Snap Ring
GR-32	2	Felt Washer Retainer
*	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assy. & Parts Used With

GAR-1062B	1	Drive End Head Assembly
GAR-62A	1	Drive End Head
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-295	1	BALL BRG. - S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Screw
X-1270	3	#10 Skpf. Washer

Miscellaneous Parts

GBW-1024A	1	Head Band Assembly
TC-4302A	1	TWO CHARGE REGULATOR
X-196	4	#10 Lock Washer
8X-321	4	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 7-31-40)

Assembly No.	Drive Pulley
GCS-4803A	SP-241
GCS-4803B	SP-199
GCS-4803C	SP-157
GCS-4803D	SP-135

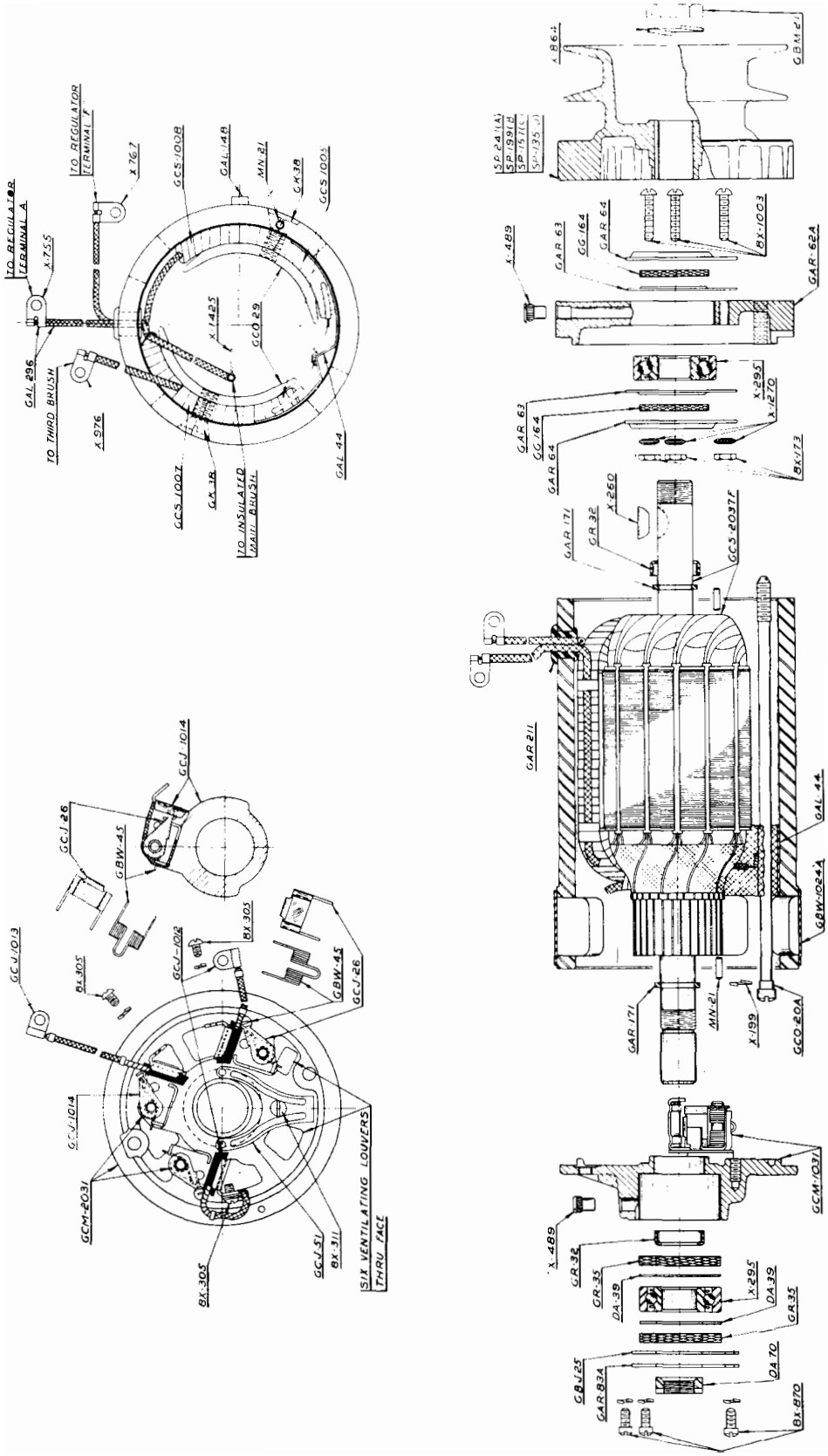
‡ Service BRUSH SET GDF-2012S.

* See table following parts list for part number applying to assembly wanted.

UNIT	APPLICATION
GCS-4803A, B,C,D	Brockway

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCS-4803A,B,C,D GENERATOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GCS-4804A, B,C GENERATOR PARTS LIST GCS-4804A, B,C

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCO-20A	2	Frame Screw
(GCS-2048)	1	Frame & Field Assy.
GAL-44	1	Field Connection Ins.
GAR-211	1	Ins. Bushing
GCO-29	2	Pole Piece
GCS-1005A	1	FIELD COIL ASSY. - COMP.
GCS-1007A	1	Field Coil Assy.-Left
GAL-289	1	C.B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GCS-1008A	1	Field Coil Assy.-Right
X-767	1	Terminal
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
X-199	2	1/4 Lock Washer

Comm. End Plate Assembly & Parts Used With

(GCM-2002A)	1	Comm. End Plate Assy.
GAR-73	1	Oil Wick
GAR-98	1	Wick Cover
GBW-69	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GBW-1068B	1	Comm. End Cap Cover
GCJ-51	1	3rd Brush Plate Retaining Spring
GCJ-1012†	2	Brush - Main
GCJ-1013†	1	Brush - Third
GCJ-1014	1	3rd Brush Plate Assy.
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
GCM-1002C	1	Comm. End Plate Part Assy.
GBF-79	1	ABSORBENT BRONZE BRG.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
X-195	5	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
8X-311	1	#10-32x3/8 Rd. Hd. Screw
8X-888	4	#8-32x5/16 Fill. Hd. Sc.
X-195	2	#8 Lock Washer
8X-305	2	#8-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GCS-2049F	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GR-32	1	Felt Washer Retainer
*	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GBJ-1003E	1	Drive End Head Assy.
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GBJ-3E	1	D.E. Head
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	BALL BRG. - S.A.E. #203
X-489	1	1/4 Oiler-Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Sc.

Miscellaneous Parts

GBW-1024A	1	Head Band Assembly
TC-4302A	1	TWO CHARGE REGULATOR
X-196	4	#10 Lock Washer
8X-321	4	#10-32x5/16 Rd. Hd. Screw
X-714	1	#10-32x1 1/2 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 6-29-39)

† Service BRUSH SET GDF-2012S.

* See table following parts list for part number applying to assembly wanted.

Assembly No.	Drive Pulley
GCS-4804A	SP-246
GCS-4804B	SP-253
GCS-4804C	SP-254

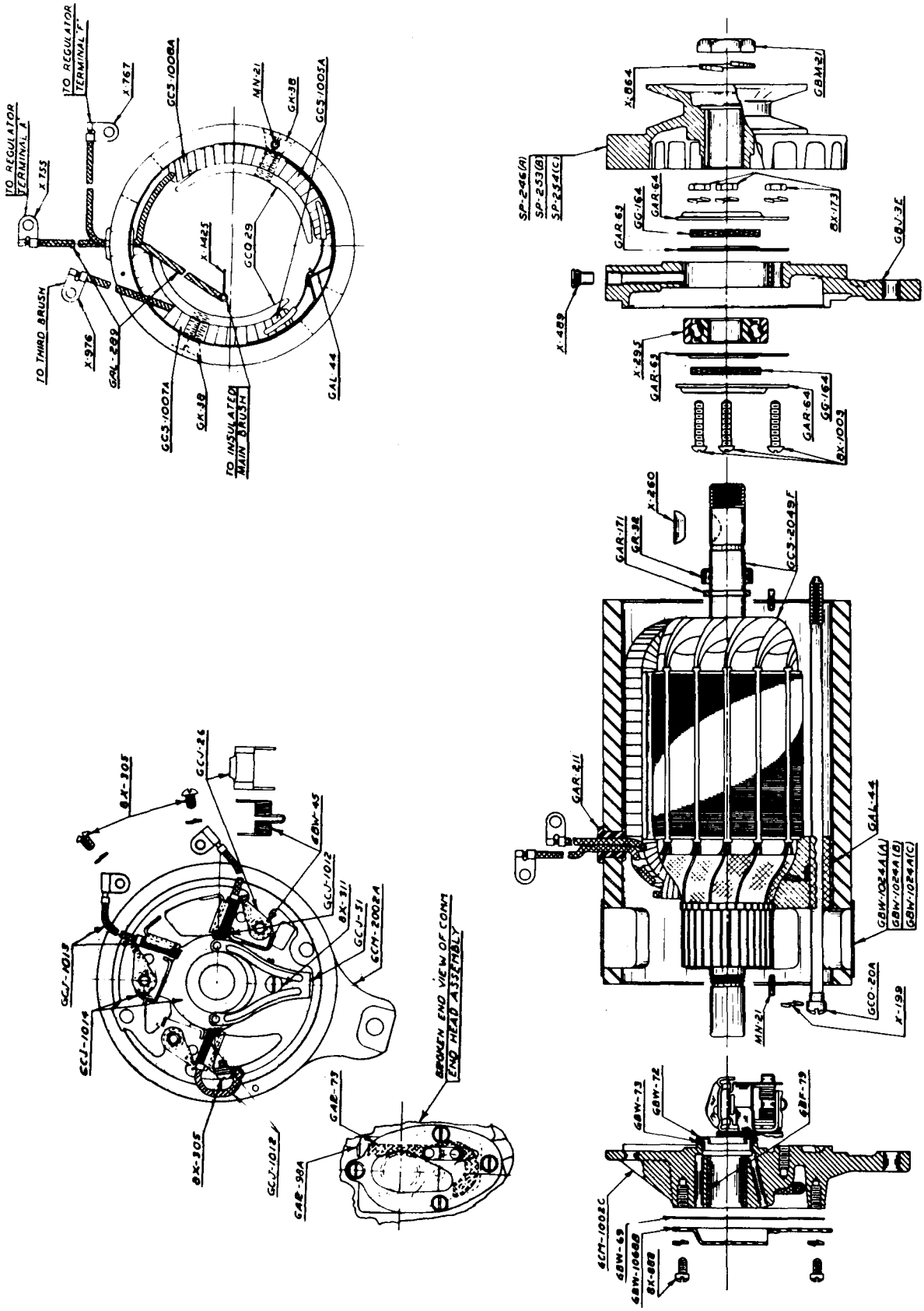
UNIT	APPLICATION
GCS-4804A,B,C	Reo

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File in Equipment & Parts Lists Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCS-4804A,B,C GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCO-20A	2	Frame Screw
(GCS-2048)	1	Frame & Field Assy.
GAL-44	1	Field Connection Ins.
GAR-211	1	Ins. Bushing
GCO-29	2	Pole Piece
GCS-1005A	1	FIELD COIL ASSY. - COMP.
GCS-1007A	1	Field Coil Assy.-Left
GAL-289	1	C.B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GCS-1008A	1	Field Coil Assy.-Right
X-767	1	Terminal
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
X-199	2	1/4 Lock Washer

Comm. End Plate Assembly & Parts Used With

(GCM-2073)	1	Comm. End Plate Assy.
GAR-73	1	Oil Wick
GAR-98	1	Wick Cover
GBW-30A	1	Comm. End Cap Cover
GBW-31	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GCJ-51	1	3rd Brush Plate Retaining Spring
GCJ-1012†	2	Brush - Main
GCJ-1013†	1	Brush - Third
GCJ-1014	1	3rd Brush Plate Assy.
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
GCM-1073A	1	Comm. End Plate Part Assy.
GBF-79	1	ABSORBENT BRONZE BRG.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
GCS-66	2	Stud
X-195	5	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
8X-311	1	#10-32x3/8 Rd. Hd. Screw
X-489	1	1/4 Oiler-Press in Type
8X-888	2	#8-32x5/16 Fill. Hd. Sc.
GCS-1067	1	Mud Baffle
8X-141	2	#8-32 Hex. Nut
X-195	4	#8 Lock Washer
8X-305	2	#8-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GCS-2049F	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GR-32	1	Felt Washer Retainer
SP-246	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GBJ-1003E	1	Drive End Head Assy.
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GBJ-3E	1	D.E. Head
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	BALL BRG. - S.A.E. #203
X-489	1	1/4 Oiler-Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Sc.

Miscellaneous Parts

GCS-1024	1	Head Band Assembly
TC-4302A	1	TWO CHARGE REGULATOR
X-196	4	#10 Lock Washer
8X-321	4	#10-32x5/16 Rd. Hd. Screw
X-714	1	#10-32x1 1/2 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

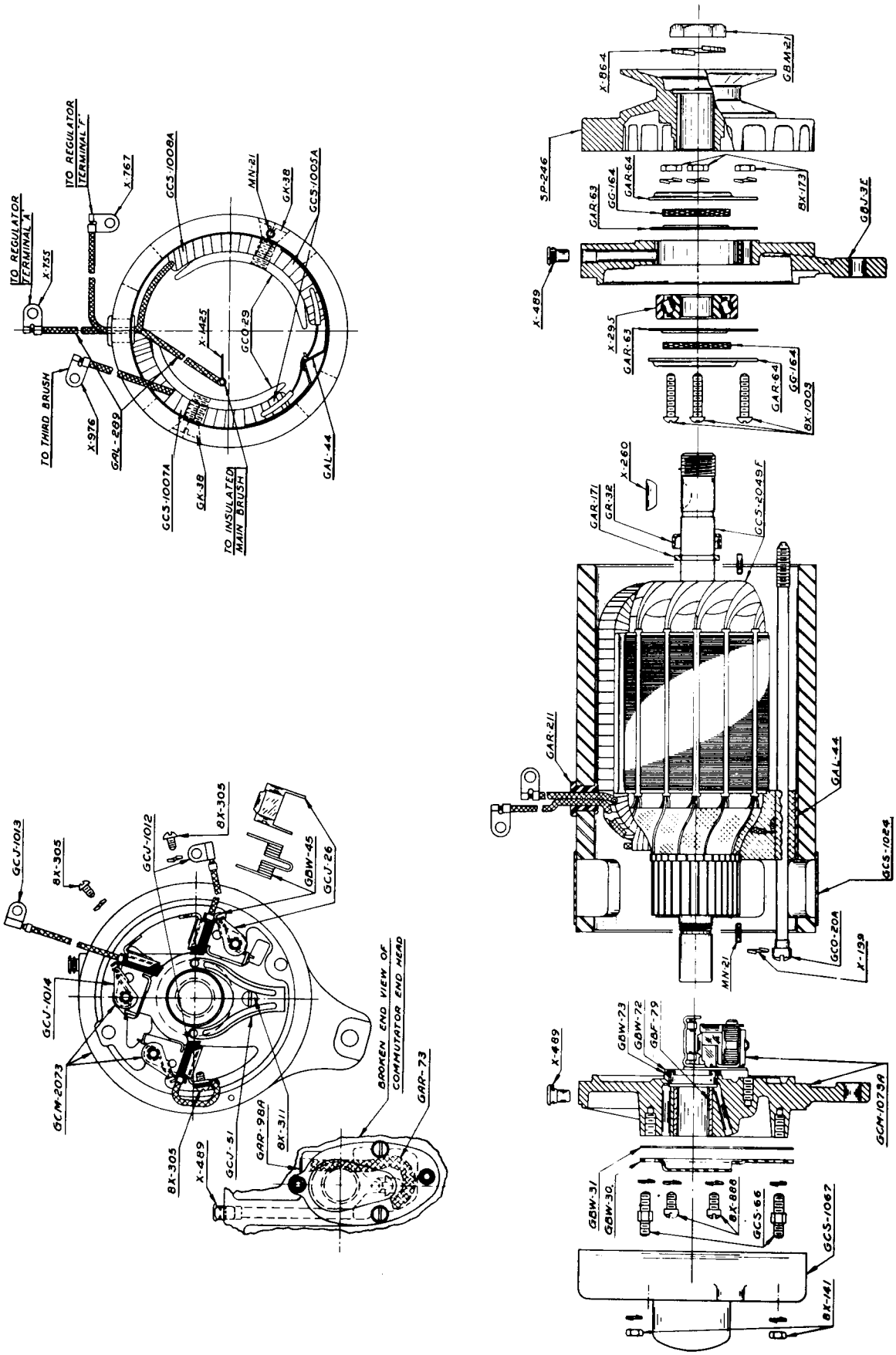
(Issued 6-29-39)

† Service BRUSH SET GDF-2012S.

UNIT	APPLICATION
GCS-4804D	White

"NOTE: Where p rt numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete p rt can be assembled as needed."

GCS-4804D GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCO-20A	2	Frame Screw
(GCS-2052)	1	Frame & Field Assy.
GAL-44	1	Field Connection Ins.
GAR-211	1	Insulating Bushing
GCO-29	2	Pole Piece
GCS-1005B	1	Field Coil Assy.-Comp.
GCS-1007B	1	Field Coil Assy.-Left
GAL-298	1	C.B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GCS-1008A	1	Field Coil Assy.-Right
X-767	1	Terminal
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
GCS-54S	1	Mounting Bracket
8X-113	2	5/16-24x5/8 Hex. Hd. Screw
X-199	2	1/4 Lock Washer
X-203	2	5/16 Lock Washer

Comm. End Plate Assembly & Parts Used With

DA-22	1	Bearing Retaining Washer
DA-39	1	Flat Oil Guard
DA-60	1	Bearing Retaining Screw
GAJ-79	1	Bearing Spacer
GBJ-25	1	End Cap Cover Gasket
GBJ-32	1	Comm. End Cap Cover
(GCM-2031)	1	Comm. End Plate Assy.
GCJ-51	1	3rd Brush Plate Retaining Spring
GCJ-1012 ‡	2	Brush - Main
GCJ-1013 ‡	1	Brush - Third
GCJ-1014	1	3rd Brush Plate Assy.
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
GCM-1031	1	Comm. End Plate Part Assy.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
8X-311	1	#10-32x3/8 Rd. Hd. Sc.
GR-32	1	Felt Washer Retainer
GR-35	1	Felt Washer
X-195	2	#8 Lock Washer
X-199	1	1/4 Lock Washer
X-295	1	Ball Bearing - S.A.E. #203
8X-305	2	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Sc.
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GCS-2053F	1	Armature Assy.
GAR-171	2	Snap Ring
GR-32	1	Felt Washer Retainer
SP-185	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GAR-1062B	1	Drive End Head
GAR-62A	1	Drive End Head
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-295	1	Ball Brg.-S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Screw
X-1270	3	#10 Skpf. Washer

Miscellaneous Parts

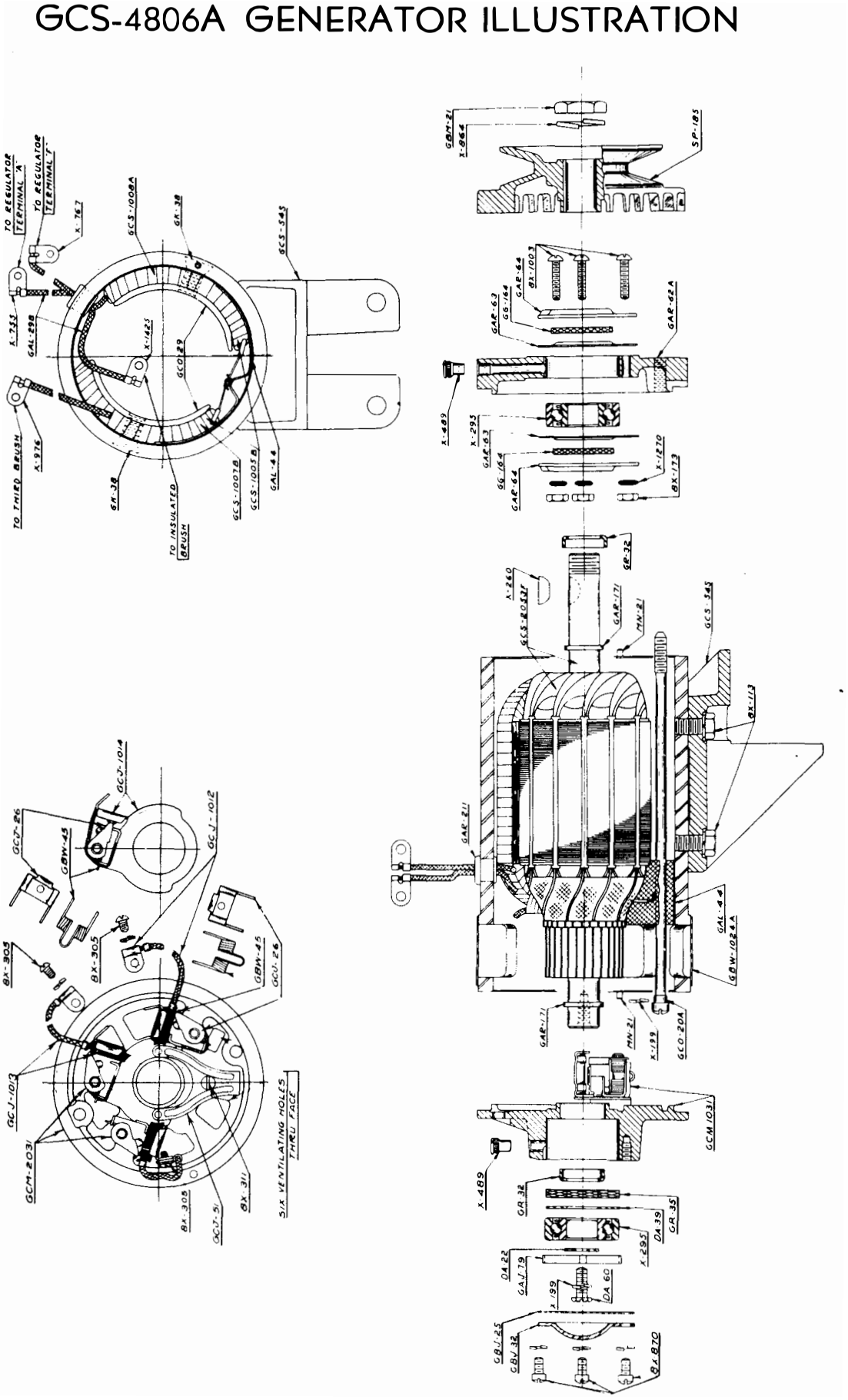
GBW-1024A	1	Head Band Assy.
TC-4302A	1	Two Charge Regulator
X-196	4	#10 Lock Washer
8X-321	4	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Sc.
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 11-1-37)

‡ Service Brush Set GCJ-2012S.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking su -parts the complete part can be assembled as needed."

GCS-4806A GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAL-225	1	Cover, Fuse
GCS-20	2	Bolt, Thru
(GCS-3057)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GAL-1224	1	Holder, Fuse
GAR-211	1	Bushing, Insulating
GCS-2005	1	Coil Assy., Field, Comp.
GCS-2007	1	Coil Assy., Field, Left
IG-821	1	Terminal
GCS-2008	1	Coil Assy., Field, Right
GAL-296	1	Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel, Head Locating
8X-59	1	Screw, Field Lead, Rd. hd., #8-32x3/16
X-195	1	Washer, Lock, Lead Sc., #8
X-199	2	Washer, Lock, Thru Bolt, 1/4
X-842	1	Fuse, 5 Amps.

Comm. End Head Assembly & Parts Used With

(GCM-3058)	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBW-69	1	Gasket, C.E. Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GBW-1068	1	Cover, Comm. End
GCJ-51	1	Spring, Retaining, 3rd Brush Plate
GCJ-1012‡	2	Brush, Main
GCJ-1013‡	1	Brush, Third
GCJ-1014L	1	Plate Assy., 3rd Brush
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCM-1058A	1	Head Assy., Partial, C.E.
GBF-79	1	Bearing, Absorbent Bronze
GBW-45	2	Spring, Brush
GCJ-26	2	Arm, Brush
X-195	4	Washer, Lock, Cover Sc., #8
8X-311	1	Screw, Plate Retaining, Rd. hd., #10-32x3/8
8X-888	4	Screw, Cover, Fil. hd., #8-32x5/16
X-195	3	Washer, Lock, Brush Lead, #8
8X-305	3	Screw, Brush Lead, Rd. hd., #8-32x1/4
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAR-1177	1	Oil Thrower
GCS-2055F	1	Armature
X-157	1	Nut, Armature Shaft, Hex., 1/2-20
X-263	1	Key, Woodruff, #8
X-358	1	Washer, Plain, Arm. Shaft, 1/2
X-404	1	Pin, Cotter, 3/32x1

Drive End Head Assembly & Parts Used With

GCS-1058	1	Head Assy., Drive End
GCS-58	1	Head
GX-9	1	Retainer, Bearing
GX-10	1	Gasket, Retainer
X-196	3	Washer, Lock, Retainer Sc., #10
8X-311	3	Screw, Brg. Retainer, Rd. hd., #10-32x3/8
X-378	1	Bearing, Ball, S.A.E. #204

Miscellaneous Parts

CB-4014	1	Relay Assy., Cutout
CB-123	1	Spring, Armature
CB-160S	1	Cover
PX-55	1	Screw, Arm. Term., Bdg. hd., #10-32x3/16
X-196	2	Washer, Lock, Term. Screw, #10
8X-312	1	Screw, Bat. Term., Rd. hd., #10-32x1/4
GCS-1024	1	Band, Cover
X-196	2	Washer, Lock, Cutout Relay Mtg., #10
8X-308	1	Screw, Cover Band, Rd. hd., #10-32x1 3/8
8X-321	2	Screw, Mtg., Cutout Relay, Rd. hd., #10-32x5/16
8X-794	1	Nut, Cover Band, Square, #10-32
		1 2 3 4 5

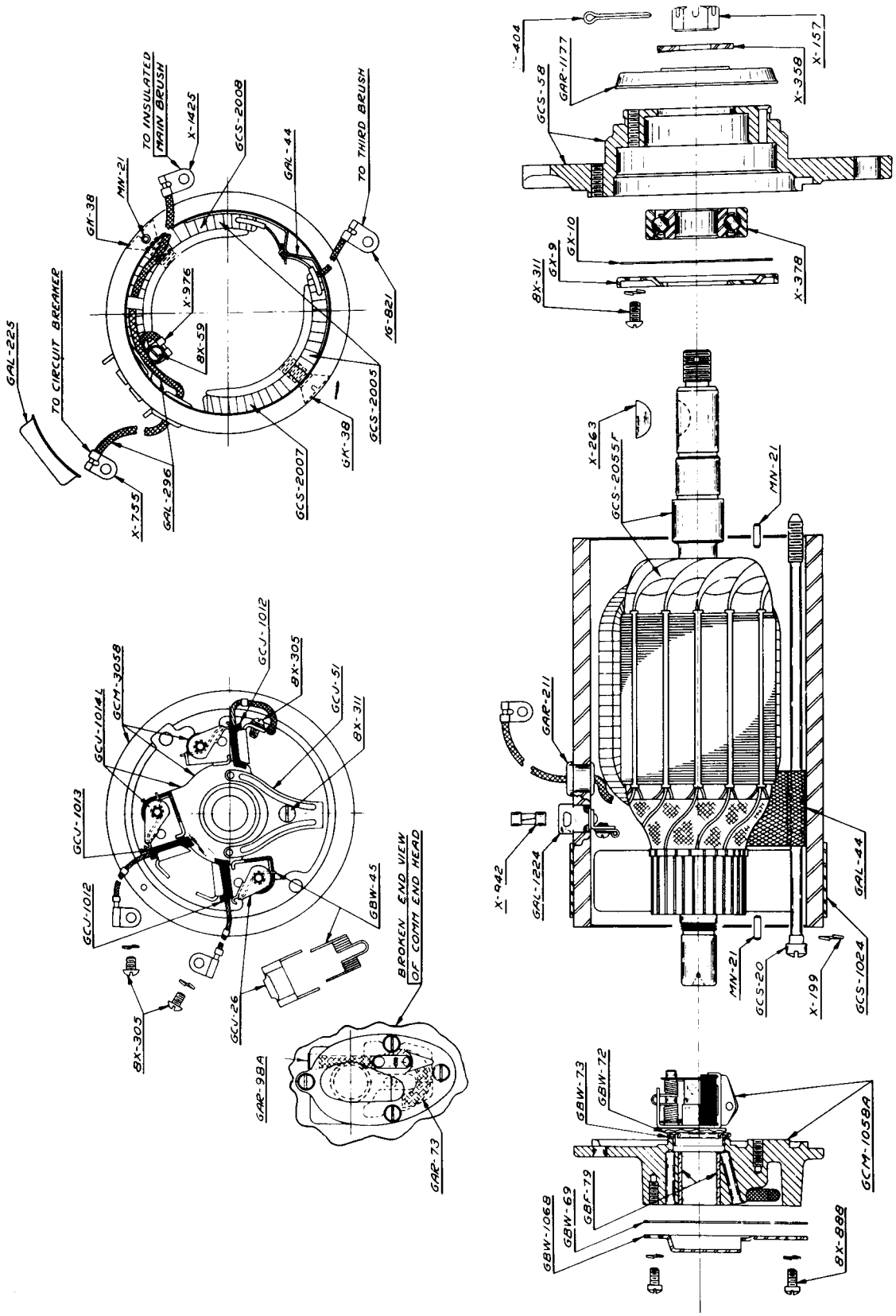
(Issued 3-15-44)

‡ Brush Set, Service, GCJ-2012S.

Printed in U. S. A.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCS-4807 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part (1 2 3 4 5)
GCS-20	2	Frame Screw
(GCS-2039)	1	Frame & Field Assembly
GAL-44	1	Field Connection Ins.
GAR-211	1	Ins. Bushing
GCO-29	1	Pole Piece
GCS-1005B	1	FIELD COIL ASSY.-COMP.
GCS-1007B	1	Field Coil Assy.-Left
GAL-298	1	C.B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GCS-1008A	1	Field Coil Assy.-Right
X-767	1	Terminal
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
X-199	2	1/4 Lock Washer

Comm. End Plate Assembly & Parts Used With

DA-39	2	Flat Oil Guard
DA-132	1	Felt Washer
GAB-188	1	Felt Washer
GAR-82	1	Air Deflector
GAR-83	1	Comm. End Cap Cover
GBJ-25	1	End Cap Cover Gasket
(GCM-2035)	1	Comm. End Plate Assembly
GCJ-51	1	3rd Brush Plate Retaining Spring
GCJ-1012‡	2	Brush - Main
GCJ-1013‡	1	Brush - Third
GCJ-1014	1	3rd Brush Plate Assy.
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
GCM-1035	1	Comm. End Plate Part Assy.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
8X-311	1	#10-32x3/8 Rd. Hd. Screw
GR-32	1	Felt Washer Retainer
X-62	6	#10-32x3/8 Flat Hd. Screw
X-195	2	#8 Lock Washer
X-295	1	Ball Bearing-S.A.E. #203
8X-305	2	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type (1 2 3 4 5)

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part (1 2 3 4 5)
GAR-1177	1	Oil Thrower Assembly
GBM-21	1	Armature Shaft Nut
GCS-2038F	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GK-174	1	1/2 Plain Washer
SP-96	1	Ventilating Fan
X-156	1	1/2-20 Castellated Nut
X-258	1	#3 Woodruff Key
X-263	1	#8 Woodruff Key
X-404	1	3/32xl Cotter Pin
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GAR-1096	1	Drive End Head Assembly
GAR-95	1	Felt Washer
GAR-96	1	Drive End Head
GX-9	1	D.E. Packing Retainer
GX-10	1	Gasket
X-196	3	#10 Lock Washer
6X-311	3	#10-32x3/8 Rd. Hd. Screw
X-378	1	BALL BEARING-S.A.E. #204

Miscellaneous Parts

GBW-1024A	1	Head Band Assembly
TC-4302A	1	TWO CHARGE REGULATOR
X-196	4	#10 Lock Washer
8X-321	4	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32xl 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut (1 2 3 4 5)

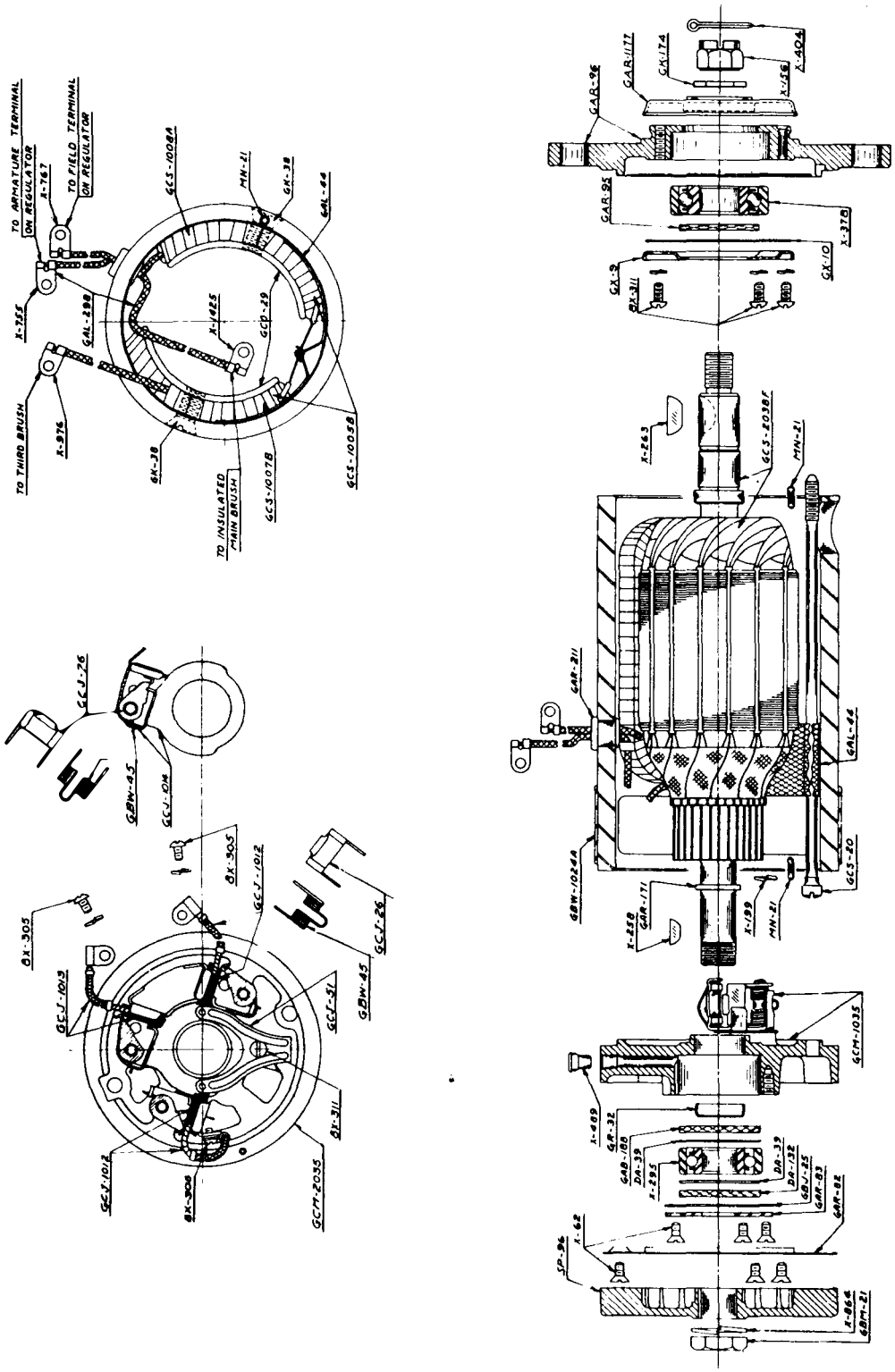
(Issued 5-10-39)

‡ SERVICE BRUSH SET GDF-2012S.

UNIT	APPLICATION
GCS-4808	Autocar

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCS-4808 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCO-20A	2	Frame Screw
(GCS-2040)	1	Frame & Field Assy.
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-40	1	Lead Assy.
GAA-27	1	Terminal Post
X-847	1	Terminal
GBW-58	1	Terminal Post
GBW-66	1	Terminal Post Bottom Ins.
GBW-67	1	Terminal Post Bottom Ins.
GCO-29	2	Pole Piece
GCS-1005D	1	Field Coil Assy.-Comp.
GCS-1007D	1	Field Coil Assy.-Left
X-976	1	Terminal
GCS-1008B	1	Field Coil Assy.-Right
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	2	#10 Lock Washer
X-199	2	1/4 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

(GCM-2064)	1	Comm. End Plate Assy.
GAR-73	1	Oil Wick
GAR-98A	1	Wick Cover
GBW-69	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GBW-1068B	1	Comm. End Cap Cover
GCJ-51	1	3rd Brush Plate Retaining Spring
GCJ-1014	1	3rd Brush Plate Assy.
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
GCM-1064A	1	Comm. End Plate Part Assy.
GBF-79	1	Absorbent Bronze Brg.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
GDF-1012‡	2	Brush - Main
GDF-1013‡	1	Brush - Third
X-195	5	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
8X-311	1	#10-32x3/8 Rd.Hd. Screw
8X-888	4	#8-32x5/16 Fill.Hd.Screw
GR-32	1	Felt Washer Retainer
X-195	2	#8 Lock Washer
8X-305	2	#8-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GCS-2049F	1	Armature Assy.
GAR-171	1	Snap Ring
SP-338	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-864	1	669 Lock Washer

Drive End Head Assembly & Parts Used With

GCS-1059	1	Drive End Head Assy.
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GCS-59	1	Drive End Head
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-295	1	Ball Bearing-SAE #203
X-489	1	1/4 Oiler - Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Screw
X-1270	3	#10 Skpf. Lock Washer

Miscellaneous Parts

GBW-1024A	1	Head Band Assy.
X-715	1	#10-32x1 1/4 Rd.Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

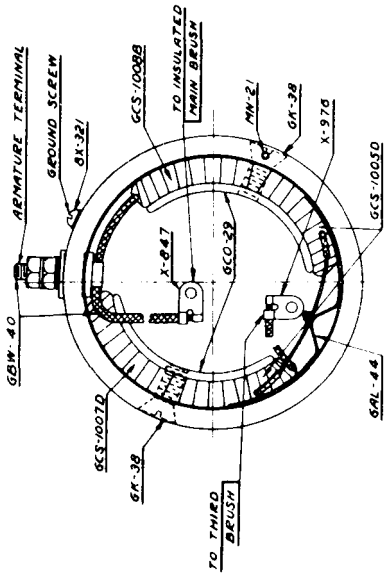
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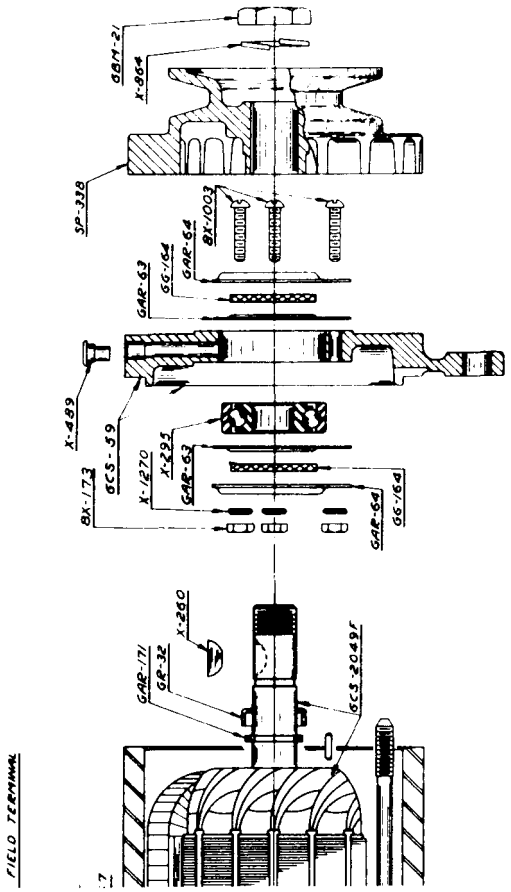
NOTE:- TC-4317A Two-Charge Regulator and Circuit Breaker is used with but is not a part of this generator.

‡ Service Brush Set GDF-2012S.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCS-4809A GENERATOR ILLUSTRATION





Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCO-20A	2	Frame Screw
(GCS-2048)	1	Frame & Field Assembly
GAL-44	1	Field Connection Ins.
GAR-211	1	Insulating Bushing
GCO-29	2	Pole Piece
GCS-1005A	1	FIELD COIL ASSY.- COMP.
GCS-1007A	1	Field Coil Assy.-Left
GAL-289	1	C. B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GCS-1008A	1	Field Coil Assy.-Right
X-767	1	Terminal
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
X-199	2	1/4 Lock Washer

Comm. End Plate Assy. & Parts Used With

(GCM-2002A)	1	Comm. End Plate Assembly
GAR-73	1	Oil Wick
GAR-98	1	Wick Cover
GBW-69	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GBW-1068B	1	Comm. End Cap Cover
GCJ-51	1	3rd Brush Plate Retaining Spring
GCJ-1012‡	2	Brush - Main
GCJ-1013‡	1	Brush - Third
GCJ-1014	1	3rd Brush Plate Assy.
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
GCM-1002C	1	C. E. Plate Part Assy.
GBF-79	1	ABSORBENT BRONZE BRG.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
X-195	5	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
8X-311	1	#10-32x3/8 Rd. Hd. Screw
8X-888	4	#8-32x5/16 Fill. Hd. Sc.
X-195	2	#8 Lock Washer
8X-305	2	#8-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GCS-2049F	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GR-32	1	Felt Washer Retainer
SP-322	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assy. & Parts Used With

GAR-1198A	1	Drive End Head Assembly
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GAR-198A	1	Drive End Head
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	BALL BRG.- S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Screw

Miscellaneous Parts

GBW-1024A	1	Head Band Assembly
TC-4302A	1	TWO CHARGE REGULATOR
X-196	4	#10 Lock Washer
8X-321	4	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

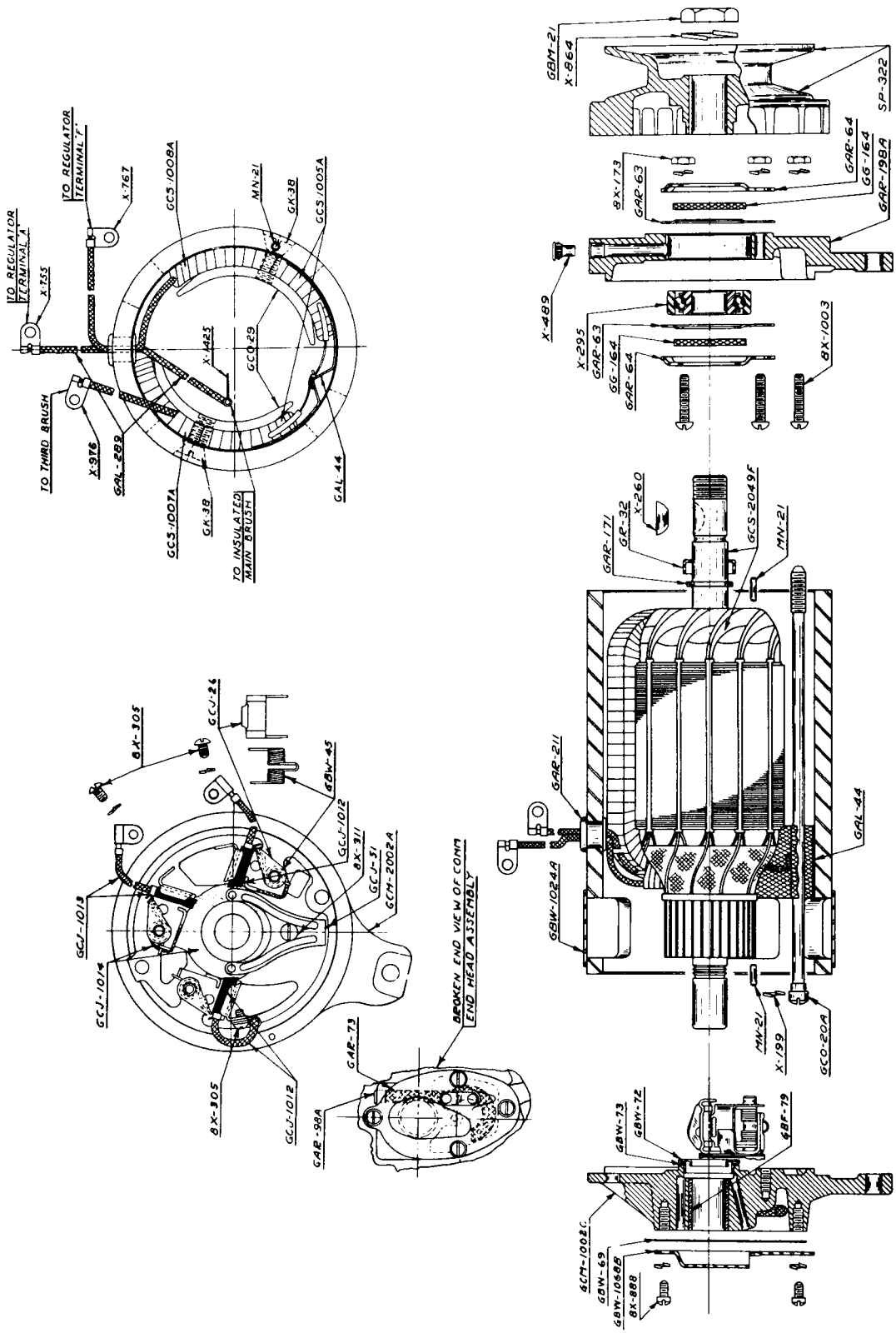
(Issued 8-21-39)

‡ Service BRUSH SET GDF-2012S.

UNIT	APPLICATION
GCS-4811A	Brockway

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCS-4811A GENERATOR ILLUSTRATION



Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCO-20A	2	Frame Screw
(GCS-2061)	1	Frame & Field Assembly
GAG-125S	1	Mounting Bracket
GAL-44	1	Field Connection Ins.
GAR-211	1	Insulating Bushing
GCO-29	2	Pole Piece
GCS-1005E	1	FIELD COIL ASSY.- COMP.
GCS-1007E	1	Field Coil Assy.-Left
GAL-298	1	C. B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GCS-1008C	1	Field Coil Assy.-Right
X-767	1	Terminal
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-113	2	5/16-24x5/8 Hex. Hd. Sc.
X-203	2	5/16 Lock Washer
X-199	2	1/4 Lock Washer

Comm. End Plate Assy. & Parts Used With

DA-22	1	Bearing Retaining Washer
DA-39	1	Flat Oil Guard
DA-60	1	Bearing Retaining Screw
GAJ-79	1	Bearing Spacer
GBJ-25	1	End Cap Cover Gasket
GBJ-32	1	Comm. End Cap Cover
(GCM-2031)	1	Comm. End Plate Assembly
GCJ-51	1	3rd Br. Plate Retaining Spring
GCJ-1012‡	2	Brush - Main
GCJ-1013‡	1	Brush - Third
GCJ-1014	1	3rd Brush Plate Assy.
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
GCM-1031	1	C. E. Plate Part Assy.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
8X-311	1	#10-32x3/8 Rd. Hd. Screw
GR-32	1	Felt Washer Retainer
GR-35	1	Felt Washer
X-195	2	#8 Lock Washer
X-199	1	1/4 Lock Washer
X-295	1	BALL BEARING - S.A.E. #203
8X-305	2	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCS-2036F	1	ARMATURE ASSEMBLY
GAR-171	2	Snap Ring
GJ-179	1	7/16 Plain Washer
GR-32	1	Felt Washer Retainer
SP-96	1	Ventilating Fan
X-160	1	7/16-20 Hex. Nut
X-205	1	7/16 Lock Washer
X-258	1	#3 Woodruff Key
X-261	1	#6 Woodruff Key

Drive End Head Assy. & Parts Used With

GAR-1062B	1	Drive End Head Assembly
GAR-62A	1	Drive End Head
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-295	1	BALL BRG.- S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Screw
X-1270	3	#10 Skpf. Washer

Miscellaneous Parts

GBW-1024A	1	Head Band Assembly
TC-4302A	1	TWO CHARGE REGULATOR
X-196	4	#10 Lock Washer
8X-321	4	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 8-21-39)

‡ Service BRUSH SET GDF-2012S.

UNIT	APPLICATION
GCS-4812	Brockway

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCS-4812 GENERATOR ILLUSTRATION

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCO-20A	2	Frame Screw
(GCS-2063)	1	Frame & Field Assembly
GAL-44	1	Field Connection Ins.
GAR-211	1	Insulating Bushing
GCO-29	2	Pole Piece
GCS-1005G	1	FIELD COIL ASSY. - COMP.
GCS-1007G	1	Field Coil Assy.-Left
GAL-346	1	C.B. Lead Assy.
X-755	1	Terminal
X-847	1	Terminal
X-976	1	Terminal
GCS-1008C	1	Field Coil Assy.-Right
X-767	1	Terminal
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
X-199	2	1/4 Lock Washer

Comm. End Plate Assembly & Parts Used With

(GCM-2002A)	1	Comm. End Plate Assy.
GAR-73	1	Oil Wick
GAR-98	1	Wick Cover
GBW-69	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GBW-1068B	1	Comm. End Cap Cover
GCJ-51	1	3rd Brush Plate Retaining Spring
GCJ-1014	1	3rd Brush Plate Assy.
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
GCJ-1012‡	2	Brush - Main
GCJ-1013‡	1	Brush - Third
GCM-1002C	1	Comm. End Plate Part Assy.
GBF-79	1	ABSORBENT BRONZE BRG.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
X-195	5	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
8X-311	1	#10-32x3/8 Rd. Hd. Screw
8X-888	4	#8-32x5/16 Fill. Hd. Sc.
X-195	2	#8 Lock Washer
8X-305	2	#8-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GCS-2049F	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GR-32	1	Felt Washer Retainer
SP-246	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GBJ-1003E	1	Drive End Head Assembly
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GBJ-3E	1	D.E. Head
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	BALL BEARING - S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Screw

Miscellaneous Parts

GBW-1024A	1	Head Band Assembly
TC-4302A	1	TWO CHARGE REGULATOR
X-196	4	#10 Lock Washer
8X-321	4	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

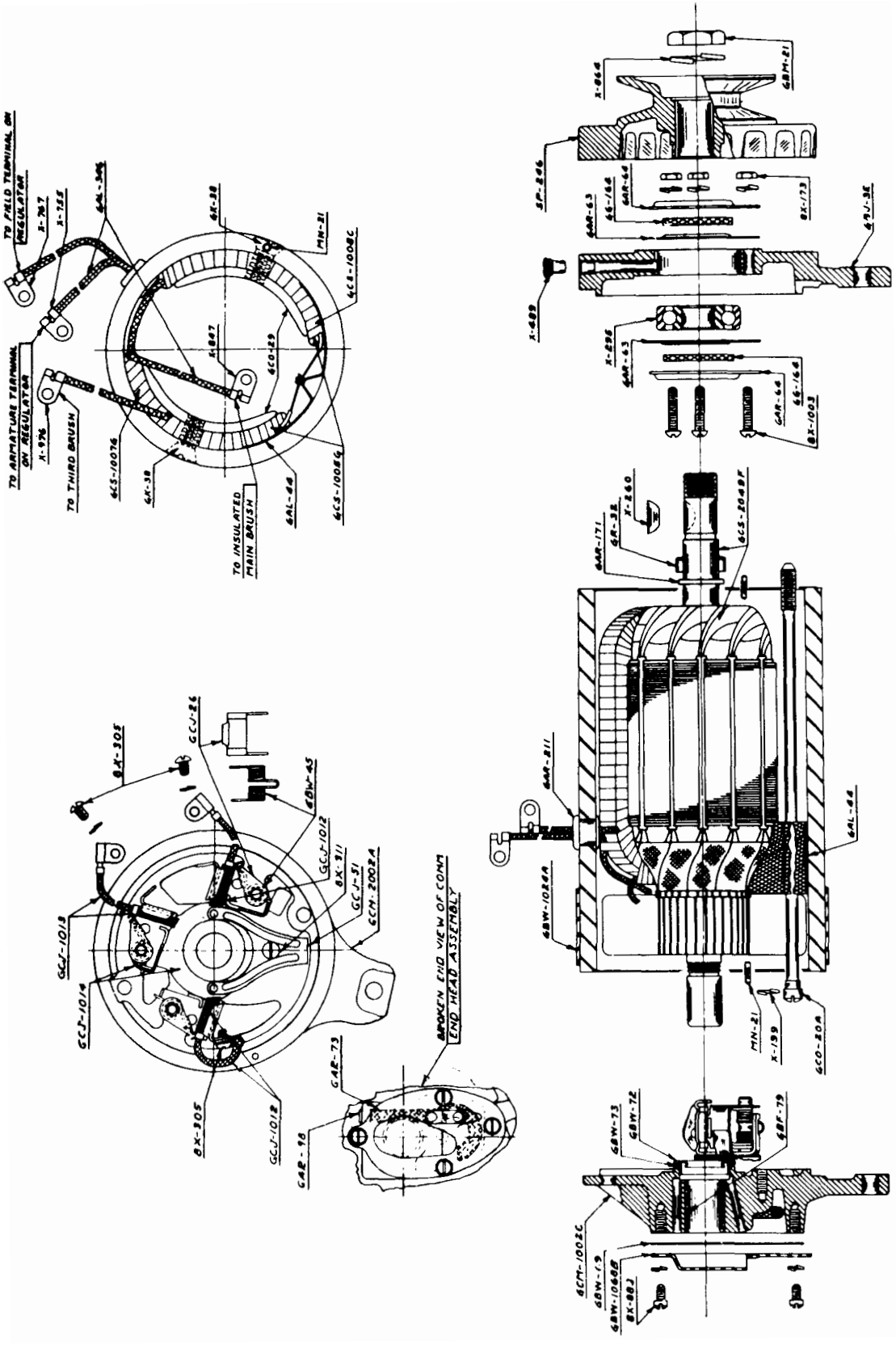
(Issued 4-3-39)

UNIT	APPLICATION
GCS-4813A	Auburn

‡ Service BRUSH SET GDF-2012S.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCS-4813A GENERATOR ILLUSTRATION



Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part 1 2 3 4 5
GCS-20	2	Frame Screw
(GCS-2051)	1	Frame & Field Assembly
GAL-44	1	Field Connection Ins.
GAR-211	1	Insulating Bushing
GCO-29	2	Pole Piece
GCS-1005A	1	FIELD COIL ASSY.- Comp.
GCS-1007A	1	Field Coil Assy.-Left
GAL-289	1	C.B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GCS-1008A	1	Field Coil Assy.-Right
X-767	1	Terminal
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
X-199	2	1/4 Lock Washer

Comm. End Plate Assy. & Parts Used With

DA-39	2	Flat Oil Guard
DA-132	1	Felt Washer
GAB-188	1	Felt Washer
GAR-82	1	Air Deflector
GAR-83	1	Comm. End Cap Cover
GBJ-25	1	End Cap Cover Gasket
(GCM-2035)	1	Comm. End Plate Assembly
GCJ-51	1	3rd Brush Plate Retaining Spring
GCJ-1012‡	2	Brush - Main
GCJ-1013‡	1	Brush - Third
GCJ-1014	1	3rd Brush Plate Assy.
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
GCM-1035	1	C. E. Plate Part Assy.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
8X-311	1	#10-32x3/8 Rd. Hd. Sc.
GR-32	1	Felt Washer Retainer
X-62	6	#10-32x3/8 Flat Hd. Screw
X-195	2	#8 Lock Washer
X-295	1	BALL BEARING - S.A.E. #203
8X-305	2	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type

Armature Assembly & Parts Used With

GAR-1177	1	Oil Thrower Assembly
GBM-21	1	Armature Shaft Nut
GCS-2038F	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
SP-96	1	Ventilating Fan
X-156	1	1/2-20 Castellated Nut
X-258	1	#3 Woodruff Key
X-263	1	#8 Woodruff Key
X-358	1	1/2 Plain Steel Washer
X-404	1	3/32x1 Cotter Pin
X-864	1	.669 Lock Washer 1 2 3 4 5

Drive End Head Assy. & Parts Used With

Part No.	No. Used	Name of Part 1 2 3 4 5
GAR-1096	1	Drive End Head Assembly
GAR-95	1	Felt Washer
GAR-96	1	Drive End Head
GX-9	1	D. E. Packing Retainer
GX-10	1	Gasket
X-196	3	#10 Lock Washer
8X-311	3	#10-32x3/8 Rd. Hd. Sc.
X-378	1	BALL BRG.- S.A.E. #204
		Oil Seal

Miscellaneous Parts

GBW-1024A	1	Head Band Assembly
TC-4302A	1	TWO CHARGE REGULATOR
X-196	4	#10 Lock Washer
8X-321	4	#10-32x5/16 Rd. Hd. Sc.
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut 1 2 3 4 5

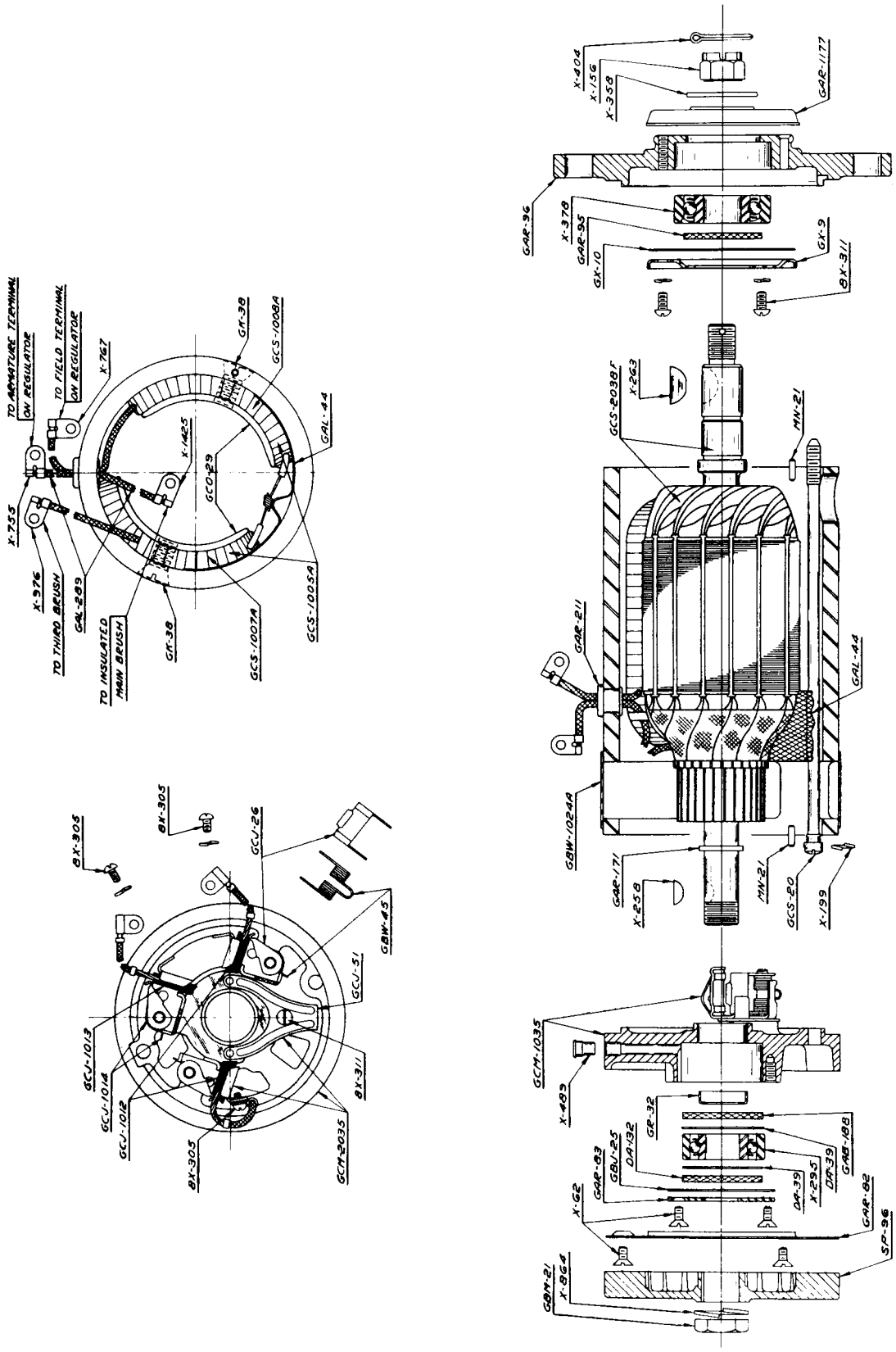
(Issued 5-2-40)

‡ Service BRUSH SET GDF-2012S.

UNIT	APPLICATION
GCS-4814	Hercules, Worthington

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCS-4814 GENERATOR ILLUSTRATION



Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCS-20	2	Frame Screw
(GCS-2051)	1	Frame & Field Assembly
GAL-44	1	Field Connection Ins.
GAR-211	1	Insulating Bushing
GCO-29	2	Pole Piece
GCS-1005A	1	FIELD COIL ASSY.- Comp.
GCS-1007A	1	Field Coil Assy.-Left
GAL-289	1	C.B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GCS-1008A	1	Field Coil Assy.-Right
X-767	1	Terminal
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
X-199	2	1/4 Lock Washer

Comm. End Plate Assy. & Parts Used With

DA-39	2	Flat Oil Guard
DA-132	1	Felt Washer
GAB-188	1	Felt Washer
GAR-82	1	Air Deflector
GAR-83	1	Comm. End Cap Cover
GBJ-25	1	End Cap Cover Gasket
(GCM-2035)	1	Comm. End Plate Assembly
GCJ-51	1	3rd Brush Plate Retaining Spring
GCJ-1012‡	2	Brush - Main
GCJ-1013‡	1	Brush - Third
GCJ-1014	1	3rd Brush Plate Assy.
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
GCM-1035	1	C. E. Plate Part Assy.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
8X-311	1	#10-32x3/8 Rd. Hd. Sc.
GR-32	1	Felt Washer Retainer
X-62	6	#10-32x3/8 Flat Hd. Screw
X-195	2	#8 Lock Washer
X-295	1	BALL BEARING - S.A.E. #203
8X-305	2	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DG-1144	1	Oil Thrower Assembly
GBM-21	1	Armature Shaft Nut
GCS-2033F	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
SP-96	1	Ventilating Fan
X-157	1	1/2-20 Slotted Nut
X-258	1	#3 Woodruff Key
X-263	1	#8 Woodruff Key
X-358	1	1/2 Plain Steel Washer
X-404	1	3/32x1 Cotter Pin
X-864	1	.669 Lock Washer

Drive End Head Assy. & Parts Used With

GAR-1192	1	Drive End Head Assembly
GAE-47	1	Bearing Retainer
GAR-192	1	Drive End Head
8X-66	3	#10-32x1/2 Flat Hd. Sc.
X-378	1	BALL BEARING - Oil Seal

Miscellaneous Parts

GBW-1024A	1	Head Band Assembly
TC-4302A	1	TWO CHARGE REGULATOR
X-196	4	#10 Lock Washer
8X-321	4	#10-32x5/16 Rd. Hd. Sc.
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

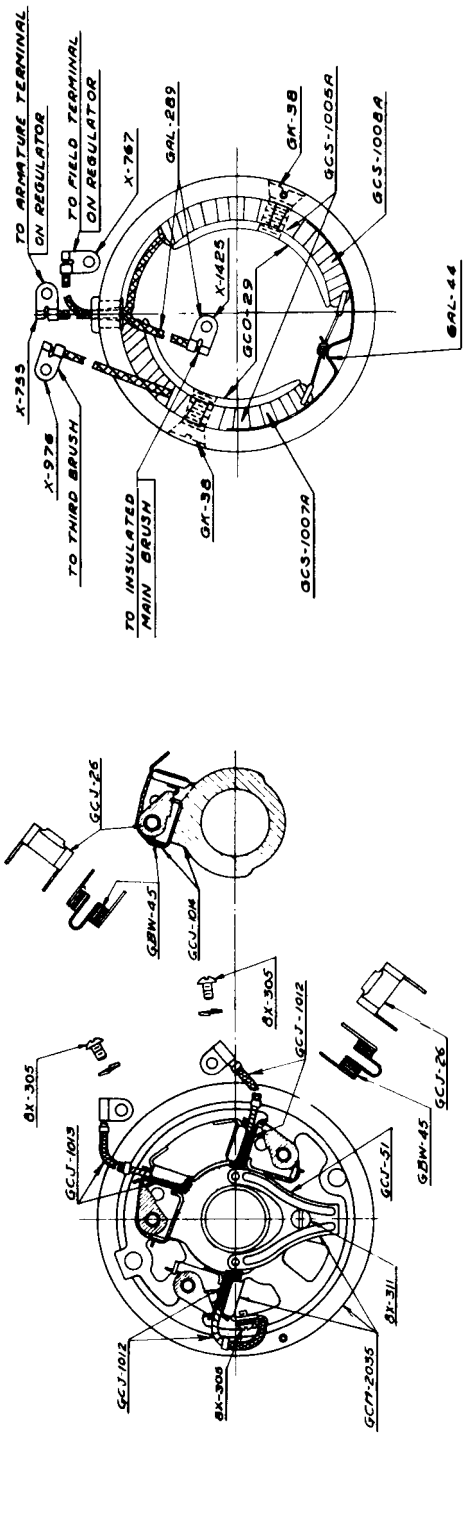
(Issued 5-2-40)

‡ Service BRUSH SET GDF-2012S.

UNIT	APPLICATION
GCS-4815	Hercules

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCS-4815 GENERATOR ILLUSTRATION



GCT-4803 GENERATOR PARTS LIST GCT-4803

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GCT-2054)	1	Frame & Field Assy.
GAA-31	1	Bushing, Ins., Arm. Term.
GAA-32	1	Washer, Ins., Arm. Term.
GAG-125S	1	Bracket, Mounting
GAL-44	1	Insulation, Field Connection
GBF-54	1	Bushing, Ins., Field Term.
GBW-34	1	Washer, Ins., Field Term.
GBW-40	1	Lead Assy.
GAA-27	1	Stud, Arm. Terminal, #14-24
X-847	1	Terminal
GBW-66	1	Insulation, Arm. Terminal, Inner
GBW-67	1	Insulation, Field Terminal, Inner
GCT-1005	1	Coil Assy., Field, Comp.
GBW-58	1	Stud, Field Term., #10-32
GCT-1007	1	Coil Assy., Field, Left
X-976	1	Terminal
GCT-1008	1	Coil, Field, Right
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel, Head Locating
8X-113	2	Screw, Bracket, Hex. hd., 5/16-24x5/8
5X-177	2	Nut, Arm. Term., Hex., #14-24
X-193	2	Washer, Lock, Arm. Term., #14
X-196	2	Washer, Lock, Field Term., #10
X-203	2	Washer, Lock, Bracket Sc., 5/16
8X-349	1	Washer, Plain, Field Term., #10
8X-361	1	Washer, Plain, Arm. Term., #10
5X-1377	2	Nut, Field Term., Hex., #10-32
GK-20	2	Bolt, Thru
X-196	1	Washer, Lock, Ground Sc., #10
X-199	2	Washer, Lock, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. hd., #10-32x5/16

Comm. End Head Assembly & Parts Used With

(GCJ-2056)	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBW-69	1	Gasket, Comm. End, Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GBW-1068	1	Cover, Comm. End
GCJ-51	1	Spring, Retaining, 3rd Brush Plate
GCJ-1012‡	2	Brush, Main
		1 2 3 4 5

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCJ-1013‡	1	Brush, Third
GCJ-1014	1	Plate Assy., 3rd Brush
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1056A	1	Head Assy., Partial, C.E.
GBF-79	1	Bearing, Absorbent Bronze
GBW-45	2	Spring, Brush
GCJ-26	2	Arm, Brush
X-195	4	Washer, Lock, Cover Sc., #8
8X-311	1	Screw, Plate Retaining, Rd. hd., #10-32x3/8
8X-888	4	Screw, Cover, Fil. hd., #8-32x5/16
X-195	3	Washer, Lock, Brush Lead, #8
8X-1507	3	Screw, Brush Lead, Bdg. hd., #8-32x1/4

Armature Assembly & Parts Used With

GCT-2055	1	Armature Assy.
GAR-171	1	Snap Ring
GJ-104	1	Spacer, Armature Shaft
GJ-179	1	Washer, Plain, Armature Shaft
X-160	1	Nut, Armature Shaft, Hex., 7/16-20
X-205	1	Washer, Lock, Armature Shaft, 7/16
X-261	1	Key, Woodruff, #6

Drive End Head Assembly & Parts Used With

GAL-1063A	1	Head Assy., Drive End
GAL-63	1	Head
GG-6	2	Retainer, Bearing
GG-164	1	Washer, Felt
GK-176	1	Retainer, Felt Washer
8X-173	3	Nut, Retainer Screw, Hex., #10-32
X-196	3	Washer, Lock, Retainer Screw, #10
8X-316	3	Screw, Retainer, Rd. hd., #10-32x3/4
X-441	1	Bearing, Ball, Shielded, S.A.E. #203
X-489	1	Oiler, Hinge Top, Press in, 1/4

Miscellaneous Parts

GBW-24B	1	Band, Cover
X-715	1	Screw, Cover Band, Rd. hd., #10-32x1 1/4
8X-794	1	Nut, Cover Band, Square, #10-32
		1 2 3 4 5

(Issued 3-15-44)

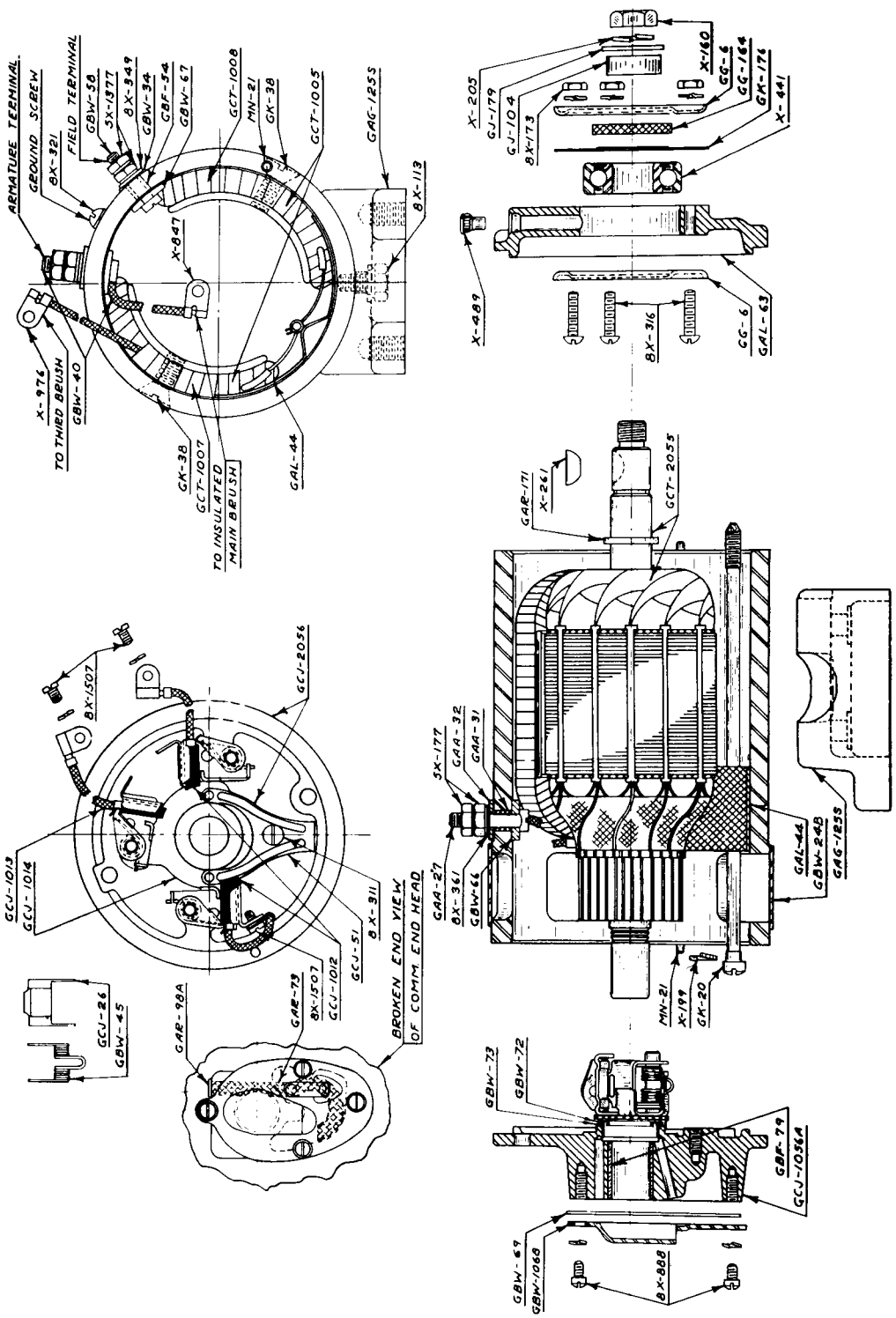
‡ Brush Set, Service, GCJ-2012S.

Printed in U. S. A.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

File in Equipment & Parts List Binder

GCT-4803 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GCT-2039)	1	Frame & Field Assy.
GAA-32	2	Washer, Ins., Arm. Term.
GAL-44	1	Insulation, Field Connection
GBW-34	1	Washer, Ins., Field Term.
GBW-40	1	Lead Assy.
GAA-27	1	Stud, Arm. Term., #14-24
X-847	1	Terminal
GBW-66	1	Insulation, Arm. Term., Inner
GBW-67	1	Insulation, Field Term., Inner
GCT-25	2	Bushing, Ins., Arm. Term.
GCT-1005C	1	COIL ASSY., FIELD, COMPLETE
GCT-1007	1	Coil Assy., Field, Left
X-976	1	Terminal
GCT-1008C	1	Coil Assy., Field, Right
GCT-33	1	Lead Assy.
GAA-27	1	Stud, Arm. Term., #14-24
X-847	1	Terminal
GEB-58	1	Stud, Field Term., #10-32
GCY-25	1	Bushing, Ins., Field Term.
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
5X-177	4	Nut, Arm. Term., Hex. #14-24
12X-193	4	Lockwasher, Arm. Term., #14
12X-196	2	Lockwasher, Field Term., #10
8X-349	1	Washer, Field Term., Plain #10
8X-361	2	Washer, Arm. Term., Plain 1/4
5X-1377	2	Nut, Field Term., Hex. #10-32
GK-20A	2	Bolt, Thru
12X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

GCJ-2002F	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBW-69	1	Gasket, C.E. Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Retaining
GBW-1068	1	Cover, Comm. End
GCJ-51	1	Spring, Retaining, 3rd Brush Plate
GCJ-1002M	1	Head Assy., Partial, C.E.
GBF-79	1	BEARING, ABS. BRONZE
GBW-45	2	Spring, Brush
GCJ-26	2	Arm, Brush

Comm. End Head Assy. (Continued)

Part No.	No. Used	Name of Part
GCJ-1012 †	2	Brush, Main
GCJ-1013 †	1	Brush, Third
GCJ-1014	1	Plate Assy., 3rd Brush
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
X-195	4	Lockwasher, Cover Sc., #8
8X-311	1	Screw, Spring, Rd. Hd. #10-32x3/8
8X-888	4	Screw, C.E. Cover, Fill. Hd. #8-32x5/16
12X-195	3	Lockwasher, Brush Lead Sc., #8
8X-1507	3	Screw, Brush Lead, Bdg. Hd. #8-32x1/4

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm. Shaft
GCT-2006	1	ARMATURE ASSY.
GAR-171	1	Snap Ring
GR-32	1	Retainer, Felt Washer
*	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
8X-864	1	Lockwasher, Shaft

Drive End Head Assy. & Parts Used With

GBJ-1003C	1	Head Assy., Drive End
GAR-63	2	Retainer, Felt Washer
GAR-64	2	Retainer, Bearing
GBJ-3C	1	Head
GG-164	2	Washer, Felt
8X-173	3	Nut, Retainer Sc., Hex. #10-32
X-196	3	Lockwasher, Retainer Sc., #10
X-295	1	BEARING, BALL, S.A.E. #203
X-489	1	Oiler
8X-1003	3	Screw, Retainer, Rd. Hd. #10-32x7/8

Miscellaneous Parts

GBW-24B	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GCJ-2012S.

* See table following parts list for part number applying to assembly wanted.

NOTE: VRT-4003A-1 CURRENT VOLTAGE REGULATOR is used with but is not a part of this generator.

Assembly No.	Pulley
GCT-4812A-1	SP-336
GCT-4812B-1	SP-266

UNIT	APPLICATION
GCT-4812A-1,B-1	Hill Diesel

(Issued 10-15-48)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCU-4801 GENERATOR PARTS LIST GCU-4801

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCO-20A	2	Bolt, Thru
(GCU-2051)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GAR-211	1	Bushing, Insulating
GCU-1005	1	Coil Assy., Field, Comp.
GCU-1007	1	Coil Assy., Field, Left
GAL-289	1	Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GCU-1008	1	Coil Assy., Field, Right
X-767	1	Terminal
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel, Head Locating
X-199	2	Washer, Lock, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

DA-39	2	Washer, Plain, Felt Retaining
DA-132	1	Washer, Felt, C.E., Outer
GAB-188	1	Washer, Felt, C.E., Inner
GAR-82	1	Deflector, Air
GAR-83A	1	Cover, Comm. End
GBJ-25	1	Gasket, Comm. End Cover
(GCM-2035)	1	Head Assy., Comm. End
GCJ-51	1	Spring, Retaining, 3rd Brush Plate
GCJ-1012‡	2	Brush, Main
GCJ-1013‡	1	Brush, Third
GCJ-1014	1	Plate Assy., 3rd Brush
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCM-1035	1	Head Assy., Partial, C.E.
GBW-45	2	Spring, Brush
GCJ-26	2	Arm, Brush
8X-311	1	Screw, Plate Retaining, Rd. hd., #10-32x3/8
8X-66	3	Screw, Air Deflector, Flat hd., #10-32x1/2
X-195	3	Washer, Lock, Brush Lead, #8
X-295	1	Bearing, Ball, S.A.E. #203
8X-305	3	Screw, Brush Lead, Rd. hd., #8-32x1/4
X-489	1	Oiler, Hinge Top, Press in, 1/4
8X-726	3	Screw, Attaching, C.E. Cover, Bdg. hd., #10-32x7/16
X-1270	3	Washer, Skpf., C.E. Cover Sc., #10
X-1621	3	Washer, Skpf., Air Deflector Screw, #10
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DG-1144	1	Oil Thrower
GBM-21	1	Nut, Armature Shaft
GCR-2033F	1	Armature Assy.
GAR-171	1	Snap Ring
GR-32	1	Retainer, Felt Washer
SP-96C	1	Fan, Ventilating
X-157	1	Nut, Armature Shaft, Hex., 1/2-20
X-258	1	Key, Woodruff, #3
X-263	1	Key, Woodruff, #8
X-358	1	Washer, Plain, Arm. Shaft, 1/2
X-404	1	Pin, Cotter, 3/32x1
X-864	1	Washer, Lock, Arm. Shaft, .669

Drive End Head Assembly & Parts Used With

GAR-1192	1	Head Assy., Drive End
GAE-47	1	Retainer, Bearing
GAR-192	1	Head
8X-66	3	Screw, Retainer, Flat hd., #10-32x1/2
X-378	1	Bearing, Ball, Shielded, S.A.E. #204
X-1621	3	Washer, Skpf., Retainer Sc., #10

Miscellaneous Parts

GBW-1024B	1	Band, Cover
TC-4310A	1	Regulator
X-196	4	Washer, Lock, Regulator Mtg., #10
8X-321	4	Screw, Mtg., Regulator, Rd. hd., #10-32x5/16
X-715	1	Screw, Cover Band, Rd. hd., #10-32x1 1/4
8X-794	1	Nut, Cover Band, Square, #10-32
		1 2 3 4 5

(Issued 3-15-44)

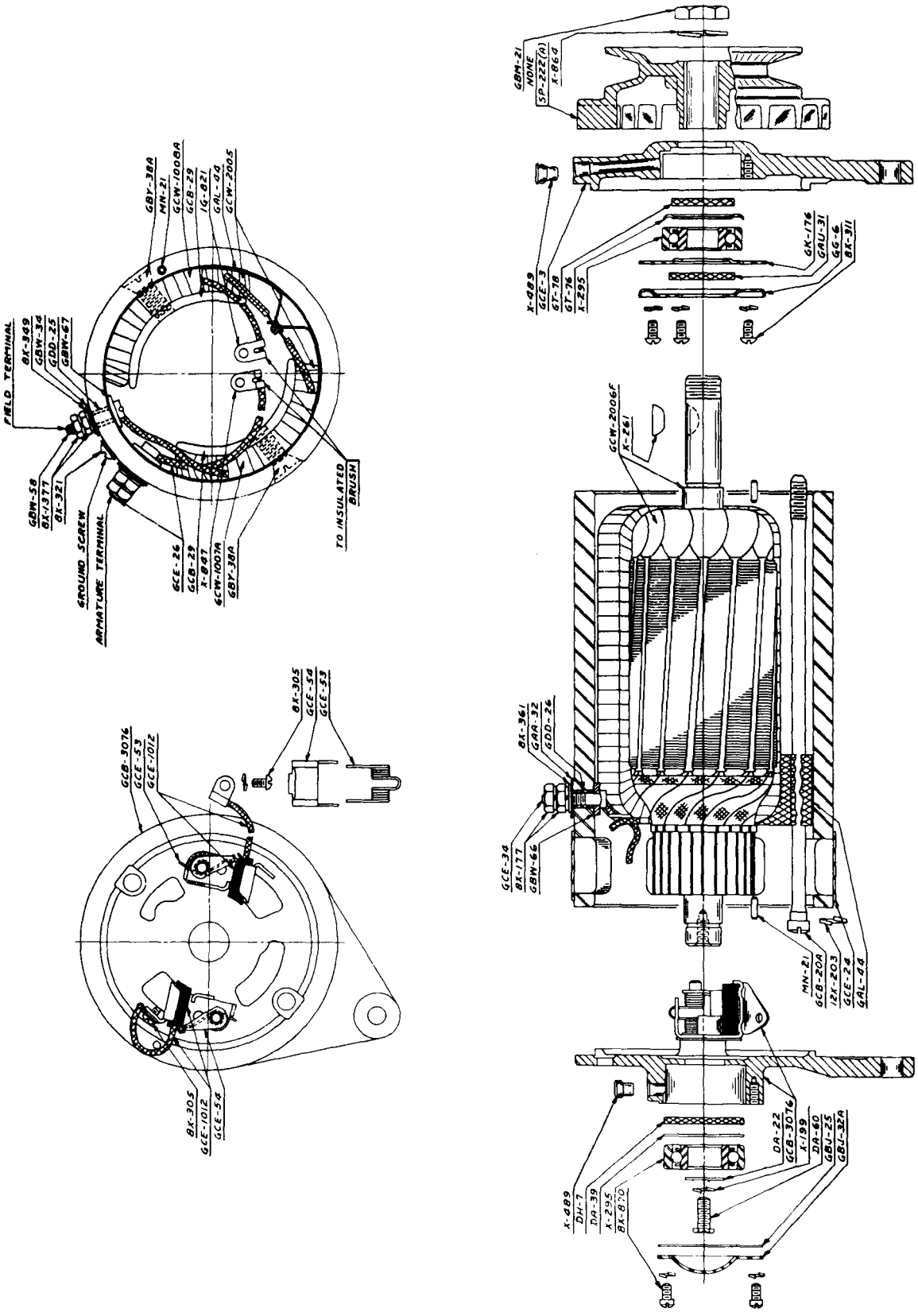
‡ Brush Set, Service, GCJ-2012S.

Printed in U. S. A.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

File in Equipment & Parts List Binder

GCW-4802,A GENERATOR ILLUSTRATION



Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part 1 2 3 4 5
GCB-20A	2	Frame Screw
(GCW-3056)	1	Frame & Field Assembly
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-58	1	Terminal Post
GBW-66	1	Term. Post Bottom Ins.
GBW-67	1	Term. Post Bottom Ins.
GBY-38A	4	Pole Piece Screw
GCB-29	2	Pole Piece
GCW-2005	1	FIELD COIL ASSY.- COMP.
GCW-1007A	1	Field Coil Assy.-Left
GCE-26	1	Control Lead
GCE-34	1	Terminal Post
X-847	1	Terminal
GCW-1008A	1	Field Coil Assy.-Right
IG-821	1	Terminal
GDD-25	1	Insulating Bushing
GDD-26	1	Insulating Bushing
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	2	#10 Lock Washer
12X-203	2	5/16 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assy. & Parts Used With

DA-22	1	Bearing Retaining Washer
DA-39	1	Flat Oil Guard
DA-60	1	Bearing Retaining Screw
DH-7	1	Felt Washer
GBJ-25	1	End Cap Cover Gasket
GBJ-32A	1	Comm. End Cap Cover
GCB-3076	1	Comm. End Plate Assembly
GCE-53	2	Brush Spring
GCE-54	2	Brush Arm
GCE-1012‡	2	Brush - Main
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-195	1	#8 Lock Washer
X-199	1	1/4 Lock Washer
X-295	1	BALL BEARING - S.A.E. #203
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
12X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Screw

1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part 1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GCW-2006F	1	ARMATURE ASSEMBLY
*	1	Drive Pulley
X-261	1	#6 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assy. & Parts Used With

GCE-1003	1	Drive End Head Assembly
GAU-31	1	Felt Washer
GCE-3	1	Drive End Head
GG-6	1	Bearing Retainer
GK-176	1	Felt Washer Retainer
GT-76	1	Felt Washer Retainer
GT-78	1	Felt Washer
X-196	3	#10 Lock Washer
X-295	1	BALL BRG.- S.A.E. #203
8X-311	3	#10-32x3/8 Rd. Hd. Sc.
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

GCE-24	1	Head Band Assembly
8X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut

1 2 3 4 5

(Issued 8-21-39)

Assembly No.	Drive Pulley
GCW-4802	None
GCW-4802A	SP-222

NOTE:- VRE-4001C CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

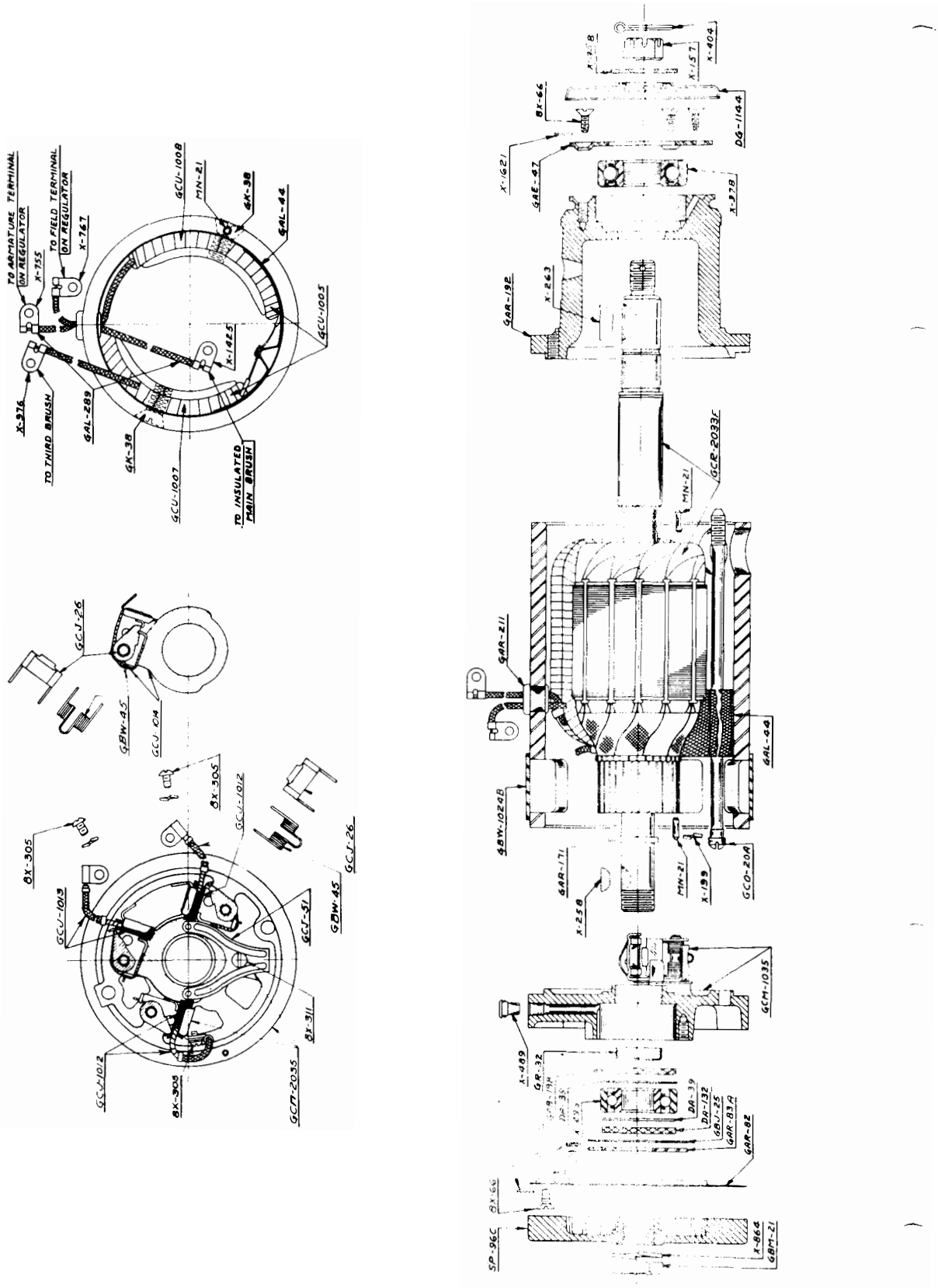
* See table following parts list for part number applying to assembly wanted.

‡ Service BRUSH SET GCE-2012S.

UNIT	APPLICATION
GCW-4802,A	Chrysler Marine

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCU-4801 GENERATOR ILLUSTRATION



GCU-4801 GENERATOR PARTS LIST GCU-4801

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCO-20A	2	Bolt, Thru
(GCU-2051)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GAR-211	1	Bushing, Insulating
GCU-1005	1	Coil Assy., Field, Comp.
GCU-1007	1	Coil Assy., Field, Left
GAL-289	1	Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GCU-1008	1	Coil Assy., Field, Right
X-767	1	Terminal
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel, Head Locating
X-199	2	Washer, Lock, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

DA-39	2	Washer, Plain, Felt Retaining
DA-132	1	Washer, Felt, C.E., Outer
GAB-188	1	Washer, Felt, C.E., Inner
GAR-82	1	Deflector, Air
GAR-83A	1	Cover, Comm. End
GBJ-25	1	Gasket, Comm. End Cover
(GCM-2035)	1	Head Assy., Comm. End
GCJ-51	1	Spring, Retaining, 3rd Brush Plate
GCJ-1012‡	2	Brush, Main
GCJ-1013‡	1	Brush, Third
GCJ-1014	1	Plate Assy., 3rd Brush
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCM-1035	1	Head Assy., Partial, C.E.
GBW-45	2	Spring, Brush
GCJ-26	2	Arm, Brush
8X-311	1	Screw, Plate Retaining, Rd. hd., #10-32x3/8
8X-66	3	Screw, Air Deflector, Flat hd., #10-32x1/2
X-195	3	Washer, Lock, Brush Lead, #8
X-295	1	Bearing, Ball, S.A.E. #203
8X-305	3	Screw, Brush Lead, Rd. hd., #8-32x1/4
X-489	1	Oiler, Hinge Top, Press in, 1/4
8X-726	3	Screw, Attaching, C.E. Cover, Bdg. hd., #10-32x7/16
X-1270	3	Washer, Skpf., C.E. Cover Sc., #10
X-1621	3	Washer, Skpf., Air Deflector Screw, #10
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DG-1144	1	Oil Thrower
GBM-21	1	Nut, Armature Shaft
GCR-2033F	1	Armature Assy.
GAR-171	1	Snap Ring
GR-32	1	Retainer, Felt Washer
SP-96C	1	Fan, Ventilating
X-157	1	Nut, Armature Shaft, Hex., 1/2-20
X-258	1	Key, Woodruff, #3
X-263	1	Key, Woodruff, #8
X-358	1	Washer, Plain, Arm. Shaft, 1/2
X-404	1	Pin, Cotter, 3/32x1
X-864	1	Washer, Lock, Arm. Shaft, .669

Drive End Head Assembly & Parts Used With

GAR-1192	1	Head Assy., Drive End
GAE-47	1	Retainer, Bearing
GAR-192	1	Head
8X-66	3	Screw, Retainer, Flat hd., #10-32x1/2
X-378	1	Bearing, Ball, Shielded, S.A.E. #204
X-1621	3	Washer, Skpf., Retainer Sc., #10

Miscellaneous Parts

GBW-1024B	1	Band, Cover
TC-4310A	1	Regulator
X-196	4	Washer, Lock, Regulator Mtg., #10
8X-321	4	Screw, Mtg., Regulator, Rd. hd., #10-32x5/16
X-715	1	Screw, Cover Band, Rd. hd., #10-32x1 1/4
8X-794	1	Nut, Cover Band, Square, #10-32
		1 2 3 4 5

(Issued 3-15-44)

‡ Brush Set, Service, GCJ-2012S.

Printed in U. S. A.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

File in Equipment & Parts List Binder

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCB-20	2	Frame Screw
(GCW-2030A)	1	Frame & Field Assy.
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-58	1	Terminal Post
GBW-66	1	Terminal Post Bottom Ins.
GBW-67	1	Terminal Post Ins.
GBY-38	4	Pole Piece Screw
GCB-29	2	Pole Piece
GCW-1005	1	Field Coil Assy. - Comp.
GCW-1007	1	Field Coil Assy.-Left
GCE-26	1	Control Lead
GCE-34	1	Terminal Post
X-847	1	Terminal
IG-821	1	Terminal
GCW-1008	1	Field Coil - Right
GDD-25	1	Insulating Bushing
GDD-26	1	Insulating Bushing
MN-21	2	Dowel Pin
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
5X-1377	1	#10-32 Hex. Nut
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	2	#10 Lock Washer
X-203	2	5/16 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Sc.
5X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

DA-22	1	Bearing Retaining Washer
DA-39	1	Flat Oil Guard
DA-60	1	Bearing Retaining Screw
DH-7	1	Felt Washer
GBJ-25	1	End Cap Cover Gasket
GBJ-32	1	Comm. End Cap Cover
GCE-2002E	1	Comm. End Plate Assy.
GCE-53	2	Brush Spring
GCE-54	2	Brush Arm
GCE-1012‡	2	Brush - Main
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Sc.
X-195	1	#8 Lock Washer
X-199	1	1/4 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
8X-305	1	#8-32x1/4 Rd. Hd. Sc.
X-489	1	1/4 Oiler - Press in Type
8X-544	3	#10 Lock Washer
X-870	3	#10-32x5/16 Fill. Hd. Sc.
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GCW-2060F	1	Armature Assembly
SP-251	1	Ventilating Fan
X-258	1	#3 Woodruff Key
X-261	1	#6 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GCE-1003C	1	Drive End Head Assy.
GAU-31	1	Felt Washer
GCE-3C	1	Drive End Head
GG-6	1	Bearing Retainer
GK-176	1	Felt Washer Retainer
GT-76	1	Felt Washer Retainer
GT-78	1	Felt Washer
X-196	3	#10 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
8X-311	3	#10-32x3/8 Rd. Hd. Sc.
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

GCE-24C	1	Head Band
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

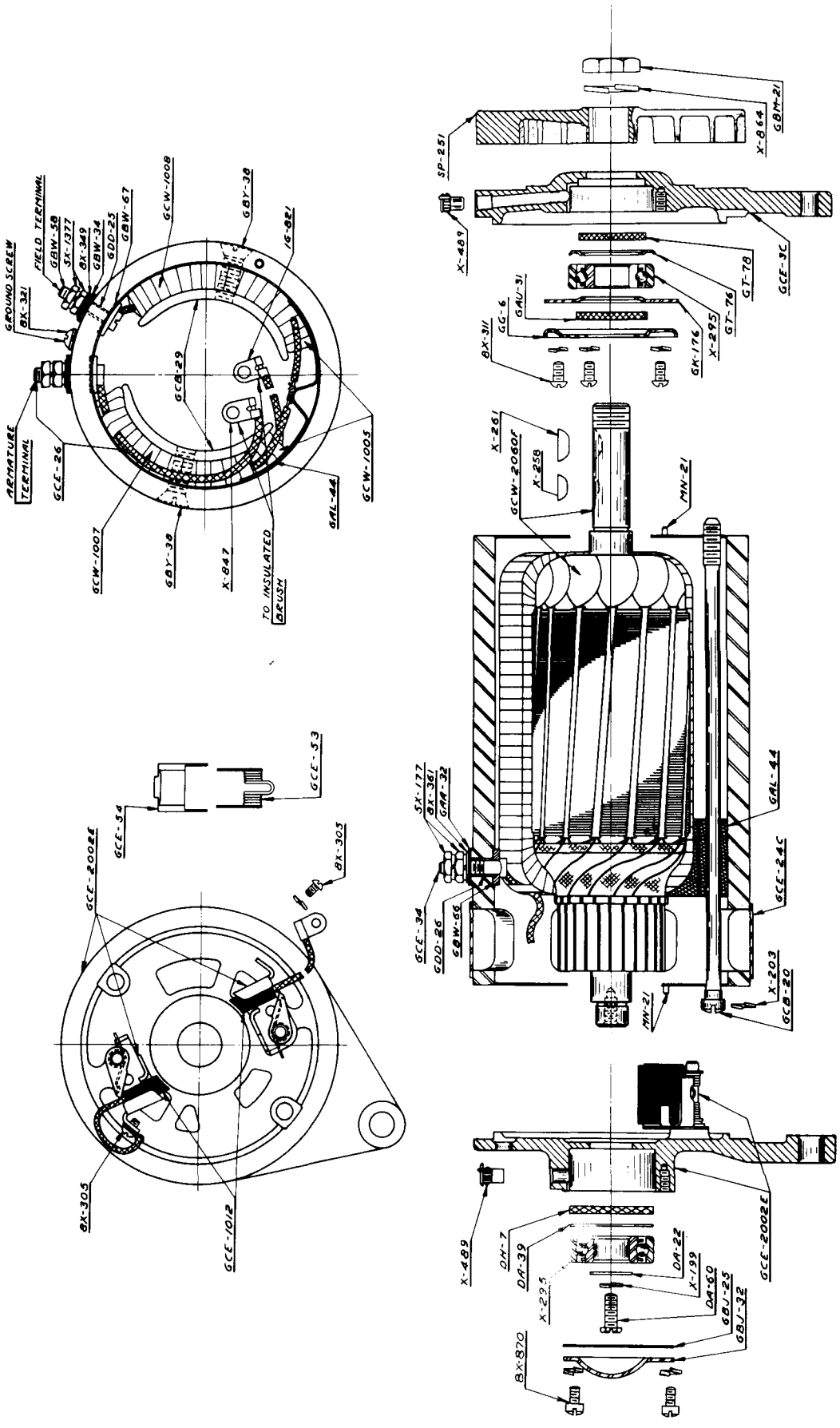
(Issued 12-6-37)

NOTE:- VRE-4002B Current Voltage Regulator is used with but is not a part of this generator.

‡ Service Brush Set GCE-2012S.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCW-4804A GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCX-20	2	Frame Screw
(GCX-2001)	1	Frame & Field Assy.
GAL-44	1	Field Connection Ins.
GCX-28	1	Insulating Bushing
GCX-29	2	Pole Piece
GCX-1005	1	Field Coil Assy.-Comp.
GCX-1007	1	Field Coil Assy.-Left
X-946	1	Terminal
GCX-1008	1	Field Coil Assy.-Right
X-947	1	Terminal
GK-38	4	Pole Piece Screw
MN-21	2	Dowel Pin
X-199	2	1/4 Lock Washer

Comm. End Plate Assembly & Parts Used With

GAS-69	1	Comm. End Cap Cover
GAS-70	1	End Cap Cover Gasket
GAS-71	1	Bearing Retaining Washer
(GCX-2002)	1	Comm. End Plate Assy.
GAL-12‡	2	Brush - Main
GAL-199	2	Brush Screw Block
GAL-204	1	Ground Connector Assy.
X-958	2	Terminal
GAL-205	2	3rd Brush Plate Retaining Spring
GAL-242	2	Brush Holder
GAL-2187B	1	3rd Brush Holder Plate Assy.
GAL-199	1	Brush Screw Block
GAL-242	1	Brush Holder
GAL-1187A	1	3rd Brush Plate Part Assy.
GAR-13‡	1	Brush - Third
GCX-19	1	Brush Spring
8X-59	1	#8-32x3/16 Rd. Hd. Sc.
X-195	1	#8 Lock Washer
X-1276	1	#8 Skpf. Washer
8X-1505	1	#8-32x9/16 Binding Head Screw
GCX-19	2	Brush Spring
GCX-1002	1	C.E. Plate Part Assy.
8X-59	2	#8-32x3/16 Rd. Hd. Sc.
8X-63	2	#8-32x3/8 Flat Hd. Sc.
X-195	4	#8 Lock Washer
8X-304	1	#8-32x5/16 Rd. Hd. Sc.
X-1276	1	#8 Skpf. Washer
8X-1505	2	#8-32x9/16 Binding Hd.Sc.
		1 2 3 4 5

Comm. End Plate Assembly (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
8X-61	1	#10-32x7/16 Flat Hd. Screw
X-63	3	#8-32x3/8 Flat Hd. Screw
X-1502	1	Ball Bearing - Oil Seal

Armature Assembly & Parts Used With

GBM-21	1	Armature Shaft Nut
GCX-23	1	Armature Shaft Spacer
GCX-2006F	1	Armature Assembly
GAR-171	1	Snap Ring
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GCX-1003	1	Drive End Head Assembly
GCX-3	1	D.E. Head
GG-6	2	Bearing Retainer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
8X-316	3	#10-32x3/4 Rd. Hd. Screw
X-1501	1	Ball Bearing - Oil Seal

Miscellaneous Parts

GAL-1024	1	Head Band Assembly
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 11-1-37)

‡ Service Brush Set GAL-2012A.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCX-4501 GENERATOR ILLUSTRATION

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCX-20	2	Frame Screw
(GCX-2032)	1	Frame & Field Assembly
GAA-30	1	Terminal Post Bottom Ins.
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GAM-73	1	Terminal Lead Assembly
GAA-27	1	Terminal Post
X-947	1	Terminal
GCT-25	1	Insulating Bushing
GCX-29	2	Pole Piece
GCX-1005A	1	FIELD COIL ASSY.- Comp.
GCX-1007	1	Field Coil Assy.-Left
X-946	1	Terminal
GDG-1008	1	Field Coil Assy.-Right
X-959	1	Terminal
GK-38	4	Pole Piece Screw
MN-21	2	Dowel Pin
8X-140	1	#6-32 Hex. Nut
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-194	1	#6 Lock Washer
8X-361	1	1/4 Plain Washer
8X-1008	1	#6-32x9/16 Rd. Hd. Sc.
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
X-199	2	1/4 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw

Comm. End Plate Assembly & Parts Used With

GAS-69	1	Comm. End Cap Cover
GAS-70	1	End Cap Cover Gasket
GAS-71	1	Bearing Retaining Washer
(GCX-2002A)	1	Comm. End Plate Assembly
GAL-12†	2	Brush - Main
GAL-199	2	Brush Screw Block
GAL-204	1	Ground Connector Assy.
X-958	2	Terminal
GAL-205	2	3rd Brush Plate Retaining Spring
GAL-242	2	Brush Holder
GAL-2187B	1	3rd Brush Holder Plate Assembly
GAL-199	1	Brush Screw Block
GAL-242	1	Brush Holder
GAL-1187A	1	3rd Brush Plate Part Assembly
GAR-13†	1	Brush - Third
GCX-19	1	Brush Spring
8X-59	1	#8-32x3/16 Rd. Hd. Sc.
X-195	1	#8 Lock Washer
X-1276	1	#8 Skpf. Washer
8X-1505	1	#8-32x9/16 Bdg. Hd. Sc.
GCX-19	2	Brush Spring
GDG-1002	1	C. E. Plate Part Assy.
8X-59	2	#8-32x3/16 Rd. Hd. Screw
8X-63	2	#8-32x3/8 Flat Hd. Screw
X-195	4	#8 Lock Washer
8X-304	1	#8-32x5/16 Rd. Hd. Screw
X-1276	1	#8 Skpf. Washer
8X-1505	2	#8-32x9/16 Bdg. Hd. Sc.
		1 2 3 4 5

Comm. End Plate Assembly (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
8X-61	1	#10-32x7/16 Flat Hd. Sc.
X-63	3	#8-32x3/8 Flat Hd. Screw
X-1502	1	BALL BEARING - Oil Seal

Armature Assembly & Parts Used With

GBM-21	1	Armature Shaft Nut
GCX-23	1	Armature Shaft Spacer
GCX-2006F	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GDG-1003	1	Drive End Head Assembly
GDG-3	1	Drive End Head
GG-6	2	Bearing Retainer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
8X-316	3	#10-32x3/4 Rd. Hd. Screw
X-1501	1	BALL BEARING - Oil Seal

Miscellaneous Parts

GBW-24	1	Head Band
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 4-18-41)

† SERVICE BRUSH SET GAL-2012A.

NOTE:- CBC-4001 CIRCUIT BREAKER is used with but is not a part of this generator.

UNIT	APPLICATION
GCX-4502	Parris Dunn

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

PRELIMINARY

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAU-20A	2	Frame Screw
(GCX-2033)	1	Frame & Field Assembly
GAA-30	1	Terminal Post Bottom Ins.
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GAM-73	1	Terminal Lead Assembly
GAA-27	1	Terminal Post
X-947	1	Terminal
GCT-25	1	Insulating Bushing
GCX-29	2	Pole Piece
GCX-1005A	1	FIELD COIL ASSY.- Comp.
GCX-1007	1	Field Coil Assy.-Left
X-946	1	Terminal
GDG-1008	1	Field Coil Assy.-Right
X-959	1	Terminal
GK-38	4	Pole Piece Screw
MN-21	2	Dowel Pin
8X-140	1	#6-32 Hex. Nut
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-194	1	#6 Lock Washer
8X-361	1	1/4 Plain Washer
8X-1008	1	#6-32x9/16 Rd. Hd. Screw
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
X-203	2	5/16 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw

Comm. End Plate Assembly & Parts Used With

(GCX-2036)	1	Comm. End Plate Assembly
GAL-12†	2	Brush - Main
GAL-199	2	Brush Screw Block
GAL-204	1	Ground Connector Assy.
X-958	2	Terminal
GAL-205	2	3rd Br. Plate Retaining Spring
GAL-242	2	Brush Holder
GCX-19	2	Brush Spring
GCX-1036	1	C. E. Plate Part Assy.
GCX-2037	1	3rd Brush Holder Plate Assembly
GAL-199	1	Brush Screw Block
GAL-242	1	Brush Holder
GAR-13†	1	Brush - Third
GCX-19	1	Brush Spring
GCX-1037	1	3rd Brush Plate Part Assembly
8X-59	1	#8-32x3/16 Rd. Hd. Sc.
X-195	1	#8 Lock Washer
X-1276	1	#8 Skpf. Lock Washer
8X-1505	1	#8-32x9/16 Bdg. Hd. Sc.
8X-59	2	#8-32x3/16 Rd. Hd. Screw
8X-63	2	#8-32x3/8 Flat Hd. Screw
X-195	4	#8 Lock Washer
8X-304	1	#8-32x5/16 Rd. Hd. Screw
X-1276	1	#8 Skpf. Washer
8X-1505	2	#8-32x9/16 Bdg. Hd. Sc.
X-1502	1	BALL BEARING - Oil Seal
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GCX-23	1	Armature Shaft Spacer
GCX-2034	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GCX-1035	1	Drive End Head Assembly
GCX-35	1	Drive End Head
GG-6	2	Bearing Retainer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
8X-316	3	#10-32x3/4 Rd. Hd. Screw
X-1501	1	BALL BEARING - Oil Seal

Miscellaneous Parts

GBW-24	1	Head Band
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 4-18-41)

† SERVICE BRUSH SET GAL-2012A.

NOTE:- CBC-4001 CIRCUIT BREAKER is used with but is not a part of this generator.

UNIT	APPLICATION
GCX-4503	Parris Dunn

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
	1 2 3 4 5	
GAU-20A	2	Frame Screw
(GCX-2033)	1	Frame & Field Assembly
GAA-30	1	Terminal Post Bottom Ins.
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GAM-73	1	Terminal Lead Assembly
GAA-27	1	Terminal Post
X-947	1	Terminal
GCT-25	1	Insulating Bushing
GCX-29	2	Pole Piece
GCX-1005A	1	FIELD COIL ASSY.- Comp.
GCX-1007	1	Field Coil Assy.-Left
X-946	1	Terminal
GDG-1008	1	Field Coil Assy.-Right
X-959	1	Terminal
GK-38	4	Pole Piece Screw
MN-21	2	Dowel Pin
8X-140	1	#6-32 Hex. Nut
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-194	1	#6 Lock Washer
8X-361	1	1/4 Plain Washer
8X-1008	1	#6-32x9/16 Rd. Hd. Screw
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
X-203	2	5/16 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw

Comm. End Plate Assembly & Parts Used With

(GCX-2036)	1	Comm. End Plate Assembly
GAL-12†	2	Brush - Main
GAL-199	2	Brush Screw Block
GAL-204	1	Ground Connector Assy.
X-958	2	Terminal
GAL-205	2	3rd Br. Plate Retaining Spring
GAL-242	2	Brush Holder
GCX-19	2	Brush Spring
GCX-1036	1	C. E. Plate Part Assy.
GCX-2037	1	3rd Brush Holder Plate Assembly
GAL-199	1	Brush Screw Block
GAL-242	1	Brush Holder
GAR-13†	1	Brush - Third
GCX-19	1	Brush Spring
GCX-1037	1	3rd Brush Plate Part Assembly
8X-59	1	#8-32x3/16 Rd. Hd. Sc.
X-195	1	#8 Lock Washer
X-1276	1	#8 Skpf. Lock Washer
8X-1505	1	#8-32x9/16 Bdg. Hd. Sc.
8X-59	2	#8-32x3/16 Rd. Hd. Screw
8X-63	2	#8-32x3/8 Flat Hd. Screw
X-195	4	#8 Lock Washer
8X-304	1	#8-32x5/16 Rd. Hd. Screw
X-1276	1	#8 Skpf. Washer
8X-1505	2	#8-32x9/16 Bdg. Hd. Sc.
X-1502	1	BALL BEARING - Oil Seal
	1 2 3 4 5	

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
	1 2 3 4 5	
GBM-21	1	Armature Shaft Nut
GCX-23	1	Armature Shaft Spacer
GCX-2034	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
X-260	1	#5 Woodruff Key
X-864	1	.869 Lock Washer

Drive End Head Assembly & Parts Used With

GCX-1035	1	Drive End Head Assembly
GCX-35	1	Drive End Head
GG-6	3	Bearing Retainer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
8X-316	3	#10-32x3/4 Rd. Hd. Screw
X-1501	1	BALL BEARING - Oil Seal

Miscellaneous Parts

GBW-24	1	Head Band
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
	1 2 3 4 5	

(Issued 4-18-41)

† SERVICE BRUSH SET GAL-2012A.

NOTE:- CBC-4001 CIRCUIT BREAKER is used with but is not a part of this generator.

UNIT	APPLICATION
GCX-4503	Parris Dunn

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

PRELIMINARY

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GBH-3001)	1	Frame & Field Assembly
GBF-55	1	Insulating Washer
GBG-22	1	Terminal Post
GBG-23	1	Terminal Post
GBG-28	1	Terminal Post Insulation
GBG-30	1	Field Connection Ins.
GBG-38	8	Pole Piece Screw
GBG-59	1	Control Lead Assembly
GBG-121	1	Terminal
X-1425	2	Terminal
GBG-62	1	Terminal Post Insulation
GBH-29	4	Pole Piece
GBH-1005	1	FIELD COIL ASSY.- Comp.
GBH-1007	1	Field Coil Assy.-U.R.
GBG-26	1	Terminal
GBH-1008	1	Field Coil - L.L.
GBH-1009	1	Field Coil - L.R.
GBH-1010	1	Field Coil Assy.-U.L.
X-1425	1	Terminal
GCY-27	1	Insulating Bushing
GCY-28	1	Insulating Bushing
MU-36	1	Insulating Washer
MU-37	1	5/16 Plain Washer
8X-183A	1	#10 Plain Washer
X-196	1	#10 Lock Washer
X-1014	1	5/16 Lock Washer
8X-1376	1	5/16-24 Hex. Nut
8X-1377	1	#10-32 Hex. Nut
X-196	2	#10 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
X-1014	1	5/16 Lock Washer
8X-1376	1	5/16-24 Hex. Nut
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

DA-60	1	Bearing Retaining Screw
GBG-46	1	Spring Washer
GBG-47	1	Felt Washer
GBG-48	2	Felt Washer Retainer
GBG-63	1	Comm. End Cap Cover
GBG-64	1	End Cap Cover Gasket
GBG-66	1	Bearing Retaining Washer
(GBG-3103)	1	Comm. End Plate Assembly
DA-38	2	Spring Washer
DE-85	1	Steel Washer
GBG-41	2	Brush Holder Plate Screw
GBG-51	2	Plain Washer
GBG-103	1	Comm. End Plate
GBG-1012†	4	Brush - Main
GBG-2031	1	Brush Holder Plate Assy.
GBG-18L	4	Brush Holder
GBG-36L	4	Brush Spring
GBG-40L	4	Brush Holder Terminal
GBG-85	4	Brush Holder Stud
GBG-1037L	4	Brush Arm
8X-173	4	#10-32 Hex. Nut
X-196	4	#10 Lock Washer
GK-151	1	Plain Steel Washer
X-195	4	#8 Lock Washer
8X-208	1	#10-32x9/16 Hex. Hd. Sc.
8X-305	4	#8-32x1/4 Rd. Hd. Sc.
8X-361	2	1/4 Plain Washer
X-1270	1	#10 Skpf. Washer
		1 2 3 4 5

Comm. End Plate Assembly (Con't.)

Part No.	No. Used	Name of Part
		1 2 3 4 5
8X-118	6	#10-32x3/4 Fill. Hd. Screw
X-195	3	#8 Lock Washer
X-196	10	#10 Lock Washer
X-199	1	1/4 Lock Washer
8X-305	3	#8-32x1/4 Rd. Hd. Screw
X-394	1	Screw In - Sleeve Oiler
X-440	1	BALL BEARING - Shielded
8X-870	4	#10-32x5/16 Fill. Hd. Screw

Armature Assembly & Parts Used With

GBG-49	2	Armature Shaft Spacer
GCY-2030F	1	ARMATURE ASSEMBLY
X-263	1	#8 Woodruff Key
X-1134	1	5/8 Plain Washer
X-1177	1	5/8 Skpf. Washer
X-1178	1	5/8-18 Hex. Nut

Drive End Head Assembly & Parts Used With

GBG-1104	1	Drive End Head Assembly
GBG-50	1	Gasket
GBG-57	1	Felt Washer Retainer
GBG-58	1	Felt Washer
GBG-104	1	Drive End Head
GBG-1056	1	Bearing Retainer Assy.
GBG-56	1	Bearing Retainer
GBG-57	1	Felt Washer Retainer
GBG-58	1	Felt Washer
8X-119	4	#10-32x1/2 Fill. Hd. Sc.
X-196	4	#10 Lock Washer
X-444	1	BALL BRG.- S.A.E. #305
8X-118	6	#10-32x3/4 Fill. Hd. Screw
X-394	1	Screw In - Sleeve Oiler
X-544	6	#10 Lock Washer

Miscellaneous Parts

GBG-24	1	Head Band
8X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 5-19-41)

† SERVICE BRUSH SET GBG-2012S.

NOTE:- VRG-4103A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GCY-4603	Kermath

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File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAL-225	1	Fuse Cover
(GCZ-3071)	1	Frame & Field Assy.
GAL-29	2	Pole Piece
GAL-44	1	Field Connection Ins.
GAL-1224	1	Fuse Holder
GAR-211	1	Insulating Bushing
GCJ-2005A	1	Field Coil Assy. - Comp.
GCJ-2007	1	Field Coil Assy.-Left
X-976	1	Terminal
GCJ-2008A	1	Field Coil Assy.-Right
GAL-289	1	C.B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-59	1	#8-32x3/16 Rd. Hd. Sc.
X-195	1	#8 Lock Washer
GK-20	2	Frame Screw
X-199	2	1/4 Lock Washer
X-842	1	Fuse - 5 Ampere

Comm. End Plate Assembly & Parts Used With

(GCJ-3089)	1	Comm. End Plate Assy.
GAR-73	1	Oil Wick
GAR-98	1	Wick Cover
GBM-1013A‡	1	Brush - Third
GBW-69	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GBW-1068A	1	Comm. End Cap Cover
GCJ-51	1	3rd Brush Plate Retaining Spring
GCJ-1089A	1	Comm. End Plate Part Assy.
GBF-79	1	Absorbent Bronze Brg.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
GDB-1014L	1	Third Brush Plate Assy.
GDF-1012‡	2	Brush - Main
X-195	5	#8 Lock Washer
8X-311	1	#10-32x3/8 Rd. Hd. Screw
8X-888	4	#8-32x5/16 Fill. Hd. Sc.
8X-1507	1	#8-32x1/4 Bdg. Hd. Screw
X-195	2	#8 Lock Washer
8X-1507	2	#8-32x1/4 Bdg. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCZ-2055	1	Armature Assembly
GAR-171	1	Snap Ring
GJ-104	1	Armature Shaft Spacer
GJ-179	1	7/16 Plain Washer
GR-32	1	Felt Washer Retainer
X-160	1	7/16-20 Hex. Nut
X-205	1	7/16 Lock Washer
X-261	1	#6 Woodruff Key

Drive End Head Assembly & Parts Used With

GCZ-1003	1	Drive End Head Assy.
GCZ-3	1	Drive End Head
GG-6	2	Bearing Retainer
GG-164	1	Felt Washer
GK-176	1	Felt Washer Retainer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
8X-316	3	#10-32x3/4 Rd. Hd. Sc.
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

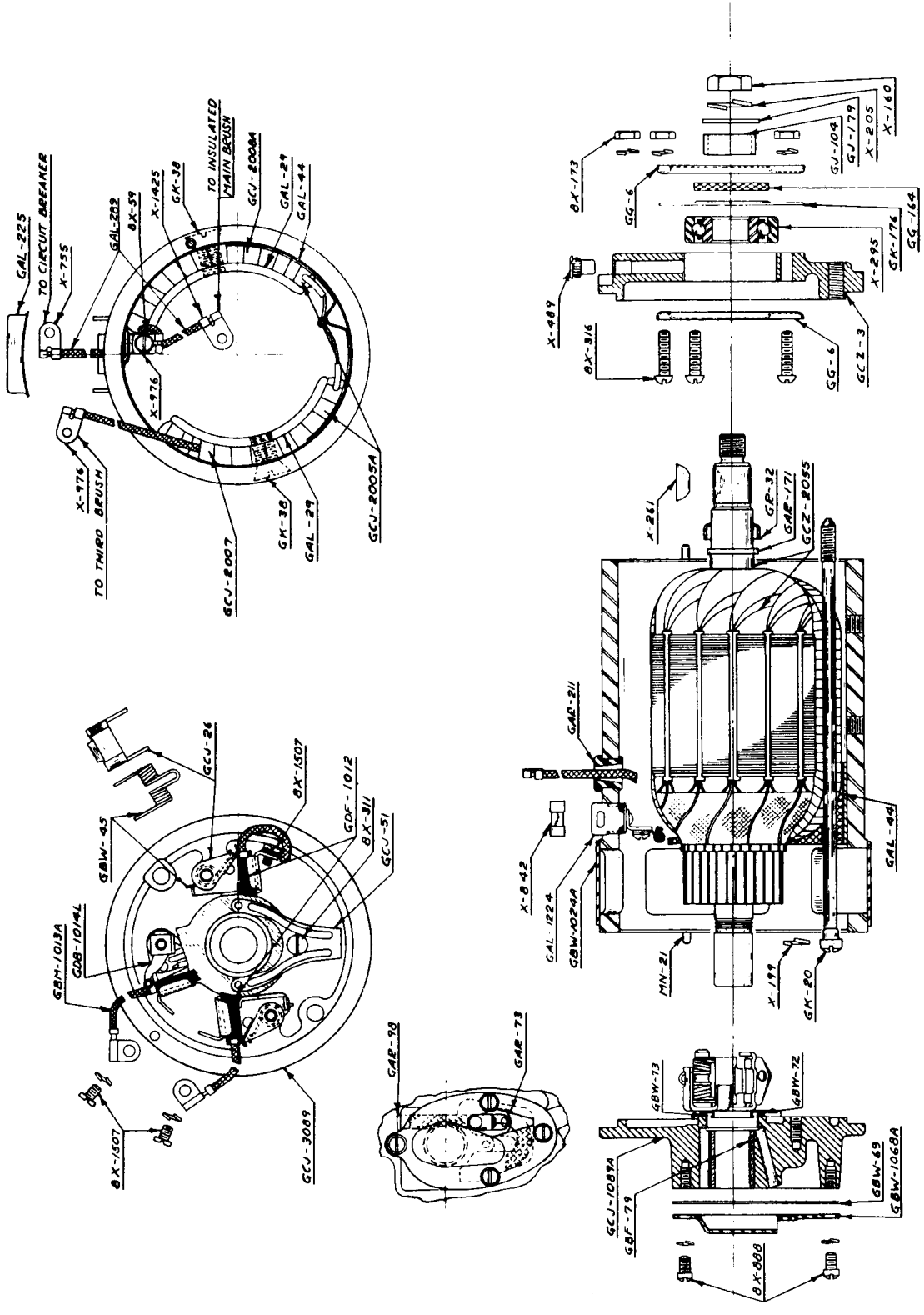
CB-4014	1	Circuit Breaker Assy.
CB-123	1	Armature Spring
CB-160	1	C.B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Sc.
GBW-1024A	1	Head Band Assembly
X-196	2	#10 Lock Washer
8X-321	2	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 8/12/38)

‡ Service Brush Set GDF-2012AS.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GCZ-4803 GENERATOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GCZ-4805 GENERATOR PARTS LIST GCZ-4805

PRELIMINARY

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GCZ-3025)	1	Frame & Field Assembly
GAL-29	2	Pole Piece
GAL-44	1	Field Connection Ins.
GAR-211	1	Insulating Bushing
GCJ-2005B	1	FIELD COIL ASSY.- Comp.
GCJ-2007A	1	Field Coil Assy.-Left
GAL-289	1	C. B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-959	1	Terminal
GCJ-2008B	1	Field Coil Assy.-Right
X-976	1	Terminal
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-140	1	#6-32 Hex. Nut
X-194	1	#6 Lock Washer
8X-1008	1	#6-32x9/16 Rd. Hd. Sc.
GK-20	2	Frame Screw
X-199	2	1/4 Lock Washer

Comm. End Plate Assembly & Parts Used With

(GCJ-3089)	1	Comm. End Plate Assembly
GAR-73	1	Oil Wick
GAR-98	1	Wick Cover
GBJ-1013†	1	Brush - Third
GBW-69	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GBW-1068A	1	Comm. End Cap Cover
GCJ-51	1	3rd Brush Plate Retaining Spring
GCJ-1012†	2	Brush - Main
GCJ-1089A	1	C. E. Plate Part Assy.
GBF-79	1	ABSORBENT BRONZE BRG.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
GDB-1014L	1	Third Brush Plate Assy.
X-195	5	#8 Lock Washer
8X-311	1	#10-32x3/8 Rd. Hd. Screw
8X-888	4	#8-32x5/16 Fill. Hd. Sc.
8X-1507	1	#8-32x1/4 Bdg. Hd. Screw
X-195	2	#8 Lock Washer
8X-1507	2	#8-32x1/4 Bdg. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAL-310	1	Armature Shaft Spacer
GCZ-2091	1	ARMATURE ASSEMBLY
GK-174	1	1/2 Plain Washer
X-156	1	1/2-20 Castellated Nut
X-263	1	#8 Woodruff Key
X-404	1	3/32x1 Cotter Pin

Drive End Head Assembly & Parts Used With

GAL-1306B	1	Drive End Head Assembly
DB-17	1	Felt Guard
GAL-306B	1	D. E. Head
GAR-95	1	Felt Washer
GBC-25	1	Felt Guard
GW-29	1	Felt Washer
GX-9	1	Bearing Retainer
X-196	3	#10 Lock Washer
X-298	1	BALL BRG.- S.A.E. #204
8X-311	3	#10-32x3/8 Rd. Hd. Sc.
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

CB-4014	1	CIRCUIT BREAKER ASSEMBLY
CB-123	1	Armature Spring
CB-160S	1	C. B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Screw
GBW-1024A	1	Head Band Assembly
X-196	2	#10 Lock Washer
8X-321	2	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 5-19-41)

† SERVICE BRUSH SET GDF-2012AS.

UNIT	APPLICATION
GCZ-4805	Chris Craft

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GDA-2001)	1	Frame & Field Assy.
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-29	2	Pole Piece
GBW-34	1	Insulating Washer
GBW-40	1	Lead Assy.
GAA-27	1	Terminal Post
X-847	1	Terminal
GBW-58	1	Terminal Post
GBW-66	1	Terminal Post Bottom Ins.
GBW-67	1	Terminal Post Ins.
GBW-1005A	1	Field Coil Assy.-Comp.
GBW-1007A	1	Field Coil Assy.-Left
IG-821	1	Terminal
GBW-1008	1	Field Coil - Right
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
GK-38B	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
GY-20	2	Frame Screw
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	2	#10 Lock Washer
12X-199	2	1/4 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assy. & Parts Used With

(GBW-2002)	1	Comm. End Plate Assy.
GAR-73	1	Oil Wick
GAR-98A	1	Wick Cover
GBW-69	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GBW-1002A	1	Comm. End Plate Part Assy.
GBF-79	1	Absorbent Bronze Brg.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
GBW-1012A‡	2	Brush - Main
GBW-1068B	1	Comm. End Cap Cover
12X-195	5	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
8X-888	4	#8-32x5/16 Fill. Hd. Sc.
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

* See table following parts list for part number applying to assembly wanted.

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GDA-2006F	1	Armature Assy.
GAR-171	1	Snap Ring
GR-32	1	Felt Washer Retainer
*	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GBJ-1003C	1	Drive End Head Assy.
GAR-63	2	Felt Guard
GAR-64	2	Brg. Retainer
GBJ-3C	1	D.E. Head
GG-164	2	Felt Washer
6X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
6X-1003	3	#10-32x7/8 Rd. Hd. Screw

Miscellaneous Parts

GBW-24B	1	Head Band
8X-715	1	#10-32x1 1 4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 10-18-38)

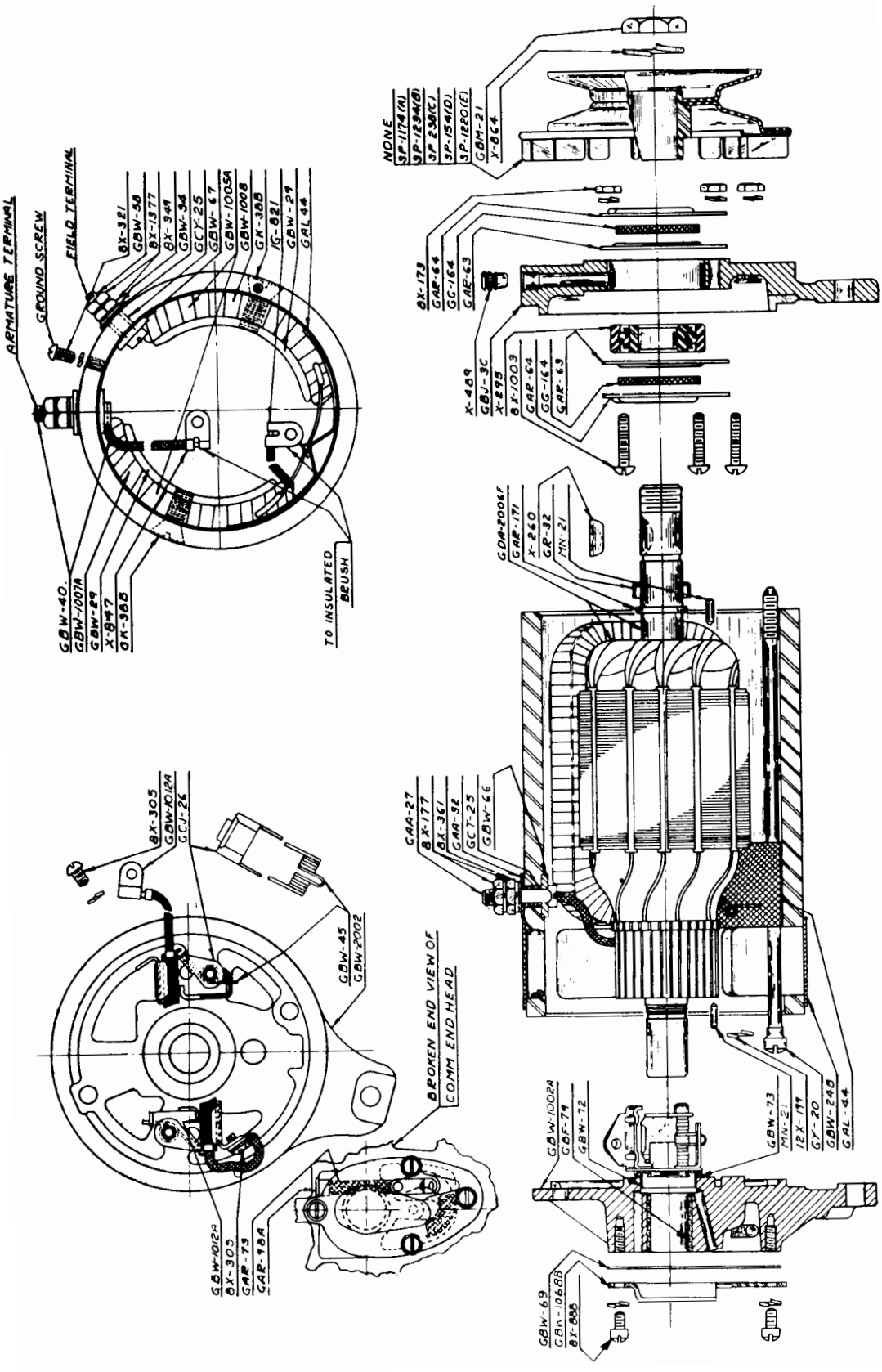
Assembly No.	Drive Pulley
GDA-4801	None
GDA-4801A	SP-1174
GDA-4801B	SP-1234
GDA-4801C	SP-238
GDA-4801D	SP-154
GDA-4801E	SP-1220

NOTE: VRB-4004B Current Voltage Regulator is used with but is not a part of this generator.

‡ Service Brush Set GBW-2012AS

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GDA-4801,A,B,C,D,E GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GDA-2001)	1	Frame & Field Assy.
GAA-32	1	Term. Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-29	2	Pole Piece
GBW-34	1	Insulating Washer
GBW-40	1	Lead Assembly
GAA-27	1	Terminal Post
X-847	1	Terminal
GBW-58	1	Terminal Post
GBW-66	1	Term. Post Bottom Ins.
GBW-67	1	Term. Post Bottom Ins.
GBW-1005A	1	Field Coil Assy.-Comp.
GBW-1007A	1	Field Coil Assy.-Left
IG-821	1	Terminal
GBW-1008	1	Field Coil - Right
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
GK-38B	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
GY-20	2	Frame Screw
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	2	#10 Lock Washer
12X-199	2	1/4 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

(GBW-2002)	1	Comm. End Plate Assy.
GAR-73	1	Oil Wick
GAR-98A	1	Wick Cover
GBW-69	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GBW-1002A	1	Comm. End Plate Part Assembly
GBF-79	1	Absorbent Bronze Brg.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
GBW-1012A‡	2	Brush - Main
GBW-1068B	1	Comm. End Cap Cover
12X-195	5	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Sc.
8X-888	4	#8-32x5/16 Fill. Hd. Sc.
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

* See table following parts list for part number applying to assembly wanted.

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GDA-2057F	1	Armature Assembly
*	1	Drive Pulley
X-263	1	#8 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GAR-1182	1	Drive End Head Assy.
GAR-178	2	Bearing Retainer
GAR-179	2	Felt Guard
GAR-182	1	Drive End Head
GJ-147	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-298	1	Ball Brg. - S.A.E. #204
8X-306	3	#10-32x1 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

GBW-24B	1	Head Band
8X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 12/9/38)

Assembly No.	Drive Pulley
GDA-4803	None
GDA-4803A	SP-243

NOTE:- VRB-4004B Current-Voltage Regulator is used with but is not a part of this generator.

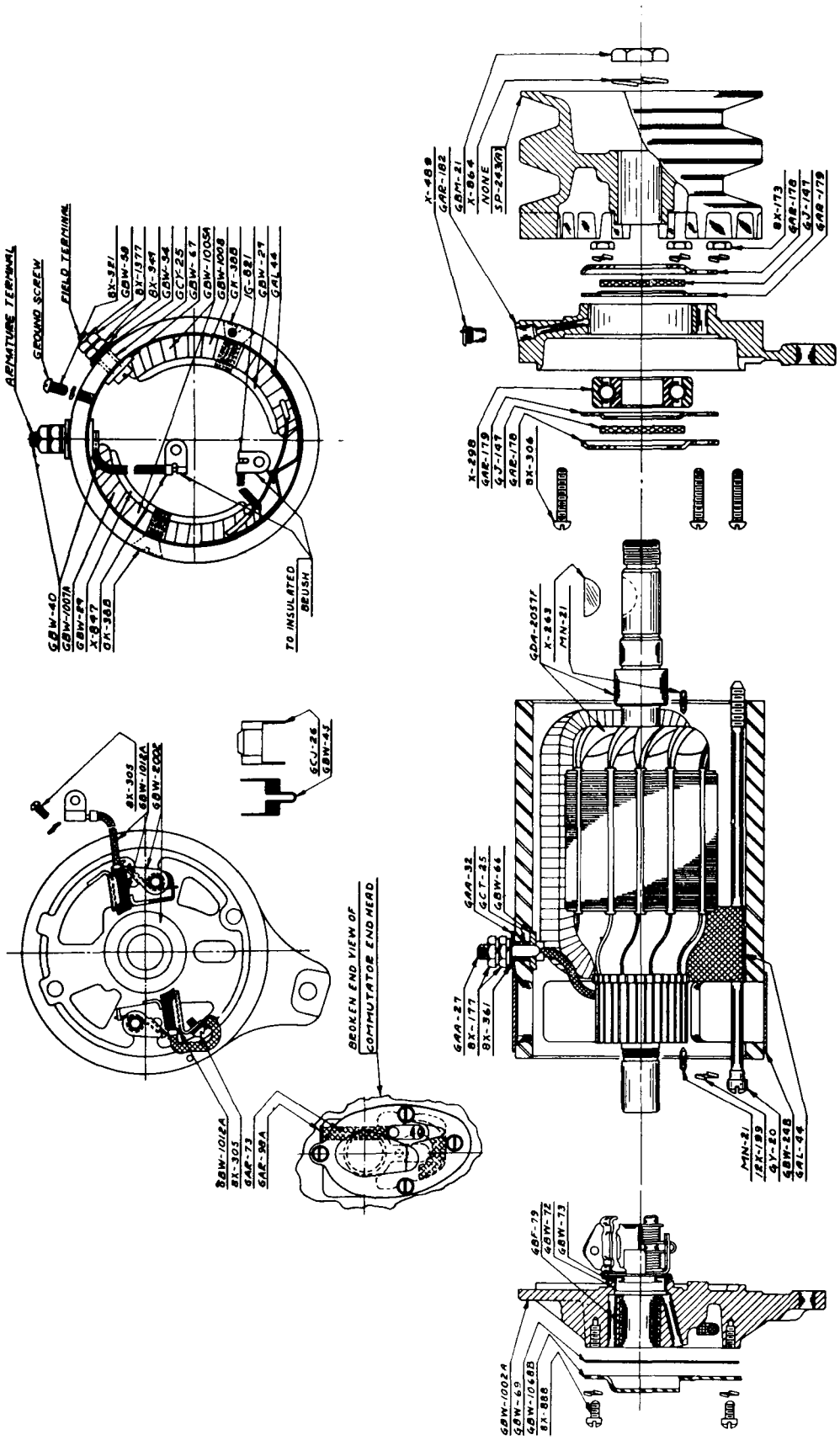
‡ Service Brush Set GBW-2012AS.

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GDA-4803,A GENERATOR ILLUSTRATION



Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GDA-2001A)	1	Frame & Field Assy.
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-29	2	Pole Piece
GBW-34	1	Insulating Washer
GBW-40	1	Lead Assy.
GAA-27	1	Terminal Post
X-847	1	Terminal
GBW-58	1	Terminal Post
GBW-66	1	Term. Post Bottom Ins.
GBW-67	1	Term. Post Bottom Ins.
GBW-1005A	1	Field Coil Assy. - Comp.
GBW-1007A	1	Field Coil Assy.-Left
IG-821	1	Terminal
GBW-1008	1	Field Coil - Right
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
5X-1377	1	#10-32 Hex. Nut
GY-20A	2	Frame Screw
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	2	#10 Lock Washer
X-199	2	1/4 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
5X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assy. & Parts Used With

(GBW-2002E)	1	Comm. End Plate Assy.
GAR-73	1	Oil Wick
GAR-98	1	Wick Cover
GBW-30B	1	Comm. End Cap Cover
GBW-69	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GBW-1002K	1	Comm. End Plate Part Assy.
GBF-79	1	Absorbent Bronze Brg.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
GBW-1012A‡	2	Brush - Main
X-195	5	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
X-888	4	#8-32x5/16 Fill. Hd. Screw
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

Armature Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GDA-2006F	1	Armature Assy.
GAR-171	1	Snap Ring
GR-32	1	Felt Washer Retainer
SP-1182	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assy. & Parts Used With

GBJ-1003	1	Drive End Head Assy.
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GBJ-3	1	Drive End Head
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Screw

Miscellaneous Parts

GBW-24	1	Head Band
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 4-25-41)

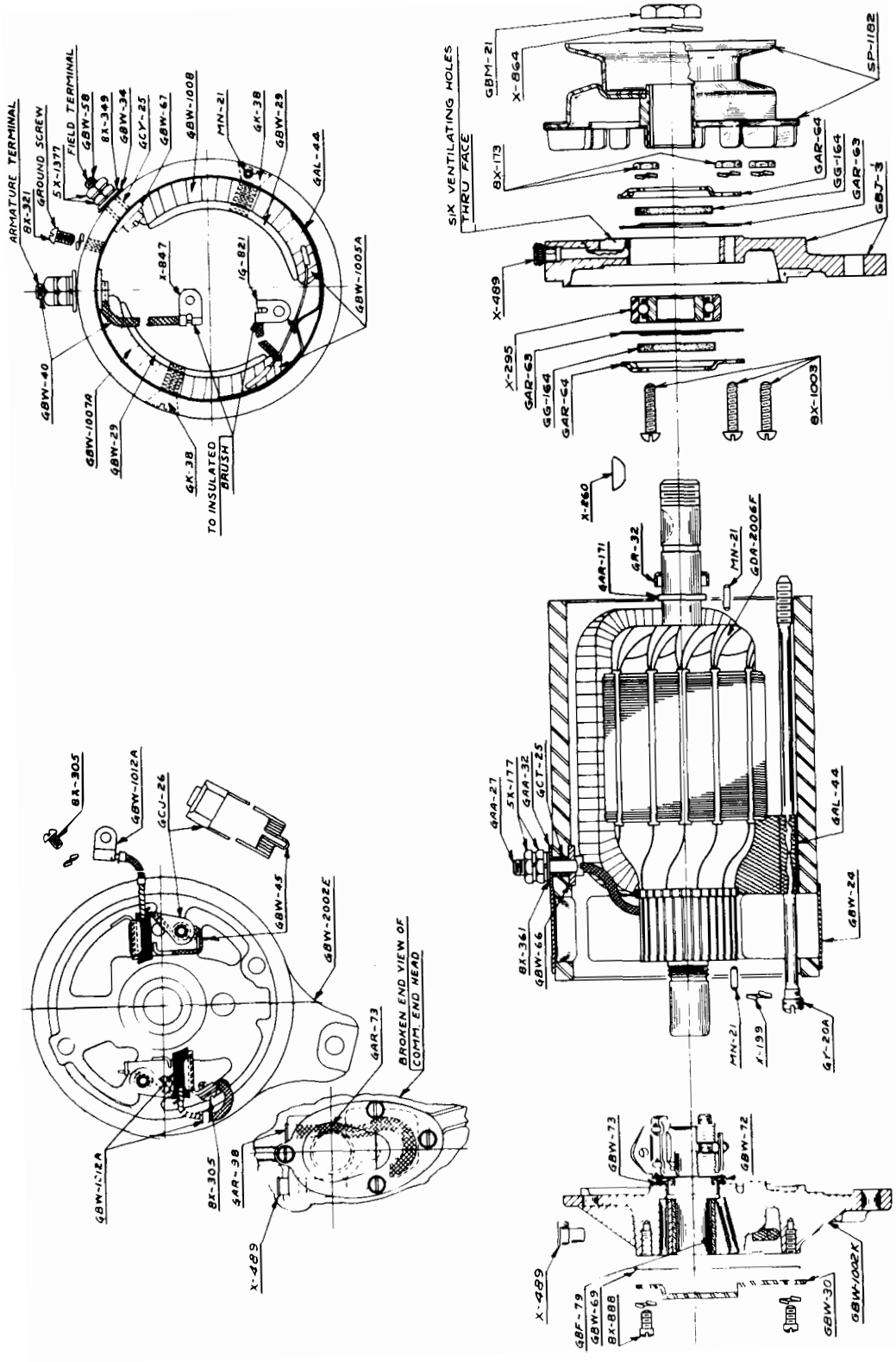
NOTE:- VRB-4012A Current-Voltage Regulator is used with but is not a part of this generator.

‡ Service Brush Set GBW-2012AS.

UNIT	APPLICATION
GDA-4804A	Studebaker, Studebaker Truck

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GDA-4804A GENERATOR ILLUSTRATION



GDA-4804A
FILE A-801

GDA-4805 GENERATOR PARTS LIST GDA-4805

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GDA-2032)	1	Frame & Field Assy.
GAA-32	1	Term. Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-29	2	Pole Piece
GBW-34	1	Insulating Washer
GBW-40	1	Lead Assy.
GAA-27	1	Terminal Post
X-847	1	Terminal
GBW-58	1	Terminal Post
GBW-66	1	Term. Post Bottom Ins.
GBW-67	1	Term. Post Bottom Ins.
GBW-1005A	1	FIELD COIL ASSY.-COMP.
GBW-1007A	1	Field Coil Assy.-Left
IG-821	1	Terminal
GBW-1008	1	Field Coil - Right
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
GK-38B	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
GY-20	2	Frame Screw
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	2	#10 Lock Washer
12X-199	2	1/4 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Sc.
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

(GBW-2065)	1	Comm. End Plate Assy.
GAR-73	1	Oil Wick
GAR-98A	1	Wick Cover
GBW-69	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GBW-1012A†	2	Brush - Main
GBW-1065A	1	Comm. End Plate Part Assembly
GBF-79	1	ABSORBENT BRONZE BRG.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
GBW-1068B	1	Comm. End Cap Cover
12X-195	5	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Sc.
8X-888	4	#8-32x5/16 Fill. Hd. Sc.
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GDA-2031F	1	ARMATURE ASSEMBLY
X-161	1	1/2-20 Hex. Nut
X-198	1	1/2 Lock Washer
X-261	1	#6 Woodruff Key

Miscellaneous Parts

GBW-24B	1	Head Band
8X-715	1	#10-32x1 1/4 Rd. Hd. Sc.
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 2-27-39)

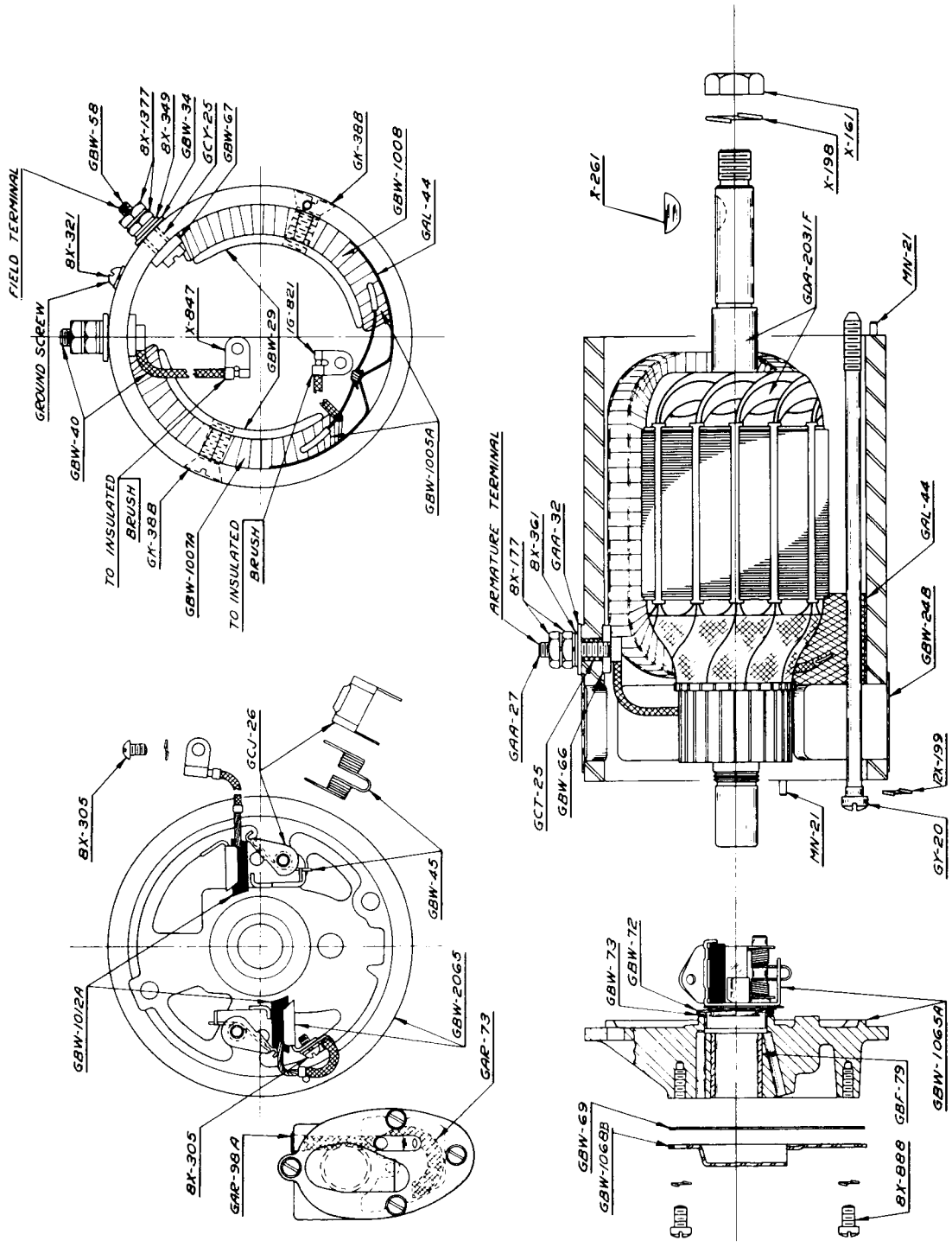
NOTE:- VRB-4008C CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

† SERVICE BRUSH SET GBW-2012AS.

UNIT	APPLICATION
GDA-4805	Service Generator

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking su -parts the complete part can be assembled as needed."

GDA-4805 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GDA-2032)	1	Frame & Field Assy.
GAA-32	1	Term. Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-29	2	Pole Piece
GBW-34	1	Insulating Washer
GBW-40	1	Lead Assy.
GAA-27	1	Terminal Post
X-847	1	Terminal
GBW-58	1	Terminal Post
GBW-66	1	Term. Post Bottom Ins.
GBW-67	1	Term. Post Bottom Ins.
GBW-1005A	1	FIELD COIL ASSY.-COMP.
GBW-1007A	1	Field Coil Assy.-Left
IG-821	1	Terminal
GBW-1008	1	Field Coil - Right
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
GK-38B	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
GY-20	2	Frame Screw
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	2	#10 Lock Washer
12X-199	2	1/4 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Sc.
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

(GBW-2065)	1	Comm. End Plate Assy.
GAR-73	1	Oil Wick
GAR-98A	1	Wick Cover
GBW-69	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GBW-1012A†	2	Brush - Main
GBW-1065A	1	Comm. End Plate Part Assembly
GBF-79	1	ABSORBENT BRONZE BRG.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
GBW-1068B	1	Comm. End Cap Cover
12X-195	5	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Sc.
8X-888	4	#8-32x5/16 Fill. Hd. Sc.
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GDA-2031F	1	ARMATURE ASSEMBLY
X-161	1	1/2-20 Hex. Nut
X-198	1	1/2 Lock Washer
X-261	1	#6 Woodruff Key

Miscellaneous Parts

GBW-24B	1	Head Band
8X-715	1	#10-32x1 1/4 Rd. Hd. Sc.
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 2-27-39)

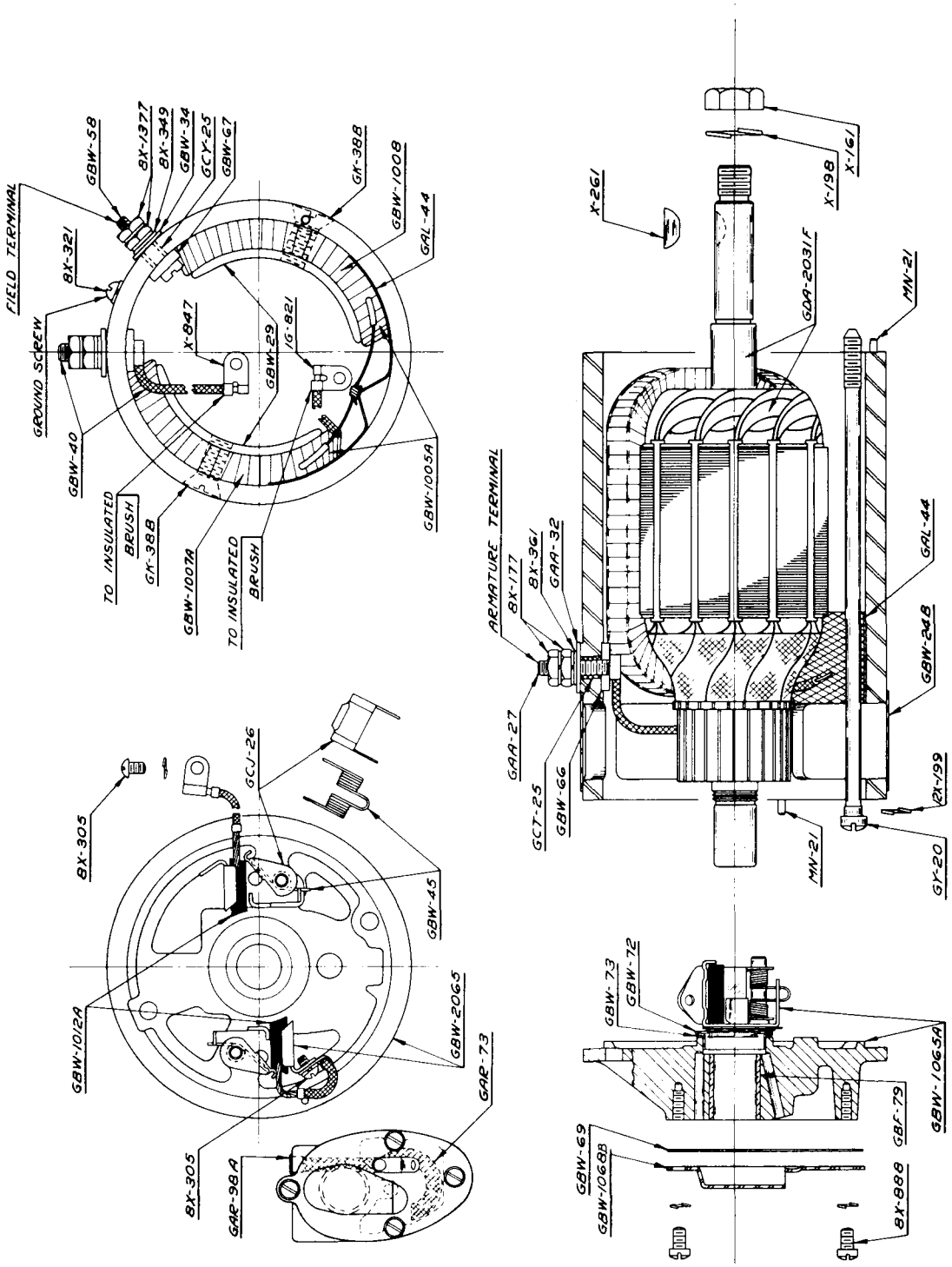
NOTE:- VRB-4008C CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

† SERVICE BRUSH SET GBW-2012AS.

UNIT	APPLICATION
GDA-4805	Service Generator

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GDA-4805 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GDA-2032)	1	Frame & Field Assy.
GAA-32	1	Term. Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-29	2	Pole Piece
GBW-34	1	Insulating Washer
GBW-40	1	Lead Assy.
GAA-27	1	Terminal Post
X-847	1	Terminal
GBW-58	1	Terminal Post
GBW-66	1	Term. Post Bottom Ins.
GBW-67	1	Term. Post Bottom Ins.
GBW-1005A	1	FIELD COIL ASSY.-COMP.
GBW-1007A	1	Field Coil Assy.-Left
IG-821	1	Terminal
GBW-1008	1	Field Coil - Right
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
GK-38B	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
GY-20	2	Frame Screw
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	2	#10 Lock Washer
12X-199	2	1/4 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Sc.
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

(GBW-2065)	1	Comm. End Plate Assy.
GAR-73	1	Oil Wick
GAR-98A	1	Wick Cover
GBW-69	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GBW-1012A†	2	Brush - Main
GBW-1065A	1	Comm. End Plate Part Assembly
GBF-79	1	ABSORBENT BRONZE BRG.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
GBW-1068B	1	Comm. End Cap Cover
12X-195	5	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Sc.
8X-888	4	#8-32x5/16 Fill. Hd. Sc.
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GDA-2031F	1	ARMATURE ASSEMBLY
X-161	1	1/2-20 Hex. Nut
X-198	1	1/2 Lock Washer
X-261	1	#6 Woodruff Key

Miscellaneous Parts

GBW-24B	1	Head Band
8X-715	1	#10-32x1 1/4 Rd. Hd. Sc.
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 2-27-39)

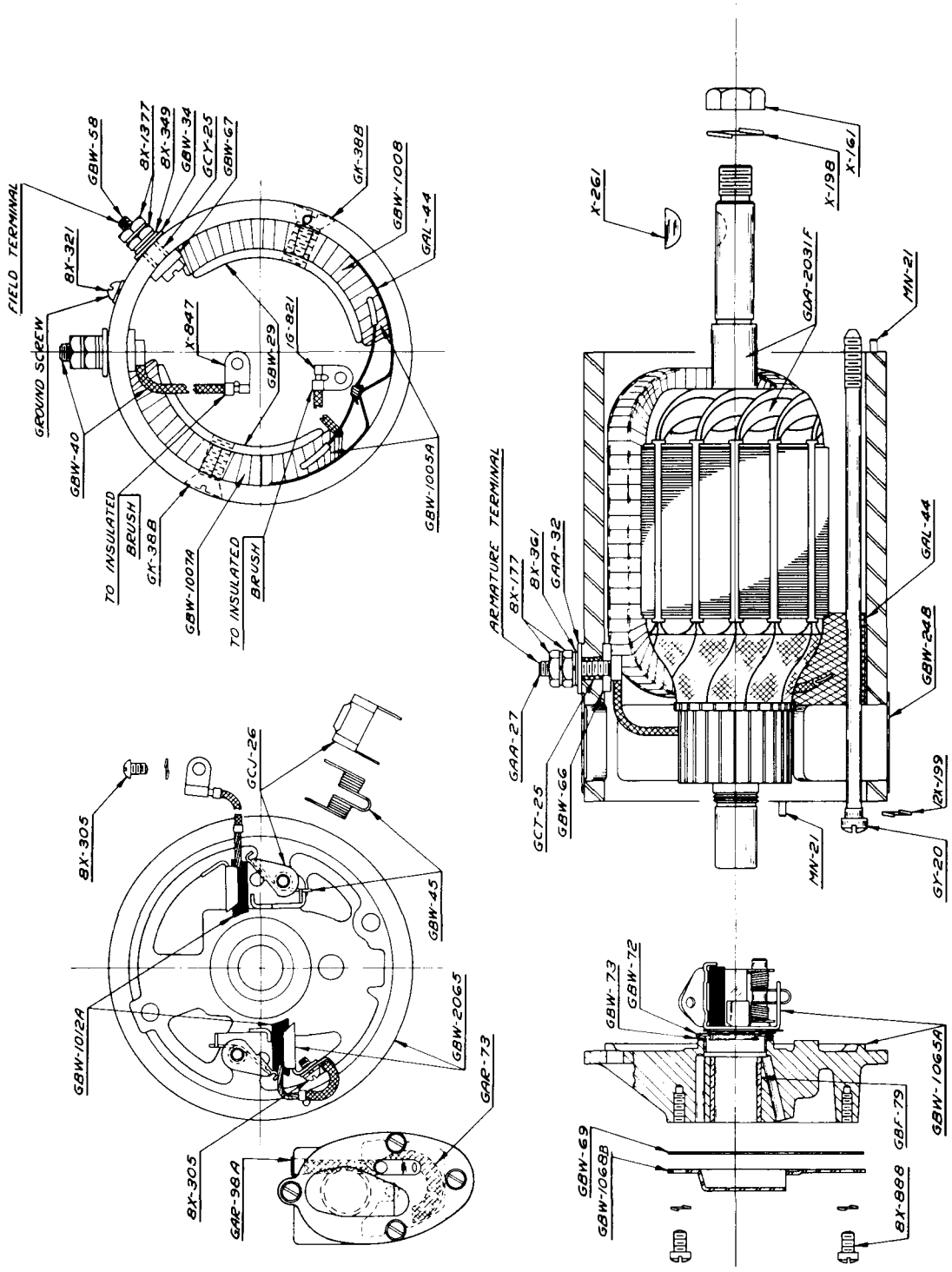
NOTE:- VRB-4008C CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

† SERVICE BRUSH SET GBW-2012AS.

UNIT	APPLICATION
GDA-4805	Service Generator

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GDA-4805 GENERATOR ILLUSTRATION



GDA-4806 GENERATOR PARTS LIST GDA-4806

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GDA-2001)	1	Frame & Field Assy.
GAA-32	1	Term. Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-29	2	Pole Piece
GBW-34	1	Insulating Washer
GBW-40	1	Lead Assembly
GAA-27	1	Terminal Post
X-847	1	Terminal
GBW-58	1	Terminal Post
GBW-66	1	Term. Post Bottom Ins.
GBW-67	1	Term. Post Bottom Ins.
GBW-1005A	1	FIELD COIL ASSY.-COMP.
GBW-1007A	1	Field Coil Assy.-Left
IG-821	1	Terminal
GBW-1008	1	Field Coil - Right
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
GK-38B	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
GY-20	2	Frame Screw
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	2	#10 Lock Washer
12X-199	2	1/4 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

(GBW-2002)	1	Comm. End Plate Assy.
GAR-73	1	Oil Wick
GAR-98A	1	Wick Cover
GBW-69	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GBW-1002A	1	Comm. End Plate Part Assembly
GBF-79	1	ABSORBENT BRONZE BRG.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
GBW-1012A†	2	Brush - Main
GBW-1068B	1	Comm. End Cap Cover
12X-195	5	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Sc.
8X-888	4	#8-32x5/16 Fill. Hd. Sc.
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GDA-2006F	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GR-32	1	Felt Washer Retainer
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GBJ-1003C	1	Drive End Head Assy.
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GBJ-3C	1	Drive End Head
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	BALL BRG. - S.A.E. #203
X-489	1	1/4 Oiler-Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Sc.

Miscellaneous Parts

GBW-24B	1	Head Band
8X-715	1	#10-32x1 1/4 Rd. Hd. Sc.
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 2-27-39)

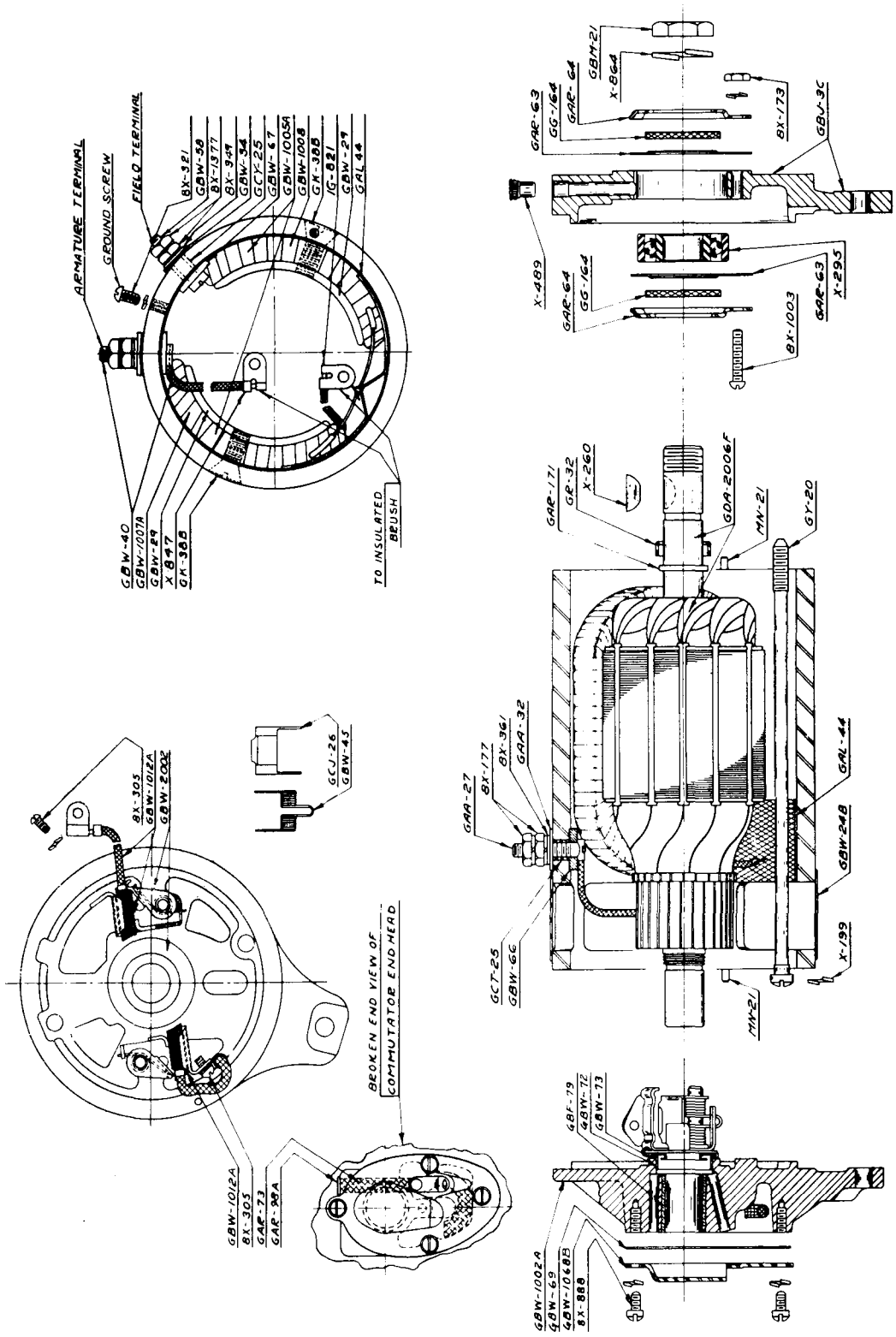
NOTE:- VRB-4008C CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

† SERVICE BRUSH SET GBW-2012AS.

UNIT	APPLICATION
GDA-4806	Service Generator

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GDA-4806 GENERATOR ILLUSTRATION



GDA-4808A GENERATOR PARTS LIST GDA-4808A

PRELIMINARY

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GDA-2001)	1	Frame & Field Assy.
GAA-32	1	Term. Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-29	2	Pole Piece
GBW-34	1	Insulating Washer
GBW-40	1	Lead Assembly
GAA-27	1	Terminal Post
X-847	1	Terminal
GBW-66	1	Term. Post Bottom Ins.
GBW-67	1	Term. Post Bottom Ins.
GBW-1005A	1	FIELD COIL ASSY.-Comp.
GBW-58	1	Terminal Post
GBW-1007A	1	Field Coil Assy.-Left
IG-821	1	Terminal
GBW-1008	1	Field Coil - Right
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
GY-20	2	Frame Screw
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	2	#10 Lock Washer
12X-199	2	1/4 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Sc.
8X-1377	1	#10-32 Hex. Nut

Comm. End Head Assembly & Parts Used With

(GBW-2002)	1	Comm. End Head Assy.
GAR-73	1	Oil Wick
GAR-98A	1	Wick Cover
GBW-69	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GBW-1002A	1	C.E. Head Part Assy.
GBF-79	1	ABSORBENT BRONZE BEARING
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
GBW-1012A†	2	Brush - Main
GBW-1068B	1	Comm. End Cap Cover
12X-195	5	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Sc.
8X-888	4	#8-32x5/16 Fill. Hd. Sc.
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GDA-2006F	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GR-32	1	Felt Washer Retainer
SP-154	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GBJ-1003C	1	Drive End Head Assy.
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GBJ-3C	1	Drive End Head
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	BALL BRG. - S.A.E. #203
X-489	1	1/4 Oiler-Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Sc.

Miscellaneous Parts

GBW-24B	1	Head Band
8X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 12-2-41)

† Service BRUSH SET GBW-2012AS.

NOTE:- VRP-4004D CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GDA-4808A	Continental

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GDA-2001A)	1	Frame & Field Assy.
GAA-32	1	Term. Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-29	2	Pole Piece
GBW-34	1	Insulating Washer
GBW-40	1	Lead Assembly
GAA-27	1	Terminal Post
X-847	1	Terminal
GBW-66	1	Term. Post Bottom Ins.
GBW-67	1	Term. Post Bottom Ins.
GBW-1005A	1	FIELD COIL ASSY.-Comp.
GBW-58	1	Terminal Post
GBW-1007A	1	Field Coil Assy.-Left
IG-821	1	Terminal
GBW-1008	1	Field Coil - Right
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
5X-1377	1	#10-32 Hex. Nut
GY-20A	2	Frame Screw
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	2	#10 Lock Washer
X-199	2	1/4 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Sc.
5X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

(GBW-2002C)	1	Comm. End Plate Assy.
GAR-73	1	Oil Wick
GAR-98A	1	Wick Cover
GBW-69	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GBW-1002E	1	C.E. Plate Part Assy.
GBF-79	1	ABS. BRONZE BEARING
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
GBW-1012A†	2	Brush - Main
GBW-1068B	1	Comm. End Cap Cover
X-195	5	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Sc.
X-888	4	#8-32x5/16 Fill. Hd. Sc.
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GDA-2006F	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GR-32	1	Felt Washer Retainer
SP-413	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GAR-1198A	1	Drive End Head Assy.
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GAR-198A	1	Drive End Head
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	BALL BRG. - S.A.E. #203
X-489	1	1/4 Oiler-Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Sc.

Miscellaneous Parts

GBW-24	1	Head Band
X-715	1	#10-32x1 1/4 Rd. Hd. Sc.
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 2-28-41)

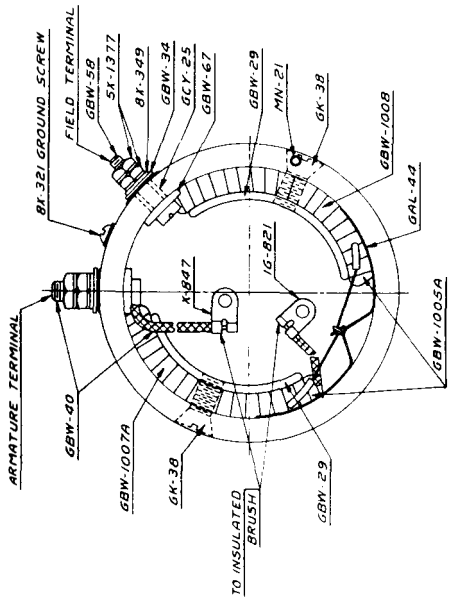
† Service BRUSH SET GBW-2012AS.

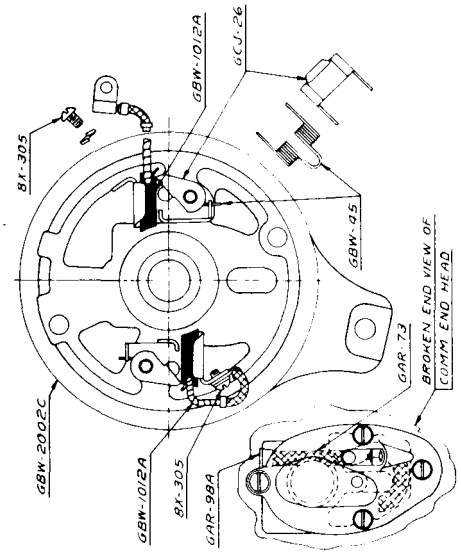
NOTE:- VRP-4006G CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

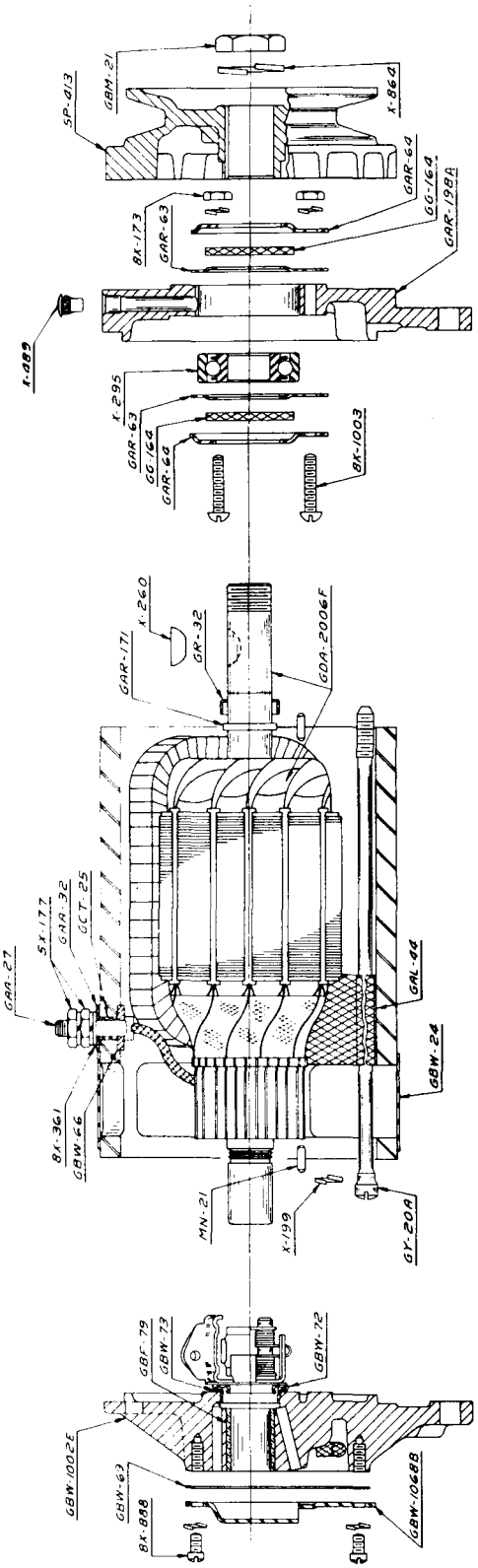
UNIT	APPLICATION
GDA-4809A	American Bantam

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GDA-4809A GENERATOR ILLUSTRATION







Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GDA-2030)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term., Outer
GAL-44	1	Insulation, Field Connection
GBW-34	1	Washer, Ins., Field Term., Outer
GBW-40	1	Lead Assembly
GAA-27	1	Stud, Arm. Term., #14-24
X-847	1	Terminal
GBW-66	1	Insulation, Square, Arm. Terminal, Inner
GBW-67	1	Insulation, Square, Field Terminal, Inner
GBW-1005A	1	Coil Assy., Field, Comp.
GBW-58	1	Stud, Field Term., #10-32
GBW-1007A	1	Coil Assy., Field, Left
IG-821	1	Terminal
GBW-1008	1	Coil, Field, Right
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Field Term.
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term., Hex., #14-24
X-193	2	Lock Washer, Arm. Term., #14
X-196	2	Lock Washer, Field Term., #10
8X-349	1	Washer, Field Term., Plain, #10
8X-361	1	Washer, Arm. Term., Plain, 1/4
8X-1377	2	Nut, Field Term., Hex., #10-32
GY-20	2	Bolt, Thru
X-196	1	Lock Washer, Ground Sc., #10
X-199	2	Lock Washer, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. Hd., #10-32x5/16

Comm. End Head Assembly & Parts Used With

(GBW-2090)	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBW-69	1	Gasket, C.E. Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Retaining
GBW-1012A†	2	Brush
GBW-1068	1	Cover, Comm. End
GBW-1090A	1	Head Assy., Partial, C.E.
GBF-79	1	Bearing, Absorbent Bronze
GBW-45	2	Spring, Brush
GCJ-26	2	Arm, Brush
X-195	4	Lock Washer, Cover Sc., #8
8X-888	4	Screw, Cover, Fil. Hd., #8-32x5/16
		1 2 3 4 5

Comm. End Head Assembly (Con't.)

Part No.	No. Used	Name of Part
		1 2 3 4 5
X-195	2	Lock Washer, Brush Lead, #8
8X-305	2	Screw, Brush Lead, Rd. Hd., #8-32x1/4

Armature Assembly & Parts Used With

GBM-21	1	Nut, Armature Shaft
GDA-2006F	1	Armature Assembly
GAR-171	1	Snap Ring
GR-32	1	Retainer, Felt Washer
SP-1350	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
X-864	1	Lock Washer, Arm. Shaft

Drive End Head Assembly & Parts Used With

GCJ-1096	1	Head Assy., Drive End
GAR-63	2	Retainer, Felt Washer
GAR-64	2	Retainer, Bearing
GCJ-96	1	Head
GG-164	2	Washer, Felt
X-173	3	Nut, Bearing Retainer Sc., Hex., #10-32
X-295	1	Bearing, Ball, SAE #203
X-489	1	Oiler, Press in Type, 1/4
8X-1003	3	Screw, Bearing Retainer, Rd. Hd., #10-32x7/8
X-1270	3	Washer, Skpf., Bearing Retainer Screw, #10

Miscellaneous Parts

GBW-24B	1	Band, Cover
8X-715	1	Screw, Cover Band, Rd. Hd., #10-32x1 1/4
8X-794	1	Nut, Cover Band, Square, #10-32
		1 2 3 4 5

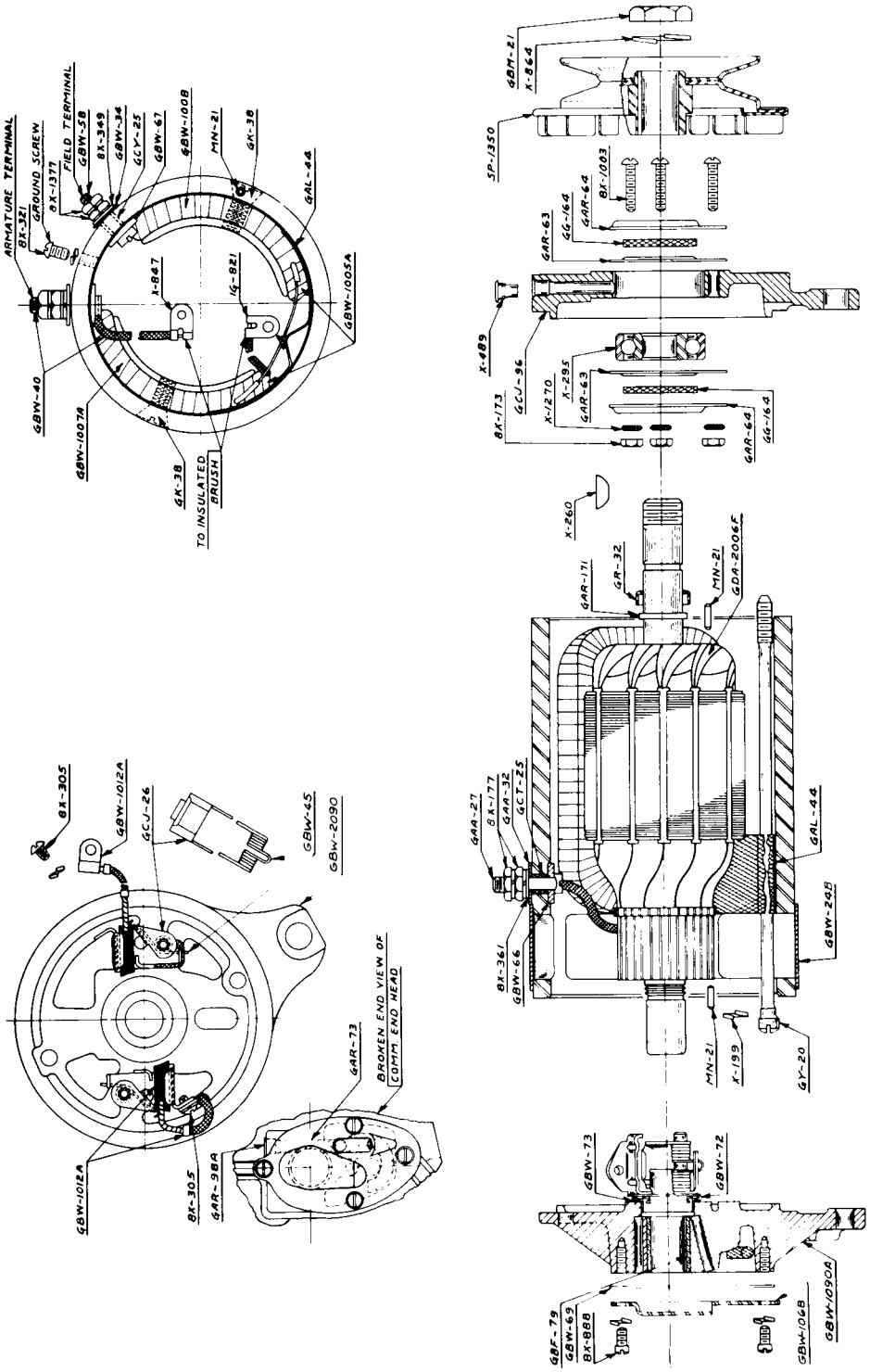
(Issued 5-11-45)

† Brush Set, Service GBW-2012AS.

NOTE:- VRP-4009D Current-Voltage Regulator is used with but is not a part of this generator.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GDA-4810A-1 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GDA-2030)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term., Outer
GAL-44	1	Insulation, Field Connection
GBW-34	1	Washer, Ins., Field Term., Outer
GBW-40	1	Lead Assembly
GAA-27	1	Stud, Arm. Term., #14-24
X-847	1	Terminal
GBW-66	1	Insulation, Square, Arm. Terminal, Inner
GBW-67	1	Insulation, Square, Field Terminal, Inner
GBW-1005A	1	Coil Assy., Field, Comp.
GBW-58	1	Stud, Field Term., #10-32
GBW-1007A	1	Coil Assy., Field, Left
IG-821	1	Terminal
GBW-1008	1	Coil, Field, Right
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Field Term.
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term., Hex., #14-24
X-193	2	Lock Washer, Arm. Term., #14
X-196	2	Lock Washer, Field Term., #10
8X-349	1	Washer, Field Term., Plain, #10
8X-361	1	Washer, Arm. Term., Plain, 1/4
8X-1377	2	Nut, Field Term., Hex., #10-32
GY-20	2	Bolt, Thru
X-196	1	Lock Washer, Ground Sc., #10
X-199	2	Lock Washer, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. Hd., #10-32x5/16

Comm. End Head Assembly & Parts Used With

(GBW-2090)	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBW-69	1	Gasket, C.E. Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Retaining
GBW-1012A†	2	Brush
GBW-1068	1	Cover, Comm. End
GBW-1090A	1	Head Assy., Partial, C.E.
GBF-79	1	Bearing, Absorbent Bronze
GBW-45	2	Spring, Brush
GCJ-26	2	Arm, Brush
X-195	4	Lock Washer, Cover Sc., #8
8X-888	4	Screw, Cover, Fil. Hd., #8-32x5/16
		1 2 3 4 5

Comm. End Head Assembly (Con't.)

Part No.	No. Used	Name of Part
		1 2 3 4 5
X-195	2	Lock Washer, Brush Lead, #8
8X-305	2	Screw, Brush Lead, Rd. Hd., #8-32x1/4

Armature Assembly & Parts Used With

GBM-21	1	Nut, Armature Shaft
GDA-2006F	1	Armature Assembly
GAR-171	1	Snap Ring
GR-32	1	Retainer, Felt Washer
SP-1350	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
X-864	1	Lock Washer, Arm. Shaft

Drive End Head Assembly & Parts Used With

GCJ-1096	1	Head Assy., Drive End
GAR-63	2	Retainer, Felt Washer
GAR-64	2	Retainer, Bearing
GCJ-96	1	Head
GG-164	2	Washer, Felt
X-173	3	Nut, Bearing Retainer Sc., Hex., #10-32
X-295	1	Bearing, Ball, SAE #203
X-489	1	Oiler, Press in Type, 1/4
8X-1003	3	Screw, Bearing Retainer, Rd. Hd., #10-32x7/8
X-1270	3	Washer, Skpf., Bearing Retainer Screw, #10

Miscellaneous Parts

GBW-24B	1	Band, Cover
8X-715	1	Screw, Cover Band, Rd. Hd., #10-32x1 1/4
8X-794	1	Nut, Cover Band, Square, #10-32
		1 2 3 4 5

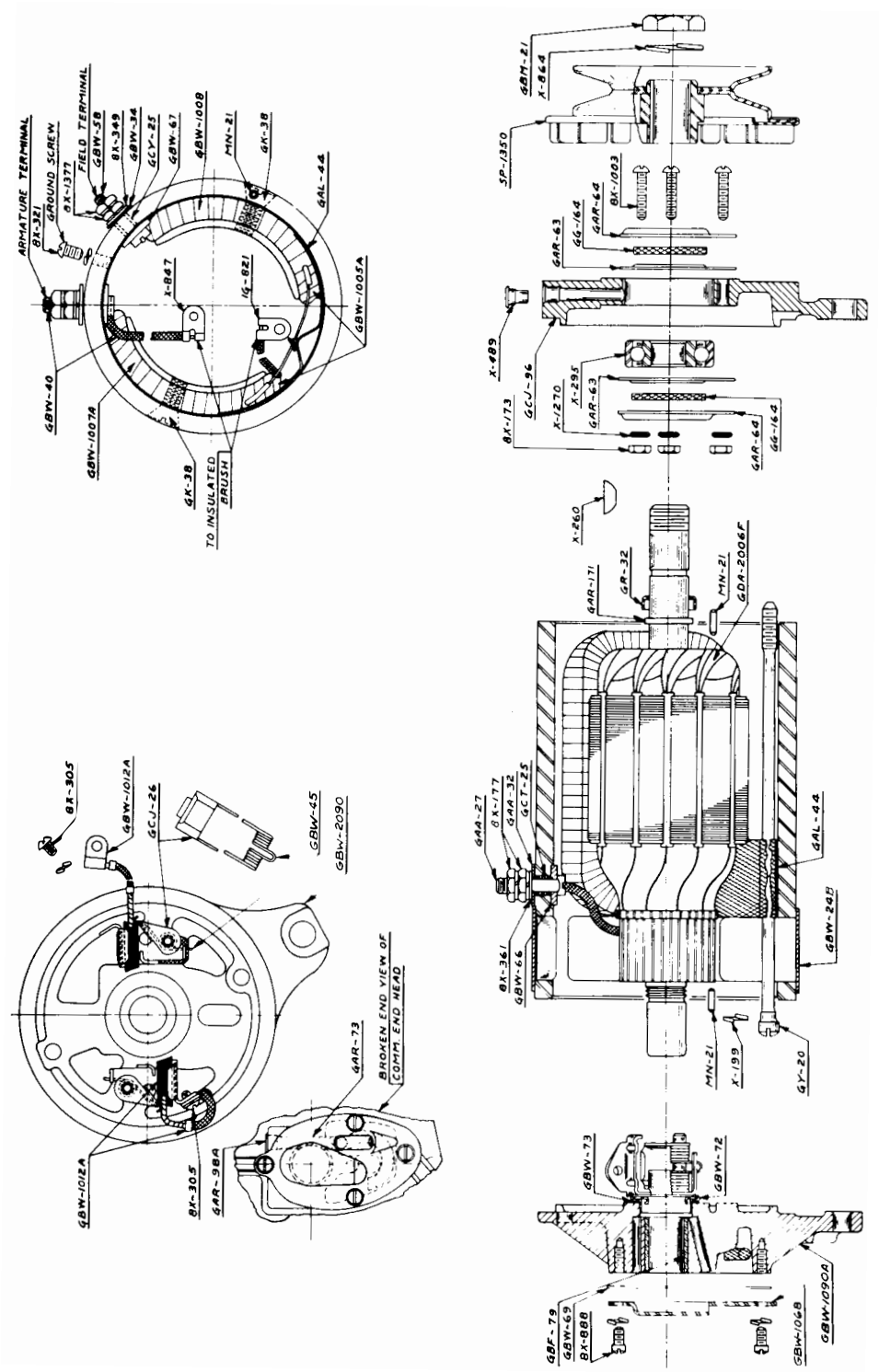
(Issued 5-11-45)

† Brush Set, Service GBW-2012AS.

NOTE:- VRP-4009D Current-Voltage Regulator is used with but is not a part of this generator.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GDA-4810A-1 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GDB-3059)	1	Frame & Field Assembly
GAL-44	1	Field Connection Ins.
GAR-29	2	Pole Piece
GAR-211	1	Insulating Bushing
GBS-2005B	1	FIELD COIL ASSY.- Comp.
GBS-1007G	1	Field Coil Assy.-Left
GAL-171	1	C.B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GBS-1008F	1	Field Coil Assy.-Right
X-959	1	Terminal
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-140	1	#6-32 Hex. Nut
X-194	1	#6 Lock Washer
8X-1008	1	#6-32x9/16 Rd. Hd. Sc.
GK-20	2	Frame Screw
X-199	2	1/4 Lock Washer

Comm. End Plate Assembly & Parts Used With

DA-39	2	Flat Oil Guard
DA-70	1	Armature Shaft Nut
DJ-10	1	End Cap Cover Gasket
GAG-53	1	Comm. End Cap Cover
(GDB-3048)	1	Comm. End Plate Assembly
GBJ-1013†	1	Brush - Third
GCJ-51	1	3rd Brush Plate Retaining Spring
GCJ-1012†	2	Brush - Main
GCM-1048	1	C. E. Plate Part Assy.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
GDB-1014L	1	3rd Brush Plate Assembly
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
8X-311	1	#10-32x3/8 Rd. Hd. Sc.
GR-32	1	Felt Washer Retainer
GR-35	2	Felt Washer
X-195	2	#8 Lock Washer
X-295	1	BALL BEARING - S.A.E. #203
8X-305	2	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCT-2090	1	ARMATURE ASSEMBLY
GAR-171	2	Snap Ring
GJ-104	1	Armature Shaft Spacer
GJ-179	1	7/16 Plain Washer
X-160	1	7/16-20 Hex. Nut
X-205	1	7/16 Lock Washer
X-261	2	#6 Woodruff Key

Drive End Head Assembly & Parts Used With

GCZ-1003A	1	Drive End Head Assembly
GCZ-3A	1	Drive End Head
GG-6	2	Bearing Retainer
GG-164	1	Felt Washer
GK-176	1	Felt Washer Retainer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	BALL BEARING - S.A.E. #203
8X-316	3	#10-32x3/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

GBW-1024B	1	Head Band Assembly
RA-4002	1	CIRCUIT BREAKER ASSEMBLY
CB-123	1	Armature Spring
CB-160S	1	C. B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Screw
X-196	2	#10 Lock Washer
8X-321	2	#10-32x5/16 Rd. Hd. Screw
8X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 4-18-41)

† SERVICE BRUSH SET GDF-2012AS.

UNIT	APPLICATION
GDB-4802	Gray Marine

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GDB-4803 GENERATOR PARTS LIST GDB-4803

PRELIMINARY

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GDB-2065)	1	Frame & Field Assembly
GAL-44	1	Field Connection Ins.
GAR-29	2	Pole Piece
GAR-211	1	Insulating Bushing
GBS-1005D	1	FIELD COIL ASSY.- Comp.
GBS-1007	1	Field Coil Assy.-Left
GAL-289	1	C.B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GBS-1008G	1	Field Coil Assy.-Right
X-959	1	Terminal
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-140	1	#6-32 Hex. Nut
X-194	1	#6 Lock Washer
8X-1008	1	#6-32x9/16 Rd. Hd. Screw
GK-20	2	Frame Screw
X-199	2	1/4 Lock Washer

Comm. End Plate Assembly & Parts Used With

DA-39	2	Flat Oil Guard
DA-70	1	Armature Shaft Nut
DJ-10	1	End Cap Cover Gasket
GAG-53	1	Comm. End Cap Cover
(GDB-2044)	1	Comm. End Plate Assembly
GAR-1014A	1	3rd Brush Plate Assy.
GBJ-1013†	1	Brush - Third
GCJ-51	1	3rd Brush Plate Retaining Spring
GCJ-1012†	2	Brush - Main
GCM-1044	1	C. E. Plate Part Assy.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Sc.
8X-311	1	#10-32x3/8 Rd. Hd. Sc.
GR-32	1	Felt Washer Retainer
GR-35	2	Felt Washer
X-195	2	#8 Lock Washer
X-295	1	BALL BEARING - S.A.E. #203
8X-305	2	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Sc.
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCT-2090	1	ARMATURE ASSEMBLY
GAR-171	2	Snap Ring
GJ-104	1	Armature Shaft Spacer
GJ-179	1	7/16 Plain Washer
X-160	1	7/16-20 Hex. Nut
X-205	1	7/16 Lock Washer
X-261	2	#6 Woodruff Key

Drive End Head Assembly & Parts Used With

GAL-1063B	1	Drive End Head Assembly
GAL-63A	1	Drive End Head
GG-6	2	Bearing Retainer
GG-164	1	Felt Washer
GK-176	1	Felt Washer Retainer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	BALL BEARING- S.A.E. #203
8X-316	3	#10-32x3/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

GBW-1024B	1	Head Band Assembly
RA-4002	1	CIRCUIT BREAKER ASSEMBLY
CB-123	1	Armature Spring
CB-160S	1	C. B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Sc.
X-196	2	#10 Lock Washer
8X-321	2	#10-32x5/16 Rd. Hd. Screw
8X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 4-18-41)

† SERVICE BRUSH SET GDF-2012AS.

UNIT	APPLICATION
GDB-4803	Gray Marine, Wisconsin

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
*	1	Bracket, Mtg., Gen.
(GDB-2052)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GAR-211	1	Bushing, Insulating
GBS-1005	1	Coil Assy., Field, Complete
GBS-1007	1	Coil Assy., Field, Left
GBS-30	1	Lead Assembly
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GBS-1008	1	Coil Assy., Field, Right
X-767	1	Terminal
GK-38	2	Screw, Pole Piece
MN-21	2	Pin, Dowel
GK-20	2	Bolt, Thru
X-199	2	Lockwasher, Thru Bolt, 1/4
X-402‡	2	Pin, Cotter, Brkt. Sc.
8X-863A‡	2	Screw, Mtg. Brkt., Hex. Hd. 5/16-24x1 1/4
X-1014 ‡	2	Lockwasher, Bracket Sc., 5/16
8X-1061 ‡	2	Nut, Brkt. Sc., Castellated 5/16-24

Comm. End Head Assembly & Parts Used With

*	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
*	1	Plate, 3rd. Brush
*	1	Arm, Brush
*	1	Spring, Brush
GBJ-1013 †	1	Brush, Third
GBW-69	1	Gasket, C.E. Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Retaining
GBW-1068	1	Cover, Comm. End
GCJ-51	1	Spring, Retaining, 3rd Brush Plate
GCJ-1012 †	2	Brush, Main
GCM-1002C	1	Head Assy., Partial, C.E.
GBF-79	1	Bearing, Abs. Bronze
GBW-45	2	Spring, Brush
GCJ-26	2	Arm, Brush
12X-195	4	Lockwasher, Cover Sc., #8
8X-311	1	Screw, Spring, Rd. Hd. #10-32x3/8
8X-888	4	Screw, Cover, Fill. Hd. #8-32x5/16
X-195	3	Lockwasher, Brush Lead Sc. #8
8X-305	3	Screw, Brush Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
*	1	Nut, Arm, Shaft, D.E.
GCT-2006	1	Armature Assy.
GAR-171	1	Snap Ring
GR-32	1	Retainer, Felt Washer
*	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

GBJ-1003C	1	Head Assy., Drive End
GAR-63	2	Retainer, Felt Washer
GAR-64	2	Retainer, Bearing
GBJ-3C	1	Head
GG-164	2	Washer, Felt
8X-173	3	Nut, Retainer Sc., Hex. #10-32
X-196	3	Lockwasher, Retainer Sc., #10
X-295	1	Bearing, Ball, S.A.E. #203
X-489	1	Oiler
8X-1003	3	Screw, Retainer, Rd. Hd. #10-32x7/8

Miscellaneous Parts

CBW-1024B	1	Band, Cover
TC-4310A	1	Regulator, Two Charge
X-196	4	Lockwasher, Regulator Mtg. Sc., #10
8X-321	4	Screw, Regulator Mtg., Rd. Hd. #10-32x5/16
X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† Brush Set, Service GCJ-2012BS.
‡ Used with GDB-4804A,B,C Only.
* See table following parts list for part number applying to assembly wanted.

(See Reverse Side)

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GDB-4804A,B,C,D GENERATOR PARTS LIST (Con't.)

Assembly No.	Bracket	C.E. Head	Plate	Arm	Spring	Nut	Pulley
GDB-4804A	GCM-66	GDB-2002	GAR-1014A	None	None	GBM-21B	SP-322
GDB-4804B	GCM-66	GDB-2002	GAR-1014A	None	None	GBM-21B	SP-322
GDB-4804C	GCM-71	GDB-2002	GAR-1014A	None	None	SP-357	SP-460
GDB-4804D	None	GDB-2002A	GAR-1014B	GAR-219	GAR-221	GBM-21B	SP-322

(Issued 12-22-48)

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Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GDB-4805 GENERATOR PARTS LIST GDB-4805

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GDB-3067)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GAR-211	1	Bushing, Insulating
GBS-2005	1	Coil Assy., Field, Comp.
GBS-1007A	1	Coil Assy., Field, Left
GAL-298	1	Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GBS-1008	1	Coil Assy., Field, Right
X-767	1	Terminal
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel, Head Locating
GT-20	2	Bolt, Thru
X-199	2	Washer, Lock, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

DA-39	2	Washer, Plain, Felt Retaining
DA-132	1	Washer, Felt
GAB-188	1	Washer, Felt
GAR-82	1	Deflector, Air
GAR-83A	1	Cover, Comm. End
GBJ-25	1	Gasket, Comm. End Cover
(GDB-3037)	1	Head Assy., Comm. End
GBJ-1013†	1	Brush, Third
GCJ-51	1	Spring, Retaining, 3rd Brush Plate
GCJ-1012†	2	Brush, Main
GCM-1037	1	Head Assy., Partial, C.E.
GBW-45	2	Spring, Brush
GCJ-26	2	Arm, Brush
GDB-1014L	1	Plate, 3rd Brush
8X-311	1	Screw, Plate Retaining, Rd. hd., #10-32x3/8
GR-32	1	Retainer, Felt Washer
8X-66	3	Screw, Air Deflector, Flat hd., #10-32x1/2
X-195	3	Washer, Lock, Brush Lead, #8
X-295	1	Bearing, Ball, S.A.E. #203
8X-305	3	Screw, Brush Lead, Rd. hd., #8-32x1/4
X-489	1	Oiler, Hinge Top, Press in, 1/4
8X-726	3	Screw, Attaching, C.E. Cover, Bdg. hd., #10-32x7/16
X-1270	3	Washer, Skpf., C.E Cover Screw, #10
X-1621	3	Washer, Skpf., Air Deflector Screw, #10
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAR-1177	1	Oil Thrower
GBM-21	1	Nut, Arm. Shaft, C.E., Hex., .669-20
GCT-2042	1	Armature Assy.
GAR-171	1	Snap Ring
SP-96C	1	Fan, Ventilating
X-157	1	Nut, Shaft, D.E., Hex., 1/2-20
X-258	1	Key, Woodruff, C.E., #3
X-263	1	Key, Woodruff, D.E., #8
X-358	1	Washer, Plain, Arm. Shaft, 1/2
X-404	1	Pin, Cotter, 3/32x1
X-864	1	Washer, Lock, Arm. Shaft, C.E., .669

Drive End Head Assembly & Parts Used With

GAL-1330	1	Head Assy., Drive End
GAL-330	1	Head, Drive End
GX-9	1	Retainer, Bearing
GX-10	1	Gasket, Retainer
X-196	3	Washer, Lock, Retainer Sc., #10
8X-311	3	Screw, Retainer, Rd. hd., #10-32x3/8
X-378	1	Bearing, Ball, Shielded, S.A.E. #204

Miscellaneous Parts

GBW-1024B	1	Band, Cover
TC-4310A	1	Regulator, Two Charge
X-196	4	Washer, Lock, Regulator Mtg., #10
8X-321	4	Screw, Mtg., Regulator, Rd. hd., #10-32x5/16
X-715	1	Screw, Cover Band, Rd. hd., #10-32x1 1/4
8X-794	1	Nut, Cover Band, Square, #10-32
		1 2 3 4 5

(Issued 4-27-44)

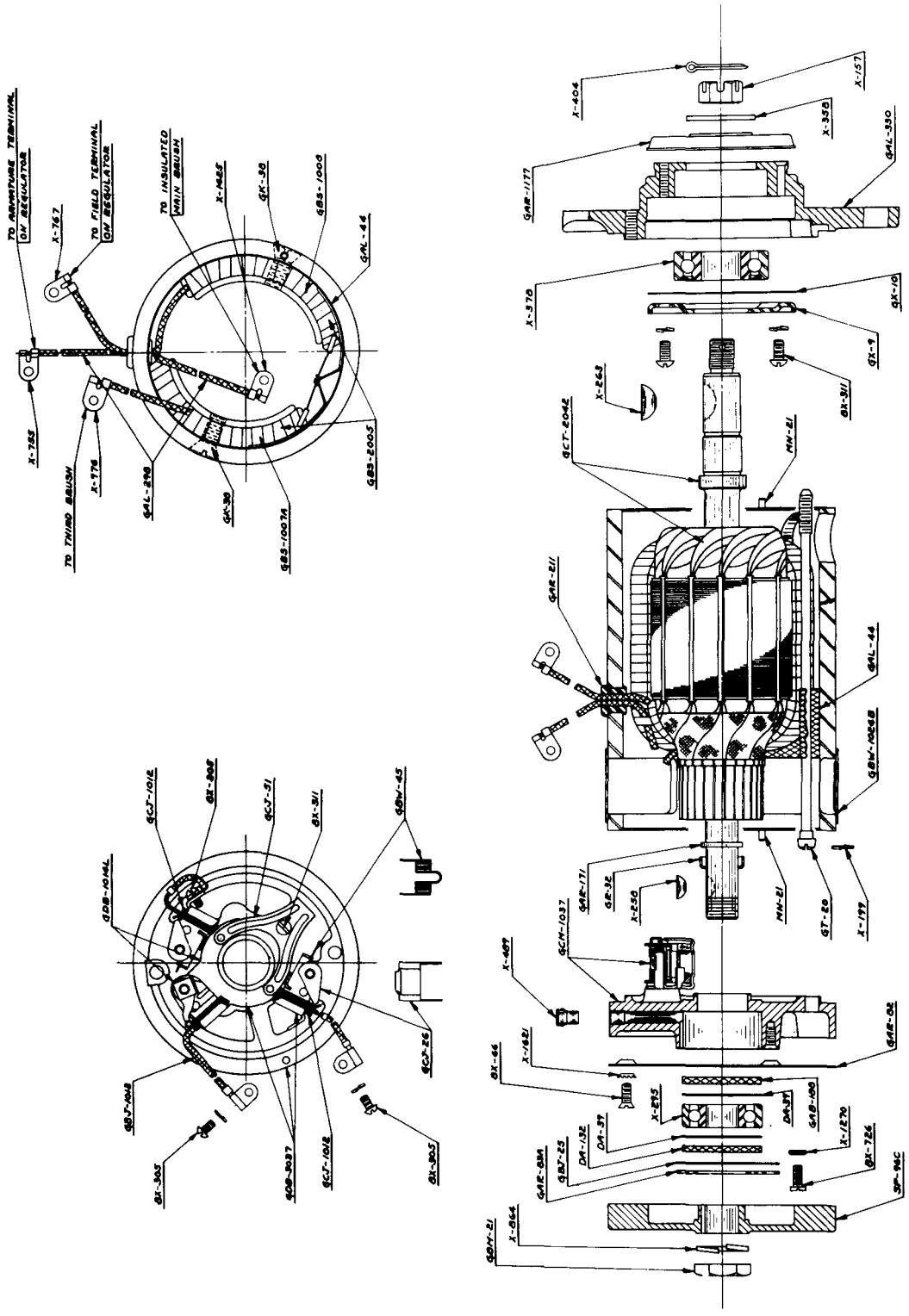
† Brush Set, Service, GCJ-2012BS.

Printed in U. S. A.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

File in Equipment & Parts List Binder

GDB-4805 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GDB-2070	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GAR-211	1	Bushing, Insulating
GBS-1005E	1	COIL ASSY., FIELD, COMPLETE
GBS-1007K	1	Coil Assy., Field, Left
GBS-35	1	Lead Assembly
X-755	1	Terminal
X-847	1	Terminal
X-976	1	Terminal
GBS-1008G	1	Coil, Assy., Field, Right
X-959	1	Terminal
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
8X-140	1	Nut, Grd. Sc., Hex. #6-32
12X-194	1	Lockwasher, Grd. Sc., #6
8X-1008	1	Screw, Field Ground, Rd. Hd. #6-32x9/16
GK-20A	2	Bolt, Thru
12X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

GCJ-2012S	1	BRUSH SET, SERVICE
GDB-2069S	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBW-69	1	Gasket, C.E. Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GBW-1068	1	Cover, Comm. End
GCJ-51	1	Spring, Retaining, 3rd. Brush Plate
GCJ-1014L	1	Plate Assy., 3rd. Brush
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCM-1069A	1	Head Assy., Partial, C.E.
GBF-79	1	BEARING, ABS. BRONZE
GBW-45	2	Spring, Brush
GCJ-26	2	Arm, Brush
12X-195	4	Lockwasher, Cover Sc., #8
8X-311	1	Screw, Spring, Rd. Hd. #10-32x3/8

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
8X-888	4	Screw, Cover, Fill. Hd. #8-32x5/16
12X-195	3	Lockwasher, Lead Sc., #8
8X-1507	3	Screw, Brush Lead, Bdg. Hd. #8-32x1/4

Armature Assembly & Parts Used With

GAL-310	1	Spacer, Arm. Shaft
GCT-2091	1	ARMATURE
GK-174	1	Washer, Shaft, D.E., Plain, 1/2
X-156	1	Nut, Shaft, D.E., Castellated 1/2-20
X-263	1	Key, Woodruff, #8
X-404	1	Pin, Cotter

Drive End Head Assy. & Parts Used With

GDF-1003E	1	Head Assy., Drive End
DB-17	1	Washer, Felt Retaining
GAR-95	1	Washer, Felt, Inner
GBC-25	1	Retainer, Felt Washer, Inner
GDF-3E	1	Head, Drive End
GG-164	1	Washer, Felt, Outer
GX-9	1	Retainer, Bearing
12X-196	3	Lockwasher, Retainer Sc., #10
X-298	1	BEARING, BALL, S.A.E. #204
8X-311	3	Screw, Brg. Retainer, Rd. Hd. #10-32x3/8
X-489	1	Oiler

Miscellaneous Parts

GBW-1024B	1	Band, Cover
RA-4002	1	RELAY ASSY., CUT-OUT
CB-123	1	Spring, Armature
CB-160S	1	Cover, Relay
PX-55	1	Screw, Bdg. Hd. #10-32x3/16
X-196	2	Lockwasher, #10
8X-312	1	Screw, Rd. Hd. #10-32x1/4
12X-196	2	Lockwasher, Mtg. Sc., #10
8X-321	2	Screw, Relay Mtg., Rd. Hd. #10-32x5/16
X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

UNIT	APPLICATION
GDB-4806-2	Chris Craft
GDB-4806-2N	Universal

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GDB-4807-2,-2N GENERATORS PARTS LIST

GDB-4807-2, -2N
(Issued 3-28-51)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GDB-3068)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GAL-298	1	Lead Assembly
X-755	1	Terminal
X-1425	1	Terminal
GAR-211	1	Bushing, Insulating
GBS-2005C	1	COIL ASSY., FIELD, COMPLETE
GBS-1007J	1	Coil Assy., Field, Left
X-959	1	Terminal
GBS-1008J	1	Coil Assy., Field Right
X-976	1	Terminal
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
8X-140	1	Nut, Grd. Sc., Hex. #6-32
12X-194	1	Lockwasher, Grd. Sc., #6
8X-1008	1	Screw, Field Ground, Rd. Hd. #6-32x9/16
GK-20A	2	Bolt, Thru
12X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

GDB-3058	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBW-69	1	Gasket, C.E. Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GBW-1068	1	Cover, Comm. End
GCJ-51	1	Spring, Retaining, 3rd. Brush Plate
GCJ-1012†	2	Brush, Main
GCJ-1013†	1	Brush, Third
GCJ-1014	1	Plate Assy., 3rd. Brush
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCM-1058A	1	Head Assy., Partial, C.E.
GBF-79	1	BEARING, ABS. BRONZE
GBW-45	2	Spring, Brush
GCJ-26	2	Arm, Brush
12X-195	4	Lockwasher, Cover Sc., #8
8X-311	1	Screw, Spring, Rd. Hd. #10-32x3/8
8X-888	4	Screw, Cover, Fill. Hd. #8-32x5/16
12X-195	3	Lockwasher, Brush Lead Sc., #8
8X-1507	3	Screw, Brush Lead, Bdg. Hd. #8-32x1/4

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GAL-310	1	Spacer, Arm. Shaft
GCT-2091	1	ARMATURE
GK-174	1	Washer, Shaft, D.E., Plain 1/2
X-156	1	Nut, Shaft, D.E., Castellated 1/2-20
X-263	1	Key, Woodruff, #8
X-404	1	Pin, Cotter

Drive End Head Assembly & Parts Used With

GDF-1003D	1	Head Assy., Drive End
DB-17	1	Washer, Felt Retaining
GAR-95	1	Washer, Felt, Inner
GBC-25	1	Retainer, Felt Washer, Inner
GDF-3D	1	Head, Drive End
GG-164	1	Washer, Felt, Outer
GX-9	1	Retainer, Bearing
12X-196	3	Lockwasher, Retainer Sc., #10
X-298	1	BEARING, BALL, S.A.E. #204
8X-311	3	Screw, Brg. Retainer, Rd. Hd. #10-32x3/8
X-489	1	Oiler

Miscellaneous Parts

GBW-1024B	1	Band, Cover
RA-4002	1	RELAY ASSY., CUT-OUT
CB-123	1	Spring, Armature
CB-160S	1	Cover, Relay
PX-55	1	Screw, Bdg. Hd. #10-32x3/16
X-196	2	Lockwasher, #10
8X-312	1	Screw, Rd. Hd. #10-32x1/4
12X-196	2	Lockwasher, Mtg. Sc., #10
8X-321	2	Screw, Relay Mtg., Rd. Hd. #10-32x5/16
X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GCJ-2012S.

UNIT	APPLICATION
GDB-4807-2	Chris Craft
GDB-4807-2N	Universal

Printed in U. S. A.

File in Equipment & Parts List Binder

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ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

PRELIMINARY

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GDB-2081)	1	Frame & Field Assembly
GAL-44	1	Field Connection Ins.
GAR-29	2	Pole Piece
GAR-211	1	Insulating Bushing
GBS-1005	1	FIELD COIL ASSY.- Comp.
GBS-1007	1	Field Coil Assy.-Left
GAL-289	1	C. B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GBS-1008	1	Field Coil Assy.-Right
X-767	1	Terminal
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
GT-20	2	Frame Screw
X-199	2	1/4 Lock Washer

Comm. End Plate Assembly & Parts Used With

DA-39	2	Flat Oil Guard
DA-132	1	Felt Washer
GAB-188	1	Felt Washer
GAR-82	1	Air Deflector
GAR-83	1	Comm. End Cap
GBJ-25	1	End Cap Cover Gasket
(GDB-2035)	1	Comm. End Plate Assembly
GAR-1014A	1	3rd Brush Holder Plate Assembly
GBJ-1013†	1	Brush - Third
GCJ-51	1	3rd Brush Plate Retaining Spring
GCJ-1012†	2	Brush - Main
GCM-1035	1	C. E. Plate Part Assembly
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
8X-311	1	#10-32x3/8 Rd. Hd. Screw
GR-32	1	Felt Washer Retainer
X-62	6	#10-32x3/8 Flat Hd. Screw
X-195	2	#8 Lock Washer
X-295	1	BALL BEARING - S.A.E. #203
8X-305	2	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAR-1177	1	Oil Thrower Assembly
GEM-21	1	Armature Shaft Nut
GCT-2042	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
SP-96	1	Ventilating Fan
X-157	1	1/2-20 Slotted Nut
X-258	1	#3 Woodruff Key
X-263	1	#8 Woodruff Key
X-358	1	1/2 Plain Steel Washer
X-404	1	3/32x1 Cotter Pin
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GAL-1330	1	Drive End Head Assembly
GAL-330	1	Drive End Head
GX-9	1	Bearing Retainer
GX-10	1	Gasket
X-196	3	#10 Lock Washer
8X-311	3	#10-32x3/8 Rd. Hd. Screw
X-378	1	BALL BRG. - Oil Seal

Miscellaneous Parts

GBW-1024B	1	Head Band Assembly
TC-4310A	1	TWO CHARGE REGULATOR
X-196	4	#10 Lock Washer
8X-321	4	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 4-22-41)

† SERVICE BRUSH SET GDF-2012AS.

UNIT	APPLICATION
GDB-4814	Northwest Eng. Co.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
	1 2 3 4 5	
(GDC-3001)	1	Frame & Field Assy.
GAR-211	2	Insulating Bushing
GCG-29	2	Pole Piece
GDC-1007	1	Shunt Coil - Left
GDC-1008A	1	Series Field Coil Assy.-Right
GCG-31	1	Series Lead - Green
GCG-32	1	Ins. Brush Lead Assy.
X-1425	1	Terminal
GCG-34	1	C.B. Lead - White
GK-38	2	Pole Piece Screw
MAB-30	1	Field Connection Ins.
MN-21	2	Dowel Pin
MW-20	2	Frame Screw
X-199	2	1/4 Lock Washer

Comm. End Plate Assembly & Parts Used With

DA-22	1	Bearing Retaining Washer
DA-39	1	Flat Oil Guard
DA-60	1	Bearing Retaining Screw
DJ-4	1	Comm. End Cap Cover
DJ-10	1	End Cap Cover Gasket
(GCG-3002)	1	Comm. End Plate Assy.
GCG-1012‡	2	Brush - Main
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Sc.
GR-32	1	Felt Washer Retainer
GR-35	1	Felt Washer
X-195	1	#8 Lock Washer
X-199	1	1/4 Lock Washer
X-295	1	Ball Bearing - S.A.E. #203
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-469	1	1/4 Oiler - Press in Type
X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill.Hd.Screw
	1 2 3 4 5	

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
	1 2 3 4 5	
GBM-21	1	Armature Shaft Nut
GDC-3286F	1	Armature Assy.
GAR-171	2	Snap Ring
GR-32	1	Felt Washer Retainer
SP-216	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GAR-1062D	1	Drive End Head Assy.
GAR-62C	1	Drive End Head
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-295	1	Ball Bearing - S.A.E. #203
X-386	1	Ball Oiler - 1/4 Press In
8X-1003	3	#10-32x7/8 Rd. Hd. Screw
X-1270	3	#10 Skpf. Washer

Miscellaneous Parts

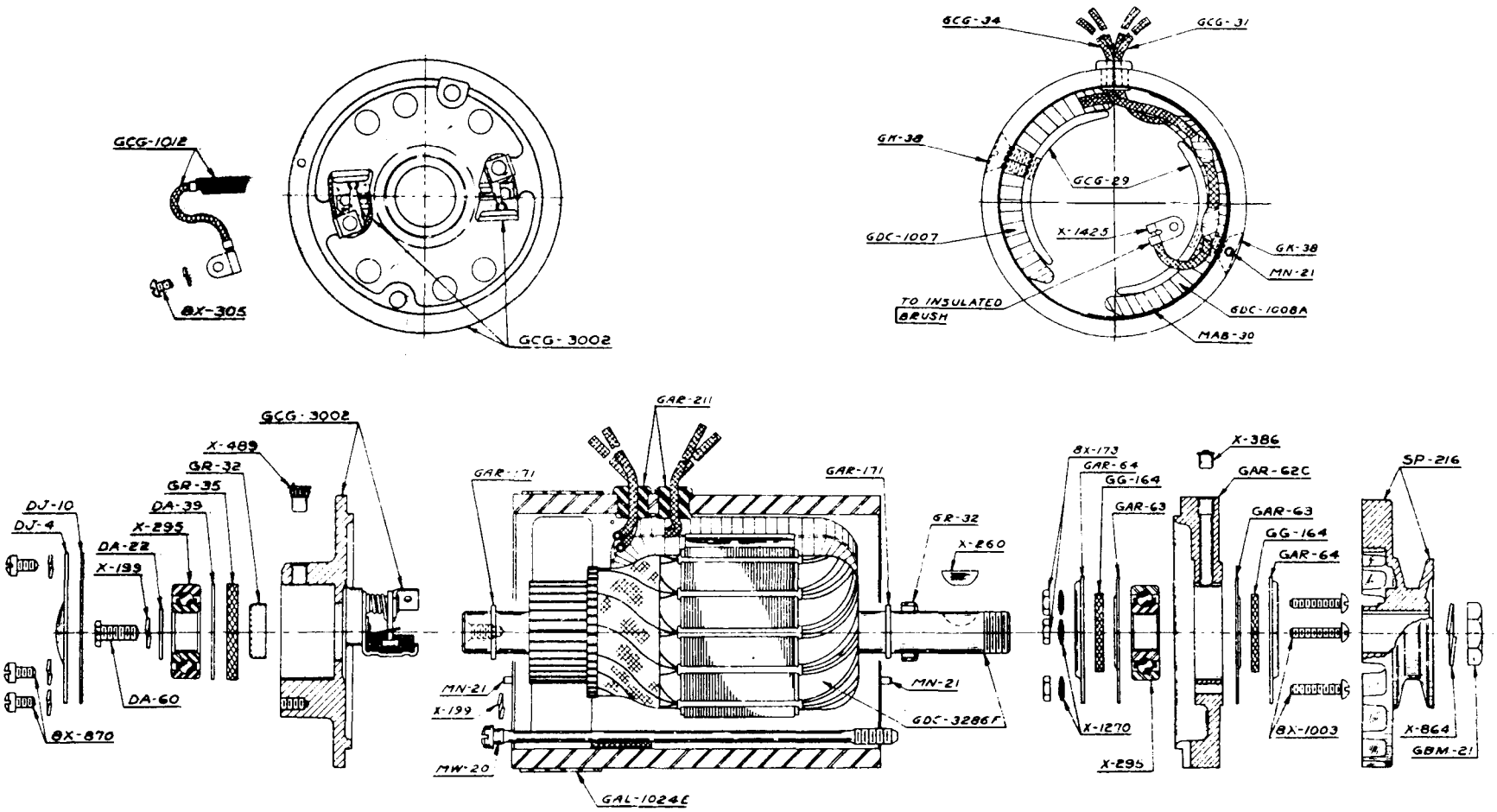
GAL-1024E	1	Head Band Assembly
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
	1 2 3 4 5	

(Issued 11-30-37)

‡ Service Brush Set GCG-2012S.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GDC-4601A GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCB-20	2	Frame Screw
(GCW-3032)	1	Frame & Field Assembly
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-66	1	Terminal Post Bottom Ins.
GBW-67	1	Terminal Post Bottom Ins.
GBY-38	4	Pole Piece Screw
GCB-29	2	Pole Piece
GCE-60S	1	Mounting Bracket
GCT-25	1	Insulating Bushing
GCW-2005	1	FIELD COIL ASSY.- Comp.
GBW-58	1	Terminal Post
GCW-1007A	1	Field Coil Assy.-Left
GCE-26	1	Control Lead
GCE-34	1	Terminal Post
X-847	1	Terminal
GCW-1008A	1	Field Coil Assy.-Right
IG-821	1	Terminal
GCY-25	1	Insulating Bushing
MN-21	2	Dowel Pin
8X-113	2	5/16-24x5/8 Hex. Hd. Sc.
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
X-1014	2	5/16 Lock Washer
8X-1377	1	#10-32 Hex. Nut
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	2	#10 Lock Washer
X-203	2	5/16 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

DA-22	1	Bearing Retaining Washer
DA-39	1	Flat Oil Guard
DA-60	1	Bearing Retaining Screw
DH-7	1	Felt Washer
GBJ-25	1	End Cap Cover Gasket
GBJ-32	1	Comm. End Cap Cover
GDD-3080	1	Comm. End Plate Assembly
GCE-53	2	Brush Spring
GCE-54	2	Brush Arm
GDD-1012†	2	Brush - Main
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-195	1	#8 Lock Washer
X-199	1	1/4 Lock Washer
X-295	1	BALL BEARING - S.A.E. #203
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DA-70	1	Armature Shaft Nut
GDD-2058F	1	ARMATURE ASSEMBLY
X-160	1	7/16-20 Hex. Nut
X-205	1	7/16 Lock Washer
X-261	1	#6 Woodruff Key

Drive End Head Assembly & Parts Used With

GCE-1068	1	Drive End Head Assembly
GAU-31	1	Felt Washer
GCE-68	1	Drive End Head
GG-6	1	Bearing Retainer
GK-176	1	Felt Washer Retainer
GT-76	1	Felt Washer Retainer
GT-78	1	Felt Washer
X-196	3	#10 Lock Washer
X-295	1	BALL BRG.- S.A.E. #203
8X-311	3	#10-32x3/8 Rd. Hd. Sc.
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

GCE-24C	1	Head Band
8X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 5-19-41)

† SERVICE BRUSH SET GDD-2012S.

NOTE:- VRS-4005B CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GDD-4801	Kermath

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GAS-20A	2	Bolt, Thru
(GAS-2163A)	1	Frame & Field Assy.
GAS-44	1	Insulation, Field Connection
GAS-45	4	Holder, Field Coil
GAS-86	1	Lead Assy.
X-1423	1	Terminal
GAS-121	1	Bushing, Insulating
GAS-2005D	1	COIL ASSY., FIELD, COMPLETE
GAS-1007B	1	Coil Assy., Field, Left
X-1423	1	Terminal
GAS-1008C	1	Coil, Field, Right
MN-21	2	Pin, Dowel
MZ-38A	2	Screw, Pole Shoe
X-755	2	Terminal
12X-544	2	Lockwasher, Thru Bolt, #10

Comm. End Head Assembly & Parts Used With

IA-175	1	Washer, Felt Retaining, Plain
GAS-69A	1	Cover, Comm. End
GAS-70	1	Gasket, Cover, Comm. End
GAS-71	1	Washer, Bearing Retaining
GAS-77	1	Washer, Felt
GAS-78	1	Retainer, Felt Washer
GAS-2079G	1	Head Assy., Comm. End
GAS-51	2	Spring, Retaining, 3rd Brush Plate
GAS-79B	1	Head
GAS-2021R	1	Plate Assy., Main Brush
GAL-31	1	Lead Assy., Ground
X-958	2	Terminal
GAS-15	2	Holder, Brush
GAS-17	1	Spring, Brush, Grounded
GAS-18	1	Spring, Brush, Insulated
GAS-1021R	1	Plate, Main Brush
GEM-12 †	2	Brush, Main
8X-122	1	Screw, Grounded Brush, Fill. Hd. #8-32x1/2
X-195	2	Lockwasher, Brush Sc.,#8
8X-1496	1	Screw, Insulated Brush, Bdg. Hd. #8-32x7/16
GAS-2082R	1	Plate Assy., 3rd Brush
GAS-15	1	Holder, Brush
GAS-17	1	Spring, Brush
GAS-1082R	1	Plate, 3rd Brush
GEM-13 †	1	Brush
X-195	1	Lockwasher, Brush Sc.,#8
8X-1496	1	Screw, Brush, Bdg. Hd. #8-32x7/16
8X-55	3	Screw, Plate, Rd. Hd. #8-32x3/8
X-195	1	Lockwasher, Plate Sc., #8
X-386	1	Oiler

Comm. End Head Assy. (Continued)

Part No.	No. Used	Name of Part
8X-61	1	Screw, Bearing Retaining, Flat Hd. #10-32x7/16
8X-63	3	Screw, Cover, Flat Hd. #8-32x3/8
X-293	1	BEARING, BALL, S.A.E. #201

Armature Assembly & Parts Used With

GDE-2076	1	ARMATURE ASSY.
GAS-53	1	Snap Ring, D.E.
IA-158	1	Snap Ring, C.E.
*	1	Pulley, Drive
8X-160	1	Nut, Arm. Shaft
X-1278	1	Washer, Shaft, Skpf. 7/16
X-1460A	1	Key, Woodruff, #212

Drive End Head Assembly & Parts Used With

GAS-1075E	1	Head Assy., Drive End
DB-13	1	Retainer, Felt Washer, Flat
GAS-73	1	Retainer, Felt Washer, Cupped
GAS-74	1	Retainer, Bearing
GAS-75B	1	Head
IGP-34	1	Wick, Felt
SC-127	1	Washer, Felt
8X-55	3	Screw, Retainer, Rd. Hd. #8-32x3/8
X-195	3	Lockwasher, Retainer Sc., #8
X-294	1	BEARING, BALL, S.A.E.#202
X-489	1	Oiler

Miscellaneous Parts

GAS-1171A	1	Band, Cover
*	1	REGULATOR, TWO CHARGE
8X-118	1	Screw, Cover Band, Fill. Hd. #10-32x3/4
12X-196	4	Lockwasher, Regulator Mtg. Sc., #10
8X-309	1	Screw, Regulator Mtg., Rd. Hd. #10-32x1/2
8X-321	3	Screw, Regulator Mtg., Rd. Hd. #10-32x5/16

† BRUSH SET, SERVICE GEM-2012S.

* See table following parts list for part number applying to assembly wanted.

Assembly No.	Pulley	Regulator
GDE-4101	None	TC-4301C
GDE-4101A	SP-864	TC-4328A

UNIT	APPLICATION
GDE-4101,A	Indian

(Issued 10-15-48)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-20A	2	Frame Screw
(GAS-3169)	1	Frame & Field Assy.
GAS-29	2	Pole Piece
GAS-44	1	Field Connection Ins.
GAS-45	4	Field Coil Holder
GAS-86	1	C. B. Lead Assy.
X-1423	1	Terminal
GAS-121	1	Insulating Bushing
GAS-2005C	1	Field Coil Assy.-Comp.
GAS-1007A	1	Field Coil Assy.-Left
X-1424	1	Terminal
GAS-1008C	1	Field Coil - Right
MN-21	2	Dowel Pin
MZ-38A	2	Pole Piece Screw
X-755	2	Terminal
X-544	2	#10 Lock Washer

Comm. End Plate Assembly & Parts Used With

(GAS-3002A)	1	Comm. End Plate Assy.
GAS-51	2	3rd Br. Plate Retaining Spring
GAS-1002A	1	Comm. End Plate Part Assy.
GAS-49	1	Absorbent Bronze Brg.
GAS-2014L	1	3rd Brush Holder Plate Assy.
GAS-13‡	1	Brush - Third
GAS-15	1	Brush Holder
GAS-18	1	Brush Spring
GAS-1014L	1	3rd Br. Holder Plate Part Assy.
8X-878	1	#8-32x7/16 Fill. Hd. Screw
X-1275	1	#8 Skpf. Washer
GAS-2021L	1	Brush Holder Plate Assy.
GAL-31	1	Ground Connector Assy.
X-958	2	Terminal - Side
GAS-12‡	2	Brush - Main
GAS-15	2	Brush Holder
GAS-17	1	Brush Spring
GAS-18	1	Brush Spring
GAS-1021L	1	Brush Hldr. Plate Part Assy.
8X-122	2	#8-32x1/2 Fill. Hd. Screw
X-1275	2	#8 Skpf. Washer
8X-55	3	#8-32x3/8 Rd. Hd. Screw
X-195	1	#8 Lock Washer

Armature Assembly & Parts Used With

GAS-89	1	Armature Shaft Spacer
GDE-3114	1	Armature Assy.
GAS-53	1	Snap Ring
8X-160	1	7/16-20 Hex. Nut
X-1460	1	#212 Woodruff Key
		1 2 3 4 5

Drive End Head Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-1075D	1	Drive End Head Assy.
DB-13	1	Flat Felt Guard.
GAS-73	1	Cupped Felt Guard
GAS-74	1	Bearing Retainer
GAS-75B	1	Drive End Head
IGP-34	1	Felt Wick
SC-127	1	Felt Washer
8X-55	3	#8-32x3/8 Rd. Hd. Screw
X-195	3	#8 Lock Washer
X-294	1	Ball Brg. - S.A.E. #202
X-489	1	1/4 Oiler - Press in Type

Dist. Mounting Housing & Parts Used With

GAG-58A	1	Dist. Mounting Housing Clamp
GAS-52A	1	Grease Hole Cover
GT-121C	1	Dist. Mounting Housing
GW-19A	1	Bearing Cover
IG-86	1	Dist. Drive Rivet
IG-256	1	Dist. Gear - Driver.
8X-53	1	#8-32x5/8 Rd. Hd. Screw
8X-141	1	#8-32 Hex. Nut
8X-505	1	1/8 Pipe Plug
X-544	3	#10 Lock Washer
8X-900	3	#10-32x7/8 Fill. Hd. Screw

Miscellaneous Parts

GAS-1172	1	Head Band Assy.
TC-4305A	1	Two-Charge Regulator & Circuit Breaker
8X-118	1	#10-32x3/4 Fill. Hd. Screw
X-196	4	#10 Lock Washer
8X-321	4	#10-32x5/16 Rd. Hd. Screw
		1 2 3 4 5

(Issued 8/12/38)

‡ Service Brush Set GAS-2012.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GDE-4102 GENERATOR ILLUSTRATION

Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-20	2	Frame Screw
(GAS-3163)	1	Frame & Field Assembly
GAS-29	2	Pole Piece
GAS-44	1	Field Connection Ins.
GAS-45	4	Field Coil Holder
GAS-86	1	C. B. Lead Assembly
X-1423	1	Terminal
GAS-121	1	Insulating Bushing
GAS-2005C	1	FIELD COIL ASSY.- COMP.
GAS-1007A	1	Field Coil Assy.- Left
X-1424	1	Terminal
GAS-1008C	1	Field Coil - Right
MN-21	2	Dowel Pin
MZ-38	2	Pole Piece Screw
X-755	2	Terminal
X-544	2	#10 Lock Washer

Comm. End Plate Assy. & Parts Used With

GAS-69	1	Comm. End Cap Cover
GAS-70	1	End Cap Cover Gasket
GAS-71	1	Bearing Retaining Washer
GAS-77	1	Felt Washer
GAS-78	1	Felt Washer Retainer
(GAS-3068)	1	Comm. End Plate Assembly
GAS-51	2	3rd Brush Plate Retaining Spring
GAS-68	1	Comm. End Plate
GAS-2021L	1	Brush Holder Plate Assy.
GAL-31	1	Ground Connector Assy.
X-958	2	Terminal
GAS-12‡	2	Brush - Main
GAS-15	2	Brush Holder
GAS-17	1	Brush Spring
GAS-18	1	Brush Spring
GAS-1021L	1	Br. Holder Plate Part Assembly
8X-122	2	#8-32x1/2 Fill. Hd. Sc.
X-1275	2	#8 Skpf. Washer
GAS-2072L	1	3rd Brush Holder Plate Assembly
GAS-13‡	1	Brush - Third
GAS-15	1	Brush Holder
GAS-18	1	Brush Spring
GAS-1072L	1	3rd Brush Holder Plate Part Assembly
8X-878	1	#8-32x7/16 Fill. Hd. Sc.
X-1275	1	#8 Skpf. Washer
8X-55	3	#8-32x3/8 Rd. Hd. Screw
X-195	1	#8 Lock Washer
X-489	1	1/4 Oiler - Press in Type
IA-175	1	Flat Steel Washer
8X-61	1	#10-32x7/16 Flat Hd. Screw
X-63	3	#8-32x3/8 Flat Hd. Screw
X-293	1	BALL BEARING - S.A.E. #201
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GDE-3076	1	ARMATURE ASSEMBLY
GAS-53	1	Snap Ring
IA-158	1	Snap Ring
X-160	1	7/16-20 Hex. Nut
X-1278	1	7/16 Skpf. Washer
X-1460	1	#212 Woodruff Key

Drive End Head Assy. & Parts Used With

GAS-1075E	1	Drive End Head Assembly
DB-13	1	Flat Felt Guard
GAS-73	1	Cupped Felt Guard
GAS-74	1	Bearing Retainer
GAS-75B	1	Drive End Head
IGP-34	1	Felt Wick
SC-127	1	Felt Washer
8X-55	3	#8-32x3/8 Rd. Hd. Screw
X-195	3	#8 Lock Washer
X-294	1	BALL BRG.- S.A.E. #202
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

GAS-1171	1	Head Band Assembly
TC-4305A	1	TWO CHARGE REGULATOR
X-118	1	#10-32x3/4 Fill. Hd. Screw
X-196	4	#10 Lock Washer
8X-321	4	#10-32x5/16 Rd. Hd. Screw
		1 2 3 4 5

(Issued 4-2-40)

‡ Service BRUSH SET GAS-2012.

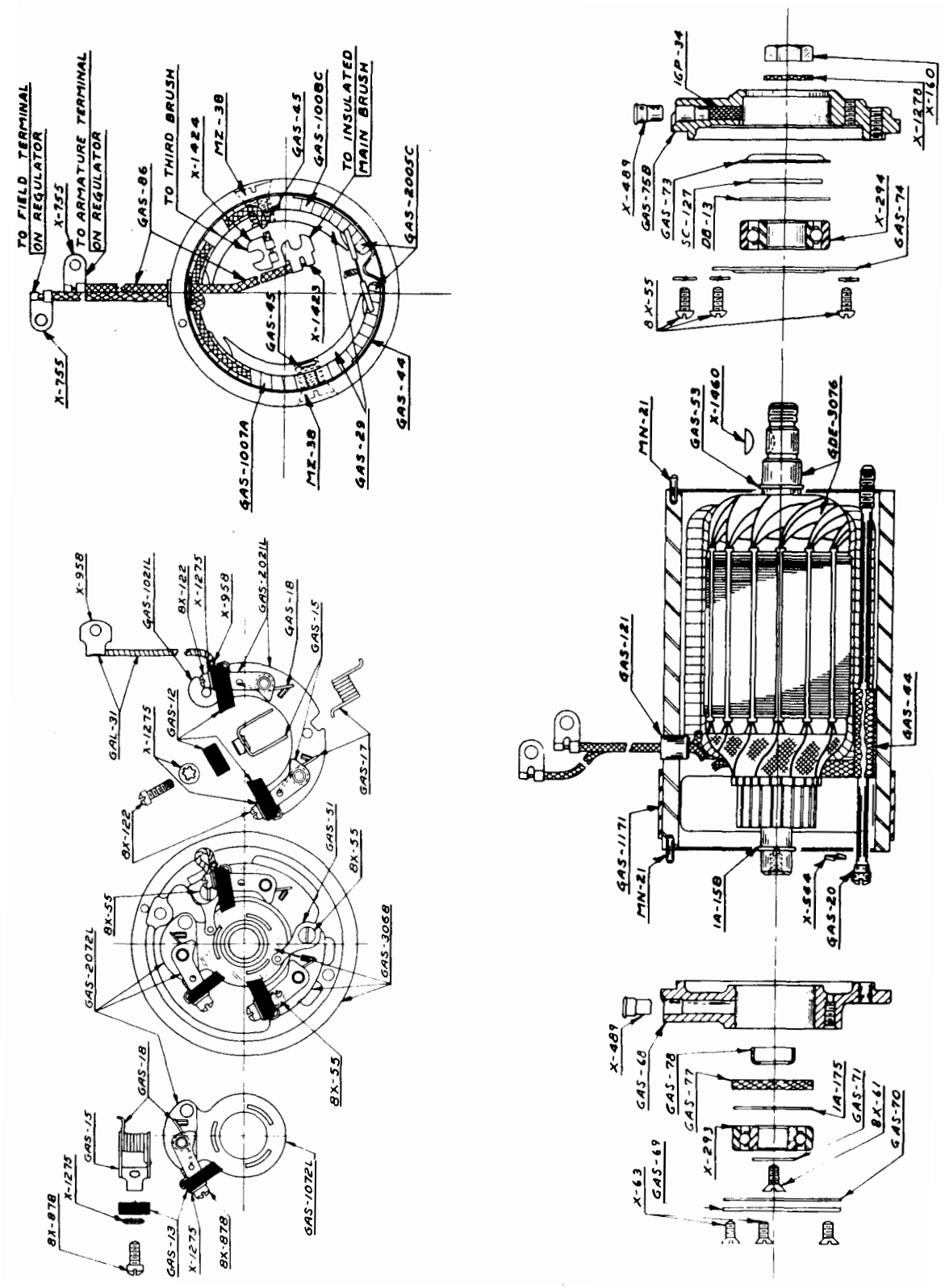
UNIT	APPLICATION
GDE-4103	Indian Motocycle

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GDE-4103 GENERATOR ILLUSTRATION



Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-20A	2	Frame Screw
(GAS-3198)	1	Frame & Field Assembly
GAS-29	2	Pole Piece
GAS-44	1	Field Connection
GAS-45	4	Field Coil Holder
GAS-86	1	C. B. Lead Assembly
X-1423	1	Terminal
GAS-121	1	Insulating Bushing
GAS-2005C	1	FIELD COIL ASSY.- COMP.
GAS-1007A	1	Field Coil Assy.- Left
X-1424	1	Terminal
GAS-1008C	1	Field Coil - Right
MN-21	2	Dowel Pin
MZ-38A	2	Pole Piece Screw
X-755	2	Terminal
X-544	2	#10 Lock Washer

Comm. End Plate Assy. & Parts Used With

GAS-52A	1	Grease Hole Cover
(GAS-3197)	1	Comm. End Plate Assembly
GAS-51	2	3rd Brush Plate Retaining Spring
GAS-1197	1	C. E. Plate Part Assy.
GAS-49	1	ABSORBENT BRONZE BRG.
GAS-2014L	1	3rd Brush Holder Plate Assembly
GAS-13‡	1	Brush - Third
GAS-15	1	Brush Holder
GAS-18	1	Brush Spring
GAS-1014L	1	3rd Br. Holder Plate Part Assembly
8X-878	1	#8-32x7/16 Fill. Hd.Sc.
X-1275	1	#8 Skpf. Washer
GAS-2021L	1	Brush Holder Plate Assy.
GAL-31	1	Ground Connector Assy.
X-958	2	Side Terminal
GAS-12‡	2	Brush - Main
GAS-15	2	Brush Holder
GAS-17	1	Brush Spring
GAS-18	1	Brush Spring
GAS-1021L	1	Br. Holder Plate Part Assembly
8X-122	2	#8-32x1/8 Fill.Hd.Sc.
X-1275	2	#8 Skpf. Washer
8X-55	3	#8-32x3/8 Rd. Hd. Screw
X-195	1	#8 Lock Washer
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GDE-3114	1	ARMATURE ASSEMBLY
GAS-53	1	Snap Ring
8X-160	1	7/16-20 Hex. Nut
X-1278	1	7/16 Skpf. Washer
X-1460	1	#212 Woodruff Key

Drive End Head Assy. & Parts Used With

GAS-1075D	1	Drive End Head Assembly
DB-13	1	Flat Felt Guard
GAS-73	1	Cupped Felt Guard
GAS-74	1	Bearing Retainer
GAS-75B	1	Drive End Head
IGP-34	1	Felt Wick
SC-127	1	Felt Washer
8X-55	3	#8-32x5/8 Rd. Hd. Sc.
X-195	3	#8 Lock Washer
X-294	1	BALL BRG. - S.A.E. #202
X-489	1	1/4 Oiler - Press in Type

Distributor Mtg. Housing & Parts Used With

GAG-58A	1	Dist. Mounting Hsg. Clamp
GAL-98B	1	Distributor Mounting Housing
GW-19A	1	Bearing Cover
IG-86	1	Distributor Drive Rivet
IG-591	1	Dist. Gear - Driver
8X-53	1	#8-32x5/8 Rd. Hd. Screw
8X-141	1	#8-32 Hex. Nut
8X-505	1	1/8 Pipe Plug
X-544	3	#10 Lock Washer
8X-900	3	#10-32x7/8 Fill. Hd. Sc.

Miscellaneous Parts

GAS-1172	1	Head Band Assembly
TC-4305A	1	TWO CHARGE REGULATOR
8X-118	1	#10-32x3/4 Fill. Hd. Screw
X-196	4	#10 Lock Washer
8X-321	4	#10-32x5/16 Rd. Hd. Screw
		1 2 3 4 5

(Issued 12-28-39)

‡ Service BRUSH SET GAS-2012.

UNIT	APPLICATION
GDE-4104	Indian Motocycle

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GDE-4104 GENERATOR ILLUSTRATION

Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-20A	2	Frame Screw
(GAS-3203)	1	Frame & Field Assembly
GAS-29	2	Pole Piece
GAS-40	2	Insulating Washer- Special
GAS-41	2	Insulating Bushing
GAS-44	1	Field Connection Ins.
GAS-45	4	Field Coil Holder
GAS-47	1	Terminal Lead Assembly
GBF-36	1	Terminal Post
X-1423	1	Terminal
GAS-2005G	1	FIELD COIL ASSY.- COMP.
GAS-1007A	1	Field Coil Assy.-Left
X-1424	1	Terminal
GAS-1008F	1	Field Coil - Right
GBF-36	1	Terminal Post
GBF-55	2	Insulating Washer
MN-21	2	Dowel Pin
MZ-38A	2	Pole Piece Screw
X-1274	4	#10 Skpf. Washer
8X-1377	2	#10-32 Hex. Nut
12X-196	2	#10 Lock Washer
X-544	2	#10 Lock Washer
8X-1377	2	#10-32 Hex. Nut

Comm. End Plate Assy. & Parts Used With

GAS-69A	1	Comm. End Cap Cover
GAS-70	1	End Cap Cover Gasket
GAS-71	1	Bearing Retaining Washer
GAS-77	1	Felt Washer
GAS-78	1	Felt Washer Retainer
(GAS-3191)	1	Comm. End Plate Assembly
GAS-51	2	3rd Brush Plate Retaining Spring
GAS-191	1	Comm. End Plate
GAS-2021L	1	Brush Holder Plate Assy.
GAL-31	1	Ground Connector Assy.
X-958	2	Terminal
GAS-12‡	2	Brush - Main
GAS-15	2	Brush Holder
GAS-17	1	Brush Spring
GAS-18	1	Brush Spring
GAS-1021L	1	Br. Holder Plate Part Assembly
8X-122	2	#8-32x1/2 Fill.Hd.Sc.
X-1275	2	#8 Skpf. Washer
GAS-2072LA	1	3rd Brush Holder Plate Assembly
GAS-13‡	1	Brush - Third
GAS-15	1	Brush Holder
GAS-18	1	Brush Spring
GAS-1072LA	1	3rd Brush Holder Plate Part Assembly
8X-878	1	#8-32x7/16 Fill.Hd.Sc.
X-1275	1	#8 Skpf. Washer
8X-55	3	#8-32x3/8 Rd. Hd. Screw
X-195	1	#8 Lock Washer
X-489	1	1/4 Oiler - Press in Type
IA-175	1	Flat Steel Washer
8X-61	1	#10-32x7/16 Flat Hd. Screw
8X-63	3	#8-32x3/8 Flat Hd. Screw
X-293	1	BALL BEARING - S.A.E. #201
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GDE-3076	1	ARMATURE ASSEMBLY
GAS-53	1	Snap Ring
IA-158	1	Snap Ring
8X-160	1	7/16-20 Hex. Nut
X-1278	1	7/16 Skpf. Washer
X-1460	1	#212 Woodruff Key

Drive End Head Assy. & Parts Used With

GAS-1193	1	Drive End Head Assembly
DB-13	1	Flat Felt Guard
GAS-73	1	Cupped Felt Guard
GAS-74	1	Bearing Retainer
GAS-193	1	Drive End Head
IGP-34	1	Felt Wick
SC-127	1	Felt Washer
8X-55	3	#8-32x3/8 Rd. Hd. Sc.
X-195	3	#8 Lock Washer
X-294	1	BALL BRG. - S.A.E. #202
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

GAS-204	2	Lead Assembly
X-755	4	Terminal
GAS-1201	1	Head Band Assembly
TC-4305A	1	TWO CHARGE REGULATOR
X-118	1	#10-32x3/4 Fill. Hd. Screw
X-196	4	#10 Lock Washer
8X-309	1	#10-32x1/2 Rd. Hd. Screw
8X-321	3	#10-32x5/16 Rd. Hd. Screw
		1 2 3 4 5

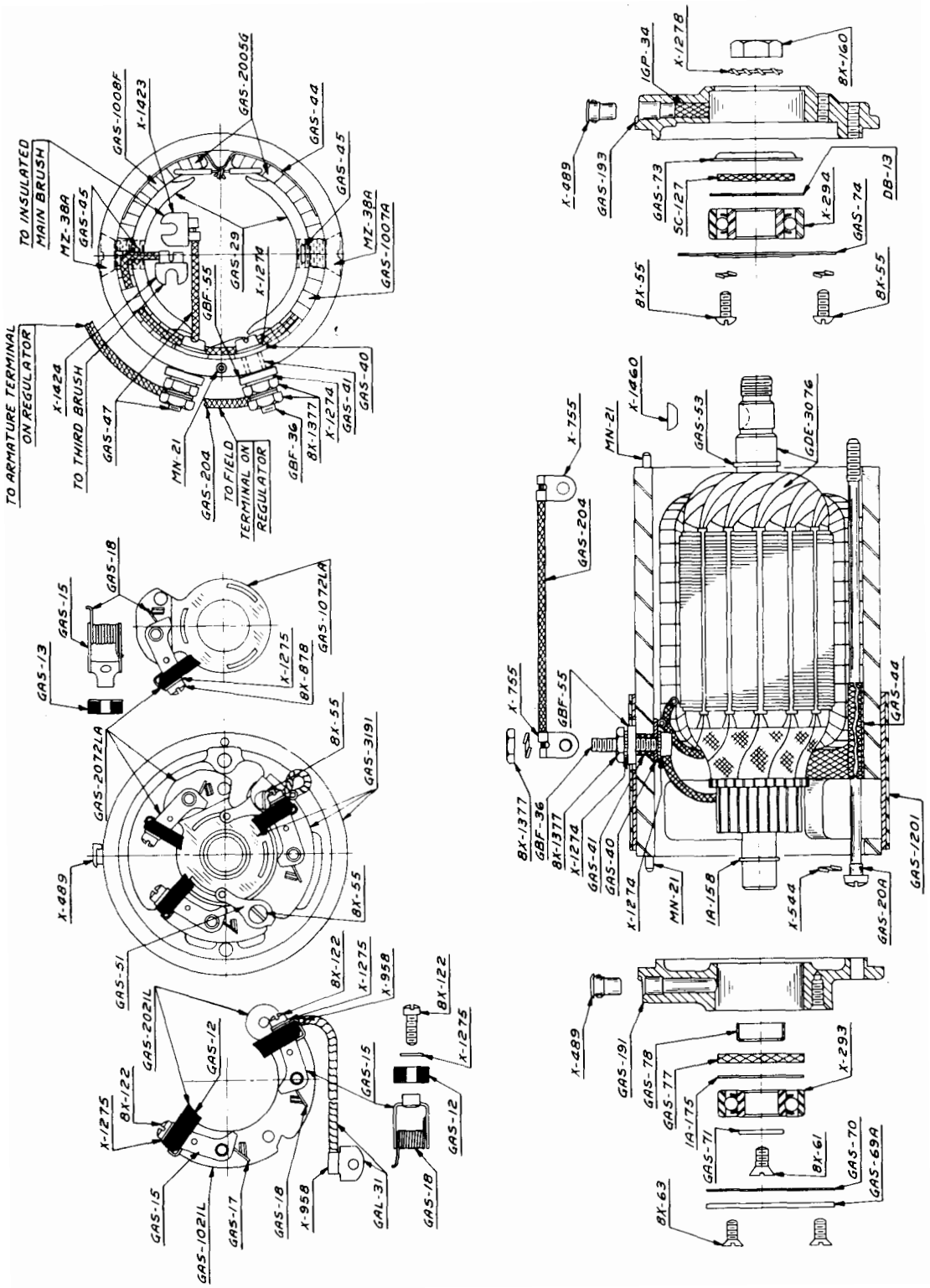
(Issued 12-28-39)

‡ Service BRUSH SET GAS-2012.

UNIT	APPLICATION
GDE-4105	Indian Motocycle

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GDE-4105 GENERATOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

PRELIMINARY

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-20A	2	Frame Screw
(GAS-3203)	1	Frame & Field Assy.
GAS-29	2	Pole Piece
GAS-40	2	Ins. Washer-Special
GAS-41	2	Ins. Bushing
GAS-44	1	Field Connection Ins.
GAS-45	4	Field Coil Holder
GAS-47	1	Terminal Lead Assy.
GBF-36	1	Terminal Post
X-1423	1	Terminal
GAS-2005G	1	FIELD COIL ASSY.-Comp.
GAS-1007A	1	Field Coil Assy.-Left
X-1424	1	Terminal
GAS-1008F	1	Field Coil - Right
GBF-36	1	Terminal Post
GBF-55	2	Ins. Washer
MN-21	2	Dowel Pin
MZ-38	2	Pole Piece Screw
X-1274	4	#10 Skpf. Washer
8X-1377	2	#10-32 Hex. Nut
12X-196	2	#10 Lock Washer
X-544	2	#10 Lock Washer
8X-1377	2	#10-32 Hex. Nut

Comm. End Head Assembly & Parts Used With

GAS-69A	1	Comm. End Cap Cover
GAS-70	1	End Cap Cover Gasket
GAS-71	1	Bearing Retaining Washer
GAS-77	1	Felt Washer
GAS-78	1	Felt Washer Retainer
(GAS-3191)	1	Comm. End Head Assy.
GAS-51	2	3rd Brush Plate Ret'g Spring
GAS-191	1	Comm. End Plate
GAS-2021L	1	Brush Holder Plate Assy.
GAL-31	1	Ground Connector Assembly
X-958	2	Terminal
GAS-15	2	Brush Holder
GAS-17	1	Brush Spring
GAS-18	1	Brush Spring
GAS-1021L	1	Br. Holder Plate Part Assembly
GEM-12†	2	Brush - Main
8X-122	2	#8-32x1/2 Fill.Hd.Sc.
X-1275	2	#8 Skpf. Washer
GAS-2072LA	1	3rd Br. Holder Plate Assembly
GAS-15	1	Brush Holder
GAS-18	1	Brush Spring
GAS-1072LA	1	3rd Br. Holder Plate Part Assy.
GEM-13†	1	Brush - Third
8X-878	1	#8-32x7/16 Fill. Hd. Screw
X-1275	1	#8 Skpf. Washer
8X-55	3	#8-32x3/8 Rd. Hd. Sc.
X-195	1	#8 Lock Washer
X-489	1	1/4 Oiler-Press in Type
IA-175	1	Flat Steel Washer
8X-61	1	#10-32x7/16 Flat Hd. Screw
8X-63	3	#8-32x3/8 Flat Hd. Screw
X-293	1	BALL BRG. - S.A.E. #201
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GDE-3237	1	ARMATURE ASSEMBLY
GAS-53	1	Snap Ring
IA-158	1	Snap Ring
8X-159	1	3/8-24 Hex. Nut
X-1277	1	3/8 Skpf. Washer
X-1460	1	#212 Woodruff Key

Drive End Head Assembly & Parts Used With

GAS-1193	1	Drive End Head Assy.
DB-13	1	Flat Felt Guard
GAS-73	1	Cupped Felt Guard
GAS-74	1	Bearing Retainer
GAS-193	1	Drive End Head
IGP-34	1	Felt Wick
SC-127	1	Felt Washer
8X-55	3	#8-32x3/8 Rd. Hd. Screw
X-195	3	#8 Lock Washer
X-294	1	BALL BRG. - S.A.E. #202
X-489	1	1/4 Oiler-Press in Type

Miscellaneous Parts

GAS-204	2	Lead Assembly
X-755	2	Terminal
GAS-1201	1	Head Band Assy.
TC-4305A	1	TWO CHARGE REGULATOR
8X-118	1	#10-32x3/4 Fill. Hd. Screw
X-196	4	#10 Lock Washer
8X-309	1	#10-32x1/2 Rd. Hd. Screw
8X-321	3	#10-32x5/16 Rd. Hd. Screw
		1 2 3 4 5

(Issued 11-28-41)

† Service BRUSH SET GEM-2012S.

UNIT	APPLICATION
GDE-4106	Indian Motocycle

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-20A	2	Frame Screw
(GAS-3265)	1	Frame & Field Assy.
GAS-29	2	Pole Piece
GAS-40	2	Ins. Washer-Special
GAS-41	2	Ins. Bushing
GAS-44	1	Field Connection Ins.
GAS-45	4	Field Coil Holder
GAS-267	1	Terminal Post
GAS-268	1	Lead Assembly
GAS-267	1	Terminal Post
X-1423	1	Terminal
GAS-2005G	1	FIELD COIL ASSY.-Comp.
GAS-1007A	1	Field Coil Assy.-Left
X-1424	1	Terminal
GAS-1008F	1	Field Coil - Right
GBF-55	2	Ins. Washer
MN-21	2	Dowel Pin
MZ-38	2	Pole Piece Screw
8X-1274	4	#10 Skpf. Washer
8X-1377	2	#10-32 Hex. Nut
12X-196	2	#10 Lock Washer
8X-1377	2	#10-32 Hex. Nut

Comm. End Head Assembly & Parts Used With

GAS-52A	1	Grease Hole Cover
(GAS-3261)	1	Comm. End Head Assy.
GAS-51	2	3rd Br. Plate Retaining Spring
GAS-1261	1	C.E. Head Part Assy.
GAS-49	1	ABSORBENT BRONZE BRG.
GAS-2014L	1	3rd Br. Holder Plate Assembly
GAS-15	1	Brush Holder
GAS-18	1	Brush Spring
GAS-1014L	1	3rd Br. Holder Plate Part Assy.
GEM-13†	1	Brush - Third
8X-878	1	#8-32x7/16 Fill. Hd. Screw
X-1275	1	#8 Skpf. Washer
GAS-2021L	1	Brush Holder Plate Assy.
GAL-31	1	Ground Connector Assembly
X-958	2	Terminal
GAS-15	2	Brush Holder
GAS-17	1	Brush Spring
GAS-18	1	Brush Spring
GAS-1021L	1	Brush Holder Plate Part Assy.
GEM-12†	2	Brush - Main
8X-122	2	#8-32x1/2 Fill.Hd.Sc.
X-1275	2	#8 Skpf. Washer
8X-55	3	#8-32x3/8 Rd. Hd. Screw
X-195	1	#8 Lock Washer
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GDE-3262	1	ARMATURE ASSEMBLY
GAS-53	1	Snap Ring
8X-159	1	3/8-24 Hex. Nut
X-1277	1	3/8 Skpf. Washer
X-1460	1	#212 Woodruff Key

Drive End Head Assembly & Parts Used With

GAS-1266	1	Drive End Head Assy.
DB-13	1	Flat Felt Guard
GAS-73	1	Cupped Felt Guard
GAS-74	1	Bearing Retainer
GAS-266	1	Drive End Head
IGP-34	1	Felt Wick
SC-127	1	Felt Washer
8X-55	3	#8-32x3/8 Rd. Hd. Screw
X-195	3	#8 Lock Washer
X-294	1	BALL BRG. - S.A.E. #202
X-489	1	1/4 Oiler-Press in Type

Dist. Mounting Housing & Parts Used With

GDE-44	1	Dist. Mounting Housing
GE-67	1	Dist. Gear - Driver
GW-19A	1	Bearing Cover
IG-86	1	Hinge Pin
8X-318	1	#10-32x5/8 Rd. Hd. Screw
8X-505	1	1/8 Pipe Plug
X-544	4	#10 Lock Washer
8X-900	3	#10-32x7/8 Fill. Hd. Screw

Miscellaneous Parts

GAS-204	2	Lead Assembly
X-755	2	Terminal
GAS-1264	1	Head Band Assembly
TC-4328A	1	TWO CHARGE REGULATOR
8X-118	1	#10-32x3/4 Fill. Hd. Screw
X-196	4	#10 Lock Washer
8X-309	1	#10-32x1/2 Rd. Hd. Screw
8X-321	3	#10-32x5/16 Rd. Hd. Screw
		1 2 3 4 5

(Issued 11-28-41)

† Service BRUSH SET GEM-2012S.

UNIT	APPLICATION
GDE-4107	Indian Motocycle

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GCZ-2001)	1	Frame & Field Assy.
GAA-32	1	Terminal Post Top Ins.
GAL-29	2	Pole Piece
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-40	1	Lead Assy.
GAA-27	1	Terminal Post
X-847	1	Terminal
GBW-58	1	Terminal Post
GBW-66	1	Terminal Post Bottom Ins.
GBW-67	1	Terminal Post Bottom Ins.
GCJ-1005	1	Field Coil Assy. - Comp.
GCJ-1007	1	Field Coil Assy.-Left
X-976	1	Terminal
GCJ-1008	1	Field Coil - Right
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
GK-38B	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
GK-20A	2	Frame Screw
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	2	#10 Lock Washer
12X-199	2	1/4 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assy. & Parts Used With

(GDF-2002)	1	Comm. End Plate Assy.
GAR-73	1	Oil Wick
GAR-98A	1	Wick Cover
GBW-69	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GBW-1068	1	Comm. End Cap Cover
GCJ-51	1	3rd Brush Plate Rtg. Spr.
GCJ-1002A	1	Comm. End Plate Part Assy.
GBF-79	1	Absorbent Bronze Brg.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
GCJ-1014	1	3rd Brush Plate Assy.
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
GDF-1012‡	2	Brush - Main
GDF-1013‡	1	Brush - Third
12X-195	5	#8 Lock Washer
8X-311	1	#10-32x3/8 Rd. Hd. Screw
8X-888	4	#8-32x5/16 Fill. Hd. Screw
8X-1507	1	#8-32x1/4 Bdg. Hd. Screw
X-195	2	#8 Lock Washer
8X-1507	2	#8-32x1/4 Bdg. Hd. Screw
		1 2 3 4 5

Armature Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GDF-2006F	1	Armature Assy.
GAR-171	1	Snap Ring
GR-32	1	Felt Washer Retainer
*	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assy. & Parts Used With

GBJ-1065	1	Drive End Head Assy.
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GBJ-65	1	Drive End Head
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Screw

Miscellaneous Parts

GBW-24B	1	Head Band
8X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 7-30-40)

Assy. No.	Drive Pulley
GDF-4801	None
GDF-4801A	SP-1299
GDF-4801B	SP-1310
GDF-4801C	SP-1311
GDF-4801D	SP-325

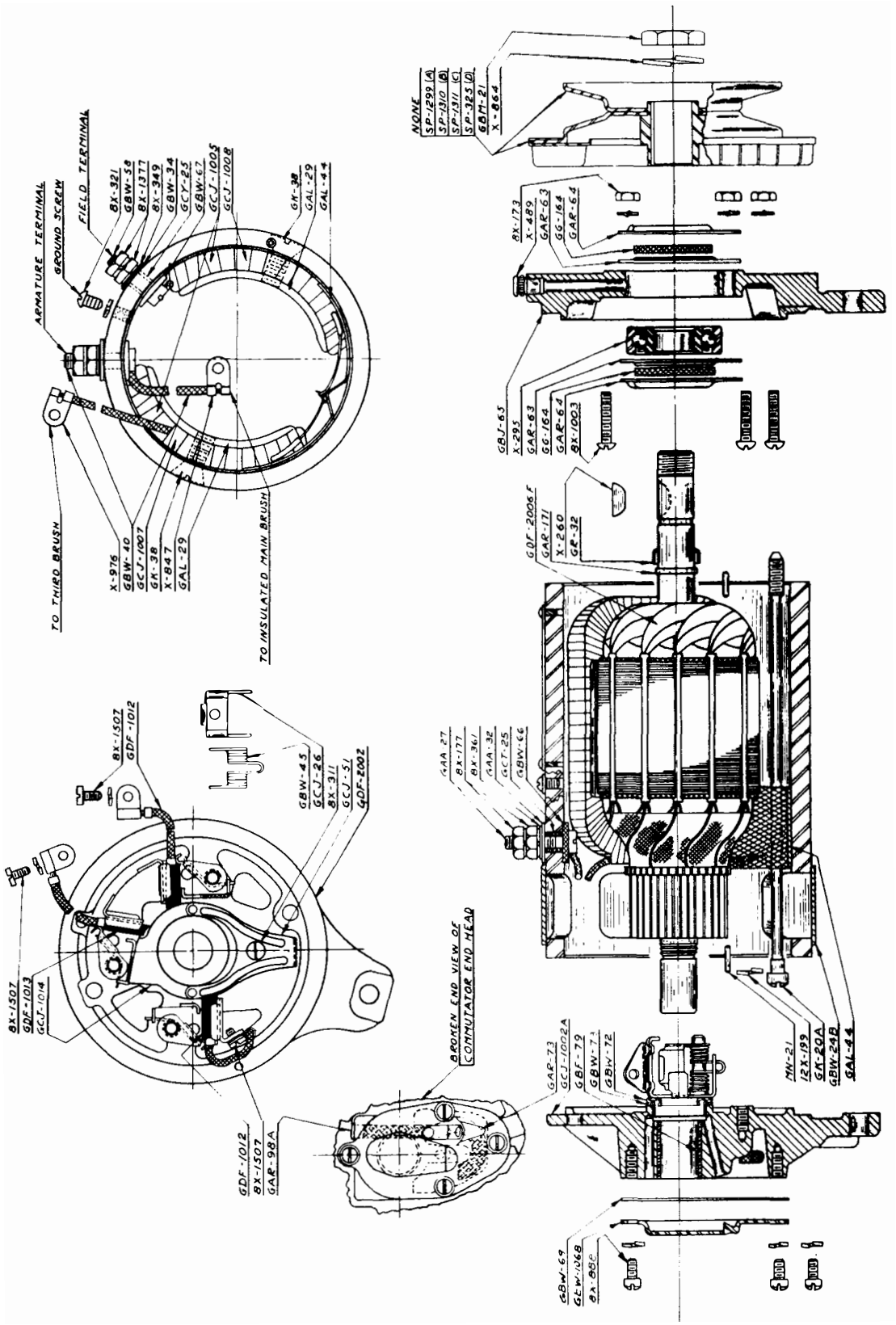
NOTE:- VRR-4003A VOLTAGE REGULATOR is used with but is not a part of this generator.

* See table following parts list for part number applying to assembly wanted.

‡ Service Brush Set GDF-2012S.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GDF-4801,A,B,C,D GENERATOR ILLUSTRATION



Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GCZ-2001A)	1	Frame & Field Assy.
GAA-32	1	Terminal Post Top Ins.
GAL-29	2	Pole Piece
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-40	1	Lead Assembly
GAA-27	1	Terminal Post
X-847	1	Terminal
GBW-58	1	Terminal Post
GBW-66	1	Term. Post Bottom Ins.
GBW-67	1	Term. Post Bottom Ins.
GCJ-1005	1	FIELD COIL ASSY.- COMP.
GCJ-1007	1	Field Coil Assy.-Left
X-976	1	Terminal
GCJ-1008	1	Field Coil - Right
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
GK-20	2	Frame Screw
X-196	1	#10 Lock Washer
X-199	2	1/4 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
X-966	1	Terminal

Comm. End Plate Assy. & Parts Used With

(GDF-2002A)	1	Comm. End Plate Assy.
GAR-73	1	Oil Wick
GAR-98A	1	Wick Cover
GBW-30B	1	Comm. End Cap Cover
GBW-31	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GCJ-51	1	3rd Brush Plate Retaining Spring
GCJ-1002C	1	C.E. Plate Part Assy.
GBF-79	1	ABSORBENT BRONZE BRG.
GCJ-26	2	Brush Arm
GBW-45	2	Brush Spring
GCJ-1014	1	3rd Brush Plate Assy.
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
GDF-1012*	2	Brush - Main
GDF-1013*	1	Brush - Third
X-195	5	#8 Lock Washer
8X-311	1	#10-32x3/8 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
8X-888	4	#8-32x5/16 Fill. Hd. Sc.
8X-1507	1	#8-32x1/4 Bdg. Hd. Screw
X-195	2	#8 Lock Washer
8X-1507	2	#8-32x1/4 Bdg. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GDF-2006	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GR-32	1	Felt Washer Retainer
SP-1323	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assy. & Parts Used With

GBJ-1065	1	Drive End Head Assy.
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GBJ-65	1	D.E. Head
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	BALL BRG.- S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Sc.

Miscellaneous Parts

GBW-24	1	Head Band
X-714	1	#10-32x1 1/2 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 5-23-39)

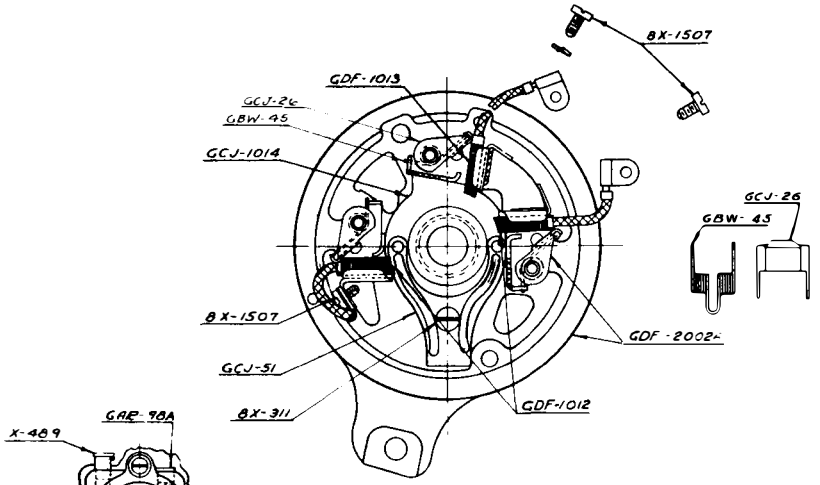
NOTE:- VRD-4008A VOLTAGE REGULATOR is used with but is not a part of this generator.

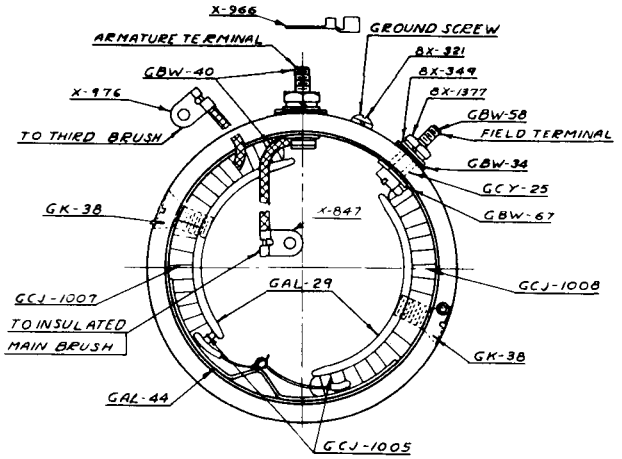
* Service BRUSH SET GDF-2012S.

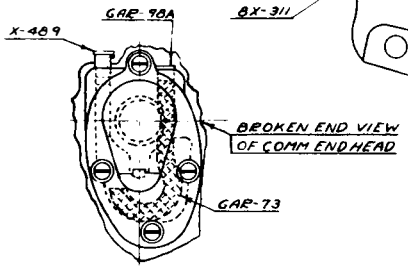
UNIT	APPLICATION
GDF-4802A	Hudson, Terraplane

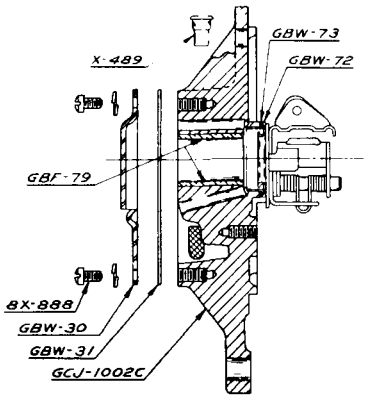
"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking su -parts the complete part can be assembled as needed."

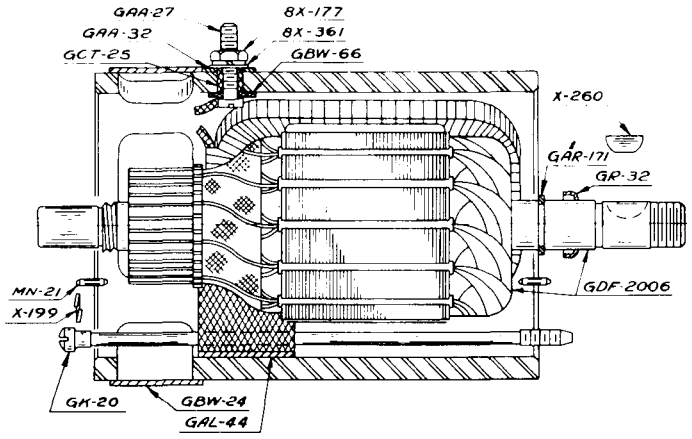
GDF-4802A GENERATOR ILLUSTRATION

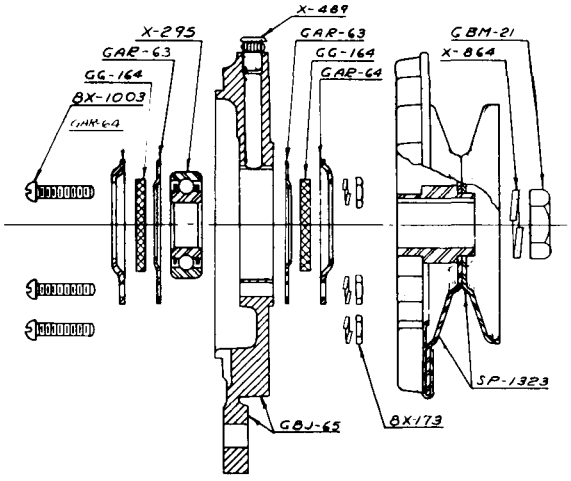












Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCJ-33	1	Grounding Cup
(GCJ-2001B)	1	Frame & Field Assy.
CAA-32	1	Terminal Post Top Ins.
GAL-29	2	Pole Piece
GAL-44	1	Field Connection Ins.
CBW-34	1	Insulating Washer
GBW-40	1	Lead Assy.
GAA-27	1	Terminal Post
X-847	1	Terminal
GBW-58	1	Terminal Post
GBW-66	1	Terminal Post Bottom Ins.
GBW-67	1	Terminal Post Ins.
GCJ-1005	1	Field Coil Assy. - Comp.
GCJ-1007	1	Field Coil Assy.-Left
X-976	1	Terminal
GCJ-1008	1	Field Coil - Right
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
GK-20	2	Frame Screw
X-196	2	#10 Lock Washer
X-199	2	1/4 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
X-966	1	Terminal
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

(GCJ-2002A)	1	Comm. End Plate Assy.
GAR-73	1	Oil Wick
GAR-98	1	Wick Cover
GBW-30A	1	Comm. End Cap Cover
GBW-31	1	Gasket
GBW-32	1	Oil Guard
GCJ-51	1	3rd Brush Plate Retaining Spring
GCJ-1002C	1	Comm. End Plate Part Assy.
GBF-79	1	Absorbent Bronze Brg.
CBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
GCJ-1012‡	2	Brush - Main
GCJ-1013‡	1	Brush - Third
GCJ-1014	1	3rd Brush Plate Assy.
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
X-195	5	#8 Lock Washer
8X-311	1	#10-32x3/8 Rd. Hd. Sc.
X-489	1	1/4 Oiler - Press in Type
8X-888	4	#8-32x5/16 Fill. Hd. Sc.
8X-1507	1	#8-32x1/4 Bdg. Hd. Sc.
X-195	2	#8 Lock Washer
8X-1507	2	#8-32x1/4 Bdg. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GDF-2006	1	Armature Assembly
GAR-171	1	Snap Ring
GR-32	1	Felt Washer Retainer
SP-1323	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GBJ-1065A	1	Drive End Head Assy.
GAR-63	2	Felt Guard
GAR-64	2	Brg. Retainer
GBJ-65A	1	Drive End Head
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	Ball Brg. S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Screw

Miscellaneous Parts

GBW-24	1	Head Band
8X-714	1	#10-32x1 1/2 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

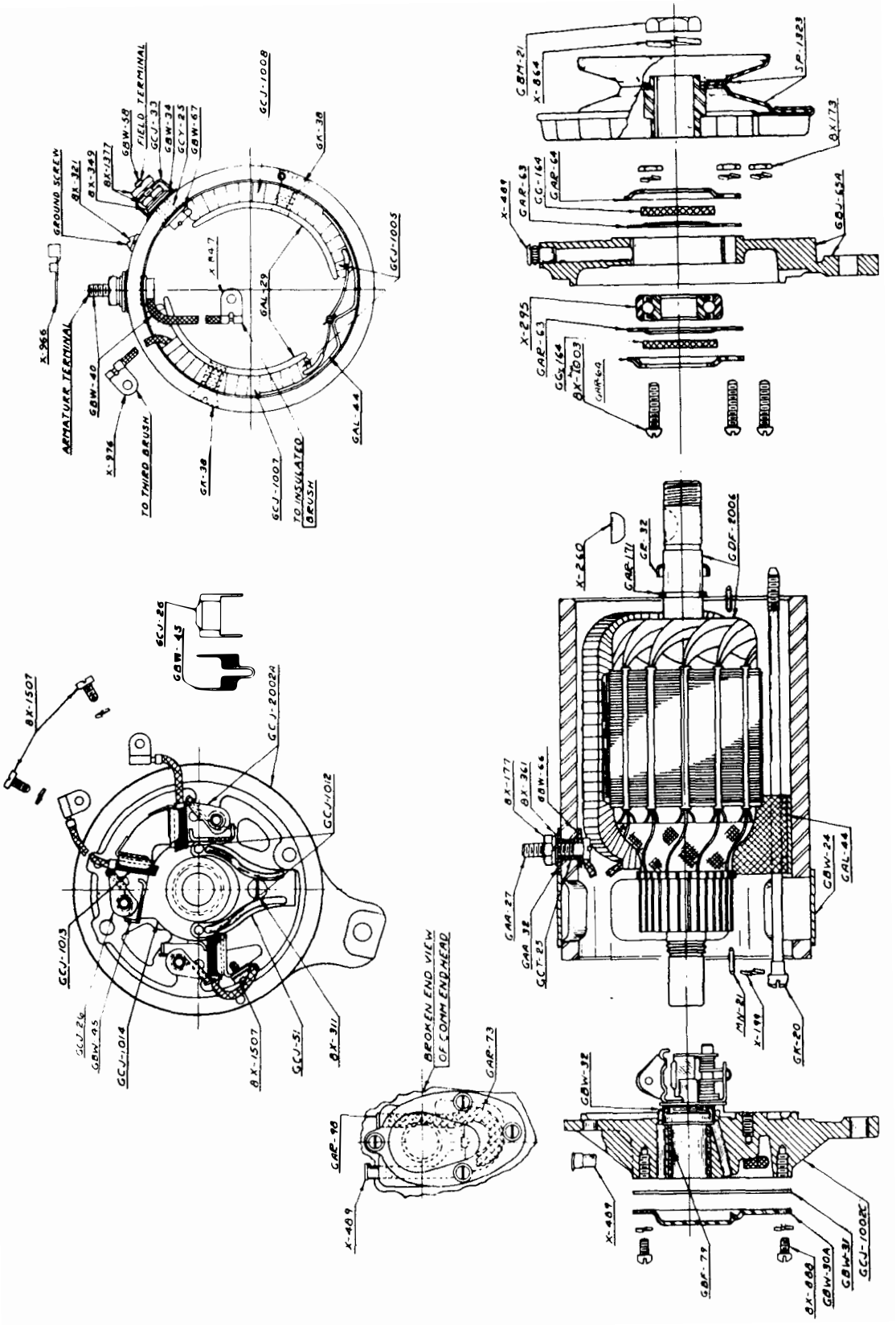
(Issued 10-18-37)

NOTE:- CBA-4003 Circuit Breaker used with but not part of this generator.

‡ Service Brush Set GCJ-2012S.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GDF-4803A GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GCZ-2001A)	1	Frame & Field Assembly
GAA-32	1	Terminal Post Top Ins.
GAL-29	2	Pole Piece
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-40	1	Lead Assembly
GAA-27	1	Terminal Post
X-847	1	Terminal
GBW-58	1	Terminal Post
GBW-66	1	Terminal Post Bottom Ins.
GBW-67	1	Terminal Post Bottom Ins.
GCJ-1005	1	FIELD COIL ASSY. - Comp.
GCJ-1007	1	Field Coil Assy.-Left
X-976	1	Terminal
GCJ-1008	1	Field Coil - Right
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
GK-20	2	Frame Screw
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	2	#10 Lock Washer
X-199	2	1/4 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
5X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

(GDF-2002B)	1	Comm. End Plate Assembly
GAR-73	1	Oil Wick
GAR-98A	1	Wick Cover
GBW-69	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GBW-1068B	1	Comm. End Cap Cover
GCJ-51	1	3rd Brush Plate Retaining Spring
GCJ-1002E	1	Comm. End Plate Part Assy.
GBF-79	1	ABSORBENT BRONZE BRG.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
GCJ-1014	1	3rd Brush Plate Assembly
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
GDF-1012‡	2	Brush - Main
GDF-1013‡	1	Brush - Third
X-195	5	#8 Lock Washer
8X-311	1	#10-32x3/8 Rd. Hd. Screw
8X-888	4	#8-32x5/16 Fill. Hd. Sc.
8X-1507	1	#8-32x1/4 Bdg. Hd. Screw
X-195	2	#8 Lock Washer
8X-1507	2	#8-32x1/4 Bdg. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GDF-2006	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GR-32	1	Felt Washer Retainer
*	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GBJ-1065A	1	Drive End Head Assembly
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GBJ-65A	1	Drive End Head
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	BALL BRG. - S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Screw

Miscellaneous Parts

GBW-24	1	Head Band
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 5-21-40)

Assembly No.	Drive Pulley	Regulator
GDF-4804A	SP-324	VRD-4009A
GDF-4804B	SP-1334	VRD-4006B

‡ Service BRUSH SET GDF-2012S.

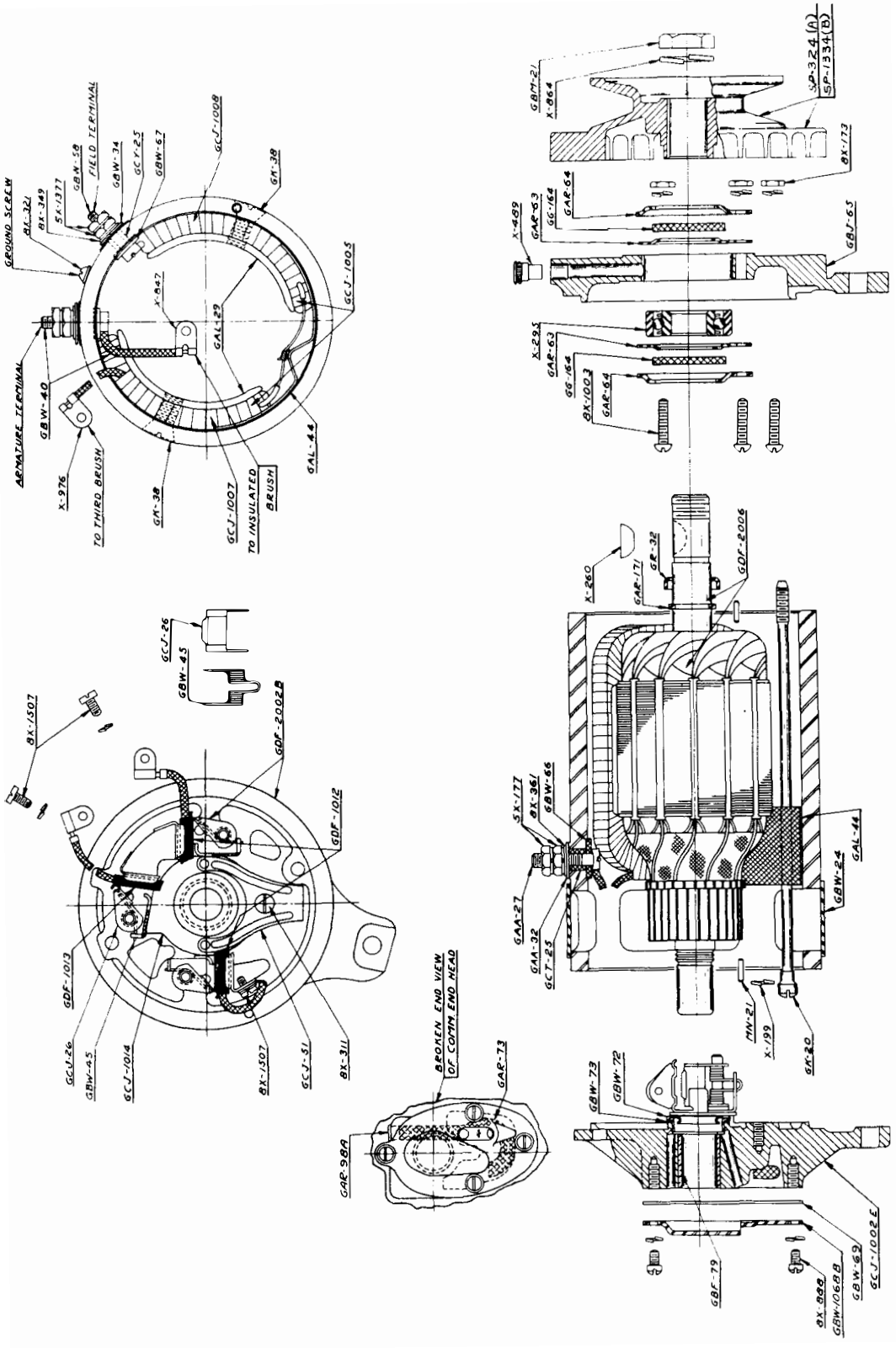
* See table following parts list for part number applying to assembly wanted.

NOTE:-. * Voltage Regulator is used with but is not part of this generator.

UNIT	APPLICATION
GDF-4804A	Hupmobile
GDF-4804B	Studebaker

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GDF-4804A,B GENERATOR ILLUSTRATION



Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GDF-3001)	1	Frame & Field Assembly
GAL-29	2	Pole Piece
GAL-44	1	Field Connection Ins.
GAR-211	1	Insulating Bushing
GCJ-2005C	1	FIELD COIL ASSY.- COMP.
GCJ-2007B	1	Field Coil Assy.-Left
GAL-296	1	C. B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-959	1	Terminal
GCJ-2008B	1	Field Coil Assy.-Right
X-976	1	Terminal
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-140	1	#6-32 Hex. Nut
X-194	1	#6 Lock Washer
8X-1008	1	#6-32x9/16 Rd. Hd. Screw
GK-20	2	Frame Screw
X-199	2	1/4 Lock Washer

Comm. End Plate Assy. & Parts Used With

(GDF-3089)	1	Comm. End Plate Assembly
GAR-73	1	Oil Wick
GAR-98	1	Wick Cover
GBJ-1013A‡	1	Brush - Third
GBW-69	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GBW-1068B	1	Comm. End Cap Cover
GCJ-51	1	3rd Brush Plate Retaining Spring
GCJ-1089A	1	C. E. Plate Part Assy.
GBF-79	1	ABSORBENT BRONZE BRG.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
GDB-1014L	1	3rd Brush Plate Assy.
GDF-1012‡	2	Brush - Main
X-195	5	#8 Lock Washer
8X-311	1	#10-32x3/8 Rd. Hd. Screw
8X-888	4	#8-32x5/16 Fill. Hd. Sc.
8X-1507	1	#8-32x1/4 Bdg. Hd. Screw
X-195	2	#8 Lock Washer
8X-1507	2	#8-32x1/4 Bdg. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAL-310	1	Armature Shaft Spacer
GDF-2091	1	ARMATURE ASSEMBLY
GK-174	1	1/2 Plain Washer
X-156	1	1/2-20 Castellated Nut
X-263	1	#8 Woodruff Key
X-404	1	3/32x1 Cotter Pin

Drive End Head Assy. & Parts Used With

GDF-1003	1	Drive End Head Assy.
DB-17	1	Felt Guard
GAR-95	1	Felt Washer
GBC-25	1	Felt Guard
GDF-3	1	Drive End Head
GW-29	1	Felt Washer
GX-9	1	Bearing Retainer
X-196	3	#10 Lock Washer
X-298	1	BALL BRG.- S.A.E. #204
8X-311	3	#10-32x3/8 Rd. Hd. Sc.
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

CB-4014	1	CIRCUIT BREAKER ASSEMBLY
CB-123	1	Armature Spring
CB-160S	1	C. B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Screw
GBW-1024A	1	Head Band Assembly
X-196	2	#10 Lock Washer
8X-321	2	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

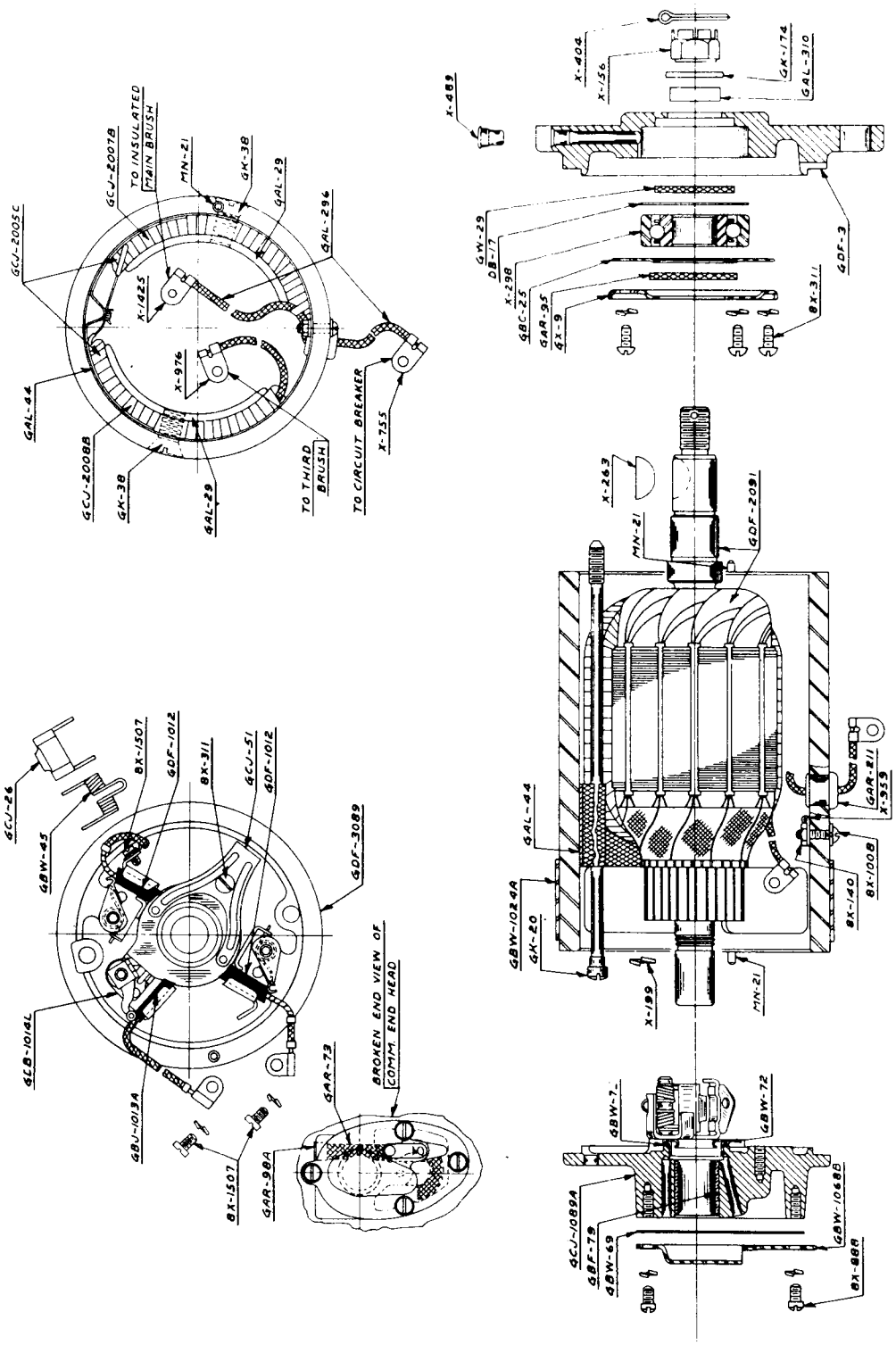
(Issued 8-21-39)

‡ Service BRUSH SET GDF-2012BS.

UNIT	APPLICATION
GDF-4805	Chris-Craft

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GDF-4805 GENERATOR ILLUSTRATION



Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GDF-2025)	1	Frame & Field Assembly
GAL-29	2	Pole Piece
GAL-44	1	Field Connection Ins.
GAR-211	1	Insulating Bushing
GCJ-1005D	1	FIELD COIL ASSY.- COMP.
GCJ-1007B	1	Field Coil Assy.-Right
X-976	1	Terminal
GCJ-1008D	1	Field Coil Assy.-Left
GAL-299	1	C. B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-959	1	Terminal
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-140	1	#6-32 Hex. Nut
X-194	1	#6 Lock Washer
8X-1008	1	#6-32x9/16 Rd. Hd. Screw
GK-20	2	Frame Screw
X-199	2	1/4 Lock Washer

Comm. End Plate Assy. & Parts Used With

(GDF-2056)	1	Comm. End Plate Assembly
GAR-73	1	Oil Wick
GAR-98A	1	Wick Cover
GAR-1014A	1	3rd Br. Hldr. Plate Assy.
GBJ-1013A‡	1	Brush - Third
GBW-69	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GBW-1068A	1	Comm. End Cap Cover
GCJ-51	1	3rd Brush Plate Retaining Spring
GCJ-1056A	1	C.E. Plate Part Assy.
GBF-79	1	ABSORBENT BRONZE BRG.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
GDF-1012‡	2	Brush - Main
X-195	5	#8 Lock Washer
8X-311	1	#10-32x3/8 Rd. Hd. Screw
8X-888	4	#8-32x5/16 Fill. Hd. Sc.
8X-1507	1	#8-32x1/4 Bdg. Hd. Screw
X-195	2	#8 Lock Washer
8X-1507	2	#8-32x1/4 Bdg. Hd. Screw

Armature Assembly & Parts Used With

GAL-310	1	Armature Shaft Spacer
GDF-2091	1	ARMATURE ASSEMBLY
GK-174	1	1/2 Plain Washer
X-156	1	1/2-20 Castellated Nut
X-263	1	#8 Woodruff Key
X-404	1	3/32x1 Cotter Pin
		1 2 3 4 5

Drive End Head Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GDF-1003A	1	Drive End Head Assembly
DB-17	1	Felt Guard
GAR-95	1	Felt Washer
GBC-25	1	Felt Guard
GDF-3A	1	Drive End Head
GW-29	1	Felt Washer
GX-9	1	Bearing Retainer
X-196	3	#10 Lock Washer
X-298	1	BALL BRG. - S.A.E. #204
8X-311	3	#10-32x3/8 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

CB-4014	1	CIRCUIT BREAKER ASSEMBLY
CB-123	1	Armature Spring
CB-160S	1	C. B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Screw
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Screw
GBW-1024A	1	Head Band Assembly
X-196	2	#10 Lock Washer
8X-321	2	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

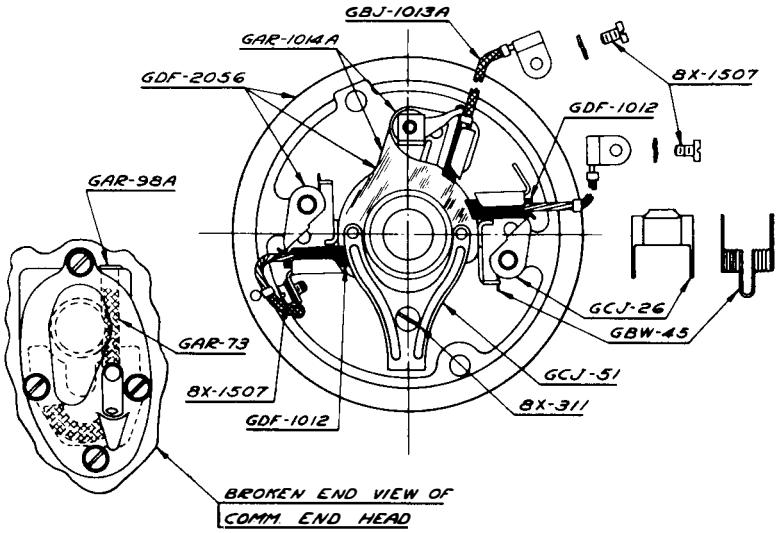
‡ Service BRUSH SET GDF-2012BS.

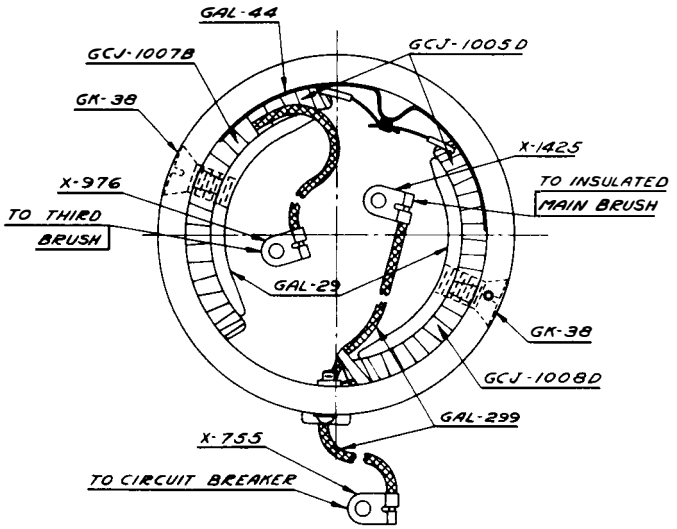
UNIT	APPLICATION
GDF-4806	Chris Craft Corp.

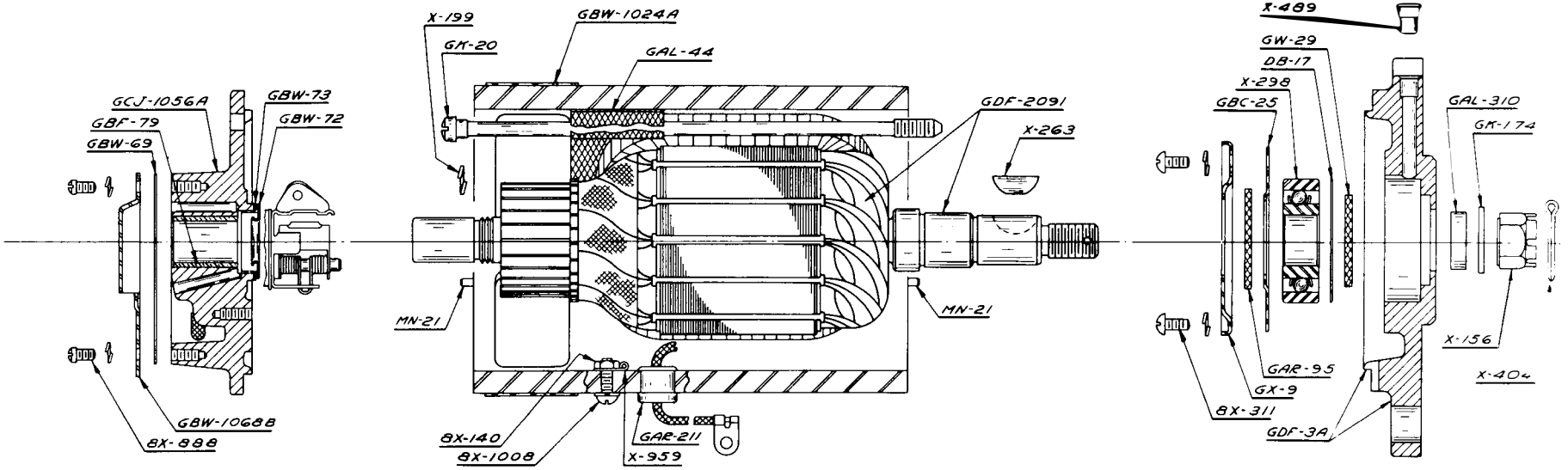
(Issued 12-7-39)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GDF-4806 GENERATOR ILLUSTRATION







Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAL-225	1	Fuse Cover
(GCZ-2027)	1	Frame & Field Assembly
GAL-29	2	Pole Piece
GAL-44	1	Field Connection Ins.
GAL-1224	1	Fuse Holder
GAR-211	1	Insulating Bushing
GCJ-1005C	1	FIELD COIL ASSY.- COMP.
GCJ-1007A	1	Field Coil Assy.-Left
GAL-289	1	C. B. Lead Assembly
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GCJ-1008C	1	Field Coil Assy.-Right
X-976	1	Terminal
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-59	1	#8-32x3/16 Rd. Hd. Screw
X-195	1	#8 Lock Washer
GK-20	2	Frame Screw
X-199	2	1/4 Lock Washer
X-842	1	Fuse - 5 Amp.

Comm. End Plate Assy. & Parts Used With

(GDF-2056)	1	Comm. End Plate Assembly
GAR-73	1	Oil Wick
GAR-98	1	Wick Cover
GAR-1014A	1	3rd Br. Hldr. Plate Assy.
GBJ-1013A‡	1	Brush - Third
GBW-69	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GBW-1068B	1	Comm. End Cap Cover
GCJ-51	1	3rd Brush Plate Retaining Spring
GCJ-1056A	1	C. E. Plate Part Assy.
GBF-79	1	ABSORBENT BRONZE BRG.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
GDF-1012‡	2	Brush - Main
X-195	5	#8 Lock Washer
8X-311	1	#10-32x3/8 Rd. Hd. Screw
8X-888	4	#8-32x5/16 Fill. Hd. Sc.
8X-1507	1	#8-32x1/4 Bdg. Hd. Sc.
X-195	2	#8 Lock Washer
8X-1507	2	#8-32x1/4 Bdg. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GDF-2055	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GJ-104	1	Armature Shaft Spacer
GJ-179	1	7/16 Plain Washer
X-160	1	7/16-20 Hex. Nut
X-205	1	7/16 Lock Washer
X-261	1	#6 Woodruff Key

Drive End Head Assy. & Parts Used With

GAL-1063B	1	Drive End Head Assembly
GAL-63A	1	Drive End Head
GG-6	2	Bearing Retainer
GG-164	1	Felt Washer
GK-176	1	Felt Washer Retainer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	BALL BRG. - S.A.E. #203
8X-316	3	#10-32x3/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

CB-4014	1	CIRCUIT BREAKER ASSEMBLY
CB-123	1	Armature Spring
CB-160S	1	C. B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Screw
GBW-1024A	1	Head Band Assembly
X-196	2	#10 Lock Washer
8X-321	2	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

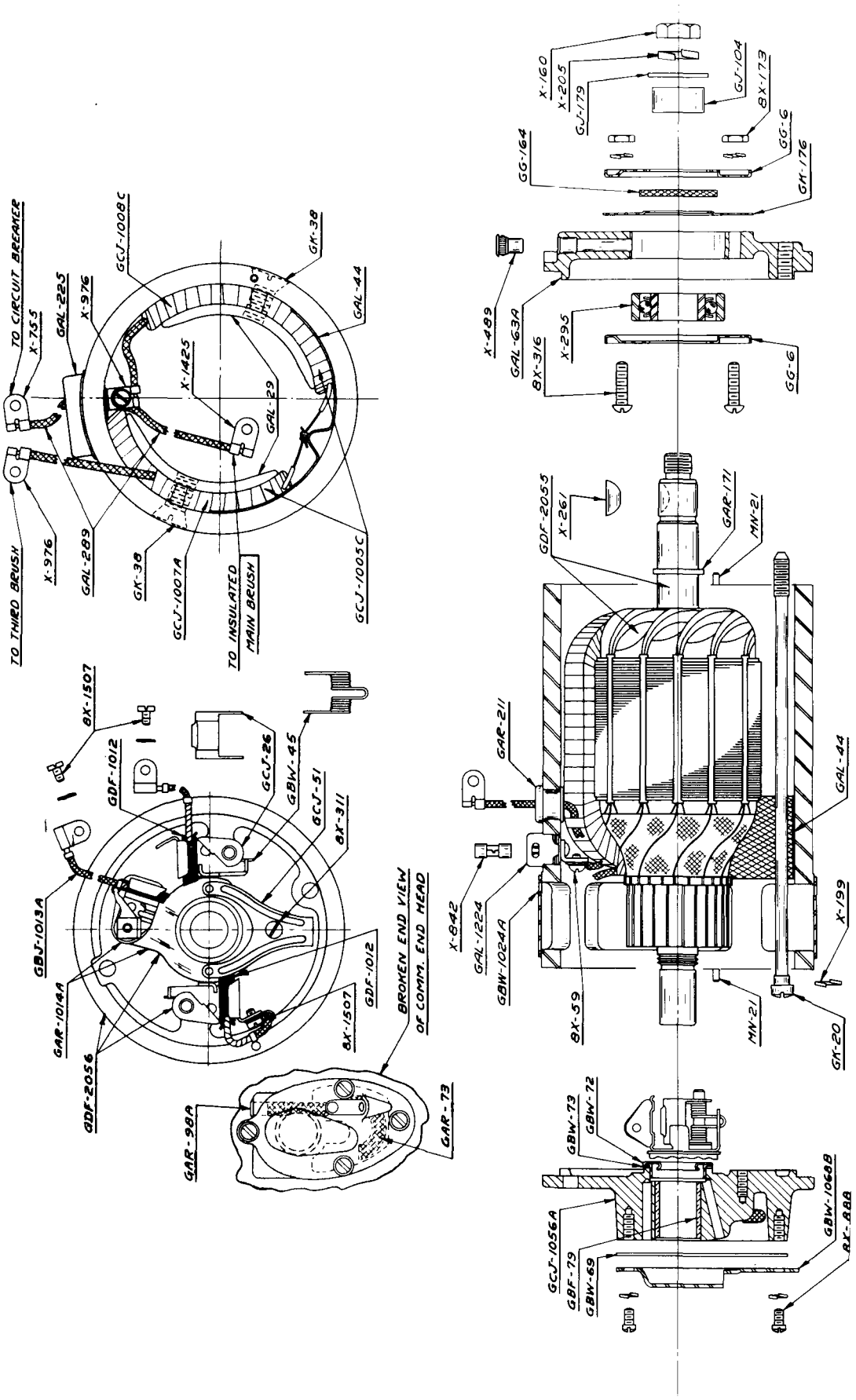
‡ Service BRUSH SET GDF-2012BS.

UNIT	APPLICATION
GDF-4807	Kermath Mfg. Co.

(Issued 12-7-39)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GDF-4807 GENERATOR ILLUSTRATION



Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAL-225	1	Fuse Cover
(GCZ-3071)	1	Frame & Field Assembly
GAL-29	2	Pole Piece
GAL-44	1	Field Connection Ins.
GAL-1224	1	Fuse Holder
GAR-211	1	Insulating Bushing
GCJ-2005A	1	FIELD COIL ASSY.- COMP.
GCJ-2007	1	Field Coil Assy.-Left
X-976	1	Terminal
GCJ-2008A	1	Field Coil Assy.-Right
GAL-289	1	C. B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-59	1	#8-32x3/16 Rd. Hd. Screw
X-195	1	#8 Lock Washer
GK-20	2	Frame Screw
X-199	2	1/4 Lock Washer
X-842	1	Fuse - 5 Amp.

Comm. End Plate Assy. & Parts Used With

(GDF-3089)	1	Comm. End Plate Assembly
GAR-73	1	Oil Wick
GAR-98	1	Wick Cover
GBJ-1013A‡	1	Brush - Third
GBW-69	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GBW-1068B	1	Comm. End Cap Cover
GCJ-51	1	3rd Brush Plate Retaining Spring
GCJ-1089A	1	C. E. Plate Part Assy.
GBF-79	1	ABSORBENT BRONZE BRG.
GBW-45	2	Brush Spring
GCJ-26	1	Brush Arm
GDB-1014L	1	3rd Brush Plate Assy.
GDF-1012‡	2	Brush - Main
X-195	5	#8 Lock Washer
8X-311	1	#10-32x3/8 Rd. Hd. Screw
8X-888	4	#8-32x5/16 Fill. Hd. Sc.
8X-1507	1	#8-32x1/4 Bdg. Hd. Screw
X-195	2	#8 Lock Washer
8X-1507	2	#8-32x1/4 Bdg. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GDF-2055	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GJ-104	1	Armature Shaft Spacer
GJ-179	1	7/16 Plain Washer
X-160	1	7/16-20 Hex. Nut
X-205	1	7/16 Lock Washer
X-261	1	#6 Woodruff Key

Drive End Head Assy. & Parts Used With

GCZ-1003A	1	Drive End Head Assembly
GCZ-3A	1	Drive End Head
GG-6	2	Bearing Retainer
GG-164	1	Felt Washer
GK-176	1	Felt Washer Retainer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	BALL BRG.- S.A.E. #203
8X-316	3	#10-32x3/4 Rd. Hd. Sc.
X-489	1	1/4 Oiler-Press in Type

Miscellaneous Parts

CB-4014	1	CIRCUIT BREAKER ASSEMBLY
CB-123	1	Armature Spring
CB-160S	1	C. B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Screw
GBW-1024A	1	Head Band Assembly
X-196	2	#10 Lock Washer
8X-321	2	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

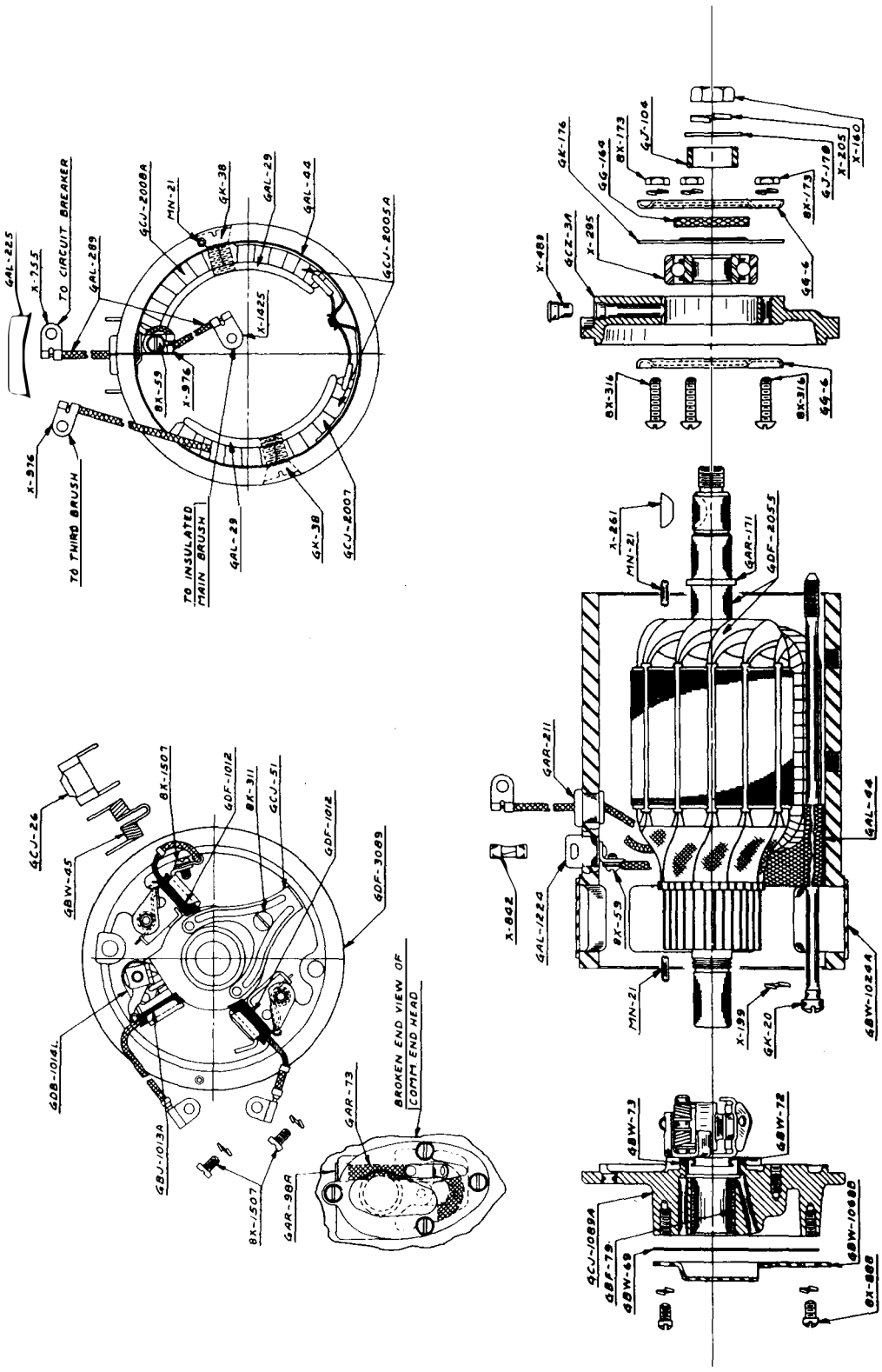
(Issued 8-21-39)

‡ Service BRUSH SET GDF-2012BS.

UNIT	APPLICATION
GDF-4808	Kermath

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GDF-4808 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GCZ-2001A)	1	Frame & Field Assy.
GAA-32	1	Term. Post Top Ins.
GAL-29	2	Pole Piece
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-40	1	Lead Assembly
GAA-27	1	Terminal Post
X-847	1	Terminal
GBW-58	1	Terminal Post
GBW-66	1	Term. Post Bottom Ins.
GBW-67	1	Term. Post Bottom Ins.
GCJ-1005	1	FIELD COIL ASSY.-COMP.
GCJ-1007	1	Field Coil Assy.-Left
X-976	1	Terminal
GCJ-1008	1	Field Coil - Right
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
GK-20	2	Frame Screw
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	2	#10 Lock Washer
X-199	2	1/4 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Sc.
5X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

(GDF-2002B)	1	Comm. End Plate Assy.
GAR-73	1	Oil Wick
GAR-98A	1	Wick Cover
GBW-69	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GBW-1068B	1	Comm. End Cap Cover
GCJ-51	1	3rd Brush Plate Retain'g Spring
GCJ-1002E	1	Comm. End Plate Part Assembly
GBF-79	1	ABSORBENT BRONZE BRG.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
GCJ-1014	1	3rd Brush Plate Assy.
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
GDF-1012†	2	Brush - Main
GDF-1013†	1	Brush - Third
X-195	5	#8 Lock Washer
8X-311	1	#10-32x3/8 Rd. Hd. Sc.
8X-888	4	#8-32x5/16 Fill. Hd. Sc.
8X-1507	1	#8-32x1/4 Bdg. Hd. Sc.
X-195	2	#8 Lock Washer
8X-1507	2	#8-32x1/4 Bdg. Hd. Sc.
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GDF-2006	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GR-32	1	Felt Washer Retainer
SP-1354	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GBJ-1065	1	Drive End Head Assy.
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GBJ-65	1	Drive End Head
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	BALL BRG. - S.A.E. #203
X-489	1	1/4 Oiler-Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Screw

Miscellaneous Parts

GBW-24	1	Head Band
X-715	1	#10-32x1 1/4 Rd. Hd. Sc.
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 2-27-39)

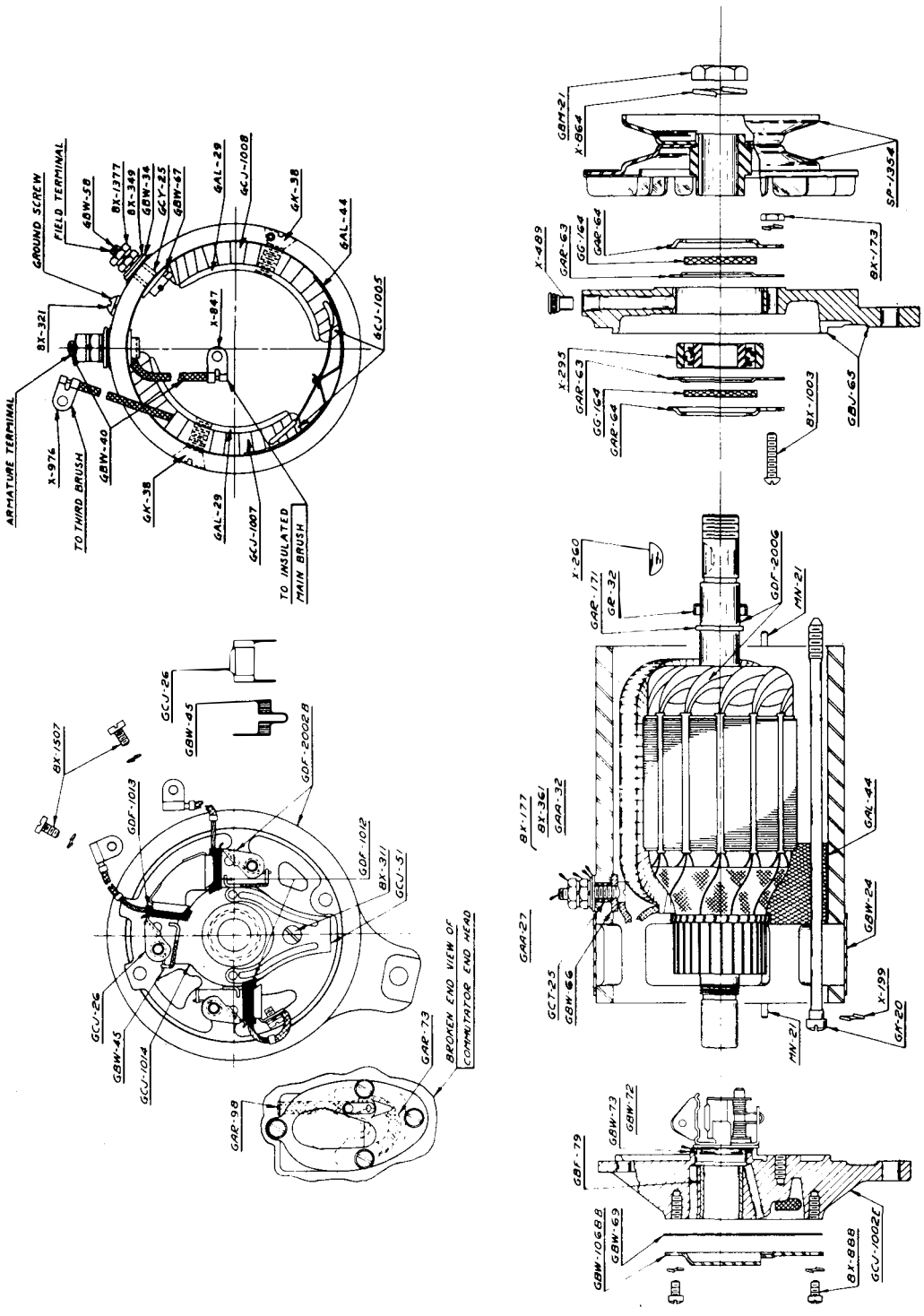
NOTE:- VRD-4006B VOLTAGE REGULATOR is used with but is not a part of this generator.

† SERVICE BRUSH SET GDF-2012S.

UNIT	APPLICATION
GDF-4812A	Studebaker

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GDF-4812A GENERATOR ILLUSTRATION



Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GDF-2025)	1	Frame & Field Assembly
GAL-29	2	Pole piece
GAL-44	1	Field Connection Ins.
GAR-211	1	Insulating Bushing
GCJ-1005D	1	FIELD COIL ASSY.- Comp.
GCJ-1007B	1	Field Coil Assy.-Right
X-976	1	Terminal
GCJ-1008D	1	Field Coil Assy.-Left
GAL-299	1	C.B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-959	1	Terminal
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-140	1	#6-32 Hex. Nut
X-194	1	#6 Lock Washer
8X-1008	1	#6-32x9/16 Rd. Hd. Screw
GK-20	2	Frame Screw
X-199	2	1/4 Lock Washer

Comm. End Plate Assy. & Parts Used With

(GDF-2056)	1	Comm. End Plate Assembly
GAR-73	1	Oil Wick
GAR-98A	1	Wick Cover
GAR-1014A	1	3rd Brush Holder Plate Assembly
GBJ-1013A‡	1	Brush - Third
GBW-69	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GBW-1068B	1	Comm. End Cap Cover
GCJ-51	1	3rd Brush Plate Retaining Spring
GCJ-1056A	1	C. E. Plate Part Assy.
GBF-79	1	ABSORBENT BRONZE BRG.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
GDF-1012‡	2	Brush - Main
X-195	5	#8 Lock Washer
8X-311	1	#10-32x3/8 Rd. Hd. Sc.
8X-888	4	#8-32x5/16 Fill. Hd. Sc.
8X-1507	1	#8-32x1/4 Bdg. Hd. Sc.
X-195	2	#8 Lock Washer
8X-1507	2	#8-32x1/4 Bdg. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAL-310	1	Armature Shaft Spacer
GDF-2091	1	ARMATURE ASSEMBLY
GK-174	1	1/2 Plain Washer
X-156	1	1/2-20 Castellated Nut
X-263	1	#8 Woodruff Key
X-404	1	3/32x1 Cotter Pin

Drive End Head Assy. & Parts Used With

GDF-1028A	1	Drive End Head Assembly
DB-17	1	Felt Guard
GAR-95	1	Felt Washer
GBC-25	1	Felt Guard
GDF-28A	1	Drive End Head
GW-29	1	Felt Washer
GX-9	1	Bearing Retainer
X-196	3	#10 Lock Washer
X-298	1	BALL BRG.- S.A.E. #204
8X-311	3	#10-32x3/8 Rd. Hd. Sc.
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

CB-4014	1	CIRCUIT BREAKER ASSEMBLY
CB-123	1	Armature Spring
CB-160S	1	C. B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Screw
GBW-1024A	1	Head Band Assembly
X-196	2	#10 Lock Washer
8X-321	2	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 5-2-40)

‡ Service BRUSH SET GDF-2012AS.

UNIT	APPLICATION
GDF-4813	Chris Craft

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GDF-4813 GENERATOR ILLUSTRATION

Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GDF-3001)	1	Frame & Field Assembly
GAL-29	2	Pole Piece
GAL-44	1	Field Connection Ins.
GAR-211	1	Insulating Bushing
GCJ-2005C	1	FIELD COIL ASSY.- COMP.
GCJ-2007B	1	Field Coil Assy.-Left
GAL-296	1	C.B. Lead Assembly
X-755	1	Terminal
X-1425	1	Terminal
X-959	1	Terminal
GCJ-2008B	1	Field Coil Assy.-Right
X-976	1	Terminal
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-140	1	#6-32 Hex. Nut
X-194	1	#6 Lock Washer
8X-1008	1	#6-32x9/16 Rd. Hd. Screw
GK-20	2	Frame Screw
X-199	2	1/4 Lock Washer

Comm. End Plate Assy. & Parts Used With

(GDF-3089)	1	Comm. End Plate Assembly
GAR-73	1	Oil Wick
GAR-98	1	Wick Cover
GBJ-1013A‡	1	Brush - Third
GBW-69	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GBW-1068B	1	Comm. End Cap Cover
GCJ-51	1	3rd Brush Plate Retaining Spring
GCJ-1089A	1	C.E. Plate Part Assembly
GBF-79	1	ABSORBENT BRONZE BRG.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
GDB-1014L	1	3rd Brush Plate Assy.
GDF-1012‡	2	Brush - Main
X-195	5	#8 Lock Washer
8X-311	1	#10-32x3/8 Rd. Hd. Sc.
8X-888	4	#8-32x5/16 Fill. Hd. Sc.
8X-1507	1	#8-32x1/4 Bdg. Hd. Screw
X-195	2	#8 Lock Washer
8X-1507	2	#8-32x1/4 Bdg. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAL-310	1	Armature Shaft Spacer
GDF-2091	1	ARMATURE ASSEMBLY
GK-174	1	1/2 Plain Washer
X-156	1	1/2-20 Castellated Nut
X-263	1	#8 Woodruff Key
X-404	1	3/32x1 Cotter Pin

Drive End Head Assy. & Parts Used With

GDF-1028	1	Drive End Head Assembly
DB-17	1	Felt Guard
GAR-95	1	Felt Washer
GBC-25	1	Felt Guard
GDF-28	1	Drive End Head
GW-29	1	Felt Washer
GX-9	1	Bearing Retainer
X-196	3	#10 Lock Washer
X-298	1	BALL BRG. - S.A.E. #204
8X-311	3	#10-32x3/8 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

CB-4014	1	CIRCUIT BREAKER ASSEMBLY
CB-123	1	Armature Spring
CB-160S	1	C. B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Screw
GBW-1024A	1	Head Band Assembly
X-196	2	#10 Lock Washer
8X-321	2	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

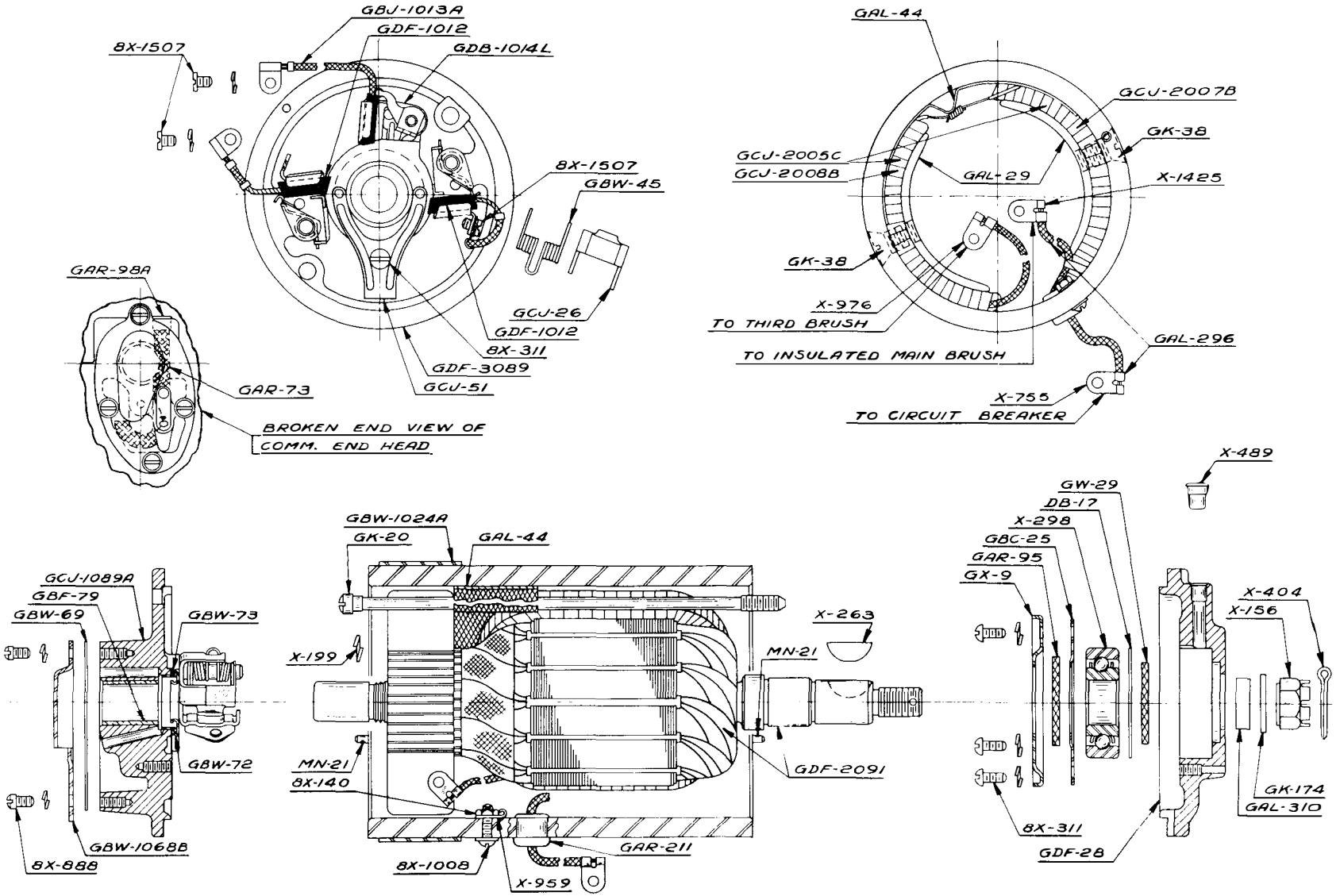
‡ Service BRUSH SET GDF-2012BS.

UNIT	APPLICATION
GDF-4814	Chris Craft Corp.

(Issued 12-7-39)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GDF-4814 GENERATOR ILLUSTRATION



Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GDF-3030)	1	Frame & Field Assembly
GAA-32	1	Terminal Post Top Ins.
GAL-29	2	Pole Piece
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-58	1	Terminal Post
GBW-62	1	Lead Assembly
GAA-27	1	Terminal Post
X-847	1	Terminal
GBW-66	1	Terminal Post Bottom Ins.
GBW-67	1	Terminal Post Bottom Ins.
GCJ-2005D	1	FIELD COIL ASSY.- Comp.
GCJ-1007C	1	Field Coil Assy.-Left
X-976	1	Terminal
GCJ-1008	1	Field Coil - Right
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
GK-20A	2	Frame Screw
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	2	#10 Lock Washer
12X-199	2	1/4 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assy. & Parts Used With

(GDF-3032)	1	Comm. End Plate Assembly
GAR-73	1	Oil Wick
GAR-98A	1	Wick Cover
GBW-69	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GBW-1068B	1	Comm. End Cap Cover
GCJ-51	1	3rd Brush Plate Retaining Spring
GCJ-1014L	1	3rd Brush Plate Assembly
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
GCJ-1032A	1	C. E. Plate Part Assy.
GBF-79	1	ABSORBENT BRONZE BRG.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
GDF-1012‡	2	Brush - Main
GDF-1013‡	1	Brush - Third
12X-195	5	#8 Lock Washer
8X-311	1	#10-32x3/8 Rd. Hd. Sc.
8X-888	4	#8-32x5/16 Fill. Hd. Sc.
8X-1507	1	#8-32x1/4 Bdg. Hd. Sc.
X-195	2	#8 Lock Washer
8X-1507	2	#8-32x1/4 Bdg. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GDF-2006F	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GR-32	1	Felt Washer Retainer
SP-379	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assy. & Parts Used With

GDF-1031	1	Drive End Head Assembly
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GDF-31	1	Drive End Head
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	BALL BRG. - S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Screw

Miscellaneous Parts

GBW-24B	1	Head Band
8X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 5-2-40)

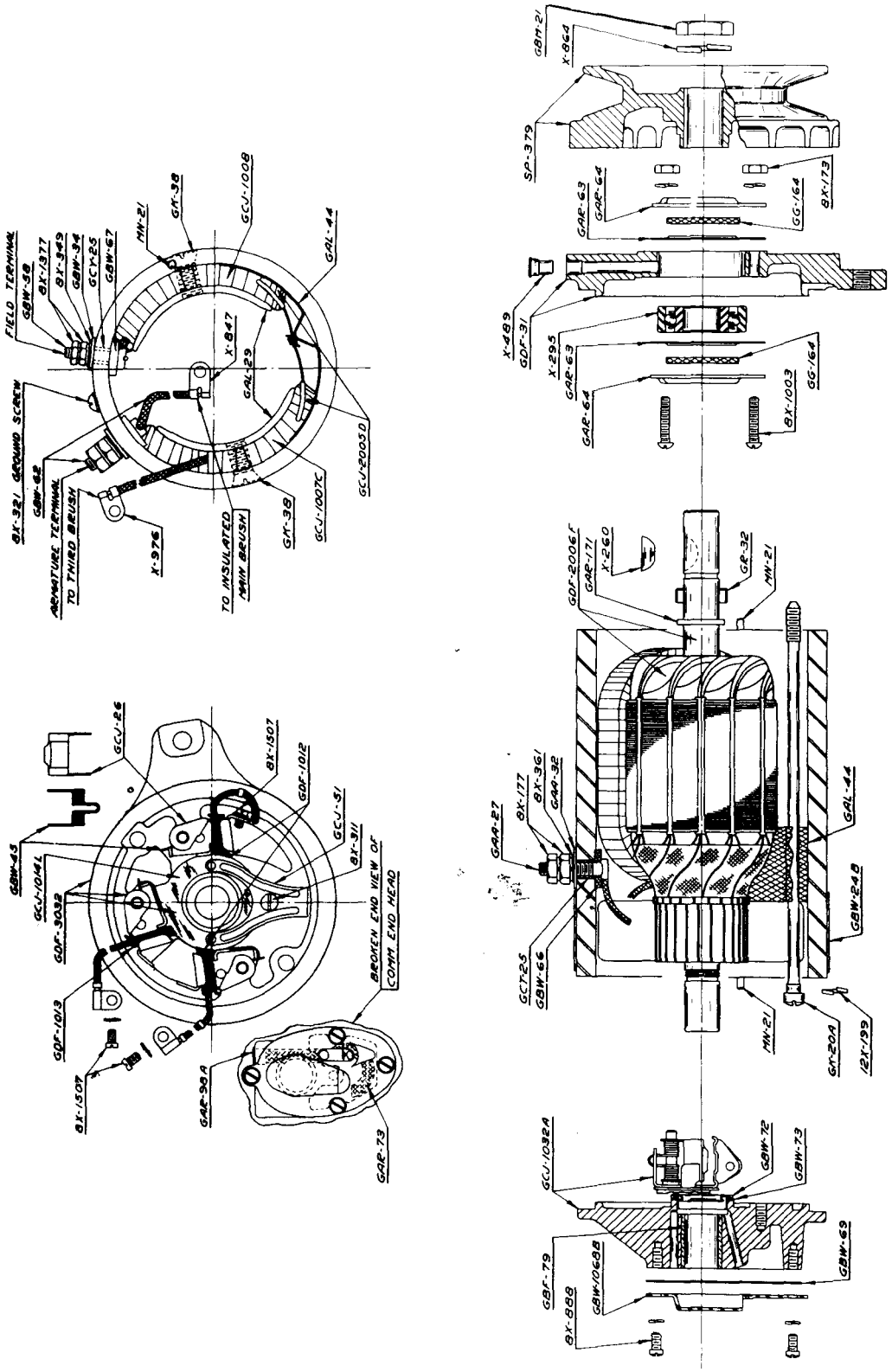
NOTE:- VRR-4003A VOLTAGE REGULATOR is used with but is not part of this generator.

‡ Service BRUSH SET GDF-2012S.

UNIT	APPLICATION
GDF-4815A	Dodge Truck (Spec. Equip.)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GDF-4815A GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCX-20	2	Frame Screw
(GDG-2032)	1	Frame & Field Assy.
GAA-30	1	Terminal Post Bottom Ins.
CAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GCT-25	1	Insulating Bushing
GCX-29	2	Pole Piece
GDG-25	1	Lead Assy.
GAA-27	1	Terminal Post
X-847	1	Terminal
GDG-1005	1	Field Coil Assy.-Comp.
GDG-1007	1	Field Coil Assy.-Left
X-976	1	Terminal
GDG-1008	1	Field Coil Assy.-Right
X-959	1	Terminal
GK-38	4	Pole Piece Screw
MN-21	2	Dowel Pin
8X-140	1	#6-32 Hex. Nut
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-194	1	#6 Lock Washer
8X-361	1	1/4 Plain Washer
8X-1008	1	#6-32x9/16 Rd. Hd. Sc.
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
X-199	2	1/4 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Sc.

Comm. End Plate Assembly & Parts Used With

GAS-69	1	Comm. End Cap Cover
GAS-70	1	End Cap Cover Gasket
GAS-71	1	Brg. Retaining Washer
(GDG-2002)	1	Comm. End Plate Assy.
GAL-12‡	2	Brush - Main
GAL-199	2	Brush Screw Block
GAL-204	1	Ground Connector Assy.
X-958	2	Terminal
GAL-242	2	Brush Holder
GCX-19	2	Brush Spring
GDG-1002	1	C.E. Plate Part Assy.
8X-59	1	#8-32x3/16 Rd. Hd. Sc.
X-195	4	#8 Lock Washer
8X-304	1	#8-32x5/16 Rd. Hd. Sc.
8X-1505	2	#8-32x9/16 Binding Hd. Sc.
8X-61	1	#10-32x7/16 Flat Hd. Sc.
X-63	3	#8-32x3/8 Flat Hd. Sc.
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-1276	1	#8 Skpf. Washer
X-1502	1	Ball Bearing - Oil Seal
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GCX-23	1	Armature Shaft Spacer
GCX-2006F	1	Armature Assy.
GAR-171	1	Snap Ring
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GDG-1003	1	Drive End Head Assy.
GDG-3	1	Drive End Head
GG-6	2	Bearing Retainer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
8X-316	3	#10-32x3/4 Rd. Hd. Sc.
X-1501	1	Ball Bearing - Oil Seal

Miscellaneous Parts

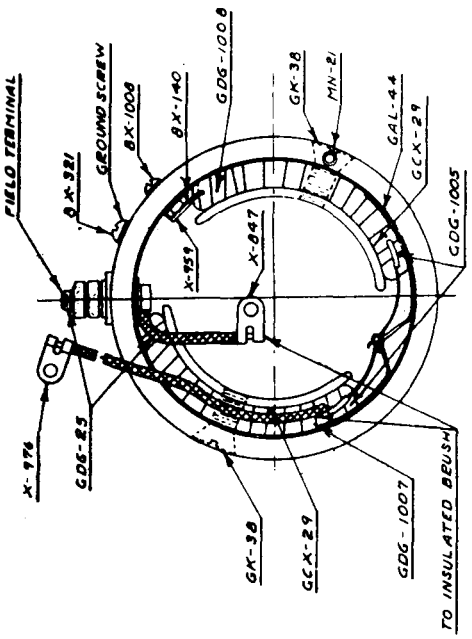
GBW-24	1	Head Band
X-715	1	#10-32x1 1/4 Rd. Hd. Sc.
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

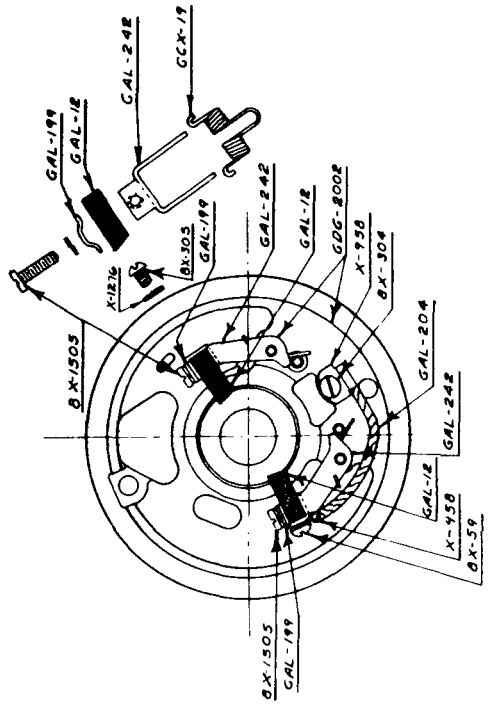
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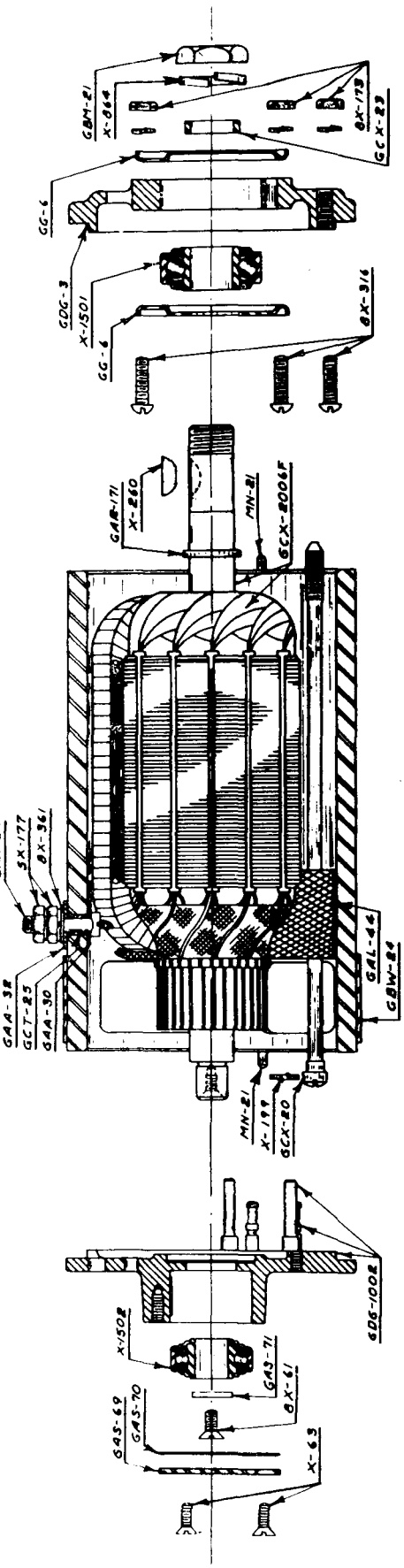
‡ Service Brush Set GAL-1012S.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GDG-4501 GENERATOR ILLUSTRATION







ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GCM-2056)	1	Frame & Field Assembly
GAL-44	1	Field Connection Ins.
GAL-1005AJ	1	FIELD COIL ASSY.- Comp.
GAL-1007AF	1	Field Coil Assy.-Left
GAL-289	1	C.B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GAL-1008F	1	Field Coil Assy.-Right
X-767	1	Terminal
GAR-29	2	Pole Piece
GAR-211	1	Insulating Bushing
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
GK-20	2	Frame Screw
X-199	2	1/4 Lock Washer

Comm. End Plate Assy. & Parts Used With

DA-22	1	Bearing Retaining Washer
DA-39	1	Flat Oil Guard
DA-60	1	Bearing Retaining Screw
DJ-4	1	Comm. End Cap Cover
DJ-10	1	End Cap Cover Gasket
GAJ-79	1	Bearing Spacer
(GDB-2057)	1	Comm. End Plate Assembly
GCJ-51	1	3rd Brush Plate Retaining Spring
GCJ-1012‡	2	Brush - Main
GCJ-1013‡	1	Brush - Third
GCJ-1014L	1	3rd Brush Plate Assembly
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
GCM-1057	1	C.E. Plate Part Assy.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Sc.
8X-311	1	#10-32x3/8 Rd. Hd. Sc.
GR-32	1	Felt Washer Retainer
GR-35	1	Felt Washer
X-195	2	#8 Lock Washer
X-199	1	1/4 Lock Washer
X-295	1	BALL BEARING - S.A.E. #203
8X-305	2	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Sc.
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GDH-2070	1	ARMATURE ASSEMBLY
GAR-171	2	Snap Ring
GJ-104	1	Armature Shaft Spacer
GR-32	1	Felt Washer Retainer
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assy. & Parts Used With

GAM-1101A	1	Drive End Head Assembly
GAM-34	1	Oil Guard - Corrugated
GAM-101A	1	Drive End Head
GAR-63	1	Felt Guard
GAR-64	1	Bearing Retainer
GG-164	2	Felt Washer
X-196	3	#10 Lock Washer
X-295	1	BALL BRG. - S.A.E. #203
8X-311	3	#10-32x3/8 Rd. Hd. Sc.
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

GBW-1024A	1	Head Band Assembly
TC-4323A	1	TWO CHARGE REGULATOR
X-196	4	#10 Lock Washer
8X-321	4	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

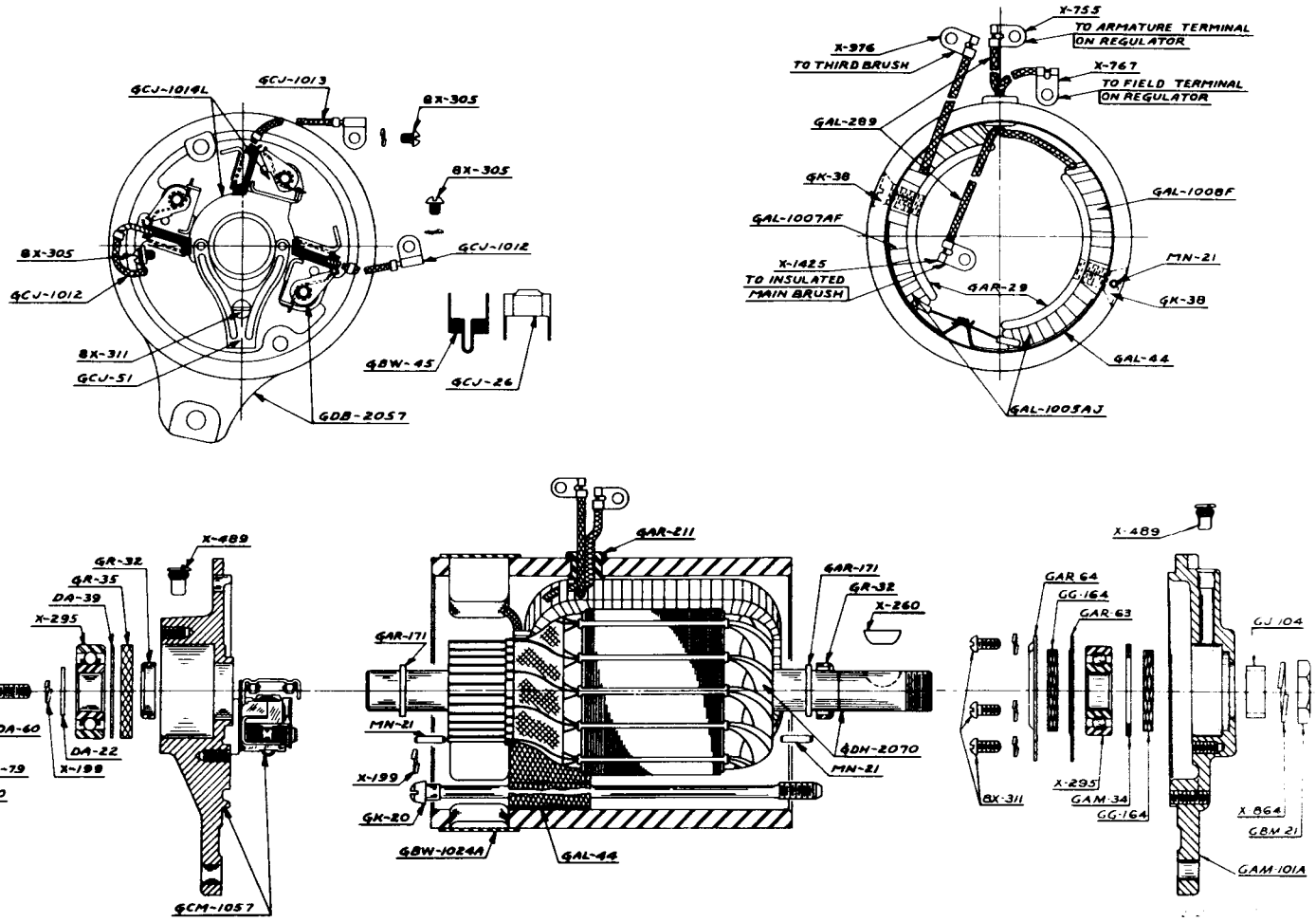
(Issued 5-2-40)

‡ Service BRUSH SET GDF-2012S.

UNIT	APPLICATION
GDH-4801	Lycoming Mfg. Co.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GDH-4801 GENERATOR ILLUSTRATION



Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBG-83S	1	Mounting Bracket
(GDJ-2084)	1	Frame & Field Assembly
GBF-55	1	Insulating Washer
GBG-22	1	Terminal Post - #10-32
GBG-23	1	Terminal Post - 5/16-24
GBG-27	1	Control Lead Assembly
MAB-14A	1	Terminal
X-1425	2	Terminal
GBG-28	1	Terminal Post Ins.
GBG-30	1	Field Connection Ins.
GBG-38	8	Pole Piece Screw
GBG-62	1	Terminal Post Insulation
GCY-27	1	Insulating Bushing
GCY-28	1	Insulating Bushing
GDJ-29	4	Pole Piece
GDJ-1005	1	FIELD COIL ASSY.- COMP.
GDJ-1007	1	Field Coil Assy.- U.L.
X-1425	1	Terminal
GDJ-1008	1	Field Coil - L.L.
GDJ-1009	1	Field Coil - L.R.
GDJ-1010	1	Field Coil Assy.- U.R.
GBG-26	1	Terminal
MU-36	1	Insulating Washer
MU-37	1	5/16 Plain Washer
8X-183A	1	#10 Plain Washer
X-196	1	#10 Lock Washer
X-1014	1	5/16 Lock Washer
8X-1376	1	5/16-24 Hex. Nut
8X-1377	1	#10-32 Hex. Nut
X-33	1	3/8-24x11/16 Flat Hd. Screw
X-196	2	#10 Lock Washer
X-201	3	3/8 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
X-465	3	3/8-24x3/4 Hex. Hd. Screw
X-1014	1	5/16 Lock Washer
8X-1376	1	5/16-24 Hex. Nut
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assy. & Parts Used With

DA-60	1	Bearing Retaining Screw
GBG-66	1	Bearing Retaining Washer
GCE-40	2	Felt Washer Retainer
GDJ-23	1	Spring Washer
GDJ-24	1	Felt Washer
GDJ-27	1	Gasket
GDJ-63	1	Comm. End Cap Cover
GDJ-2030	1	Comm. End Plate Assy.
GBY-34	4	Brush Arm
GCE-53	4	Brush Spring
GDJ-1012‡	4	Brush - Main
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
8X-118	6	#10-32x3/4 Fill. Hd. Screw
X-195	3	#8 Lock Washer
X-196	10	#10 Lock Washer
X-199	1	1/4 Lock Washer
8X-305	3	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
8X-870	4	#10-32x5/16 Fill. Hd. Screw
X-1528	1	BALL BEARING - S.A.E. #205
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBG-49	2	Armature Shaft Spacer
GDJ-2031F	1	ARMATURE ASSEMBLY
SP-367	1	Drive Pulley
X-263	1	#8 Woodruff Key
X-1134	1	5/8 Plain Washer
X-1177	1	5/8 Skpf. Washer
X-1178	1	5/8-18 Hex. Nut

Drive End Head Assy. & Parts Used With

GBG-1068	1	Drive End Head Assembly
GBG-50	1	Gasket
GBG-57	1	Felt Washer Retainer
GBG-58	1	Felt Washer
GBG-68	1	Drive End Head
GBG-1056	1	Bearing Retainer Assy.
GBG-56	1	Bearing Retainer
GBG-57	1	Felt Washer Retainer
GBG-58	1	Felt Washer
8X-119	4	#10-32x1/2 Fill. Hd. Sc.
X-196	4	#10 Lock Washer
X-444	1	BALL BRG. - S.A.E. #305
8X-118	6	#10-32x3/4 Fill. Hd. Screw
X-394	1	Screw in - Sleeve Oiler
X-544	6	#10 Lock Washer

Miscellaneous Parts

GBG-24	1	Head Band Assembly
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 10-18-39)

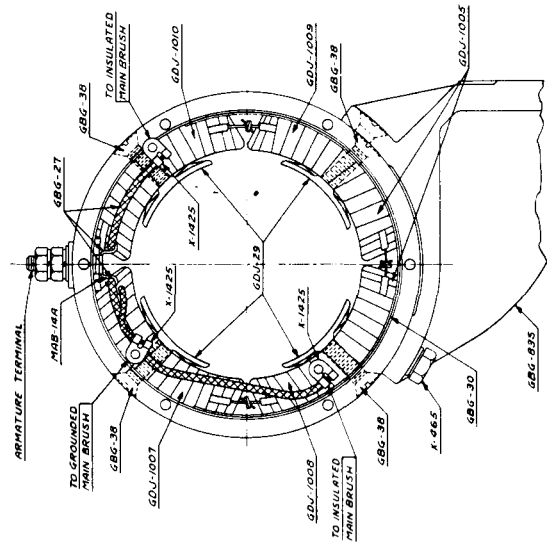
‡ SERVICE BRUSH SET GDJ-2012S.

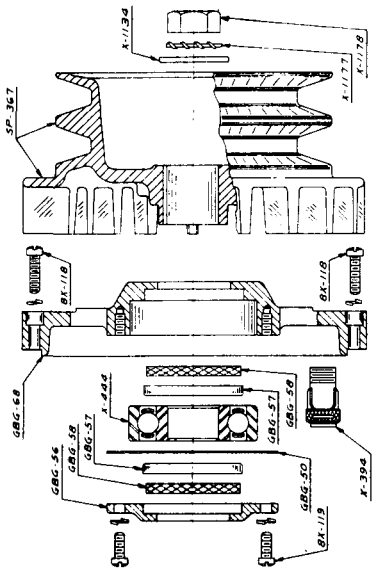
NOTE:- VRH-4102A CURRENT-VOLTAGE REGULATOR is used with but is not part of this generator.

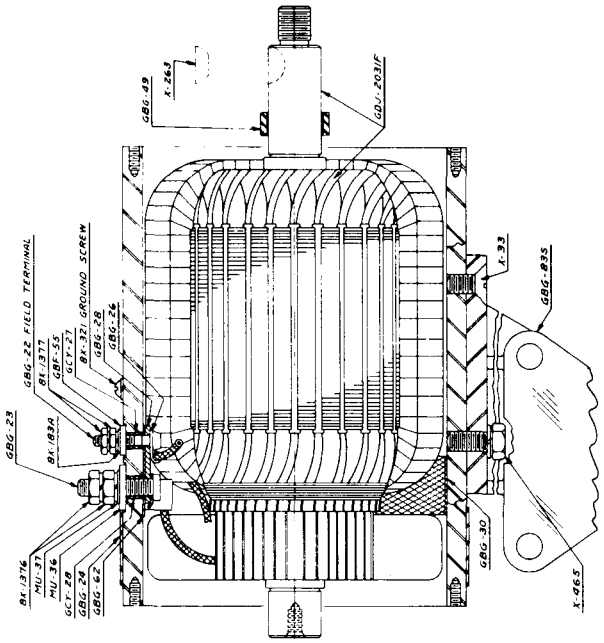
UNIT	APPLICATION
GDJ-4802A	White

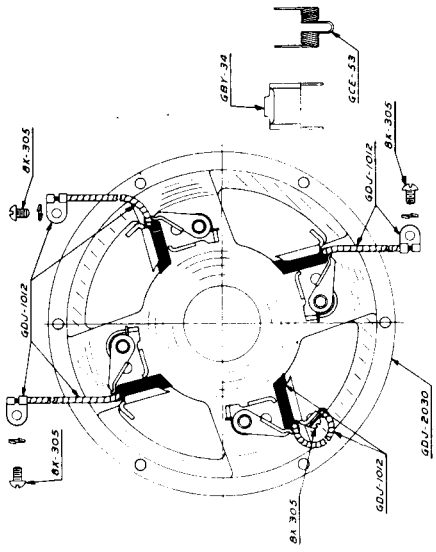
"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

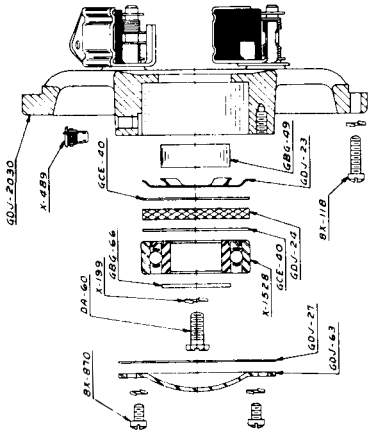
GDJ-4802A GENERATOR ILLUSTRATION











ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part 1 2 3 4 5
GBG-83S	1	Bracket, Mounting, Generator
(GDJ-2116)	1	Frame & Field Assy.
GBG-22	1	Post, Field Term., #10-32
GBG-23	1	Post, Arm. Term., 5/16-24
GBG-27	1	Lead Assy.
GBG-121	1	Terminal, 2 Wire
X-1425	2	Terminal
GBG-30	1	Insulation, Field Connection
GBG-38	8	Screw, Pole Piece
GBW-34	2	Washer, Ins., Field Term.
GCY-31	1	Bushing, Ins., Field Term.
GCY-32	1	Bushing, Ins., Arm. Term.
GDJ-29	4	Pole Piece
GDJ-66	1	Insulation, Term. Post
GDJ-67	1	Insulation, Term. Post
GDJ-68	1	Insulation, Field Term.
GDJ-1005	1	Coil Assy., Field, Complete
GDJ-1007	1	Coil Assy., Field, U.L.
X-1425	1	Terminal
GDJ-1008	1	Coil, Field, L.L.
GDJ-1009	1	Coil, Field, L.R.
GDJ-1010	1	Coil Assy., Field, U.R.
GBG-26	1	Terminal
MU-32	2	Washer, Ins., Arm. Term.
MU-37	1	Washer, Plain, 5/16
8X-183A	1	Washer, Plain, #10
X-196	1	Washer, Lock, #10
X-1014	1	Washer, Lock, 5/16
8X-1059	1	Nut, Hex., Inner, 5/16-24
8X-1376	1	Nut, Hex., Outer, 5/16-24
8X-1377	2	Nut, Hex., #10-32
X-33	1	Screw, Flat Hd., 3/8-24x11/16
12X-196	1	Lockwasher, Grd. Screw, #10
12X-201	3	Lockwasher, Bracket Sc., 3/8
X-465	3	Screw, Bracket, Hex. Hd. 3/8-24x3/4
8X-321	1	Screw, Ground, Rd. Hd.

Comm. End Head Assembly & Parts Used With

DA-60	1	Screw, Bearing Retaining
GBG-66	1	Washer, Bearing Retaining
GCE-40	2	Washer, Felt Retaining
GDJ-23	1	Washer, Spring
GDJ-24	1	Washer, Felt
GDJ-27	1	Gasket, C.E. Cover
GDJ-63A	1	Cover, Comm. End
GDJ-2030	1	Head Assy., Comm. End
GBY-34	4	Arm, Brush
GCE-53	4	Spring, Brush
GDJ-1012†	4	Brush
8X-118	6	Screw, C.E. Head, Fil. Hd. #10-32x3/4
8X-119	4	Screw, Comm. End Head, Fil. Hd. #10-32x1/2
12X-195	3	Lockwasher, Brush Lead Sc., #8 1 2 3 4 5

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part 1 2 3 4 5
12X-196	10	Lockwasher, C.E. Head & Cover Sc.
12X-199	1	Lockwasher, Brg. Retaining Sc., 1/4
8X-305	3	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler, Hinge Top, Press in, 1/4
X-1528	1	Bearing, Ball, Shielded, S.A.E. #205

Armature Assembly & Parts Used With

GBG-49	2	Spacer, Armature Shaft
GDJ-2031F	1	Armature
SP-217	1	Pulley, Drive
X-263	1	Key, Woodruff, D.E., #8
X-1134	1	Washer, Shaft, D.E., Plain 5/8
X-1177	1	Washer, Shaft, D.E., Skpf, 5/8
X-1178	1	Nut, Shaft, D.E., Hex. 5/8-18

Drive End Head Assembly & Parts Used With

GBG-1068	1	Head Assy., Drive End
GBG-50	1	Gasket, Bearing Retainer
GBG-57	1	Retainer, Felt Washer, Outer
GBG-58	1	Washer, Felt, Outer
GBG-68	1	Head
GBG-1056	1	Retainer Assy., Bearing
GBG-56	1	Retainer, Bearing
GBG-57	1	Retainer, Felt Washer
GBG-58	1	Washer, Felt
8X-119	4	Screw, Bearing Retainer Fil. Hd., #10-32x1/2
X-196	4	Lockwasher, Retainer Sc., #10
X-444	1	Bearing, Ball, S.A.E. #305
8X-118	6	Screw, D.E. Head, Fil. Hd. #10-32x3/4
X-394	1	Oiler, Sleeve, 1/2-20
12X-544	6	Lockwasher, D.E. Head Sc., #10

Miscellaneous Parts

GBG-24	1	Band, Cover
X-715	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/4
8X-794	1	Nut, Cover Band, Square #10-32 1 2 3 4 5

† Brush Set, Service GDJ-2012S.

NOTE:- VRH-4101A Current-Voltage Regulator is used with but is not a part of this generator.

Unit	Application
GDJ-4803A	Diamond T

(Issued 10-30-46)

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GDJ-38	4	Insulating Washer
(GDJ-2109)	1	Frame & Field Assembly
GBF-55	1	Insulating Washer
GBG-27	1	Control Lead Assy.
GBG-121	1	Terminal
X-1425	2	Terminal
GBG-30	1	Field Connection Ins.
GBG-38	8	Pole Piece Screw
GCY-27	1	Insulating Bushing
GCY-28	1	Insulating Bushing
GDJ-29	4	Pole Piece
GDJ-36	1	Terminal Post
GDJ-37	1	Terminal Post
GDJ-66	1	Term. Post Bottom Ins.
GDJ-67	1	Term. Post Bottom Ins.
GDJ-68	1	Terminal Insulation
GDJ-1005	1	FIELD COIL ASSY.-Comp.
GDJ-1007	1	Field Coil Assy.-U.L.
X-1425	1	Terminal
GDJ-1008	1	Field Coil - L.L.
GDJ-1009	1	Field Coil - L.R.
GDJ-1010	1	Field Coil Assy.-U.R.
GBG-26	1	Terminal
MU-36	1	Insulating Washer
MU-37	1	5/16 Plain Washer
8X-183A	1	#10 Plain Washer
12X-196	1	#10 Lock Washer
12X-1014	1	5/16 Lock Washer
8X-1376	1	5/16-24 Hex. Nut
8X-1377	1	#10-32 Hex. Nut
MBD-145	1	Insulating Washer
8X-173	1	#10-32 Hex. Nut
12X-196	1	#10 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
X-1270	2	#10 Skpf. Washer
X-1284	3	5/16 Skpf. Washer
8X-1610	2	5/16-24 Hex. Nut

Comm. End Plate Assembly & Parts Used With

DA-60	1	Bearing Retaining Screw
GBG-66	1	Bearing Retaining Washer
GCE-40	2	Felt Washer Retainer
GDJ-23	1	Spring Washer
GDJ-24	1	Felt Washer
GDJ-27	1	Gasket
GDJ-63A	1	Comm. End Cap Cover
GDJ-2064	1	Comm. End Plate Assy.
GBY-34	4	Brush Arm
GCE-53	4	Brush Spring
GDJ-1012†	4	Brush - Main
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Sc.
8X-118	6	#10-32x3/4 Fill. Hd. Sc.
X-195	3	#8 Lock Washer
12X-196	10	#10 Lock Washer
X-199	1	1/4 Lock Washer
8X-305	3	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
8X-870	4	#10-32x5/16 Fill. Hd. Sc.
X-1528	1	BALL BRG. - S.A.E. #203
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBG-49	2	Armature Shaft Spacer
GBG-81	1	Snap Ring
GDJ-2065F	1	ARMATURE ASSEMBLY
SP-227A	1	Ventilating Fan
*	1	Drive Pulley
8X-158	1	1/2-20 Hex. Nut
12X-198	1	1/2 Lock Washer
X-261	1	#6 Woodruff Key
X-263	1	#8 Woodruff Key
8X-358	1	1/2 Plain Steel Washer

Drive End Head Assembly & Parts Used With

GBG-1098	1	Drive End Head Assy.
GBG-50	1	Gasket
GBG-57	1	Felt Washer Retainer
GBG-58	1	Felt Washer
GBG-98	1	Drive End Head
GBG-1056	1	Bearing Retainer Assy.
GBG-56	1	Bearing Retainer
GBG-57	1	Felt Washer Retainer
GBG-58	1	Felt Washer
8X-119	4	#10-32x1/2 Fill. Hd. Sc.
X-196	4	#10 Lock Washer
X-444	1	BALL BRG. - S.A.E. #305
8X-118	6	#10-32x3/4 Fill. Hd. Sc.
X-394	1	Screw In - Sleeve Oiler
12X-544	6	#10 Lock Washer

Miscellaneous Parts

GBG-24B	1	Head Band
8X-715	1	#10-32x1 1/4 Rd. Hd. Sc.
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 2-7-41)

Assembly No.	Drive Pulley
GDJ-4804	None
GDJ-4804A	SP-270

† Service BRUSH SET GDJ-2012S.

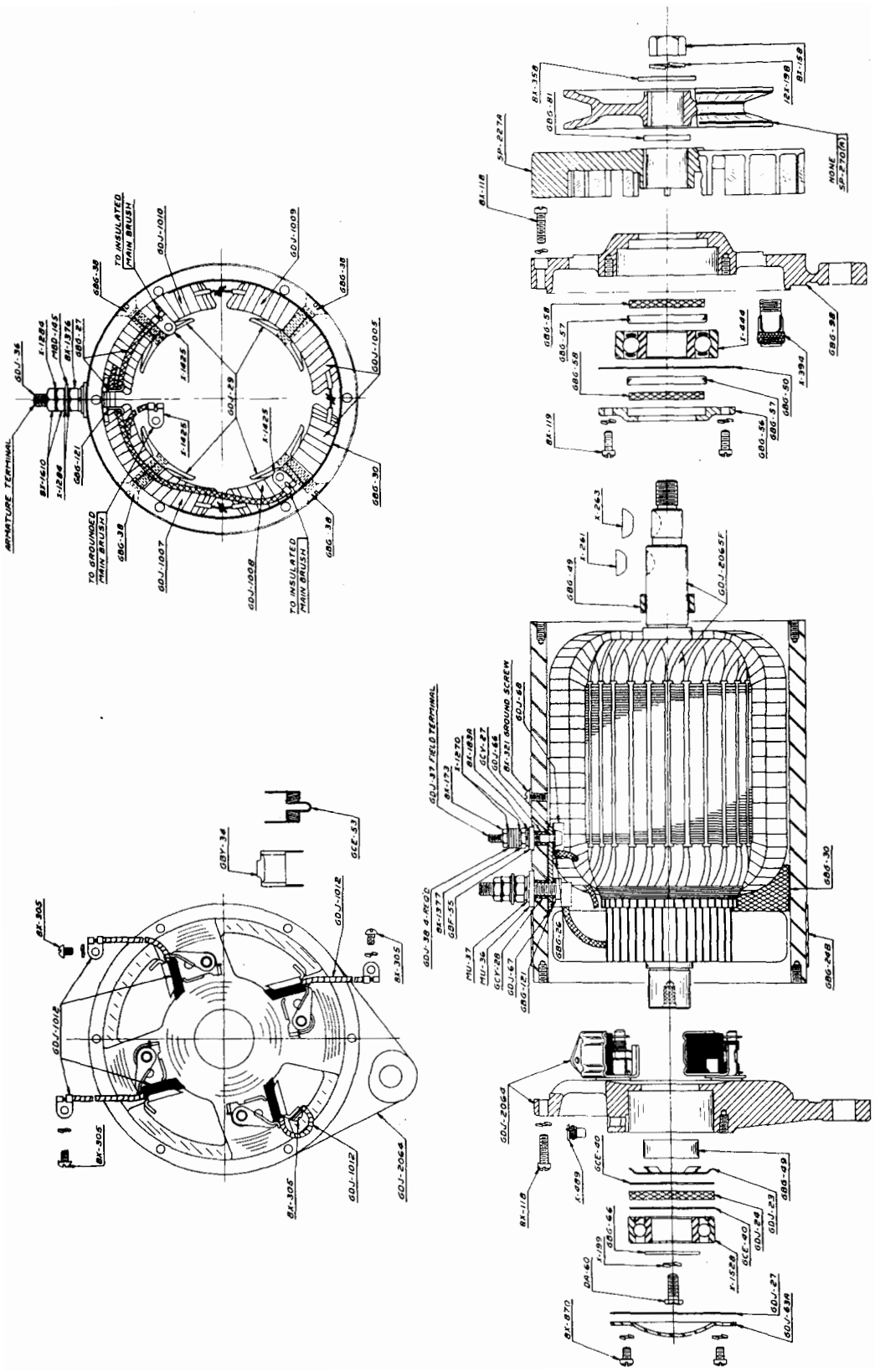
* See table following parts list for part number applying to assembly wanted.

NOTE:- VRH-4104A-1 CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GDJ-4804	Dodge Truck
GDJ-4804A	Dodge Truck

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GDJ-4804,A GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBG-113	1	Bracket, Mtg., Upper
GBG-114	1	Bracket, Mtg., Lower
(GDJ-2112)	1	Frame & Field Assy.
GBG-22	1	Stud, Field Term., #10-32
GBG-23	1	Stud, Arm. Term., 5/16-24
GBG-27	1	Lead Assembly
GBG-121	1	Terminal, 2 Wire
X-1425	2	Terminal
GBG-30	1	Insulation, Field Connection
GBG-38	8	Screw, Pole Shoe
GBW-34	2	Washer, Ins., Field Term.
GCY-31	1	Bushing, Ins., Field Term.
GCY-32	1	Bushing, Ins., Arm. Term.
GDJ-66	1	Insulation, Term. Stud, Inner
GDJ-67	1	Insulation, Term. Stud, Inner
GDJ-68	1	Insulation, Field Term., Inner
GDJ-1005	1	Coil Assy., Field, Comp.
GDJ-1007	1	Coil Assy., Field, U.L.
X-1425	1	Terminal
GDJ-1008	1	Coil, Field, L.L.
GDJ-1009	1	Coil, Field, L.R.
GDJ-1010	1	Coil Assy., Field, U.R.
GBG-26	1	Terminal
MU-32	2	Washer, Ins., Arm. Term.
MU-37	1	Washer, Arm. Term., 5/16
8X-183A	1	Washer, Field Term., #10
X-196	2	Lock Washer, Field Term., #10
X-1014	2	Lock Washer, Arm. Term., 5/16
5X-1059	1	Nut, Arm. Term., Hex., 5/16-24 Inner
5X-1376	2	Nut, Arm. Term., Hex., 5/16-24 Outer
5X-1377	3	Nut, Field Term., #10-32
X-196	1	Lock Washer, Ground Sc., #10
8X-321	1	Screw, Ground, #10-32x5/16
8X-1579	8	Screw, Bracket Attaching, Flat Hd., 5/16-24x5/8

Comm. End Head Assembly & Parts Used With

DA-60	1	Screw, Bearing Retaining
GBG-66	1	Washer, Bearing Retaining
GCE-40	2	Washer, Felt Retaining
GDJ-23	1	Washer, Spring
GDJ-24	1	Washer, Felt
GDJ-27	1	Gasket, C.E. Cover
GDJ-63A	1	Cover, Comm. End
GDJ-2030	1	Head Assy., Comm. End
GBY-34	4	Arm, Brush
GCE-53	4	Spring, Brush
GDJ-1012†	4	Brush
8X-118	6	Screw, Attaching, C.E. Head, Fil. Hd., #10-32x3/4
8X-119	4	Screw, Attaching, Cover, Fil. Hd., #10-32x1/2
X-195	4	Washer Lock, Brush Lead, #8
		1 2 3 4 5

Comm. End Head Assembly (Con't.)

Part No.	No. Used	Name of Part
		1 2 3 4 5
X-196	10	Lock Washer, Cover Screw & C.E. Head Screw, #10
X-199	1	Lock Washer, Brg. Ret'g Sc., 1/4
8X-305	4	Screw, Brush Lead, #8-32x1/4
X-489	1	Oiler, Hinge Top, Press in, 1/4
X-1528	1	Bearing, Ball, Shielded, SAE #205

Armature Assembly & Parts Used With

GBG-49	2	Spacer, Armature Shaft
GDJ-2062F	1	Armature
*	1	Pulley, Drive
X-1134	1	Washer, Plain, Arm. Shaft, 5/8
X-1177	1	Washer, Skpf., Arm. Shaft, 5/8
X-1178	1	Nut, Arm. Shaft, Hex., 5/8-18

Drive End Head Assembly & Parts Used With

GBG-1115	1	Head Assy., Drive End
GBG-50	1	Gasket, Bearing Retainer
GBG-57	1	Retainer, Felt Washer, Outer
GBG-58	1	Washer, Felt, Outer
GBG-115	1	Head
GBG-1056	1	Retainer Assy., Bearing
GBG-56	1	Retainer, Bearing
GBG-57	1	Retainer, Felt Washer
GBG-58	1	Washer, Felt
8X-119	4	Screw, Bearing Retainer, Fil. Hd., #10-32x1/2
X-196	4	Lock Washer, Bearing Retainer Screw, #10
X-444	1	Bearing, Ball, SAE #305
8X-118	6	Screw, Attaching, D.E. Head, Fil. Hd., #10-32x3/4
X-489	1	Oiler, Hinge Top, Press in, 1/4
X-544	6	Lock Washer, D.E. Head Sc., #10

Miscellaneous Parts

GBG-24B	1	Band, Cover
X-715	1	Screw, Cover Band, Rd. Hd., #10-32x1 1/4
8X-794	1	Nut, Cover Band, Square, #10-32
		1 2 3 4 5

(Issued 5-11-45)

Assembly No.	Pulley, Drive
GDJ-4806	None
GDJ-4806A	SP-418

† Brush Set, Service GDJ-2012S.

* See table following parts list for part number applying to assembly wanted.

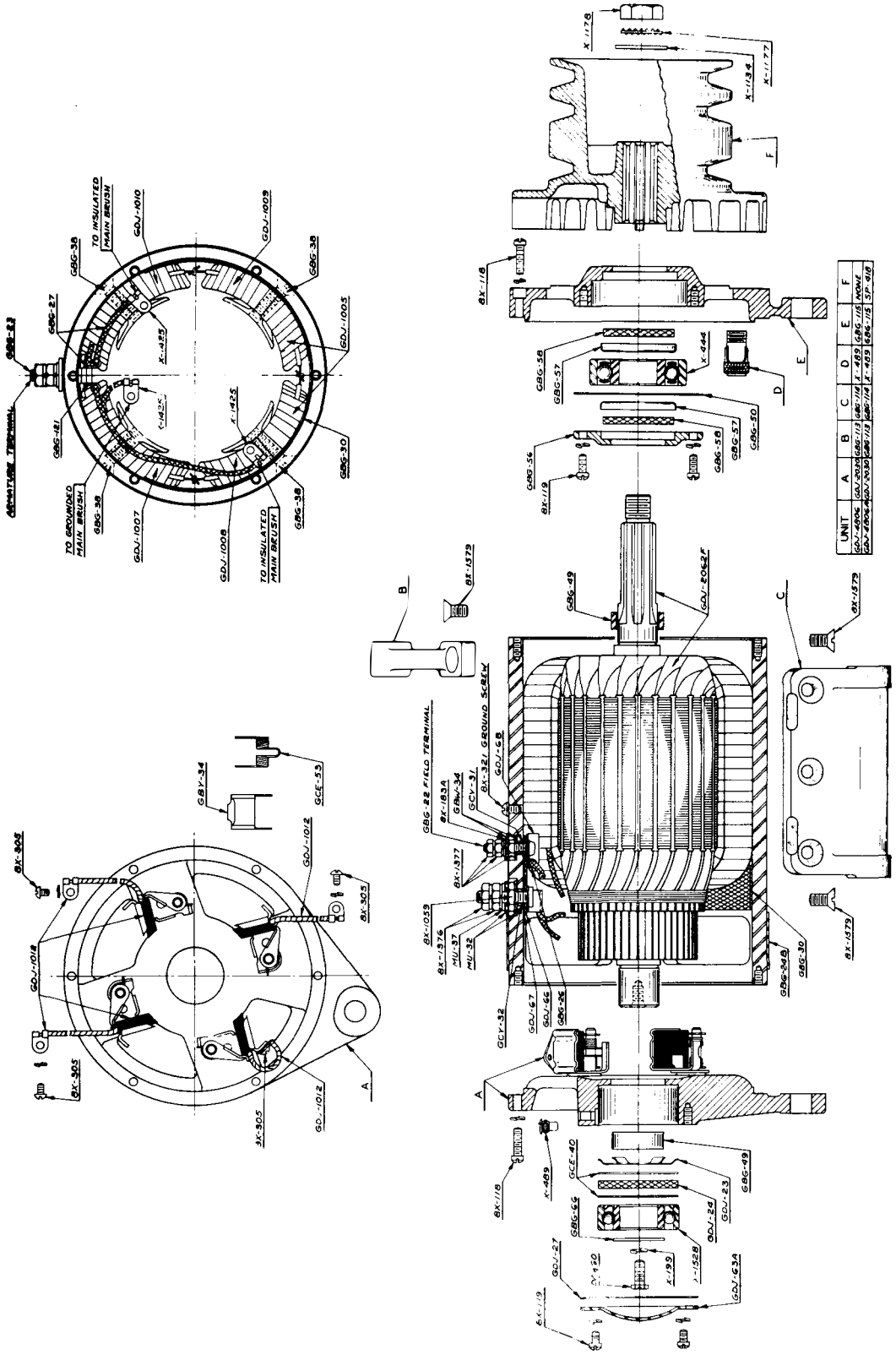
NOTE:- VRH-4102A Current-Voltage Regulator is used with but is not a part of this generator.

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part num ers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GDJ-4806,A GENERATOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GDJ-2109A	1	Frame & Field Assy.
GBF-55	1	Washer, Ins., Field Term.
GBG-22	1	Stud, Field Term., #10-32
GBG-23	1	Stud, Arm. Term., 5/16-24
GBG-27	1	Lead Assembly
GBG-121	1	Terminal, 2 Wire
X-1425	2	Terminal
GBG-30	1	Insulation, Field Connection
GBG-38	8	Screw, Pole Shoe
GCY-27	1	Bushing, Ins., Field Term.
GCY-28	1	Bushing, Ins., Arm. Term.
GDJ-66	1	Insulation, Term. Stud, Inner
GDJ-67	1	Insulation, Term. Stud, Inner
GDJ-68	1	Insulation, Field Term.
GDJ-1005	1	COIL ASSY., FIELD, COMPLETE
GDJ-1007	1	Coil Assy., Field U.L.
X-1425	1	Terminal
GDJ-1008	1	Coil, Field, L.L.
GDJ-1009	1	Coil, Field, L.R.
GDJ-1010	1	Coil Assy., Field, U.R.
GBG-26	1	Terminal
MU-36	1	Washer, Ins., Arm. Term.
MU-37	1	Washer, Plain, Arm. Term.
8X-183A	1	Washer, Plain, Field Term., #10
12X-196	2	Lockwasher, Field Term., #10
12X-1014	2	Lockwasher, Arm. Term., 5/16
8X-1376	2	Nut, Arm. Term., Hex. 5/16-24
8X-1377	2	Nut, Field Term., Hex. #10-32
12X-196	1	Lockwasher, Ground Screw, #10
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

DA-60	1	Screw, Bearing Retaining
GBG-66	1	Washer, Bearing Retaining
GCE-40	2	Washer, Felt Retaining
GDJ-23	1	Washer, Spring
GDJ-24	1	Washer, Felt
GDJ-27	1	Gasket, C.E. Cover
GDJ-63A	1	Cover, Comm. End
GDJ-2012DS	1	BRUSH SET, SERVICE

Comm. End Head Assy. (Continued)

Part No.	No. Used	Name of Part
GDJ-2074S	1	Head Assy., Comm. End
GBY-34	4	Arm, Brush
GCE-53	4	Spring, Brush
8X-118	6	Screw, C.E. Head, Fill. Hd. #10-32x3/4
8X-119	4	Screw, Cover, Fill. Hd. #10-32x1/2
12X-195	4	Lockwasher, Lead Sc., #8
12X-196	10	Lockwasher, Head & Cover Screw, #10
12X-199	1	Lockwasher, Brg. Retaining Screw, 1/4
12X-305	4	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler
X-1528	1	BEARING, BALL, SHIELDED, S.A.E. #205

Armature Assembly & Parts Used With

GBG-49	2	Spacer, Armature Shaft
GBG-81	1	Snap Ring
GDJ-2065F	1	ARMATURE
*	1	Pulley, Drive
SP-443	1	Fan, Ventilating
8X-158	1	Nut, Shaft, D.E., Hex. 1/2-20
12X-198	1	Lockwasher, Shaft, D.E., 1/2
X-261	1	Key, Woodruff, Fan, #6
X-263	1	Key, Woodruff, Pulley, #8
8X-358	1	Washer, Shaft, D.E., Plain 1/2

Drive End Head Assembly & Parts Used With

GDJ-1073	1	Head Assy., Drive End
GBG-50	1	Gasket, Brg. Retainer
GBG-57	1	Retainer, Felt Washer
GBG-58	1	Washer, Felt
GBG-1056	1	Retainer Assy., Bearing
GBG-56	1	Retainer, Bearing
GBG-57	1	Retainer, Felt Washer
GBG-58	1	Washer, Felt
GDJ-73	1	Head, Drive End
8X-119	4	Screw, Brg. Retainer Fill. Hd. #10-32x1/2
12X-196	4	Lockwasher, Brg. Retaining Screw, #10
X-444	1	BEARING, BALL, S.A.E. #305
8X-118	6	Screw, D.E. Head, Fill. Hd. #10-32x3/4
12X-196	6	Lockwasher, Head Sc., #10
X-394	1	Oiler

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

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(Cont. on Reverse Side)

GDJ-4808, A, A-1, B, S GENERATOR PARTS LIST (Cont.)

Miscellaneous Parts

Part No.	No. Used	Name of Part
GBG-24B	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

NOTE:* CURRENT VOLTAGE REGULATOR is used with but is not a part of this generator.

* See table following parts list for part number applying to assembly wanted.

ASSEMBLY NO.	PULLEY	REGULATOR
GDJ-4808	None	VRH-4104A-1
GDJ-4808A	SP-270	VRH-4104A-1
GDJ-4808A-1	SP-270	VRH-4104A-1
GDJ-4808B	SP-893	VRH-4104F-1
GDJ-4808S	None	VRH-4104A-1

UNIT	APPLICATION
GDJ-4808, A, B	Chrys. Ind., Dodge (Tr.)
GDJ-4808A-1	McGraw Electric Co.
GDJ-4808S	Willys

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GDJ-2125)	1	Frame & Field Assy.
GBG-22	1	Stud, Field Term., #10-32
GBG-23	1	Stud, Arm. Term., 5/16-24
GBG-27	1	Lead Assembly
GBG-121	1	Terminal, 2 Wire
X-1425	2	Terminal
GBG-30	1	Insulation, Field Connection
GBG-38	8	Screw, Pole Shoe
GBW-34	2	Washer, Ins., Field Term.
GCY-31	1	Bushing, Ins., Field Term.
GCY-32	1	Bushing, Ins., Arm. Term.
GDJ-66	1	Insulation, Term. Stud, Inner
GDJ-67	1	Insulation, Term. Stud, Inner
GDJ-68	1	Insulation, Field Term.,Inner
GDJ-1005	1	COIL ASSY., FIELD, COMPLETE
GDJ-1007	1	Coil Assy., Field, U.L.
X-1425	1	Terminal
GDJ-1008	1	Coil, Field, L.L.
GDJ-1009	1	Coil, Field, L.R.
GDJ-1010	1	Coil Assy., Field, U.R.
GBG-26	1	Terminal
MU-32	2	Washer, Ins., Arm. Term.
MU-37	1	Washer, Plain, Arm. Term., 5/16
8X-183A	1	Washer, Plain, Field Term., #10
X-196	2	Lockwasher, Field Term., #10
X-1014	2	Lockwasher, Arm. Term., 5/16
8X-1059	1	Nut, Arm. Term., Hex. 5/16-24
8X-1376	2	Nut, Arm. Term., Hex. 5/16-24
8X-1377	3	Nut, Field Term., Hex. #10-32
X-196	1	Lockwasher, Grd. Screw, #10
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

DA-60	1	Screw, Bearing Retaining
GBG-66	1	Washer, Bearing Retaining Sc.
GCE-40	2	Washer, Felt Retaining
GDJ-23	1	Washer, Spring
GDJ-24	1	Washer, Felt
GDJ-27	1	Gasket, C.E. Cover
GDJ-63A	1	Cover, Comm. End
GDJ-2064	1	Head Assy., Comm. End

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
GBY-34	4	Arm, Brush
GCE-53	4	Spring, Brush
GDJ-1012†	4	Brush
8X-118	6	Screw, C.E. Head, Fill. Hd. #10-32x3/4
8X-119	4	Screw, Cover, Fill. Hd. #10-32x1/2
X-195	4	Lockwasher, Brush Lead Screw, #8
X-196	10	Lockwasher, Head & Cover Sc., #10
X-199	1	Lockwasher, Brg. Retaining Screw, 1/4
8X-305	4	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler
X-1528	1	BEARING, BALL, SHIELDED, S.A.E. #205

Armature Assembly & Parts Used With

GBG-49	2	Spacer, Armature Shaft
GDJ-2062F	1	ARMATURE
*	1	Pulley, Drive
X-1134	1	Washer, Plain, Arm. Shaft, D.E.
X-1177	1	Washer, Skpf., Arm. Shaft, D.E.
X-1178	1	Nut, Arm. Shaft, D.E.

Drive End Head Assembly & Parts Used With

GDJ-1061	1	Head Assy., Drive End
GBG-50	1	Gasket, Brg. Retainer
GBG-57	1	Retainer, Felt Washer
GBG-58	1	Washer, Felt
GBG-1056	1	Retainer Assy., Bearing
GBG-56	1	Retainer, Bearing
GBG-57	1	Retainer, Felt Washer
GBG-58	1	Washer, Felt
GDJ-61	1	Head, Drive End
8X-119	4	Screw, Brg. Retainer, Fill. Hd. #10-32x1/2
X-196	4	Lockwasher, Retainer Screw, #10
X-444	1	BEARING, BALL, S.A.E. #305
8X-118	6	Screw, D.E. Head, Fill. Hd. #10-32x3/4
X-196	6	Lockwasher, Head Sc., #10
X-394	1	Oiler

(Continued on Reverse Side)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Miscellaneous Parts

GBG-24B	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

Assembly No.	Pulley
GDJ-4809A	SP-461
GDJ-4809AP	SP-461
GDJ-4809B	SP-463

† BRUSH SET, SERVICE GDJ-2012S.

* See table following parts list for part number applying to assembly wanted.

NOTE: VRH-4102A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GDJ-4809A	White
GDJ-4809AP	Southern Coach
GDJ-4809B	White, Climax

(Issued 10-11-49)

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GBG-113	1	Bracket, Mounting, Upper
GBG-114	1	Bracket, Mounting, Lower
(GDJ-3112)	1	Frame & Field Assy.
GBG-22	1	Stud, Field Term., #10-32
GBG-23	1	Stud, Arm. Term., 5/16-24
GBG-30	1	Insulation, Field Connection
GBG-38	8	Screw, Pole Shoe
GBG-59	1	Lead Assembly
GBG-121	1	Terminal, 2 Wire
X-1425	2	Terminal
GBW-34	1	Washer, Ins., Field Term.
GCY-31	1	Bushing, Ins., Field Term.
GCY-32	1	Bushing, Ins., Arm. Term.
GDJ-66	1	Insulation, Term. Stud, Inner
GDJ-67	1	Insulation, Term. Stud, Inner
GDJ-68	1	Insulation, Field Term., Inner
GDJ-1005	1	COIL ASSY., FIELD, COMP.
GDJ-1007	1	Coil Assy., Field, U.L.
X-1425	1	Terminal
GDJ-1008	1	Coil, Field, L.L.
GDJ-1009	1	Coil, Field, L.R.
GDJ-1010	1	Coil Assy., Field, U.R.
GBG-26	1	Terminal
MU-32	2	Washer, Ins., Arm. Term.
MU-37	1	Washer, Arm. Term., Plain 5/16
8X-183A	1	Washer, Field Term., Plain #10
12X-196	2	Lockwasher, Field Term., #10
12X-1014	2	Lockwasher, Field Term., #10
8X-1059	1	Nut, Arm. Term., Inner, Hex. 5/16-24
8X-1376	2	Nut, Arm. Term., Outer, Hex. 5/16-24
8X-1377	3	Nut, Field Term., Hex. #10-32
12X-196	1	Lockwasher, Ground Screw, #10
8X-321	1	Screw, Ground Rd. Hd. #10-32x5/16
8X-1579	8	Screw, Bracket, Flat Hd. 5/16-24x5/8

Comm. End Head Assembly & Parts Used With

DA-60	1	Screw, Bearing Retaining
GBG-66	1	Washer, Bearing Retaining
GCE-40	1	Washer, Felt Retaining
GDJ-23	1	Washer, Spring
GDJ-24	1	Washer, Felt
GDJ-27	1	Gasket, C.E. Cover
GDJ-63A	1	Cover, Comm. End

Comm. End Head Assy. (Continued)

Part No.	No. Used	Name of Part
GDJ-3078	1	Head Assy., Comm. End
GBY-34	4	Arm, Brush
GCE-53	4	Spring, Brush
GDJ-1012 †	4	Brush
8X-118	6	Screw, C.E. Head, Fill. Hd. #10-32x3/4
8X-119	4	Screw, Cover, Fill. Hd. #10-32x1/2
12X-195	4	Lockwasher, Brush Lead Sc., #8
12X-196	10	Lockwasher, Head Screw & Cover Screw, #10
12X-199	1	Lockwasher, Brg. Retaining Sc., 1/4
8X-305	4	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler
X-1528	1	BEARING, BALL, SHIELDED, S.A.E. #205

Armature Assembly & Parts Used With

GBG-49	2	Spacer, Armature Shaft
GBG-81	1	Snap Ring
GDJ-2065F	1	ARMATURE
SP-227A	1	Fan, Ventilating
SP-270A	1	Pulley, Drive
X-158	1	Nut, Shaft, D.E., Hex. 1/2-20
12X-198	1	Lockwasher, Shaft, D.E. 1/2
X-261	1	Key, Woodruff, Fan, #6
X-263	1	Key, Woodruff, Pulley, #8
X-358	1	Washer Shaft, D.E., Plain 1/2

Drive End Head Assy. & Parts Used With

GBG-1115	1	Head Assy., Drive End
GBG-50	1	Gasket, Bearing Retainer
GBG-57	1	Retainer, Felt Washer Outer
GBG-58	1	Washer, Felt, Outer
GBG-115	1	Head
GBG-1056	1	Retainer Assy., Bearing
GBG-56	1	Retainer, Bearing
GBG-57	1	Retainer, Felt Washer
GBG-58	1	Washer, Felt
8X-119	4	Screw, Brg. Retainer, Fill. Hd. #10-32x1/2
X-196	4	Lockwasher, Retainer Sc., #10
X-444	1	BEARING, BALL, S.A.E. #305
8X-118	6	Screw, D.E. Head, Fill. Hd. #10-32x3/4
12X-196	6	Lockwasher, Head Screw, #10
X-489	1	Oiler

(Continued on Reverse Side)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GDJ-4811A GENERATOR PARTS (Continued)

Miscellaneous Parts

GBG-24B	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GDJ-2012S.

NOTE: VRH-4101A CURRENT VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GDJ-4811A	Crown Body

(Issued 6-3-49)

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

Frame & Field Assembly & Parts Used With

Part No.	No. Part	Name of Part
GDJ-2153	1	Frame & Field Assy.
GBG-22	1	Stud, Field Term., #10-32
GBG-23	1	Stud, Arm. Term., 5/16-24
GBG-27	1	Lead Assembly
GBG-121	1	Terminal, 2 Wire
X-1425	2	Terminal
GBG-30	1	Insulation, Field Connection
GBG-38	8	Screw, Pole Shoe
GBW-34	2	Washer, Ins., Field Term., Outer
GCY-31	1	Bushing, Ins., Field Term.
GCY-32	1	Bushing, Ins., Arm. Term.
GDJ-66	1	Insulation, Term. Stud, Inner
GDJ-67	1	Insulation, Term. Stud, Inner
GDJ-68	1	Insulation, Field Term., Inner
GDJ-1005	1	COIL ASSY., FIELD, COMPLETE
GDJ-1007	1	Coil Assy., Field, U.L.
X-1425	1	Terminal
GDJ-1008	1	Coil, Field, L.L.
GDJ-1009	1	Coil, Field, L.R.
GDJ-1010	1	Coil Assy., Field, U.R.
GBG-26	1	Terminal
MU-32	2	Washer, Ins., Arm. Term., Outer
MU-37	1	Washer, Plain, Arm. Term., 5/16
8X-183A	1	Washer, Plain, Field Term., #10
12X-196	2	Lockwasher, Field Term., #10
12X-1014	2	Lockwasher, Arm. Term., 5/16
8X-1059	1	Nut, Arm. Term., Inner, Hex. 5/16-24
8X-1376	2	Nut, Arm. Term., Outer, Hex. 5/16-24
8X-1377	3	Nut, Field Term., Hex. #10-32
12X-196	1	Lockwasher, Ground Sc., #10
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

DA-60	1	Screw, Brg. Retaining
GBG-66	1	Washer, Brg. Retaining
GCE-40	2	Washer, Felt Retaining
GDJ-23	1	Washer, Spring
GDJ-24	1	Washer, Felt
GDJ-27	1	Gasket, C.E. Cover

Comm. End Head Assembly (Cont.)

Part No.	No. Used	Name of Part
GDJ-63A	1	Cover, Comm. End
GDJ-2012S	1	BRUSH SET, SERVICE
GDJ-2107S	1	Head Assy., Comm. End
GBY-34	4	Arm, Brush
GCE-53	4	Spring, Brush
8X-118	6	Screw, C.E. Head, Fill. Hd. #10-32x3/4
8X-119	4	Screw, C.E. Cover, Fill. Hd. #10-32x1/2
12X-195	4	Lockwasher, Lead Sc., #8
12X-196	10	Lockwasher, Head & Cover Sc., #10
12X-199	1	Lockwasher, Brg. Retaining Sc., 1/4
8X-305	4	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-1715	1	BEARING, BALL, SHIELDED S.A.E. #205

Armature Assembly & Parts Used With

GBC-78	1	Snap Ring
GBG-49	2	Spacer, Shaft, C.E. & D.E.
GBG-110	1	Spacer, Shaft, D.E. Outer
GDJ-105	1	Nut, Shaft, D.E.
GDJ-2106F	1	ARMATURE
*	1	Pulley, Drive
X-266	1	Key, Woodruff, #A
X-1529	1	Pin, Cotter, 1/8x1 1/2

Drive End Head Assembly & Parts Used With

GFR-1054A	1	Head Assy., Drive End
GBG-50	1	Gasket, Brg. Retainer
GBG-57	1	Retainer, Felt Washer
GBG-58	1	Washer, Felt, Outer
GBG-1056	1	Retainer Assy., Bearing
GBG-56	1	Retainer, Bearing
GBG-57	1	Retainer, Felt Washer
GBG-58	1	Washer, Felt
GFR-54	1	Head, Drive End
8X-119	4	Screw, Brg. Retainer Fill. Hd., #10-32x1/2
X-196	4	Lockwasher, Brg. Retainer, #10
X-1699	1	BEARING, BALL, SHIELDED S.A.E. #305
8X-1713	6	Screw, D.E. Head, Flat Hd. #10-32x1

(Continued on Reverse Side)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GDJ-4820A,B GENERATOR PARTS (Cont.)

Miscellaneous Parts

Part No.	No. Used	Name of Part
GBG-24B	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

NOTE: VRH-4104F-1 CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

* See table following parts list for part number applying to assembly wanted.

Assembly No.	Pulley
GDJ-4820A	SP-695 (Fan)
GDJ-4820B	PU-66

UNIT	APPLICATION
GDJ-4820A	Hall Scott, Kenworth
GDJ-4820B	Kenworth

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking su -parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GDJ-195‡	1	Bracket, Gen. Mtg.
(GDJ-2125)	1	Frame & Field Assy.
GBG-22	1	Stud, Field Term. #10-32
GBG-23	1	Stud, Arm. Term. 5/16-24
GBG-27	1	Lead Assy.
GBG-121	1	Terminal, 2 Wire
X-1425	2	Terminal
GBG-30	1	Insulation, Field Connection
GBG-38	8	Screw, Pole Shoe
GBW-34	2	Washer, Ins., Field Term.
GCY-31	1	Bushing, Ins., Field Term.
GCY-32	1	Bushing, Ins., Arm. Term.
GDJ-66	1	Insulation, Term. Stud Inner
GDJ-67	1	Insulation, Term. Stud Inner
GDJ-68	1	Insulation, Term. Stud
GDJ-1005	1	Coil Assy., Field, Comp.
GDJ-1007	1	Coil Assy., Field, U.L.
X-1425	1	Terminal
GDJ-1008	1	Coil, Field, L.L.
GDJ-1009	1	Coil, Field, L.R.
GDJ-1010	1	Coil Assy., Field, U.R.
GBG-26	1	Terminal
MU-32	2	Washer, Ins.,"A" Term.
MU-37	1	Washer, Plain "A" Term. 5/16
8X-183A	1	Washer, Plain "F" Term.#10
X-196	2	Lockwasher, "F" Term. #10
X-1014	2	Lockwasher, "A" Term. 5/16
8X-1059	1	Nut, "A" Term. Hex. 5/16-24
8X-1376	2	Nut, "A" Term. Hex. 5/16-24
8X-1377	3	Nut, "F" Term. Hex.#10-32
8X-150‡	2	Nut, Gen. Mtg. Bracket, Hex. Hd. 1/2-13x1 1/2
12X-196	1	Lockwasher, Ground Sc., #10
8X-321	1	Screw, Ground, Rd. Hd. #10-32 x5/16
12X-1026‡	2	Lockwasher, Mtg. Bracket Sc. 1/2
8X-2967	2	Screw, Mtg. Bracket 1/2-13x 1 1/2

Comm. End Head Assembly & Parts Used With

DA-60	1	Screw, Bearing Ret'g.
GBG-66	1	Washer, Bearing Ret'g.
GCE-40	1	Washer, Felt Ret'g.
GDJ-23	1	Washer, Spring
GDJ-24	1	Washer, Felt
GDJ-27	1	Gasket, C.E. Cover
GDJ-63A	1	Cover, Comm. End
GDJ-2064F	1	Head Assy., Comm. End
GBY-34	4	Arm, Brush
GCE-53	4	Spring, Brush
GDJ-1012†	4	Brush
8X-118	6	Screw, C.E. Head, Fil. Hd. #10-32x3/4
8X-119	4	Screw, Cover, Fil. Hd., #10-32x 1/2
		1 2 3 4 5

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
12X-195	4	Lockwasher, Br. Lead Sc., #8
12X-196	10	Lockwasher, Cover Screw, & Head Screw, #10
12X-199	1	Lockwasher, Brg. Ret'g. Sc., 1/4
8X-305	4	Screw, Br. Lead, Rd. Hd. #8-32x 1/4
X-489	1	Oiler, Hinge Top, Press in, 1/4
X-1528	1	Bearing, Ball, Shielded, S.A.E.#205

Armature Assembly & Parts Used With

GBG-49	2	Spacer, Armature Shaft
GDJ-2062F	1	Armature
SP-715	1	Pulley, Drive
X-1134	1	Washer, Shaft, Plain 5/8
X-1177	1	Washer, Skpf., 5/8
X-1178	1	Nut, Shaft, Hex. 5/8-18

Drive End Head Assembly & Parts Used With

GDJ-1119	1	Head Assy., Drive End
GBG-50	1	Gasket, Bearing Retainer
GBG-57	1	Retainer, Felt Washer
GBG-58	1	Washer, Felt
GBG-1056	1	Retainer Assy., Brg.
GBG-56	1	Retainer, Bearing
GBG-57	1	Retainer, Felt Washer
GBG-58	1	Washer, Felt
GDJ-119	1	Head, Drive End
8X-119	4	Screw, Brg. Retainer Fil. Hd., #10-32x1/2
X-196	4	Washer, Lock, Retainer Sc., #10
X-1699	1	Bearing, Ball, S.A.E. #305
GT-124	1	Wick, Felt
8X-118	6	Screw, D.E. Head, Fil. Hd. #10-32x3/4
X-489	1	Oiler, Hinge Top, Press in 1/4
12X-544	6	Lockwasher, D.E. Head Sc., #10

Miscellaneous Parts

GBG-24B	1	Band, Cover
8X-715	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/4
8X-794	1	Nut, Cover Band, Square #10-32
		1 2 3 4 5

† Brush Set, Service GDJ-2012S.

‡ Used on GDJ-4822C only.

NOTE:- VRH-4102A Current-Voltage Regulator used on GDJ-4822A and VRH-4102B used on GDJ-4822C.

Unit	Application
GDJ-4822A	Brockway, Continental, Ward LaFrance
GDJ-4822C	Diamond T

(Issued 10-24-46)

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File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GDJ-4828 GENERATOR PARTS LIST GDJ-4828

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GDJ-2070)	1	Frame & Field Assy.
GBF-55	1	Washer, Ins., Field Term., Outer
GBG-22	1	Stud, Field Term., #10-32
GBG-23	1	Stud, Arm. Term., 5/16-24
GBG-27	1	Lead Assembly
GBG-121	1	Terminal, 2 Wire
X-1425	2	Terminal
GBG-28	1	Insulation, Term. Stud, Inner
GBG-30	1	Insulation, Field Conn.
GBG-38	8	Screw, Pole Shoe
GBG-62	1	Insulation, Term. Stud, Inner
GCY-27	1	Bushing, Ins., Field Term.
GCY-28	1	Bushing, Ins., Arm. Term.
GDJ-68	1	Insulation, Field Term., Inner
GDJ-1005	1	COIL ASSY., FIELD, COMP.
GDJ-1007	1	Coil Assy., Field, U.L.
X-1425	1	Terminal
GDJ-1008	1	Coil, Field, L.L.
GDJ-1009	1	Coil, Field, L.R.
GDJ-1010	1	Coil Assy., Field, U.R.
GBG-26	1	Terminal
MU-36	1	Washer, Ins., Arm. Term., Outer
MU-37	1	Washer, Plain, Arm. Term., 5/16
8X-183A	1	Washer, Plain, Field Term., #10
X-196	2	Lockwasher, Field Term., #10
X-1014	2	Lockwasher, Arm. Term., 5/16
8X-1376	2	Nut, Arm. Term., Hex., 5/16-24
8X-1377	2	Nut, Field Term., Hex., #10-32
12X-196	1	Lockwasher, Grd. Sc., #10
8X-321	1	Screw, Grd., Rd. Hd., #10-32x5/16

Comm. End Head Assembly & Parts Used With

GCE-40	2	Washer, Felt Retaining
GDJ-23	1	Washer, Spring
GDJ-24	1	Washer, Felt
GDJ-27	1	Gasket, C.E. Cover
GDJ-1025	1	Retainer Assy., Bearing
GBG-57	1	Retainer, Felt Washer
GBG-58	1	Washer, Felt
GDJ-25	1	Retainer, Bearing
GDJ-2102A	1	Head Assy., Comm. End
GBY-34	4	Arm, Brush
GCE-53	4	Spring, Brush
GDJ-1012†	4	Brush
SA-31	1	Wick, Felt

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
8X-118	6	Screw, Attaching, C.E. Head, Fil. Hd. #10-32x3/4
8X-119	4	Screw, Attaching, Cover, Fil. Hd., #10-32x1/2
12X-195	4	Lockwasher, Br. Lead, #8
12X-196	4	Lockwasher, Cover Sc., #10
8X-305	4	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-479	1	Oiler, Sleeve, 5/16-32
12X-544	6	Lockwasher, C.E. Head Screw, #10
X-1528	1	BEARING, BALL, SHIELDED S.A.E. #205

Armature Assembly & Parts Used With

GBG-49	1	Spacer, Armature Shaft
GBG-77	1	Washer, Plain, Arm. Shaft C.E.
GBM-21B	1	Nut, Armature Shaft
GDJ-39	1	Spacer, Shaft
GDJ-1047	1	Oil Thrower
GDJ-2006F	1	ARMATURE
SP-223	1	Fan, Ventilating
X-261	1	Key, Woodruff, #6
X-263	1	Key, Woodruff, #8
12X-864	1	Lockwasher, Arm. Shaft, C.E.
X-1134	1	Washer, Plain, Arm. Shaft, D.E., 5/8
X-1177	1	Washer, Skpf., Arm. Shaft, D.E. 5/8
X-1178	1	Nut, Arm. Shaft, Hex., 5/8-18

Drive End Head Assembly & Parts Used With

GDJ-1003	1	Head Assy., Drive End
GBG-50	1	Gasket, Brg. Retainer
GBG-1056	1	Retainer Assy., Bearing
GBG-56	1	Retainer, Bearing
GBG-57	1	Retainer, Felt Washer
GBG-58	1	Washer, Felt
GDJ-3	1	Head
GDJ-45	1	Spacer
8X-119	4	Screw, Fil. Hd., #10-32x1/2
X-196	4	Lockwasher, Retainer Sc. #10
X-440	1	BEARING, BALL, SHIELDED S.A.E. #305
12X-199	6	Lockwasher, D.E. Head Sc., 1/4
8X-456	6	Screw, Attaching, D.E. Head, Hex. Hd., 1/4-28x1

Miscellaneous Parts

GBG-24B	1	Band, Cover
X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Sq., #10-32

(Continued on Reverse Side)

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GDJ-4828 GENERATOR PARTS LIST (Con't.)

†BRUSH SET, SERVICE GDJ-2012S.

NOTE: VRH-4101A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this Generator.

UNIT	APPLICATION
GDJ-4828	Climax

(Issued 8-24-48)

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Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GDJ-2168)	1	Frame & Field Assy.
GBG-22	1	Stud, Field Term., #10-32
GBG-23	1	Stud, Arm. Term., 5/16-24
GBG-27	1	Lead Assy.
GBG-121	1	Terminal, 2 Wire
X-1425	2	Terminal
GBG-30	1	Insulation, Field Connection
GBG-38	8	Screw, Pole Shoe
GBW-34	2	Washer, Ins., Field Term.
GCY-31	1	Bushing, Ins., Field Term.
GCY-32	1	Bushing, Ins., Arm. Term.
GDJ-66	1	Insulation, Term. Stud, Inner
GDJ-67	1	Insulation, Term. Stud, Inner
GDJ-68	1	Insulation, Field Term., Inner
GDJ-1005	1	COIL ASSY., FIELD, COMP.
GDJ-1007	1	Coil Assy., Field, U.L.
X-1425	1	Terminal
GDJ-1008	1	Coil, Field, L.L.
GDJ-1009	1	Coil, Field, L.R.
GDJ-1010	1	Coil Assy., Field, U.R.
GBG-26	1	Terminal
MU-32	2	Washer, Ins., Arm. Term.
MU-37	1	Washer, Plain, Arm. Term., 5/16
8X-183A	1	Washer, Plain, Field Term., #10
12X-196	2	Lockwasher, Field Term., #10
12X-1014	2	Lockwasher, Arm. Term., 5/16
8X-1059	1	Nut, Arm. Term., Inner, Hex., 5/16-24
8X-1376	2	Nut, Arm. Term., Outer, Hex., 5/16-24
8X-1377	3	Nut, Field Term., Hex., #10-32
12X-196	1	Lockwasher, Ground Sc., #10
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

DA-60	1	Screw, Bearing, Retaining
GBG-66	1	Washer, Bearing, Retaining
GCE-40	2	Washer, Felt Retaining
GDJ-23	1	Washer, Spring
GDJ-24	1	Washer, Felt
GDJ-27	1	Gasket, C.E. Cover
GDJ-63A	1	Cover, Comm. End
GDJ-2064E	1	Head Assy., Comm. End
GBY-34	4	Arm, Brush
GCE-53	4	Spring, Brush
GDJ-1012†	4	Brush
8X-118	6	Screw, C.E. Head, Fil. Hd. #10-32x3/4
		1 2 3 4 5

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
8X-119	4	Screw, Cover, Fil. Hd. #10-32x1/2
12X-195	4	Lockwasher, Brush Lead Sc., #8
12X-196	10	Lockwasher, Cover Screw & C.E. Head Screw, #10
12X-199	1	Lockwasher, Brg. Retaining Sc., 1/4
8X-305	4	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler, Hinge Top, Press in, 1/4
X-1528	1	BEARING, BALL, SHIELDED, S.A.E. #205

Armature Assembly & Parts Used With

GBG-49	2	Spacer, Armature Shaft
GDJ-2062F	1	ARMATURE
*	1	Pulley, Drive
X-1134	1	Washer, Shaft, Plain 5/8
X-1177	1	Washer, Shaft, Skpf. 5/8
X-1178	1	Nut, Shaft, Hex. 5/8-18

Drive End Head Assembly & Parts Used With

GDJ-1119	1	Head Assy., Drive End
GBG-50	1	Gasket, Bearing Retainer
GBG-57	1	Retainer, Felt Washer
GBG-58	1	Washer, Felt
GBG-1056	1	Retainer Assy., Bearing
GBG-56	1	Retainer, Bearing
GBG-57	1	Retainer, Felt Washer
GBG-58	1	Washer, Felt
GDJ-119	1	Head, Drive End
8X-119	4	Screw, Bearing Retainer, Fil. Hd., #10-32x1/2
X-196	4	Washer, Lock, Retainer Sc., #10
X-1699	1	BEARING, BALL, S.A.E. #305
GT-124	1	Wick, Felt
8X-118	6	Screw, D.E. Head, Fil. Hd. #10-32x3/4
X-489	1	Oiler, Hinge Top, Press in, 1/4
12X-544	6	Lockwasher, D.E. Hd. Sc., #10

Miscellaneous Parts

GBG-24A	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32
		1 2 3 4 5

† BRUSH SET, Service GDJ-2012S.

* See table following parts list for part number applying to assembly wanted.

NOTE:- VRH-4102A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

(See Reverse Side)

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Assembly No.	Pulley Drive
GDJ-4829A	SP-752
GDJ-4829B	SP-754

Unit	Application
GDJ-4829A	Brockway
GDJ-4829B	Brockway

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GDJ-2169A)	1	Frame & Field Assy.
GBG-27A	1	Lead Assy.
GBG-121A	1	Terminal 2 Wire
X-1425	2	Terminal
GBG-30B	1	Insulation. Field Connection
GBG-38	8	Screw, Pole Shoe
GCY-28A	1	Bushing, Ins., Arm. Term.
GDJ-54	1	Stud, Arm. Term., 5/16-24
GDJ-1005C	1	Coil Assy., Field, Complete
GDJ-1007A	1	Coil Assy., Field, U.L.
X-1425	1	Terminal
GDJ-1008B	1	Coil, Field, L.L.
GDJ-1009B	1	Coil, Field, L.R.
GDJ-1010C	1	Coil Assy., Field, U.R.
GDJ-53	1	Stud, Field Term., 1/4-28
GDW-44	1	Washer, Ins., Field Term.
GDW-45	1	Insulation, Term. Stud, Inner
GDW-46	1	Insulation, Term. Stud, Inner
GFL-23	1	Bushing, Ins., Field Term.
MU-36A	1	Washer, Ins., Arm. Term.
MU-37G	1	Washer, Arm. Term., Plain 5/16
X-180	2	Nut, Arm. Term., Hex. 5/16-24
8X-187	1	Washer, Field Term., Plain #14
12X-199	2	Lockwasher, Field Term., 1/4
12X-1014	2	Lockwasher, Arm. Term., 5/16
X-2903	2	Nut, Field Term., Hex. 1/4-28
X-20	1	Screw, Ground, Rd. Hd., #10-32x5/16
12X-196	1	Lockwasher, Ground Screw, #10

Comm. End Head Assembly & Parts Used With

GCE-40A	2	Washer, Felt Retaining
GDJ-23A	1	Washer, Spring
GDJ-24	1	Washer, Felt
GDJ-27	1	Gasket, C.E. Cover
GDJ-1025A	1	Retainer Assy., Bearing
GBG-57A	1	Retainer, Felt Washer
GBG-58	1	Washer, Felt
GDJ-25A	1	Retainer, Bearing
GDJ-2030C	1	Head Assy., Comm. End
GBY-34A	4	Arm, Brush
GCE-53A	4	Spring, Brush
GDJ-1012†	4	Brush
X-10	4	Screw, Brush Lead, Rd. Hd. #8-32x1/4
19X-118	6	Screw, C.E. Head, Fil. Hd. #10-32x3/4
		1 2 3 4 5

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
12X-195	4	Lockwasher, Brush Lead Sc., #8
12X-196	10	Lockwasher, C.E. Cover & Head Sc., #10
X-489A	1	Oiler, Hinge Top, Press in, 1/4
X-1715	1	BEARING, BALL SHIELDED, S.A.E. #205
X-2856	4	Screw, C.E. Cover, Fill. Hd. #10-32x1/2

Armature Assembly & Parts Used With

GBG-49A	3	Spacer, Armature Shaft
GBG-77A	1	Washer, Arm.Shaft, C.E.
GBM-21B	1	Nut, Shaft, Hex. .669-20
GDJ-2138FM	1	ARMATURE
*	1	Pulley, Drive, C.E.
*	1	Pulley, Drive, D.E.
X-261	1	Key, Woodruff, C.E., #6
12X-864	1	Lockwasher, Shaft, C.E.
19X-1134	1	Washer, Shaft, D.E., Plain 5/8
X-1177	1	Washer, Shaft, D.E. Skpf. 5/8
19X-1178	1	Nut, Shaft, D.E., Hex. 5/8-18

Drive End Head Assembly & Parts Used With

GDJ-1168A	1	Head Assy., Drive End
GBG-50	1	Gasket, Bearing Retainer
GBG-57A	1	Retainer, Felt Washer
GBG-58	1	Washer, Felt
GBG-1056E	1	Retainer Assy., Bearing
GBG-56B	1	Retainer, Bearing
GBG-57A	1	Retainer, Felt Washer
GBG-58	1	Washer, Felt
GDJ-168A	1	Head
12X-196	4	Lockwasher, Retainer Sc., #10
X-444	1	BEARING, BALL, S.A.E. #305
X-2856	4	Screw, Bearing Retainer, Fill. Hd. #10-32x1/2
19X-118	6	Screw, D.E. Head, Fill. Hd. #10-32x3/4
X-489A	1	Oiler, Hinge Top, Press in 1/4
12X-544	6	Lockwasher, D.E. Head Sc., #10

Miscellaneous Parts

GBG-24J	1	Band, Cover
X-2873	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/4
X-2875	1	Nut, Cover Band, Square #10-32
		1 2 3 4 5

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(Continued on Page 2)

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GDJ-4832AM,MS (Continued)

Assembly No.	C.E. Pulley	D.E. Pulley
GDJ-4832AM	SP-779A	SP-783A
GDJ-4832MS	None	None

* See table following parts list for part number applying to assembly wanted.

† BRUSH SET, SERVICE GDJ-2012S.

NOTE: - VRH-4107B-1M CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	Application
GDJ-4832AM,MS	Chrysler Industrial

(Issued 1-21-48)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GDJ-4833 GENERATOR PARTS LIST

GDJ-4833
(Issued 3-28-51)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GDJ-2180)	1	Frame & Field Assy.
GBF-55	1	Washer, Ins., Field Term., Outer
GBG-22	1	Stud, Field Term., #10-32
GBG-23	1	Stud, Arm. Term., 5/16-24
GBG-27	1	Lead Assy.
GBG-121	1	Terminal, 2 Wire
X-1425	2	Terminal
GBG-28	1	Insulation, Term. Stud, Inner
GBG-30	1	Insulation, Field Connection
GBG-38	8	Screw, Pole Shoe
GBG-62	1	Insulation, Term. Stud, Inner
GBG-107S	1	Bracket, Mounting
GCY-27	1	Bushing, Ins., Field Term.
GCY-28	1	Bushing, Ins., Arm. Term.
GDJ-68	1	Insulation, Field Term., Inner
GDJ-1005	1	COIL ASSY., FIELD, COMPLETE
GDJ-1007	1	Coil Assy., Field, U.L.
X-1425	1	Terminal
GDJ-1008	1	Coil, Field, L.L.
GDJ-1009	1	Coil, Field, L.R.
GDJ-1010	1	Coil Assy., Field, U.R.
GBG-26	1	Terminal
MU-36	1	Washer, Ins., Arm. Term., Outer
MU-37	1	Washer, Plain, Arm. Term. 5/16
8X-183A	1	Washer, Plain, Field Term., #10
12X-196	2	Lockwasher, Field Term., #10
X-201	4	Lockwasher, Mtg. Bracket, 3/8
X-465	4	Screw, Mtg. Bracket, Hex. Hd. 3/8-24x3/4
12X-1014	2	Lockwasher, Arm. Term., 5/16
8X-1376	2	Nut, Arm. Term., Hex. 5/16-24
8X-1377	2	Nut, Field Term., Hex. #10-32
12X-196	1	Washer, Lock, Grd. Sc., #10
8X-321	1	Screw, Grd. Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

Part No.	No. Used	Name of Part
GCE-40	2	Washer, Felt Retaining
GDJ-23	1	Washer, Spring
GDJ-24	1	Washer, Felt
GDJ-27	1	Gasket, C.E. Cover
GDJ-1025	1	Retainer Assy., Bearing
GBG-57	1	Retainer, Felt Washer
GBG-58	1	Washer, Felt
GDJ-25	1	Retainer, Bearing
GDJ-2102A	1	Head Assy., Comm. End
GBY-34	4	Arm, Brush
GCE-53	4	Spring, Brush
GDJ-1012*	4	Brush
SA-31	1	Wick, Felt
8X-118	6	Screw, C.E. Head, Fill. Hd. #10-32x3/4
8X-119	4	Screw, Cover, Fill. Hd. #10-32x1/2
12X-195	4	Lockwasher, Brush Lead, #8
12X-196	10	Lockwasher, Head & Cover Screw, #10
8X-305	4	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-479	1	Oiler
X-1528	1	BEARING, BALL, SHIELDED, S.A.E. #205

Armature Assembly & Parts Used With

GBG-49	1	Spacer, Armature Shaft
GBG-77	1	Washer, Plain, Arm. Shaft, C.E.
GBM-21B	1	Nut, Arm. Shaft, C.E.
GDJ-181	1	Spacer, Armature Shaft
GDJ-185	1	Oil Thrower
GDJ-2179F	1	ARMATURE
SP-223	1	Fan, Ventilating
X-157	1	Nut, Shaft, D.E., Hex. 1/2-20
X-261	1	Key, Woodruff, #6
X-263	1	Key, Woodruff, #8
X-358	1	Washer, Plain, Arm. Shaft, 1/2
X-404	1	Pin, Cotter, 3/32x1
12X-864	1	Lockwasher, Arm. Shaft, C.E.

Drive End Head Assembly & Parts Used With

GDJ-1186	1	Head Assy., Drive End
GDJ-79	1	Washer, Felt
GDJ-182	1	Retainer, Felt Washer
GDJ-184	1	Retainer, Bearing
GDJ-186	1	Head, D.E.

(Continued on Reverse Side)

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Drive End Head Assembly & Parts (Cont'd.)

Part No.	No. Used	Name of Part
GFM-4F	4	Screw, Brg. Retainer, Fill. Hd. #10-32x5/8
X-444	1	BEARING, BALL, S.A.E. #305
X-537	4	Lockwasher, Retainer Screw, #10
8X-118	6	Screw, D.E. Head, Fill. Hd. #10-32x3/4
12X-196	6	Lockwasher Head Sc., #10

Miscellaneous Parts

GBG-24C	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

* BRUSH SET, SERVICE, GDJ-2012S.

NOTE: VRH-4104F-1 Current-Voltage Regulator is used with but is not a part of this generator.

UNIT	APPLICATION
GDJ-4833	Biederman Motors

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File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GDJ-4836 GENERATOR PARTS LIST GDJ-4836

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GDJ-2079)	1	Frame & Field Assy.
GBF-55	1	Washer, Ins., Field Term.
GBG-22	1	Stud, Field Term., #10-32
GBG-23	1	Stud, Arm. Term., 5/16-24
GBG-27	1	Lead Assy.
GBG-121	1	Terminal, 2 Wire
X-1425	2	Terminal
GBG-28	1	Insulation, Term. Stud
GBG-30	1	Insulation, Field Connection
GBG-38	8	Screw, Pole Shoe
GBG-62	1	Insulation, Term. Stud
GCY-27	1	Bushing, Ins., Field Term.
GCY-28	1	Bushing, Ins., Arm. Term.
GDJ-1005	1	Coil Assy., Field, Comp.
GDJ-1007	1	Coil Assy., Field, U.L.
X-1425	1	Terminal
GDJ-1008	1	Coil, Field, L.L.
GDJ-1009	1	Coil, Field, L.R.
GDJ-1010	1	Coil Assy., Field, U.R.
GBG-26	1	Terminal
MU-36	1	Washer, Ins. Arm. Term.
MU-37	1	Washer, Plain, Arm. Term.
8X-183A	1	Washer, Plain, Field Term., #10
12X-196	2	Lockwasher, Field Term., #10
12X-1014	2	Lockwasher, Arm. Term., 5/16
8X-1376	2	Nut, Arm., Term. Hex., 5/16-24
8X-1377	2	Nut, Field, Term. Hex., #10-32
12X-196	1	Lockwasher, Ground Screw, #10
8X-321	1	Screw, Ground, Rd. Hd., #10-32x5/16

Comm. End Head Assembly & Parts Used With

GCE-40	2	Washer, Felt Retainer
GDJ-23	1	Washer, Spring
GDJ-24	1	Washer, Felt
GDJ-27	1	Gasket, C.E. Cover
GDJ-1025	1	Retainer, Assy., Bearing
GBG-57	1	Retainer, Felt Washer
GBG-58	1	Washer, Felt
GDJ-25	1	Retainer, Bearing
GDJ-2102A	1	Head Assy., Comm. End
GBY-34	4	Arm, Brush
GCE-53	4	Spring, Brush
GDJ-1012†	4	Brush
SA-31	1	Felt Wick
8X-118	6	Screw, C.E. Head, Fil. Hd., #10-32x3/4
8X-119	4	Screw, Cover, Fil. Hd., #10-32x1/2
12X-195	3	Lockwasher, Brush Lead Sc., #8
		1 2 3 4 5

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
12X-196	4	Lockwasher, Cover Screw, #10
8X-305	3	Screw, Brush Lead, Rd. Hd., #8-32x1/4
X-479	1	Oiler, Sleeve, 5/16-32
12X-544	6	Lockwasher, C.E. Head Screw, #10
X-1528	1	Bearing, Ball, Shielded, S.A.E. #205

Armature Assembly & Parts Used With

DG-73	1	Arm. Shaft Spacer
GBG-49	2	Spacer, Arm. Shaft
GBG-77	1	Washer, Plain, Armature Shaft, C.E.
GBG-1072	1	Oil Thrower
GBM-21B	1	Nut, Shaft, Hex., .669-20
GDJ-2194F	1	Armature
SP-237	1	Fan, Ventilating
X-261	1	Key, Woodruff, #6
12X-864	1	Lockwasher, Shaft, C.E.

Drive End Head Assembly & Parts Used With

GBG-1088	1	Head Assy., Drive End
GBG-50	1	Gasket, Bearing Retainer
GBG-88	1	Head
GBG-1056	1	Retainer Assy., Bearing
GBG-56	1	Retainer, Bearing
GBG-57	1	Retainer, Felt Washer
GBG-58	1	Washer, Felt
8X-119	4	Screw, Fil. Hd., #10-32x1/2
X-196	4	Lockwasher, #10
X-440	1	Bearing, Ball, Shielded, S.A.E. #305
12X-199	5	Lockwasher, D.E. Head, 1/4
X-394	1	Oiler Sleeve, 1/2-20
8X-456	5	Screw, D.E. Head, Hex. Hd., 1/4-28x1

Miscellaneous Parts

GBG-24C	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd., #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square, #10-32
		1 2 3 4 5

† Brush Set, Service, GDJ-2012S.

NOTE:- VRA-4102A Current-Voltage Regulator is used with but is not a part of this generator.

Unit	Application
GDJ-4836	Ward LaFrance

(Issued 1-14-47)

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part 1 2 3 4 5
GBG-113	1	Bracket, Mounting, Upper
GBG-114	1	Bracket, Mounting, Lower
(GDJ-2118)	1	Frame & Field Assy.
GBF-55	1	Washer, Ins., Field Term., Outer
GBG-22	1	Stud, Field Term. #10-32
GBG-23	1	Stud, Arm. Term. 5/16-24
GBG-27	1	Lead Assy.
GBG-121	1	Terminal, 2, Wire
X-1425	2	Terminal
GBG-30	1	Insulation, Field Connection
GBG-38	8	Screw, Pole Shoe
GCY-27	1	Bushing, Ins., Field Term.
GCY-28	1	Bushing, Ins., Arm. Term.
GDJ-66	1	Insulation, Term. Stud, Inner
GDJ-67	1	Insulation, Term. Stud, Inner
GDJ-1005	1	COIL ASSY., FIELD, COMP.
GDJ-1007	1	Coil Assy., Field, U.L.
X-1425	1	Terminal
GDJ-1008	1	Coil, Field, L.L.
GDJ-1009	1	Coil, Field, L.R.
GDJ-1010	1	Coil Assy., Field, U.R.
GBG-26	1	Terminal
MU-36	1	Washer, Ins., Arm. Term., Outer
MU-37	1	Washer, Arm. Term., Plain #10
8X-183A	1	Washer, Field Term. Plate #10
12X-196	2	Lockwasher, Field Term., #10
12X-1014	2	Lockwasher, Ar m. Term. 5/16
8X-1059	1	Nut, Arm. Term. Hex. 5/16-24 Inner
8X-1376	2	Nut, Arm. Term. Hex. 5/16-24 Outer
8X-1377	3	Nut, Field Term. Hex. #10-32
12X-196	1	Lockwasher, Ground Screw, #10
8X-321	1	Screw, Ground, Rd. Hd. #10-32x 5/16
8X-1579	8	Screw, Bracket Attaching, Flat Hd. 5/16-24x5/8

Comm. End Head Assembly & Parts Used With

DA-60	1	Screw, Bearing Retaining
GBG-66	1	Washer, Bearing Retaining
GCE-40	2	Washer, Felt Retaining
GDJ-23	1	Washer, Spring
GDJ-24	1	Washer, Felt
GDJ-27	1	Gasket, C.E. Cover
GDJ-63A	1	Cover, Comm. End
GDJ-2030D	1	Head Assy., Comm. End
GBY-34	4	Arm, Brush
GCE-53	4	Spring, Brush
GDJ-1012†	4	Brush
8X-118	6	Screw, C.E. Head, Fil Hd. #10-32x 3/4
8X-119	4	Screw, Cover Fil. Hd. #10-32x1/2
12X-195	3	Lockwasher, Br. Lead Sc., #8

1 2 3 4 5

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part 1 2 3 4 5
12X-196	10	Lockwasher, C.E. Head & Cover, Screw, #10
12X-199	1	Lockwasher, Brg. Retaining Sc., 1/4
8X-305	3	Screw, Brush Lead Rd. Hd #8-32x1/4
X-489	1	Oiler, Hinge Top, Press in 1/4
X-1528	1	BEARING, BALL, SHIELDED S.A.E. #205

Armature Assembly & Parts Used With

GBG-49	2	Spacer, Armature Shaft
GDJ-2062F	1	ARMATURE
GFR-56	1	Spacer, Armature Shaft, Outer
*	1	Pulley, Drive
12X-191	1	Lockwasher, Arm. Shaft, 5/8
8X-1178	1	Nut, Shaft, D.E., Hex. 5/8-18

Drive End Head Assembly & Parts Used With

GDJ-1096A	1	Head Assy., Drive End
GBG-50	1	Gasket, Bearing Retainer
GBG-57	1	Retainer, Felt Washer
GBG-58	1	Washer, Felt
GBG-1056	1	Retainer Assy., Bearing
GBG-56	1	Retainer, Bearing
GBG-57	1	Retainer, Felt Washer
GBG-58	1	Washer, Felt
GDJ-96A	1	Head, Drive End
8X-119	4	Screw, Brg. Retainer, Fil. Hd., #10-32x1/2
X-196	4	Washer, Lock, Retainer Sc. #10
X-444	1	BEARING, BALL, S.A.E. #305
8X-118	6	Screw, D.E. Head, Fil Hd. #10-32x3/4
X-489	1	Oiler, Hinge Top Press in, 1/4
12X-544	6	Lockwasher, D.E. Head Sc., #10

Miscellaneous Parts

GBG-24	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Sq. #10-32

1 2 3 4 5

† BRUSH SET: SERVICE GDJ-2012S.

* See table following parts list for part number applying to assembly wanted.

NOTE: - VRH-4102B CURRENT- VOLTAGE REGULATOR is used with but is not part of this generator

Assembly No.	Pulley, Drive	
GDJ-4837A	SP-877	(Issued 8-14-47)
GDJ-4837B	SP-901	

UNIT	APPLICATION
GDJ-4837A	Ward LaFrance
GDJ-4837B	Hercules

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GDJ-4838A, B, C, D GENERATOR PARTS LIST

GDJ-4838A, B, C, D
(Issued 10-6-55)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
*	1	Bracket, Gen. Mtg.
GDJ-2109A	1	Frame & Field Assy.
GBF-55	1	Washer, Ins., Field Term.
GBG-22	1	Stud, Field Term., #10-32
GBG-23	1	Stud, Arm. Term., 5/16-24
GBG-27	1	Lead Assy.
GBG-121	1	Terminal, 2 Wire
X-1425	2	Terminal
GBG-30	1	Insulation, Field Connection
GBG-38	8	Screw, Pole Shoe
GCY-27	1	Bushing, Ins., Field Term.
GCY-28	1	Bushing, Ins., Arm. Term.
GDJ-66	1	Insulation, Term. Stud, Inner
GDJ-67	1	Insulation, Term. Stud, Inner
GDJ-68	1	Insulation, Field Term., Inner
GDJ-1005	1	COIL ASSY., FIELD COMPLETE
GDJ-1007	1	Coil Assy., Field, U. L.
X-1425	1	Terminal
GDJ-1008	1	Coil, Field, L. L.
GDJ-1009	1	Coil, Field, L. R.
GDJ-1010	1	Coil Assy., Field, U. R.
GBG-26	1	Terminal
MU-36	1	Washer, Ins., Arm. Term.
MU-37	1	Washer, Plain, Arm. Term., 5/16
8X-183A	1	Washer, Plain, Field Term., #10
12X-196	2	Lockwasher, Field Term., #10
12X-1014	2	Lockwasher, Arm. Term., 5/16
8X-1376	2	Nut, Arm. Term., Hex. 5/16-24
8X-1377	2	Nut, Field Term., Hex. #10-32
*	2	Nut, Bracket Sc., Hex. 1/2-13x1/2
12X-196	1	Lockwasher, Ground Screw, #10
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16
*	2	Lockwasher, Brkt. Sc., 1/2
*	2	Screw, Mtg. Bracket, Hex. Hd. 1/2-13x1 1/2

Comm. End Head Assembly & Parts Used With

Part No.	No. Used	Name of Part
DA-60	1	Screw, Bearing Retaining
GBG-66	1	Washer, Bearing Retaining Screw
GCE-40	2	Washer, Felt Retaining
GDJ-23	1	Washer, Spring
GDJ-24	1	Washer, Felt
GDJ-27	1	Gasket, C. E. Cover
GDJ-63A	1	Cover, Comm. End
GDJ-2012DS	1	BRUSH SET, SERVICE
GDJ-2074S	1	Head Assy., Comm. End
GBY-34	4	Arm, Brush
GCE-53	4	Spring, Brush
8X-118	6	Screw, C. E. Head, Fill. Hd. #10-32x3/4
8X-119	4	Screw, Cover, Fill. Hd. #10-32x1/2
12X-195	4	Lockwasher, Lead Sc., #8
12X-196	10	Lockwasher, Head & Cover Sc., #10
12X-199	1	Lockwasher, Brg. Retaining Sc., 1/4
8X-305	4	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler
X-1528	1	BEARING, BALL, SHIELDED, S. A. E. #205

Armature Assembly & Parts Used With

GBG-49	2	Spacer, Armature Shaft
GDJ-2062F	1	ARMATURE
GFR-56	1	Spacer, Armature Shaft
*	1	Pulley, Drive
12X-1134	1	Washer, Shaft, D. E., Plain 5/8
X-1177	1	Washer, Shaft, D. E., Skpf. 5/8
12X-1178	1	Nut, Shaft, D. E., Hex. 5/8-18

Drive End Head Assy. & Parts Used With

GDJ-1199	1	Head Assy., Drive End
GBG-50	1	Gasket, Bearing Retainer
GBG-57	1	Retainer, Felt Washer
GBG-58	1	Washer, Felt
GBG-1056	1	Retainer Assy., Bearing
GBG-56	1	Retainer, Bearing
GBG-57	1	Retainer, Felt Washer
GBG-58	1	Washer, Felt

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Drive End Head Assy. (Continued)

Part No.	No. Used	Name of Part
GDJ-199	1	Head, Drive End
8X-119	4	Screw, Brg. Retainer, Fill, Hd. #10-32x1/2
12X-196	4	Lockwasher, Retainer Sc., #10
X-444	1	BEARING, BALL, S. A. E. #305
X-489	1	Oiler
8X-118	6	Screw, D. E. Head, Fill. Hd. #10-32x3/4
12X-196	6	Lockwasher, Head Screw, #10

Miscellaneous Parts

GBG-24C	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

NOTE: CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

* See table following parts list for part numbers applying to assembly wanted.

Assembly No.	Bracket	Hex. Nut	Lockwasher	Mtg. Screw	Pulley	Regulator
GDJ-4838A	GDJ-197	8X-150	12X-1026	8X-2967	SP-923	VRH-4102B
GDJ-4838B	GDJ-197A	8X-150	12X-1026	8X-2967	SP-931	VRH-4102A
GDJ-4838C	None	None	None	None	PU-64	VRH-4102B
GDJ-4838D	None	None	None	None	PU-89	VRH-4102B

UNIT	APPLICATION
GDJ-4838A	Biederman, Diamond T
GDJ-4838B	Hercules
GDJ-4838C, D	Diamond T

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GDJ-4841, A GENERATOR PARTS LIST

GDJ-4841, A
(Issued 3-27-56)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GDJ-2109A	1	Frame & Field Assy.
GBF-55	1	Washer, Ins., Field Term.
GBG-22	1	Stud, Field Term., #10-32
GBG-23	1	Stud, Arm. Term., 5/16-24
GBG-27	1	Lead Assembly
GBG-121	1	Terminal, 2 Wire
X-1425	2	Terminal
GBG-30	1	Insulation, Field Connection
GBG-38	8	Screw, Pole Shoe
GCY-27	1	Bushing, Ins., Field Term.
GCY-28	1	Bushing, Ins., Arm. Term.
GDJ-66	1	Insulation, Term. Stud, Inner
GDJ-67	1	Insulation, Term. Stud, Inner
GDJ-68	1	Insulation, Field Term., Inner
GDJ-1005	1	COIL ASSY., FIELD COMPLETE
GDJ-1007	1	Coil Assy., Field, U. L.
X-1425	1	Terminal
GDJ-1008	1	Coil, Field, L. L.
GDJ-1009	1	Coil, Field, L. R.
GDJ-1010	1	Coil Assy., Field, U. R.
GBG-26	1	Term
MU-36	1	Washer, Ins., Arm. Term.
MU-37	1	Washer, Plain, Arm. Term., 5/16
8X-183A	1	Washer, Plain, Field Term., #10
12X-196	2	Lockwasher, Field Term., #10
12X-1014	2	Lockwasher, Arm. Term., 5/16
8X-1376	2	Nut, Arm. Term., Hex. 5/16-24
8X-1377	2	Nut, Field Term., Hex. #10-32
12X-196	1	Lockwasher, Ground Screw, #10
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

DA-60	1	Screw, Bearing Retaining
GBG-66	1	Washer, Bearing Retaining
GCE-40	2	Washer, Felt Retaining
GDJ-23	1	Washer, Spring
GDJ-24	1	Washer, Felt
GDJ-27	1	Gasket, C. E. Cover
GDJ-63A	1	Cover, Comm. End
GDJ-2012S	1	BRUSH SET, SERVICE

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
GDJ-2074CS	1	Head Assy., Comm. End
GBY-34	4	Arm, Brush
GCE-53	4	Spring, Brush
8X-118	6	Screw, C. E. Head, Fill. Hd. #10-32x3/4
8X-119	4	Screw, Cover, Fill. Hd. #10-32x1/2
12X-195	4	Lockwasher, Lead Sc., #8
12X-196	10	Lockwasher, Head & Cover Screw, #10
12X-199	1	Lockwasher, Brg. Retaining Sc., 1/4
8X-305	4	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler
X-1528	1	BEARING, BALL, SHIELDED, S. A. E. #205

Armature Assembly & Parts Used With

GBG-49	2	Spacer, Arm. Shaft, C. E. & D. E.
GDJ-2202F	1	ARMATURE
GFR-56	1	Spacer, Arm. Shaft, D. E.
*	1	Pulley, Drive
8X-1134	1	Washer, Shaft, D. E., Plain 5/8
X-1177	1	Washer, Shaft, D. E., Skpf. 5/8
8X-1178	1	Nut, Shaft, D. E., Hex. 5/8-18

Drive End Head Assy. & Parts Used With

GDJ-1199A	1	Head Assy., Drive End
GBG-50	1	Gasket, Brg. Retainer
GBG-57	1	Retainer, Felt Washer
GBG-58	1	Washer, Felt
GBG-1056	1	Retainer Assy., Bearing
GBG-56	1	Retainer, Bearing
GBG-57	1	Retainer, Felt Washer
GBG-58	1	Washer, Felt
GDJ-199A	1	Head, D. E.
8X-119	1	Screw, Brg. Retainer, Fill. Hd. #10-32x1/2
12X-196	4	Lockwasher, Retainer Sc., #10
X-444	1	BEARING, BALL, S. A. E. #305
X-489	1	Oiler
8X-118	6	Screw, D. E. Head, Fill. Hd. #10-32x3/4
12X-196	6	Lockwasher, Head Screw, #10

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Miscellaneous Parts

Part No.	No. Used	Name of Part
GBG-24C	1	Cover, Band
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

NOTE: VRH-4102A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

* See table following parts list for part number applying to assembly wanted.

ASSEMBLY NO.	PULLEY
GDJ-4841	None
GDJ-4841A	PU-27

UNIT	APPLICATION
GDJ-4841	Reo Truck
GDJ-4841A	Biederman, Diamond T

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking su -parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GDJ-2168	1	Frame & Field Assembly
GBG-22	1	Stud, Field Term. #10-32
GBG-23	1	Stud, Arm. Term., 5/16-24
GBG-27	1	Lead Assembly
GBG-121	1	Terminal, 2 Wire
X-1425	2	Terminal
GBG-30	1	Insulation, Field Connection
GBG-38	8	Screw, Pole Shoe
GBW-34	2	Washer, Ins., Field Term.
GCY-31	1	Bushing, Ins., Field Term.
GCY-32	1	Bushing, Ins., Arm. Term.
GDJ-66	1	Insulation, Term. Stud, Inner
GDJ-67	1	Insulation, Term. Stud, Inner
GDJ-68	1	Insulation, Field Term., Inner
GDJ-1005	1	COIL ASSY., FIELD, COMPLETE
GDJ-1007	1	Coil Assy., Field, U.L.
X-1425	1	Terminal
GDJ-1008	1	Coil, Field, L.L.
GDJ-1009	1	Coil, Field, L.R.
GDJ-1010	1	Coil Assy., Field, U.R.
GBG-26	1	Terminal
MU-32	2	Washer, Ins., Arm. Term.
MU-37	1	Washer, Plain, Arm. Term. 5/16
8X-183A	1	Washer, Plain, Field Term. #10
12X-196	2	Lockwasher, Field Term., #10
12X-1014	2	Lockwasher, Arm. Term., 5/16
8X-1059	1	Nut, Arm. Term., Inner, Hex. 5/16-24
8X-1376	2	Nut, Arm. Term., Outer, Hex. 5/16-24
8X-1377	3	Nut, Field Term., Hex., #10-32
12X-196	1	Lockwasher, Ground Sc. #10
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

DA-60	1	Screw, Bearing, Retaining
GBG-66	1	Washer, Bearing, Retaining
GCE-40	2	Washer, Felt Retaining
GDJ-23	1	Washer, Spring
GDJ-24	1	Washer, Felt
GDJ-27	1	Gasket, C.E. Cover

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
GDJ-63A	1	Cover, Comm. End
GDJ-2012S	1	BRUSH SET, SERVICE
GDJ-2064FS	1	Head Assy., Comm. End
GBY-34	4	Arm, Brush
GCE-53	4	Spring, Brush
8X-118	6	Screw, C.E. Head, Fill. Hd. #10-32x3/4
8X-119	4	Screw, Cover, Fill. Hd. #10-32x1/2
12X-195	4	Lockwasher, Lead Sc., #8
12X-196	10	Lockwasher, Head & Cover Screw, #10
12X-199	1	Lockwasher, Brg. Retaining Screw, 1/4
8X-305	4	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler
X-1528	1	BEARING, BALL, SHIELDED, S.A.E. #205

Armature Assembly & Parts Used With

GBG-49	2	Spacer, Armature Shaft
GDJ-2202F	1	Armature
GFR-56	1	Spacer, Shaft, D.E., Outer
*	1	Pulley, Drive
X-1134	1	Washer, Shaft, D.E., Plain 5/8
X-1117	1	Washer, Shaft, D.E., Skpf. 5/8
X-1178	1	Nut, Shaft, D.E., Hex. 5/8-18

Drive End Head Assembly & Parts Used With

GDJ-1119	1	Head Assy., Drive End
GBG-50	1	Gasket, Brg. Retainer
GBG-57	1	Retainer, Felt Washer
GBG-58	1	Washer, Felt
GBG-1056	1	Retainer Assy., Bearing
GBG-56	1	Retainer, Bearing
GBG-57	1	Retainer, Felt Washer
GBG-58	1	Washer, Felt
GDJ-119	1	Head, Drive End
8X-119	4	Screw, Brg. Retainer, Fill. Hd., #10-32x1/2
X-196	4	Lockwasher, Retainer Screw, #10
X-1699	1	BEARING, BALL, S.A.E. #305
GT-124	1	Wick, Felt
8X-118	6	Screw, D.E. Head, Fill. Hd. #10-32x3/4
12X-196	6	Lockwasher, Head Sc., #10
X-489	1	Oiler

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GDJ-4844A,B GENERATOR PARTS LIST (Cont.)

Miscellaneous Parts

Part No.	No. Used	Name of Part
GBG-24C	1	Band, Cover
8X-714	1	Screw Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

NOTE: VRH-4102A CURRENT VOLTAGE REGULATOR is used with but is not a part of this generator.

* See table following parts list for part number applying to assembly wanted.

ASSEMBLY NO.	PULLEY DRIVE
GDJ-4844A	PU-117
GDJ-4844B	PU-118

UNIT	APPLICATION
GDJ-4844A,B	Brockway (Truck)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GDJ-4846 GENERATOR PARTS LIST

GDJ-4846
(Issued 9-17-56)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GDJ-2109A	1	Frame & Field Assy.
GBF-55	1	Washer, Ins., Field Term.
GBG-22	1	Stud, Field Term., #10-32
GBG-23	1	Stud, Arm. Term., 5/16-24
GBG-27	1	Lead Assy.
GBG-121	1	Terminal, 2 Wire
X-1425	2	Terminal
GBG-30	1	Insulation, Field Connection
GBG-38	8	Screw, Pole Shoe
GCY-27	1	Bushing, Ins., Field Term.
GCY-28	1	Bushing, Ins., Arm. Term.
GDJ-66	1	Insulation, Term. Stud, Inner
GDJ-67	1	Insulation, Term. Stud, Inner
GDJ-68	1	Insulation, Field Term., Inner
GDJ-1005	1	COIL ASSY., FIELD, COMPLETE
GDJ-1007	1	Coil Assy., Field, U.L.
X-1425	1	Terminal
GDJ-1008	1	Coil, Field, L. L.
GDJ-1009	1	Coil, Field, L. R.
GDJ-1010	1	Coil Assy., Field, U. R.
GBG-26	1	Terminal
MU-36	1	Washer, Ins., Arm. Term.
MU-37	1	Washer, Plain, Arm. Term., 5/16
8X-183A	1	Washer, Plain, Field Term., #10
12X-196	2	Lockwasher, Field Term., #10
12X-1014	2	Lockwasher, Arm. Term., 5/16
8X-1376	2	Nut, Arm. Term., Hex. 5/16-24
8X-1377	2	Nut, Field Term., Hex. #10-32
12X-196	1	Lockwasher, Ground Screw, #10
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

DA-60	1	Screw, Bearing Retaining
GBG-66	1	Washer, Bearing Retaining Sc.
GCE-40	2	Washer, Felt Retaining
GDJ-23	1	Washer, Spring
GDJ-24	1	Washer, Felt
GDJ-27	1	Gasket, C. E. Cover
GDJ-63A	1	Cover, Comm. End

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
GDJ-2012DS	1	BRUSH SET, SERVICE
GDJ-2074S	1	Head Assy., Comm. End
GBY-34	4	Arm. Brush
GCE-53	4	Spring, Brush
8X-118	6	Screw, C. E. Head, Fill. Hd. #10-32x3/4
8X-119	4	Screw, Cover, Fill. Hd. #10-32x1/2
12X-195	4	Lockwasher, Lead Sc., #8
12X-196	10	Lockwasher, Head & Cover Sc., #10
12X-199	1	Lockwasher, Brg. Retaining Sc., 1/4
8X-305	4	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler
X-1528	1	BEARING, BALL, SHIELDED, S. A. E. #205

Armature Assembly & Parts Used With

GBG-49	2	Spacer, Armature Shaft
GDJ-2202F	1	ARMATURE
GFR-56	1	Spacer, Shaft, D. E. Outer
8X-1134	1	Washer, Shaft, D. E., Plain 5/8
X-1177	1	Washer, Shaft, D. E., Skpf. 5/8
12X-1178	1	Nut, Shaft, D. E. Hex. 5/8-18

Drive End Head Assembly & Parts Used With

GDJ-1199	1	Head Assy., Drive End
GBG-50	1	Gasket, Bearing Retainer
GBG-57	1	Retainer, Felt Washer
GBG-58	1	Washer, Felt
GBG-1056	1	Retainer Assy., Bearing
GBG-56	1	Retainer, Bearing
GBG-57	1	Retainer, Felt Washer
GBG-58	1	Washer, Felt
GDJ-199	1	Head, Drive End
8X-119	4	Screw, Brg. Retainer, Fill. Hd. #10-32x1/2
12X-196	4	Lockwasher, Retainer Sc., #10
X-444	1	BEARING, BALL, S. A. E. #305
X-489	1	Oiler
8X-118	6	Screw, D. E. Head, Fill. Hd. #10-32x3/4
12X-196	6	Lockwasher, Head Screw, #10

(Continued on reverse side)

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File in
Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GDJ - 4846 GENERATOR PARTS LIST

(Continued)

Miscellaneous Parts

Part No.	No. Used	Name of Part
GBG - 24C	1	Band, Cover
8X - 714	1	Screw, Cover Band, Rd. Hd. #10 - 32x1 1/2
8X - 794	1	Nut, Cover Band, Square #10 - 32

Note:- VRH - 4102B CURRENT - VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GDJ - 4846	Reo Motors

Printed in U. S. A.

File in
Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DK-23A	2	Frame Screw
GCJ-33	1	Grounding Cup
(GDK-2046)	1	Frame & Field Assy.
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-67	1	Term. Post Bottom Ins.
GBX-29	2	Pole Piece
GBX-53	1	Insulating Bushing
GBY-38	2	Pole Piece Screw
GCY-25	1	Insulating Bushing
GDK-1005B	1	FIELD COIL ASSY.-Comp.
GDK-1007C	1	Field Coil Assy.-Left
GAL-346	1	C.B. Lead Assy.
X-755	1	Terminal
X-847	1	Terminal
IG-821	1	Terminal
GDK-1008A	1	Field Coil - Right
GEB-58	1	Terminal Post
MN-21	2	Dowel Pin
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
5X-1377	1	#10-32 Hex. Nut
X-196	1	#10 Lock Washer
X-203	2	5/16 Lock Washer
5X-1377	1	#10-32 Hex. Nut

Comm. End Head Assembly & Parts Used With

DA-39	3	Flat Oil Guard
DA-70	1	Armature Shaft Nut
DA-132	1	Felt Washer
GAU-43	1	Felt Washer
(GBX-2057)	1	Comm. End Head Assy.
GBX-51	1	3rd Br. Plate Retaining Spring
GBX-1014AL	1	3rd Br. Plate Assy.
GBY-25	1	Brush Spring
GBY-33	1	Brush Arm
GBX-1057	1	C.E. Head Part Assy.
GCE-53	2	Brush Spring
GCE-54	2	Brush Arm
GCE-1012†	2	Brush - Main
GDK-1013†	1	Brush - Third
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Sc.
8X-311	1	#10-32x3/8 Rd. Hd. Sc.
X-195	2	#8 Lock Washer
X-295	1	BALL BRG. - S.A.E. #203
8X-305	2	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler-Press in Type
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAG-1166	1	Oil Thrower
GDK-2117F	1	ARMATURE ASSEMBLY
X-257	1	#3 Woodruff Key
X-263	1	#8 Woodruff Key

Drive End Head Assembly & Parts Used With

GDK-1003	1	Drive End Head Assy.
GDK-3	1	Drive End Head
GDK-28	1	Bearing Spacer
GX-9	1	D.E. Packing Retainer
GX-10	1	Gasket
X-196	3	#10 Lock Washer
8X-311	3	#10-32x3/8 Rd. Hd. Sc.
X-378	1	BALL BRG. - S.A.E. #204
X-489	1	1/4 Oiler-Press in Type

Dist. Mounting Housing & Parts Used With

GAG-58	1	Dist. Mtg. Housing Clamp
GAJ-85	1	Dist. Mounting Housing
GE-25	1	Dist. Gear - Driver
GG-133	1	Dist. Drive Rivet
8X-53	1	#8-32x5/8 Rd. Hd. Screw
8X-119	3	#10-32x1/2 Fill. Hd. Screw
8X-141	1	#8-32 Hex. Nut
X-380	1	1/8 Grease Cup
X-489	1	1/4 Oiler-Press in Type
X-544	3	#10 Lock Washer

Miscellaneous Parts

CB-4026	1	CIRCUIT BREAKER ASSY.
CB-123	1	Armature Spring
CB-160S	1	C.B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	3	#10 Lock Washer
8X-312	2	#10-32x1/4 Rd. Hd. Screw
GCE-1024D	1	Head Band Assy.
X-196	2	#10 Lock Washer
8X-321	2	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 11-28-41)

† Service BRUSH SET GCE-2012AS.

UNIT	APPLICATION
GDK-4801	Universal

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
DK-23	2	Bolt, Thru
(GDK-2041)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GBX-53	1	Bushing, Insulating
GBY-38A	2	Screw, Pole Shoe
GDK-1005C	1	COIL ASSY., FIELD, COMPLETE
GDK-1007C	1	Coil Assy., Field, Left
GAL-367	1	Lead Assy.
X-755	1	Terminal
X-847	1	Terminal
IG-821	1	Terminal
GDK-1008D	1	Coil Assy., Field, Right
X-767	1	Terminal
MN-21	2	Pin, Dowel
12X-1014	2	Lockwasher, Thru Bolt, 5/16

Comm. End Head Assembly & Parts Used With

DA-39	3	Washer, Plain, Felt Retaining
DA-70	1	Nut, Shaft, Comm. End
DA-132	1	Washer, Felt, C.E., Outer
GAU-43	1	Washer, Felt, C.E., Inner
GBX-2057	1	Head Assy., Comm. End
GBX-51	1	Spring, Retaining, 3rd Brush Plate
GBX-1014AL	1	Plate Assy., 3rd Brush
GBY-25	1	Spring, Brush
GBY-33	1	Arm, Brush
GBX-1057	1	Head Assy., Partial, C.E.
GCE-53	2	Spring, Brush
GCE-54	2	Arm, Brush
GCE-1012*	2	Brush, Main
GDK-1013*	1	Brush, Third
8X-311	1	Screw, Retaining Spring, Rd. Hd. #10-32x3/8
12X-195	3	Lockwasher, Brush Lead Sc.,#8
X-295	1	BEARING, BALL, S.A.E. #203
8X-305	3	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler

Armature Assembly & Parts Used With

GAG-1166	1	Oil Thrower
GDK-2117F	1	ARMATURE
X-257	1	Key, Woodruff, #2
X-263	1	Key, Woodruff, #8

Drive End Head Assembly & Parts Used With

Part No.	No. Used	Name of Part
GDK-1003	1	Head Assy., Drive End
GDK-3	1	Head, Drive End
GDK-28	1	Spacer, Bearing
GX-9	1	Retainer, Bearing
GX-10	1	Gasket, Retainer
X-196	3	Lockwasher, Retainer Sc., #10
8X-311	3	Screw, Brg. Retainer, Rd. Hd. #10-32x3/8
X-378	1	BEARING, BALL, SHIELDED, S.A.E. #204
X-489	1	Oiler

Dist. Mounting Housing & Parts Used With

GAG-58	1	Dist. Mounting Housing Clamp
GAJ-85	1	Housing, Dist. Mtg.
GE-25	1	GEAR, DIST., DRIVER
SW-213	1	Rivet, Gear
8X-53	1	Screw, Housing Clamp, Rd. Hd. #8-32x5/8
8X-119	3	Screw, Dist. Housing, Fill. Hd. #10-32x1/2
8X-141	1	Nut, Housing Clamp, Hex. #8-32
12X-196	3	Lockwasher, Housing Sc., #10
X-382	1	Cup, Grease, 1/8 Pipe
X-489	1	Oiler

Miscellaneous Parts

GCE-24	1	Band, Cover
TC-4303D	1	REGULATOR, TWO CHARGE
12X-196	4	Lockwasher, Reg. Mtg. Sc., #10
8X-321	4	Screw, Reg. Mtg., Rd. Hd. #10-32x5/16
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x 1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

* BRUSH SET, SERVICE GCE-2012AS.

UNIT	APPLICATION
GDK-4804-1	Universal Motor Co.

(Issued 6-27-49)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GDM-4801 GENERATOR PARTS LIST

GDM-4801
(Issued 3-29-51)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GCD-3038)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term.
GAU-45	1	Insulation, Field Connection
GBW-34	1	Washer, Ins., Field Term.
GBW-66	1	Insulation, Arm. Term., Inner
GBW-67	1	Insulation, Field Term., Inner
GBY-38A	4	Screw, Pole Shoe
GCD-2005	1	Coil Assy., Field, Complete
GCD-1007A	1	Coil Assy., Field, Left
GCD-25	1	Lead Assembly
GCE-34	1	Stud, Arm. Term., #14-24
X-1425	1	Terminal
GCE-27	1	Stud, Field Term., #10-32
GCD-1008A	1	Coil Assy., Field, Right
IG-821	1	Terminal
GDD-27	1	Bushing, Ins., Field Term.
GDD-28	1	Bushing, Ins., Arm. Term.
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term., Hex. #14-24
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-349	1	Washer, Field Term., Plain #10
8X-361	1	Washer, Arm. Term., Plain 1/4
8X-1377	2	Nut, Field Term., Hex. #10-32
GGA-20	2	Bolt, Thru
8X-159	2	Nut, Thru Bolt, Hex. 3/8-24
12X-196	1	Lockwasher, Ground Screw, #10
12X-201	2	Lockwasher, Thru Bolt, 3/8
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

DA-22	1	Washer, Bearing Retaining
DA-60	1	Screw, Bearing Retaining
DB-17	1	Washer, Plain, Felt Retaining
DD-24C	1	Cover, Comm. End
DD-44	1	Gasket, C.E. Cover

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
GBY-28	1	Washer, Felt
GCD-3037	1	Head Assy., Comm. End
GBY-25	2	Spring, Brush
GBY-34	2	Arm, Brush
GBY-1012 †	2	Brush
8X-119	3	Screw, Cover, Fill. Hd. #10-32x1/2
12X-195	2	Lockwasher, Brush Lead Sc., #8
12X-196	3	Lockwasher, Cover Screw, #10
12X-199	1	Lockwasher, Brg. Retaining Sc., 1/4
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler
X-867	1	Bearing, Ball, Shielded, S.A.E. #303

Armature Assembly & Parts Used With

GAL-310	1	Spacer, Arm. Shaft
GDM-2044F	1	Armature
GK-174	1	Washer, Shaft, D.E., Plain 1/2
X-156	1	Nut, Shaft, D.E., Castellated 1/2-20
X-263	1	Key, Woodruff, #8
X-404	1	Pin, Cotter

Drive End Head Assembly & Parts Used With

GCD-1042	1	Head Assy., Drive End
DB-17	1	Retainer, Felt, Outer
GAR-95	1	Washer, Felt, Inner
GBC-25	1	Retainer, Felt, Inner
GCD-42	1	Head, D.E.
GG-164	1	Washer, Felt, Outer
GX-9	1	Retainer, Bearing
X-196	3	Lockwasher, Retainer Sc., #10
X-298	1	Bearing, Ball, S.A.E. #204
8X-311	3	Screw, Retainer, Rd. Hd. #10-32x3/8
X-489	1	Oiler

Miscellaneous Parts

GCD-24	1	Band, Cover
X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† Brush Set, Service GCD-2012S.

NOTE: VRS-4008A Current-Voltage Regulator is used with but is not a part of this generator.

UNIT	APPLICATION
GDM-4801	Chris Craft

Printed in U. S. A.

File in
Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCD-20A	2	Bolt, Thru
(GCD-2001)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term.
GAU-45	1	Insulation, Field Connection
GBW-34	1	Washer, Ins., Field Term.
GBW-66	1	Insulation, Square, Arm. Terminal
GBW-67	1	Insulation, Square, Field Terminal
GBY-38	4	Screw, Pole Piece
GCD-1005	1	Coil Assy., Field, Complete
GCD-1007	1	Coil Assy., Field, Left
GCD-25	1	Lead Assembly
GCE-34	1	Stud, Arm. Term., #14-24
X-1425	1	Terminal
X-1425	1	Terminal
GCD-1008	1	Coil Assy., Field, Right
GCE-27	1	Stud, Field Term., #10-32
GDD-27	1	Bushing, Ins., Field Term.
GDD-28	1	Bushing, Ins., Arm. Term.
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term., Hex., #14-24
X-193	2	Lockwasher, Arm. Term., #14
X-196	2	Lockwasher, Field Term., #10
8X-349	1	Washer, Plain, Field Term., #10
8X-361	1	Washer, Plain, Arm. Term., 1/4
8X-1377	2	Nut, Field Term., Hex., #10-32
8X-159	2	Nut, Thru Bolt, Hex., 3/8-24
12X-196	1	Lockwasher, Ground Sc., #10
12X-201	2	Lockwasher, Thru Bolt, 3/8
8X-321	1	Screw, Ground, Rd. Hd., #10-32x5/16

Comm. End Head Assembly & Parts Used With

DB-17	2	Washer, Plain, Felt Retaining
DD-44	1	Gasket, C.E. Cover
GBY-28	1	Washer, Felt
GCD-27A	1	Cover, Comm. End
GCD-28	1	Washer, Felt
GCD-30	1	Deflector, Air
GCD-2002	1	Head Assy., Comm. End
GBY-25	2	Spring, Brush
GBY-34	2	Arm, Brush
GBY-1012†	2	Brush
8X-66	3	Screw, Air Deflector, Flat Hd., #10-32x1/2
		1 2 3 4 5

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
12X-195	2	Lockwasher, Brush Lead, #8
8X-305	2	Screw, Brush Lead, Rd. Hd., #8-32x1/4
X-489	1	Oiler, Hinge Top, Press in, 1/4
8X-726	3	Screw, Attaching, C.E. Cover Bdg. Hd., #10-32x7/16
X-867	1	Bearing, Ball, Shielded, S.A.E. #303
X-1270	3	Washer, Skpf., C.E. Cover Sc., #10
X-1621	3	Washer, Skpf., Air Deflector Screw, #10

Armature Assembly & Parts Used With

DG-1144	1	Oil Thrower
GBM-21	1	Nut, Armature Shaft
GDM-2045F	1	Armature
SP-366	1	Fan, Ventilating
X-157	1	Nut, Armature Shaft, Hex., 1/2-20
X-260	1	Key, Woodruff, #5
X-263	1	Key, Woodruff, #8
X-358	1	Washer, Plain, Arm. Shaft, 1/2
X-404	1	Pin, Cotter, 3/32x1
12X-864	1	Lockwasher, Arm. Shaft

Drive End Head Assembly & Parts Used With

GCD-1003	1	Head Assy., Drive End
DG-143	1	Retainer, Bearing
GCD-3	1	Head
8X-66	3	Screw, Flat Hd., #10-32x1/2
X-413	1	Bearing, Ball, Shielded, S.A.E. #304
X-1621	3	Washer, Skpf., #10

Miscellaneous Parts

GCD-24B	1	Band, Cover
X-715	1	Screw, Cover Band, Rd. Hd., #10-32x1 1/4
8X-794	1	Nut, Cover Band, Square, #10-32
		1 2 3 4 5

† Brush Set, Service GCD-2012S.

NOTE:- VRX-4001A Current-Voltage Regulator used on GDM-4803-1 and VRX-4002A used on GDM-4803-1N.

Unit	Application
GDM-4803-1	Hercules
GDM-4803-1N	Marmom Herrington

(Issued 10-25-46)

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCD-20	2	Frame Screw
(GCD-2056)	1	Frame & Field Assembly
DG-41S	1	Mounting Bracket
GAA-32	1	Terminal Post Top Ins.
GAU-45	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-66	1	Terminal Post Bottom Ins.
GBW-67	1	Terminal Post Bottom Ins.
GBY-29	2	Pole Piece
GBY-38	4	Pole Piece Screw
GCD-1005	1	FIELD COIL ASSY.- Comp.
GCD-1007	1	Field Coil Assy.-Left
GCD-25	1	Lead Assembly
GCE-34	1	Terminal Post
X-847	1	Terminal
IG-821	1	Terminal
GCD-1008	1	Field Coil Assy.-Right
GCE-27	1	Terminal Post
GDD-27	1	Insulating Bushing
GDD-28	1	Insulating Bushing
MN-21	2	Dowel Pin
X-82	4	1/4-28x9/16 Flat Hd. Sc.
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
8X-159	2	3/8-24 Hex. Nut
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	2	#10 Lock Washer
X-201	2	3/8 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

DA-22	1	Bearing Retaining Washer
DA-60	1	Bearing Retaining Screw
DB-17	1	Felt Guard
DD-24C	1	End Cap Cover
DD-44	1	End Cap Cover Gasket
GBY-28	1	Felt Washer
GCD-2032	1	Comm. End Plate Assembly
GBY-25	2	Brush Spring
GBY-34	2	Brush Arm
GBY-1012†	2	Brush - Main
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Sc.
X-195	1	#8 Lock Washer
X-199	1	1/4 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
X-544	3	#10 Lock Washer
X-867	1	BALL BEARING
8X-870	3	#10-32x5/16 Fill. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GDM-2031F	1	ARMATURE ASSEMBLY
SP-395	1	Drive Pulley
X-263	1	#8 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GCD-1033	1	Drive End Head Assembly
GAB-188	2	Felt Washer
GAR-179	2	Felt Guard
GBY-27	2	Bearing Retainer
GCD-33	1	Drive End Head
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
8X-306	3	#10-32x1 Rd. Hd. Screw
X-365	1	BALL BEARING - S.A.E. #303
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

GCD-24	1	Head Band
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 5-19-41)

† SERVICE BRUSH SET GCD-2012S.

NOTE:- VRX-4002A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GDM-4804A	Carrier Corp.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCD-20	2	Frame Screw
(GCD-3067)	1	Frame & Field Assy.
GAA-32	1	Term. Post Top Ins.
GAU-45	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-66	1	Term. Post Bottom Ins.
GBW-67	1	Term. Post Bottom Ins.
GBY-29	2	Pole Piece
GBY-38	4	Pole Piece Screw
GCD-2005	1	FIELD COIL ASSY.-Comp.
GCD-1007A	1	Field Coil Assy.-Left
GCD-25	1	Lead Assembly
GCE-34	1	Terminal Post
X-847	1	Terminal
GCE-27	1	Terminal Post
GCD-1008A	1	Field Coil Assy.-Right
IG-821	1	Terminal
GDD-27	1	Insulating Bushing
GDD-28	1	Insulating Bushing
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
8X-159	2	3/8-24 Hex. Nut
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	2	#10 Lock Washer
X-201	2	3/8 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Sc.
8X-1377	1	#10-32 Hex. Nut

Comm. End Head Assembly & Parts Used With

DB-17	2	Felt Guard
DD-44	1	End Cap Cover Gasket
GBY-28	1	Felt Washer
GCD-27	1	Comm. End Cap Cover
GCD-28	1	Felt Washer
GCD-30	1	Air Deflector
GCD-3076	1	Comm. End Head Assy.
GBY-25	2	Brush Spring
GBY-34	2	Brush Arm
GBY-1012†	2	Brush - Main
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Sc.
X-62	6	#10-32x3/8 Flat Hd. Sc.
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler-Press in Type
X-867	1	BALL BEARING
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DG-1144	1	Oil Thrower
GBM-21	1	Armature Shaft Nut
GDM-2066F	1	ARMATURE ASSEMBLY
SP-136	1	Fan
X-157	1	1/2-20 Slotted Nut
X-260	1	#5 Woodruff Key
X-263	1	#8 Woodruff Key
X-358	1	1/2 Plain Steel Washer
X-404	1	3/32x1 Cotter Pin
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GBY-1057	1	Drive End Head Assy.
DG-143	1	Bearing Retainer
GBY-57	1	Drive End Head
8X-66	3	#10-32x1/2 Flat Hd. Sc.
X-413	1	BALL BEARING

Miscellaneous Parts

GCD-24	1	Head Band Assy.
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 11-28-41)

NOTE:- VRX-4001A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

† Service BRUSH SET GCD-2012S.

UNIT	APPLICATION
GDM-4806	Climax

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCD-20A	2	Bolt, Thru
(GCD-3001)	1	Frame & Field Assembly
GAA-32	1	Washer, Ins., Arm. Term.
GAU-45	1	Insulation, Field Connection
GBW-34	1	Washer, Ins., Field Term.
GBW-66	1	Insulation, Square, Arm. Terminal
GBW-67	1	Insulation, Square, Field Terminal
GBY-38	4	Screw, Pole Shoe
GCD-2005	1	Coil Assy., Field, Comp.
GCD-1007A	1	Coil Assy., Field, Left
GCD-25	1	Lead Assembly
GCE-34	1	Post, Arm. Term., #14-24
X-1425	1	Terminal
GCE-27	1	Post, Field Term., #10-32
GCD-1008A	1	Coil Assy., Field, Right
IG-821	1	Terminal
GDD-27	1	Bushing, Ins., Field Term.
GDD-28	1	Bushing, Ins., Arm. Term.
MN-21	2	Pin, Dowel
8X-177	2	Nut, Armature Term., Hex., #14-24
X-193	2	Washer, Lock, Arm. Term., #14
X-196	2	Washer, Lock, Field Term., #10
8X-349	1	Washer, Plain, Field Term., #10
8X-361	1	Washer, Plain, Arm. Term., 1/4
8X-1377	2	Nut, Field Term., Hex., #10-32
8X-159	2	Nut, Thru Bolt, Hex., 3/8-24
X-196	1	Washer, Lock, Ground Sc., #10
X-201	2	Washer, Lock, Thru Bolt, 3/8
8X-321	1	Screw, Ground, Rd. Hd., #10-32x5/16

Comm. End Head Assembly & Parts Used With

DB-17	2	Washer, Plain, Felt Retaining
DD-44	1	Gasket, C.E. Cover
GBY-28	1	Washer, Felt
GCD-27A	1	Cover, Comm. End
GCD-28	1	Washer, Felt
GCD-30	1	Deflector, Air
GCD-3076	1	Head Assy., Comm. End
GBY-25	2	Spring, Brush
GBY-34	2	Arm, Brush
GBY-1012†	2	Brush
8X-66	3	Screw, Air Deflector, Flat Hd., #10-32x1/2
X-195	2	Washer, Lock, Br. Lead, #8
		1 2 3 4 5

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
8X-305	2	Screw, Brush Lead, Rd. Hd., #8-32x1/4
X-489	1	Oiler, Hinge Top, Press in, 1/4
8X-726	3	Screw, Attaching, C.E. Cover, Bdg. Hd., #10-32x7/16
X-867	1	Bearing, Ball, Shielded, SAE #303
X-1270	3	Washer, Skpf., C.E. Cover Sc., #10
X-1621	3	Washer, Skpf., Air Deflector, #10

Armature Assembly & Parts Used With

DG-1144	1	Oil Thrower
GBM-21	1	Nut, Armature Shaft
GDM-2006F	1	Armature
SP-136	1	Fan
X-157	1	Nut, Armature Shaft, Hex., 1/2-20
X-260	1	Key, Woodruff, #5
X-263	1	Key, Woodruff, #8
X-358	1	Washer, Plain, Arm. Shaft, 1/2
X-404	1	Pin, Cotter, 3/32x1
X-864	1	Washer, Lock, Arm. Shaft, .669

Drive End Head Assembly & Parts Used With

GCD-1077	1	Head Assy., Drive End
DG-143	1	Retainer, Bearing
GCD-77	1	Head
8X-66	3	Screw, Flat Hd., #10-32x1/2
X-413	1	Bearing, Ball, Shielded, SAE #304
X-489	1	Oiler, Press in, 1/4
X-1621	3	Washer, Skpf., #10

Miscellaneous Parts

GCD-24B	1	Band, Cover
X-715	1	Screw, Head Band, Rd. Hd., #10-32x1 1/4
8X-794	1	Nut, Head Band, Square, #10-32
		1 2 3 4 5

(Issued 4-3-45)

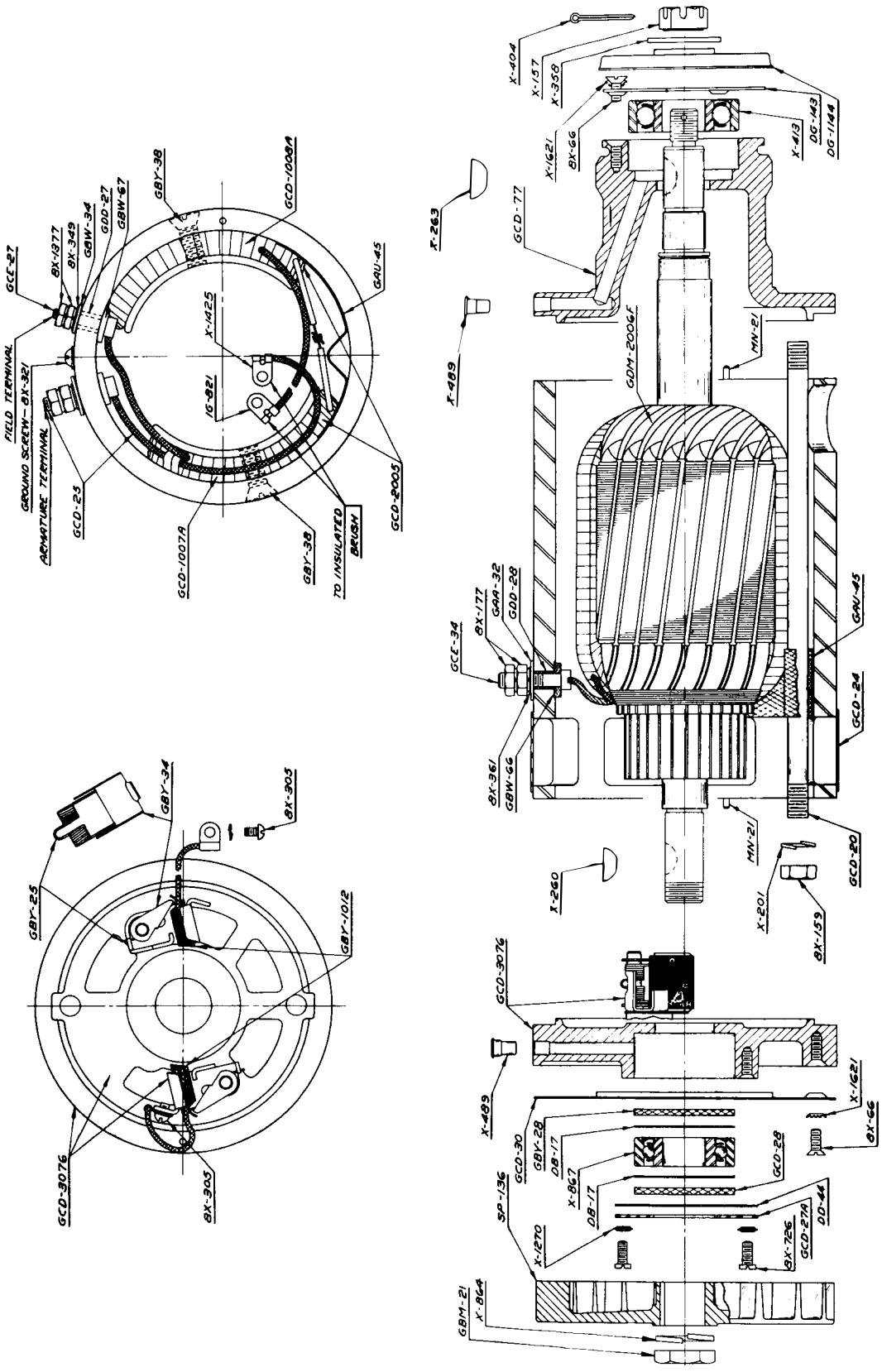
† Brush Set, Service, GCD-2012S.

NOTE:- VRX-4001B Current-Voltage Regulator is used with but is not a part of this generator.

UNIT	APPLICATION
GDM-4808-1	Autocar

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GDM-4808-1 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GCD-20A	2	Bolt, Thru
(GCD-2067)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term.
GAU-45	1	Insulation, Field Connection
GBW-34	1	Washer, Ins., Field Term.
GBW-66	1	Insulation, Arm. Term., Inner
GBW-67	1	Insulation, Field Term., Inner
GBY-38A	4	Screw, Pole Shoe
GCD-1005	1	COIL ASSY., FIELD, COMP
GCD-1007	1	Coil Assy., Field, Left
GCD-25	1	Lead Assy.
GCE-34	1	Stud, Arm. Term., #14-24
X-1425	1	Terminal
X-1425	1	Terminal
GCD-1008	1	Coil Assy., Field, Right
GCE-27	1	Stud, Field Term., #10-32
GDD-27	1	Bushing, Ins., Field Term.
GDD-28	1	Bushing, Ins., Arm. Term.
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term., Hex. #14-24
X-193	2	Lockwasher, Arm. Term., #14
X-196	2	Lockwasher, Field Term., #10
8X-349	1	Washer, Plain, Field Term., #10
8X-361	1	Washer, Plain, Arm. Term., 1/4
8X-1377	2	Nut, Field Term., Hex. #10-32
8X-159	2	Nut, Thru Bolt, Hex. 3/8-24
12X-196	1	Lockwasher, Ground Screw, #10
12X-201	2	Lockwasher, Thru Bolt, 3/8
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

DB-17	2	Washer, Plain, Felt Retaining
DD-44	1	Gasket, C.E. Cover
GBY-28	1	Washer, Felt, C.E. Outer
GCD-27A	1	Cover, Comm. End
GCD-28	1	Washer, Felt, C.E. Inner
GCD-30	1	Deflector, Air
GCD-2002S	1	Head Assy., Comm. End
GBY-25	2	Spring, Brush
GBY-34	2	Arm, Brush
GBY-1012†	2	Brush
8X-66	3	Screw, Flat Hd., #10-32x1/2

Comm. End Head Assy. (Continued)

Part No.	No. Used	Name Of Part
12X-195	2	Lockwasher, Brush Lead Sc., #8
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler, Hinge Top, Press in, 1/4
8X-726	3	Screw, C.E. Cover, Bdg. Hd. #10-32x7/16
X-867	1	BEARING, BALL, SHIELDED, S.A.E. #303
X-1270	3	Washer, C.E. Cover, Skpf. #10
X-1621	3	Washer, Air Deflector, Skpf. #10

Armature Assembly & Parts Used With

DG-1144	1	Oil Thrower
GBM-21B	1	Nut, Shaft, Hex. .669-20
GDM-2066F	1	ARMATURE
SP-136	1	Fan, Ventilating
X-157	1	Nut, Shaft, D.E., Slotted 1/2-20
X-260	1	Key, Woodruff, C.E., #5
X-263	1	Key, Woodruff, D.E., #8
X-358	1	Washer, Shaft, D.E., Plain 1/2
X-404	1	Pin, Cotter, 3/32x1
12X-864	1	Lockwasher, Shaft, C.E.

Drive End Head Assembly & Parts Used With

GBY-1057	1	Head Assy., Drive End
DG-143	1	Retainer, Bearing
GBY-57	1	Head
8X-66	3	Screw, Brg. Retaining, Flat Hd. #10-32x1/2
X-413	1	BEARING, BALL, SHIELDED, S.A.E. #304

Miscellaneous Parts

GCD-24	1	Band, Cover
X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

NOTE: - VRX-4001A CURRENT VOLTAGE REGULATOR is used with but is not a part of this generator.

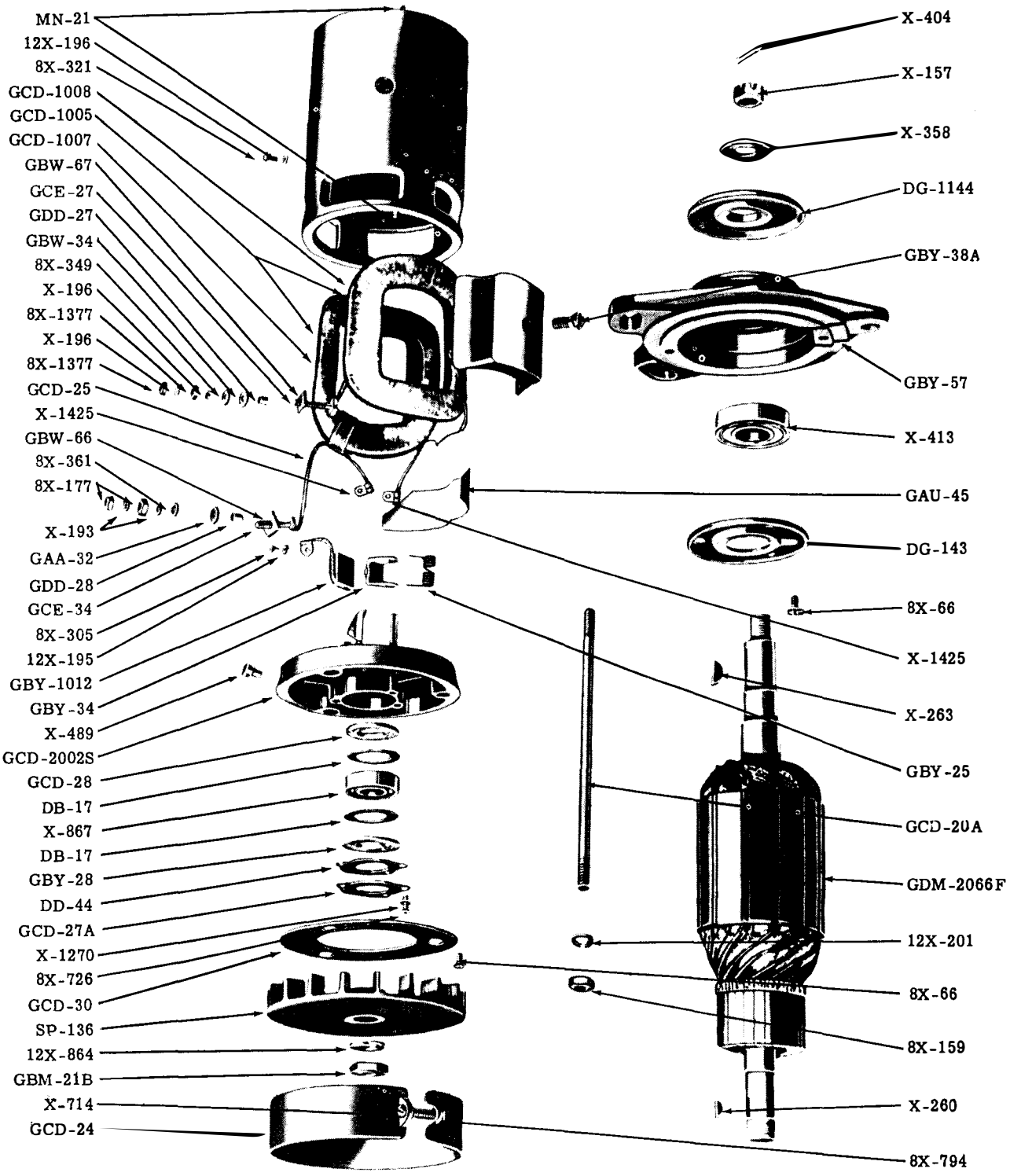
† BRUSH SET, SERVICE GCD-2012S.

UNIT	APPLICATION
GDM-4810-1	Buda, Climax

(Issued 6-16-48)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GDM-4810-1 GENERATOR PARTS ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

PRELIMINARY

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GCH-3021)	1	Frame & Field Assembly
GBF-55	1	Insulating Washer
GBG-22	1	Terminal Post
GBG-23	1	Terminal Post
GBG-28	1	Terminal Post Insulation
GBG-30	1	Field Connection Ins.
GBG-38	8	Pole Piece Screw
GBG-59	1	Control Lead Assembly
GBG-121	1	Terminal
X-1425	2	Terminal
GBG-62	1	Terminal Post Insulation
GBH-29	4	Pole Piece
GCH-1005	1	FIELD COIL ASSY.- Comp.
GCH-1007	1	Field Coil Assy.-U.R.
GBG-26	1	Terminal
GCH-1008	1	Field Coil - L.L.
GCH-1009	1	Field Coil - L.R.
GCH-1010	1	Field Coil Assy.-U.L.
X-1425	1	Terminal
GCY-27	1	Insulating Bushing
GCY-28	1	Insulating Bushing
MU-36	1	Insulating Washer
MU-37	1	5/16 Plain Washer
8X-183A	1	#10 Plain Washer
12X-196	1	#10 Lock Washer
12X-1014	1	5/16 Lock Washer
8X-1376	1	5/16-24 Hex. Nut
8X-1377	1	#10-32 Hex. Nut
12X-196	2	#10 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
12X-1014	1	5/16 Lock Washer
8X-1376	1	5/16-24 Hex. Nut
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

GBG-46	1	Spring Washer
GBG-47	1	Felt Washer
GBG-48	2	Felt Washer Retainer
GBG-50	1	Gasket
GBG-1056	1	Bearing Retainer Assembly
GBG-56	1	Bearing Retainer
GBG-57	1	Felt Washer Retainer
GBG-58	1	Felt Washer
(GCH-3053)	1	Comm. End Plate Assembly
DA-38	2	Spring Washer
DE-85	1	Steel Washer
GBG-41	2	Br. Holder Plate Screw
GBG-51	2	Plain Washer
GBG-53	1	Comm. End Plate
GBG-2031	1	Br. Holder Plate Assy.
GBG-18L	4	Brush Holder
GBG-36L	4	Brush Spring
GBG-40L	4	Brush Holder Terminal
GBG-85	4	Brush Holder Stud
GBG-1037L	4	Brush Arm
8X-173	4	#10-32 Hex. Nut
X-196	4	#10 Lock Washer
GCH-1012†	4	Brush - Main
GK-151	1	Plain Steel Washer
X-195	4	#8 Lock Washer
8X-208	1	#10-32x9/16 Hex. Hd. Sc.
8X-305	4	#8-32x1/4 Rd. Hd. Sc.
		1 2 3 4 5

Comm. End Plate Assembly (Con't.)

Part No.	No. Used	Name of Part
		1 2 3 4 5
8X-361	2	1/4 Plain Washer
X-1270	1	#10 Skpf. Washer
8X-118	6	#10-32x3/4 Fill. Hd. Screw
8X-119	4	#10-32x1/2 Fill. Hd. Screw
X-195	3	#8 Lock Washer
8X-305	3	#8-32x1/4 Rd. Hd. Screw
X-394	1	Screw In - Sleeve Oiler
X-440	1	BALL BEARING - Shielded
12X-544	10	#10 Lock Washer

Armature Assembly & Parts Used With

GBG-49	2	Armature Shaft Spacer
GBG-55	1	Armature Shaft Nut
GCY-2006F	1	ARMATURE ASSEMBLY
SP-1193	1	Drive Pulley
X-1177	2	5/8 Skpf. Washer
X-1178	2	5/8-18 Hex. Nut

Drive End Head Assembly & Parts Used With

GBG-1003	1	Drive End Head Assembly
GBG-3	1	Drive End Head
GBG-50	1	Gasket
GBG-57	1	Felt Washer Retainer
GBG-58	1	Felt Washer
GBG-1056	1	Bearing Retainer Assy.
GBG-56	1	Bearing Retainer
GBG-57	1	Felt Washer Retainer
GBG-58	1	Felt Washer
8X-119	4	#10-32x1/2 Fill. Hd. Sc.
X-196	4	#10 Lock Washer
X-444	1	BALL BRG.- S.A.E. #305
8X-118	6	#10-32x3/4 Fill. Hd. Screw
X-394	1	Screw In - Sleeve Oiler
12X-544	6	#10 Lock Washer

Miscellaneous Parts

GBG-24B	1	Head Band
8X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 5-20-41)

† SERVICE BRUSH SET GCH-2012S.

NOTE:- VRC-4102B CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GDO-4601A	Dodge Truck

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GDS-2001)	1	Frame & Field Assy.
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-58	1	Terminal Post
GBW-66	1	Term. Post Bottom Ins.
GBW-67	1	Term. Post Bottom Ins.
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
GDS-29	2	Pole Piece
GDS-30	1	Lead Assy.
GAA-27	1	Terminal Post
X-847	1	Terminal
GDS-1005A	1	Field Coil Assy. - Comp.
GDS-1007	1	Field Coil Assy.-Left
X-976	1	Terminal
GDS-1008A	1	Field Coil - Right
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
GK-20	2	Frame Screw
X-196	1	#10 Lock Washer
X-199	2	1/4 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw

Comm. End Plate Assy. & Parts Used With

(GDF-2002A)	1	Comm. End Plate Assy.
GAR-73	1	Oil Wick
GAR-98	1	Wick Cover
GBW-30A	1	Comm. End Cap Cover
GBW-31	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GCJ-51	1	3rd Brush Plate Rtg. Spr.
GCJ-1002C	1	Comm. End Plate Part Assy.
GBF-79	1	Absorbent Bronze Brg.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
GCJ-1014	1	3rd Brush Plate Assy.
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
GDF-1012‡	2	Brush - Main
GDF-1013‡	1	Brush - Third
X-195	5	#8 Lock Washer
8X-311	1	#10-32x3/8 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
8X-888	4	#8-32x5/16 Fill. Hd. So.
8X-1507	1	#8-32x1/4 Bdg. Hd. Screw
X-195	2	#8 Lock Washer
8X-1507	2	#8-32x1/4 Bdg. Hd. Screw
		1 2 3 4 5

Armature Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GDF-2006	1	Armature Assy.
GAR-171	1	Snap Ring
GR-32	1	Felt Washer Retainer
SP-1323	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assy. & Parts Used With

GBJ-1065	1	Drive End Head Assy.
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GBJ-65	1	Drive End Head
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Screw

Miscellaneous Parts

GBW-24	1	Head Band
X-714	1	#10-32x1 1/2 Rd. Hd. Screw
8X-794	1	#10-32 square nut.
		1 2 3 4 5

(Issued 10-18-38)

NOTE:- VRD-4008A Voltage Regulator is used with but is not a part of this generator.

‡ Service Brush Set GDF-2012S.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GDS-4801A GENERATOR ILLUSTRATION

Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GDS-2032)	1	Frame & Field Assy.
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GAR-21	1	Aligning Dowel
GBW-34	1	Insulating Washer
GBW-58	1	Terminal Post
GBW-66	1	Terminal Post Bottom Ins.
GBW-67	1	Terminal Post Bottom Ins.
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
GDS-29	2	Pole Piece
GDS-30	1	Lead Assy.
GAA-27	1	Terminal Post
X-847	1	Terminal
GDS-1005	1	Field Coil Assy. - Comp.
GDS-1007	1	Field Coil Assy.-Left
X-976	1	Terminal
GDS-1008	1	Field Coil - Right
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
GK-20	2	Frame Screw
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	2	#10 Lock Washer
X-199	2	1/4 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
5X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assy. & Parts Used With

DA-39	2	Flat Oil Guard
DA-70	1	Armature Shaft Nut
GAR-83A	1	Comm. End Cap Cover
GBJ-25	1	End Cap Cover Gasket
(GDF-2082)	1	Comm. End Plate Assy.
GCJ-51	1	3rd Brush Plate Rtg. Spr.
GCJ-1014	1	3rd Brush Plate Assy.
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
GCJ-1082	1	Comm. End Plate Part Assy.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
GDF-1012‡	2	Brush - Main
GDF-1013‡	1	Brush - Third
X-195	1	#8 Lock Washer
8X-311	1	#10-32x3/8 Rd. Hd. Screw
8X-1507	1	#8-32x1/4 Bdg. Hd. Screw
		1 2 3 4 5

Comm. End Plate Assy. (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
GR-32	1	Felt Washer Retainer
GR-35	2	Felt Washer
X-195	2	#8 Lock Washer
X-295	1	Ball Bearing - S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Screw
8X-1507	2	#8-32x1/4 Bdg. Hd. Screw

Armature Assy. & Parts Used With

GDF-2097	1	Armature Assy.
GAR-171	2	Snap Ring
GR-32	1	Felt Washer Retainer
*	1	Drive Pulley
X-161	1	1/2-20 Hex. Nut
X-264	1	#9 Woodruff Key
X-1500	1	1/2 Skpf. Washer

Drive End Head Assy. & Parts Used With

GDS-1033	1	Drive End Head Assy.
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GDS-33	1	Drive End Head
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Screw

Miscellaneous Parts

GBW-24	1	Head Band
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 10-18-38)

NOTE: VRD-4010A Voltage Regulator is used with but is not a part of this generator.

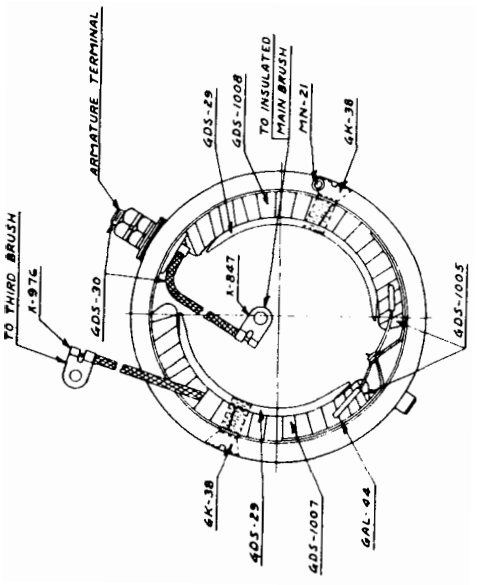
* See table following parts list for part number applying to assembly wanted.

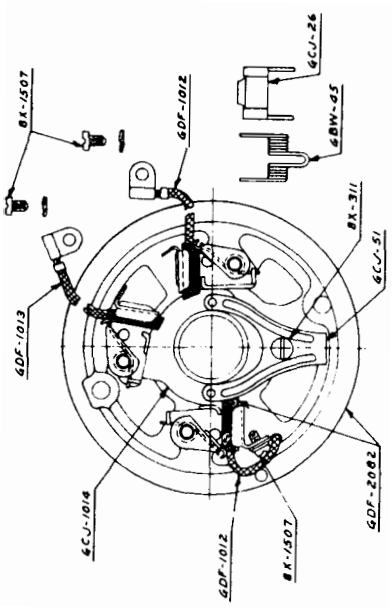
‡ Service Brush Set GDF-2012S.

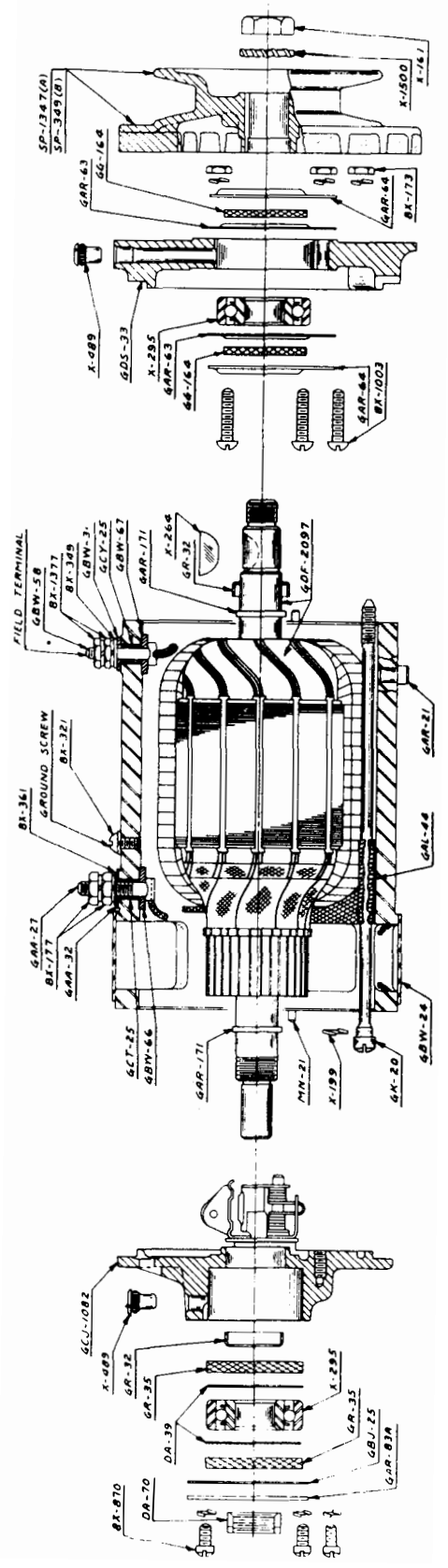
Assy. No.	Drive Pulley
GDS-4802A	SP-1347
GDS-4802B	SP-349

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GDS-4802A,B GENERATOR ILLUSTRATION







Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCJ-33	1	Grounding Cup
(GDS-2001A)	1	Frame & Field Assy.
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-58	1	Terminal Post
GBW-66	1	Terminal Post Bottom Ins.
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
GDS-29	2	Pole Piece
GDS-30	1	Lead Assembly
GAA-27	1	Terminal Post
X-847	1	Terminal
GDS-34	1	Terminal Post Bottom Ins.
GDS-1005A	1	FIELD COIL ASSY.- COMP.
GDS-1007	1	Field Coil Assy.-Left
X-976	1	Terminal
GDS-1008A	1	Field Coil - Right
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
GK-20	2	Frame Screw
X-196	2	#10 Lock Washer
X-199	2	1/4 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
X-966	1	Terminal
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assy. & Parts Used With

(GDF-2002A)	1	Comm. End Plate Assembly
GAR-73	1	Oil Wick
GAR-98A	1	Wick Cover
GBW-30B	1	Comm. End Cap Cover
GBW-31	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GCJ-51	1	3rd Brush Plate Retaining Spring
GCJ-1002C	1	C. E. Plate Part Assy.
GBF-79	1	ABSORBENT BRONZE BRG.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
GCJ-1014	1	3rd Brush Plate Assy.
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
GDF-1012‡	2	Brush - Main
GDF-1013‡	1	Brush - Third
X-195	5	#8 Lock Washer
8X-311	1	#10-32x3/8 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
8X-888	4	#8-32x5/16 Fill. Hd. Sc.
8X-1507	1	#8-32x1/4 Bdg. Hd. Screw
X-195	2	#8 Lock Washer
8X-1507	2	#8-32x1/4 Bdg. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GDF-2006	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GR-32	1	Felt Washer Retainer
SP-1323	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assy. & Parts Used With

GBJ-1065	1	Drive End Head Assembly
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GBJ-65	1	D. E. Head
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	BALL BRG.- S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Screw

Miscellaneous Parts

GBW-24	1	Head Band Assembly
X-714	1	#10-32x1 1/2 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 8-21-39)

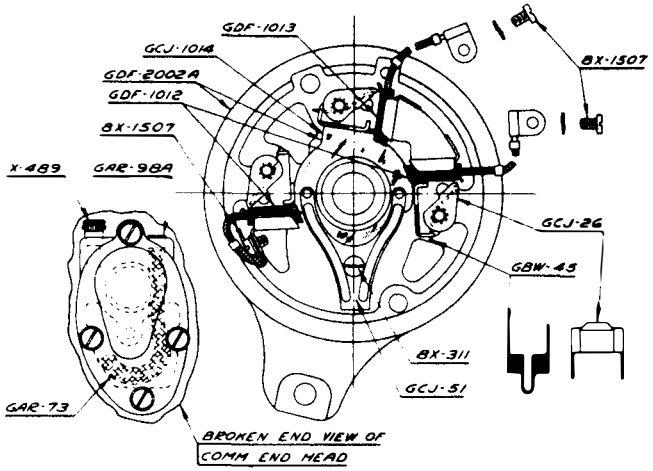
‡ Service BRUSH SET GDF-2012S.

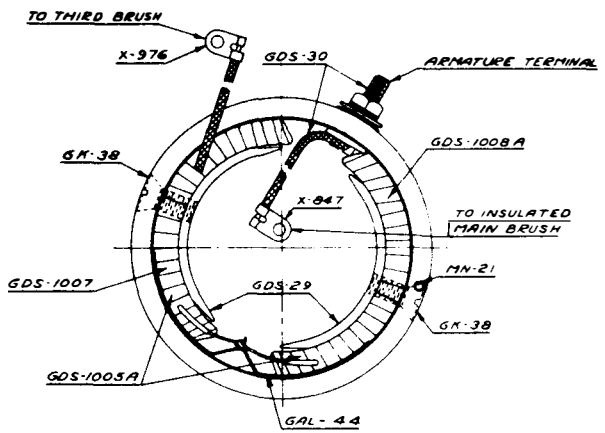
NOTE:- CBA-4003 CIRCUIT BREAKER is used with but is not a part of this generator.

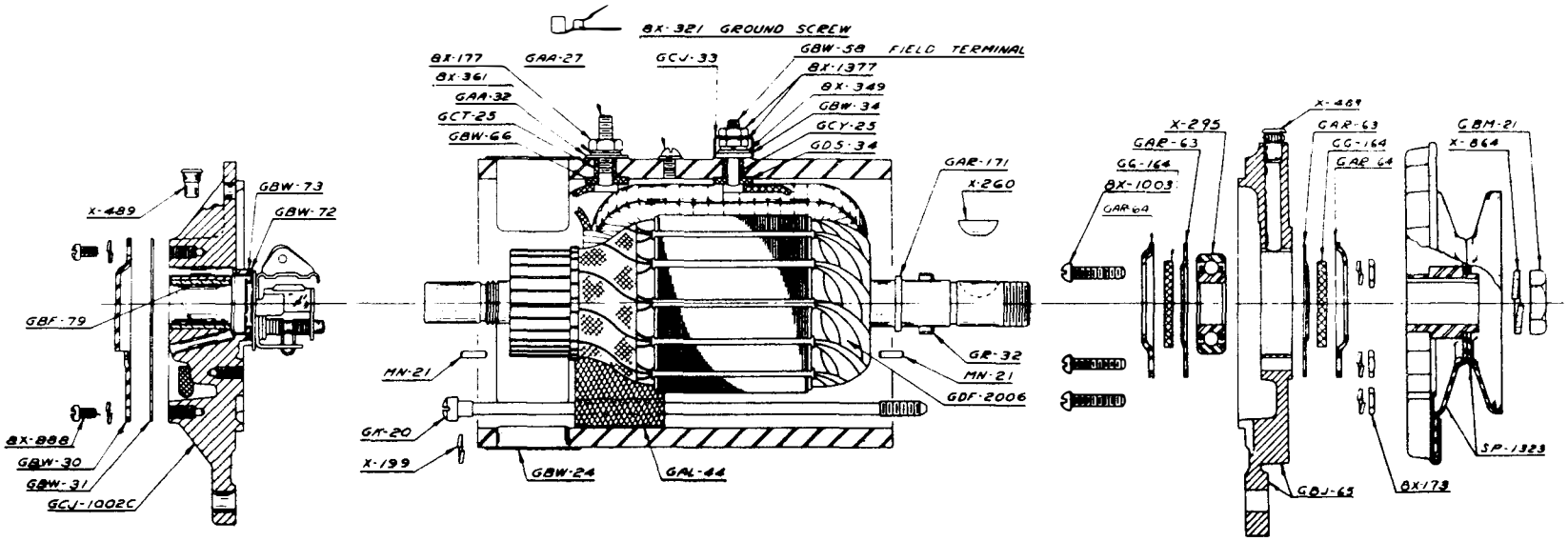
UNIT	APPLICATION
GDS-4803A	Hudson

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GDS-4803A GENERATOR ILLUSTRATION







ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GDT-4802 GENERATOR PARTS LIST GDT-4802

PRELIMINARY

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCD-20	2	Frame Screw
(GDT-2001)	1	Frame & Field Assembly
GAA-32	1	Terminal Post Top Ins.
GAU-45	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-66	1	Terminal Post Bottom Ins.
GBW-67	1	Terminal Post Bottom Ins.
GBY-29	2	Pole Piece
GBY-38	4	Pole Piece Screw
GDD-27	1	Insulating Bushing
GDD-28	1	Insulating Bushing
GDT-1005	1	FIELD COIL ASSY.- Comp.
GDT-1007	1	Field Coil Assy.-Left
GCD-25	1	Lead Assembly
GCE-34	1	Terminal Post
X-847	1	Terminal
IG-821	1	Terminal
GDT-1008	1	Field Coil Assy.-Right
GCE-27	1	Terminal Post
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
8X-159	2	3/8-24 Hex. Nut
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	2	#10 Lock Washer
X-201	2	3/8 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

DB-17	2	Felt Guard
DD-44	1	End Cap Cover Gasket
GBY-28	1	Felt Washer
GCD-27	1	Comm. End Cap Cover
GCD-28	1	Felt Washer
GCD-30	1	Air Deflector
GCD-2002	1	Comm. End Plate Assembly
GBY-25	2	Brush Spring
GBY-34	2	Brush Arm
GBY-1012†	2	Brush - Main
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-62	6	#10-32x3/8 Flat Hd. Screw
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
X-867	1	BALL BEARING
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DG-1144	1	Oil Thrower
GBM-21	1	Armature Shaft Nut
GDT-2045F	1	ARMATURE ASSEMBLY
SP-366	1	Ventilating Fan
X-157	1	1/2-20 Slotted Nut
X-260	1	#5 Woodruff Key
X-263	1	#8 Woodruff Key
X-358	1	1/2 Plain Steel Washer
X-404	1	3/32x1 Cotter Pin
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GCD-1003	1	Drive End Head Assembly
DG-143	1	Bearing Retainer
GCD-3	1	Drive End Head
8X-66	3	#10-32x1/2 Flat Hd. Sc.
X-413	1	BALL BRG. Shielded - S.A.E. #304

Miscellaneous Parts

GCD-24	1	Head Band
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 7-2-41)

† SERVICE BRUSH SET GCD-2012S.

NOTE:- VRJ-4001A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GDT-4802	Diamond T, Duplex Truck

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCD-20	2	Frame Screw
(GDT-2049)	1	Frame & Field Assy.
GAA-32	1	Terminal Post Top Ins.
GAU-45	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-66	1	Term. Post Bottom Ins.
GBW-67	1	Term. Post Bottom Ins.
GBY-29	2	Pole Piece
GBY-38	4	Pole Piece Screw
GDD-27	1	Insulating Bushing
GDD-28	1	Insulating Bushing
GDT-1005	1	FIELD COIL ASSY.-COMP.
GDT-1007	1	Field Coil Assy.-Left
GCD-25	1	Lead Assy.
GCE-34	1	Terminal Post
X-847	1	Terminal
IG-821	1	Terminal
GDT-1008	1	Field Coil Assy.-Right
GCE-27	1	Terminal Post
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
8X-159	2	3/8-24 Hex. Nut
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	2	#10 Lock Washer
X-201	2	3/8 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Sc.
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

DB-17	2	Felt Guard
DD-44	1	End Cap Cover Gasket
GAG-77	1	Armature Shaft Nut
GBY-28	1	Felt Washer
GBY-30	1	Oil Wick
GCD-2032	1	Comm. End Plate Assy.
GBY-25	2	Brush Spring
GBY-34	2	Brush Arm
GBY-1012‡	2	Brush - Main
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
GDT-24	1	Comm. End Cap Cover
GDT-28	1	Felt Washer
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-867	1	BALL BEARING
X-489	1	1/4 Oiler - Press in Type
X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Sc.
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GDT-2050F	1	ARMATURE ASSEMBLY
SP-365	1	Drive Pulley
X-258	1	#3 Woodruff Key
X-263	1	#8 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GCD-1033	1	Drive End Head Assy.
GAB-188	2	Felt Washer
GAR-179	2	Felt Guard
GBY-27	2	Bearing Retainer
GCD-33	1	Drive End Head
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
8X-306	3	#10-32x1 Rd. Hd. Screw
X-365	1	BALL BRG. - S.A.E. #303
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

GCD-24	1	Head Band
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 4-18-40)

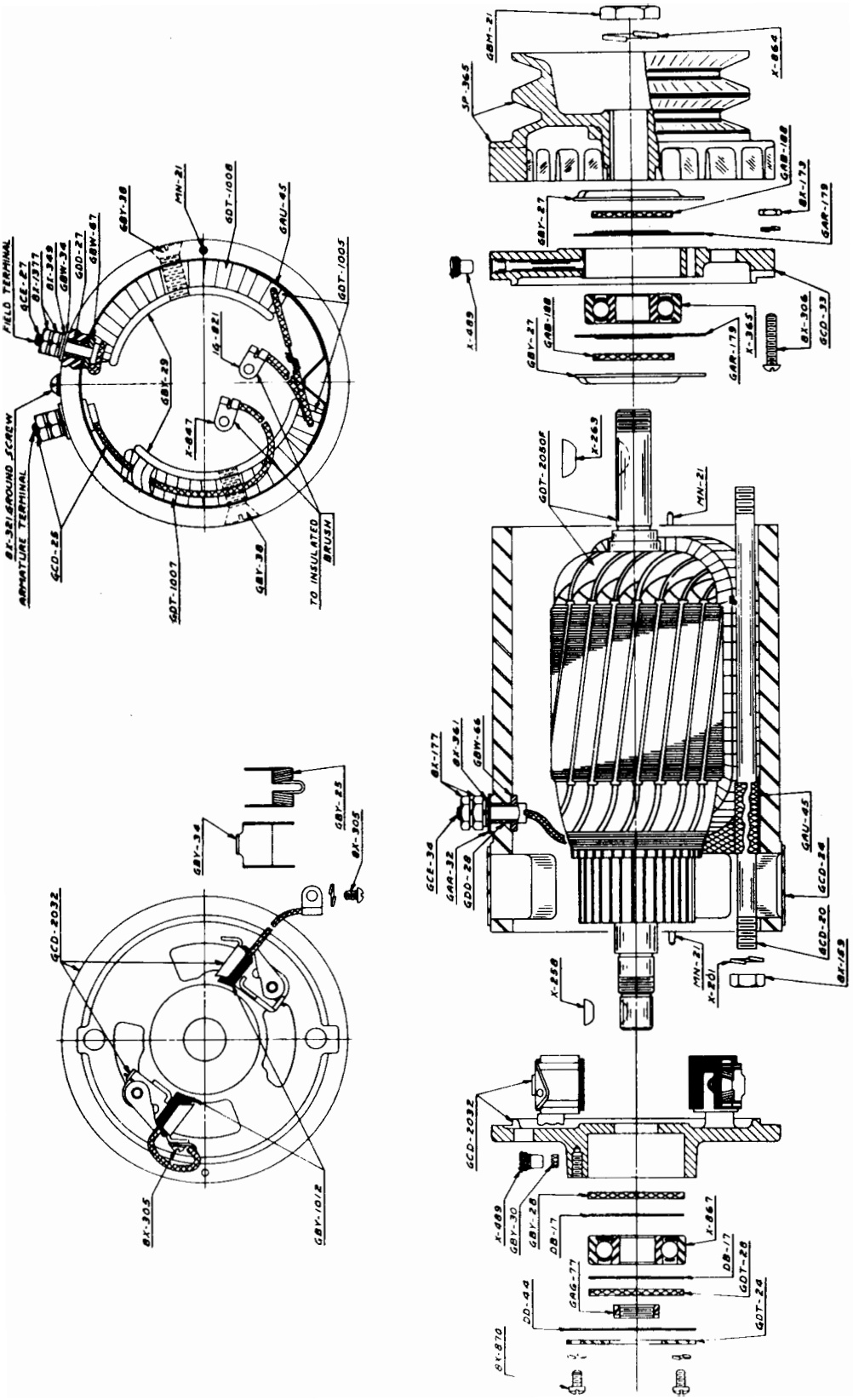
‡ Service BRUSH SET GCD-2012S.

NOTE:- VRJ-4002A CURRENT VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GDT-4803A	Seagrave Corp.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GDT-4803A GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GCD-20A	1	Bolt, Thru
(GDT-2056)	1	Frame & Field Assy.
DG-41S	1	Bracket, Gen. Mtg.
GAA-32	1	Washer, Ins., Arm. Term., Outer
GAU-45	1	Insulation, Field Connection
GBW-34	1	Washer, Ins., Field Term., Outer
GBW-66	1	Insulation, Square, Arm. Term., Inner
GBW-67	1	Insulation, Square, Field Term., Inner
GBY-38A	4	Screw, Pole Shoe
GDD-27	1	Bushing, Ins., Field Term.
GDD-28	1	Bushing, Ins., Arm. Term.
GDT-1005	1	COIL ASSY., FIELD, COMPLETE
GDT-1007	1	Coil Assy., Field, Left
GCD-25	1	Lead Assembly
GCE-34	1	Stud, Arm. Term., #14-24
X-1425	1	Terminal
X-1425	1	Terminal
GDT-1008	1	Coil Assy., Field, Right
GCE-27	1	Stud, Field Term., #10-32
MN-21	2	Pin, Dowel
X-82	4	Screw, Gen. Mtg., Flat Hd. 1/4-28x9/16
8X-177	2	Nut, Arm. Term., Hex. #14-24
X-193	2	Lockwasher, Arm. Term., #14
X-196	2	Lockwasher, Field Term., #10
8X-349	1	Washer, Plain, Field Term., #10
8X-361	1	Washer, Plain, Arm. Term., 1/4
8X-1377	2	Nut, Field Term., Hex. #10-32
8X-159	2	Nut, Thru Bolt, Hex. 3/8-24
12X-196	1	Lockwasher, Ground Screw, #10
12X-201	2	Lockwasher, Thru Bolt, 3/8
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

DA-22	1	Washer, Bearing Retaining
DA-60	1	Screw, Bearing Retaining
DB-17	1	Washer, Plain, Felt Retaining
DD-24C	1	Cover, Comm. End
DD-44	1	Gasket, C.E. Cover

Comm. End Head Assy. (Continued)

Part No.	No. Used	Name of Part
GBY-28	1	Washer, Felt
GCD-2032	1	Head Assy., Comm. End
GBY-25	2	Spring, Brush
GBY-34	2	Arm, Brush
GBY-1012†	2	Brush
8X-119	3	Screw, Cover, Fill. Hd. #10-32x1/2
12X-195	2	Lockwasher, Brush Lead Sc., #8
12X-199	1	Lockwasher, Brg. Retaining Sc., 1/4
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler
12X-544	3	Lockwasher, Cover Screw, #10
X-867	1	BEARING, BALL, SHIELDED, S.A.E. #303

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm. Shaft, D.E.
GDT-2031F	1	Armature
SP-580	1	Pulley, Drive
X-263	1	Key, Woodruff, #8
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

GCD-1033	1	Head Assy., Drive End
GAB-188	2	Washer, Felt
GAR-179	2	Retainer, Felt Washer
GBY-27	2	Retainer, Bearing
GCD-33	1	Head
8X-173	3	Nut, Retainer Sc., Hex. #10-32
X-196	3	Lockwasher, Retainer Sc., #10
8X-306	3	Screw, Bearing Retainer, Rd. Hd. #10-32x1
X-365	1	BEARING, BALL, S.A.E. #303
X-489	1	Oiler

Miscellaneous Parts

GCD-24	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GCD-2012S.

NOTE: VRP-4006F CURRENT VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GDT-4804A	Harnischfeger

(Issued 3-31-49)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part 1 2 3 4 5
GAU-20A	2	Frame Screw
(GDU-2001)	1	Frame & Field Assembly
GAA-30	1	Terminal Post Bottom Ins.
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GAM-73	1	Terminal Lead Assy.
GAA-27	1	Terminal Post
X-947	1	Terminal
GCT-25	1	Insulating Bushing
GDU-29	2	Pole Piece
GDU-1005	1	FIELD COIL ASSY.- COMP.
GDU-1007	1	Field Coil Assy.-Left
X-946	1	Terminal
GDU-1008	1	Field Coil Assy.-Right
X-959	1	Terminal
GK-38	4	Pole Piece Screw
MN-21	2	Dowel Pin
8X-140	1	#6-32 Hex. Nut
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-194	1	#6 Lock Washer
8X-361	1	1/4 Plain Washer
8X-1008	1	#6-32x9/16 Rd. Hd. Screw
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
X-203	2	5/16 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw

Comm. End Plate Assy. & Parts Used With

GCX-39	1	Ground Spring
(GDU-2002)	1	Comm. End Plate Assembly
GAL-12‡	2	Brush - Main
GAL-199	2	Brush Screw Block
GAL-204	1	Ground Connector Assy.
X-958	2	Terminal
GAL-205	2	3rd Brush Plate Retaining Spring
GAL-242	2	Brush Holder
GCX-19	2	Brush Spring
GCX-2037A	1	3rd Brush Holder Plate Assembly
GAL-199	1	Brush Screw Block
GAL-242	1	Brush Holder
GAR-13‡	1	Brush - Third
GCX-19	1	Brush Spring
GCX-1037	1	3rd Brush Plate Part Assembly
8X-59	1	#8-32x3/16 Rd. Hd. Sc.
X-1276	1	#8 Skpf. Washer
8X-1505	1	#8-32x9/16 Bdg. Hd. Sc.
GDU-1002	1	C. E. Plate Part Assy.
8X-59	2	#8-32x3/16 Rd. Hd. Sc.
8X-63	2	#8-32x3/8 Flat Hd. Sc.
X-195	2	#8 Lock Washer
8X-304	1	#8-32x5/16 Rd. Hd. Screw
X-1276	1	#8 Skpf. Washer
8X-1505	2	#8-32x9/16 Bdg. Hd. Sc.
X-1502	1	BALL BEARING - OIL SEAL 1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part 1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GCX-23	1	Armature Shaft Spacer
GCX-2034	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assy. & Parts Used With

GDU-1003	1	Drive End Head Assembly
GDU-3	1	Drive End Head
GG-6	2	Bearing Retainer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
8X-316	3	#10-32x3/4 Rd. Hd. Sc.
X-1501	1	BALL BRG.- OIL SEAL

Miscellaneous Parts

GBW-24	1	Head Band Assembly
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut 1 2 3 4 5

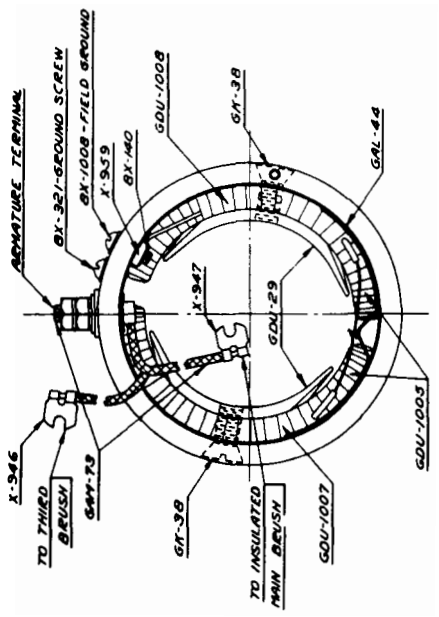
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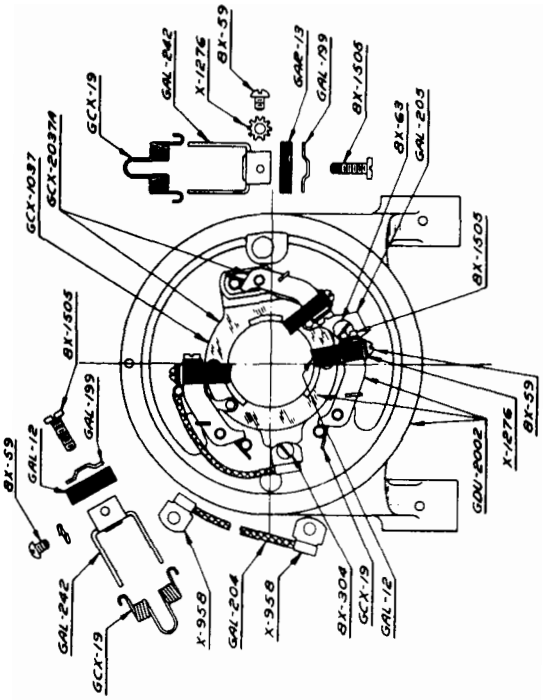
‡ Service BRUSH SET GAL-2012A.

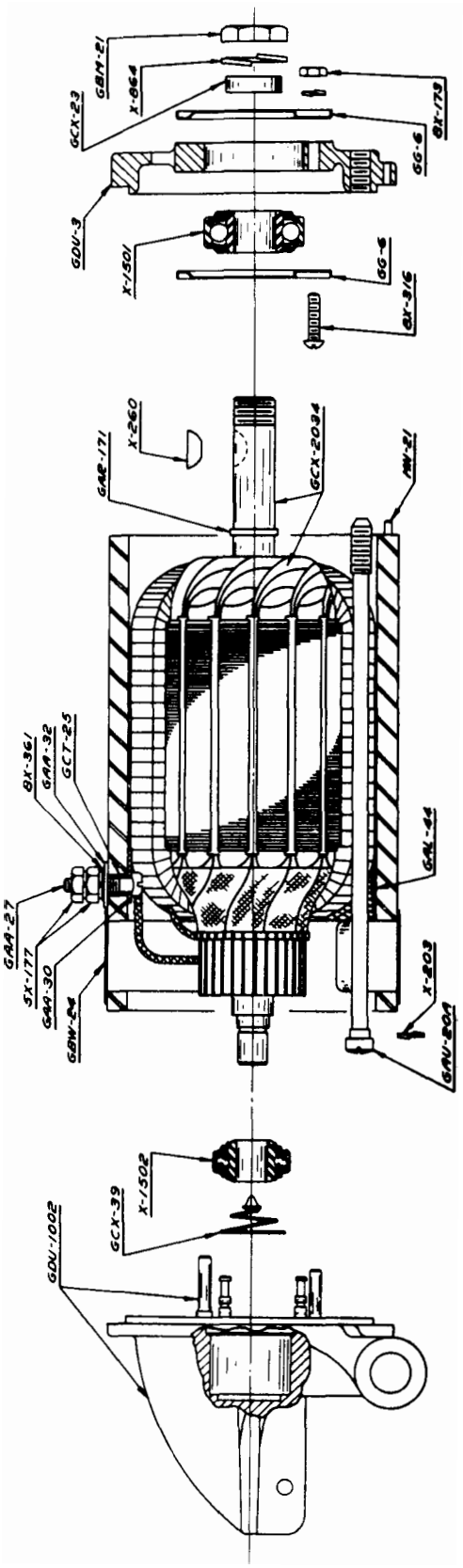
UNIT	APPLICATION
GDU-4501	Parris-Dunn Corp.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GDU-4501 GENERATOR ILLUSTRATION







Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GDW-3021)	1	Frame & Field Assembly
GBF-55	1	Insulating Washer
GBG-22	1	Terminal Post
GBG-23	1	Terminal Post 5/16-24
GBG-28	1	Terminal Post Ins.
GBG-30	1	Field Connection Ins.
GBG-38	8	Pole Piece Screw
GBG-62	1	Terminal Post Ins.
GBH-29	4	Pole Piece
GCY-27	1	Insulating Bushing
GCY-28	1	Insulating Bushing
GDW-30	1	Control Lead Assy.
MAB-14A	1	Terminal
X-1425	1	Terminal
GDW-1005	1	FIELD COIL ASSY. - COMP.
GDW-1007	1	Field Coil Assy. - U.R.
X-1425	1	Terminal
GDW-1008	1	Field Coil - L.L.
GDW-1009	1	Field Coil - L.R.
GDW-1010	1	Field Coil Assy. - U.L.
GBG-26	1	Terminal
MU-36	1	Insulating Washer
MU-37	1	5/16 Plain Washer
8X-183A	1	#10 Plain Washer
12X-196	1	#10 Lock Washer
12X-1014	1	5/16 Lock Washer
8X-1376	1	5/16-24 Hex. Nut
8X-1377	1	#10-32 Hex. Nut
12X-196	2	#10 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
12X-1014	1	5/16 Lock Washer
8X-1376	1	5/16-24 Hex. Nut
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

GBG-46	1	Spring Washer
GBG-47	1	Felt Washer
GBG-48	2	Felt Washer Retainer
GBG-50	1	Gasket
GBG-1056	1	Bearing Retainer Assembly
GBG-56	1	Bearing Retainer
GBG-57	1	Felt Washer Retainer
GBG-58	1	Felt Washer
(GDW-3053)	1	Comm. End Plate Assy.
DA-38	2	Spring Washer
DE-85	1	Steel Washer
GBG-41	2	Brush Holder Plate
GBG-51	2	Plain Washer
GBG-53	1	Comm. End Plate
GDW-1012‡	2	Brush - Main
GDW-2031	1	Brush Holder Plate Assy.
GBG-18L	2	Brush Holder
GBG-36L	2	Brush Spring
GBG-40L	2	Brush Holder Terminal
GBG-85	2	Brush Holder Stud
GBG-1037L	2	Brush Arm
8X-173	2	#10-32 Hex. Nut
X-196	2	#10 Lock Washer
GK-151	1	Plain Steel Washer
X-195	2	#8 Lock Washer
8X-208	1	#10-32x9/16 Hex. Hd. Sc.
8X-305	2	#8-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

Comm. End Plate Assembly (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
8X-361	2	1/4 Plain Washer
X-1270	1	#10 Skpf. Washer
8X-118	6	#10-32x3/4 Fill. Hd. Screw
8X-119	4	#10-32x1/2 Fill. Hd. Screw
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-394	1	Screw In - Sleeve Oiler
X-440	1	BALL BEARING - SHIELDED
12X-544	10	#10 Lock Washer

Armature Assembly & Parts Used With

GBG-49	2	Armature Shaft Spacer
GBG-55	1	Armature Shaft Nut
GDW-2006F	1	ARMATURE ASSEMBLY
SP-1193	1	Drive Pulley Assembly
SP-193	1	Drive Pulley
SP-194	1	Drive Pulley Face Plate
X-330	3	#10-32x9/16 Oval Hd. Ctsk. Screw
X-1177	2	5/8 Skpf. Washer
X-1178	2	5/8-18 Hex. Nut

Drive End Head Assembly & Parts Used With

GBG-1003	1	Drive End Head Assembly
GBG-3	1	Drive End Head
GBG-50	1	Gasket
GBG-57	1	Felt Washer Retainer
GBG-58	1	Felt Washer
GBG-1056	1	Bearing Retainer Assembly
GBG-56	1	Bearing Retainer
GBG-57	1	Felt Washer Retainer
GBG-58	1	Felt Washer
8X-119	4	#10-32x1/2 Fill. Hd. Screw
X-196	4	#10 Lock Washer
X-444	1	BALL BEARING - S.A.E. #305
8X-118	6	#10-32x3/4 Fill. Hd. Screw
X-394	1	Screw In - Sleeve Oiler
12X-544	6	#10 Lock Washer

Miscellaneous Parts

GBG-24C	1	Head Band
8X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 5-9-39)

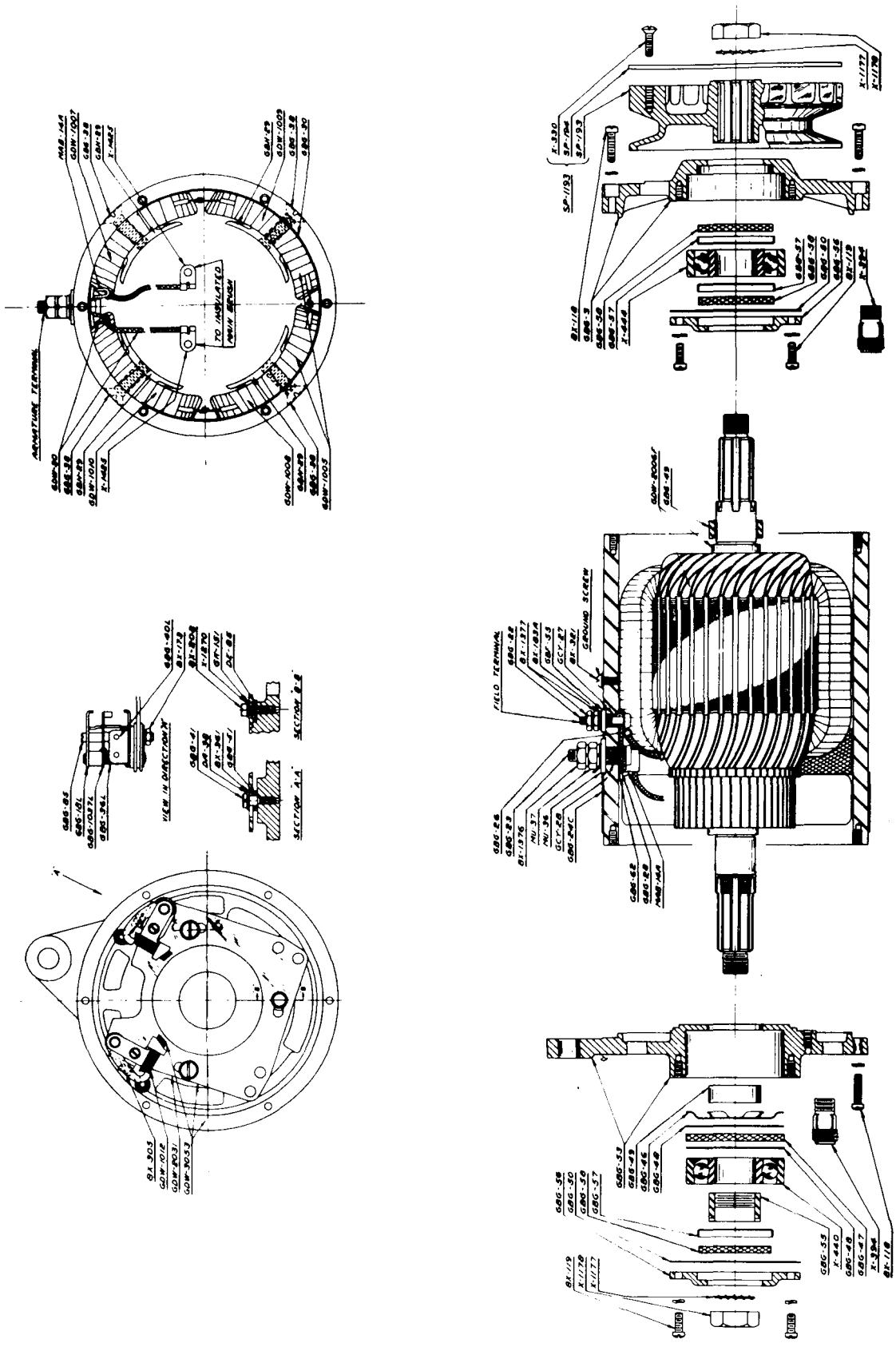
NOTE:- VRK-4001A CURRENT VOLTAGE REGULATOR is used with but is not a part of this generator.

‡ Service BRUSH SET GDW-2012S.

UNIT	APPLICATION
GDW-4601A	Dodge Truck, Fargo Truck

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GDW-4601A GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GDW-2001)	1	Frame & Field Assembly
GBF-55	1	Insulation, Field Term.
GBG-22	1	Post, Field Term., #10-32
GBG-28	1	Insulation, Term. Post
GBG-30	1	Insulation, Field Connection
GBG-38	8	Screw, Pole Piece
GBG-62	1	Insulation, Term. Post
GBH-29	4	Pole Piece
GCY-27	1	Bushing, Ins., Field Term.
GCY-28	2	Bushing, Ins., "A & G" Term
GDW-22	1	Insulation, Grd. Term.
GDW-26	1	Lead Assembly
GDW-23	1	Post, Arm. Term.
X-1425	1	Terminal
GDW-1005A	1	Coil Assy., Field, Comp.
GDW-1007	1	Coil Assy., Field, U.R.
X-1425	1	Terminal
GDW-1008	1	Coil, Field, L.L.
GDW-1009	1	Coil, Field, L.R.
GDW-1010A	1	Coil Assy., Field, U.L.
GBG-26	1	Terminal
GDW-24	1	Lead Assembly
GDW-23	1	Post, Grd. Term.
X-1425	1	Terminal
MU-36	2	Washer, Ins., "A & G" Term.
MU-37	2	Washer, Plain "A & G" Term.
8X-183A	1	Washer, Plain, Field Term.
X-196	2	Washer, Lock, Field Term.
X-1014	4	Washer, Lock, "A & G" Term.
8X-1376	4	Nut, Arm. & Grd. Term.
8X-1377	2	Nut, Field Term., Hex.

Comm. End Head Assembly & Parts Used With

DA-60	1	Screw, Ret'g., C.E. Brg.
GBG-46	1	Washer, Spring
GBG-47	1	Washer, Felt
GBG-48	2	Retainer, Felt Washer
GBG-63	1	Cover, Comm. End
GBG-64	1	Gasket, Comm. End Cover
GBG-66	1	Washer, Brg. Retainer
(GDW-2060)	1	Head Assy., Comm. End
DA-38	2	Washer, Spring, Plate Holding Screw
DE-85	1	Washer, Plain, Pl. Lock Sc.
GBG-41	2	Screw, Br. Plate Holding
GBG-51	2	Washer, Plain, Pl. Hld'g. Sc.
GBG-60	1	Head
GDW-1012†	2	Brush
GDW-1031	1	Plate Assy., Brush
GBG-18R	2	Holder, Brush
GBG-36	2	Spring, Brush
GBG-40	2	Terminal, Brush Holder
GBG-85	2	Stud, Brush Holder
GBG-1037	2	Arm, Brush
8X-173	2	Nut, Brush Stud, Hex.
X-196	2	Washer, Lock, Br. Stud

1 2 3 4 5

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
GK-151	1	Washer, Plain, Pl. Hld'g. Sc.
X-195	2	Washer, Lock, Br. Lead Sc.
8X-208	1	Screw, Lock, Br. Plate
8X-305	2	Screw, Brush Lead
8X-361	2	Washer, Plain, Pl. Hld'g. Sc.
X-1270	1	Washer, Skpf., Pl. Lock Sc.
8X-118	6	Screw, Fill. Hd., #10-32x3/4
8X-119	4	Screw, Fill. Hd., #10-32x1/2
X-195	2	Washer, Lock, #8
X-196	4	Washer, Lock, #10
X-199	1	Washer, Lock, 1/4
8X-305	2	Screw, Rd. Hd., #8-32x1/4
X-394	1	Oiler, Screw-in Sleeve
X-440	1	Bearing, Ball, Shielded, S.A.E. #305
X-544	6	Washer, Lock, #10

Armature Assembly & Parts Used With

GBG-49	2	Spacer, Armature Shaft
GDW-2030F	1	Armature
*	1	Pulley, Drive
X-263	1	Key, Woodruff, #8
X-1134	1	Washer, Plain, 5/8
X-1177	1	Washer, Skpf., 5/8
X-1178	1	Nut, Hex., 5/8-18

Drive End Head Assembly & Parts Used With

GBG-1065	1	Head Assy., Drive End
GBG-50	1	Gasket, Bearing Retainer
GBG-57	1	Retainer, Felt Washer, Outer
GBG-58	1	Washer, Felt, Outer
GBG-65	1	Head
GBG-1056	1	Retainer Assy., Bearing
GBG-56	1	Retainer, Bearing
GBG-57	1	Retainer, Felt Washer
GBG-58	1	Washer, Felt
8X-119	4	Screw, Fill. Hd., #10-32x1/2
X-196	4	Washer, Lock, #10
X-444	1	Bearing, Ball, S.A.E. #305
8X-118	6	Screw, Fill. Hd., #10-32x3/4
X-196	6	Washer, Lock, #10
X-394	1	Oiler, Screw-in Sleeve

Miscellaneous Parts

GBG-24	1	Band, Head
X-715	1	Screw, Rd. Hd., #10-32x1 1/4
8X-794	1	Nut, Square, #10-32

1 2 3 4 5

(Issued 1-12-1943)

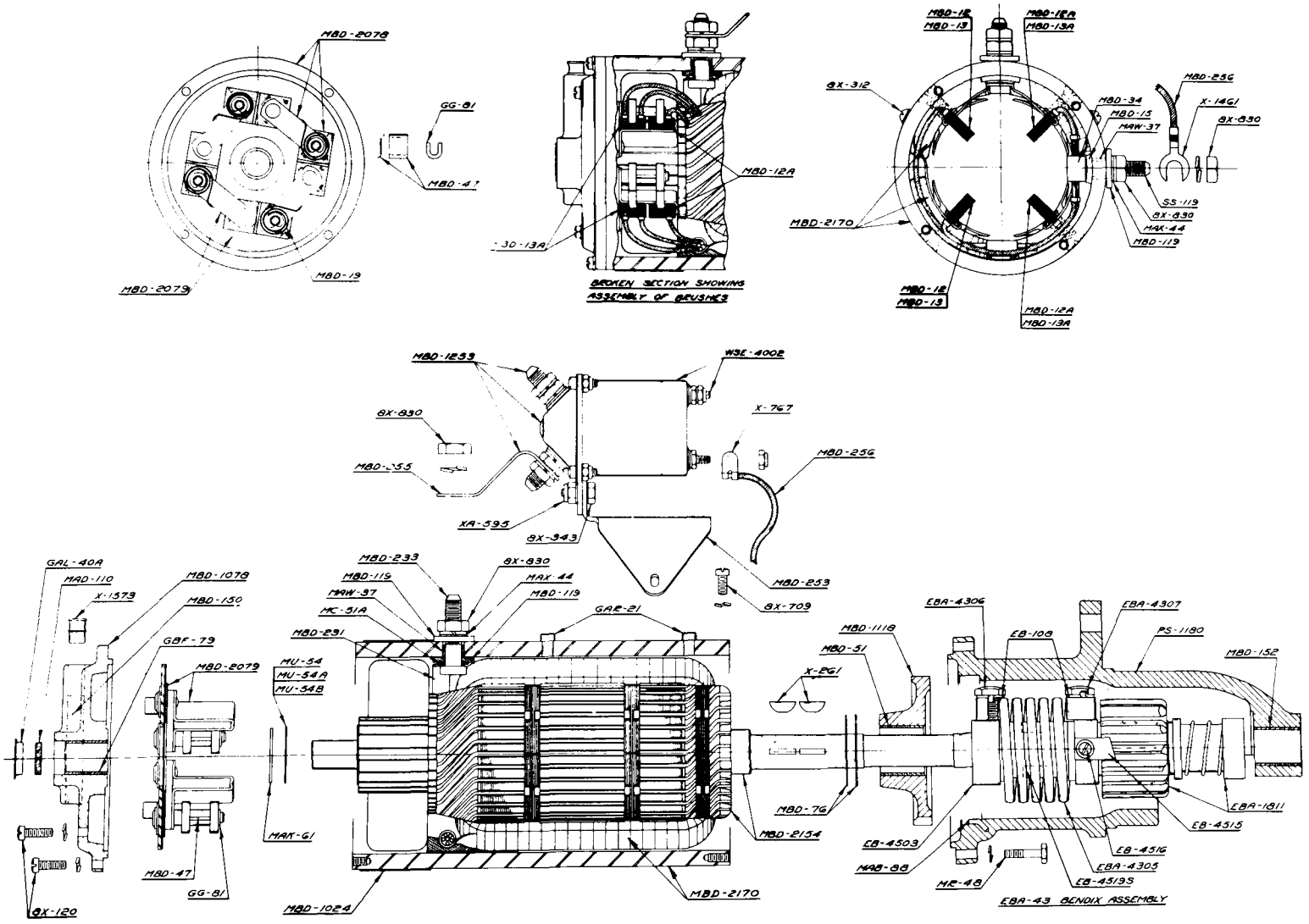
Assembly No.	Pulley, Drive
GDW-4604A	SP-412
GDW-4604B	SP-635

† Brush Set, Service GDW-2012S.

NOTE:- VRV-4002A Current-Voltage Regulator is used with but is not a part of this generator.

* See table following parts list for part number applying to assembly wanted.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking su -parts the complete part can be assembled as needed."


MBD-2078
GG-81
MBD-47
MBD-2079
MBD-19
30-13A
MBD-12A
BROKEN SECTION SHOWING ASSEMBLY OF BRUSHES
MBD-18
MBD-19
MBD-18A
MBD-13A
BX-312
MBD-256
X-1461
BX-830
MBD-34
MBD-13
MAW-37
SS-119
BX-830
MAX-44
MBD-119
MBD-2170
MBD-18
MBD-19
MBD-12A
MBD-13A
MBD-1233
WSE-4002
BX-830
X-767
MBD-256
MBD-255
XA-595
BX-343
MBD-253
BX-709
GAL-40A
MAD-110
X-1573
MBD-1078
MBD-150
GBF-79
MBD-2079
MBD-47
GG-81
BX-120
MBD-233
MBD-119
MAW-37
MC-51A
MBD-291
BX-830
MAX-44
MBD-119
GAE-21
MU-54
MU-54A
MU-54B
MAK-61
MBD-1024
MBD-2170
MBD-2134
MBD-76
MBD-1118
MBD-51
X-261
EBA-4306
EBA-4307
EB-108
PS-1180
MBD-152
EB-4503
MAB-88
MC-48
EB-4516
EBA-4305
EB-4515S
EBA-1811
EB-4515
EBA-43 BENDIX ASSEMBLY

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GDW-2054)	1	Frame & Field Assy.
GBF-55	1	Washer, Ins., Field Term., Outer
GBG-22	1	Stud, Field Term., #10-32
GBG-28	1	Insulation, Term. Stud
GBG-30	1	Insulation, Field Connection
GBG-38	8	Screw, Pole Shoe
GBG-62	1	Insulation, Term. Stud
GCY-27	1	Bushing, Ins., Field Term.
GCY-28	2	Bushing, Ins., Arm. & Grd. Term.
GDW-22	1	Insulation, Grd. Term., Inner
GDW-26	1	Lead Assy.
GDW-23	1	Stud, Arm. Term., 5/16-24
X-1425	1	Terminal
GDW-33S	1	Bracket, Mounting, Generator
GDW-1005A	1	COIL ASSY., FIELD, COMP.
GDW-1007	1	Coil Assy., Field, U.R.
X-1425		Terminal
GDW-1008	1	Coil, Field, L.L.
GDW-1009	1	Coil, Field, L.R.
GDW-1010A	1	Coil Assy., Field, U.L.
GBG-26	1	Terminal
GDW-24	1	Lead Assy.
GDW-23	1	Stud, Grd. Term., 5/16-24
X-1425	1	Terminal
MU-36	2	Washer, Ins., Arm. & Grd. Term., Outer
MU-37	2	Washer, Plain, Arm. & Grd. Term., 5/16
8X-183A	1	Washer, Plain, Field Term., #10
X-196	2	Lockwasher, Field Term., #10
12X-201	4	Lockwasher, Bracket Mtg. Sc., 3/8
8X-465	4	Screw, Mounting, Gen. Bracket, Hex. 3/8-24x3/4
X-1014	4	Lockwasher, Arm. & Grd. Term. 5/16
8X-1376	4	Nut, Arm. & Grd. Term., Hex. 5/16-24
8X-1377	2	Nut, Field Term., Hex. #10-32

Comm. End Head Assembly & Parts Used With

GBG-46	1	Washer, Spring
GBG-47	1	Washer, Felt
GBG-48	2	Retainer, Fetl Washer
GBG-50	1	Gasket, Bearing Retainer

Comm. End Head Assembly Continued

Part No.	No. Used	Name of Part
GBG-1056	1	Retainer Assy., Bearing
GBG-56	1	Retainer, Bearing
GBG-57	1	Retainer, Felt Washer
GBG-58	1	Washer, Felt
GDW-3031A	1	Head Assy., Comm. End
DA-38	2	Washer, Spring, Brush Plate Screw
DE-85	1	Washer, Plain, Plate Lock Screw
GBG-41	2	Screw, Attaching, Brush Plate
GBG-51	2	Washer, Plain, Brush Plate Screw
GBG-75	1	Head
GDW-1012 †	2	Brush
GDW-2031B	1	Plate Assy., Brush
GBG-18L	2	Brush Holder
GBG-36L	2	Spring, Brush
GBG-40L	2	Terminal, Brush Holder
GBG-85	2	Stud, Brush Holder
GBG-1037L	2	Arm, Brush
8X-173	2	Nut, Brush Holder Stud, Hex. #10-32
X-196	2	Lockwasher, Brush Holder Stud, #10
GK-151	1	Washer, Plain, Plate Lock Screw
X-195	2	Lockwasher, Brush Lead Screw, #8
8X-208	1	Screw, Lock, Brush Plate, Hex. Hd. #10-32x9/16
8X-305	2	Screw, Brush Lead Rd. Hd. #8-32x1/4
8X-361	2	Washer, Plain, Brush Plate Screw, 1/4
X-1270	1	Washer, Plate Lock Screw, Skpf., #10
8X-118	6	Screw, C.E. Head, Fill. Hd. #10-32x3/4
8X-119	4	Screw, Bearing Retainer, Fill. Hd. #10-32x1/2
12X-195	2	Lockwasher, Lead Screw, #8
8X-305	2	Screw, Lead Connection, Rd. Hd. #8-32x1/4
X-394	1	Oiler, Sleeve, 1/2-20
X-440	1	BEARING, BALL, SHIELDED, S.A.E. #305
12X-544	10	Lockwasher, C.E. Head Screw & Retainer Sc., #10

(See Reverse Side)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Armature Assembly & Parts Used With

GBG-49	2	Spacer, Armature Shaft
GBG-54A	1	Nut, Arm. Shaft, D.E.
GBG-77A	1	Washer, Arm. Shaft, C.E.
GBM-21B	1	Nut, Arm. Shaft, C.E., Hex. .669-20
GDW-2041F	1	ARMATURE
GFY-38	1	Washer, Shaft, D.E. Plain 1/2
SP-223	1	Fan. Ventilating
X-261	1	Key, Woodruff, C.E. #6
X-263	1	Key, Woodruff, D.E. #8
8X-835	1	Nut, Shaft, D.E. Slotted 1/2-20
12X-864	1	Lockwasher, Shaft, C.E.

Drive End Head Assembly & Parts Used With

GBG-1003	1	Head Assy., Drive End
GBG-3	1	Head
GBG-50	1	Gasket, Bearing Retainer
GBG-57	1	Retainer, Felt Washer, Outer
GBG-58	1	Washer, Felt
GBG-1056	1	Retainer, Assy., Bearing
GBG-56	1	Retainer, Bearing
GBG-57	1	Retainer, Felt Washer
GBG-58	1	Washer, Felt
8X-119	4	Screw, Brg. Retainer, Fill. Hd. #10-32x1/2
X-196	4	Lockwasher, Retainer Sc., #10
X-444	1	BEARING, BALL, S.A.E. #305
8X-118	6	Screw, D.E. Head, Fill. Hd. #10-32x3/4
X-394	1	Oiler, Sleeve, 1/2-20
12X-544	6	Lockwasher, D.E. Head Screw #10

Miscellaneous Parts

GBG-24C	1	Band, Cover
8X-714	1	Screw, Cover Band Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

NOTE: - * CURRENT VOLTAGE REGULATOR is used with but is not a part of this generator.

* See table following parts list for part number applying to assembly wanted.

Assembly No.	Regulator
GDW-4608	VRV-4002A
GDW-4608A-2	VAF-4103A

† BRUSH SET, SERVICE GDW-2012S.

UNIT	APPLICATION
GDW-4608,A-2	Buda

(Issued 6-15-48)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GDW-2054)	1	Frame & Field Assy.
GBF-55	1	Washer, Ins., Field Term., Outer
GBG-22	1	Stud, Field Term., #10-32
GBG-28	1	Insulation, Term. Stud, Inner
GBG-30	1	Insulation, Field Connection
GBG-38	8	Screw, Pole Shoe
GBG-62	1	Insulation, Term. Stud, Inner
GCY-27	1	Bushing, Ins., Field Term.
GCY-28	2	Bushing, Ins., Arm. & Grd. Term.
GDW-22	1	Insulation, Grd. Term., Inner
GDW-26	1	Lead Assembly
GDW-23	1	Stud, Arm. Term., 5/16-24
X-1425	1	Terminal
GDW-33S	1	Bracket, Gen. Mtg.
GDW-1005A	1	COIL ASSY., FIELD, COMPLETE
GDW-1007	1	Coil Assy., Field, U.R.
X-1425	1	Terminal
GDW-1008	1	Coil, Field, L.L.
GDW-1009	1	Coil, Field, L.R.
GDW-1010A	1	Coil, Assy., Field, U.L.
GBG-26	1	Terminal
GDW-24	1	Lead Assembly
GDW-23	1	Stud, Grd. Term., 5/16-24
X-1425	1	Terminal
MU-36	2	Washer, Ins., Arm. & Grd. Term., Outer
MU-37	2	Washer, Plain, Arm. & Grd. Term., 5/16
8X-183A	1	Washer, Plain, Field Term., #10
X-196	2	Lockwasher, Field Term., #10
12X-201	4	Lockwasher, Mtg. Sc., 3/8
8X-465	4	Screw, Bracket Mtg., Hex. 3/8-24x3/4
X-1014	4	Lockwasher, Arm. & Grd. Term., 5/16
8X-1376	4	Nut, Arm. & Grd. Term., Hex. 5/16-24
8X-1377	2	Nut, Field Term., Hex. #10-32

Comm. End Head Assembly & Parts Used With

Part No.	No. Used	Name of Part
GBG-46	1	Washer, Spring
GBG-47	1	Washer, Felt
GBG-48	2	Retainer, Felt Washer
GBG-50	1	Gasket, Bearing Retainer
GBG-1056	1	Retainer Assy., Bearing
GBG-56	1	Retainer, Bearing
GBG-57	1	Retainer, Felt Washer
GBG-58	1	Washer, Felt
GDW-2075A	1	Head Assy., Comm. End
DA-38	2	Washer, Spring, Plate Screw
DE-85	1	Washer, Plain, Plate Lock Screw
GBG-41	2	Screw, Br. Plate Mtg.
GBG-51	2	Washer, Plain, Plate Screw
GBG-75B	1	Head, Comm. End
GDW-1012†	2	Brush
GDW-1031	1	Plate Assy., Brush
GBG-18R	2	Holder, Brush
GBG-36	2	Spring, Brush
GBG-40	2	Terminal, Brush Holder
GBG-85	2	Stud, Brush Holder
GBG-1037	2	Arm, Brush
8X-173	2	Nut, Brush Stud, Hex. #10-32
X-196	2	Lockwasher, Brush Stud, #10
GK-151	1	Washer, Plain, Plate Lock Screw
12X-195	2	Lockwasher, Lead Sc., #8
8X-208	1	Screw, Lock, Br. Plate, Hex. Hd. #10-32x9/16
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
8X-361	2	Washer, Plain, Plate Screw, 1/4
X-1270	1	Washer, Skpf., Plate Lock Screw, #10
8X-118	6	Screw, D.E. Head, Fill. Hd. #10-32x3/4
8X-119	4	Screw, Brg. Retainer, Fill. Hd. #10-32x1/2
12X-195	3	Lockwasher, Brush Lead Sc., #8
12X-196	10	Lockwasher, Retainer Sc., & Head Screw, #10
8X-305	3	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-394	1	Oiler
X-440	1	BEARING, BALL, SHIELDED S.A.E. #305

(Continued on Reverse Side)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GDW-4611,-2 GENERATOR PARTS (Continued)

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GBG-49	2	Spacer, Armature Shaft
GBG-54A	1	Nut, Arm. Shaft, D.E.
GBG-77A	1	Washer, Plain, Arm. Shaft, C.E.
GBM-21B	1	Nut, Arm. Shaft, C.E. Armature
GDW-2041F	1	ARMATURE
GFY-38	1	Washer, Shaft, D.E., Plain 1/2
SP-223	1	Fan, Ventilating
X-261	1	Key, Woodruff, C.E., #6
X-263	1	Key, Woodruff, D.E., #8
8X-835	1	Nut, Shaft, D.E., Slotted 1/2-20
12X-864	1	Lockwasher, Shaft, C.E.

Drive End Head Assembly & Parts Used With

GBG-1068	1	Head Assy., Drive End
GBG-50	1	Gasket, Brg. Retainer
GBG-57	1	Retainer, Felt Washer, Outer
GBG-58	1	Washer, Felt, Outer
GBG-68	1	Head, Drive End
GBG-1056	1	Retainer Assy., Bearing
GBG-56	1	Retainer, Bearing
GBG-57	1	Retainer, Felt Washer
GBG-58	1	Washer, Felt
8X-119	4	Screw, Brg. Retainer, Fill. Hd. #10-32x1/2
X-196	4	Lockwasher, Retainer Sc., #10
X-444	1	BEARING, BALL, S.A.E #305
8X-118	6	Screw, D.E. Head, Fill. Hd. #10-32x3/4
12X-196	6	Lockwasher, Head Screw, #10
X-394	1	Oiler

Miscellaneous Parts

GBG-24C	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GDW-2012S.

NOTE: * CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

* See table following parts list for part numbers applying to assembly wanted.

Assembly No.	Regulator
GDW-4611	VRV-4002A
GDW-4611-2	VAF-4103A

UNIT	APPLICATION
GDW-4611,-2	Harnischfeger

Printed in U. S. A.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-20	2	Frame Screw
(GDY-3161)	1	Frame & Field Assembly
GAS-29	2	Pole Piece
GAS-44	1	Field Connection Ins.
GAS-45	4	Field Coil Holder
GAS-86	1	C. B. Lead Assembly
X-1423	1	Terminal
GAS-121	1	Insulating Bushing
GDY-2005A	1	FIELD COIL ASSY.- Comp.
GDY-1007A	1	Field Coil Assy.-Left
X-1424	1	Terminal
GDY-1008A	1	Field Coil - Right
MN-21	2	Dowel Pin
MZ-38	2	Pole Piece Screw
X-755	2	Terminal
X-544	2	#10 Lock Washer

Comm. End Plate Assembly & Parts Used With

GAS-69	1	Comm. End Cap Cover
GAS-70	1	End Cap Cover Gasket
GAS-71	1	Bearing Retaining Washer
GAS-77	1	Felt Washer
GAS-78	1	Felt Washer Retainer
(GAS-3068)	1	Comm. End Plate Assembly
GAS-51	2	3rd Brush Plate Retaining Spring
GAS-68	1	Comm. End Plate
GAS-2021L	1	Brush Holder Plate Assy.
GAL-31	1	Ground Connector Assy.
X-958	2	Terminal
GAS-12†	2	Brush - Main
GAS-15	2	Brush Holder
GAS-17	1	Brush Spring
GAS-18	1	Brush Spring
GAS-1021L	1	Brush Holder Plate Part Assembly
8X-122	2	#8-32x1/2 Fill. Hd. Sc.
X-1275	2	#8 Skpf. Washer
GAS-2072L	1	3rd Brush Holder Plate Assembly
GAS-13†	1	Brush - Third
GAS-15	1	Brush Holder
GAS-18	1	Brush Spring
GAS-1072L	1	3rd Br. Holder Plate Part Assembly
8X-878	1	#8-32x7/16 Fill.Hd.Sc.
X-1275	1	#8 Skpf. Washer
8X-55	3	#8-32x3/8 Rd. Hd. Screw
X-195	1	#8 Lock Washer
X-489	1	1/4 Oiler - Press in Type
IA-175	1	Flat Steel Washer
8X-61	1	#10-32x7/16 Flat Hd. Screw
X-63	3	#8-32x3/8 Flat Hd. Screw
X-293	1	BALL BEARING - S.A.E. #201
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GDY-3200	1	ARMATURE ASSEMBLY
GAS-53	1	Snap Ring
IA-158	1	Snap Ring
SP-385	1	Drive Pulley
X-160	1	7/16-20 Hex. Nut
X-1278	1	7/16 Skpf. Lock Washer
X-1460	1	#212 Woodruff Key

Drive End Head Assembly & Parts Used With

GAS-1075E	1	Drive End Head Assembly
DB-13	1	Flat Felt Guard
GAS-73	1	Cupped Felt Guard
GAS-74	1	Bearing Retainer
GAS-75B	1	Drive End Head
IGP-34	1	Felt Wick
SC-127	1	Felt Washer
8X-55	3	#8-32x3/8 Rd. Hd. Screw
X-195	3	#8 Lock Washer
X-294	1	BALL BRG.- S.A.E. #202
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

GAS-1171B	1	Head Band Assembly
TC-4310A	1	TWO CHARGE REGULATOR
8X-118	1	#10-32x3/4 Fill. Hd. Screw
X-196	4	#10 Lock Washer
8X-321	4	#10-32x5/16 Rd. Hd. Screw
		1 2 3 4 5

(Issued 5-20-41)

† SERVICE BRUSH SET GAS-2012.

UNIT	APPLICATION
GDY-4104A	Witte Engine

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-20	2	Frame Screw
(GDY-2190)	1	Frame & Field Assembly
GAS-29	2	Pole Piece
GAS-44	1	Field Connection Ins.
GAS-45	4	Field Coil Holder
GAS-121	1	Insulating Bushing
GAS-213	1	Lead Assembly
X-1595	1	Terminal
GDY-1005A	1	FIELD COIL ASSY.- Comp.
GDY-1007B	1	Field Coil Assy.-Left
X-1595	1	Terminal
GDY-1008B	1	Field Coil - Right
MN-21	2	Dowel Pin
MZ-38	2	Pole Piece Screw
X-755	2	Terminal
X-544	2	#10 Lock Washer

Comm. End Plate Assembly & Parts Used With

GAS-69	1	Comm. End Cap Cover
GAS-70	1	End Cap Cover Gasket
GAS-71	1	Bearing Retaining Washer
GAS-77	1	Felt Washer
GAS-78	1	Felt Washer Retainer
(GAS-2210)	1	Comm. End Plate Assembly
GAS-51	2	3rd Brush Plate Retaining Spring
GAS-210	1	Comm. End Plate
GAS-2021R	1	Brush Holder Plate Assy.
GAL-31	1	Ground Connector Assy.
X-958	2	Terminal
GAS-12†	2	Brush - Main
GAS-15	2	Brush Holder
GAS-17	1	Brush Spring
GAS-18	1	Brush Spring
GAS-1021R	1	Brush Holder Plate Part Assembly
8X-122	2	#8-32x1/2 Fill. Hd. Sc.
X-1275	2	#8 Skpf. Washer
GAS-2082R	1	3rd Brush Holder Plate Assembly
GAS-13†	1	Brush - Third
GAS-15	1	Brush Holder
GAS-17	1	Brush Spring
GAS-1082R	1	3rd Brush Holder Plate Part Assembly
8X-878	1	#8-32x7/16 Fill.Hd.Sc.
X-1275	1	#8 Skpf. Washer
8X-55	3	#8-32x3/8 Rd. Hd. Screw
X-195	1	#8 Lock Washer
X-489	1	1/4 Oiler - Press in Type
IA-175	1	Flat Steel Washer
8X-61	1	#10-32x7/16 Flat Hd. Screw
X-63	3	#8-32x3/8 Flat Hd. Screw
X-293	1	BALL BEARING - S.A.E. #201
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-152	1	Oil Thrower
GDY-28	1	Washer
GDY-2212	1	ARMATURE ASSEMBLY
GAS-53	1	Snap Ring
IA-158	1	Snap Ring
GR-32A	1	Felt Washer Retainer
X-407	1	3/32x3/4 Cotter Pin
X-1460	1	#212 Woodruff Key
X-1581	1	7/16-20 Castellated Nut

Drive End Head Assembly & Parts Used With

GAS-1211	1	Drive End Head Assembly
GAS-155	1	Bearing Retainer
GAS-156	1	Gasket
GAS-211	1	Drive End Head
GG-164	1	Felt Washer
X-196	3	#10 Lock Washer
8X-311	3	#10-32x3/8 Rd. Hd. Sc.
X-1470	1	BALL BRG.- S.A.E. #202

Miscellaneous Parts

GAS-168	2	T. C. Regulator Spacer
GAS-1024C	1	Head Band Assembly
TC-4303B	1	TWO CHARGE REGULATOR
X-196	4	#10 Lock Washer
8X-311	4	#10-32x3/8 Rd. Hd. Screw
X-714	1	#10-32x1 1/2 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 5-20-41)

† SERVICE BRUSH SET GAS-2012.

UNIT	APPLICATION
GDY-4106	Aircooled Motors

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GDY-4107, A GENERATOR PARTS LIST

GDY-4107, A
(Issued 4-8-57)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GAS-20A	2	Bolt, Thru
GDY-2161	1	Frame & Field Assy.
GAS-44	1	Insulation, Field Connect.
GAS-45	4	Holder, Field Coil
GAS-86	1	Lead Assembly
X-1423	1	Terminal
GAS-121	1	Bushing, Insulating
GDY-1005B	1	COIL ASSY., FIELD COMPLETE
GDY-1007	1	Coil Assy., Field Left
X-1423	1	Terminal
GDY-1008A	1	Coil, Field, Right
MN-21	2	Pin Dowel
MZ-38A	2	Screw, Pole Shoe
X-755	2	Terminal
12X-196	2	Lockwasher, Thru Bolt #10

Comm. End Head Assy. & Parts Used With

GAS-69A	1	Cover, Comm. End
GAS-70	1	Gasket, C. E. Cover
GAS-71	1	Washer, Bear. Retaining Sc.
GAS-77	1	Washer, Felt, C. E. Inner
GAS-78	1	Retainer, Felt Washer
GAS-2079	1	Head Assy., Comm. End
GAS-51	2	Spring, Retaining, 3rd. Brush Plate
GAS-79B	1	Head, Comm. End
GAS-2021R	1	Plate Assy., Main Brush
GAL-31	1	Lead Assy., Ground
X-958	2	Terminal
GAS-15	2	Holder, Brush
GAS-17	1	Spring, Brush, Grounded
GAS-18	1	Spring, Brush, Insulated
GAS-1021R	1	Plate, Main Brush
GEM-12†	2	Brush, Main
8X-122	1	Screw, Grounded Brush Fill. Hd. #8-32x1/2
X-195	2	Lockwasher, Brush Sc., #8
8X-1496	1	Screw, Ins., Brush, Bdg. Hd. #8-32x7/16
GAS-2082R	1	Plate Assy., 3rd. Brush
GAS-15	1	Holder, Brush
GAS-17	1	Spring, Brush
GAS-1082R	1	Plate, 3rd. Brush
GEM-13†	1	Brush, Third
X-195	1	Lockwasher, Brush Sc. #8
8X-1496	1	Screw, Brush, Bdg. Hd. #8-32x7/16
8X-55	3	Screw, Rd. Hd. #8-32x3/8
X-195	1	Lockwasher, #8
X-489	1	Oiler
IA-175	1	Washer, Plain, Felt Retaining

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
8X-61	1	Screw, Brg. Retaining, Flat Hd. #10-32x7/16
X-63	3	Screw, Cover, Flat Hd. #8-32x3/8
X-293	1	BEARING: BALL, S. A. E. #201

Armature Assembly & Parts Used With

GDY-2200	1	ARMATURE ASSY.
GAS-53	1	Snap Ring, D. E.
IG-158	1	Snap Ring, C. E.
*	1	Pulley, Drive
X-160	1	Nut, Shaft, D. E., Hex. 7/16-20
X-1278	1	Washer, Shaft, D. E., Skpf. 7/16
X-1460A	1	Key, Woodruff, #212

Drive End Head Assembly & Parts Used With

GAS-1075E	1	Head Assy., Drive End
DB-13	1	Retainer, Felt Washer, Flat
GAS-73	1	Retainer, Felt Washer, Cupped
GAS-74	1	Retainer, Bearing
GAS-75B	1	Head, Drive End
IGP-34	1	Wick, Felt
SC-127	1	Washer, Felt
8X-55	3	Screw, Retainer, Rd. Hd. #8-32x3/8
X-195	3	Lockwasher, Retainer Sc., #8
X-294	1	BEARING, BALL, S. A. E. #202
X-489	1	Oiler

Miscellaneous Parts

GAS-1171B	1	Band, Cover
TC-4310A	1	REGULATOR: TWO CHARGE
8X-118	1	Screw, Cover Band, Fill. Hd. #10-32x3/4
12X-196	4	Lockwasher, Mtg. Sc., #10
8X-309	1	Screw, Reg. Mtg., Rd. Hd. #10-32x1/2
8X-321	3	Screw, Reg. Mtg., Rd. Hd. #10-32x5/16

† BRUSH SET, SERVICE GEM-2012S.

* See table following Parts List for part number applying to assembly wanted.

Assy. No.	Pulley
GDY-4107	None
GDY-4107A	SP-385

UNIT	APPLICATION
GDY-4107	D. W. Onan
GDY-4107A	Fairbank Morris, U. S. Motors, D. W. Onan

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Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking su -parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GDZ-4801A,B,C,D,E,F, G,H,J-1,K,L,Q,R,S-1,T,V

GENERATOR PARTS LIST

GDZ-4801A,B,C, D,E,F,G,H,J-1, K,L,Q,R,S-1,T,V (Issued 4-13-51)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GDZ-2001)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term.
GBW-34	1	Washer, Ins., Field Term.
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Field Term.
GDZ-1005	1	COIL ASSY., FIELD, COMPLETE
GDZ-1007	1	Coil, Field, Left
GDZ-1008	1	Coil Field, Right
GEA-27	1	Stud, Arm. Term., #14-24
GEA-30	1	Lead Assy.
X-847	1	Terminal
GEB-58	1	Stud, Field Term., #10-32
GEA-34	1	Insulation, Term. Stud, Inner
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term., Hex. #14-24
12X-196	2	Lockwasher, Field Term. #10
12X-199	2	Lockwasher, Arm. Term. 1/4
8X-349	1	Washer, Plain, Field Term., #10
8X-361	1	Washer, Plain, Arm. Term., 1/4
8X-1377	2	Nut, Field Term., Hex. #10-32
GY-20	2	Bolt, Thru
12X-196	1	Lockwasher, Ground Screw, #10
12X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

GDZ-2002S	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBW-69	1	Gasket, Comm. End Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GBW-1068	1	Cover, Comm. End

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
GDZ-1002A	1	Head Assy., Partial, C.E.
GBF-79	1	BEARING, ABS. BRONZE
GBW-45	2	Spring, Brush
GCJ-26	2	Arm, Brush
12X-195	4	Lockwasher, Cover Sc., #8
8X-888	4	Screw, C.E. Cover, Fill. Hd. #8-32x5/16
GGU-2012S	1	BRUSH SET, SERVICE
12X-195	2	Lockwasher, Lead Sc., #8
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm. Shaft, D.E.
GDZ-2006F	1	ARMATURE ASSY.
GAR-171	1	Snap Ring
GR-32	1	Retainer, Felt Washer
*	1	Spacer, Arm. Shaft
*	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

GDZ-1003	1	Head Assy., Drive End
GAR-63	2	Retainer, Felt Washer
GAR-64	2	Retainer, Bearing
GDZ-3	1	Head, Drive End
GG-164	2	Washer, Felt
8X-173	3	Nut, Brg. Retainer Hex. #10-32
X-196	3	Lockwasher, Retainer Sc., #10
X-295	1	BEARING, BALL, S.A.E. #203
X-489	1	Oiler
8X-1003	3	Screw, Bearing Retainer, Rd. Hd. #10-32x7/8

Miscellaneous Parts

GBW-24B	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x 1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

NOTE: * CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

* See table following parts list for part number applying to assembly wanted.

(Continued on Reverse Side)

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GDZ-4801A,B,C,D,E,F,G, H,J-1,K,L,Q,R,S-1,T,V

GENERATOR PARTS (Cont.)

Assembly No.	Pulley	Spacer	Regulator
GDZ-4801A	SP-1299	None	VRP-4503A
GDZ-4801B	SP-1310	None	VRP-4503A
GDZ-4801C	SP-1311	None	VRP-4503A
GDZ-4801D	SP-325	None	VRP-4503A
GDZ-4801E	SP-389	None	VRP-4503A
GDZ-4801F	SP-1296	None	VRP-6001A
GDZ-4801G	SP-428	None	VRP-6001A
GDZ-4801H	SP-379	None	VRP-4503A
GDZ-4801J-1	SP-325	None	VRP-4106B
GDZ-4801K	SP-389	None	VRP-6001A
GDZ-4801L	SP-465B	None	VRP-6003A
GDZ-4801Q	SP-862	None	VRP-4503A
GDZ-4801R	SP-1889	None	VRP-4503A
GDZ-4801S-1	None	None	VRP-4503A
GDZ-4801T	SP-1926	None	VRP-6001A
GDZ-4801V	SP-928	GDZ-91	VRP-6001A

UNIT	APPLICATION
GDZ-4801A,B,C, D,E,H,Q,R,S-1	Chrysler Corp.
GDZ-4801F,G,T,V	Packard
GDZ-4801J-1	
GDZ-4801K	Continental
GDZ-4801L	Volvo (Export)

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GDZ-2001)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term., Outer
GBW-34	1	Washer, Ins., Field Term., Outer
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Field Term.
GDZ-1005	1	COIL ASSY., FIELD, COMPLETE
GDZ-1007	1	Coil, Field, Left
GDZ-1008	1	Coil, Field, Right
GEA-27	1	Stud, Arm. Term., #14-24
GEA-30	1	Lead Assy.
X-847	1	Terminal
GEB-58	1	Stud, Field Term., #10-32
GEA-34	1	Insulation, Term. Stud, Inner
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term., Hex. #14-24
12X-193	2	Lockwasher, Arm. Term., #14
12X-196	2	Lockwasher, Field Term., #10
8X-349	1	Washer, Plain, Field, Term., #10
8X-361	1	Washer, Plain, Arm. Term., 1/4
8X-1377	2	Nut, Field Term., Hex.#10-32
GY-20	2	Bolt, Thru
12X-196	1	Lockwasher, Ground Screw, #10
12X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground , Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

GDZ-2002S	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBW-69	1	Gasket, C.E. Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GBW-1068	1	Cover, Comm. End
GDZ-1002A	1	Head Assy., Partial, C.E.
GBF-79	1	BEARING, ABS. BRONZE
GBW-45	2	Spring, Brush
GCJ-26	2	Arm, Brush
12X-195	4	Lockwasher, Cover Sc., #8
8X-888	4	Screw, C.E. Cover Fill. Hd. #8-32x5/16
GEA-2012S	1	BRUSH SET, SERVICE
12X-195	2	Lockwasher, Brush Lead Sc., #8
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GBM-21B	1	Nut, Arm. Shaft, C.E.
GDZ-2057F	1	ARMATURE
*	1	Pulley Drive
X-263	1	Key, Woodruff, #8
12X-864	1	Lockwasher, Shaft, C.E.

Drive End Head Assembly & Parts Used With

GDZ-1069	1	Head Assy., Drive End
GAR-178	2	Retainer, Bearing
GAR-179	2	Retainer, Felt Washer
GDZ-69	1	Head, Drive End
GJ-147	2	Washer, Felt
8X-173	3	Nut, Retainer Sc., Hex. #10-32
X-196	3	Lockwasher Retainer Screw, #10
X-298	1	BEARING, BALL, S.A.E. #204
8X-306	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1
X-489	1	Oiler

Miscellaneous Parts

GBW-24B	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

* See table following parts list for part number applying to assembly wanted.

NOTE: VRP-4503A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

Assembly No.	Pulley
GDZ-4802A	SP-378
GDZ-4802B	SP-784
GDZ-4802S-1	None

UNIT	APPLICATION
GDZ-4802A	Dodge Tr., Fargo Tr., Chrysler Industrial
GDZ-4802B	Chrysler Industrial
GDZ-4802S-1	Chrysler Service

(Issued 10-20-49)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GDZ-2030)	1	Frame & Field Assy.
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GAR-21	1	Aligning Dowel
GBW-34	1	Insulating Washer
GBW-58	1	Terminal Post
GBW-66	1	Terminal Post Bottom Ins.
GBW-67	1	Terminal Post Bottom Ins.
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
GDZ-29	2	Pole Piece
GDZ-1005	1	FIELD COIL ASSY.- COMP.
GDZ-1007	1	Field Coil - Left
GDZ-1008	1	Field Coil - Right
GEA-27	1	Terminal Post
GEA-30	1	Lead Assembly
X-847	1	Terminal
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
GY-20A	2	Frame Screw
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	2	#10 Lock Washer
X-199	2	1/4 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
5X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assy. & Parts Used With

DA-39	2	Flat Oil Guard
GAB-188	2	Felt Washer
GAR-83A	1	Comm. End Cap Cover
GBJ-25	1	End Cap Cover Gasket
GBW-2049	1	Comm. End Plate Assy.
GBW-45	2	Brush Spring
GBW-1012A‡	2	Brush - Main
GCJ-26	2	Brush Arm
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Sc.
GJ-320	1	Armature Shaft Nut
GR-32	1	Felt Washer Retainer
X-195	1	#8 Lock Washer
X-295	1	BALL BRG. - S.A.E. #203
X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GDZ-2079F	1	ARMATURE ASSEMBLY
GAR-171	2	Snap Ring
GR-32	1	Felt Washer Retainer
*	1	Drive Pulley
X-161	1	1/2-20 Hex. Nut
X-264	1	#9 Woodruff Key
X-1500	1	1/2 Skpf. Washer

Drive End Head Assy. & Parts Used With

GDS-1033	1	Drive End Head Assy.
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GDS-33	1	Drive End Head
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	BALL BRG. - S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Screw

Miscellaneous Parts

GBW-24	1	Head Band Assembly
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 7-14-39)

Assembly No.	Drive Pulley
GDZ-4803A	SP-1373
GDZ-4803B	SP-349

‡ Service BRUSH SET GBW-2012AS.

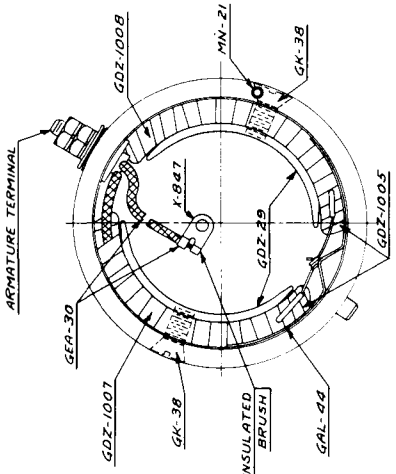
* See table following parts list for part number applying to assembly wanted.

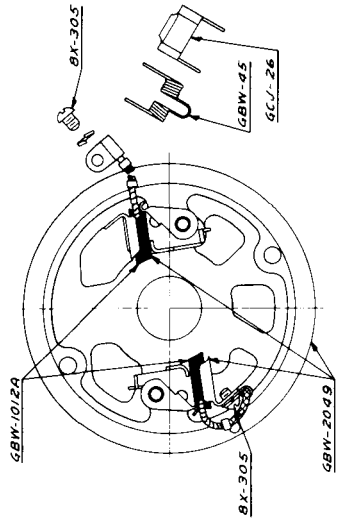
NOTE:- VRP-4004A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

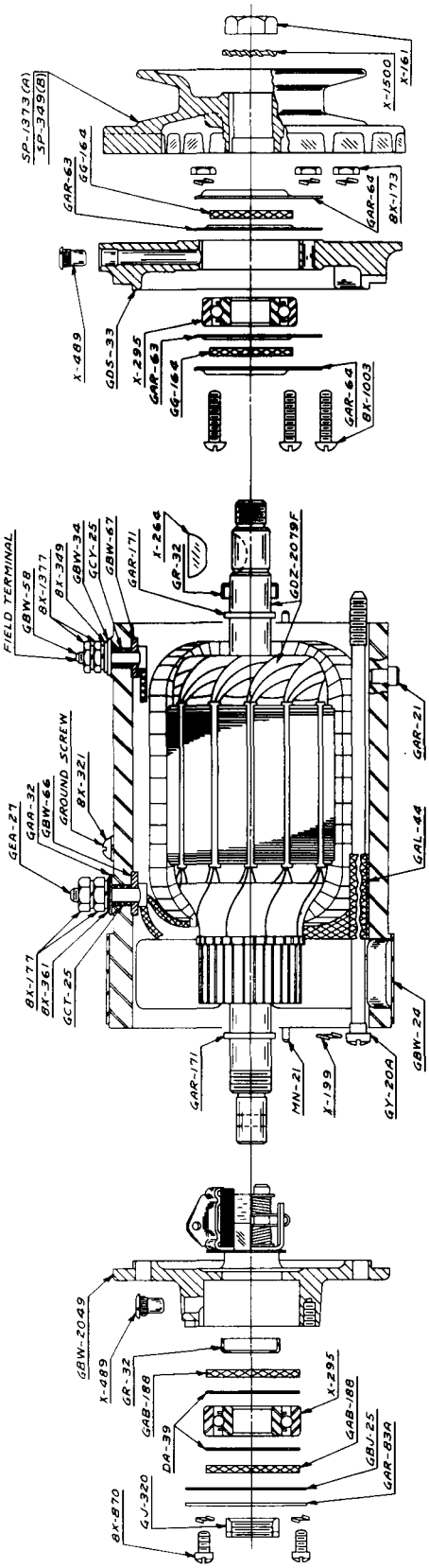
UNIT	APPLICATION
GDZ-4803A,B	Nash

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GDZ-4803A,B GENERATOR ILLUSTRATION







Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GDZ-2001A)	1	Frame & Field Assy.
GAA-32	1	Term. Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-58	1	Terminal Post
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
GDZ-29	2	Pole Piece
GDZ-1005	1	FIELD COIL ASSY.-Comp.
GDZ-1007	1	Field Coil-Left
GDZ-1008	1	Field Coil-Right
GEA-27	1	Terminal Post
GEA-30	1	Lead Assembly
X-847	1	Terminal
GEA-34	1	Term. Post Bottom Ins.
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
GY-20A	2	Frame Screw
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	2	#10 Lock Washer
X-199	2	1/4 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Sc.
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

(GDZ-2002A)	1	Comm. End Plate Assy.
GAR-73	1	Oil Wick
GAR-98A	1	Wick Cover
GBW-69	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GBW-1012A†	2	Brush - Main
GBW-1068B	1	Comm. End Cap Cover
GDZ-1002C	1	C.E. Plate Part Assy.
GBF-79	1	ABSORBENT BRONZE BRG.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
X-195	5	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Sc.
8X-888	4	#8-32x5/16 Fill. Hd. Sc.
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GDZ-2006F	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GR-32	1	Felt Washer Retainer
SP-1354	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GDZ-1003A	1	Drive End Head Assy.
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GDZ-3A	1	Drive End Head
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	BALL BRG. - S.A.E. #203
X-489	1	1/4 Oiler-Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Sc.

Miscellaneous Parts

GBW-24	1	Head Band
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 5-21-40)

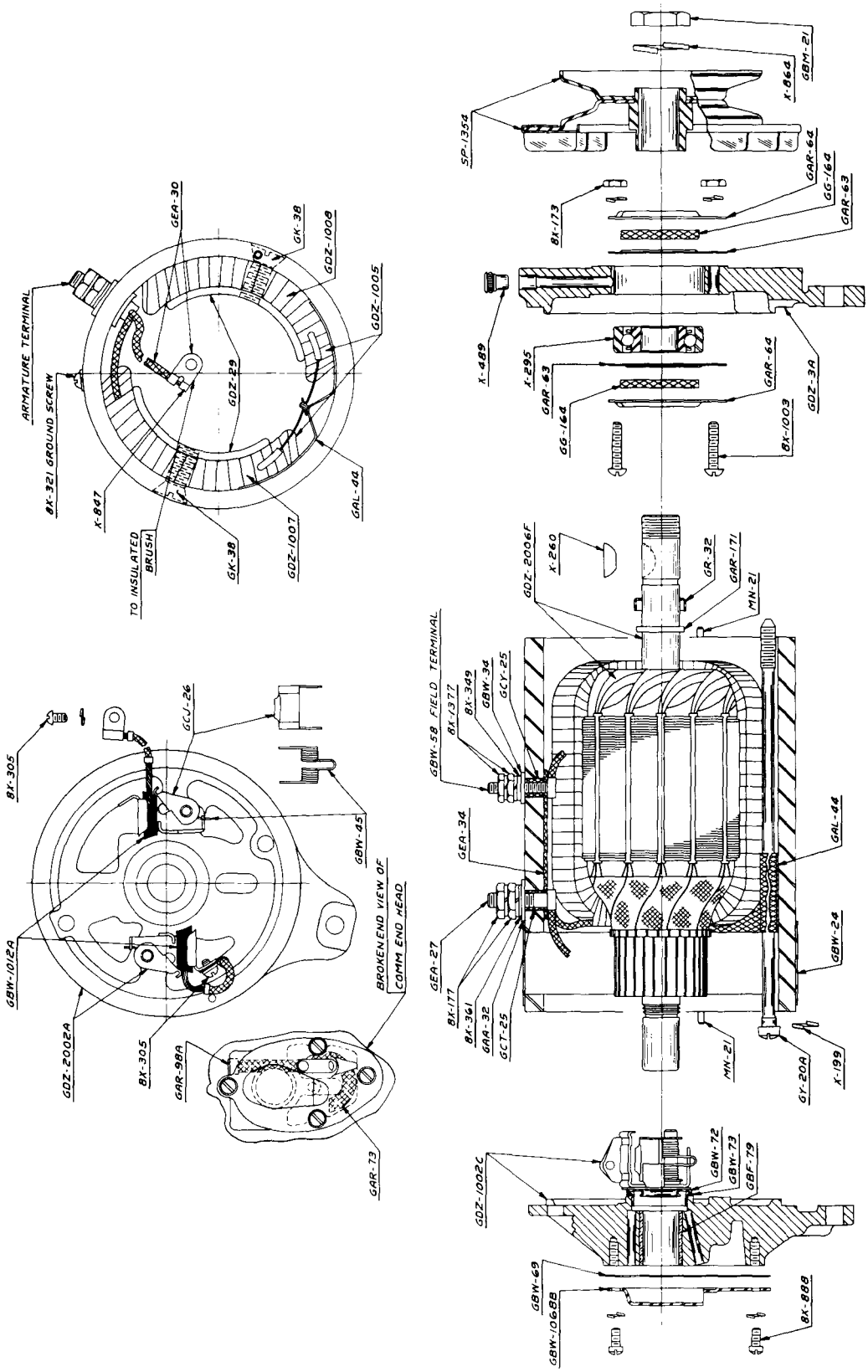
† Service BRUSH SET GBW-2012AS.

NOTE:- VRP-4004F CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GDZ-4804A	Studebaker

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GDZ-4804A GENERATOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GDZ-4805A,B GENERATOR PARTS LIST

GDZ-4805A,B
(Issued 11-12-51)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GDZ-2001A)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term., Outer
GBW-34	1	Washer, Ins., Field Term., Outer
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Field Term.
GDZ-1005	1	Coil Assy., Field, Complete
GDZ-1007	1	Coil, Field, Left
GDZ-1008	1	Coil, Field, Right
GEA-27	1	Stud, Arm. Term., #14-24
GEA-30	1	Lead Assy.
X-847	1	Terminal
GEB-58	1	Stud, Field Term., #10-32
GEA-34	1	Insulation, Term. Stud, Inner
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term., Hex. #14-24
X-196	2	Lockwasher, Field Term., #10
X-199	2	Lockwasher, Arm. Term., 1/4
8X-349	1	Washer, Plain, Field Term., #10
8X-361	1	Washer, Plain, Arm. Term., 1/4
8X-1377	2	Nut, Field Term., Hex. #10-32
GY-20	2	Bolt, Thru
X-196	1	Lockwasher, Ground Screw, #10
X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

GDZ-2002CS	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBW-30	1	Cover, Comm. End
GBW-69	1	Gasket, Comm. End Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Guard

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
GDZ-1002G	1	Head Assy., Partial, C.E.
GBF-79	1	Bearing, Abs. Bronze
GBW-45	2	Spring, Brush
GCJ-26	2	Arm, Brush
12X-195	4	Lockwasher, Cover Sc., #8
X-489	1	Oiler
8X-888	4	Screw, C.E. Cover, Fill. Hd. #8-32x5/16
GGU-2012S	1	Brush Set, Service
X-195	2	Lockwasher, Lead Sc. #8
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Armature Shaft, D.E.
GDZ-2006F	1	Armature Assy.
GAR-171	1	Snap Ring
GR-32	1	Retainer, Felt Washer
*	1	Pulley, Drive
X-260	1	Key, Woodruff #5
X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

GDZ-1003	1	Head Assy., Drive End
GAR-63	2	Retainer, Felt Washer
GAR-64	2	Retainer, Bearing
GDZ-3	1	Head, Drive End
GG-164	2	Washer, Felt
8X-173	3	Nut, Retainer Sc., Hex. #10-32
X-196	3	Lockwasher, Retainer Sc., #10
X-295	1	Bearing, Ball, S.A.E. #203
X-489	1	Oiler
8X-1003	3	Screw, Bearing Retainer, Rd. Hd. #10-32x7/8

Miscellaneous Parts

GBW-24B	1	Band, Cover
X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

Assembly No.	Pulley Drive	Regulator
GDZ-4805A	SP-1334	VRP-6001A
GDZ-4805B	SP-556A	VRP-6003A

(Continued on Reverse Side)

Printed in U. S. A.

File in
Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

NOTE: *Current-Voltage Regulator is used with but is not a part of this generator.

* See table following parts list for part number applying to assembly wanted.

UNIT	APPLICATION
GDZ-4805A	Studebaker
GDZ-4805B	U.S. Motors, Wisconsin

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GDZ-2036)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term., Outer
GAR-21	1	Pin, Dowel
GBW-34	1	Washer, Ins., Field Term., Outer
GBW-66	1	Insulation, Arm. Term., Inner
GBW-67	1	Insulation, Field Term. Inner
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Field Term.
GDZ-1005	1	COIL ASSY., FIELD, COMP.
GDZ-1007	1	Coil, Field, Left
GDZ-1008	1	Coil, Field, Right
GEA-27	1	Stud, Arm. Term., #14-24
GEA-30	1	Lead Assy.
X-847	1	Terminal
GEB-58	1	Stud, Field Term., #10-32
GK-38	2	Screw, Pole Piece
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term., Hex. #14-24
X-193	2	Lockwasher, Arm. Term., #14
X-196	2	Lockwasher, Field Term., #10
8X-349	1	Washer, Plain, Field Term., #10
8X-361	1	Washer, Plain, Arm. Term., 1/4
8X-1377	2	Nut, Field Term., Hex. #10-32
GY-20	2	Bolt, Thru
12X-196	1	Lockwasher, Ground Screw, #10
12X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

DA-39	2	Washer, Plain, Brg. Retaining
GAB-188	2	Washer, Felt
GAR-83B	1	Cover, Comm. End
GBJ-25	1	Gasket, Comm. End Cover
GBW-2049A	1	Head Assy., Comm. End
GBW-45	2	Spring, Brush
GCJ-26	2	Arm, Brush
GEA-1012 †	2	Brush
GR-32	1	Retainer, Felt Washer
		1 2 3 4 5

Comm. End Head Assy. (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
12X-195	2	Lockwasher, Brush Lead Sc., #8
X-295	1	BEARING, BALL, S.A.E. #203
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler, Hinge Top, Press in, 1/4
12X-544	3	Lockwasher, Cover Sc., #10
8X-870	3	Screw,Cover, Fill. Hd. #10-32x5/16

Armature Assembly & Parts Used With

GDZ-2079F	1	ARMATURE ASSY.
GAR-171	2	Snap Ring
*	1	Spacer, Arm. Shaft
GJ-320	1	Nut, Arm. Shaft
GR-32	1	Retainer, Felt Washer
*	1	Pulley, Drive
X-161	1	Nut, Armature Shaft, Hex. 1/2-20
X-264	1	Key, Woodruff, #9
X-1500	1	Washer, Arm. Shaft, Skpf. 1/2

Drive End Head Assembly & Parts Used With

GDS-1033	1	Head Assy., Drive End
GAR-63	2	Retainer, Felt Washer
GAR-64	2	Retainer, Bearing
GDS-33	1	Head
GG-164	2	Washer, Felt
8X-173	3	Nut, Brg. Retainer, Hex. #10-32
X-196	3	Lockwasher, Brg. Retainer, #10
X-295	1	BEARING, BALL, S.A.E. #203
X-489	1	Oiler, Press in Type, 1/4
8X-1003	3	Screw, Brg. Retainer, Rd. Hd. #10-32x7/8

Miscellaneous Parts

GBW-24B	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32
		1 2 3 4 5

(Continued on reversed side)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

* See table following parts list for part number applying to assembly wanted.

† BRUSH SET, SERVICE GEA-2012S.

NOTE: VRP-4004F CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

Assembly No.	Pulley	Spacer
GDZ-4806A	SP-1373	None
GDZ-4806B	SP-910	GDZ-103

UNIT	APPLICATION
GDZ-4806A	Nash
GDZ-4806B	Crosley

(Issued 4-19-48)

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GDZ-3033)	1	Frame & Field Assembly
GAA-32	1	Terminal Post Top Ins.
GBW-34	1	Insulating Washer
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
GDZ-29	2	Pole Piece
GDZ-1005	1	FIELD COIL ASSY.- Comp.
GBW-58	1	Terminal Post
GDZ-1007	1	Field Coil - Left
GDZ-1008	1	Field Coil - Right
GEA-27	1	Terminal Post
GEA-30	1	Lead Assembly
X-847	1	Terminal
GEA-34	1	Terminal Post Bottom Ins.
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
GY-20	2	Frame Screw
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	2	#10 Lock Washer
12X-199	2	1/4 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

(GDZ-3032)	1	Comm. End Plate Assembly
GAR-73	1	Oil Wick
GAR-98A	1	Wick Cover
GBW-69	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GBW-1012A†	2	Brush - Main
GBW-1068B	1	Comm. End Cap Cover
GCJ-1032A	1	Comm. End Plate Part Assy.
GBF-79	1	ABSORBENT BRONZE BRG.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
12X-195	5	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
8X-888	4	#8-32x5/16 Fill. Hd. Sc.
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GDZ-2006F	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GR-32	1	Felt Washer Retainer
*	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GDF-1031	1	Drive End Head Assembly
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GDF-31	1	Drive End Head
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	BALL BRG.- S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Screw

Miscellaneous Parts

GBW-24B	1	Head Band
GDZ-37	1	Spacer
8X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 7-3-41)

Assembly No.	Drive Pulley
GDZ-4807	None
GDZ-4807A	SP-379

† SERVICE BRUSH SET GBW-2012AS.

NOTE:- VRP-4001A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

* See table following parts list for part number applying to assembly wanted.

UNIT	APPLICATION
GDZ-4807,A	Dodge Truck

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GDZ-4808 GENERATOR PARTS LIST GDZ-4808

PRELIMINARY

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GDZ-3016)	1	Frame & Field Assembly
GAA-32	1	Terminal Post Top Ins.
GBW-34	1	Insulating Washer
GBW-66	1	Terminal Post Bottom Ins.
GBW-67	1	Terminal Post Bottom Ins.
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
GDZ-29	2	Pole Piece
GDZ-1005	1	FIELD COIL ASSY.- Comp.
GBW-58	1	Terminal Post
GDZ-1007	1	Field Coil - Left
GDZ-1008	1	Field Coil - Right
GEA-27	1	Terminal Post
GEA-30	1	Lead Assembly
X-847	1	Terminal
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
GY-20A	2	Frame Screw
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	2	#10 Lock Washer
X-199	2	1/4 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

DA-39	2	Flat Oil Guard
GAB-188	2	Felt Washer
GAR-83A	1	Comm. End Cap Cover
GBJ-25	1	End Cap Cover Gasket
GDZ-3017	1	Comm. End Plate Assembly
GBW-45	2	Brush Spring
GBW-1012A†	2	Brush - Main
GCJ-26	2	Brush Arm
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
GJ-320	1	Armature Shaft Nut
GR-32	1	Felt Washer Retainer
X-195	1	#8 Lock Washer
X-295	1	BALL BEARING - S.A.E. #203
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GDZ-2079F	1	ARMATURE ASSEMBLY
GAR-171	2	Snap Ring
GR-32	1	Felt Washer Retainer
X-161	1	1/2-20 Hex. Nut
X-264	1	#9 Woodruff Key
X-1500	1	1/2 Skpf. Washer

Drive End Head Assembly & Parts Used With

GAR-1062B	1	Drive End Head Assembly
GAR-62A	1	Drive End Head
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-295	1	BALL BRG. - S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Screw
X-1270	3	#10 Skpf. Washer

Miscellaneous Parts

GBW-1024D	1	Head Band Assembly
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 7-2-41)

† SERVICE BRUSH SET GBW-2012AS.

NOTE:- VRP-4004A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GDZ-4808	Wisconsin

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

PRELIMINARY

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GDZ-2038)	1	Frame & Field Assy.
GAA-32	1	Term. Post Top Ins.
GBW-34	1	Insulating Washer
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
GDZ-29	2	Pole Piece
GDZ-1005	1	FIELD COIL ASSY.-Comp.
GBW-58	1	Terminal Post
GDZ-1007	1	Field Coil - Left
GDZ-1008	1	Field Coil - Right
GEA-27	1	Terminal Post
GEA-30	1	Lead Assembly
X-847	1	Terminal
GEA-34	1	Term. Post Bottom Ins.
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
GK-20	2	Frame Screw
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	2	#10 Lock Washer
X-199	2	1/4 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Sc.
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

DA-39	2	Flat Oil Guard
DA-132	1	Felt Washer
GAB-188	1	Felt Washer
GAR-82	1	Air Deflector
GAR-83	1	Comm. End Cap Cover
GBJ-25	1	End Cap Cover Gasket
GDZ-2034	1	Comm. End Plate Assy.
GBW-45	2	Brush Spring
GBW-1012A†	2	Brush - Main
GCJ-26	2	Brush Arm
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Sc.
GR-32	1	Felt Washer Retainer
X-62	1	#10-32x3/8 Flat Hd. Screw
X-195	1	#8 Lock Washer
X-295	1	BALL BEARING-S.A.E. #203
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler-Press in Type
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAR-1177	1	Oil Thrower Assembly
GBM-21	1	Armature Shaft Nut
GDZ-2037F	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GK-174	1	1/2 Plain Washer
SP-96C	1	Ventilating Fan
X-156	1	1/2-20 Castellated Nut
X-258	1	#3 Woodruff Key
X-263	1	#8 Woodruff Key
X-404	1	3/32x1 Cotter Pin
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GDZ-1035	1	Drive End Head Assy.
GAR-95	1	Felt Washer
GDZ-35	1	Drive End Head
GX-9	1	Bearing Retainer
GX-10	1	Gasket
X-196	3	#10 Lock Washer
8X-311	3	#10-32x3/8 Rd. Hd. Sc.
X-378	1	BALL BEARING - S.A.E. #204

Miscellaneous Parts

GBW-24	1	Head Band
8X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 11-3-41)

† Service BRUSH SET GBW-2012AS.

NOTE:- VRP-4004F CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GDZ-4809	Diamond T

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

PRELIMINARY

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAL-326	1	Mounting Bracket
(GDZ-2039)	1	Frame & Field Assy.
GAA-32	1	Term. Post Top Ins.
GBW-34	1	Insulating Washer
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
GDZ-29	2	Pole Piece
GDZ-1005	1	FIELD COIL ASSY.-Comp.
GBW-58	1	Terminal Post
GDZ-1007	1	Field Coil - Left
GDZ-1008	1	Field Coil - Right
GEA-27	1	Terminal Post
GEA-30	1	Lead Assembly
X-847	1	Terminal
GEA-34	1	Term. Post Bottom Ins.
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
GY-20A	2	Frame Screw
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	2	#10 Lock Washer
X-199	2	1/4 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Sc.
X-465	4	3/8-24x3/4 Hex. Hd. Sc.
X-540	4	3/8 Lock Washer
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

(GDZ-2044)	1	Comm. End Plate Assy.
GAR-73	1	Oil Wick
GAR-98A	1	Wick Cover
GBW-69	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GBW-1012A†	2	Brush - Main
GBW-1068B	1	Comm. End Cap Cover
GDZ-1044A	1	C.E. Plate Part Assy.
GBF-79	1	ABSORBENT BRONZE BRG.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
X-195	5	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
8X-888	4	#8-32x5/16 Fill. Hd. Sc.
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GDZ-2006F	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GR-32	1	Felt Washer Retainer
SP-462	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GDZ-1040	1	Drive End Head Assy.
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GDZ-40	1	Drive End Head
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	BALL BEARING-S.A.E. #203
X-489	1	1/4 Oiler-Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Sc.

Miscellaneous Parts

GBW-24	1	Head Band
8X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 11-3-41)

† Service BRUSH SET GBW-2012AS.

NOTE:- VRP-4004F CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GDZ-4810A	Diamond T

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GDZ-4811A GENERATOR PARTS LIST GDZ-4811A

PRELIMINARY

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GDZ-71	1	Mounting Bracket
(GDZ-2001A)	1	Frame & Field Assy.
GAA-32	1	Term. Post Top Ins.
GBW-34	1	Insulating Washer
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
GDZ-29	2	Pole Piece
GDZ-1005	1	FIELD COIL ASSY.-Comp.
GBW-58	1	Terminal Post
GDZ-1007	1	Field Coil - Left
GDZ-1008	1	Field Coil - Right
GEA-27	1	Terminal Post
GEA-30	1	Lead Assembly
X-847	1	Terminal
GEA-34	1	Term. Post Bottom Ins.
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
GY-20A	2	Frame Screw
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	2	#10 Lock Washer
X-199	2	1/4 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Sc.
X-402	2	1/16x3/4 Cotter Pin
8X-863A	2	5/16-24 Hex. Hd. Screw
X-1014	2	5/16 Lock Washer
8X-1061	2	5/16-24 Castellated Nut
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

(GDZ-2002)	1	Comm. End Plate Assy.
GAR-73	1	Oil Wick
GAR-98A	1	Wick Cover
GBW-69	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GBW-1012A†	2	Brush - Main
GBW-1068B	1	Comm. End Cap Cover
GDZ-1002A	1	C.E. Plate Part Assy.
GBF-79	1	ABSORBENT BRONZE BRG.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
12X-195	5	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Sc.
8X-888	4	#8-32x5/16 Fill. Hd. Sc.
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GDZ-2006F	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GR-32	1	Felt Washer Retainer
SP-465	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GDZ-1003B	1	Drive End Head Assy.
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GDZ-3B	1	Drive End Head
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	BALL BEARING-S.A.E. #203
X-489	1	1/4 Oiler-Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Screw

Miscellaneous Parts

GBW-24	1	Head Band
8X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 11-3-41)

† Service BRUSH SET GBW-2012AS.

NOTE:- VRP-4004F CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GDZ-4811A	Diamond T

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GDZ-3033A)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term., Outer
GBW-34	1	Washer, Ins., Field Term., Outer
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Field Term.
GDZ-1005	1	COIL ASSY., FIELD, COMPLETE
GDZ-1007	1	Coil, Field, Left
GDZ-1008	1	Coil, Field, Right
GEA-27	1	Stud, Arm. Term., #14-24
GEA-30	1	Lead Assembly
X-847	1	Terminal
GEB-58	1	Stud, Field Term., #10-32
GEA-34	1	Insulation, Term. Stud, Inner
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term., Hex. #14-24
12X-193	2	Lockwasher, Arm. Term., #14
12X-196	2	Lockwasher, Field Term., #10
8X-349	1	Washer, Plain, Field Term., #10
8X-361	1	Washer, Plain, Arm. Term., 1/4
8X-1377	2	Nut, Field Term., Hex. #10-32
GY-20	2	Bolt, Thru
12X-196	1	Lockwasher, Ground Sc., #10
12X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground,Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

GDZ-3049	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBW-30	1	Cover, Comm. End
GBW-69	1	Gasket, C.E. Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Retaining
GDZ-1049A	1	Head Assy., Partial, C.E.
GBF-79	1	BEARING, ABS. BRONZE
GBW-45	2	Spring, Brush
GCJ-26	2	Arm, Brush
GEA-1012†	2	Brush
12X-195	4	Lockwasher, Cover Sc., #8
X-489	1	Oiler

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
8X-888	4	Screw, Cover, Rd. Hd. #8-32x5/16
X-195	2	Lockwasher, Brush Lead Sc., #8
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

GBM-21	1	Nut, Armature Shaft, D.E.
GDZ-3006F	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Rin g
GR-32	1	Retainer, Felt Washer
*	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
X-864	1	Lockwasher, Arm. Shaft, D.E.

Drive End Head Assembly & Parts Used With

GDZ-1050	1	Head Assy., Drive End
GAR-63	2	Retainer, Felt Washer
GAR-64	2	Retainer, Bearing
GDZ-50	1	Head
GG-164	2	Washer, Felt
8X-173	3	Nut, Brg. Retaining, Hex. #10-32
X-196	3	Lockwasher, Brg. Retaining Sc., #10
X-295	1	BEARING, BALL, S.A.E. #203
X-489	1	Oiler
8X-1003	3	Screw, Brg. Retaining, Rd. Hd. #10-32x7/8

Miscellaneous Parts

GBW-24B	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square, #10-32

Assembly No.	Pulley
GDZ-4812A	SP-1296
GDZ-4812B	SP-556A

BRUSH SET, SERVICE GEA-2012S.

* See table following parts list for part number applying to assembly wanted.

NOTE: VRP-4004F CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GDZ-4812A	Galion
GDZ-4812B	Wisconsin

(Issued 3-31-49)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
*	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term., Outer
GBW-34	1	Washer, Ins., Field Term., Outer
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Field Term.
GDZ-1005	1	COIL ASSY., FIELD, COMPLETE
GDZ-1007	1	Coil, Field, Left
GDZ-1008	1	Coil, Field, Right
GEA-27	1	Stud, Arm. Term., #14-24
GEA-30	1	Lead Assembly
X-847	1	Terminal
GEB-58	1	Stud, Field Term., #10-32
GEA-34	1	Insulation, Term. Stud, Inner
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term., Hex. #14-24
X-193	2	Lockwasher, Arm. Term., #14
X-196	2	Lockwasher, Field Term., #10
8X-349	1	Washer, Plain, Field Term., #10
8X-361	1	Washer, Plain, Arm. Term., 1/4
8X-1377	2	Nut, Field Term., Hex. #10-32
GY-20	2	Bolt, Thru
12X-196	1	Lockwasher, Ground Screw, #10
12X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

GDZ-2002S	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBW-69	1	Gasket, Comm. End Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GBW-1068	1	Cover, Comm. End
GDZ-1002A	1	Head Assy., Partial, C.E.
GBF-79	1	BEARING, ABS. BRONZE
GBW-45	2	Spring, Brush
GCJ-26	2	Arm, Brush
12X-195	4	Lockwasher, Cover Sc., #8
8X-888	4	Screw, C.E. Cover, Fill. Hd. #8-32x5/16
GEA-2012S	1	Brush Set, Service

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
12X-195	2	Lockwasher, Brush Lead Sc., #8
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Armature Shaft, D.E.
GDZ-2006F	1	ARMATURE ASSY.
GAR-171	1	Snap Ring
GR-32	1	Retainer, Felt Washer
*	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

GDZ-1075A	1	Head Assy., Drive End
GAR-63	2	Retainer, Felt Washer
GAR-64	2	Retainer, Bearing
GDZ-75A	1	Head, Drive End
GG-164	2	Washer, Felt
8X-173	3	Nut, Retainer Sc., Hex. #10-32
12X-196	3	Lockwasher, Retainer Sc., #10
X-295	1	BEARING, BALL, S.A.E. #203
X-489	1	Oiler
8X-1003	3	Screw, Bearing Retainer, Rd. Hd. #10-32x7/8

Miscellaneous Parts

GBW-24B	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square, #10-32

Assembly No.	Frame & Field	Pulley Drive	Regulator
GDZ-4813A	GDZ-2001	SP-741	VRP-4006H
GDZ-4813B	GDZ-2001	SP-325	VRP-4004FX
GDZ-4813C	GDZ-2001	SP-757B	VRP-4004FX
GDZ-4813D	GDZ-2001	SP-842	VRP-4004F
GDZ-4813E	GDZ-2001	SP-844	VRP-4004F
GDZ-4813F	GDZ-2001A	SP-845	VRP-4004F
GDZ-4813G	GDZ-2001	SP-465B	VRP-4004FX

* See table following parts list for part number applying to assembly wanted.

NOTE: - * CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GDZ-4813A,C,G	Continental
GDZ-4813B	Clark Tructractor
GDZ-4813D,E,F	International Harvester

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GDZ-4814AM,M GENERATOR PARTS LIST

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GDZ-2065S)	1	Frame & Field Assy.
MN-21A	2	Pin, Dowel
8X-20	1	Screw, Ground, Rd. Hd. #10-32x5/16
12X-196	1	Lockwasher, Ground Sc., #10
12X-199	2	Lockwasher, Field Term., 1/4
12X-1014	2	Lockwasher, Arm. Term., 5/16
8X-1649	2	Nut, Field Term., Hex. 1/4-28
8X-2843	2	Nut, Arm. Term., Hex. 5/16-24
GY-20B	2	Bolt, Thru
12X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

GDZ-2002F	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98C	1	Cover, Wick
GBW-69	1	Gasket, C.E. Cover
GBW-72A	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GBW-1068C	1	Cover, Comm. End
GDZ-1002K	1	Head Assy., Partial, C.E.
GBF-79	1	BEARING, ABS. BRONZE
GBW-45A	2	Spring, Brush
GCJ-26A	2	Arm, Brush
GGU-1012†	2	Brush
12X-195	4	Lockwasher, Cover Sc., #8
8X-1754	4	Screw, Cover, Fill. Hd. #8-32x5/16
X-10	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
12X-195	2	Lockwasher, Lead Sc., #8

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm. Shaft, D.E.
GDZ-2006FM	1	ARMATURE ASSY.
GAR-171A	1	Snap Ring
GR-32B	1	Retainer, Felt Washer
*	1	Pulley, Drive
X-260	1	Woodruff, Key, #5
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assy. & Parts Used With

Part No.	No. Used	Name of Part
GDZ-1003C	1	Head Assy., Drive End
GAR-63A	2	Retainer, Felt Washer
GAR-64A	2	Retainer, Bearing
GDZ-3C	1	Head, Drive End
GG-164	2	Washer, Felt
8X-25	3	Screw, Retainer, Rd. Hd. #10-32x7/8
12X-196	3	Lockwasher, Retainer Sc.,#10
X-295	1	BEARING, BALL, S.A.E. #203
X-489A	1	Oiler
8X-2853	3	Nut, Retainer Sc., Hex. #10-32

Miscellaneous Parts

GBW-24L	1	Band, Cover
X-2875	1	Nut, Cover Band, Square #10-32
X-2882	1	Screw, Cover Band, Fill. Hd. #10-32x1 1/2

* See table following parts list for part number applying to assembly wanted.

† BRUSH SET, SERVICE GGU-2012S.

NOTE: VRP-4301AM CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

Assembly No.	Pulley
GDZ-4814AM	SP-757B
GDZ-4814M	None

UNIT	APPLICATION
GDZ-4814AM,M	Chrysler (Marine & Industrial)

Printed in U. S. A.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GDZ-3080)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Field Term., Outer
GCY-28A	1	Bushing, Ins., Arm. Term.
GDZ-1005A	1	COIL ASSY., FIELD, COMPLETE
GDZ-1007A	1	Coil, Field, Upper
GDZ-1008A	1	Coil, Field, Lower
GEA-30D	1	Lead Assembly
X-847A	1	Terminal
GFL-27	1	Stud, Arm. Term., 5/16-24
GFL-31	1	Stud, Field Term.,1/4-28
GFL-23	1	Bushing, Ins., Field Term.
GFL-42	1	Insulation, Term. Stud, Inner
GK-38C	2	Screw, Pole Shoe
MN-21A	2	Pin, Dowel
MU-37G	1	Washer, Plain, Arm. Term., 5/16
SS-13	1	Washer, Ins., Arm. Term., Outer
12X-199	2	Lockwasher, Field Term., 1/4
19X-361	1	Washer, Plain, Field Term. 1/4
12X-1014	2	Lockwasher, Arm. Term., 5/16
X-1649	2	Nut, Field Term., Hex. 1/4-28
X-2843	2	Nut, Arm. Term., Hex. 5/16-24
GY-20B	2	Bolt, Thru
X-20	1	Screw, Ground, Rd. Hd. #10-32x5/16
12X-196	1	Lockwasher, Ground Screw, #10
12X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

GDZ-3049B	1	Head Assy., Comm. End.
GAR-73	1	Wick, Felt
GAR-98C	1	Cover, Wick
GBW-69	1	Gasket, C.E. Cover
GBW-72A	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GBW-1068C	1	Cover, Comm. End
GDZ-1049C	1	Head Assy., Partial, C.E.
GBF-79	1	BEARING, ABS. BRONZE
GBW-45A	2	Spring, Brush
GCJ-26A	2	Arm, Brush
GGU-1012†	2	Brush
12X-195	4	Lockwasher, Cover Sc., #8
X-1754	4	Screw, Cover, Fill. Hd. #8-32x5/16

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
X-10	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
12X-195	2	Lockwasher, Brush Lead Screw, #8

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm. Shaft, D.E.
GDZ-3006FM	1	ARMATURE ASSY.
GAR-171A	1	Snap Ring
GR-32B	1	Retainer, Felt Washer
*	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

GDZ-1050A	1	Head Assy., Drive End
GAR-63A	2	Retainer, Felt Washer
GAR-64A	2	Retainer, Bearing
GDZ-50A	1	Head, Drive End
GG-164	2	Washer, Felt
8X-25	3	Screw, Retainer, Rd. Hd. #10-32x7/8
12X-196	3	Lockwasher, Retainer Screw, #10
X-295	1	BEARING, BALL, S.A.E. #203
X-489A	1	Oiler
8X-2853	3	Nut, Retainer Screw, Hex. #10-32

Miscellaneous Parts

GBW-24L	1	Band, Cover
X-2875	1	Nut, Cover Band, Rd. Hd. #10-32
X-2882	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2

† BRUSH SET, SERVICE GGU-2012S.

NOTE: VRP-4301AM CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

* See table following parts list for part number applying to assembly wanted.

Assembly No.	Pulley
GDZ-4816AM	SP-757B
GDZ-4816M	None

UNIT	APPLICATION
GDZ-4816AM,M	Chrysler (Marine), Chrysler (Industrial)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GDZ-2096)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term., Outer
GBW-34	1	Washer, Ins., Field Term., Outer
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Field Term.
GDZ-1005	1	Coil Assy., Field, Comp.
GBW-58	1	Stud, Field Term., #10-32
GDZ-1007	1	Coil, Field, Left
GDZ-1008	1	Coil, Field, Right
GEA-27	1	Stud, Arm. Term., #14-24
GEA-30	1	Lead Assembly
X-847	1	Terminal
GEA-34	1	Insulation, Term. Stud, Inner
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel, Head Locating
8X-177	2	Nut, Arm. Term., Hex., #14-24
12X-193	2	Lockwasher, Arm. Term., #14
12X-196	2	Lockwasher, Field Term., #10
8X-349	1	Washer, Plain, Field Term., #10
8X-361	1	Washer, Plain, Arm. Term., 1/4
8X-1377	2	Nut, Field Term., Hex., #10-32
GY-20A	2	Bolt, Thru
X-196	1	Lockwasher, Ground Sc., #10
X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. Hd., #10-32x5/16

Comm. End Head Assembly & Parts Used With

GDZ-2087A	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBW-69	1	Gasket, Comm. End Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GBW-1012A†	2	Brush
GBW-1068	1	Cover, Comm. End
GDZ-1087C	1	Head Assy., Partial, C.E.
GBF-79	1	Bearing, Abs. Bronze
GBW-45	2	Spring, Brush
GCJ-26	2	Arm, Brush
12X-195	4	Lockwasher, Cover Sc., #8
8X-888	4	Screw, Cover, Fill. Hd., #8-32x5/16
X-195	2	Lockwasher, Brush Lead, #8
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Nut, Armature Shaft
GDZ-2006F	1	Armature Assy.
GAR-171	1	Snap Ring
GR-32	1	Retainer, Felt Washer
SP-781	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
X-864	1	Lockwasher, Arm. Shaft

Drive End Head Assembly & Parts Used With

GDZ-1088A	1	Head Assy., Drive End
GAR-63	2	Retainer, Felt Washer
GAR-64	2	Retainer, Bearing
GDZ-88A	1	Head, Drive End
GG-164	2	Washer, Felt
8X-173	3	Nut, Brg. Retaining, Hex., #10-32
X-295	1	Bearing, Ball
X-489	1	Oiler, Press in, 1/4
8X-1003	3	Screw, Brg. Retaining, Rd. Hd., #10-32x7/8
X-1270	3	Washer, Skpf., Retainer Screw, #10

Miscellaneous Parts

GBW-24B	1	Band, Cover
8X-715	1	Screw, Cover Band, Rd. Hd., #10-32x1 1/4
8X-794	1	Nut, Cover Band, Square, #10-32
		1 2 3 4 5

† Brush Set, Service GBW-2012AS.

NOTE:- VRP-4007C-2 Current Voltage Regulator is used with but is not a part of this generator.

(Issued 4-16-46)

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GDZ-2001)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term., Outer
GBW-34	1	Washer, Ins., Field Term., Outer
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Field Term.
GDZ-1005	1	COIL ASSY., FIELD, COMPLETE
GDZ-1007	1	Coil, Field, Left
GDZ-1008	1	Coil, Field, Right
GEA-27	1	Stud, Arm. Term., #14-24
GEA-30	1	Lead Assy.
X-847	1	Terminal
GEB-58	1	Stud, Field Term., #10-32
GEA-34	1	Insulation, Term. Stud, Inner
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term., Hex. #14-24
12X-193	2	Lockwasher, Arm. Term., #14
12X-196	2	Lockwasher, Field Term.,#1(
8X-349	1	Washer, Plain, Field Term., #10
8X-361	1	Washer, Plain, Arm. Term., 1/4
8X-1377	2	Nut, Field Term., Hex. #10-32
GY-20	2	Bolt, Thru
12X-196	1	Lockwasher, Ground Screw, #10
12X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground,Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

GBW-2012AS	1	BRUSH SET, SERVICE
GDZ-2002S	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBW-69	1	Gasket, C.E. Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Retaining
GBW-1068	1	Cover, Comm. End
GDZ-1002A	1	Head Assy., Partial, C.E.
GBF-79	1	BEARING, ABS. BRONZE
GBW-45	2	Spring, Brush
GCJ-26	2	Arm, Brush
12X-195	4	Lockwasher, Cover Sc., #8
8X-888	4	Screw, C.E. Cover, Fill. Hd. #8-32x5/16
12X-195	2	Lockwasher, Brush Lead Sc., #8
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GBM-21B	1	Nut, Armature Shaft
GDZ-2006F	1	ARMATURE ASSY.
GAR-171	1	Snap Ring
GR-32	1	Retainer, Felt Washer
*	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
12X-864	1	Lockwasher, Shaft

Drive End Head Assembly & Parts Used With

GDZ-1075A	1	Head Assy., Drive End
GAR-63	2	Retainer, Felt Washer
GAR-64	2	Retainer, Bearing
GDZ-75A	1	Head, Drive End
GG-164	2	Washer, Felt
8X-173	3	Nut, Retaining Sc., Hex. #10-32
12X-196	3	Lockwasher, Retainer Sc., #10
X-295	1	BEARING, BALL, S.A.E. #203
X-489	1	Oiler
8X-1003	3	Screw, Bearing Retainer, Rd. Hd. #10-32x7/8

Miscellaneous Parts

GBW-24B	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

NOTE: * CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

Assembly No.	Pulley	Regulator
GDZ-4818A	SP-1917	VRP-4004F-2
GDZ-4818B	SP-389	VRP-4004F

UNIT	APPLICATION
GDZ-4818A	Kaiser, Frazer
GDZ-4818B	Aircooled

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GDZ-3080)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Field Term., Outer
GCY-28A	1	Bushing, Ins., Arm. Term.
GDZ-1005A	1	COIL ASSY., FIELD, COMPLETE
GDZ-1007A	1	Coil, Field, Upper
GDZ-1008A	1	Coil, Field, Lower
GEA-30D	1	Lead Assy.
X-847A	1	Terminal
GFL-27	1	Stud, Arm. Term., 5/16-24
GFL-31	1	Stud, Field Term., 1/4-28
GFL-23	1	Bushing, Ins., Field Term.
GFL-42	1	Insulation, Term. Stud, Inner
GK-38C	2	Screw, Pole Shoe
MN-21A	2	Pin, Dowel
MU-37G	1	Washer, Plain, Arm. Term.
SS-13	1	Washer, Ins., Arm. Term. Outer
12X-199	2	Lockwasher, Field Term., 1/4
19X-361	1	Washer, Plain, Field Term., 1/4
12X-1014	2	Lockwasher, Arm. Term., 5/16
X-1649	2	Nut, Field Term., Hex. 1/4-28
X-2843	2	Nut, Arm. Term., Hex. 5/16-24
GY-20B	2	Bolt, Thru
X-20	1	Screw, Ground, Rd. Hd. #10-32x5/16
12X-196	1	Lockwasher, Ground Sc., #10
12X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

GDZ-3095A	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98C	1	Cover, Wick
GBW-69	1	Gasket, C.E. Cover
GBW-72A	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GBW-1068C	1	Cover, Comm. End
GDZ-1095A	1	Head Assy., Partial, C.E.
GBF-79	1	BEARING, ABS. BRONZE
GBW-45A	2	Spring, Brush
GCJ-26A	2	Arm, Brush
GGU-1012†	2	Brush

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
12X-195	4	Lockwasher, Cover Sc., #8
X-1754	4	Screw, C.E. Cover, Fill. Hd. #8-32x5/16
X-10	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
12X-195	2	Lockwasher, Lead Sc., #8

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm. Shaft, D.E.
GDZ-3006FM	1	ARMATURE ASSY.
GAR-171A	1	Snap Ring
*	1	Spacer, Shaft
GR-32B	1	Retainer, Felt Washer
*	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

GAL-1336A	1	Head Assy., Drive End
GAL-336A	1	Head, D.E.
GAM-34A	1	Retainer, Felt Washer, Outer
GAR-63A	1	Retainer, Felt Washer, Inner
GAR-64A	1	Retainer, Bearing
GG-164	2	Washer, Felt
X-21	3	Screw, Retainer, Rd. Hd. #10-32x3/8
12X-196	3	Lockwasher, Retainer Sc., #10
X-295	1	BEARING, BALL, S.A.E. #203
X-489A	1	Oiler

Miscellaneous Parts

GBW-24L	1	Band, Cover
X-2882	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
X-2875	1	Nut, Cover Band, Square #10-32

† GGU-2012S BRUSH SET, SERVICE.

NOTE: - * CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

* See table following parts list for part number applying to assembly wanted.

(Continued on Reverse Side)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GDZ-4819AM, BM, CM, M GENERATOR PARTS (Continued)

Assembly No.	Spacer	Pulley	Regulator
GDZ-4819AM	None	SP-843	VRP-4302AM
GDZ-4819BM	GEG-31A	SP-881	VRP-4302BM
GDZ-4819CM	None	SP-1344A	VRP-4302BM
GDZ-4819M	None	None	VRP-4302AM

UNIT	APPLICATION
GDZ-4819AM, M	Chrysler (Marine)
GDZ-4819BM	Packard (Marine)
GDZ-4819CM	Easthope (Marine)

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GDZ-2065)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Field Term., Outer
GCY-28A	1	Bushing, Ins., Arm. Term., Inner
GDZ-1005A	1	COIL, FIELD ASSY., COMP.
GDZ-1007A	1	Coil, Field, Upper
GDZ-1008A	1	Coil, Field, Lower
GEA-30D	1	Lead Assy.
X-847A	1	Terminal
GFL-27	1	Stud, Arm. Term. 5/16-24
GFL-31	1	Stud, Field Term., 1/4-28
GFL-23	1	Bushing, Ins., Field Term., Inner
GFL-42	1	Insulation, Term. Stud, Inner
GK-38C	2	Screw, Pole Shoe
MN-21A	2	Pin, Dowel
MU-37G	1	Washer, Plain, Arm. Term.
SS-13	1	Washer, Ins., Arm. Term., Outer
12X-199	2	Lockwasher, Field Term., 1/4
19X-361	1	Washer, Plain, Field Term., 1/4
12X-1014	2	Lockwasher, Arm. Term., 5/16
X-1649	2	Nut, Field Term., Hex. Hd., 1/4-28
X-2843	2	Nut, Arm. Term., Hex. Hd., 5/16-24
GY-20B	2	Bolt, Thru
X-20	1	Screw, Ground, Rd. Hd., #10-32x5/16
12X-196	1	Lockwasher, Ground Screw #10
12X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

GDZ-2094	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98C	1	Cover, Wick
GBW-69	1	Gasket, Comm. End Cover
GBW-72A	1	Oil, Guard
GBW-73	1	Gasket, Oil Guard
GBW-1012A†	2	Brush
GBW-1068C	1	Cover, Comm. End
GDZ-1094A	1	Head Assy., Partial, C.E.
		1 2 3 4 5

Comm. End Head Assembly & Parts Continued

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBF-79	1	BEARING, ABS. BRONZE
GBW-45A	2	Spring, Brush
GCJ-26A	2	Arm, Brush
12X-195	4	Lockwasher, Cover Sc. #8
X-1754	4	Screw, Cover, Fil. Hd., #8-32x5/16
X-10	2	Screw, Brush Lead, Rd. Hd., #8-32x1/4
12X-195	2	Lockwasher, Brush Lead Sc., #8

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Shaft, Hex., .669-20
GDZ-2006FM	1	ARMATURE ASSY.
GAR-171A	1	Snap Ring
*	1	Spacer, Shaft
GR-32B	1	Retainer, Felt Washer
*	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
12X-864	1	Lockwasher, Shaft, .669

Drive End Head Assembly & Parts Used With

GDZ-1064	1	Head Assy., Drive End
GAM-34A	1	Retainer, Felt Washer, Outer
GAR-63A	1	Retainer, Felt Washer, Inner
GAR-64A	1	Retainer, Bearing
GDZ-64	1	Head
GG-164	2	Washer, Felt
8X-21	3	Screw, Retainer, Rd. Hd., #10-32x3/8
12X-196	3	Lockwasher, Retainer Sc.,#10
X-295	1	BEARING, BALL, S.A.E. #203
X-489A	1	Oiler, Hinge Top, Press in, 1/4

Miscellaneous Parts

GBW-24L	1	Band, Cover
X-2873	1	Screw, Cover Band, Rd. Hd., #10-32x1 1/4
X-2875	1	Nut, Cover Band, Square, #10-32
		1 2 3 4 5

† GBW-2012AS BRUSH SET, SERVICE.

NOTE: - * CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

* See table following parts list for part number applying to assembly wanted.

(Continued)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Assembly No.	Spacer	Pulley	Regulator
GDZ-4820AM	None	SP-843	VRP-4302AM
GDZ-4820BM	GEG-31A	SP-881	VRP-4302BM
GDZ-4820M	None	None	VRP-4302AM

UNIT	APPLICATION
GDZ-4820AM,M	Chrysler (Marine)
GDZ-4820BM	Packard (Marine)

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GDZ-4822A, A-1, B, S-1 GENERATOR PARTS LIST

GDZ-4822A, A-1, B, S-1 (Issued 4-22-55)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GDZ-2001	1	Frame & Field Assembly
GAA-32	1	Washer, Ins., Arm. Term., Outer
GBW-34	1	Washer, Ins., Field Term., Outer
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Field Term.
GDZ-1005	1	COIL ASSY., FIELD, COMP.
GDZ-1007	1	Coil, Field, Left
GDZ-1008	1	Coil, Field, Right
GEA-27	1	Stud, Arm. Term., #14-24
GEA-30	1	Lead Assembly
X-847	1	Terminal
GEB-58	1	Stud, Field Term., #10-32
GEA-34	1	Insulation, Term. Stud, Inner
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term., Hex. #14-24
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-349	1	Washer, Field Term., Plain #10
8X-361	1	Washer, Arm. Term., Plain 1/4
8X-1377	2	Nut, Field Term., Hex. #10-32
GY-20	2	Bolt, Thru
12X-196	1	Lockwasher, Ground Sc., #10
12X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

GDZ-2094AS	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBW-69	1	Gasket, C.E. Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GBW-1068	1	Cover, Comm. End
GDZ-1094C	1	Head Assy., Partial, C.E.
GBF-79	1	BEARING, ABS. BRONZE
GBW-45	2	Spring, Brush
GCJ-26	2	Arm, Brush
12X-195	4	Lockwasher, Cover Sc., #8
8X-888	4	Screw, Cover, Fill. Hd. #8-32x5/16
GGU-2012S	1	BRUSH SET, SERVICE
12X-195	2	Lockwasher, Lead Sc., #8
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GBM-21B	1	Nut, Arm. Shaft, D.E.
GDZ-2006F	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GR-32	1	Retainer, Felt Washer
*	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

GDZ-1064A	1	Head Assy., Drive End
GBM-124	1	Gasket, Bearing Retainer
GBM-125	1	Retainer, Felt Washer, Inner
GBM-127	1	Retainer, Bearing
GBM-128	1	Retainer, Felt Washer, Outer
GDZ-64A	1	Head, Drive End
GG-164	2	Washer Felt
GGW-52	3	Sc., Retainer, Rd. Hd. #10-32x1/2
12X-196	3	Lockwasher, Retainer Sc. #10
X-441	1	BEARING, BALL, S.A.E. #203
X-2961	1	Oiler

Miscellaneous Parts

GBW-1024R	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

NOTE: * CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

* See table following parts list for part number applying to assembly wanted.

Assembly No.	Pulley	Regulator
GDZ-4822A	SP-700	VRW-4001BX
GDZ-4822A-1	SP-700	VRW-8002C
GDZ-4822B	PU-138	VRW-4001BX
GDZ-4822S-1	None	VRW-4001BX

UNIT	APPLICATION
GDZ-4822A	Cockshutt (Can.) Chrysler (Ind.)
GDZ-4822A-1	Massey-Harris
GDZ-4822B	Chrysler (Ind.)
GDZ-4822S-1	Service

Printed in U.S.A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GDZ-3080)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Field Term., Outer
GCY-28A	1	Bushing, Ins., Arm. Term., Inner
GDZ-1005A	1	COIL ASSY., FIELD COMP.
GDZ-1007A	1	Coil, Field, Upper
GDZ-1008A	1	Coil, Field, Lower
GEA-30D	1	Lead Assy.
X-847A	1	Terminal
GFL-27	1	Stud, Arm. Terminal
GFL-31	1	Stud, Field Terminal
GFL-23	1	Bushing Ins., Field Term., Inner
GFL-42	1	Insulation, Term. Stud, Inner
GK-38C	1	Screw, Pole Shoe
MN-21A	2	Pin, Dowel
MU-37G	1	Washer, Plain, Arm. Term.
SS- 13	1	Washer, Ins., Arm. Term., Outer
12X-199	2	Lockwasher, Field Term., 1/4
19X-361	1	Washer, Plain, Field Term., 1/4
12X-1014	2	Lockwasher, Arm. Term., 5/16
X-1649	2	Nut, Field Term., Hex. 1/4-28
X-2843	2	Nut, Arm. Term., Hex. 5/16-24
GY-20B	2	Bolt, Thru
X-20	1	Screw, Ground, Rd. Hd. #10-32x5/16
12X-196	1	Lockwasher, Ground Screw, #10
12X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

GEA-2012S	1	BRUSH SET, SERVICE
GDZ-2095S	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98C	1	Cover, Wick
GBW-69	1	Gasket, C.E. Cover
GBW-72A	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GBW-1068C	1	Cover, Comm. End
GDZ-1095C	1	Head Assy., Partial, C.E.
GBF-79	1	BEARING, ABS. BRONZE
GBW-45A	2	Spring, Brush
GCJ-26A	2	Arm, Brush

Comm. End Head Assembly & Parts (Cont'd.)

Part No.	No. Used	Name of Part
12X-195	4	Lockwasher, Cover Sc., #8
X-1754	4	Screw, C.E. Cover, Fill. Hd. #8-32x5/16
X-10	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
12X-195	2	Lockwasher, Brush Lead Sc., #8

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm. Shaft, D.E.
GDZ-2006FM	1	ARMATURE ASSY.
GAR-171A	1	Snap Ring
GR-32B	1	Retainer, Felt Washer
SP-843	1	Pulley, Drive
X-260	1	Key, Woodruff, #6
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assy. & Parts Used With

GAL-1336A	1	Head Assy., Drive End
GAL-336A	1	Head
GAM-34A	1	Retainer, Felt Washer, Outer
GAR-63A	1	Retainer, Felt Washer, Inner
GAR-64A	1	Retainer, Bearing
GG-164	2	Washer, Felt
X-21	3	Screw, Retainer, Rd. Hd. #10-32x3/8
12X-196	3	Lockwasher, Retainer Sc., #10
X-295	1	BEARING, BALL, S.A.E. #203
X-489A	1	Oiler, Hinge Top, Press In, 1/4

Miscellaneous Parts

GBW-1024N	1	Band, Cover
X-2882	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
X-2875	1	Nut, Cover Band, Square #10-32

NOTE: - VRP-4302AM CURRENT VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GDZ-4823AM	Chrysler (Marine)

(Issued 10-3-49)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GDZ-6001A, B, C, D, E, F, S GENERATOR PARTS LIST

GDZ-6001A, B, C, D, E, F, S
(Issued 4-28-55)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GGY-2001	1	Frame & Field Assembly
GDW-44	1	Washer, Ins., Arm. Term.
GGU-30	1	Washer, Ins., Field Term.
GGU-31	1	Washer, Plain, Field Term.
GGU-32	2	Bushing, Ins., Term. Stud
GGY-1005	1	COIL ASSY., FIELD, COMP.
GGU-27	1	Stud, Field Term. #10-32
GGU-28	1	Stud, Arm. Term., 1/4
GGU-40	1	Lead Assembly
X-3092	1	Terminal
GGY-1007	1	Coil, Field, Left
GGY-1008	1	Coil, Field, Right
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term.
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
GK-20A	2	Bolt, Thru
12X-196	1	Lockwasher, Ground Screw, #10
12X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

GGW-2002S	1	Head Assy., Comm. End
GAL-40C	1	Cover, Bearing, C. E.
GCJ-26	2	Arm, Brush
GGU-38A	1	BEARING, ABS. BRONZE
GGW-41	1	Wick, Felt
GGY-45	2	Spring, Brush
X-489	1	Oiler
GGY-2012S	1	BRUSH SET, SERVICE
12X-195	2	Lockwasher, Lead Screw, #8
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm. Shaft, D. E.
GGY-2006F	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GR-32	1	Retainer, Felt Washer
*	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
12X-864	1	Lockwasher, Shaft, D. E.

Drive End Head Assembly & Parts Used With

Part No.	No. Used	Name of Part
GGW-1003	1	Head Assy., Drive End
GBM-124	1	Gasket, Brg. Retainer
GBM-125	1	Retainer, Felt Washer, Inner
GBM-127	1	Retainer, Bearing
GBM-128	1	Retainer, Felt Washer, Outer
GG-164	2	Washer, Felt
GGW-3	1	Head, Drive End
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
12X-196	3	Lockwasher, Retainer Sc., #10
X-295	1	BEARING, BALL, S. A. E. #203
X-489	1	Oiler

Miscellaneous Parts

GGW-1024	1	Band, Cover

NOTE: * CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

* See table following parts list for part number applying to assembly wanted.

Assembly No.	Pulley	Regulator
GDZ-6001A	SP-1960	VRP-4004F VRP-6005A
GDZ-6001B	SP-1962	VRP-6002A VRP-4004P-1 VRP-4004F-3
GDZ-6001C	SP-1949	VRP-4007C-2
GDZ-6001D	SP-1986	VRP-4007C-2
GDZ-6001E	SP-1987	VRP-4004F
GDZ-6001F	PU-1001	VRP-4004F
GDZ-6001S	None	

UNIT	APPLICATION
GDZ-6001A	Studebaker
GDZ-6001B	Hudson
GDZ-6001C	Volvo (Exp.)
GDZ-6001D	Willys
GDZ-6001E	Henry J
GDZ-6001F	Kaiser
GDZ-6001S	Service Gen.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GGY-2036	1	Frame & Field Assembly
GAR-21	1	Pin, Dowel
GDW-44	1	Washer, Ins., Arm. Term.
GGU-30	1	Washer, Ins., Field Term.
GGU-31	1	Washer, Plain, Field Term.
GGU-32	2	Bushing, Ins., Term. Stud
GGY-1005	1	COIL ASSEMBLY, FIELD, COMPLETE
GGU-27	1	Stud, Field Term., #10-32
GGU-28	1	Stud, Arm. Term., 1/4-28
GGU-40	1	Lead Assembly
X-3092	1	Terminal
GGY-1007	1	Coil, Field, Left
GGY-1008	1	Coil, Field, Right
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
GK-20A	2	Bolt, Thru
12X-196	1	Lockwasher, Ground Screw, #10
12X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

GGU-2012S	1	BRUSH SET, SERVICE
GGW-2035S	1	Head Assy., Comm. End
GAL-40D	1	Cover, Bearing, C.E.
GGW-41	1	Wick, Felt
GGW-1035A	1	Head Assembly, Partial C.E.
GCJ-26	2	Arm, Brush
GGU-38A	1	BEARING, ABSORBENT BRONZE
GGY-45	2	Spring, Brush
X-489	1	Oiler
12X-195	2	Lockwasher, Lead Screw, #8
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GBM-21B	1	Nut, Arm. Shaft, D.E.
GGY-2037F	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GR-32	1	Retainer, Felt Washer
PU-1017	1	PULLEY, DRIVE
X-260	1	Key, Woodruff, #5
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

GGW-1038	1	Head Assy., Drive End
GBM-124	1	Gasket, Brg. Retainer
GBM-125	1	Retainer, Felt Washer, Inner
GBM-127	1	Retainer, Bearing
GBM-128	1	Retainer, Felt Washer, Outer
GG-164	2	Washer, Felt
GGW-38	1	Head, Drive End
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x3/8
12X-196	3	Lockwasher, Retainer Screw, #10
X-295	1	BEARING, BALL, S.A.E. #203
X-489	1	Oiler

Miscellaneous Parts

GAL-24K	1	Band, Cover
X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

NOTE: VRP-4004F CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GDZ-6002A	Nash (Canada)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GGY-2001	1	Frame & Field Assembly
GDW-44	1	Washer, Ins., Arm. Term.
GGU-30	1	Washer, Ins., Field Term.
GGU-31	1	Washer, Plain, Field Term.
GGU-32	2	Bushing, Ins., Term. Stud
GGY-1005	1	COIL ASSEMBLY, FIELD, COMPLETE
GGU-27	1	Stud, Field Term., #10-32
GGU-28	1	Stud, Arm. Term., 1/4-28
GGU-40	1	Lead Assembly
X-3092	1	Terminal
GGY-1007	1	Coil, Field, Left
GGY-1008	1	Coil, Field, Right
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Ar. Term.
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
GK-20A	2	Bolt, Thru
12X-196	1	Lockwasher, Grd. Sc., #10
12X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

GBW-2012AS	1	BRUSH SET, SERVICE
GGY-2017S	1	Head Assy., Comm. End
GAL-40C	1	Cover, Bearing, C.E.
GCJ-26	2	Arm, Brush
GGU-38A	1	BEARINS, ABS. BRONZE
GGW-41	1	Wick, Felt
GGY-45	2	Spring, Brush
X-489	1	Oiler
12X-195	2	Lockwasher, Lead Screw, #8
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GAR-1177	1	Oil Thrower
GGY-2018F	1	ARMATURE
X-156	1	Nut, Arm. Shaft, D.E.
X-263	1	Key, Woodruff, #8
X-358	1	Washer, Plain, Arm. Shaft
X-404	1	Pin, Cotter

Drive End Head Assembly & Parts Used With

GAR-1096B	1	Head Assy., Drive End
GAR-95	1	Washer, Felt
GAR-96B	1	Head, D.E.
GGW-52	3	Screw, Retainer, Rd. Hd. #10-32x1/2
GX-9	1	Retainer, Bearing
GX-10	1	Gasket
12X-196	3	Lockwasher, Retainer Screw, #10
X-378	1	BEARING, BALL, SHIELDED, S.A.E. #204

Miscellaneous Parts

GBW-1024LS	1	Band, Cover
X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

NOTE: VRW-8002C CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GDZ-6003	Hercules, Massey-Harris, Nordberg

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GEA-2001)	1	Frame & Field Assembly
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-58	1	Terminal Post
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
GEA-29	2	Pole Piece
GEA-34	1	Term. Post Bottom Ins.
GEA-1005	1	FIELD COIL ASSY.- COMP.
GEA-27	1	Terminal Post
GEA-30	1	Lead Assembly
X-847	1	Terminal
GEA-1007	1	Field Coil - Left
GEA-1008	1	Field Coil - Right
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
GY-20	2	Frame Screw
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	2	#10 Lock Washer
12X-199	2	1/4 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assy. & Parts Used With

(GEA-2002)	1	Comm. End Plate Assy.
GAR-73	1	Oil Wick
GAR-98A	1	Wick Cover
GBW-69	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GBW-1012A‡	2	Brush - Main
GBW-1068B	1	Comm. End Cap Cover
GEA-1002A	1	C.E. Plate Part Assy.
GBF-79	1	ABSORBENT BRONZE BRG.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
12X-195	5	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
8X-888	4	#8-32x5/16 Fill. Hd. Sc.
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GDZ-2006F	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GR-32	1	Felt Washer Retainer
*	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assy. & Parts Used With

GEA-1003	1	Drive End Head Assembly
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GEA-3	1	Drive End Head
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	BALL BRG.- S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Screw

Miscellaneous Parts

GEA-24	1	Head Band Assembly
8X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 6-27-39)

Assembly No.	Drive Pulley
GEA-4801	None
GEA-4801A	SP-1296

* See table following parts list for part number applying to assembly wanted.

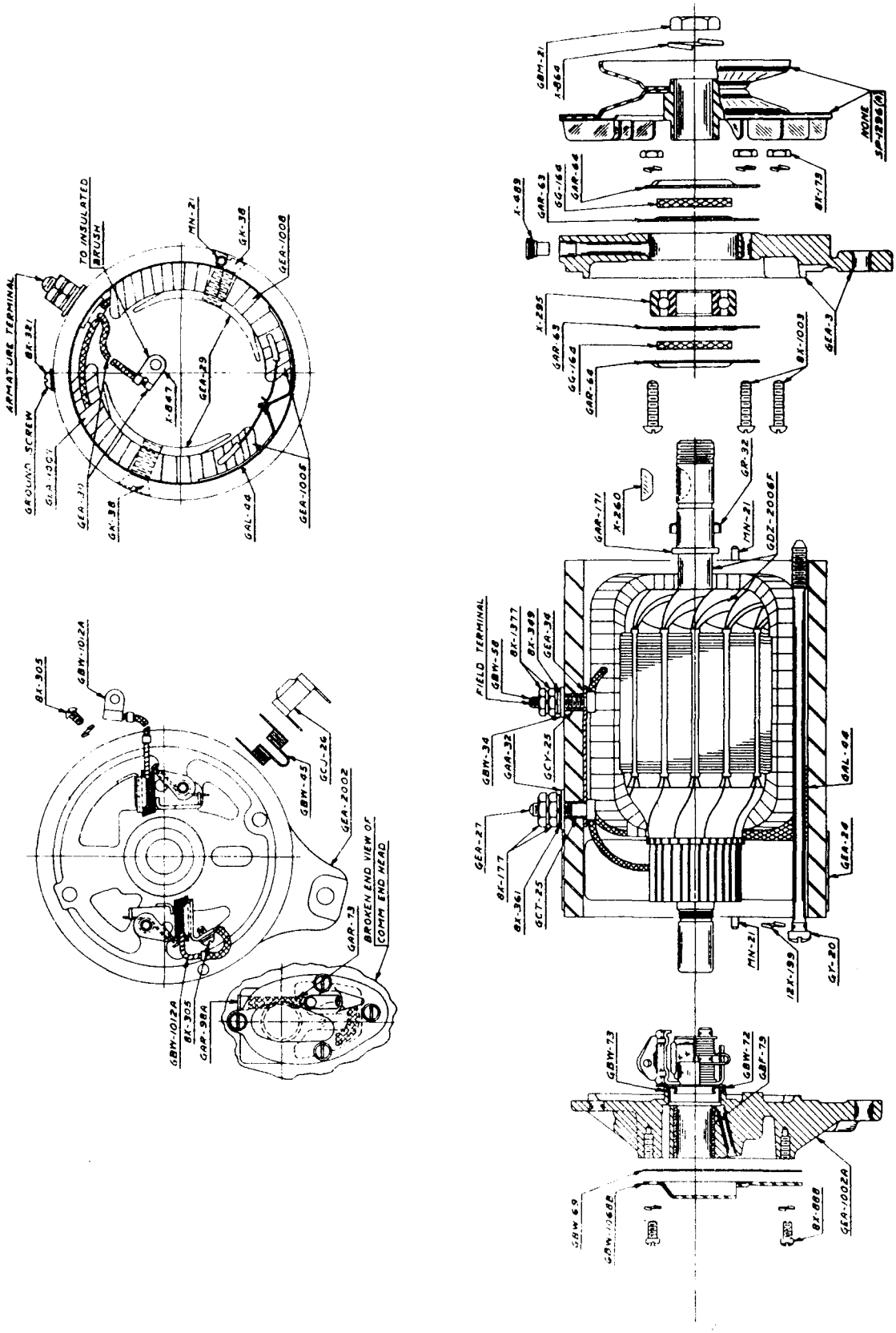
‡ Service BRUSH SET GBW-2012AS.

NOTE:- VRP-4002A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GEA-4801,A	Packard

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking su -parts the complete part can be assembled as needed."

GEA-4801,A GENERATOR ILLUSTRATION



Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GEA-2001)	1	Frame & Field Assembly
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-58	1	Terminal Post
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
GEA-29	2	Pole Piece
GEA-34	1	Term. Post Bottom Ins.
GEA-1005	1	FIELD COIL ASSY.-COMP.
GEA-27	1	Terminal Post
GEA-30	1	Lead Assembly
X-847	1	Terminal
GEA-1007	1	Field Coil - Left
GEA-1008	1	Field Coil - Right
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
GY-20	2	Frame Screw
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	2	#10 Lock Washer
12X-199	2	1/4 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assy. & Parts Used With

(GEA-2002)	1	Comm. End Plate Assy.
GAR-73	1	Oil Wick
GAR-98A	1	Wick Cover
GBW-69	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GBW-1012A‡	2	Brush - Main
GBW-1068B	1	Comm. End Cap Cover
GEA-1002A	1	C.E. Plate Part Assy.
GBF-79	1	ABSORBENT BRONZE BRG.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
12X-195	5	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
8X-888	4	#8-32x5/16 Fill. Hd. Sc.
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GDZ-2006F	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GR-32	1	Felt Washer Retainer
SP-370	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assy. & Parts Used With

GEA-1004	1	Drive End Head Assy.
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GEA-4	1	Drive End Head
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	BALL BRG. - S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Screw

Miscellaneous Parts

GEA-24	1	Head Band Assembly
8X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 5-22-40)

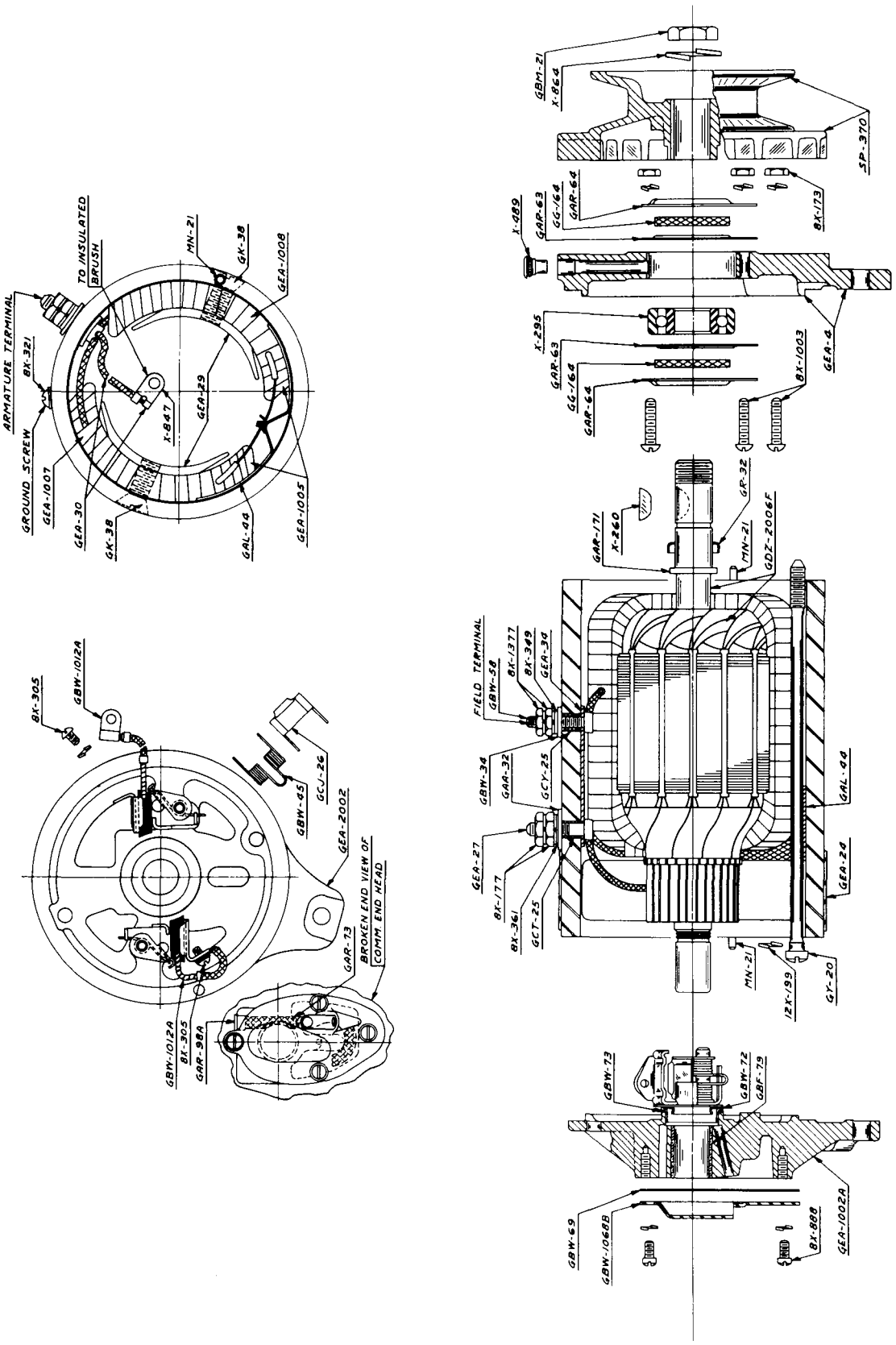
‡ Service BRUSH SET GBW-2012AS.

NOTE:- VRP-4202A-1 CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GEA-4802A	Packard

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GEA-4802A GENERATOR ILLUSTRATION



Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GEA-2001A)	1	Frame & Field Assembly
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
GEA-29	2	Pole Piece
GEA-34	1	Terminal Post Bottom Ins.
GEA-1005	1	FIELD COIL ASSY.- Comp.
GBW-58	1	Terminal Post
GEA-27	1	Terminal Post
GEA-30	1	Lead Assembly
X-847	1	Terminal
GEA-1007	1	Field Coil - Left
GEA-1008	1	Field Coil - Right
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
5X-1377	1	#10-32 Hex. Nut
GY-20	2	Frame Screw
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	2	#10 Lock Washer
X-199	2	1/4 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
5X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assy. & Parts Used With

(GEA-2002A)	1	Comm. End Plate Assembly
GAR-73	1	Oil Wick
GAR-98A	1	Wick Cover
GBW-30B	1	Comm. End Cap Cover
GBW-69	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GBW-1012A‡	2	Brush - Main
GEA-1002C	1	C. E. Plate Part Assy.
GBF-79	1	ABSORBENT BRONZE BRG.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
X-195	5	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
8X-888	4	#8-32x5/16 Fill. Hd. Sc.
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GDZ-2006F	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GR-32	1	Felt Washer Retainer
*	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assy. & Parts Used With

GEA-1003	1	Drive End Head Assembly
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GEA-3	1	Drive End Head
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	BALL BRG. - S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Screw

Miscellaneous Parts

GEA-24A	1	Head Band
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 7-31-40)

Assembly No.	Drive Pulley
GEA-4803A	SP-1334
GEA-4803B	SP-1323

* See table following parts list for part number applying to assembly wanted.

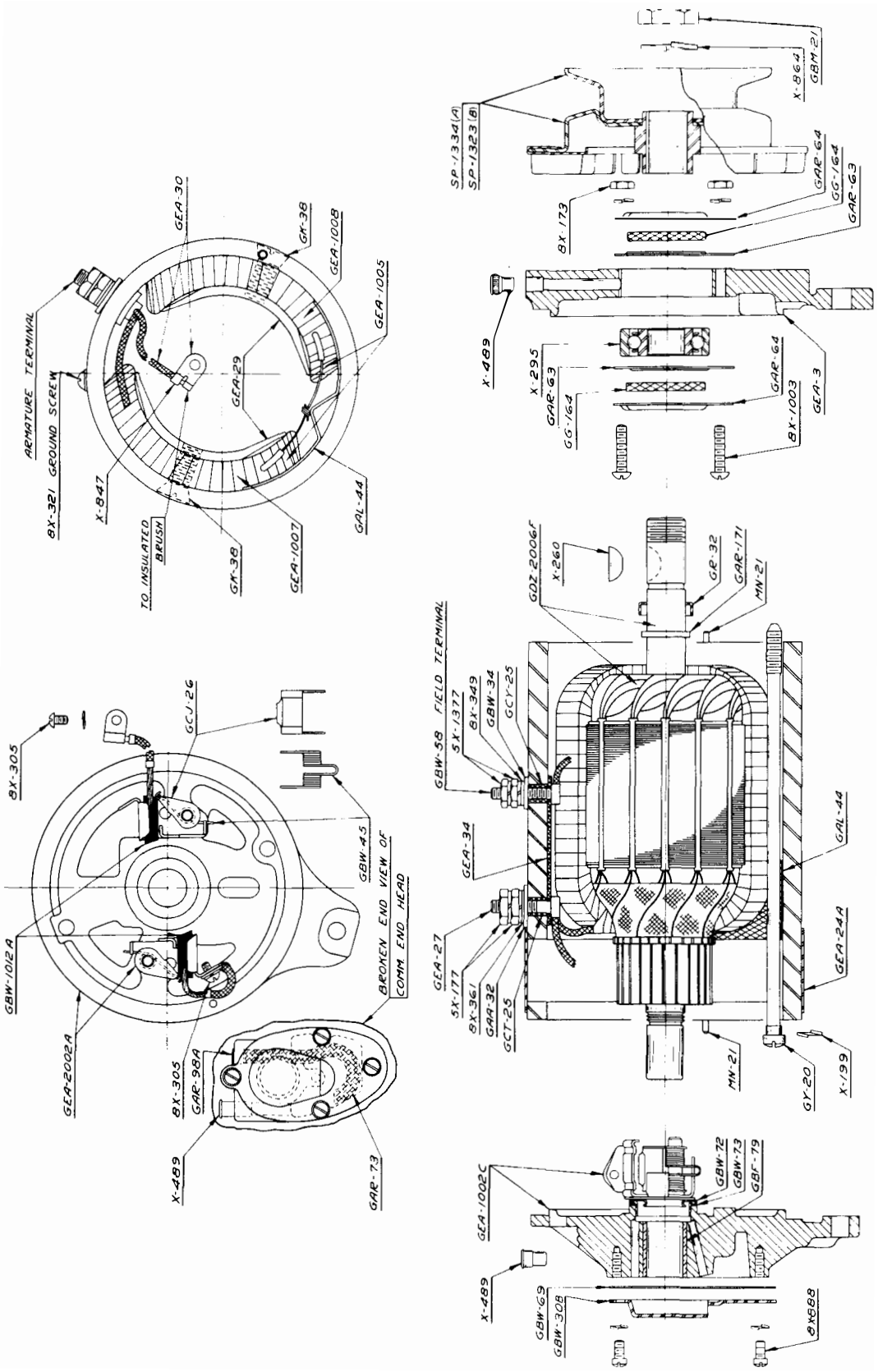
NOTE:- VRP-4004A CURRENT-VOLTAGE REGULATOR is used with but is not part of this generator.

‡ SERVICE BRUSH SET GBW-2012AS.

UNIT	APPLICATION
GEA-4803A	Studebaker
GEA-4803B	Hudson

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GEA-4803A,B GENERATOR ILLUSTRATION



Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GEA-2001A)	1	Frame & Field Assy.
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-58	1	Terminal Post
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
GEA-29	2	Pole Piece
GEA-34	1	Terminal Post Bottom Ins.
GEA-1005	1	FIELD COIL ASSY.- COMP.
GEA-27	1	Terminal Post
GEA-30	1	Lead Assy.
X-847	1	Terminal
GEA-1007	1	Field Coil - Left
GEA-1008	1	Field Coil - Right
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
5X-1377	1	#10-32 Hex. Nut
GY-20	2	Frame Screw
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	2	#10 Lock Washer
X-199	2	1/4 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
5X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assy. & Parts Used With

(GEA-2002B)	1	Comm. End Plate Assy.
GAR-73	1	Oil Wick
GAR-98A	1	Wick Cover
GBW-69	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GBW-1012A‡	2	Brush - Main
GBW-1068B	1	Comm. End Cap Cover
GEA-1002E	1	C.E. Plate Part Assy.
GBF-79	1	ABSORBENT BRONZE BRG.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
X-195	5	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
8X-888	4	#8-32x5/16 Fill. Hd. Sc.
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GDZ-2006F	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GR-32	1	Felt Washer Retainer
SP-1354	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assy. & Parts Used With

GEA-1031	1	Drive End Head Assy.
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GEA-31	1	Drive End Head
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	BALL BRG. - S.A.E. #203
X-489	1	1/4 Oiler- Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Screw

Miscellaneous Parts

GEA-24A	1	Head Band
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 7-12-39)

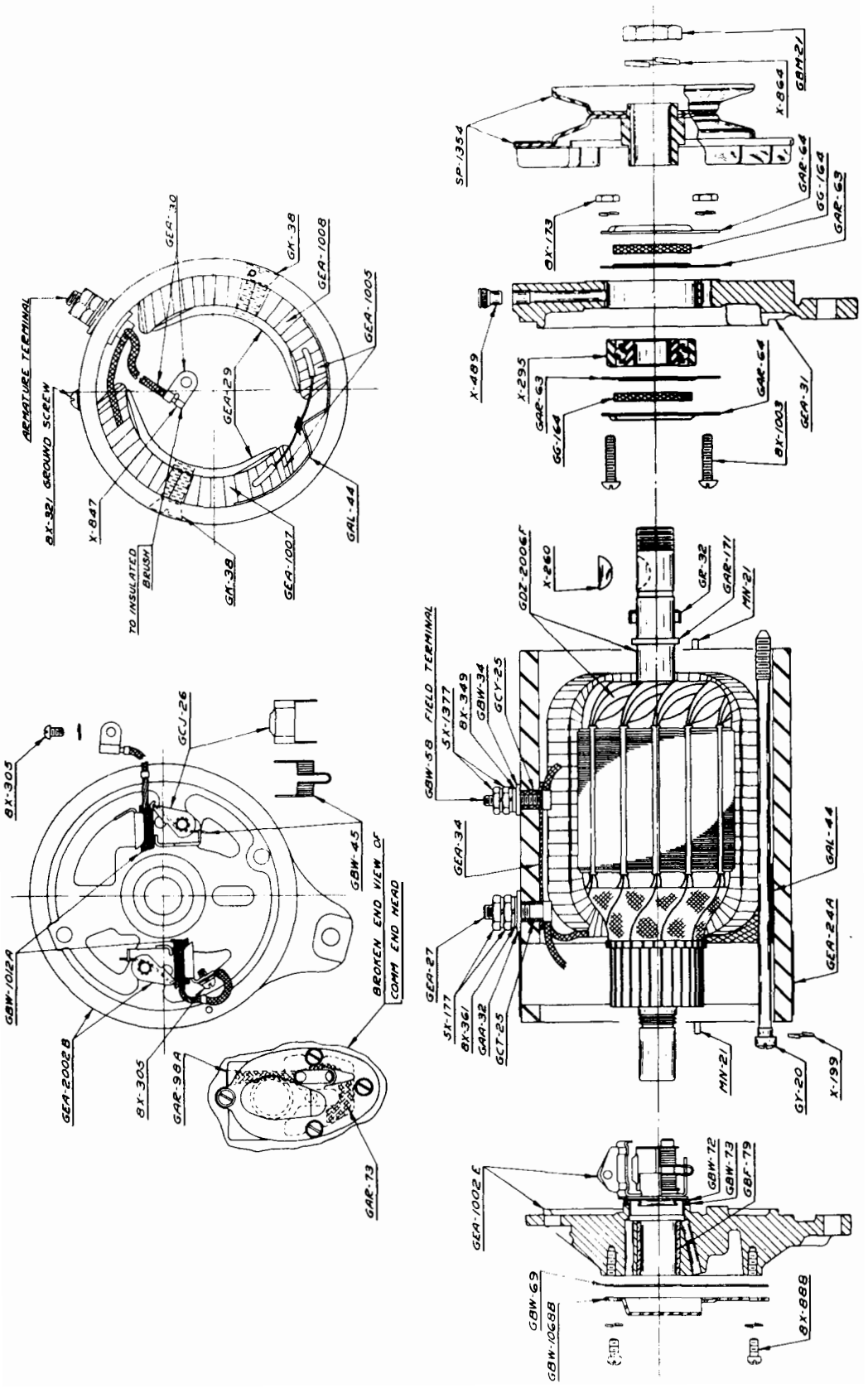
‡ Service BRUSH SET GBW-2012AS.

NOTE:- VRP-4004A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GEA-4804A	Studebaker

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GEA-4804A GENERATOR ILLUSTRATION



Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DK-23	2	Frame Screw
(GEB-2001)	1	Frame & Field Assembly
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-58	1	Terminal Post
GBW-66	1	Terminal Post Bottom Ins.
GBW-67	1	Terminal Post Bottom Ins.
GBY-38A	2	Pole Piece Screw
GDD-25	1	Insulating Bushing
GDD-26	1	Insulating Bushing
GEB-29	2	Pole Piece
GEB-1005	1	FIELD COIL ASSY.- COMP.
GEA-30	1	Lead Assembly
X-847	1	Terminal
GEB-27	1	Terminal Post
GEB-1007	1	Field Coil - Left
GEB-1008	1	Field Coil - Right
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	2	#10 Lock Washer
12X-203	2	5/16 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assy. & Parts Used With

DA-22	1	Bearing Retaining Washer
DA-39	1	Flat Oil Guard
DA-60	1	Bearing Retaining Screw
DH-7	1	Felt Washer
GBJ-25	1	End Cap Cover Gasket
GBJ-32A	1	Comm. End Cap Cover
GCE-2002	1	Comm. End Plate Assembly
GCE-53	2	Brush Spring
GCE-54	2	Brush Arm
GCE-1012‡	2	Brush - Main
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Sc.
X-195	1	#8 Lock Washer
X-199	1	1/4 Lock Washer
X-295	1	BALL BRG. - S.A.E. #203
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
12X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GHM-21	1	Armature Shaft Nut
GEB-2006F	1	ARMATURE ASSEMBLY
*	1	Drive Pulley
X-261	1	#6 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assy. & Parts Used With

GCE-1003	1	Drive End Head Assembly
GAU-31	1	Felt Washer
GCE-3	1	Drive End Head
GG-6	1	Bearing Retainer
GK-176	1	Felt Washer Retainer
GT-76	1	Felt Washer Retainer
GT-78	1	Felt Washer
X-196	3	#10 Lock Washer
X-295	1	BALL BRG. - S.A.E. #203
8X-311	3	#10-32x3/8 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

GCE-24	1	Head Band
8X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 4-2-40)

Assembly No.	Drive Pulley
GEB-4801	None
GEB-4801A	SP-232
GEB-4801B	SP-259

‡ Service BRUSH SET GCE-2012S.

* See table following parts list for part number applying to assembly wanted.

NOTE:- VRP-4001B CURRENT-VOLTAGE REGULATOR is used with but is not part of this generator.

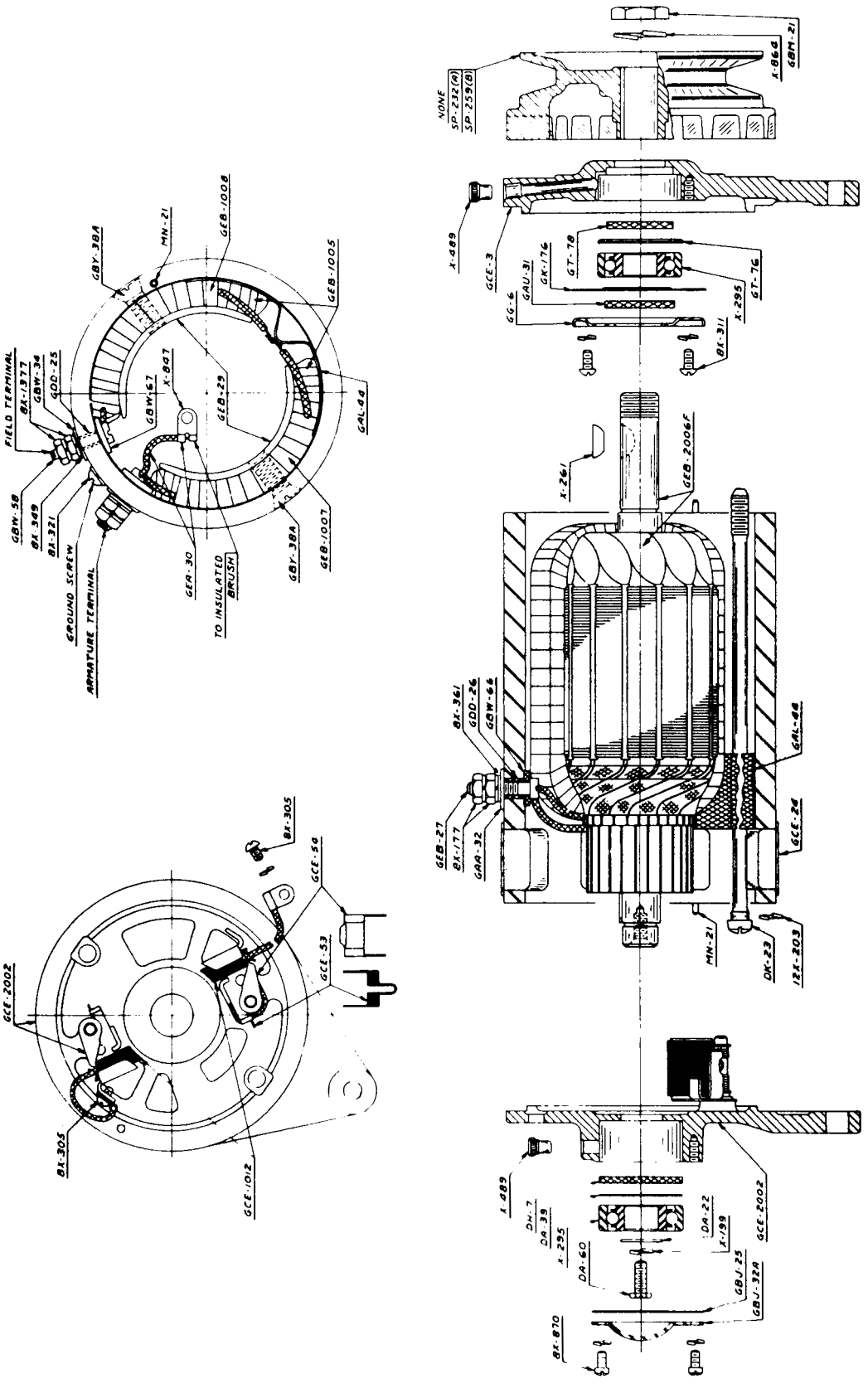
UNIT	APPLICATION
GEB-4801	
GEB-4801A	Chrysler, De Soto, Dodge, Plymouth
GEB-4801B	Dodge Truck, Fargo

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GEB-4801,A,B GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DK-23	2	Frame Screw
(GEB-2001)	1	Frame & Field Assembly
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-66	1	Terminal Post Bottom Ins.
GBW-67	1	Terminal Post Bottom Ins.
GBY-38A	2	Pole Piece Screw
GC-26	1	Insulating Washer
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
GEB-29	2	Pole Piece
GEB-1005	1	FIELD COIL ASSY.- Comp.
GEA-30	1	Lead Assembly
X-847	1	Terminal
GEB-27	1	Terminal Post
GEB-58	1	Terminal Post
GEB-1007	1	Field Coil - Left
GEB-1008	1	Field Coil - Right
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	2	#10 Lock Washer
12X-203	2	5/16 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

DA-22	1	Bearing Retaining Washer
DA-39	1	Flat Oil Guard
DA-60	1	Bearing Retaining Screw
DH-7	1	Felt Washer
GBJ-25	1	End Cap Cover Gasket
GBJ-32A	1	Comm. End Cap Cover
GCE-2002	1	Comm. End Plate Assembly
GCE-53	2	Brush Spring
GCE-54	2	Brush Arm
GCE-1012‡	2	Brush - Main
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Sc.
X-195	1	#8 Lock Washer
X-199	1	1/4 Lock Washer
X-295	1	BALL BEARING - S.A.E. #203
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
12X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Sc.
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GEB-2006F	1	ARMATURE ASSEMBLY
*	1	Drive Pulley
X-261	1	#6 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GCE-1003	1	Drive End Head Assembly
GAU-31	1	Felt Washer
GCE-3	1	Drive End Head
GG-6	1	Bearing Retainer
GK-176	1	Felt Washer Retainer
GT-76	1	Felt Washer Retainer
GT-78	1	Felt Washer
X-196	3	#10 Lock Washer
X-295	1	BALL BRG.- S.A.E. #203
8X-311	3	#10-32x3/8 Rd. Hd. Sc.
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

GCE-24	1	Head Band
8X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 9-30-41)

Assembly No.	Drive Pulley	Regulator
GEB-4802	None	VRP-4004C
GEB-4802A	SP-287	VRP-4008C
GEB-4802B	SP-393	VRP-4008D
GEB-4802C	SP-408	VRP-4002D

‡ SERVICE BRUSH SET GCE-2012S.

* See table following parts list for part number applying to assembly wanted.

NOTE:- * CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GEB-4802	Service Generator
GEB-4802A	Hudson
GEB-4802B	Hudson
GEB-4802C	Packard

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

PRELIMINARY

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DK-23A	2	Frame Screw
(GEB-2001A)	1	Frame & Field Assembly
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-66	1	Terminal Post Bottom Ins.
GBW-67	1	Terminal Post Bottom Ins.
GBY-38	2	Pole Piece Screw
GC-26	1	Insulating Washer
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
GEB-29	2	Pole Piece
GEB-1005	1	FIELD COIL ASSY.- Comp.
GEA-30	1	Lead Assembly
X-847	1	Terminal
GEB-27	1	Terminal Post
GEB-58	1	Terminal Post
GEB-1007	1	Field Coil - Left
GEB-1008	1	Field Coil - Right
MN-21	2	Dowel Pin
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 plain Washer
5X-1377	1	#10-32 Hex. Nut
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	2	#10 Lock Washer
X-203	2	5/16 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
5X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

DA-22	1	Bearing Retaining Washer
DA-39	1	Flat Oil Guard
DA-60	1	Bearing Retaining Screw
DH-7	1	Felt Washer
GBJ-25	1	End Cap Cover Gasket
GBJ-32	1	Comm. End Cap Cover
GCE-2002C	1	Comm. End Plate Assembly
GCE-53	2	Brush Spring
GCE-54	2	Brush Arm
GCE-1012†	2	Brush - Main
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-195	1	#8 Lock Washer
X-199	1	1/4 Lock Washer
X-295	1	BALL BEARING - S.A.E. #203
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GEB-2006F	1	ARMATURE ASSEMBLY
*	1	Drive Pulley
X-261	1	#6 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GCE-1003F	1	Drive End Head Assembly
GAU-31	1	Felt Washer
GCE-3F	1	Drive End Head
GG-6	1	Bearing Retainer
GK-176	1	Felt Washer Retainer
GT-76	1	Felt Washer Retainer
GT-78	1	Felt Washer
X-196	3	#10 Lock Washer
X-295	1	BALL BRG.- S.A.E. #203
8X-311	3	#10-32x3/8 Rd. Hd. Sc.
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

GCE-24C	1	Head Band
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 4-22-41)

Assembly No.	Drive Pulley
GEB-4803A	SP-376
GEB-4803B	SP-287A

NOTE:- VRP-4004C CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

* See table following parts list for part number applying to assembly wanted.

† SERVICE BRUSH SET GCE-2012S.

UNIT	APPLICATION
GEB-4803A	Studebaker
GEB-4803B	Auburn

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DK-23A	2	Frame Screw
GCB-33S	1	Mounting Bracket
(GEB-2030)	1	Frame & Field Assembly
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-58	1	Terminal Post
GBW-66	1	Terminal Post Bottom Ins.
GBW-67	1	Terminal Post Bottom Ins.
GBY-38	2	Pole Piece Screw
GDD-25	1	Insulating Bushing
GDD-26	1	Insulating Bushing
GEB-29	2	Pole Piece
GEB-1005	1	FIELD COIL ASSY.- COMP.
GEA-30	1	Lead Assembly
X-847	1	Terminal
GEB-27	1	Terminal Post
GEB-1007	1	Field Coil - Left
GEB-1008	1	Field Coil - Right
MH-21	2	Dowel Pin
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
5X-177	1	#10-32 Hex. Nut
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	2	#10 Lock Washer
X-201	4	3/8 Lock Washer
X-203	2	5/16 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
8X-465	4	3/8-24x3/4 Hex. Hd. Screw
5X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assy. & Parts Used With

DA-22	1	Bearing Retaining Washer
DA-39	1	Flat Oil Guard
DA-60	1	Bearing Retaining Screw
DH-7	1	Felt Washer
GBJ-25	1	End Cap Cover Gasket
GBJ-32	1	Comm. End Cap Cover
GCE-2047A	1	Comm. End Plate Assembly
GCE-53	2	Brush Spring
GCE-54	2	Brush Arm
GCE-10121	2	Brush - Main
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Sc.
X-195	1	#8 Lock Washer
X-199	1	1/4 Lock Washer
X-295	1	BALL BEARING - S.A.E. #203
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GEB-2006F	1	ARMATURE ASSEMBLY
SP-218	1	Drive Pulley
X-261	1	#6 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assy. & Parts Used With

GCE-2048	1	Drive End Head Assembly
GAU-31	1	Felt Washer
GCE-48	1	Drive End Head
GG-6	1	Bearing Retainer
GK-176	1	Felt Washer Retainer
GT-76	1	Felt Washer Retainer
GT-78	1	Felt Washer
X-196	3	#10 Lock Washer
X-295	1	BALL BRG. - S.A.E. #203
8X-311	3	#10-32x3/8 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

GCE-24C	1	Head Band
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 4-2-40)

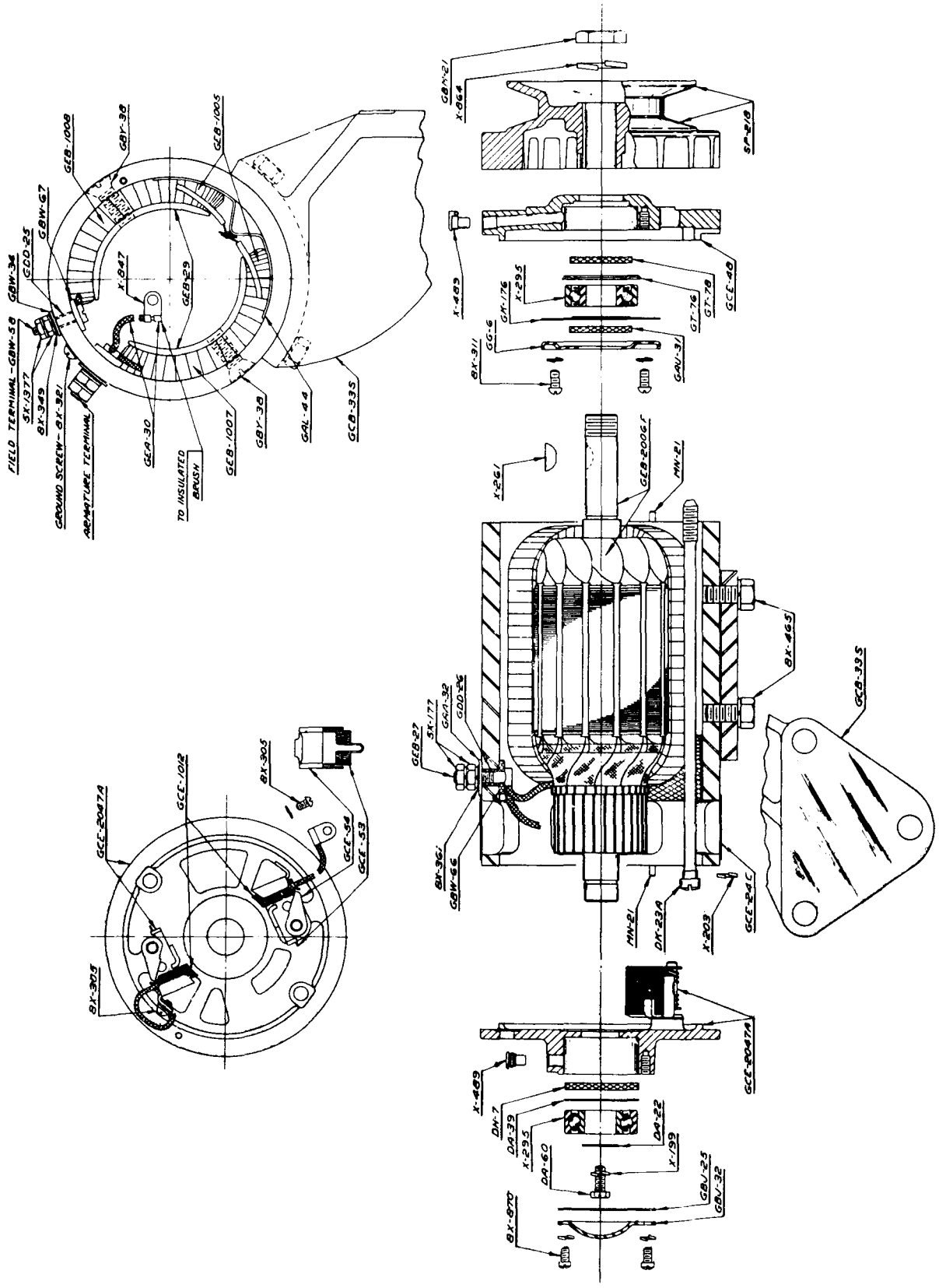
NOTE:- VRP-4006E CURRENT-VOLTAGE REGULATOR is used with but is not part of this generator.

‡ Service BRUSH SET GCE-2012S.

UNIT	APPLICATION
GEB-4804A	Diamond T

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GEB-4804A GENERATOR ILLUSTRATION



Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DK-23A	2	Frame Screw
(GEB-2001A)	1	Frame & Field Assembly
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-58	1	Terminal Post
GBW-66	1	Terminal Post Bottom Ins.
GBW-67	1	Terminal Post Bottom Ins.
GBY-38	2	Pole Piece Screw
GDD-25	1	Insulating Bushing
GDD-26	1	Insulating Bushing
GEB-29	2	Pole Piece
GEB-1005	1	FIELD COIL ASSY.- COMP.
GEA-30	1	Lead Assembly
X-847	1	Terminal
GEB-27	1	Terminal Post
GEB-1007	1	Field Coil - Left
GEB-1008	1	Field Coil - Right
MN-21	2	Dowel Pin
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
5X-1377	1	#10-32 Hex. Nut
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	2	#10 Lock Washer
X-203	2	5/16 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
5X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assy. & Parts Used With

DA-22	1	Bearing Retaining Washer
DA-39	1	Flat Oil Guard
DA-60	1	Bearing Retaining Screw
DH-7	1	Felt Washer
GBJ-25	1	End Cap Cover Gasket
GBJ-32	1	Comm. End Cap Cover
GCE-2002F	1	Comm. End Plate Assembly
GCE-53	2	Brush Spring
GCE-54	2	Brush Arm
GCE-1012‡	2	Brush - Main
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-195	1	#8 Lock Washer
X-199	1	1/4 Lock Washer
X-295	1	BALL BEARING - S.A.E. #203
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GEB-2006F	1	ARMATURE ASSEMBLY
SP-218	1	Drive Pulley
X-261	1	#6 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assy. & Parts Used With

GCE-1092	1	Drive End Head Assembly
GAU-31	1	Felt Washer
GCE-92	1	Drive End Head
GG-6	1	Bearing Retainer
GK-176	1	Felt Washer Retainer
GT-76	1	Felt Washer Retainer
GT-78	1	Felt Washer
X-196	3	#10 Lock Washer
X-295	1	BALL BRG. - S.A.E. #203
8X-311	3	#10-32x3/8 Rd. Hd. Sc.
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

GCE-24C	1	Head Band
GCE-94	1	Mounting Bracket
X-402	2	1/16x3/4 Cotter Pin
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
X-863B	2	5/16-24x1 1/4 Hex. Hd. Sc.
X-1014	2	5/16 Lock Washer
8X-1061	2	5/16-24 Castellated Nut
		1 2 3 4 5

(Issued 4-3-40)

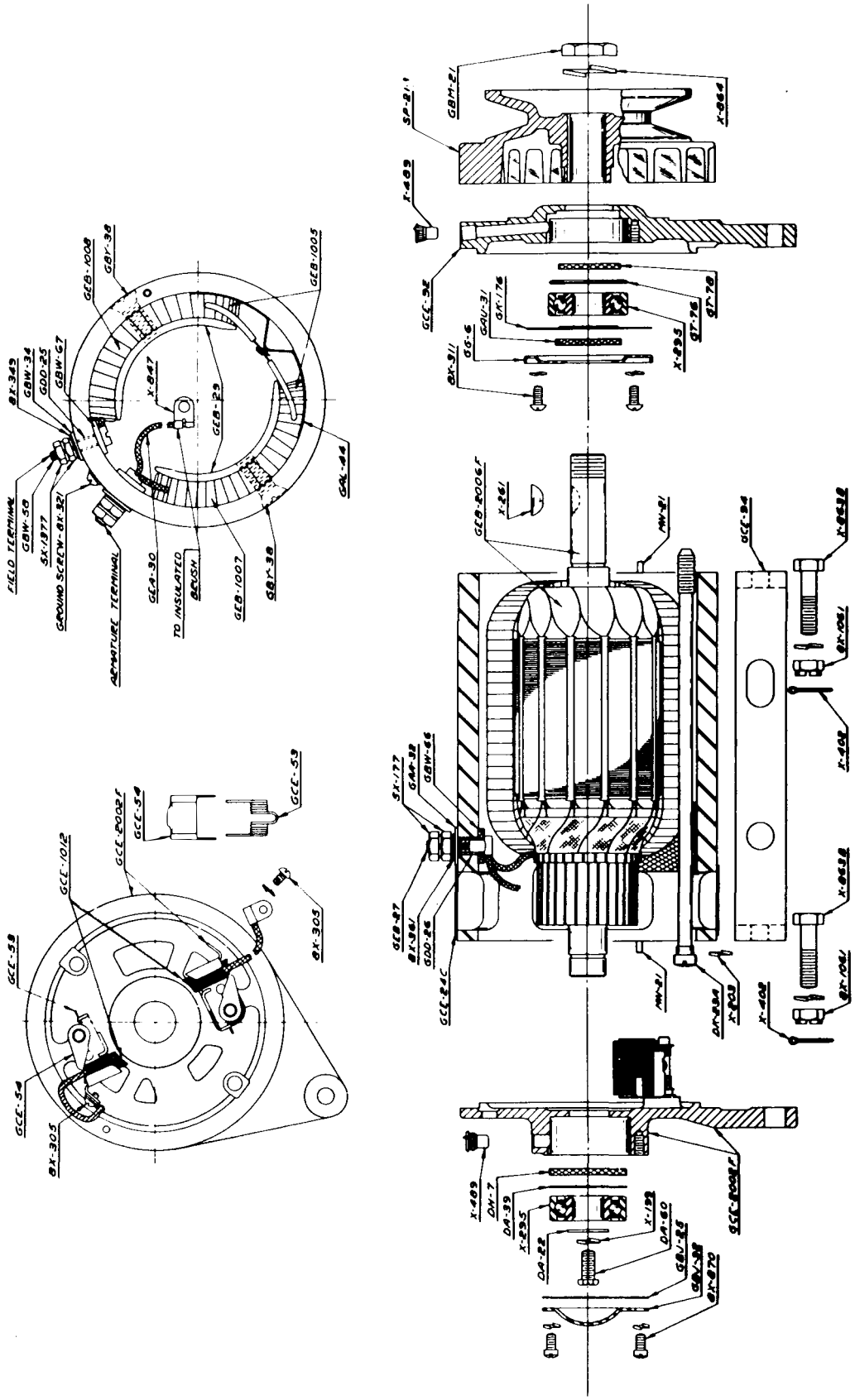
NOTE:- VRP-4006E CURRENT-VOLTAGE REGULATOR is used with but is not part of this generator.

‡ Service BRUSH SET GCE-2012S.

UNIT	APPLICATION
GEB-4805A	Diamond T

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GEB-4805A GENERATOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GEB-4806,A,B,C, D,E,F,G,H GENERATOR PARTS LIST GEB-4806,A,B,C D,E,F,G,H

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DK-23A	2	Bolt, Thru
(GEB-2001A)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term. Outer
GAL-44	1	Insulation, Field Connection
GBW-34	1	Washer, Ins., Field Term. Outer
GBW-66	1	Insulation, Arm. Term., Inner
GBW-67	1	Insulation, Field Term.,Inner
GBY-38	2	Screw, Pole Shoe
GC-26	1	Washer, Ins., Arm. Term., Outer
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Field Term.
GEB-1005	1	COIL ASSY., FIELD, COMP.
GEA-30	1	Lead Assy.
X-847	1	Terminal
GEB-27	1	Stud, Arm. Term.,#14-24
GEB-58	1	Stud, Field Term.,#10-32
GEB-1007A	1	Coil, Field, Left
GEB-1008A	1	Coil, Field, Right
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term., Hex., #14-24
X-193	2	Lockwasher, Arm. Term.
X-196	2	Lockwasher, Field Term., #10
8X-349	1	Washer, Plain, Field Term., #10
8X-361	1	Washer, Plain, Arm. Term., 1/4
8X-1377	2	Nut, Field Term., Hex., #10-32
X-196	1	Lockwasher, Ground Sc., #10
8X-321	1	Screw, Rd. Hd., #10-32x5/16
12X-1014	2	Lockwasher, Thru Bolt, 5/16

Comm. End Head Assembly & Parts Used With

DA-22	1	Washer, Bearing Retaining
DA-39	1	Washer, Plain, Felt Retaining
DA-60	1	Screw, Bearing Retaining
DH-7	1	Washer, Felt, C.E. Inner
GBJ-25	1	Gasket, C.E. Cover
GBJ-32A	1	Cover, Comm. End
*	1	Wick, Felt
GCE-2002F	1	Head Assy., Comm. End
GCE-53	2	Spring, Brush
GCE-54	2	Arm, Brush
GCE-1012†	2	Brush
X-195	2	Lockwasher, Br. Lead Sc., #8
X-196	3	Lockwasher, Cover Screw, #10
X-199	1	Lockwasher, Brg. Retaining Screw, 1/4
X-295	1	BEARING, BALL, S.A.E. #203
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
	1	1 2 3 4 5

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
X-489	1	Oiler, Hinge Top, Press in, 1/4
8X-870	3	Screw, Cover, Fil. Hd. #10-32x 5/16

Armature Assembly & Parts Used With

GBM-21	1	Nut, Shaft, Hex., .669-20
GEB-2006F	1	ARMATURE
*	1	Pulley, Drive
X-261	1	Key, Woodruff, #6
X-864	1	Washer, Lock, .669

Drive End Head Assembly & Parts Used With

*	1	Head Assy., Drive End
GAU-31	1	Washer, Felt, Inner
*	1	Head
GG-6	1	Retainer, Bearing
GK-176	1	Retainer, Felt, Inner
GT-76	1	Retainer, Felt, Outer
GT-78	1	Washer, Felt, Outer
*	1	Wick, Felt
X-196	3	Washer, Lock, #10
X-295	1	BEARING, BALL, S.A.E. #203
8X-311	3	Screw, Rd. Hd., #10-32x3/8
X-489	1	Oiler, Press in Type, 1/4

Miscellaneous Parts

GCE-24C	1	Band, Cover
X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32
		1 2 3 4 5

† BRUSH SET, Service GCE-2012S.

* See table following parts list for part number applying to assembly wanted.

NOTE:- * CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

(See Reverse Side)

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Assembly No.	Wick	Pulley	Dr. End Head Assy.	Head	Wick, Felt	Regulator
GEB-4806	None	None	GCE-1003	GCE-3	None	VRP-4006E
GEB-4806A	GBY-30	SP-386	GCE-1003G	GCE-3E	GT-124	VRP-4004C
GEB-4806B	None	SP-218	GCE-1003	GCE-3	None	VRP-4006E
GEB-4806C	None	SP-424	GCE-1003	GCE-3	None	VRP-4006E
GEB-4806D	None	SP-427	GCE-1003	GCE-3	None	VRP-4004C
GEB-4806E	None	SP-446	GCE-1003	GCE-3	None	VRP-4006E
GEB-4806F	None	SP-579	GCE-1003	GCE-3	None	VRP-4006E
GEB-4806G	GBY-30	SP-611	GCE-1003G	GCE-3E	GT-124	VRP-4006E
GEB-4806H	None	SP-758	GCE-1003	GCE-3	None	VRP-4006E

Unit	Application
GEB-4806	Continental
GEB-4806A	Continental, White
GEB-4806B	Brockway
GEB-4806C	Brockway, Continental
GEB-4806D	Studebaker Truck
GEB-4806E	Brockway
GEB-4806F	White
GEB-4806G	Continental, Koehring
GEB-4806H	Brockway

(Issued 2-19-47)

GEB-4807 GENERATOR PARTS LIST GEB-4807

Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DK-23A	2	Frame Screw
(GEB-2031)	1	Frame & Field Assembly
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-58	1	Terminal Post
GBW-66	1	Terminal Post Bottom Ins.
GBW-67	1	Terminal Post Bottom Ins.
GBY-38	2	Pole Piece Screw
GDD-25	1	Insulating Bushing
GDD-26	1	Insulating Bushing
GEB-29	2	Pole Piece
GEB-1005	1	FIELD COIL ASSY.- COMP.
GEA-30	1	Lead Assembly
X-847	1	Terminal
GEB-27	1	Terminal Post
GEB-1007	1	Field Coil - Left
GEB-1008	1	Field Coil - Right
MN-21	2	Dowel Pin
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
5X-1377	1	#10-32 Hex. Nut
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	2	#10 Lock Washer
X-203	2	5/16 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
5X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assy. & Parts Used With

DA-39	2	Flat Oil Guard
DA-132	1	Felt Washer
DH-7	1	Felt Washer
GAR-83	1	Comm. End Cap Cover
GBJ-25	1	End Cap Cover Gasket
GCE-55	1	Air Deflector
GCE-2050	1	Comm. End Plate Assembly
GCE-53	2	Brush Spring
GCE-54	2	Brush Arm
GCE-1012‡	2	Brush - Main
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
8X-62	6	#10-32x3/8 Flat Hd. Screw
X-195	1	#8 Lock Washer
X-295	1	BALL BEARING - S.A.E. #203
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAR-1177	1	Oil Thrower Assembly
GBM-21	1	Armature Shaft Nut
GEB-2090F	1	ARMATURE ASSEMBLY
GK-174	1	1/2 Plain Washer
SP-230	1	Ventilating Fan
X-156	1	1/2-20 Castellated Nut
X-258	1	#3 Woodruff Key
X-263	1	#8 Woodruff Key
X-404	1	3/32x1 Cotter Pin
X-864	1	.669 Lock Washer

Drive End Head Assy. & Parts Used With

GCE-1091	1	Drive End Head Assembly
GAR-95	1	Felt Washer
GCE-91	1	Drive End Head
GX-9	1	D.E. Packing Retainer
GX-10	1	Gasket
X-196	3	#10 Lock Washer
8X-311	3	#10-32x3/8 Rd. Hd. Screw
X-378	1	BALL BRG.-S.A.E. #204
		Oil Seal

Miscellaneous Parts

GCE-24C	1	Head Band
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 4-3-40)

NOTE:- VRP-4006E CURRENT-VOLTAGE REGULATOR is used with but is not part of this generator.

‡ Service BRUSH SET GCE-2012S.

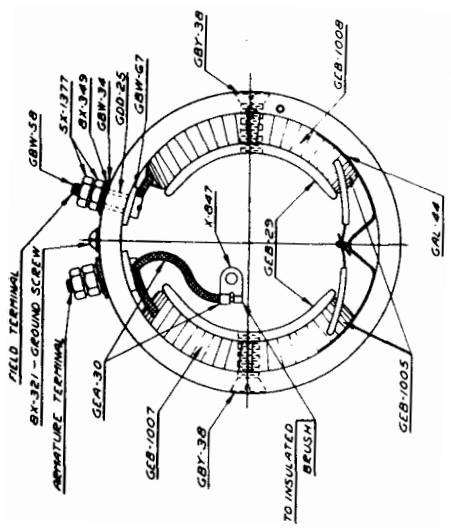
UNIT	APPLICATION
GEB-4807	Diamond T

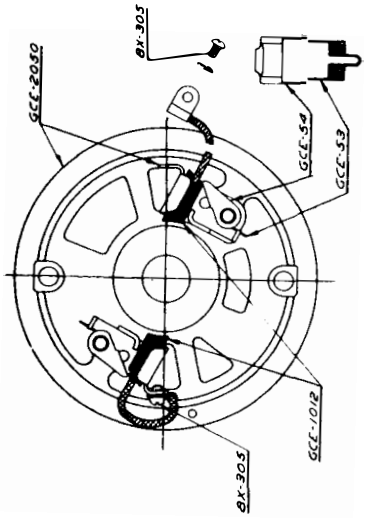
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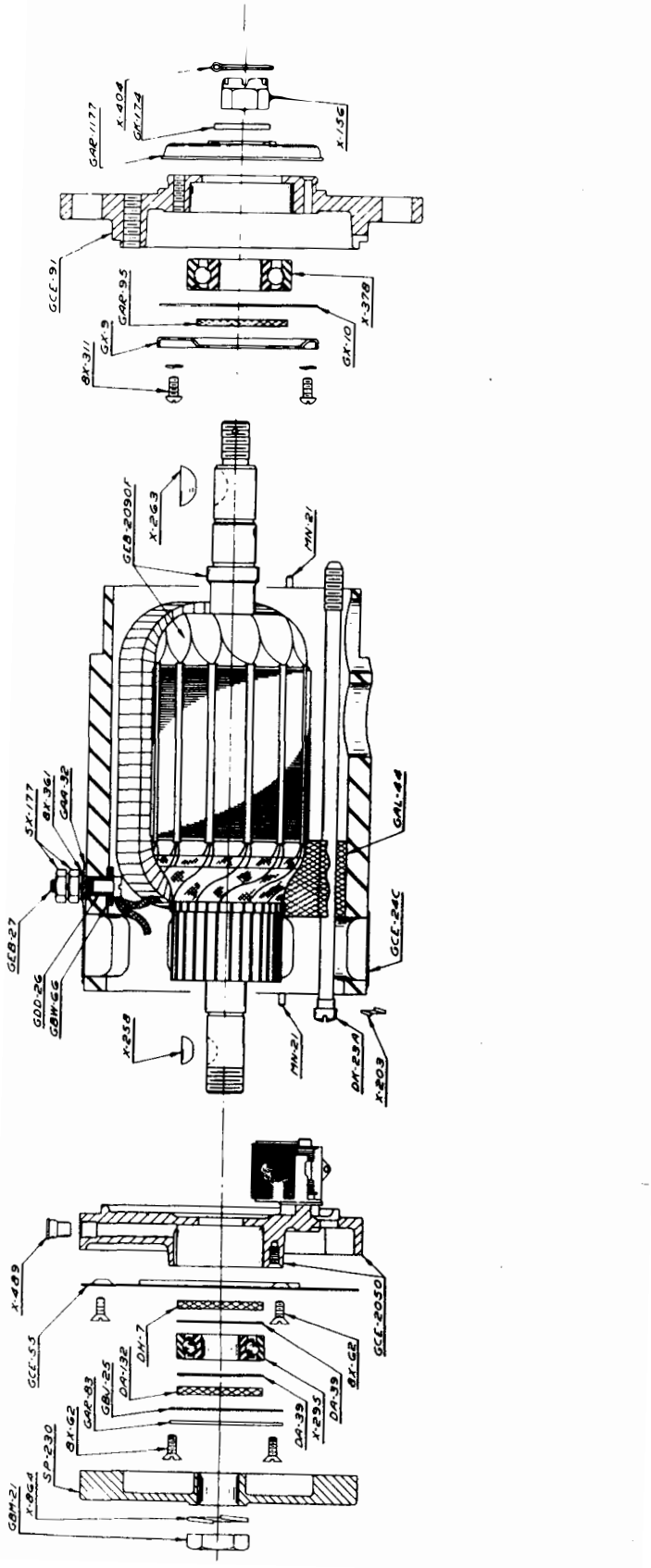
File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the comp ete part can be assembled as needed."

GEB-4807 GENERATOR ILLUSTRATION







ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DK-23A	2	Frame Screw
(GEB-2025)	1	Frame & Field Assy.
GAA-32	1	Term. Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-66	1	Term. Post Bottom Ins.
GBW-67	1	Term. Post Bottom Ins.
GBY-38	2	Pole Piece Screw
GC-26	1	Insulating Washer
GDD-25	1	Insulating Bushing
GDD-26	1	Insulating Bushing
GEB-29	2	Pole Piece
GEB-1005	1	FIELD COIL ASSY.-Comp.
GEA-30	1	Lead Assembly
X-847	1	Terminal
GEB-27	1	Terminal Post
GEB-58	1	Terminal Post
GEB-1007	1	Field Coil - Left
GEB-1008	1	Field Coil - Right
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	2	#10 Lock Washer
X-203	2	5/16 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Sc.
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

DA-39	2	Flat Oil Guard
DA-132	1	Felt Washer
DH-7	1	Felt Washer
GAR-83	1	Comm. End Cap Cover
GBJ-25	1	End Cap Cover Gasket
GCE-55	1	Air Deflector
GCE-2050	1	Comm. End Plate Assy.
GCE-53	2	Brush Spring
GCE-54	2	Brush Arm
GCE-1012†	2	Brush - Main
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Sc.
8X-62	6	#10-32x3/8 Flat Hd. Sc.
X-195	1	#8 Lock Washer
X-295	1	BALL BRG. - S.A.E. #203
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler-Press in Type
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DG-73	1	Armature Shaft Sleeve
DG-75	1	Bearing Spacer
GBM-21	1	Armature Shaft Nut
GEB-2063F	1	ARMATURE ASSEMBLY
SP-230	1	Ventilating Fan
X-258	1	#3 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GCE-1064	1	Drive End Head Assy.
DG-72	2	Felt Guard-With Oil Well
DG-74	2	Bearing Retainer
G-118	2	Felt Washer
GCE-64	1	Drive End Head
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-300	1	BALL BRG. - S.A.E. #205
8X-306	3	#10-32x1 Rd. Hd. Screw
X-489	1	1/4 Oiler-Press in Type

Miscellaneous Parts

GCE-24C	1	Head Band
X-715	1	#10-32x1 1/4 Rd. Hd. Sc.
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 2-28-41)

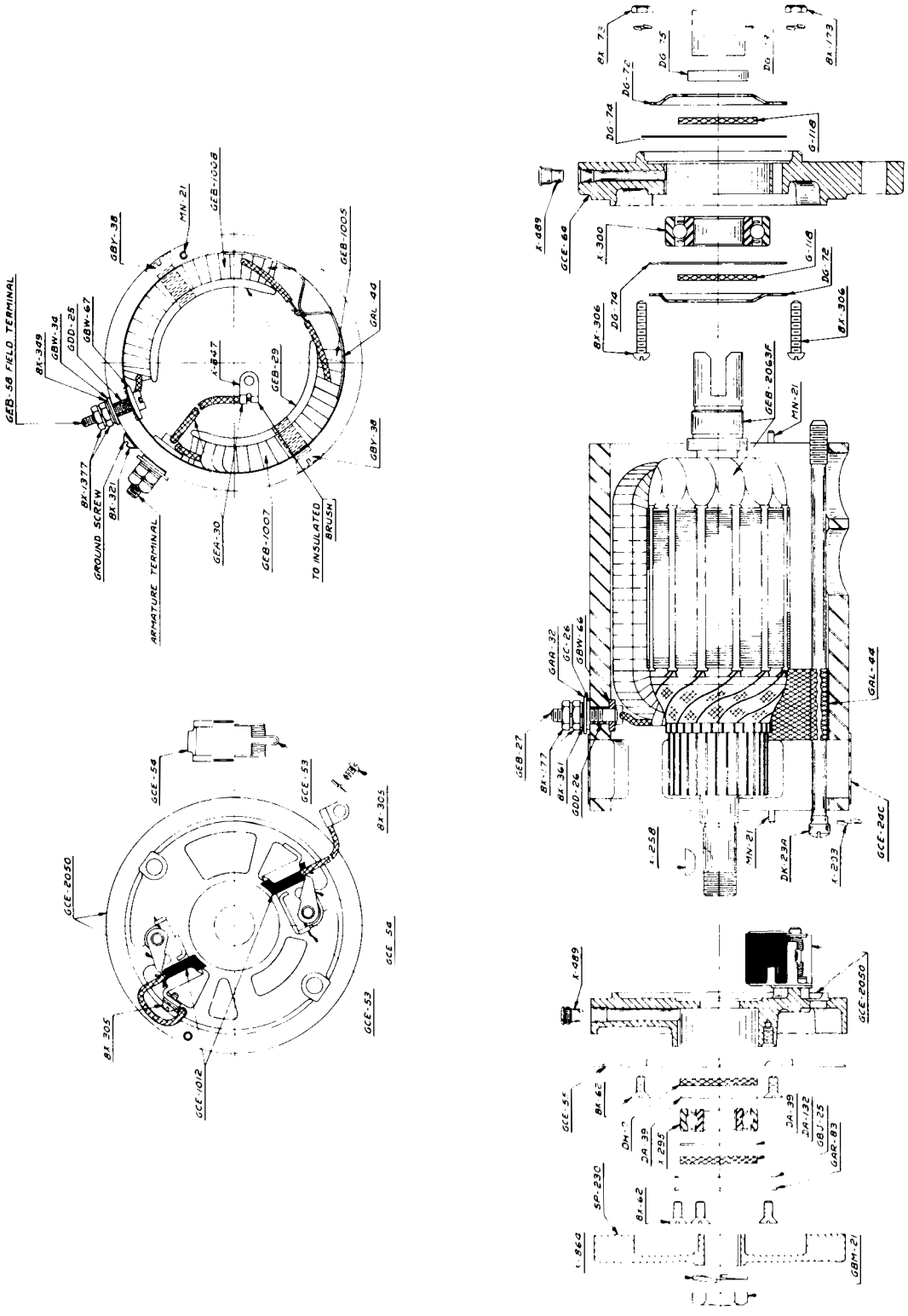
† Service BRUSH SET GCE-2012S.

NOTE:- VRP-4006E CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GEB-4809	Brockway

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GEB-4809 GENERATOR ILLUSTRATION



Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBD-20A	2	Frame Screw
(GEB-2025)	1	Frame & Field Assembly
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-58	1	Terminal Post
GBW-66	1	Terminal Post Bottom Ins.
GBW-67	1	Terminal Post Bottom Ins.
GBY-38	2	Pole Piece Screw
GDD-25	1	Insulating Bushing
GDD-26	1	Insulating Bushing
GEB-29	2	Pole Piece
GEB-1005	1	FIELD COIL ASSY.- COMP.
GEA-30	1	Lead Assembly
X-847	1	Terminal
GEB-27	1	Terminal Post
GEB-1007	1	Field Coil - Left
GEB-1008	1	Field Coil - Right
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	2	#10 Lock Washer
X-203	2	5/16 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assy. & Parts Used With

DA-39	2	Flat Oil Guard
DA-132	1	Felt Washer
DH-7	1	Felt Washer
GAR-83	1	Comm. End Cap Cover
GBJ-25	1	End Cap Cover Gasket
GCE-55	1	Air Deflector
GCE-2050	1	Comm. End Plate Assembly
GCE-53	2	Brush Spring
GCE-54	2	Brush Arm
GCE-1012‡	2	Brush - Main
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
8X-62	6	#10-32x3/8 Flat Hd. Screw
X-195	1	#8 Lock Washer
X-295	1	BALL BEARING - S.A.E. #203
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DG-1144	1	Oil Thrower
GBM-21	1	Armature Shaft Nut
GEB-2054F	1	ARMATURE ASSEMBLY
SP-230	1	Ventilating Fan
X-157	1	1/2-20 Slotted Nut
X-258	1	#3 Woodruff Key
X-263	1	#8 Woodruff Key
X-358	1	1/2 Plain Steel Washer
X-404	1	3/32x1 Cotter Pin
X-864	1	.669 Lock Washer

Drive End Head Assy. & Parts Used With

GCE-1057	1	Drive End Head Assembly
GAE-47	1	Bearing Retainer
GCE-57	1	Drive End Head
8X-66	3	#10-32x1/2 Flat Hd. Sc.
X-298	1	BALL BRG. - S.A.E. #204
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

GCE-24C	1	Head Band
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 4-3-40)

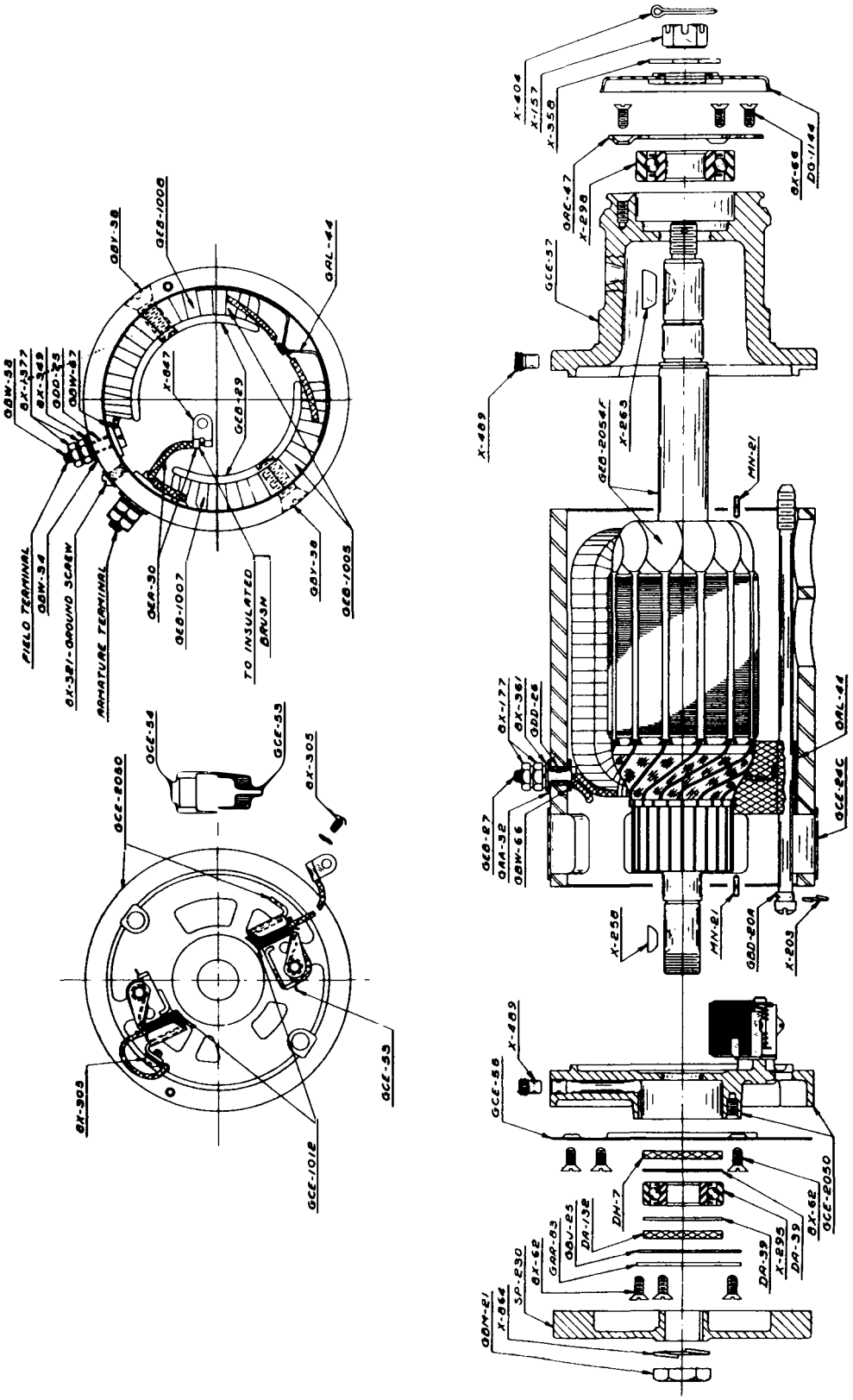
NOTE:- VRP-4006E - 4 hole mounting or
VRP-4004C - 3 hole mounting -
CURRENT-VOLTAGE REGULATOR is used
with but is not part of this generator.

‡ Service BRUSH SET GCE-2012S.

UNIT	APPLICATION
GEB-4810	Diamond T

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GEB-4810 GENERATOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GEB-4812 GENERATOR PARTS LIST GEB-4812

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
DK-23	2	Bolt, Thru
(GEB-2048)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term., Outer
GAL-44	1	Insulation, Field Connection
GBW-34	1	Washer, Ins., Field Term., Outer
GBW-66	1	Insulation, Arm. Term., Inner
GBW-67	1	Insulation, Field Term., Inner
GBY-38A	2	Screw, Pole Shoe
GC-26	1	Washer, Ins., Arm. Term., Outer
GCE-60S	1	Bracket, Gen. Mtg.
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Field Term.
GEB-1005	1	COIL ASSY., FIELD, COMPLETE
GEB-27	1	Stud, Arm. Term., #14-24
GEB-58	1	Stud, Field Term., #10-32
GEB-90	1	Lead Assy.
X-847	1	Terminal
GEB-1007A	1	Coil, Field, Left
GEB-1008A	1	Coil, Field, Right
MN-21	2	Pin, Dowel
8X-113	2	Screw, Bracket, Hex. Hd. 5/16-24x5/8
5X-177	2	Nut, Arm. Term., Hex. #14-24
X-193	2	Lockwasher, Arm. Term., #14
X-196	2	Lockwasher, Field Term.,#10
8X-349	1	Washer, Plain, Field Term., #10
8X-361	1	Washer, Plain, Arm. Term., 1/4
X-1014	2	Lockwasher, Bracket Sc., 5/16
5X-1377	2	Nut, Field Term., Hex. #10-32
X-196	1	Lockwasher, Ground Sc., #10
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16
X-1014	2	Lockwasher, Thru Bolt, 5/16

Comm. End Head Assembly & Parts Used With

DA-39	2	Washer, Plain, Felt Retaining
DA-132	1	Washer, Felt, C.E., Outer
DH-7	1	Washer, Felt, C.E., Inner
GAR-83A	1	Cover, Comm. End
GBJ-25	1	Gasket, C.E. Cover

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
GCE-2050	1	Head Assy., Comm. End
GCE-53	2	Spring, Brush
GCE-54	2	Arm, Brush
GCE-1012*	2	Brush
X-195	2	Lockwasher, Brush Lead Sc., #8
X-295	1	BEARING, BALL, S.A.E. #203
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler
8X-726	3	Screw, C.E. Cover, Bdg. Hd. #10-32x7/16
X-1270	3	Washer, Cover, Sc., Skpf. #10

Armature Assembly & Parts Used With

DA-70	1	Nut, Arm. Shaft, D.E., Inner
GBM-21B	1	Nut, Arm. Shaft, C.E.
GEB-2062F	1	ARMATURE
SP-230A	1	Fan, Ventilating
X-160	1	Nut, Arm. Shaft, D.E.
X-205	1	Lockwasher, Shaft, D.E.
X-258	1	Key, Woodruff, #3, C.E.
X-261	1	Key, Woodruff, #6, D.E.
X-864	1	Lockwasher, Arm. Shaft, C.E.

Drive End Head Assembly & Parts Used With

GCE-2048	1	Head Assy., Drive End
GAU-31	1	Washer, Felt, Inner
GCE-48	1	Head, Drive End
GG-6	1	Retainer, Bearing
GK-176	1	Retainer, Felt, Inner
GT-76	1	Retainer, Felt, Outer
GT-78	1	Washer, Felt, Outer
X-196	3	Lockwasher, Retainer Sc., #10
X-295	1	BEARING, BALL, S.A.E. #203
8X-311	3	Screw, Brg. Retainer, Rd. Hd. #10-32x3/8
X-489	1	Oiler

Miscellaneous Parts

GCE-24	1	Band, Cover
X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

* BRUSH SET, SERVICE, GCE-2012S.

NOTE: - VRP-4006E CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GEB-4812	Brockway, Buda,
	Continental

(Issued 6-27-49)

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GEB-4813 GENERATOR PARTS LIST GEB-4813

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DK-23	2	Bolt, Thru
(GEB-2025)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term., Outer
GAL-44	1	Insulation, Field Connection
GBW-34	1	Washer, Ins., Field Term. Outer
GBW-66	1	Insulation, Arm. Term., Inner
GBW-67	1	Insulation, Field Term., Inner
GBY-38A	2	Screw, Pole Shoe
GC-26	1	Washer, Ins., Arm. Term., Outer
GCT-25	1	Bushing, Ins., Arm. Term., Inner
GCY-25	1	Bushing, Ins., Field Term., Inner
GEB-1005	1	COIL ASSY., FIELD, COMP.
GEA-30	1	Lead Assy.
X-847	1	Terminal
GEB-27	1	Stud, Arm. Term., #14-24
GEB-58	1	Stud, Field Term., #10-32
GEB-1007A	1	Coil, Field, Left
GEB-1008A	1	Coil, Field, Right
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term., Hex., #14-24
X-193	2	Lockwasher, Arm. Term.#14
X-196	2	Lockwasher, Field Term., #10
8X-349	1	Washer, Plain, Field Term., #10
8X-361	1	Washer, Plain, Arm. Term., 1/4
8X-1377	2	Nut, Field Term., Hex., #10-32
X-196	1	Lockwasher, Ground Screw, #10
8X-321	1	Screw, Ground, Rd. Hd. #10-32x 5/16
X-1014	2	Lockwasher, Thru Bolt, 5/16

Comm. End Head Assembly & Parts Used With

DA-39	2	Washer, Plain
DA-132	1	Washer, Felt
DH-7	1	Washer, Felt, C.E. Inner
GAR-83A	1	Cover, Comm. End
GBJ-25	1	Gasket, C.E. Cover
GCE-55A	1	Deflector, Air
GCE-2050	1	Head Assy., Comm. End
GCE-53	2	Spring, Brush
GCE-54	2	Arm, Brush
GCE-1012†	2	Brush
X-195	1	Lockwasher, #8
8X-305	1	Screw, Rd. Hd., #8-32x1/4
8X-66	3	Screw, Air Deflector, Flat Hd. #10-32x1/2
		1 2 3 4 5

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
X-195	2	Lockwasher, Brush Lead Sc., #8
X-295	1	BEARING, BALL, S.A.E. #203
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler, Hinge Top, Press in, 1/4
8X-726	3	Screw, C.E. Cover, Bdg. Hd. #10-32x7/16
X-1270	3	Washer, C.E. Cover, Skpf. #10
X-1621	3	Washer, Air Deflector, Skpf. #10

Armature Assembly & Parts Used With

GAR-1177	1	Oil Thrower
GBM-21B	1	Nut, Shaft, Hex., .669-20
GEB-2087F	1	ARMATURE
SP-230	1	Pulley, Drive
X-157	1	Nut, Hex., Slotted, 1/2-20
X-258	1	Key, Woodruff, C.E., #3
X-263	1	Key, Woodruff, D.E., #8
X-358	1	Washer, Shaft, Plain 1/2
X-404	1	Pin, Cotter, 3/32x1
X-864	1	Lockwasher, Shaft, C.E.

Drive End Head Assembly & Parts Used With

GCE-1076	1	Head Assy., Drive End
GCE-76	1	Head
GX-9	1	Retainer, Bearing
GX-10	1	Gasket, Retainer
X-196	3	Lockwasher, Retainer Sc., #10
8X-311	3	Screw, Bearing Retainer Rd. Hd., #10-32x3/8
X-378	1	BEARING, BALL, SHIELDED, S.A.E. #204

Miscellaneous Parts

GCE-24	1	Band, Cover
X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32
		1 2 3 4 5

NOTE:- VRP-4006E CURRENT- VOLTAGE REGULATOR is used with but is not a part of this generator.

† Brush Set, Service GCE-2012S.

Unit	Application
GEB-4813	Brockway

(Issued 2-19-47)
File in
Equipment & Parts List Binder

Printed in U. S. A.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
	1 2 3 4 5	
DK-23A	2	Frame Screw
(GEB-2034)	1	Frame & Field Assembly
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-66	1	Terminal Post Bottom Ins.
GBW-67	1	Terminal Post Bottom Ins.
GBY-38	2	Pole Piece Screw
GC-26	1	Insulating Washer
GCE-60S	1	Mounting Bracket
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
GEB-29	2	Pole Piece
GEB-1005	1	FIELD COIL ASSY.- Comp.
GEA-30	1	Lead Assembly
X-847	1	Terminal
GEB-27	1	Terminal Post
GEB-58	1	Terminal Post
GEB-1007	1	Field Coil - Left
GEB-1008	1	Field Coil - Right
MN-21	2	Dowel Pin
8X-113	2	5/16-24x5/8 Hex. Hd. Sc.
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
X-1014	2	5/16 Lock Washer
5X-1377	1	#10-32 Hex. Nut
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	2	#10 Lock Washer
X-203	2	5/16 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
5X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

DA-39	2	Flat Oil Guard
DA-132	1	Felt Washer
DH-7	1	Felt Washer
GAR-83	1	Comm. End Cap Cover
GBJ-25	1	End Cap Cover Gasket
GCE-55	1	Air Deflector
GCE-2050	1	Comm. End Plate Assembly
GCE-53	2	Brush Spring
GCE-54	2	Brush Arm
GCE-1012†	2	Brush - Main
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
8X-62	6	#10-32x3/8 Flat Hd. Screw
X-195	1	#8 Lock Washer
X-295	1	BALL BEARING - S.A.E. #203
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
	1 2 3 4 5	

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
	1 2 3 4 5	
DA-70	1	Armature Shaft Nut
GBM-21	1	Armature Shaft Nut
GEB-2062F	1	ARMATURE ASSEMBLY
SP-230	1	Drive Pulley
X-160	1	7/16-20 Hex. Nut
X-205	1	7/16 Lock Washer
X-258	1	#3 Woodruff Key
X-261	1	#6 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GCE-2048	1	Drive End Head Assembly
GAU-31	1	Felt Washer
GCE-48	1	Drive End Head
GG-6	1	Bearing Retainer
GK-176	1	Felt Washer Retainer
GT-76	1	Felt Washer Retainer
GT-78	1	Felt Washer
X-196	3	#10 Lock Washer
X-295	1	BALL BRG.- S.A.E. #203
8X-311	3	#10-32x3/8 Rd. Hd. Sc.
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

GEB-24	1	Head Band
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
	1 2 3 4 5	

(Issued 4-22-41)

NOTE:- VRP-4006E CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

† SERVICE BRUSH SET GCE-2012S.

UNIT	APPLICATION
GEB-4814	Brockway

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DK-23	2	Bolt, Thru
(GEB-2035)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., "A" Term. Outer
GAL-44	1	Ins., Field Connection
GAL-148	1	Pin, Dowel, Aligning
GBW-34	1	Washer, Ins., "F" Term. Outer
GBW-66	1	Ins. Arm. Term., Inner
GBW-67	1	Ins., Field Term. Inner
GBY-38	2	Screw, Pole Shoe
GC-26	1	Washer, Ins., "A" Term., Outer
GCT-25	1	Bushing, Ins., "A" Term. Inner
GCY-25	1	Bushing, Ins., "F" Term. Inner
GEB-1005	1	COIL ASSY., FIELD, COMP.
GEA-30	1	Lead Assy.
X-847	1	Terminal
GEB-27	1	Stud, Arm. Term., #14-24
GEB-58	1	Stud, Field Term., #10-32
GEB-1007A	1	Coil, Field, Left
GEB-1008A	1	Coil, Field, Right
MN-21	2	Pin, Dowel
5X-177	2	Nut, Arm. Term., Hex., #14-24
X-193	2	Lockwasher, Arm. Term., #14
X-196	2	Lockwasher, Field Term., #10
8X-349	1	Washer, Plain, Field Term., #10
8X-361	1	Washer, Plain, Arm. Term., 1/4
5X-1377	2	Nut, Field Term., Hex., #10-32
X-196	1	Lockwasher, Ground Sc., #10
8X-321	1	Screw, Ground, Rd. Hd. #10-32x 5/16
X-1014	2	Lockwasher, Thru Bolt, 5/16

Comm. End Head Assembly & Parts Used With

DA-39	2	Washer, Plain
DA-132	1	Washer, Felt
DH-7	1	Washer, Felt C.E. Inner
GAR-83A	1	Cover, Comm. End
GBJ-25	1	Gasket, C.E. Cover
GCE-2047A	1	Head Assy., Comm. End
GCE-53	2	Spring, Brush
GCE-54	2	Arm, Brush
GCE-1012†	2	Brush
X-195	2	Lockwasher, Brush Lead Sc.
X-196	3	Lockwasher, Cover Sc. #10
X-295	1	BEARING, BALL, S.A.E. #203
8X-305	2	Screw, Brush Lead, Rd. Hd., #8-32x1/4
		1 2 3 4 5

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
X-489	1	Oiler, Hinge Top, Press in, 1/4
8X-870	3	Screw, Cover, Fil. Hd. #10-32x5/16

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Shaft, Hex., .669-20
GEB-2059F	1	ARMATURE
GJ-320	1	Nut, Arm. Shaft
SP-240	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
X-864	1	Lockwasher, Shaft, C.E.

Drive End Head Assembly & Parts Used With

GCE-2048	1	Head Assy., Drive End
GAU-31	1	Washer, Felt, Inner
GCE-48	1	Head
GG-6	1	Retainer, Bearing
GK-176	1	Retainer, Felt, Inner
GT-76	1	Retainer, Felt, Outer
GT-78	1	Washer, Felt, Outer
X-196	3	Lockwasher, Retainer Sc. #10
X-295	1	BEARING, BALL, S.A.E. #203
8X-311	3	Screw, Bearing Retainer Rd. Hd., #10-32x3/8
X-489	1	Oiler, Press in Type, 1/4

Miscellaneous Parts

GEB-24A	1	Band, Cover
X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32
		1 2 3 4 5

† BRUSH SET, Service GCE-2012S.

NOTE:- VRP-4006E Current-Voltage Regulator is used with but is not a part of this generator.

Unit	Application
GEB-4815A	Brockway

(Issued 2-19-47)

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
DK-23C	2	Bolt, Thru
GCB-35	1	Bracket, Gen. Mtg.
(GEB-2032)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term.
GAL-44	1	Insulation, Field Connection
GBW-34	1	Washer, Ins., Field Term.
GBW-66	1	Insulation, Arm. Term. Inner
GBW-67	1	Insulation, Field Term., Inner
GBY-38A	2	Screw, Pole Shoe
GC-26	1	Washer, Ins., Arm. Term.
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Field Term.
GEB-1005	1	Coil Assy., Field, Complete
GEB-27	1	Stud, Arm. Term., #14-24
GEB-58	1	Stud, Field Term., #10-32
GEB-90	1	Lead Assembly
X-847	1	Terminal
GEB-1007A	1	Coil, Field, Left
GEB-1008A	1	Coil, Field, Right
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term. Hex. #14-24
X-196	2	Lockwasher, Field Term., #10
X-199	2	Lockwasher, Arm. Term. 1/4
8X-349	1	Washer, Plain, Field Term., #10
8X-361	1	Washer, Plain, Arm. Term., 1/4
8X-1377	2	Nut, Field Term., Hex. #10-32
8X-113	2	Screw, Mtg. Brkt., Hex. Hd. 5/16-24x5/8
X-196	1	Lockwasher, Ground Sc., #10
X-200	2	Lockwasher, Brkt. Sc., 5/16
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16
X-1014	2	Lockwasher, Thru Bolt, 5/16

Comm. End Head Assembly & Parts Used With

Part No.	No. Used	Name of Part
DA-22	1	Washer, Bearing Retaining
DA-39	1	Washer, Plain, Felt Retaining
DA-60	1	Screw, Bearing Retaining
DH-7	1	Washer, Felt
GBJ-25	1	Gasket, C.E. Cover
GBJ-32A	1	Cover, Comm. End
GCE-2047A	1	Head Assy., Comm. End
GCE-53	2	Spring, Brush
GCE-54	2	Arm, Brush
GCE-1012†	2	Brush
X-195	2	Lockwasher, Lead Sc., #8
X-196	3	Lockwasher, Cover Sc., #10
X-199	1	Lockwasher, Brg. Retaining Sc., 1/4
X-295	1	Bearing, Ball, S.A.E. #203
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler
8X-870	3	Screw, C.E. Cover, Fill. Hd. #10-32x5/16

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm. Shaft, D.E.
GEB-2006F	1	Armature
SP-352	1	Pulley, Drive
X-261	1	Key, Woodruff, #6
X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assy. & Parts Used With

GCE-2048	1	Head Assy., Drive End
GAU-31	1	Washer, Felt, Inner
GCE-48	1	Head, Drive End
GG-6	1	Retainer, Bearing
GK-176	1	Retainer, Felt, Inner
GT-76	1	Retainer, Felt, Outer
GT-78	1	Washer, Felt, Outer
X-196	3	Lockwasher, Retainer Sc., #10
X-295	1	Bearing, Ball, S.A.E. #203
8X-311	3	Screw, Brg. Retainer, Rd. Hd. #10-32x3/8
X-489	1	Oiler

Miscellaneous Parts

GCE-24	1	Band, Cover
X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

(Continued on Reverse Side)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

† Brush Set, Service GCE-2012S.

NOTE: VRP-4006E Current-Voltage Regulator is used with but is not a part of this generator.

UNIT	APPLICATION
GEB-4816A	White Motor Co.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DK-23	2	Bolt, Thru
(GEB-3036)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term., Outer
GAL-44	1	Insulation, Field Connection
GBW-34	1	Washer, Ins., Field Term., Outer
GBW-66	1	Insulation, Arm. Term., Inner
GBW-67	1	Insulation, Field Term., Inner
GBY-38	2	Screw, Pole Piece
GC-26	1	Washer, Ins., Arm. Term., Outer
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Field Term.
GEB-2005	1	Coil Assy., Field, Comp.
GEA-30	1	Lead Assy.
X-847	1	Terminal
GEB-27	1	Post, Arm. Term., #14-24
GEB-58	1	Post, Field Term., #10-32
GEB-1007A	1	Coil, Left
GEB-1008A	1	Coil, Right
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term., Hex., #14-24
X-193	2	Washer, Lock, Arm. Term., #14
X-196	2	Washer, Lock, Field Term., #10
8X-349	1	Washer, Plain, Field Term., #10
8X-361	1	Washer, Plain, Arm. Term., 1/4
8X-1377	2	Nut, Field Term., Hex., #10-32
X-196	1	Lockwasher, Ground Sc., #10
8X-321	1	Screw, Ground, Rd. Hd. #10-32x 5/16
X-1014	2	Lockwasher, Thru Bolt, 5/16

Comm. End Head Assembly & Parts Used With

DA-39	2	Washer, Plain
DA-132	1	Washer, Felt
DH-7	1	Washer, Felt, C.E. Inner
GAR-83A	1	Cover, Comm. End
GBJ-25	1	Gasket, Comm. End Cover
GCE-55A	1	Deflector, Air
GCE-3080	1	Head Assy., Comm. End
GCE-53	2	Spring, Brush
GCE-54	2	Arm, Brush
GCE-1012†	2	Brush
8X-66	3	Screw, Air Deflector, Flat Hd. #10-32x1/2
X-195	2	Lockwasher, Brush Lead Sc., #8
		1 2 3 4 5

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
X-295	1	Bearing, Ball, S.A.E. #203
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler, Hinge Top, Press in, 1/4
8X-726	3	Screw, C.E. Cover, Bdg. Hd. #10-32x7/16
X-1270	3	Washer, C.E. Cover, Skpf. #10
X-1621	3	Washer, Air Deflector, Skpf. #10

Armature Assembly & Parts Used With

GAR-1177	1	Oil Thrower
GBM-21	1	Nut, Armature Shaft
GEB-2087F	1	Armature
SP-230A	1	Fan, Ventilating
X-157	1	Nut, Shaft, D.E., Slotted 1/2-20
X-258	1	Key, Woodruff, #3
X-263	1	Key, Woodruff, #8
X-358	1	Washer, Shaft, Plain 1/2
X-404	1	Pin, Cotter, 3/32x1
X-864	1	Lockwasher, Shaft, C.E.

Drive End Head Assembly & Parts Used With

GCE-1076	1	Head Assy., Drive End
GCE-76	1	Head
GX-9	1	Retainer, Bearing
GX-10	1	Gasket, Retainer
X-196	3	Lockwasher, Retainer Sc., #10
8X-311	3	Screw, Bearing Retainer Rd. Hd., #10-32x3/8
X-378	1	Bearing, Ball, Shielded, S.A.E. #204

Miscellaneous Parts

GCE-24C	1	Band, Cover
X-715	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/4
8X-794	1	Nut, Cover Band, Square #10-32
		1 2 3 4 5

† Brush Set, Service GCE-2012S.

NOTE:- VRP-4006E Current-Voltage Regulator is used with but is not a part of this generator.

Unit	Application
GEB-4819	Duplex, Harnischfeger, Bay City Shovel

(Issued 1-14-47)

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DK-23A	2	Frame Screw
(GEB-2040)	1	Frame & Field Assembly
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-66	1	Terminal Post Bottom Ins.
GBW-67	1	Terminal Post Bottom Ins.
GBY-38	2	Pole Piece Screw
GC-26	1	Insulating Washer
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
GEB-29	2	Pole Piece
GEB-1005	1	FIELD COIL ASSY.- Comp.
GEA-30	1	Lead Assembly
X-847	1	Terminal
GEB-27	1	Terminal Post
GEB-58	1	Terminal Post
GEB-1007	1	Field Coil - Left
GEB-1008	1	Field Coil - Right
MN-21	2	Dowel Pin
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
5X-1377	1	#10-32 Hex. Nut
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	2	#10 Lock Washer
X-203	2	5/16 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
5X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

DA-22	1	Bearing Retaining Washer
DA-39	1	Flat Oil Guard
DA-60	1	Bearing Retaining Screw
DH-7	1	Felt Washer
GBJ-25	1	End Cap Cover Gasket
GBJ-32	1	Comm. End Cap Cover
GCE-2081	1	Comm. End Plate Assembly
GCE-53	2	Brush Spring
GCE-54	2	Brush Arm
GCE-1012†	2	Brush - Main
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-195	1	#8 Lock Washer
X-199	1	1/4 Lock Washer
X-295	1	BALL BEARING - S.A.E. #203
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Sc.
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAR-1177	1	Oil Thrower Assembly
GEB-2102F	1	ARMATURE ASSEMBLY
GK-174	1	1/2 Plain Washer
X-156	1	1/2-20 Castellated Nut
X-263	1	#8 Woodruff Key
X-404	1	3/32x1 Cotter Pin

Drive End Head Assembly & Parts Used With

GCE-1091	1	Drive End Head Assembly
GAR-95	1	Felt Washer
GCE-91	1	Drive End Head
GX-9	1	D. E. Packing Retainer
GX-10	1	Gasket
X-196	3	#10 Lock Washer
8X-311	3	#10-32x3/8 Rd. Hd. Screw
X-378	1	BALL BRG.- S.A.E. #204
		Oil Seal

Miscellaneous Parts

GCE-24C	1	Head Band
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 4-30-41)

† SERVICE BRUSH SET GCE-2012S.

NOTE:- VRW-4004A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GEB-4820	Hercules

"NOTE: Where part numb rs are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DK-23	2	Frame Screw
(GEB-2001)	1	Frame & Field Assembly
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-66	1	Terminal Post Bottom Ins.
GBW-67	1	Terminal Post Bottom Ins.
GBY-38A	2	Pole Piece Screw
GC-26	1	Insulating Washer
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
GEB-29	2	Pole Piece
GEB-1005	1	FIELD COIL ASSY.- Comp.
GEA-30	1	Lead Assembly
X-847	1	Terminal
GEB-27	1	Terminal Post
GEB-58	1	Terminal Post
GEB-1007	1	Field Coil - Left
GEB-1008	1	Field Coil - Right
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	2	#10 Lock Washer
12X-203	2	5/16 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

DA-22	1	Bearing Retaining Washer
DA-39	1	Flat Oil Guard
DA-60	1	Bearing Retaining Screw
DH-7	1	Felt Washer
GBJ-25	1	End Cap Cover Gasket
GBJ-32A	1	Comm. End Cap Cover
GCE-2002	1	Comm. End Plate Assembly
GCE-53	2	Brush Spring
GCE-54	2	Brush Arm
GCE-1012†	2	Brush - Main
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-195	1	#8 Lock Washer
X-199	1	1/4 Lock Washer
X-295	1	BALL BEARING - S.A.E. #203
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
12X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GEB-2104F	1	ARMATURE ASSEMBLY
*	1	Drive Pulley
X-263	1	#8 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GCE-1082	1	Drive End Head Assembly
GAR-178	2	Bearing Retainer
GAR-179	2	Felt Guard
GCE-82	1	Drive End Head
GJ-147	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-298	1	BALL BRG.- S.A.E. #204
8X-306	3	#10-32x1 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

GCE-24	1	Head Band
8X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 4-30-41)

Assembly No.	Drive Pulley
GEB-4822	None
GEB-4822A	SP-391

† SERVICE BRUSH SET GCE-2012S.

* See table following parts list for part number applying to assembly wanted.

NOTE:- VRP-4001B CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GEB-4822,A	Dodge Truck

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBD-20A	2	Frame Screw
(GEB-3036)	1	Frame & Field Assembly
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-66	1	Terminal Post Bottom Ins.
GBW-67	1	Terminal Post Bottom Ins.
GBY-38	2	Pole Piece Screw
GC-26	1	Insulating Washer
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
GEB-29	2	Pole Piece
GEB-2005	1	FIELD COIL ASSY.- Comp.
GEA-30	1	Lead Assembly
X-847	1	Terminal
GEB-27	1	Terminal Post
GEB-58	1	Terminal Post
GEB-1007A	1	Field Coil - Left
GEB-1008A	1	Field Coil - Right
MN-21	2	Dowel Pin
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
5X-1377	1	#10-32 Hex. Nut
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	2	#10 Lock Washer
X-203	2	5/16 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Sc.
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

DA-39	2	Flat Oil Guard
DA-132	1	Felt Washer
DH-7	1	Felt Washer
GAR-83	1	Comm. End Cap Cover
GBJ-25	1	End Cap Cover Gasket
GCE-55	1	Air Deflector
GCE-3080	1	Comm. End Plate Assembly
GCE-53	2	Brush Spring
GCE-54	2	Brush Arm
GCE-1012†	2	Brush - Main
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
8X-62	6	#10-32x3/8 Flat Hd. Screw
X-195	1	#8 Lock Washer
X-295	1	BALL BEARING - S.A.E. #203
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DG-1144	1	Oil Thrower
GBM-21	1	Armature Shaft Nut
GEB-2054F	1	ARMATURE ASSEMBLY
SP-230	1	Ventilating Fan
X-157	1	1/2-20 Slotted Nut
X-258	1	#3 Woodruff Key
X-263	1	#8 Woodruff Key
X-358	1	1/2 Plain Steel Washer
X-404	1	3/32x1 Cotter Pin
X-864	1	.609 Lock Washer

Drive End Head Assembly & Parts Used With

GCE-1109	1	Drive End Head Assembly
GAE-47	1	Bearing Retainer
GCE-109	1	Drive End Head
8X-66	3	#10-32x1/2 Flat Hd. Sc.
X-298	1	BALL BRG. - S.A.E. #204
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

GCE-24C	1	Head Band
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 7-1-41)

† SERVICE BRUSH SET GCE-2012S.

NOTE:- VRP-4004C CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GEB-4823	Autocar

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GEB-4824 GENERATOR PARTS LIST GEB-4824

PRELIMINARY

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBD-20A	2	Frame Screw
(GEB-2055)	1	Frame & Field Assembly
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-66	1	Terminal Post Bottom Ins.
GBW-67	1	Terminal Post Bottom Ins.
GBY-38	2	Pole Piece Screw
GC-26	1	Insulating Washer
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
GEB-29	2	Pole Piece
GEB-1005	1	FIELD COIL ASSY.- Comp.
GEA-30	1	Lead Assembly
X-847	1	Terminal
GEB-27	1	Terminal Post
GEB-58	1	Terminal Post
GEB-1007	1	Field Coil - Left
GEB-1008	1	Field Coil - Right
MN-21	2	Dowel Pin
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
5X-1377	1	#10-32 Hex. Nut
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	2	#10 Lock Washer
X-203	2	5/16 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
5X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

DA-22	1	Bearing Retaining Washer
DA-39	1	Flat Oil Guard
DA-60	1	Bearing Retaining Screw
DH-7	1	Felt Washer
GBJ-25	1	End Cap Cover Gasket
GBJ-32	1	Comm. End Cap Cover
GCE-2081	1	Comm. End Plate Assembly
GCE-53	2	Brush Spring
GCE-54	2	Brush Arm
GCE-1012 †	2	Brush - Main
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-195	1	#8 Lock Washer
X-199	1	1/4 Lock Washer
X-295	1	BALL BEARING - S.A.E. #203
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DG-1144	1	Oil Thrower
GEB-2111F	1	ARMATURE ASSEMBLY
X-157	1	1/2-20 Slotted Nut
X-263	1	#8 Woodruff Key
X-358	1	1/2 Plain Steel Washer
X-404	1	3/32x1 Cotter Pin

Drive End Head Assembly & Parts Used With

GCE-1110	1	Drive End Head Assembly
GAE-47	1	Bearing Retainer
GCE-110	1	Drive End Head
8X-66	3	#10-32x1/2 Flat Hd. Sc.
X-378	1	BALL BEARING - Oil Seal

Miscellaneous Parts

GCE-24C	1	Head Band
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 7-2-41)

† SERVICE BRUSH SET GCE-2012S.

NOTE:- VRW-4004A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GEB-4824	Hercules

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DK-23	2	Frame Screw
(GEB-2001)	1	Frame & Field Assembly
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-66	1	Terminal Post Bottom Ins.
GBW-67	1	Terminal Post Bottom Ins.
GBY-38A	2	Pole Piece Screw
GC-26	1	Insulating Washer
GDD-25	1	Insulating Bushing
GDD-26	1	Insulating Bushing
GEB-29	2	Pole Piece
GEB-1005	1	FIELD COIL ASSY.- Comp.
GBW-58	1	Terminal Post
GEA-30	1	Lead Assembly
X-847	1	Terminal
GEB-27	1	Terminal Post
GEB-1007	1	Field Coil - Left
GEB-1008	1	Field Coil - Right
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	2	#10 Lock Washer
12X-203	2	5/16 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assy. & Parts Used With

DA-22	1	Bearing Retaining Washer
DA-39	1	Flat Oil Guard
DA-60	1	Bearing Retaining Screw
DH-7	1	Felt Washer
GBJ-25	1	End Cap Cover Gasket
GBJ-32A	1	Comm. End Cap Cover
GCE-2047B	1	Comm. End Plate Assembly
GCE-53	2	Brush Spring
GCE-54	2	Brush Arm
GCE-1012‡	2	Brush - Main
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-195	1	#8 Lock Washer
X-199	1	1/4 Lock Washer
X-295	1	BALL BEARING - S.A.E. #203
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
12X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Sc.
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GEB-2006F	1	ARMATURE ASSEMBLY
SP-396	1	Drive Pulley
X-261	1	#6 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assy. & Parts Used With

GCE-1112	1	Drive End Head Assembly
GAU-31	1	Felt Washer
GCE-112	1	Drive End Head
GG-6	1	Bearing Retainer
GK-176	1	Felt Washer Retainer
GT-76	1	Felt Washer Retainer
GT-78	1	Felt Washer
X-196	3	#10 Lock Washer
X-295	1	BALL BRG.- S.A.E. #203
8X-311	3	#10-32x3/8 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

GCE-24	1	Head Band
8X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 9-6-40)

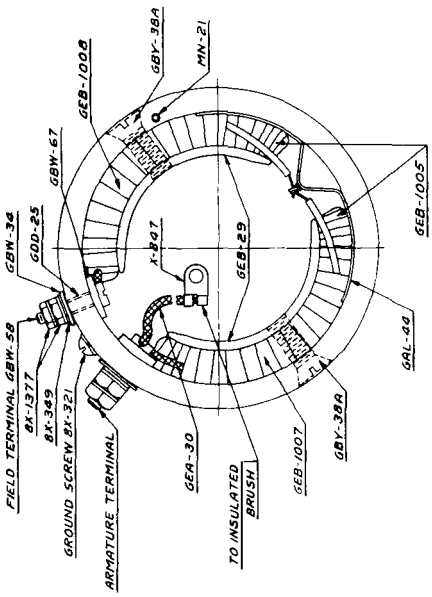
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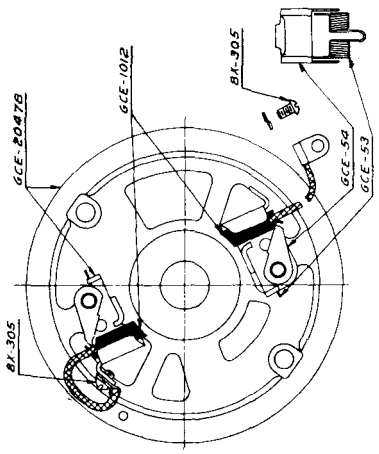
‡ SERVICE BRUSH SET GCE-2012S.

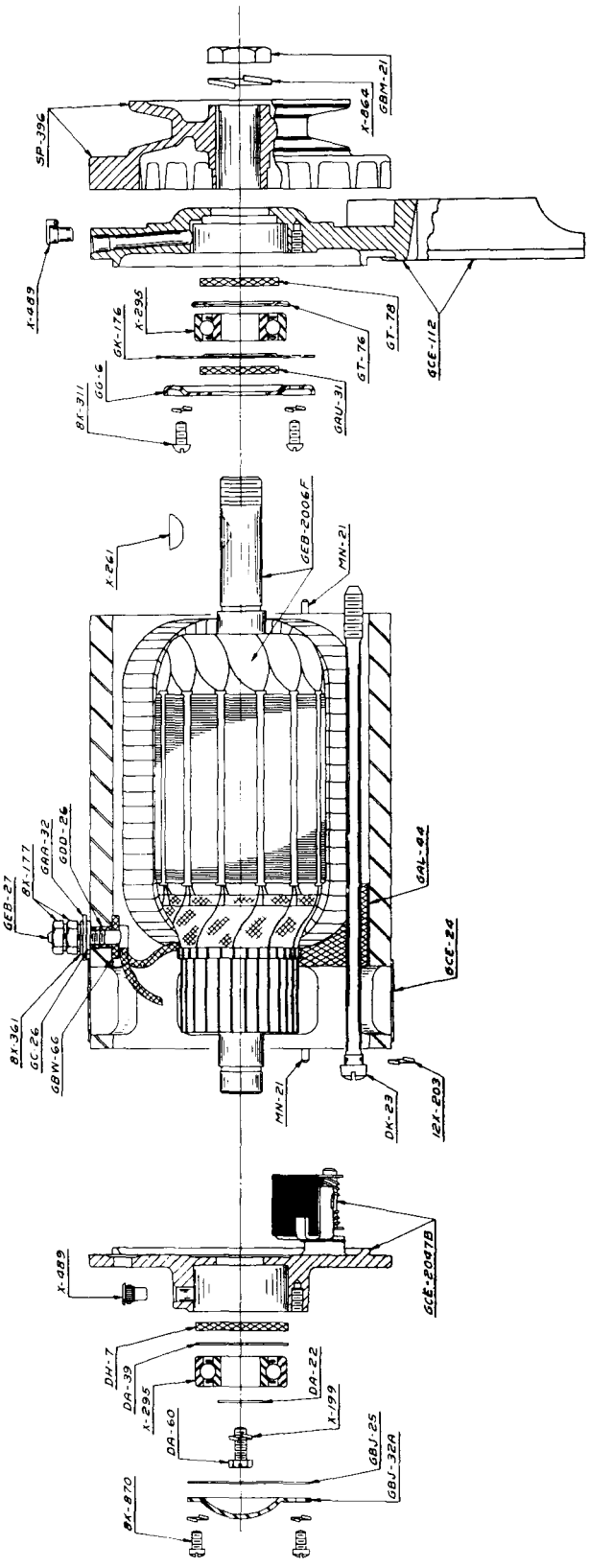
UNIT	APPLICATION
GEB-4825A	Service Generator

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GEB-4825A GENERATOR ILLUSTRATION







Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DK-23A	2	Frame Screw
(GEB-2001A)	1	Frame & Field Assembly
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-66	1	Terminal Post Bottom Ins.
GBW-67	1	Terminal Post Bottom Ins.
GBY-38	2	Pole Piece Screw
GC-26	1	Insulating Washer
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
GEB-29	2	Pole Piece
GEB-1005	1	FIELD COIL ASSY.- Comp.
GEA-30	1	Lead Assembly
X-847	1	Terminal
GEB-27	1	Terminal Post
GEB-58	1	Terminal Post
GEB-1007	1	Field Coil - Left
GEB-1008	1	Field Coil - Right
MN-21	2	Dowel Pin
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
5X-1377	1	#10-32 Hex. Nut
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	2	#10 Lock Washer
X-203	2	5/16 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
5X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

DA-22	1	Bearing Retaining Washer
DA-60	1	Bearing Retaining Screw
GBJ-25	1	End Cap Cover Gasket
GBJ-32	1	Comm. End Cap Cover
GCE-2113	1	Comm. End Plate Assembly
GCE-53	2	Brush Spring
GCE-54	2	Brush Arm
GCE-1012†	2	Brush - Main
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-195	1	#8 Lock Washer
X-199	1	1/4 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Screw
X-1499	1	BALL BEARING - Oil Seal
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GEB-2115F	1	ARMATURE ASSEMBLY
X-261	1	#6 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GCE-1114	1	Drive End Head Assembly
GCE-114	1	Drive End Head
GG-6	1	Bearing Retainer
X-196	3	#10 Lock Washer
8X-311	3	#10-32x3/8 Rd. Hd. Sc.
X-1499	1	BALL BEARING

Miscellaneous Parts

GCE-1024C	1	Head Band Assembly
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 5-20-41)

† SERVICE BRUSH SET GCE-2012S.

NOTE:- VRP-4006E CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GEB-4827	White Motor

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DK-23A	2	Frame Screw
(GEB-2001A)	1	Frame & Field Assembly
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-66	1	Terminal Post Bottom Ins.
GBW-67	1	Terminal Post Bottom Ins.
GBY-38	2	Pole Piece Screw
GC-26	1	Insulating Washer
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
GEB-29	2	Pole Piece
GEB-1005	1	FIELD COIL ASSY.- Comp.
GEA-30	1	Lead Assembly
X-847	1	Terminal
GEB-27	1	Terminal Post
GEB-58	1	Terminal Post
GEB-1007	1	Field Coil - Left
GEB-1008	1	Field Coil - Right
MN-21	2	Dowel Pin
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
5X-1377	1	#10-32 Hex. Nut
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	2	#10 Lock Washer
X-203	2	5/16 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
5X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

DA-22	1	Bearing Retaining Washer
DA-60	1	Bearing Retaining Screw
GBJ-25	1	End Cap Cover Gasket
GBJ-32	1	Comm. End Cap Cover
GCE-2116	1	Comm. End Plate Assembly
GCE-53	2	Brush Spring
GCE-54	2	Brush Arm
GCE-1012†	2	Brush - Main
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
GEB-68	3	Stud
GEB-1028	1	Dust Cover Assembly
8X-173	3	#10-32 Hex. Nut
X-195	1	#8 Lock Washer
X-199	1	1/4 Lock Washer
X-295	1	BALL BEARING - S.A.E. #203
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-544	6	#10 Lock Washer
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GEB-2006F	1	ARMATURE ASSEMBLY
SP-433	1	Drive Pulley
X-261	1	#6 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GCE-1003H	1	Drive End Head Assembly
GAU-31	1	Felt Washer
GCE-3G	1	Drive End Head
GC-6	1	Bearing Retainer
GK-176	1	Felt Washer Retainer
GT-76	1	Felt Washer Retainer
GT-78	1	Felt Washer
X-196	3	#10 Lock Washer
X-295	1	BALL BRG.- S.A.E. #203
8X-311	3	#10-32x3/8 Rd. Hd. Sc.
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

GCE-1024C	1	Head Band Assembly
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 7-1-41)

† SERVICE BRUSH SET GCE-2012S.

NOTE:- VRP-4006E CURRENT-VOLTAGE REGULATOR is used with but is not a part of tnis generator.

UNIT	APPLICATION
GEB-4828A	White

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GEB-4832M GENERATOR PARTS LIST

GEB-4832M
(Issued 3-8-51)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
DK-23C	2	Bolt, Thru
(GEB-3083A)	1	Frame & Field Assy.
GBW-66	1	Insulation, Field Term., Inner
GBY-38C	2	Screw, Pole Shoe
GCE-60S	1	Bracket, Mounting
GCY-28A	1	Bushing, Ins., Arm. Term.
GDW-22	1	Insulation, Arm. Term., Inner
GDW-44	1	Washer, Ins., Field Term.
GEB-2005B	1	COIL ASSY., FIELD, COMPLETE
GDW-23A	1	Stud, Arm. Term., 5/16-24
GDW-28A	1	Stud, Field Term., 1/4-28
GEA-30	1	Lead Assy.
X-847	1	Terminal
GEB-1007D	1	Coil, Field, Left
GEB-1008D	1	Coil, Field, Right
GFL-23	1	Bushing, Ins., Field Term.
GGE-35	1	Washer, Ins., Arm. Term.
MN-21A	2	Pin, Dowel
MU-37G	1	Washer, Plain, Arm. Term.
19X-113	2	Screw, Mtg. Brkt., Hex. Hd. #5/16-24x5/8
X-180	2	Nut, Arm. Term., Hex. 5/16-24
X-187	1	Washer, Plain, Field Term., #14
12X-199	2	Lockwasher, Field Term., 1/4
12X-1014	4	Lockwasher, Arm. Term. & Brkt. Sc., 5/16
X-2903	2	Nut, Field Term., Hex. 1/4-28
X-20	1	Screw, Ground, Rd. Hd. #10-32x5/16
12X-196	1	Lockwasher, Ground Screw, #10
12X-1014	2	Lockwasher, Thru Bolt, 5/16

Comm. End Head Assembly & Parts Used With

DA-39A	2	Washer, Plain, Felt Retaining
DA-132	1	Washer, Felt, C.E. Outer
DH-7	1	Washer, Felt, C.E. Inner
GAR-83C	1	Cover, Comm. End
GBJ-25	1	Gasket, C.E. Cover
GCE-3080A	1	Head Assy., Comm. End
GCE-53A	2	Spring, Brush
GCE-54A	2	Arm, Brush
GCE-1012†	2	Brush
X-10	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
12X-195	2	Lockwasher, Lead Sc., #8

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
X-295	1	BEARING, BALL, S.A.E. #203
X-489A	1	Oiler
19X-726	3	Screw, C.E. Cover, Bdg. Hd. #10-32x7/16
X-1270	3	Washer, Cover Sc., Skpf. #10

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm. Shaft, C.E.
GEB-86	1	Spacer, Armature Shaft
GEB-2138FM	1	ARMATURE
SP-230B	1	Fan, Ventilating
X-258	1	Key, Woodruff, C.E., #3
X-266	1	Key, Woodruff, #A
12X-864	1	Lockwasher, Shaft, C.E.
12X-1018	1	Lockwasher, Shaft, D.E., 5/8
19X-1178	1	Nut, Shaft, D.E., Hex. 5/8-18

Drive End Head Assembly & Parts Used With

GCE-1139A	1	Head Assy., Drive End
GBC-74	1	Washer, Felt, Inner
GBC-75	1	Washer, Felt, Outer
GBC-76A	2	Retainer, Felt Washer
GBC-77A	1	Retainer, Bearing
GCE-139A	1	Head, D.E.
SA-31	1	Wick, Felt
X-21	3	Screw, Retainer, Rd. Hd. #10-32x3/8
12X-196	3	Lockwasher, Retainer Sc., #10
X-444	1	BEARING, BALL, S.A.E. #305
X-489A	1	Oiler

Miscellaneous Parts

GEB-24A	1	Band, Cover
X-2875	1	Nut, Cover Band, Square #10-32
X-2882	1	Screw, Cover Band, Fill. Hd. #10-32x1 1/2

† BRUSH SET, SERVICE GCE-2012S.

NOTE: VRP-4303AXM CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GEB-4832M	Kahlenberg Bros.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DK-23	2	Bolt, Thru
(GEB-2055)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term., Outer
GAL-44	1	Insulation, Field Connection
GBW-34	1	Washer, Ins., Field Term., Outer
GBW-66	1	Insulation, Arm. Term., Inner
GBW-67	1	Insulation, Field Term., Inner
GBY-38	2	Screw, Pole Shoe
GC-26	1	Washer, Ins., Arm. Term., Outer
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Arm. Term.
GEB-1005	1	Coil Assy., Field, Comp.
GEA-30	1	Lead Assy.
X-847	1	Terminal
GEB-27	1	Stud, Arm. Term., #14-24
GEB-58	1	Stud, Field Term., #10-32
GEB-1007A	1	Coil, Field, Left
GEB-1008A	1	Coil, Field, Right
MN-21	2	Pin, Dowel
5X-177	2	Nut, Arm. Term., Hex., #14-24
X-193	2	Lockwasher, Arm. Term. #14
X-196	2	Lockwasher, Field Term., #10
8X-349	1	Washer, Plain, Field Term., #10
8X-361	1	Washer, Plain, Arm. Term., 1/4
5X-1377	2	Nut, Field Term., Hex., #10-32
X-196	1	Lockwasher, Ground Sc., #10
8X-321	1	Screw, Ground, Rd. Hd. #10-32x 5/16
X-1014	2	Lockwasher, Thru Bolt, 5/16

Comm. End Head Assembly & Parts Used With

DA-22	1	Washer, Bearing Retaining
DA-39	1	Washer, Plain
DA-60	1	Screw, Bearing Retaining
DH-7	1	Washer, Felt, Comm. End Inner
GBJ-25	1	Gasket, Comm. End Cover
GBJ-32A	1	Cover, Comm. End
GCE-2123	1	Head Assy., Comm. End
GCE-53	2	Spring, Brush
GCE-54	2	Arm, Brush
GCE-1012†	2	Brush
X-195	2	Lockwasher, Brush Lead Sc., #8
X-196	3	Lockwasher, Cover Screw, #10
X-199	1	Lockwasher, Brg. Retaining Sc., 1/4
X-295	1	Bearing, Ball, S.A.E. #203
		1 2 3 4 5

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler, Hinge Top, Press in, 1/4
X-870	3	Screw, Cover, Fil. Hd. #10-32x 5/16

Armature Assembly & Parts Used With

GBM-21	1	Nut, Armature Shaft
GEB-2006F	1	Armature
SP-446	1	Pulley, Drive
X-261	1	Key, Woodruff, #6
X-864	1	Lockwasher, Shaft

Drive End Head Assembly & Parts Used With

GCE-1124	1	Head Assy., Drive End
GAU-31	1	Washer, Felt, Inner
GCE-124	1	Head
GG-6	1	Retainer, Bearing
GK-176	1	Retainer, Felt, Inner
GT-76	1	Retainer, Felt, Outer
GT-78	1	Washer, Felt, Outer
X-196	3	Lockwasher, Retainer Sc. #10
X-295	1	Bearing, Ball, S.A.E. #203
8X-311	3	Screw, Bearing Retainer, Rd. Hd. #10-32x3/8
X-489	1	Oiler, Press in Type, 1/4

Miscellaneous Parts

GCE-24C	1	Band, Cover
X-715	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/4
8X-794	1	Nut, Cover Band, Square #10-32
		1 2 3 4 5

† Brush Set, Service GCE-2012S.

NOTE:- VRP-4006E Current-Voltage Regulator is used with but is not a part of this generator.

Unit	Application
GEB-4834A	Buda

(Issued 1-14-47)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GEB-6001A,B,C,D,E,F,G,H,J,S,S-1 GENERATOR PARTS LIST GEB-6001A,B,C,D, D,E,F,G,H,J,S,S-1 (Issued 12-12-51)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
DK-23C	2	Bolt, Thru
*	1	Bracket, Mounting, Generator
(GEB-2092)	1	Frame & Field Assembly
GAA-32	1	Washer, Ins., Arm. Term., Outer
GAL-44	1	Insulation, Field Connection
GBW-34	1	Washer, Ins., Field Term., Outer
GBW-66	1	Insulation, Arm. Term., Inner
GBW-67	1	Insulation, Field Term., Inner
GBY-38A	2	Screw, Pole Shoe
GC-26	1	Washer, Ins., Arm. Term., Outer
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Field Term.
GEB-1005	1	COIL ASSY., FIELD, COMPLETE
GEB-27	1	Stud, Arm. Term., #14-24
GEB-58	1	Stud, Field Term., #10-32
GEB-90	1	Lead Assy.
X-847	1	Terminal
GEB-1007A	1	Coil, Field, Left
GEB-1008A	1	Coil, Field, Right
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term., Hex. #14-24
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-349	1	Washer, Plain, Field Term., #10
8X-361	1	Washer, Plain, Arm. Term., 1/4
8X-1377	2	Nut, Field Term., Hex. #10-32
12X-196	1	Lockwasher, Ground Screw, #10
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16
8X-832†	2	Nut, Bracket Screw, Hex. 5/16-24
8X-863†	2	Screw, Mtg. Bracket, Hex. Hd. 5/16-24x1 1/4
12X-1014	4	Lockwasher, Thru Bolt, & Bracket Screw, 5/16

Comm. End Head Assembly & Parts Used With

Part No.	No. Used	Name of Part
DA-22	1	Washer, Bearing Retaining
DA-39	1	Washer, Plain, Felt Retaining
DA-60	1	Screw, Bearing Retaining
DH-7	1	Washer, Felt, C.E. Inner
GBJ-25	1	Gasket, C.E. Cover
GBJ-32A	1	Cover, Comm. End
GCE-2002S	1	Head Assy., Comm. End
GCE-53	2	Spring, Brush
GCE-54	2	Arm, Brush
GCE-2012S	1	BRUSH SET, SERVICE
12X-195	2	Lockwasher, Lead Sc., #8
12X-196	3	Lockwasher, Cover Screw, #10
12X-199	1	Lockwasher, Brg. Retaining Sc., 1/4
X-295	1	BEARING, BALL, S.A.E. #203
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler
8X-870	3	Screw, Cover, Fill. Hd. #10-32x5/16

Armature Assembly & Parts Used With

*	1	Nut, Arm. Shaft, D.E.
GEB-2006F	1	ARMATURE
GEG-31	1	Spacer, Shaft
*	1	Pulley, Drive
X-261	1	Key, Woodruff, #6
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assy. & Parts Used With

GEW-1003	1	Head Assy., Drive End
GAU-31	1	Washer, Felt, Inner
GEW-3	1	Head, Drive End
GG-6	1	Retainer, Bearing
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
GK-176	1	Retainer, Felt, Inner
GT-76	1	Retainer, Felt, Outer
GT-78	1	Washer, Felt, Outer
12X-196	3	Lockwasher, Retainer Sc., #10
X-295	1	BEARING, BALL, S.A.E. #203
X-489	1	Oiler

(See Reverse Side)

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File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Miscellaneous Parts

Part No.	No. Used	Name of Part
GCE-24	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

NOTE: * CURRENT VOLTAGE REGULATOR is used with but is not part of this generator.

† Used on GEB-6001H & GEB-6001J only.

* See table following parts list for part number applying to assembly wanted.

Assembly No.	Bracket	Pulley	Nut	Regulator
GEB-6001A	None	SP-895	GBM-21B	VRP-4004C
GEB-6001B	None	SP-896	SP-357A	VRP-4004C
GEB-6001C	None	SP-897	GBM-21B	VRP-4004C
GEB-6001D	None	SP-899	GBM-21B	VRP-4004C
GEB-6001E	None	SP-900	SP-357A	VRP-4004C
GEB-6001F	None	SP-471B	GBM-21B	VRP-4405A
GEB-6001G	None	SP-894	GBM-21B	VRP-4004C
GEB-6001H	GCE-94	SP-895	GBM-21B	VRP-4004C
GEB-6001J	GEG-65	SP-496A	GBM-21B	VRP-4004C
GEB-6001S	None	None	GBM-21B	VRP-4004C
GEB-6001S-1	None	None	GBM-21B	

UNIT	APPLICATION
GEB-6001A,B,C,	Brockway
GEB-6001D	Continental
GEB-6001E	Studebaker
GEB-6001F	Chrysler
GEB-6001G	Dodge (Truck)
GEB-6001H,J	Diamond T
GEB-6001S	A-L Service
GEB-6001S-1	Chrysler Service

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GEC-2001)	1	Frame & Field Assy.
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-58	1	Terminal Post
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
GDS-30	1	Lead Assembly
GAA-27	1	Terminal Post
X-847	1	Terminal
GDZ-29	2	Pole Piece
GEA-34	1	Terminal Post Bottom Ins.
GEC-1005	1	FIELD COIL ASSY.- COMP.
GDZ-1008	1	Field Coil - Right
GEC-1007	1	Field Coil Assy.-Left
X-976	1	Terminal
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
5X-1377	1	#10-32 Hex. Nut
GY-20A	2	Frame Screw
X-199	2	1/4 Lock Washer

Comm. End Plate Assy. & Parts Used With

(GEC-2084)	1	Comm. End Plate Assy.
GAR-73	1	Oil Wick
GAR-98A	1	Wick Cover
GBW-30B	1	Comm. End Cap Cover
GBW-31	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GCJ-51	1	3rd Brush Plate Retaining Spring
GCJ-1014	1	3rd Brush Plate Assy.
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
GCJ-1084A	1	C.E. Plate Part Assy.
GBF-79	1	ABSORBENT BRONZE BRG.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
GDF-1012‡	2	Brush - Main
GEC-1013‡	1	Brush - Third
X-195	5	#8 Lock Washer
8X-311	1	#10-32x3/8 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
8X-888	4	#8-32x5/16 Fill. Hd. Sc.
8X-1507	1	#8-32x1/4 Bdg. Hd. Screw
X-195	2	#8 Lock Washer
8X-1507	2	#8-32x1/4 Bdg. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GDZ-2006F	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GR-32	1	Felt Washer Retainer
SP-1323	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assy. & Parts Used With

GBJ-1065	1	Drive End Head Assy.
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GBJ-65	1	D.E. Head
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	BALL BRG.- S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Sc.

Miscellaneous Parts

GBW-24	1	Head Band Assy.
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 7-12-39)

‡ Service BRUSH SET GDF-2012CS.

NOTE:- VRR-4001A VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GEC-4801A	Hudson

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking su -parts the complete part can be assembled as needed."

GEC-4801A GENERATOR ILLUSTRATION

Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCX-20	2	Frame Screw
(GEE-3001)	1	Frame & Field Assembly
GAA-30	1	Terminal Post Bottom Ins.
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GCT-25	1	Insulating Bushing
GDU-29	2	Pole Piece
GEE-23	1	Lead Assembly
GAA-27	1	Terminal Post
X-947	1	Terminal
GEE-2005	1	FIELD COIL ASSY.- Comp.
GAA-27	1	Terminal Post
GEE-1007	1	Field Coil Assy.-Right
X-946	1	Terminal
GEE-1008	1	Field Coil - Left
GK-38	4	Pole Piece Screw
MN-21	2	Dowel Pin
5X-177	2	#14-24 Hex. Nut
X-193	2	#14 Lock Washer
X-361	1	1/4 Plain Washer
5X-177	2	#14-24 Hex. Nut
X-193	2	#14 Lock Washer
X-199	2	1/4 Lock Washer

Comm. End Plate Assy. & Parts Used With

GEE-27	1	End Cap Cover Gasket
GEE-28	1	Comm. End Cap Cover
(GEE-3002)	1	Comm. End Plate Assembly
GAL-12‡	2	Brush - Main
GAL-199	2	Brush Screw Block
GAL-204	1	Ground Connector Assy.
X-958	2	Terminal
GAL-205	2	3rd Brush Plate Retaining Spring
GAL-242	2	Brush Holder
GCX-19	2	Brush Spring
GEE-1002	1	C. E. Plate Part Assembly
GEE-2213	1	3rd Brush Holder Plate Assembly
GAL-199	1	Brush Screw Block
GAL-242	1	Brush Holder
GAR-13‡	1	Brush - Third
GAR-1213	1	3rd Brush Holder Plate Part Assembly
GCX-19	1	Brush Spring
8X-59	1	#8-32x3/16 Rd. Hd. Sc.
X-1276	1	#8 Skpf. Lock Washer
8X-1505	1	#8-32x9/16 Bdg. Hd. Sc.
8X-59	2	#8-32x3/16 Rd. Hd. Screw
8X-63	2	#8-32x3/8 Flat Hd. Screw
X-195	2	#8 Lock Washer
8X-304	1	#8-32x5/16 Rd. Hd. Screw
X-1276	1	#8 Skpf. Lock Washer
8X-1505	2	#8-32x9/16 Bdg. Hd. Sc.
GG-60	1	Spacer
8X-62	3	#10-32x3/8 Flat Hd. Screw
X-1501	1	BALL BEARING - Oil Seal
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GCX-2038	1	ARMATURE ASSEMBLY
GAR-171	2	Snap Ring
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assy. & Parts Used With

GEE-3	1	Drive End Head
GEE-25	1	Noise Eliminator
X-1501	1	BALL BEARING - Oil Seal

Miscellaneous Parts

GEE-24	1	Head Band
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 5-2-40)

NOTE:- CBK-4001 CIRCUIT BREAKER is used with but is not part of this generator.

‡ Service BRUSH SET GAL-2012A.

UNIT	APPLICATION
GEE-4501	Wincharger Co.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GEE-4501 GENERATOR ILLUSTRATION

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCX-20A	2	Frame Screw
(GEE-3001)	1	Frame & Field Assembly
GAA-30	1	Terminal Post Bottom Ins.
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GCT-25	1	Insulating Bushing
GDU-29	2	Pole Piece
GEE-23	1	Lead Assembly
GAA-27	1	Terminal Post
X-947	1	Terminal
GEE-2005	1	FIELD COIL ASSY.- Comp.
GAA-27	1	Terminal Post
GEE-1007	1	Field Coil Assy.-Right
X-946	1	Terminal
GEE-1008	1	Field Coil - Left
GK-38	4	Pole Piece Screw
MN-21	2	Dowel Pin
8X-177	2	#14-24 Hex. Nut
X-193	2	#14 Lock Washer
8X-361	1	1/4 Plain Washer
8X-177	2	#14-24 Hex. Nut
X-193	2	#14 Lock Washer
X-199	2	1/4 Lock Washer

Comm. End Plate Assembly & Parts Used With

GEE-27	1	End Cap Cover Gasket
GEE-28	1	Comm. End Cap Cover
(GEE-3002)	1	Comm. End Plate Assembly
GAL-12†	2	Brush - Main
GAL-199	2	Brush Screw Block
GAL-205	2	3rd Brush Plate Retaining Spring
GAL-242	2	Brush Holder
GCX-19	2	Brush Spring
GDU-30	1	Lead Assembly
X-958	2	Terminal
GEE-1002	1	C. E. Plate Part Assy.
GEE-2213	1	3rd Brush Holder Plate Assembly
GAL-199	1	Brush Screw Block
GAL-242	1	Brush Holder
GAR-13†	1	Brush - Third
GAR-1213	1	3rd Brush Holder Plate Part Assembly
GCX-19	1	Brush Spring
8X-59	1	#8-32x3/16 Rd. Hd. Sc.
X-1276	1	#8 Skpf. Lock Washer
8X-1505	1	#8-32x9/16 Bdg. Hd.Sc.
8X-59	2	#8-32x3/16 Rd. Hd. Screw
8X-63	2	#8-32x3/8 Flat Hd. Screw
X-195	2	#8 Lock Washer
8X-304	1	#8-32x5/16 Rd. Hd. Screw
X-1276	1	#8 Skpf. Lock Washer
8X-1505	2	#8-32x9/16 Bdg. Hd. Sc.
GG-60	1	Spacer
8X-62	3	#10-32x3/8 Flat Hd. Screw
X-1501	1	BALL BEARING - Oil Seal
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GCX-2044	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GEE-4	1	Drive End Head
GEE-30	1	Noise Eliminator
X-1502	1	BALL BEARING - Oil Seal

Miscellaneous Parts

GEE-24	1	Head Band
8X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 5-20-41)

† SERVICE BRUSH SET GAL-2012A.

NOTE:- CBK-4001 CIRCUIT BREAKER is used with but is not a part of this generator.

UNIT	APPLICATION
GEE-4502	Wincharger Corp.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GEF-2001)	2	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term., Outer
GAL-44	1	Insulation, Field Connection
GBW-34	1	Washer, Ins., Field Term., Outer
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Field Term.
GEA-34	1	Insulation, Term. Post, Inner
GEF-1005	1	Coil Assy., Field, Comp.
GBW-58	1	Stud, Field Term.,#10-32
GEA-27	1	Stud, Arm. Term.,#14-24
GEA-30A	1	Lead Assy.
X-847	1	Terminal
GEF-1007	1	Coil, Left
GEF-1008	1	Coil, Right
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term., Hex., #14-24
12X-193	2	Lockwasher, Arm. Term., #14
12X-196	2	Lockwasher, Field Term.#10
8X-349	1	Washer, Plain, Field Term. #10
8X-361	1	Washer, Plain, Arm. Term. 1/4
8X-1377	2	Nut, Field Term., Hex., #10-32
GY-20	2	Bolt, Thru
12X-196	1	Lockwasher, Ground Sc., #10
12X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. Hd., #10-32x5/16

Comm. End Head Assembly & Parts Used With

GDZ-2002	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBW-69	1	Gasket, Comm. End Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Retaining
GBW-1012A†	2	Brush
GBW-1068	1	Cover, Comm. End
GDZ-1002A	1	Head Assy., Partial, C.E.
GBF-79	1	Bearing, Abs. Bronze
GBW-45	2	Spring, Brush
GCJ-26	2	Arm, Brush
12X-195	4	Lockwasher, C.E. Cover #8
8X-888	4	Screw, C.E. Cover, Fil. Hd., #8-32x5/16
X-195	2	Lockwasher, Brush Lead Sc., #8
8X-305	2	Screw, Brush Lead, Rd. Hd., #8-32x1/4
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21B	1	Nut, Armature Shaft
GCP-2006F	1	Armature Assy.
GAR-171	1	Snap Ring
GR-32	1	Retainer, Felt Washer
*	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
X-864	1	Lockwasher, Shaft

Drive End Head Assembly & Parts Used With

GDZ-1003	1	Head Assy., Drive End
GAR-63	2	Retainer, Felt Washer
GAR-64	2	Retainer, Bearing
GDZ-3	1	Head, Drive End
GG-164	2	Washer, Felt
8X-173	3	Nut, Bearing Retaining, Hex., #10-32
X-196	3	Lockwasher, Bearing Retaining, #10
X-295	1	Bearing, Ball, S.A.E. #203
X-489	1	Oiler, Hinge Top, Press in 1/4
8X-1003	3	Screw, Bearing Retaining, Rd. Hd., #10-32x7/8

Miscellaneous Parts

GBW-24B	1	Band, Cover
8X-715	1	Screw, Cover Band, Rd. Hd., #10-32x1/4
8X-794	1	Nut, Cover Band, Square, #10-32
		1 2 3 4 5

NOTE:- * Current-Voltage Regulator is used with but is not a part of this generator.

† Brush Set, Service GBW-2012AS.

Assembly No.	Pulley	Regulator
GEF-4801	None	VRS-4001B
GEF-4801A	SP-1299	VRS-4001B
GEF-4801AA	SP-1299	VRS-4004F
GEF-4801AN	SP-1299	VRS-4010A
GEF-4801B	SP-1311	VRS-4001B
GEF-4801C	SP-325	VRS-4001B
GEF-4801D	SP-1310	VRS-4010A
GEF-4801E	SP-1323A	VRS-4013A

Unit	Application
GEF-4801,A	Chrysler, DeSoto, Dodge, Plymouth
GEF-4801AA	Continental
GEF-4801AN	Kohler
GEF-4801B	Dodge Truck, Fargo
GEF-4801C	Fargo
GEF-4801D	Volvo (Export)
GEF-4801E	Climax

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

PRELIMINARY

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GEF-2031)	1	Frame & Field Assy.
GAA-32	1	Term. Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-66	1	Term. Post Bottom Ins.
GBW-67	1	Term. Post Bottom Ins.
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
GDZ-29	2	Pole Piece
GEF-1005	1	FIELD COIL ASSY.-Comp.
GBW-58	1	Terminal Post
GEA-27	1	Terminal Post
GEA-30	1	Lead Assembly
X-847	1	Terminal
GEF-1007	1	Field Coil - Left
GEF-1008	1	Field Coil - Right
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
3X-1377	1	#10-32 Hex. Nut
GY-20A	2	Frame Screw
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	2	#10 Lock Washer
X-199	2	1/4 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Sc.
8X-1377	1	#10-32 Hex. Nut

Comm. End Head Assembly & Parts Used With

DA-39	2	Flat Oil Guard
GAB-188	2	Felt Washer
GAR-83A	1	Comm. End Cap Cover
GBJ-25	1	End Cap Cover Gasket
GBW-2049	1	Comm. End Head Assy.
GBW-45	2	Brush Spring
GBW-1012At	2	Brush - Main
GCJ-26	2	Brush Arm
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Sc.
GR-32	1	Felt Washer Retainer
X-195	1	#8 Lock Washer
X-295	1	BALL BRG. - S.A.E. #203
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler-Press in Type
X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Sc.
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCP-2079F	1	ARMATURE ASSEMBLY
GAR-171	2	Snap Ring
GJ-320	1	Armature Shaft Nut
GR-32	1	Felt Washer Retainer
X-161	1	1/2-20 Hex. Nut
X-264	1	#9 Woodruff Key
X-1500	1	1/2 Skpf. Washer

Drive End Head Assembly & Parts Used With

GAR-1062B	1	Drive End Head Assy.
GAR-62A	1	Drive End Head
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-295	1	BALL BRG.-S.A.E. #203
X-489	1	1/4 Oiler-Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Sc.
X-1270	3	#10 Skpf. Washer

Miscellaneous Parts

GBW-1024F	1	Head Band Assy.
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 12-2-41)

Service BRUSH SET GBW-2012AS.

NOTE:- VRS-4004D CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GEF-4803	Wisconsin

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GEF-4804 GENERATOR PARTS LIST

GEF-4804
(Issued 8-22-51)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GEF-3033A)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term.
GBW-34	1	Washer, Ins., Field Term.
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Field Term.
GEA-34	1	Insulation, Term. Stud, Inner
GEF-1005	1	Coil Assy., Field, Complete
GEA-27	1	Stud, Arm. Term., #14-24
GEA-30A	1	Lead Assembly
X-847	1	Terminal
GEB-58	1	Stud, Field Term., #10-32
GEF-1007	1	Coil, Field, Left
GEF-1008	1	Coil, Field, Right
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term., Hex. #14-24
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-349	1	Washer, Plain, Field Term., #10
8X-361	1	Washer, Plain, Arm. Term 1/4
8X-1377	2	Nut, Field Term., Hex. #10-32
GY-20	2	Bolt, Thru
12X-196	1	Lockwasher, Ground Sc., #10
12X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

GEF-3002	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBW-69	1	Gasket, C.E. Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GBW-1068	1	Cover, Comm. End
GEF-1002A	1	Head Assy., Partial, C.E.
GBF-79	1	Bearing, Abs. Bronze
GBW-45	2	Spring, Brush
GCJ-26	2	Arm, Brush
GGU-1012†	2	Brush

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
X-195	4	Lockwasher, Cover Sc., #8
8X-888	4	Screw, C.E. Cover, Fill. Hd. #8-32x5/16
12X-195	2	Lockwasher, Lead Sc., #8
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

GAL-310	1	Spacer, Arm. Shaft
GCP-2081F	1	Armature
GK-174	1	Washer, Arm. Shaft, D.E., Plain 1/2
X-156	1	Nut, Arm. Shaft, D.E.
X-263	1	Key, Woodruff, #8
X-404	1	Pin, Cotter

Drive End Head Assy. & Parts Used With

GDF-1003C	1	Head Assy., Drive End
DB-17	1	Washer, Felt Retaining
GAR-95	1	Washer, Felt, Inner
GBC-25	1	Retainer, Felt Washer, Inner
GDF-3C	1	Head, Drive End
GG-164	1	Washer, Felt, Outer
GX-9	1	Retainer, Bearing
X-196	3	Lockwasher, Retainer Sc., #10
X-298	1	Bearing, Ball, S.A.E. #204
8X-311	3	Screw, Brg. Retainer, Rd. Hd. #10-32x3/8
X-489	1	Oiler

Miscellaneous Parts

GBW-24B	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† Brush Set, Service GGU-2012S.

NOTE: VRS-4004E Current-Voltage Regulator is used with but is not a part of this generator.

UNIT	APPLICATION
GEF-4804	Kermath (Marine)

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GEF-2001)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GBW-34	1	Washer, Ins., Field Term., Outer
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Field Term.
GDW-44	1	Washer, Ins., Arm. Term., Outer
GEA-34	1	Insulation, Term. Stud, Inner
GEF-1005	1	COIL ASSY., FIELD, COMP.
GEA-27	1	Stud, Arm. Term., #14-24
GEA-30A	1	Lead Assy.
X-847	1	Terminal
GEB-58	1	Stud, Field Term., #10-32
GEF-1007	1	Coil, Field, Left
GEF-1008	1	Coil, Field, Right
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term., Hex. #14-24
12X-193	2	Lockwasher, Arm. Term., #14
12X-196	2	Lockwasher, Field Term.,#10
8X-349	1	Washer, Plain, Field Term., #10
8X-361	1	Washer, Plain, Arm. Term., 1/4
8X-1377	2	Nut, Field Term., Hex. #10-32
GY-20	2	Bolt, Thru
12X-196	1	Lockwasher, Ground Sc., #10
12X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

GBW-2012AS	1	BRUSH SET, SERVICE
GDZ-2002S	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBW-69	1	Gasket, Comm. End Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Retaining
GBW-1068	1	Cover, Comm. End
GDZ-1002A	1	Head Assy., Partial, C.E.
GBF-79	1	Bearing, Abs. Bronze
GBW-45	2	Spring, Brush
GCJ-26	2	Arm, Brush
12X-195	4	Lockwasher, C.E. Cover Sc., #8
8X-888	4	Screw, C.E. Cover, Fill. Hd. #8-32x5/16
		1 2 3 4 5

Comm. End Head Assembly & Parts (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
12X-195	2	Lockwasher, Brush Lead Sc., #8
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Armature Shaft
GCP-2006F	1	ARMATURE ASSY.
GAR-171	1	Snap Ring
GR-32	1	Retainer, Felt Washer
*	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
12X-864	1	Lockwasher

Drive End Head Assembly & Parts Used With

GDZ-1075A	1	Head Assy., Drive End
GAR-63	2	Retainer, Felt Washer
GAR-64	2	Retainer, Bearing
GDZ-75A	1	Head, Drive End
GG-164	2	Washer, Felt
8X-173	3	Nut, Retainer Sc., Hex. #10-32
12X-196	3	Lockwasher, Retainer Sc. , #10
X-295	1	BEARING, BALL, S.A.E. #203
X-489	1	Oiler, Hinge Top, Press in, 1/4
8X-1003	3	Screw, Bearing Retainer, Rd. Hd. #10-32x7/8

Miscellaneous Parts

GBW-24B	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32
		1 2 3 4 5

Assembly No.	Pulley, Drive
GEF-4806	None
GEF-4806A	SP-610
GEF-4806B	SP-1299

* See table following parts list for part number applying to assembly wanted.

NOTE: VRS-4004F CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GEF-4806, A	Continental
GEF-4806B	D.W. Onan, Kermath

(Issued 4-19-48)

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GEF-2065)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Field Term., Outer
GCY-28A	1	Bushing, Ins., Arm. Term.
GEF-1005B	1	COIL ASSY., FIELD, COMPLETE
GEA-30E	1	Lead Assy.
X-847A	1	Terminal
GEF-1007A	1	Coil, Field, Left
GEF-1008B	1	Coil, Field, Right
GFL-27	1	Stud, Arm. Term., 5/16-24
GFL-31	1	Stud, Field Term., 1/4-28
GFL-23	1	Bushing, Ins., Field Term.
GFL-42	1	Insulation, Term. Stud, Inner
GK-38C	2	Screw, Pole Shoe
MN-21A	2	Pin, Dowel
MU-37G	1	Washer, Plain, Arm. Term., 5/16
SS-13	1	Washer, Ins., Arm. Term., Outer
12X-199	2	Lockwasher, Field Term., 1/4
19X-361	1	Washer, Plain, Field Term., 1/4
12X-1014	2	Lockwasher, Arm. Term., 5/16
8X-1649	2	Nut, Field Term., Hex. 1/4-28
8X-2843	2	Nut, Arm. Term., Hex. 5/16-24
GY-20B	2	Bolt, Thru
8X-20	1	Screw, Ground, Rd. Hd. #10-32x5/16
12X-196	1	Lockwasher, Ground Screw, #10
12X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

GDZ-2002F	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98C	1	Cover, Wick
GBW-69	1	Gasket, C.E. Cover
GBW-72A	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GBW-1068C	1	Cover, Comm. End
GDZ-1002K	1	Head Assy., Partial, C.E.
GBF-79	1	BEARING, ABS. BRONZE
GBW-45A	2	Spring, Brush
GCJ-26A	2	Arm, Brush
GEA-1012†	2	Brush

Comm. End Head Assy., (Continued)

Part No.	No. Used	Name of Part
12X-195	4	Lockwasher, Cover Sc., #8
8X-1754	4	Screw, Cover, Fill. Hd. #8-32x5/16
8X-10	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
12X-195	2	Lockwasher, Brush Lead Sc., #8

Armature Assembly & Parts Used With

*	1	Spacer, Arm. Shaft
GBM-21B	1	Nut, Arm. Shaft, D.E.
GCP-2006FM	1	ARMATURE ASSY.
GAR-171A	1	Snap Ring
GR-32B	1	Retainer, Felt Washer
*	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used

GDZ-1003C	1	Head Assy., Drive End
GAR-63A	2	Retainer, Felt Washer
GAR-64A	2	Retainer, Bearing
GDZ-3C	1	Head, Drive End
GG-164	2	Washer, Felt
8X-25	3	Screw, Retainer, Rd. Hd. #10-32x7/8
12X-196	3	Lockwasher, Retainer Sc., #10
X-295	1	BEARING, BALL, S.A.E. #203
X-489A	1	Oiler
8X-2853	3	Nut, Retainer, Sc., Hex. #10-32

Miscellaneous Parts

GBW-24L	1	Band, Cover
8X-2875	1	Nut, Cover Band, Square #10-32
8X-2882	1	Screw, Cover Band, Fill. Hd. #10-32x1 1/2

† BRUSH SET, SERVICE GEA-2012S.

NOTE: * CURRENT VOLTAGE REGULATOR is used with but is not a part of this generator.

* See table following parts list for part numbers applying to assembly wanted.

(Continued on reverse side)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GEF-4809AM,BM,M GENERATOR PARTS (Cont'd.)

Assembly No.	Spacer	Pulley	Regulator
GEF-4809AM	None	SP-757B	VRS-4102AM
GEF-4809BM	GAR-39A	SP-858	VRS-4102CM
GEF-4809M	None	None	VRS-4102AM

UNIT	APPLICATION
GEF-4809AM	Chrysler Marine
GEF-4809BM	Gray Marine
GEF-4809M	Chrysler Marine

(Issued 10-12-49)

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File in
Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name Of Part
		1 2 3 4 5
(GEF-3080)	1	Frame & Field Assembly
GAA-32	1	Washer, Ins., Field Term., Outer
GCY-28A	1	Bushing, Ins., Arm. Term.
GEF-1005B	1	COIL ASSY., FIELD, COMP.
GEA-30E	1	Lead Assy.
X-847A	1	Terminal
GEF-1007A	1	Coil, Field, Left
GEF-1008B	1	Coil, Field, Right
GFL-27	1	Stud, Arm. Term., 5/16-24
GFL-31	1	Stud, Field Term., 1/4-28
GFL-23	1	Bushing, Ins., Field Term.
GFL-42	1	Insulation, Term. Stud, Inner
GK-38C	2	Screw, Pole Shoe
MN-21A	2	Pin, Dowel
MU-37G	1	Washer, Plain, Arm. Term., 5/16
SS-13	1	Washer, Ins., Arm. Term., Outer
12X-199	2	Lockwasher, Field Term., 1/4
19X-361	1	Washer, Plain, Field Term., 1/4
12X-1014	2	Lockwasher, Arm. Term., 5/16
X-1649	2	Nut, Field Term., Hex. 1/4-28
X-2843	2	Nut, Arm. Term., Hex. 5/16-24
GY-20B	2	Bolt, Thru
X-20	1	Screw, Ground, Rd. Hd. #10-32x5/16
12X-196	1	Lockwasher, Ground Screw, #10
12X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

GDZ-3049A	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98C	1	Cover, Wick
GBW-69	1	Gasket, C.E. Cover
GBW-72A	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GBW-1012A†	2	Brush
GBW-1068C	1	Cover, Comm. End
GDZ-1049C	1	Head Assy., Partial, Comm. End
GBF-79	1	BEARING, ABSORBENT BRONZE
GBW-45A	2	Spring, Brush
		1 2 3 4 5

Comm. End Head Assy. (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCJ-26A	2	Arm, Brush
12X-195	4	Lockwasher, Cover Screw, #8
X-1754	4	Screw, Cover, Fil. Hd. #8-32x5/16
X-10	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
12X-195	2	Lockwasher, Brush Lead Sc., #8

Armature Assebmly & Parts Used With

*	1	Spacer, Arm Shaft
GBM-21B	1	Nut, Shaft, Hex., .669-20
GCP-2006FM	1	ARMATURE ASSY.
GAR-171A	1	Snap Ring
GR-32B	1	Retainer, Felt Washer
*	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
12X-864	1	Lockwasher, Shaft

Drive End Head Assembly & Parts Used With

GDZ-1050A	1	Head Assy., Drive End
GAR-63A	2	Retainer, Felt Washer
GAR-64A	2	Retainer, Bearing
GDZ-50A	1	Head, Drive End
GG-164	2	Washer, Felt
8X-25	3	Screw, Retainer, Rd. Hd. #10-32x7/8
12X-196	3	Lockwasher, Retainer Screw, #10
X-295	1	BEARING, BALL, S.A.E. #203
X-489A	1	Oiler, Hinge Top, Press in, 1/4
8X-2853	3	Nut, Retainer Screw, Hex. #10-32

Miscellaneous Parts

GBW-24L	1	Band, Cover
X-2873	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/4
X-2875	1	Nut, Cover Band, Square #10-32
		1 2 3 4 5

(Continued on Page 2)

(Issued 1-19-48)

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GEF-4810AM,BM,M GENERATOR PARTS LIST (Con't.)

* See table following parts list for part number applying to assembly wanted.

NOTE: - Part numbers shown in parenthesis are not recommended for service.

† BRUSH SET, SERVICE GBW-2012AS

NOTE: - * CURRENT VOLTAGE REGULATOR is used with but is not a part of this generator.

Assembly No.	Pulley	Spacer	Regulator
GEF-4810AM	SP-757B	None	VRS-4102AM
GEF-4810BM	SP-858	GAR-39A	VRS-4102CM
GEF-4810M	None	None	VRS-4102AM

UNIT	APPLICATION
GEF-4810AM	Chrysler, Marine
GEF-4810BM	Gray Marine
GEF-4810M	Chrysler Marine

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"NOTE: Where part num ers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GEF-2065)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Field Term. Outer
GCY-28A	1	Bushing, Ins., Arm. Term.
GEF-1005B	1	COIL ASSY., FIELD COMP.
GEA-30E	1	Lead Assy.
X-847A	1	Terminal
GEF-1007A	1	Coil, Field, Left
GEF-1008B	1	Coil, Field, Right
GFL-27	1	Stud, Arm. Term., 5/16-24
GFL-31	1	Stud, Field Term.,1/4-28
GFL-23	1	Bushing, Ins., Field Term.
GFL-42	1	Insulation, Term. Stud, Inner
GK-38C	2	Screw, Pole Shoe
MN-21A	2	Pin, Dowel
MU-37G	1	Washer, Plain Arm Term. 5/16
SS-13	1	Washer, Ins., Arm Term. Outer
12X-199	2	Lockwasher Field Term. 1/4
19X-361	1	Washer, Plain, Field Term. 1/4
12X-1014	2	Lockwasher Arm. Term. Stud, 5/16
8X-1649	2	Nut, Field Term. Hex. 1/4-28
8X-2843	2	Nut, Arm. Term. Stud, Hex., 5/16-24
GY-20B	2	Bolt, Thru
X-20	1	Screw, Ground Rd. Hd. #10-32x5/16
12X-196	1	Lockwasher, Ground Screw, #10
12X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

GDZ-2002D	1	Head Assy., Comm. End
GAR-73	1	Wick Felt
GAR-98C	1	Cover, Wick
GBW-69	1	Gasket, Comm. End Cover
GBW-72A	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GBW-1012A†	2	Brush
GBW-1068C	1	Cover, Comm. End
GDZ-1002K	1	Head Assy., Partial, C.E.
GBF-79	1	BEARING, ABS. BRONZE
GBW-45A	2	Spring, Brush
GCJ-26A	2	Arm, Brush
12X-195	4	Lockwasher, Cover Sc., #8
8X-1754	4	Screw, Cover, Fil. Hd., #8-32x5/16

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
X-10	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
12X-195	2	Lockwasher, Brush Lead Sc., #8

Armature Assembly & Parts Used With

GAR-39A	1	Spacer, Arm. Shaft
GBM-21B	1	Nut, Shaft, Hex., .669-20
GCP-2006FM	1	ARMATURE ASSY.
GAR-171A	1	Snap Ring
GR-32B	1	Retainer, Felt Washer
SP-858	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
12X-864	1	Lockwasher, Shaft

Drive End Head Assembly & Parts Used With

GEF-1003	1	Head Assy., Drive End
GAR-63A	2	Retainer, Felt Washer
GAR-64A	2	Retainer, Bearing
GEF-3	1	Head, Drive End
GG-164	2	Washer, Felt
8X-25	3	Screw, Retainer, Rd. Hd. #10-32x7/8
12X-196	3	Lockwasher, Retainer Sc., #10
X-295	1	BEARING, BALL, S.A.E. #203
X-489A	1	Oiler, Hinge Top, Press In, 1/4
8X-2853	3	Nut, Retainer, Hex., #10-32

Miscellaneous Parts

GBW-24L	1	Band, Cover
X-2873	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/4
X-2875	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GBW-2012AS.

NOTE: VRS-4102CM CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GEF-4811AM	Gray Marine

(Issued 8-24-48)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GEF-2001	1	Frame & Field Assy.
GBW-34	1	Washer, Ins., Field Term., Outer
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Field Term.
GDW-44	1	Washer, Ins., Arm. Term. Outer
GEA-34	1	Insulation, Term. Stud, Inner
GEF-1005	1	COIL ASSY., FIELD, COMPLETE
GEA-27	1	Stud, Arm. Term., #14-24
GEA-30G	1	Lead Assembly
X-847	1	Terminal
GEB-58	1	Stud, Field Term., #10-32
GEF-1007	1	Coil, Field, Left
GEF-1008	1	Coil, Field, Right
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term., Hex. #14-24
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-349	1	Washer, Plain, Field Term. #10
8X-361	1	Washer, Plain, Arm. Term. 1/4
8X-1377	2	Nut, Field Term., Hex. #10-32
GY-20	2	Bolt, Thru
12X-196	1	Lockwasher, Ground Screw, #10
12X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

GBW-2012AS	1	BRUSH SET, SERVICE
GDZ-2070S	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBM-126	1	Packing
GBW-30E	1	Cover, Comm. End
GBW-69	1	Gasket, C. E. Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GDZ-1070A	1	Head Assy., Partial, C. E.
GBF-79	1	BEARING, ABS. BRONZE
GBW-45	2	Spring, Brush
GCJ-26	2	Arm, Brush

Comm. End Head Assembly (Cont.)

Part No.	No. Used	Name of Part
12X-195	4	Lockwasher, Cover Sc., #8
8X-888	4	Screw, Cover, Fill. Hd. #8-32x5/16
X-2961	1	Oiler
12X-195	2	Lockwasher, Lead Sc., #8
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

*	1	Nut, Arm. Shaft, D.E.
GCP-2006F	1	ARMATURE ASSY.
GAR-171	1	Snap Ring
*	1	Spacer, Shaft
GR-32	1	Retainer, Felt Washer
*	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

GEF-1016	1	Head Assy., Drive End
GBM-124	1	Gasket, Bearing Retainer
GBM-125	1	Retainer, Felt Washer, Inner
GBM-127	1	Retainer, Bearing
GBM-128	1	Retainer, Felt Washer, Outer
GEF-16	1	Head, Drive End
GG-164A	2	Washer, Felt
GGW-52	3	Screw, Retainer, Rd. Hd. #10-32x1/2
12X-196	3	Lockwasher, Retainer Sc., #10
X-441	1	BEARING, BALL, S.A.E. #203
X-2961	1	Oiler

Miscellaneous Parts

*	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

NOTE: CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

* See table on reverse page for part number applying to assembly wanted.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GEF-4813A, AN, B, C, D, S GENERATOR PARTS (Cont.)

Assembly No.	Nut	Pulley	Spacer	Cover Band	Regulator
GEF-4813A	GBM-21B	SP-835A	None	GBW-1024R	VRS-5201AX
GEF-4813AN	GBM-21B	SP-835A	None	GBW-1024R	VRS-5010C
GEF-4813B	GBM-21B	SP-854A	GEG-31	GBW-1024R	VRS-5201AX
GEF-4813C	SP-357A	SP-925	None	GEF-1024	VRS-5201AX
GEF-4813D	GBM-21B	SP-700	None	GBW-1024R	VRS-5201AX
GEF-4813S	GBM-21B	None	GEG-31	GBW-1024R	VRS-5201AX

UNIT	APPLICATION
GEF-4813A	Continental, Buda
GEF-4813AN	Towmotor
GEF-4813B	Buda, Cockshutt
GEF-4813C	Massey-Harris
GEF-4813D	Sheppard
GEF-4813S	Sheppard

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
	1 2 3 4 5	
(GEF-2065)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Field Term., Outer
GCY-28A	1	Bushing, Ins., Arm. Term.
GEF-1005B	1	COIL ASSY., FIELD COMP.
GEA-30E	1	Lead Assy.
X-847A	1	Terminal
GEF-1007A	1	Coil, Field, Left
GEF-1008B	1	Coil, Field, Right
GFL-27	1	Stud, Arm. Term., 5/16-24
GFL-31	1	Stud, Field Term., 1/4-28
GFL-23	1	Bushing, Ins., Field Term.
GFL-42	1	Insulation, Term. Stud, Inner
GK-38C	2	Screw, Pole Shoe
MN-21A	2	Pin, Dowel
MU-37G	1	Washer, Plain, Arm. Term., 5/16
SS-13	1	Washer, Ins., Arm. Term., Outer
12X-199	2	Lockwasher, Field Term., 1/4
19X-361	1	Washer, Plain, Field Term., 1/4
12X-1014	2	Lockwasher, Arm. Term., 5/16
8X-1649	2	Nut, Field Term., Hex., 1/4-28
8X-2843	3	Nut, Arm. Term., Hex., 5/16-24
GY-20B	2	Bolt, Thru
X-20	1	Screw, Ground, Rd. Hd. #10-32x5/16
12X-196	1	Lockwasher, Ground Screw, #10
12X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

GDZ-2094	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98C	1	Cover, Wick
GBW-69	1	Gasket, C.E. Cover
GBW-72A	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GBW-1012A†	2	Brush
GBW-1068C	1	Cover, Comm. End
	1 2 3 4 5	

Comm. End Head Assembly Continued

Part No.	No. Used	Name of Part
	1 2 3 4 5	
GDZ-1094A	1	Head Assy., Partial, C.E.
GBF-79	1	BEARING, ABS. BRONZE
GBW-45A	2	Spring, Brush
GCJ-26A	2	Arm, Brush
12X-195	4	Lockwasher, Cover Sc., #8
X-1754	4	Screw, Cover, Fil. Hd., #8-32x5/16
X-10	2	Screw, Brush Lead, Rd. Hd., #8-32x1/4
12X-195	2	Lockwasher, Brush Lead Sc.,#8

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Shaft, Hex., .669-20
GCP-2006FM	1	ARMATURE ASSY.
GAR-171A	1	Snap Ring
*	1	Spacer Shaft
GR-32B	1	Retainer, Felt Washer
*	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
12X-864	1	Lockwasher, Shaft, .669

Drive End Head Assembly & Parts Used With

GDZ-1064	1	Head Assy., Drive End
GAM-34A	1	Retainer, Felt Washer, Outer
GAR-63A	1	Retainer, Felt Washer, Inner
GAR-64A	1	Retainer, Bearing
GDZ-64	1	Head
GG-164	2	Washer, Felt
8X-21	3	Screw, Retainer, Rd. Hd., #10-32x3/8
12X-196	3	Lockwasher, Retainer Sc.,#10
X-295	1	BEARING, BALL, S.A.E. #203
X-489A	1	Oiler, Hinge Top, Press in, 1/4

Miscellaneous Parts

GBW-24L	1	Band, Cover
X-2873	1	Screw, Cover Band, Rd. Hd., #10-32x1 1/4
X-2875	1	Nut, Cover Band, Square, #10-32
	1 2 3 4 5	

† GBW-2012AS BRUSH SET, SERVICE.

NOTE: - * CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

* See table following parts list for part number applying to assembly wanted.

Assembly No.	Pulley	Spacer	Regulator
GEF-4814AM	SP-843	None	VRS-4102BM
GEF-4814BM	SP-881	GEG-31A	VRS-4102EM

UNIT	APPLICATION
GEF-4814AM	Chrysler (Marine)
GEF-4814BM	Packard (Marine)

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GEF-4815AM,BM GENERATOR PARTS LIST GEF-4815AM,BM

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
	1 2 3 4 5	
(GEF-3080)	1	Frame & Field Assy
GAA-32	1	Washer, Ins., Field Term., Outer
GCY-28A	1	Bushing, Ins., Arm. Term.
GEF-1005B	1	COIL ASSY., FIELD COMP.
GEA-30E	1	Lead Assy.
X-847A	1	Terminal
GEF-1007A	1	Coil, Field Left
GEF-1008B	1	Coil, Field, Right
GFL-27	1	Stud, Arm. Term., 5/16-24
GFL-31	1	Stud, Field Term.,1/4-28
GFL-23	1	Bushing, Ins., Field Term.
GFL-42	1	Insulation, Term. Stud,Inner
GK-38C	2	Screw, Pole Shoe
MN-21A	1	Pin, Dowel
MU-37G	1	Washer, Plain, Arm. Term. 5/16
SS-13	1	Washer, Ins. Arm Term., Outer
12X-199	2	Lockwasher, Field Term 1/4
19X-361	1	Washer, Plain, Field Term., 1/4
12X-1014	2	Lockwasher, Arm. Term., 5/16
8X-1649	2	Nut, Field Term., Hex., 1/4-28
8X-2843	2	Nut, Arm. Term., Hex., 5/16-24
GY-20B	2	Bolt, Thru
X-20	1	Screw, Ground Rd. Hd., #10-32x5/16
12X-196	1	Lockwasher, Ground Screw,#10
12X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

GDZ-3095	1	Head Assembly, Comm. End
GAR-73	1	Wick Felt
GAR-98C	1	Cover, Wick
GBW-69	1	Gasket, Comm. End Cover
GBW-72A	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GBW-1012A†	2	Brush
GBW-1068C	1	Cover, Comm. End
	1 2 3 4 5	

Comm. End Head Assembly Continued

Part No.	No. Used	
	1 2 3 4 5	
GDZ-1095A	1	Head Assy., Partial, C.E.
GBF-79	1	BEARING, ABS; BRONZE
GBW-45A	2	Spring, Brush
GCJ-26A	2	Arm, Brush
12X-195	4	Lockwasher, C.E. Cover,#8
X-1754	4	Screw, C. E. Cover, Fil. Hd., #8-32x5/16
X-10	2	Screw, Brush Lead, Rd. Hd., #8-32x1/4
12X-195	2	Lockwasher, Brush Lead Sc.,#8

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Shaft Hex., .669-20
GCP-2006FM	1	ARMATURE ASSY.
GAR-171A	1	Snap Ring
*	1	Spacer, Shaft
GR-32B	1	Retainer, Felt Washer
*	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
12X-864	1	Lockwasher, Shaft, .669

Drive End Head Assembly & Parts Used With

GAL-1336A	1	Head Assy., Drive End
GAL-336A	1	Head
GAM-34A	1	Retainer, Felt Washer, Outer
GAR-63A	1	Retainer, Felt Washer, Inner
GAR-64A	1	Retainer, Bearing
GG-164	2	Washer, Felt
X-21	3	Screw, Retainer, Rd. Hd., #10-32x3/8
12X-196	3	Lockwasher, Retainer Sc.,#10
X-295	1	BEARING, BALL, S.A.E. #203
X-489A	1	Oiler, Hinge Top, Press in, 1/4

Miscellaneous Parts

GBW-24L	1	Band, Cover
X-2873	1	Screw,Cover Band, Rd. Hd., #10-32x1 1/4
X-2875	1	Nut, Cover Band, Square, #10-32
	1 2 3 4 5	

† GBW-2012AS BRUSH SET, SERVICE.

NOTE: - * CURRENT-VOLTAGE REGULATOR is used with but is not a part of this Generator

* See table following parts list for part number applying to assembly wanted.

Assembly No.	Pulley	Spacer	Regulator
GEF-4815AM	SP-843	None	VRS-4102BM
GEF-4815BM	SP-881	GEG-31A	VRS-4102EM

UNIT	APPLICATION
GEF-4815AM	Chrysler (Marine)
GEF-4815BM	Packard (Marine)

(Issued 10-22-47)

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GEF-2104	1	Frame & Field Assembly
GBW-34	1	Washer, Ins., Field Term., Outer
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Field Term.
GDW-44	1	Washer, Ins., Arm. Term., Outer
GEA-34	1	Insulation, Term. Stud, Inner
GEF-1005	1	COIL ASSY., FIELD, COMPLETE
GEA-27	1	Stud, Arm. Term., #14-24
GEA-30G	1	Lead Assembly
X-847	1	Terminal
GEB-58	1	Stud, Field Term., #10-32
GEF-1007	1	Coil, Field, Left
GEF-1008	1	Coil, Field, Right
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term., Hex. #14-24
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-349	1	Washer, Plain, Field Term., #10
8X-361	1	Washer, Plain, Arm. Term., 1/4
8X-1377	2	Nut, Field Term., Hex. #10-32
GY-20	2	Bolt, Thru
12X-196	1	Lockwasher, Ground Screw, #10
12X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

GBW-2012AS	1	BRUSH SET, SERVICE
GDZ-2067AS	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBW-69	1	Gasket, Comm. End Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GBW-1068	1	Cover, Comm. End
GDZ-1067A	1	Head Assy., Partial, Comm. End
GBF-79	1	BEARING, ABS. BRONZE
GBW-45	2	Spring, Brush
GCJ-26	2	Arm, Brush

Comm. End Head Assy. (Cont.)

Part No.	No. Used	Name of Part
12X-195	4	Lockwasher, Cover Sc., #8
X-888	4	Screw, Cover, Fill. Hd. #8-32x5/16
12X-195	2	Lockwasher, Lead Sc., #8
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

GCP-2104F	1	ARMATURE ASSY.
GAR-171	1	Snap Ring
GJ-104	1	Spacer, Arm. Shaft
GJ-179	1	Washer, Armature Shaft, Plain
8X-160	1	Nut, Shaft, D.E., Hex. 7/16-20
12X-205	1	Lockwasher, Shaft, D.E., 7/16
X-261	1	Key, Woodruff, D.E., #6

Drive End Head Assembly & Parts Used With

GAL-1063C	1	Head Assy., Drive End
GAL-63B	1	Head, Drive End
GG-6	2	Retainer, Bearing
GG-164	1	Washer, Felt
GK-176	1	Retainer, Felt Washer
8X-173	3	Nut, Retainer Screw, Hex. #10-32
12X-196	3	Lockwasher, Retainer Sc., #10
X-295	1	BEARING, BALL, S.A.E. #203
8X-316	3	Screw, Retainer, Rd. Hd. #10-32x3/4
X-489	1	Oiler

Miscellaneous Parts

GBW-24J	1	Band, Cover
8X-714	1	Screw Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

NOTE: VRS-4004G CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GEF-4816	Kermath, National Supply

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GEF-2001)	1	Frame & Field Assy.
GBW-34	1	Washer, Ins., Field Term., Outer
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Field Term.
GDW-44	1	Washer, Ins., Arm. Term., Outer
GEA-34	1	Insulation, Term. Stud, Inner
GEF-1005	1	COIL ASSY., FIELD, COMPLETE
GEA-27	1	Stud, Arm. Term., #14-24
GEA-30A	1	Lead Assembly
X-847	1	Terminal
GEB-58	1	Stud, Field Term., #10-32
GEF-1007	1	Coil, Field, Left
GEF-1008	1	Coil, Field, Right
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term., Hex. #14-24
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-349	1	Washer, Field Term. Plain #10
8X-361	1	Washer, Arm. Term., Plain, 1/4
8X-1377	2	Nut, Field Term., Hex. #10-32
GY-20	2	Bolt, Thru
12X-196	1	Lockwasher, Ground Screw, #10
12X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

GDZ-2097	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBM-126	1	Packing
GBW-30E	1	Cover, Comm. End
GBW-69	1	Gasket, C.E. Cover
GBW-72	1	Oil Guard

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
GBW-73	1	Gasket, Oil Guard
GDZ-1097A	1	Head Assy., Partial, C.E.
GBF-79	1	BEARING, ABS. BRONZE
GBW-45	2	Spring, Brush
GCJ-26	2	Arm, Brush
GGU-1012†	2	Brush
12X-195	4	Lockwasher, Cover Sc., #8
8X-888	4	Screw, Cover, Fill. Hd. #8-32x5/16
X-2961	1	Oiler
12X-195	2	Lockwasher, Brush Lead, Sc., #8
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm. Shaft, D.E.
GCP-2006F	1	ARMATURE ASSY.
GAR-171	1	Snap Ring
GJ-104B	1	Spacer, Arm. Shaft, D.E.
GR-32	1	Retainer, Felt Washer
X-260	1	Key, Woodruff, #5
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

GDZ-1064A	1	Head Assy., Drive End
GBM-124	1	Gasket, Brg. Retainer
GBM-125	1	Retainer, Felt Washer, Inner
GBM-127	1	Retainer, Bearing
GBM-128	1	Retainer, Felt Washer, Outer
GDZ-64A	1	Head, Drive End
GG-164A	2	Washer, Felt
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
12X-196	3	Lockwasher, Retainer Sc., #10
X-441	1	BEARING, BALL, S.A.E. #203
X-2961	1	Oiler

Miscellaneous Parts

GBW-1024R	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

(Continued on Reverse Side)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GEF-4819S GENERATOR PARTS (Cont.)

† BRUSH SET, SERVICE GGU-2012S.

NOTE: VRS-5010C CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GEF-4819S	Hercules, F.G. Hough

Printed in U. S. A.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GGG-2030)	1	Frame & Field Assy.
GBW-66A	1	Insulation, Field Term., Inner
GDW-22A	1	Insulation, Arm. Term., Inner
GDW-44	1	Washer, Ins. Field Term., Outer
GEF-1005C	1	COIL ASSY., FIELD, COMP
GEA-30E	1	Head Assy.
X-847A	1	Terminal
GEF-1007A	1	Coil, Field, Left
GEF-1008C	1	Coil, Field, Right
GFL-27	1	Stud, Term., 5/16-24
GFL-31	1	Stud, Term., 1/4-28
GGE-33	1	Bushing, Ins., Arm. Term.
GGE-34	1	Bushing, Ins., Field Term.
GGE-35	1	Washer, Ins., Arm. Term., Outer
GK-38C	2	Screw, Pole Shoe
MN-21A	2	Pin, Dowel
MU-37G	1	Washer, Plain, Arm. Term.
X-180	2	Nut, Arm. Term., Hex. Hd. 5/16-24
12X-199	2	Lockwasher Field Term., 1/4
19X-361	1	Washer, Plain, Field Term., 1/4
12X-1014	2	Lockwasher, Arm. Term., 5/16
X-2903	2	Nut, Field Term., Hex. Hd. 1/4-28
GY-20B	2	Bolt, Thru
12X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

GGE-2002	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98C	1	Cover, Wick
GBW-69	1	Gasket, C.E. Cover
GBW-72A	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GBW-1012A†	2	Brush
GBW-1068C	1	Cover, Comm.End
GGE-1002A	1	Head Assy., Partial, C.E.
GBF-79	1	BEARING, ABS. BRONZE
GBW-45A	2	Spring, Brush
GCJ-26A	2	Arm, Brush
12X-195	4	Lockwasher, Cover Screw #8
8X-1754	4	Screw, Cover, Fil. Hd. #8-32x5/16
8X-10	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
12X-195	2	Lockwasher, Brush Lead Sc.,#8
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCP-2052FM	1	ARMATURE
GDZ-1085	1	Oil Thrower

Drive End Head Assembly & Parts Used With

GGE-1003	1	Head Assy., Drive End
GAR-95	1	Washer, Felt
GGE-3	1	Head
GX-9A	1	Retainer, Bearing
GX-10	1	Gasket, Brg. Retainer
8X-21	3	Screw, Retainer, Rd. Hd. #10-32x3/8
12X-196	3	Lockwasher, Retainer Sc., #10
X-378	1	BEARING, BALL, SHIELDED, S.A.E. #204
X-489A	1	Oiler, Hinge Top, Press in, 1/4

Miscellaneous Parts

GBW-1024N	1	Band, Cover
8X-2873	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/4
8X-2875	1	Nut, Cover Band, Square #10-32
		1 2 3 4 5

† BRUSH SET, SERVICE, GBW-2012AS.

NOTE: - VRS-4102BM CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GEF-4901M	Chrysler (Marine)

(Issued 1-19-48)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GEF-4902M GENERATOR PARTS LIST GEF-4902M

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GGG-3031)	1	Frame & Field Assy.
GBW-66A	1	Insulation, Field Term., Inner
GDW-44	1	Washer, Ins., Field Term., Outer
GEF-1005C	1	COIL ASSY., FIELD, COMP.
GEA-30E	1	Lead Assy.
X-847A	1	Terminal
GEF-1007A	1	Coil, Field, Left
GEF-1008C	1	Coil, Field, Right
GFL-27	1	Stud, Term., 5/16-24
GFL-31	1	Stud, Term., 1/4-28
GDW-22A	1	Insulation, Arm. Term., Inner
GGE-33	1	Bushing, Ins., Arm. Term.
GGE-34	1	Bushing, Ins., Field Term.
GGE-35	1	Washer, Ins., Arm. Term., Outer
GK-38C	2	Screw, Pole Shoe
MN-21A	2	Pin, Dowel
MU-37G	1	Washer, Plain, Arm. Term.
X-180	2	Nut, Arm. Term., Hex. 5/16-24
12X-199	2	Lockwasher, Field Term., 1/4
19X-361	1	Washer, Plain, Field Term., 1/4
12X-1014	2	Lockwasher, Arm. Term., 5/16
X-2903	2	Nut, Field Term., Hex. 1/4-28
GY-20B	2	Bolt, Thru
12X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

GGE-3004	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98C	1	Cover, Wick
GBW-69	1	Gasket, C.E. Cover
GBW-72A	1	Oil Guard
GBW-78	1	Gasket, Oil Guard
GBW-1012A†	2	Brush
GBW-1068C	1	Cover, Comm. End
GGE-1004A	1	Head Assy., Partial, Comm. End
GBF-79	1	BEARING, ABS. BRONZE
GBW-45A	1	Spring, Grounded Brush
GCJ-26A	1	Arm, Grounded Brush
GDZ-1084	1	Holder Assy., Ins. Brush
GBW-45A	1	Spring, Brush
GCJ-26A	1	Arm, Brush
		1 2 3 4 5

Comm. End Head Assembly (Con't.)

Part No.	No. Used	Name of Part
		1 2 3 4 5
12X-195	2	Lockwasher, Br. Holder Screw, #8
19X-304	2	Screw, Brush Holder, Rd. Hd. #8-32x5/16
12X-195	4	Lockwasher, Cover Sc., #8
8X-1754	4	Screw, Cover, Fil. Hd. #8-32x5/16
8X-10	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
12X-195	2	Lockwasher, Brush Lead, Screw, #8

Armature Assembly & Parts Used With

GCP-2052FM	1	ARMATURE
GDZ-1085	1	Oil Thrower

Drive End Head Assembly & Parts Used With

GGE-1003	1	Head Assy., Drive End
GAR-95	1	Washer, Felt
GGE-3	1	Head
GX-9A	1	Retainer, Bearing
GX-10	1	Gasket, Brg. Retainer
8X-21	3	Screw, Retainer, Rd. Hd. #10-32x3/8
12X-196	3	Lockwasher, Retainer Screw, #10
X-378	1	BEARING, BALL, SHIELDED S.A.E. #204
X-489A	1	Oiler, Hinge Top, Press in, 1/4

Miscellaneous Parts

GBW-1024N	1	Band, Cover
8X-2873	1	Screw, Cover Band, Rd. Hd., #10-32x1 1/4
8X-2875	1	Nut, Cover Band, Square, #10-32
		1 2 3 4 5

† BRUSH SET, SERVICE, GBW-2012AS

NOTE: - VRS-4102BM CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GEF-4902M	Chrysler (Marine)

(Issued 1-19-48)

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GGG-2030	1	Frame & Field Assy.
GBW-66A	1	Insulation, Field Term., Inner
GDW-22A	1	Insulation, Arm. Term., Inner
GDW-44	1	Washer, Ins., Field Term.
GEF-1005C	1	COIL ASSY., FIELD, COMPLETE
GEA-30E	1	Lead Assembly
X-847A	1	Terminal
GEF-1007A	1	Coil, Field, Left
GEF-1008C	1	Coil, Field, Right
GFL-27	1	Stud, Arm. Term. 5/16-24
GFL-31	1	Stud, Field Term., 1/4-28
GGE-33	1	Bushing, Ins., Arm. Term.
GGE-34	1	Bushing, Ins., Field Term.
GGE-35	1	Washer, Ins., Arm. Term.
GK-38C	2	Screw, Pole Shoe
MN-21A	2	Pin, Dowel
MU-37G	1	Washer, Plain, Arm. Term 5/16
X-180	2	Nut, Arm. Term., Hex. 5/16-24
12X-199	2	Lockwasher, Field Term., 1/4
19X-361	1	Washer, Plain, Field Term., 1/4
12X-1014	2	Lockwasher, Arm. Term., 5/16
X-2903	2	Nut, Field Term., Hex. 1/4-28
GY-20B	2	Bolt, Thru
X-20	1	Screw, Ground, Rd. Hd. #10-32x5/16
12X-196	1	Lockwasher, Ground Screw, #10
12X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

GGE-2002S	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98C	1	Cover, Wick
GBW-69	1	Gasket, C.E. Cover
GBW-72A	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GBW-1068C	1	Cover, Comm. End
GGE-1002A	1	Head Assy., Partial, C.E.

Comm. End Head Assembly (Cont.)

Part No.	No. Used	Name of Part
GBF-79	1	BEARING, ABS. BRONZE
GBW-45A	2	Spring, Brush
GCJ-26A	2	Arm, Brush
12X-195	4	Lockwasher, Cover Sc., #8
8X-1754	4	Screw, Cover, Fill. Hd. #8-32x5/16
GGU-2012S	1	BRUSH SET, SERVICE
X-10	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
12X-195	2	Lockwasher, Lead Sc., #8

Armature Assembly & Parts Used With

GCP-2105FM	1	ARMATURE
GDZ-1085	1	Oil Thrower

Drive End Head Assembly & Parts Used With

GGE-1003	1	Head Assy., Drive End
GAR-95	1	Washer, Felt
GGE-3	1	Head, Drive End
GX-9A	1	Retainer, Bearing
GX-10	1	Gasket, Brg. Retainer
8X-21	3	Screw, Retainer, Rd. Hd. #10-32x3/8
12X-196	3	Lockwasher, Retainer Sc., #10
X-378	1	BEARING, BALL, SHIELDED S.A.E. #204
X-489A	1	Oiler

Miscellaneous Parts

GBW-1024N	1	Band, Cover
X-2875	1	Nut, Cover Band, Square #10-32
X-2882	1	Screw, Cover Band, Fill. Hd. #10-32x1 1/2

NOTE: VRS-4102BM CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GEF-4903M	Chrysler Marine

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GGG-3031	1	Frame & Field Assy.
GBW-66A	1	Insulation, Field Term., Inner
GDW-22A	1	Insulation, Arm. Term., Inner
GDW-44	1	Washer, Ins., Field Term.
GEF-1005C	1	COIL ASSY., FIELD, COMPLETE
GEA-30E	1	Lead Assembly
X-847A	1	Terminal
GEF-1007A	1	Coil, Field, Left
GEF-1008C	1	Coil, Field, Right
GFL-27	1	Stud, Arm. Term., 5/16-24
GFL-31	1	Stud, Field Term., 1/4-28
GGE-33	1	Bushing, Ins., Arm. Term.
GGE-34	1	Bushing, Ins., Field Term.
GGE-35	1	Washer, Ins., Arm. Term.
GK-38C	2	Screw, Pole Shoe
MN-21A	2	Pin, Dowel
MU-37G	1	Washer, Plain, Arm. Term., 5/16
X-180	2	Nut, Arm. Term., Hex. 5/16-24
12X-199	2	Lockwasher, Field Term., 1/4
19X-361	1	Washer, Plain, Field Term., 1/4
12X-1014	2	Lockwasher, Arm. Term., 5/16
X-2903	2	Nut, Field Term., Hex. 1/4-28
GY-20B	2	Bolt, Thru
X-20	1	Screw, Ground, Rd. Hd. #10-32x5/16
12X-196	1	Lockwasher, Ground Screw, #10
12X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

GGE-3004S	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98C	1	Cover, Wick
GBW-69	1	Gasket, C.E. Cover
GBW-72A	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GBW-1068C	1	Cover, Comm. End
GGE-1004A	1	Head Assy., Partial, C.E.
GBF-79	1	BEARING, ABS. BRONZE
GBW-45A	1	Spring, Grounded Brush

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
GCJ-26A	1	Arm, Grounded Brush
GDZ-1084	1	Holder Assy., Ins. Brush
GBW-45A	1	Spring, Brush
GCJ-26A	1	Arm, Brush
12X-195	2	Lockwasher, Holder Screw, #8
19X-304	2	Screw, Br. Holder, Rd. Hd. #8-32x5/16
12X-195	4	Lockwasher, Cover Sc. #8
8X-1754	4	Screw, Cover, Fill. Hd. #8-32x5/16
GGU-2012S	2	BRUSH SET, SERVICE
X-10	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
12X-195	2	Lockwasher, Lead Sc., #8

Armature Assembly & Parts Used With

GCP-2105FM	1	ARMATURE
GDZ-1085	1	Oil Thrower

Drive End Head Assembly & Parts Used With

GGE-1003	1	Head Assy., Drive End
GAR-95	1	Washer, Felt
GGE-3	1	Head, Drive End
GX-9A	1	Retainer, Bearing
GX-10	1	Gasket, Brg. Retainer
8X-21	3	Screw, Retainer, Rd. Hd. #10-32x3/8
12X-196	3	Lockwasher, Retainer Sc., #10
X-378	1	BEARING, BALL, SHIELDED, S.A.E. #204
X-489A	1	Oiler

Miscellaneous Parts

GBW-1024N	1	Band, Cover
X-2875	1	Nut, Cover Band, Square #10-32
X-2882	1	Screw, Cover Band, Fill. Hd. #10-32x1 1/2

NOTE: VRS-4102BM CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GEF-4904M	Chrysler Marine

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GHC-2001	1	Frame & Field Assy.
GDW-44	1	Washer, Ins., Arm. Term.
GGU-30	1	Washer, Ins., Field Term.
GGU-31	1	Washer, Plain, Field Term.
GGU-32	2	Bushing, Ins., Term. Stud
GHC-1005	1	COIL ASSY., FIELD COMPLETE
GGU-27	1	Stud, Field Term., #10-32
GGU-28	1	Stud, Arm. Term., 1/4-28
GHC-40	1	Lead Assembly
X-847	1	Terminal
GHC-1007	1	Coil, Field, Left
GHC-1008	1	Coil, Field, Right
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term.
12X-196	2	Lockwasher Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
3X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
GK-20A	2	Bolt, Thru
12X-196	1	Lockwasher, Ground Sc., #10
12X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

GGU-2012S	1	BRUSH SET, SERVICE
GGY-2017S	1	Head Assy., Comm. End
GAL-40C	1	Cover, Bearing, C.E.
GCJ-26	2	Arm, Brush
GGU-38A	1	BEARING, ABS. BRONZE
GGW-41	1	Wick, Felt
GGY-45	2	Spring, Brush
X-489	1	Oiler
12X-195	2	Lockwasher, Lead Sc., #8
8X-305	2	Screw Brush Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

GAR-1177	1	Oil Thrower
GEF-2018F	1	ARMATURE
GFY-38	1	Washer, Shaft, D.E., Plain 1/2
X-156	1	Nut, Arm. Shaft, D.E.
X-263	1	Key, Woodruff, #8
X-404	1	Pin, Cotter

Drive End Head Assembly & Parts Used With

Part No.	No. Used	Name of Part
GAR-1096B	1	Head Assy., Drive End
GAR-95	1	Washer, Felt
GAR-96B	1	Head, D.E.
GX-9	1	Retainer, Bearing
GX-10	1	Gasket
12X-196	3	Lockwasher, Retainer Sc., #10
8X-311	3	Screw, Retainer, Rd. Hd. #10-32x3/8
X-378	1	BEARING, BALL, SHIELDED, S.A.E. #204

Miscellaneous Parts

GBW-1024LS	1	Band, Cover
X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

NOTE: VRS-5201AX CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GEF-5001	Nordberg (Marine)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking su -parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GHC-3001A	1	Frame & Field Assy.
GDW-44	1	Washer, Ins., Arm. Term.
GGU-30	1	Washer, Ins., Field Term.
GGU-31	1	Washer, Plain, Field Term.
GGU-32	2	Bushing, Ins., Term. Stud
GHC-2005	1	COIL ASSY., FIELD, COMPLETE
GEA-30J	1	Lead Assy.
X-847	1	Terminal
GGU-27	1	Stud, Field Term., #10-32
GGU-28	1	Stud, Arm. Term., 1/4-28
GHC-1007	1	Coil, Field, Left
GHC-1008	1	Coil, Field, Right
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term.
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
GK-20A	2	Bolt, Thru
12X-196	1	Lockwasher, Ground Sc., #10
12X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

GGU-2012S	1	BRUSH SET, SERVICE
GGY-3080AS	1	Head Assy., Comm. End
GAL-40C	1	Cover, Bearing, C.E.
GCJ-26	2	Arm, Brush
GGU-38A	1	BEARING, ABS. BRONZE
GGW-41	1	Wick, Felt
GGY-45	2	Spring, Brush
X-489	1	Oiler
12X-195	2	Lockwasher Lead Sc., #8
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GAR-1177	1	Oil Thrower
GEF-2018F	1	ARMATURE
GFY-38	1	Washer, Shaft, D.E., Plain 1/2
X-156	1	Nut, Arm. Shaft, D.E.
X-263	1	Key, Woodruff, #8
X-404	1	Pin, Cotter

Drive End Head Assembly & Parts Used With

GAR-1096B	1	Head Assy., Drive End
GAR-95	1	Washer, Felt
GAR-96B	1	Head, D.E.
GX-9	1	Retainer, Bearing
GX-10	1	Gasket
12X-196	3	Lockwasher, Retainer Sc., #10
8X-311	3	Screw, Retainer, Rd. Hd. #10-32x3/8
X-378	1	BEARING, BALL, SHIELDED, S.A.E. #204

Miscellaneous Parts

GBW-1024LS	1	Band, Cover
X-714	1	Screw Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

NOTE: VRS-5201AX CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GEF-5002	Nordberg (Marine)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DK-23	2	Frame Screw
(GEB-2001)	1	Frame & Field Assembly
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-58	1	Terminal Post
GBW-66	1	Terminal Post Bottom Ins.
GBW-67	1	Terminal Post Bottom Ins.
GBY-38A	2	Pole Piece Screw
GDD-25	1	Insulating Bushing
GDD-26	1	Insulating Bushing
GEB-29	2	Pole Piece
GEB-1005	1	FIELD COIL ASSY.- COMP.
GEA-30	1	Lead Assembly
X-847	1	Terminal
GEB-27	1	Terminal Post
GEB-1007	1	Field Coil - Left
GEB-1008	1	Field Coil - Right
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	2	#10 Lock Washer
X-203	2	5/16 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assy. & Parts Used With

DA-22	1	Bearing Retaining Washer
DA-39	1	Flat Oil Guard
DA-60	1	Bearing Retaining Screw
DH-7	1	Felt Washer
GBJ-25	1	End Cap Cover Gasket
GBJ-32A	1	Comm. End Cap Cover
GCE-2002	1	Comm. End Plate Assembly
GCE-53	2	Brush Spring
GCE-54	2	Brush Arm
GCE-1012‡	2	Brush - Main
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-195	1	#8 Lock Washer
X-199	1	1/4 Lock Washer
X-295	1	BALL BEARING - S.A.E. #203
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GEG-2006F	1	ARMATURE ASSEMBLY
*	1	Drive Pulley
X-261	1	#6 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assy. & Parts Used With

GCE-1003	1	Drive End Head Assembly
GAU-31	1	Felt Washer
GCE-3	1	Drive End Head
GG-6	1	Bearing Retainer
GK-176	1	Felt Washer Retainer
GT-76	1	Felt Washer Retainer
GT-78	1	Felt Washer
X-196	3	#10 Lock Washer
X-295	1	BALL BRG.- S.A.E. #203
8X-311	3	#10-32x3/8 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

GCE-24	1	Head Band
8X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 4-3-40)

Assembly No.	Drive Pulley	Regulator
GEG-4801	None	VRP-4004E
GEG-4801A	SP-287	VRP-4008A

‡ Service BRUSH SET GCE-2012S.

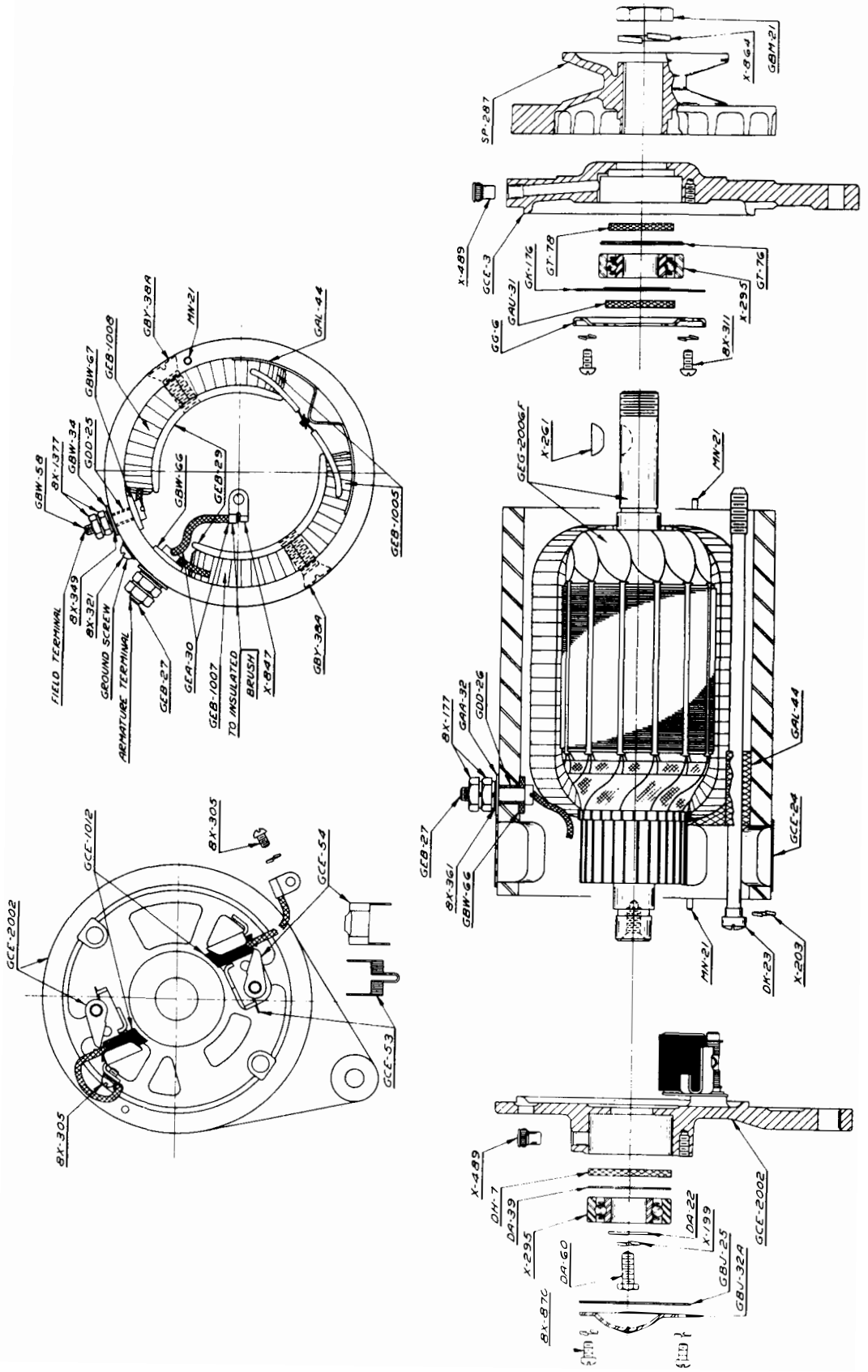
* See table following parts list for part number applying to assembly wanted.

NOTE:- * CURRENT-VOLTAGE REGULATOR is used with but is not part of this generator.

UNIT	APPLICATION
GEG-4801	Service Generator
GEG-4801A	Hudson

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GEG-4801,A GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DK-23	2	Bolt, Thru
(GEB-2025)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term., Outer
GAL-44	1	Insulation, Field Connection
GBW-34	1	Washer, Ins., Field Term., Outer
GBW-66	1	Insulation, Arm. Term., Inner
GBW-67	1	Insulation, Field Term., Inner
GBY-38A	2	Screw, Pole Shoe
GC-26	1	Washer, Ins., Arm. Term., Outer
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Field Term.
GEB-1005	1	Coil Assy., Field, Comp.
GEA-30	1	Lead Assembly
X-847	1	Terminal
GEB-27	1	Stud, Arm. Term., #14-24
GEB-58	1	Stud, Field Term., #10-32
GEB-1007A	1	Coil, Field, Left
GEB-1008A	1	Coil, Field, Right
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term., Hex., #14-24
X-193	2	Lockwasher, Arm. Term., #14
X-196	2	Lockwasher, Field Term., #10
8X-349	1	Washer, Plain, Field Term., #10
8X-361	1	Washer, Plain, Arm. Term., 1/4
8X-1377	2	Nut, Field Term., Hex., #10-32
X-196	1	Lockwasher, Ground Sc., #10
8X-321	1	Screw, Ground, Rd. Hd., #10-32x5/16
X-1014	2	Lockwasher, Thru Bolt, 5/16

Comm. End Head Assembly & Parts Used With

DA-39	2	Washer, Plain
DA-132	1	Washer, Felt, C.E., Outer
DH-7	1	Washer, Felt, C.E., Inner
GAR-83A	1	Cover, Comm. End
GBJ-25	1	Gasket, C.E. Cover
GCE-55A	1	Deflector, Air
GCE-2050	1	Head Assy., Comm. End
GCE-53	2	Spring, Brush
GCE-54	2	Arm, Brush
GCE-1012†	2	Brush
8X-66	3	Screw, Air Deflector, Flat Hd., #10-32x1/2
		1 2 3 4 5

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
X-195	2	Lockwasher, Brush Lead, #8
X-295	1	Bearing, Ball, S.A.E. #203
8X-305	2	Screw, Brush Lead, Rd. Hd., #8-32x1/4
X-489	1	Oiler, Hinge Top, Press in, 1/4
8X-726	3	Screw, Attaching, C.E. Cover, Bdg. Hd., #10-32x7/16
X-1270	3	Washer, Skpf., C.E. Cover Sc., #10
X-1621	3	Washer, Skpf., Air Deflector Sc., #10

Armature Assembly & Parts Used With

DG-1144	1	Oil Thrower
GBM-21	1	Nut, Arm. Shaft, C.E.
GEG-2054F	1	Armature
SP-230A	1	Fan, Ventilating
X-157	1	Nut, Arm. Shaft Hex., 1/2-20
X-258	1	Key, Woodruff, #3
X-263	1	Key, Woodruff, #8
X-358	1	Washer, Plain, Arm. Shaft, 1/2
X-404	1	Pin, Cotter, 3/32x1
X-864	1	Lockwasher, Arm. Shaft

Drive End Head Assembly & Parts Used With

GCE-1057	1	Head Assy., Drive End
GAE-47	1	Retainer, Bearing
GCE-57	1	Head
8X-66	3	Screw, Brg. Retainer, Flat Hd., #10-32x1/2
X-298	1	Bearing, Ball, S.A.E. #204
X-489	1	Oiler, Press in Type, 1/4
X-1621	3	Washer, Skpf., Retainer Sc., #10

Miscellaneous Parts

GCE-24	1	Band, Cover
X-715	1	Screw, Cover Band, Rd. Hd., #10-32x1 1/4
8X-794	1	Nut, Cover Band, Square, #10-32
		1 2 3 4 5

† Brush Set, Service, GCE-2012S.

NOTE:- VRP-4004E - 3 hole mounting and VRP-4006F - 4 hole mounting Current-Voltage Regulator is used with but is not a part of this generator.

Unit	Application
GEG-4802	Diamond T, Duplex, Hercules

(Issued 10-25-46)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DK-23	2	Bolt, Thru
GCE-94	1	Bracket, Mounting, Generator
(GEB-2001A)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term. Outer
GAL-44	1	Insulation, Field Connection
GBW-34	1	Washer, Ins., Field Term. Outer
GBW-66	1	Insulation, Arm. Term., Inner
GBW-67	1	Insulation, Field, Term., Inner
GBY-38	2	Screw, Pole Shoe
GC-26	1	Washer, Ins., Arm. Term., Outer
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Field Term.
GEB-1005	1	Coil Assy., Field, Comp.
GEA-30	1	Lead Assy.
X-847	1	Terminal
GEB-27	1	Stud, Arm. Term., #14-24
GEB-58	1	Stud, Field Term., #10-32
GEB-1007A	1	Coil, Field, Left
GEB-1008A	1	Coil, Field, Right
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term., Hex., #14-24
X-193	2	Lockwasher, Arm. Term., #14
X-196	2	Lockwasher, Field Term., #10
8X-349	1	Washer, Plain, Field Term., #10
8X-361	1	Washer, Plain, Arm. Term., 1/4
8X-1377	2	Nut, Field Term., Hex., #10-32
X-196	1	Lockwasher, Ground Screw, #10
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16
X-402	2	Pin, Cotter, Bracket Screw, 1/16x3/4
X-863B	2	Screw, Mtg. Bracket, Hex. Hd., 5/16-24x1 1/4
X-1014	2	Lockwasher, Thru Bolt, 5/16
8X-1061	2	Nut, Mtg. Bracket Sc., Castellated 5/16-24

Comm. End Head Assembly & Parts Used With

DA-22	1	Washer, Bearing Retaining
DA-39	1	Washer, Plain
DA-60	1	Screw, Bearing Retaining
DH-7	1	Washer, Felt, Comm. End Inner
GBJ-25	1	Gasket, Comm. End Cover
GBJ-32A	1	Cover, Comm. End
		1 2 3 4 5

Comm. End Head Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCE-2002F	1	Head Assy., Comm. End
GCE-53	2	Spring, Brush
GCE-54	2	Arm, Brush
GCE-1012†	2	Brush
X-195	2	Lockwasher, Brush Lead Sc., #8
X-199	1	Lockwasher, Brg. Retaining Sc., 1/4
X-295	1	Bearing, Ball, S.A.E. #203
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler, Hinge Top, Press in, 1/4
X-544	3	Lockwasher, Cover Screw, #10
X-870	3	Screw, Cover, Fil. Hd. #10-32x5/16

Armature Assembly & Parts Used With

GBM-21	1	Nut, Armature Shaft
GEG-2006F	1	Armature
SP-218	1	Pulley, Drive
X-261	1	Key, Woodruff, D.E., #6
X-864	1	Lockwasher, Shaft

Drive End Head Assembly & Parts Used With

GCE-1092	1	Head Assy., Drive End
GAU-31	1	Washer, Felt, Inner
GCE-92	1	Head
GG-6	1	Retainer, Bearing
GK-176	1	Retainer, Felt, Inner
GT-76	1	Retainer, Felt, Outer
GT-78	1	Washer, Felt, Outer
X-196	3	Lockwasher, #10
X-295	1	Bearing, Ball, S.A.E. #203
8X-311	3	Screw, Rd. Hd., #10-32x3/8
X-489	1	Oiler, Press in Type, 1/4

Miscellaneous Parts

GCE-24	1	Band, Cover
X-715	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/4
8X-794	1	Nut, Cover Band, Square #10-32
		1 2 3 4 5

† Brush Set, Service GCE-2012S.

NOTE:- VRP-4006F Current-Voltage Regulator is used with but is not a part of this generator.

Unit	Application
GEG-4807A	Linn Truck

(Issued 10-31-46)

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File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GEG-4812,-2,X,XA GENERATOR PARTS LIST

GEG-4812, -2,X,XA (Issued 4-6-51)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
DK-23C	2	Bolt, Thru
(GEB-2034)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term. Outer
GAL-44	1	Insulation, Field Connection
GBW-34	1	Washer, Ins., Field Term., Outer
GBW-66	1	Insulation, Arm. Term., Inner
GBW-67	1	Insulation, Field Term., Inner
GBY-38A	2	Screw, Pole Shoe
GC-26	1	Washer, Ins., Arm. Term. Outer
GCE-60S	1	Bracket, Gen. Mtg.
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Field Term.
GEB-1005	1	COIL ASSY., FIELD, COMPLETE
GEB-27	1	Stud, Arm. Term., #14-24
GEB-58	1	Stud, Field Term., #10-32
GEB-90	1	Lead Assembly
X-847	1	Terminal
GEB-1007A	1	Coil, Field, Left
GEB-1008A	1	Coil, Field, Right
MN-21	2	Pin, Dowel
8X-113	2	Screw, Bracket, Hex. Hd. 5/16-24x5/8
8X-177	2	Nut, Arm. Term., Hex. #14-24
X-196	2	Lockwasher, Field Term., #10
X-199	2	Lockwasher, Arm. Term., 1/4
8X-349	1	Washer, Plain, Field Term., #10
8X-361	1	Washer, Plain, Arm. Term. 1/4
X-1014	2	Lockwasher, Bracket Sc., 5/16
8X-1377	2	Nut, Field Term., Hex. #10-32
X-196	1	Lockwasher, Ground Screw, #10
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16
X-1014	2	Lockwasher, Thru Bolt, 5/16

Comm. End Head Assembly & Parts Used With

Part No.	No. Used	Name of Part
DA-39	2	Washer, Plain, Felt Retaining
DA-132	1	Washer, Felt, C.E. Outer
DH-7	1	Washer, Felt, C.E. Inner
GAR-83A	1	Cover, Comm. End
GBJ-25	1	Gasket, C.E. Cover
GCE-2050	1	Head Assy., Comm. End
GCE-53	2	Spring, Brush
GCE-54	2	Arm, Brush
GCE-1012†	2	Brush
X-195	2	Lockwasher, Brush Lead Sc. #8
X-295	1	BEARING, BALL, S.A.E. #203
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler
8X-726	3	Screw, C.E. Cover, Bdg. Hd. #10-32x7/16
X-1270	3	Washer, Cover Sc., Skpf. #10

Armature Assembly & Parts Used With

DA-70	1	Nut, Arm. Shaft, D.E., Inner
GBM-21B	1	Nut, Arm. Shaft, C.E.
GEG-2062F	1	ARMATURE
SP-230A	1	Fan, Ventilating
X-160	1	Nut, Shaft, D.E., Hex. 7/16-20
X-205	1	Lockwasher, Shaft, D.E. 7/16
X-258	1	Key, Woodruff, C.E., #3
X-261	1	Key, Woodruff, D.E., #6
X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

GCE-2048	1	Head Assy., Drive End
GAU-31	1	Washer, Felt, Inner
GCE-48	1	Head, Drive End
GG-6	1	Retainer, Bearing
GK-176	1	Retainer, Felt, Inner
GT-76	1	Retainer, Felt, Outer
GT-78	1	Washer, Felt, Outer
X-196	3	Lockwasher, Retainer Sc., #10
X-295	1	BEARING, BALL, S.A.E. #203
8X-311	3	Screw, Brg. Retainer, Rd. Hd. #10-32x3/8
X-489	1	Oiler

Miscellaneous Parts

GCE-24	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

(Continued on Reverse Side)

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GEG-4812, -2, X, XA GENERATOR PARTS LIST

† BRUSH SET, SERVICE GCE-2012S.

NOTE: * CURRENT-VOLTAGE REGULATOR is used with but is not a part of this Generator.

* See table following parts list for part number applying to assembly wanted.

Assembly No.	Regulator
GEG-4812	VRP-4006F
GEG-4812-2	VRP-4006D
GEG-4812X	
GEG-4812XA	

UNIT	APPLICATION
GEG-4812, -2, X, XA	Modern Improvement Co.

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File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBD-20A	2	Frame Screw
(GEB-2025)	1	Frame & Field Assembly
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-66	1	Terminal Post Bottom Ins.
GBW-67	1	Terminal Post Bottom Ins.
GBY-38	2	Pole Piece Screw
GC-26	1	Insulating Washer
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
GEB-29	2	Pole Piece
GEB-1005	1	FIELD COIL ASSY.- Comp.
GEA-30	1	Lead Assembly
X-847	1	Terminal
GEB-27	1	Terminal Post
GEB-58	1	Terminal Post
GEB-1007	1	Field Coil - Left
GEB-1008	1	Field Coil - Right
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	2	#10 Lock Washer
X-203	2	5/16 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

DA-39	2	Flat Oil Guard
DA-132	1	Felt Washer
DH-7	1	Felt Washer
GAR-83	1	Comm. End Cap Cover
GBJ-25	1	End Cap Cover Gasket
GCE-55	1	Air Deflector
GCE-2050	1	Comm. End Plate Assembly
GCE-53	2	Brush Spring
GCE-54	2	Brush Arm
GCE-1012†	2	Brush - Main
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Sc.
8X-62	6	#10-32x3/8 Flat Hd. Screw
X-195	1	#8 Lock Washer
X-295	1	BALL BEARING - S.A.E. #203
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAR-1177	1	Oil Thrower
GBM-21	1	Armature Shaft Nut
GEG-2087F	1	ARMATURE ASSEMBLY
SP-230	1	Ventilating Fan
X-157	1	1/2-20 Slotted Nut
X-258	1	#3 Woodruff Key
X-263	1	#8 Woodruff Key
X-358	1	1/2 Plain Steel Washer
X-404	1	3/32x1 Cotter Pin
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GCE-1076	1	Drive End Head Assembly
GCE-76	1	Drive End Head
GX-9	1	Bearing Retainer
GX-10	1	Gasket
X-196	3	#10 Lock Washer
8X-311	3	#10-32x3/8 Rd. Hd. Sc.
X-378	1	BALL BRG. - Oil Seal

Miscellaneous Parts

GCE-24C	1	Head Band
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 7-2-41)

† SERVICE BRUSH SET GCE-2012S.

NOTE:- VRP-4006F CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GEG-4813	Four Wheel Drive, Sterling Truck

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBD-20A	2	Frame Screw
(GEB-3036)	1	Frame & Field Assembly
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-66	1	Terminal Post Bottom Ins.
GBW-67	1	Terminal Post Bottom Ins.
GBY-38	2	Pole Piece Screw
GC-26	1	Insulating Washer
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
GEB-29	2	Pole Piece
GEB-2005	1	FIELD COIL ASSY.- Comp.
GEA-30	1	Lead Assembly
X-847	1	Terminal
GEB-27	1	Terminal Post
GEB-58	1	Terminal Post
GEB-1007A	1	Field Coil - Left
GEB-1008A	1	Field Coil - Right
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	2	#10 Lock Washer
X-203	2	5/16 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
5X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

DA-39	2	Flat Oil Guard
DA-132	1	Felt Washer
DH-7	1	Felt Washer
GAR-83	1	Comm. End Cap Cover
GBJ-25	1	End Cap Cover Gasket
GCE-55	1	Air Deflector
GCE-3080	1	Comm. End Plate Assembly
GCE-53	2	Brush Spring
GCE-54	2	Brush Arm
GCE-1012‡	2	Brush - Main
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
8X-62	6	#10-32x3/8 Flat Hd. Screw
X-195	1	#8 Lock Washer
X-295	1	BALL BEARING - S.A.E. #203
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAR-1177	1	Oil Thrower Assembly
GBM-21	1	Armature Shaft Nut
GEG-2087F	1	ARMATURE ASSEMBLY
SP-230	1	Ventilating Fan
X-157	1	1/2-20 Slotted Nut
X-258	1	#3 Woodruff Key
X-263	1	#8 Woodruff Key
X-358	1	1/2 Plain Steel Washer
X-404	1	3/32x1 Cotter Pin
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GCE-1076	1	Drive End Head Assembly
GCE-76	1	Drive End Head
GX-9	1	Bearing Retainer
GX-10	1	Gasket
X-196	3	#10 Lock Washer
8X-311	3	#10-32x3/8 Rd. Hd. Screw
X-378	1	BALL BRG.- Oil Seal

Miscellaneous Parts

GCE-24C	1	Head Band
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 10-2-41)

‡ SERVICE BRUSH SET GCE-2012S.

NOTE:- VRP-4006F CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GEG-4814	Sterling Truck

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DK-23A	2	Frame Screw
(GEB-3050)	1	Frame & Field Assembly
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-66	1	Terminal Post Bottom Ins.
GBW-67	1	Terminal Post Bottom Ins.
GBY-38	2	Pole Piece Screw
GC-26	1	Insulating Washer
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
GEB-29	2	Pole Piece
GEB-2005	1	FIELD COIL ASSY.- Comp.
GEA-30	1	Lead Assembly
X-847	1	Terminal
GEB-27	1	Terminal Post
GEB-58	1	Terminal Post
GEB-1007A	1	Field Coil - Left
GEB-1008A	1	Field Coil - Right
MN-21	2	Dowel Pin
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
5X-1377	1	#10-32 Hex. Nut
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	2	#10 Lock Washer
X-203	2	5/16 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
5X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

DA-39	2	Flat Oil Guard
DA-132	1	Felt Washer
DH-7	1	Felt Washer
GAR-83A	1	Comm. End Cap Cover
GBJ-25	1	End Cap Cover Gasket
GCB-3080	1	Comm. End Plate Assembly
GCE-53	2	Brush Spring
GCE-54	2	Brush Arm
GCE-1012†	2	Brush - Main
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
GJ-320	1	Armature Shaft Nut
X-195	1	#8 Lock Washer
X-295	1	BALL BEARING - S.A.E. #203
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GEG-2103F	1	ARMATURE ASSEMBLY
GJ-104	1	Armature Shaft Spacer
GJ-179	1	7/16 Plain Washer
X-160	1	7/16-20 Hex. Nut
X-205	1	7/16 Lock Washer
X-261	2	#6 Woodruff Key

Drive End Head Assembly & Parts Used With

GCE-1068	1	Drive End Head Assembly
GAU-31	1	Felt Washer
GCE-68	1	Drive End Head
GG-6	1	Bearing Retainer
GK-176	1	Felt Washer Retainer
GT-76	1	Felt Washer Retainer
GT-78	1	Felt Washer
X-196	3	#10 Lock Washer
X-295	1	BALL BRG.- S.A.E. #203
8X-311	3	#10-32x3/8 Rd. Hd. Sc.
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

GEB-24	1	Head Band
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 5-20-41)

† SERVICE BRUSH SET GCE-2012S.

NOTE:- VRP-4105A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GEG-4815	Gray Marine

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GEF-3105)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term., Outer
GBW-34	1	Washer, Ins., Field Term., Outer
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Field Term.
GEA-34	1	Insulation, Term. Stud, Inner
GEF-1005	1	COIL ASSY., FIELD, COMPLETE
GEA-27	1	Stud, Arm. Term., #14-24
GEA-30A	1	Lead Assy.
X-847	1	Terminal
GEB-58	1	Stud, Field Term., #10-32
GEF-1007	1	Coil, Field, Left
GEF-1008	1	Coil, Field, Right
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term., Hex. #14-24
12X-193	2	Lockwasher, Arm. Term., #14
12X-196	2	Lockwasher, Field Term., #10
8X-349	1	Washer, Plain, Field Term., #10
8X-361	1	Washer, Plain, Arm. Term., 1/4
8X-1377	2	Nut, Field Term., Hex. #10-32
GY-20	2	Bolt, Thru
12X-196	1	Lockwasher, Ground Screw, #10
12X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

GEF-3002A	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBW-69	1	Gasket, C.E. Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Retaining
GBW-1012A†	2	Brush
GBW-1068	1	Cover, Comm. End
GEF-1002C	1	Head Assy., Partial, C.E.
GBF-79	1	BEARING, ABS. BRONZE
GBW-45	2	Spring, Brush
GCJ-26	2	Arm, Brush
12X-195	4	Lockwasher, Cover Sc., #8

Comm. End Head Assy. (Continued)

Part No.	No. Used	Name of Part
8X-888	4	Screw, Cover, Fill. Hd. #8-32x5/16
12X-195	2	Lockwasher, Brush Lead Sc., #8
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

GCP-2104F	1	ARMATURE ASSY.
GAR-171	1	Snap Ring
GJ-104	1	Spacer, Arm. Shaft
GJ-179	1	Washer, Armature Shaft, Plain
8X-160	1	Nut, Shaft, D.E., Hex. 7/16-20
12X-205	1	Lockwasher, Shaft, D.E., 7/16
X-261	1	Key, Woodruff, D.E., #6

Drive End Head Assy..& Parts Used With

GCZ-1003B	1	Head Assy., Drive End
GCZ-3B	1	Head, Drive End
GG-6	2	Retainer, Bearing
GG-164	1	Washer, Felt
GK-176	1	Retainer, Felt Washer
8X-173	3	Nut, Retainer Sc., Hex. #10-32
12X-196	3	Lockwasher, Retainer Sc., #10
X-295	1	BEARING, BALL, S.A.E. #203
8X-316	3	Screw, Retainer, Rd. Hd. #10-32x3/4
X-489	1	Oiler

Miscellaneous Parts

GBW-24J	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GBW-2012AS.

NOTE: - VRS-4004G CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GEF-4817	Kermath

(Issued 6-27-49)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
	1 2 3 4 5	
DK-23	2	Frame Screw
(GEB-2001)	1	Frame & Field Assembly
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-66	1	Terminal Post Bottom Ins.
GBW-67	1	Terminal Post Bottom Ins.
GBY-38A	2	Pole Piece Screw
GC-26	1	Insulating Washer
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
GEB-29	2	Pole Piece
GEB-1005	1	FIELD COIL ASSY.- Comp.
GEA-30	1	Lead Assembly
X-847	1	Terminal
GEB-27	1	Terminal Post
GEB-58	1	Terminal Post
GEB-1007	1	Field Coil - Left
GEB-1008	1	Field Coil - Right
MN-31	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	2	#10 Lock Washer
12X-203	2	5/16 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

DA-22	1	Bearing Retaining Washer
DA-39	1	Flat Oil Guard
DA-50	1	Bearing Retaining Screw
DH-7	1	Felt Washer
GBJ-25	1	End Cap Cover Gasket
GBJ-32A	1	Comm. End Cap Cover
GCE-2002	1	Comm. End Plate Assembly
GCE-53	2	Brush Spring
GCE-54	2	Brush Arm
GCE-2012†	2	Brush - Main
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-195	1	#8 Lock Washer
X-199	1	1/4 Lock Washer
X-295	1	BALL BEARING - S.A.E. #203
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
12X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Screw
	1 2 3 4 5	

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
	1 2 3 4 5	
GBM-21	1	Armature Shaft Nut
GEG-2006F	1	ARMATURE ASSEMBLY
*	1	Drive Pulley
X-261	1	#6 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GCE-1003	1	Drive End Head Assembly
GAU-31	1	Felt Washer
GCE-3	1	Drive End Head
GG-6	1	Bearing Retainer
GK-176	1	Felt Washer Retainer
GT-76	1	Felt Washer Retainer
GT-78	1	Felt Washer
X-196	3	#10 Lock Washer
X-295	1	BALL BRG.- S.A.E. #203
8X-311	3	#10-32x3/8 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

GCE-24	1	Head Band
8X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
	1 2 3 4 5	

(Issued 5-20-41)

Assembly No.	Drive Pulley
GEG-4818	None
GEG-4818A	SP-232
GEG-4818B	SP-410
GEG-4818C	SP-415

† SERVICE BRUSH SET GCE-2012S.

NOTE:- VRP-4001F CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

* See table following parts list for part number applying to assembly wanted.

UNIT	APPLICATION
GEG-4818, A,B	Chrysler, DeSoto, Dodge, Plymouth Spec. Equip.
GEG-4818C	Chrysler

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
DK-23C	2	Bolt, Thru
(GEB-3039)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term. Outer
GAL-44	1	Insulation, Field Connection
GBW-34	1	Washer, Ins., Field Term., Outer
GBW-66	1	Insulation, Arm. Term., Inner
GBW-67	1	Insulation, Field Term., Inner
GBY-38A	2	Screw, Pole Shoe
GC-26	1	Washer, Ins., Arm. Term., Outer
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Field Term.
GEB-2005	1	COIL ASSY., FIELD, COMPLETE
GEA-30	1	Lead Assembly
X-847	1	Terminal
GEB-27	1	Stud, Arm. Term., #14-24
GEB-58	1	Stud, Field Term., #10-32
GEB-1007A	1	Coil, Field, Left
GEB-1008A	1	Coil, Field, Right
MN-21	2	Pin, Dowel
5X-177	2	Nut, Arm. Term., Hex. #14-24
X-196	2	Lockwasher, Field Term., #10
X-199	2	Lockwasher, Arm. Term., 1/4
8X-349	1	Washer, Plain, Field Term., #10
8X-361	1	Washer, Plain, Arm. Term., 1/4
5X-1377	2	Nut, Field Term., Hex. #10-32
X-196	1	Lockwasher, Ground Screw, #10
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16
X-1014	2	Lockwasher, Thru Bolt, 5/16

Comm. End Head Assembly & Parts Used With

DA-22	1	Washer, Bearing Retaining
DA-39	1	Washer, Plain, Felt Retaining
DA-60	1	Screw, Bearing Retaining
DH-7	1	Washer, Felt, C.E. Inner
GBJ-25	1	Gasket, C.E. Cover
GBJ-32A	1	Cover, Comm. End
GCE-3084	1	Head Assy., Comm. End

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
GCE-53	2	Spring, Brush
GCE-54	2	Arm, Brush
GCE-1012†	2	Brush
X-195	2	Lockwasher, Brush Lead Sc., #8
X-196	3	Lockwasher, Cover Screw, #10
X-199	1	Lockwasher, Brg. Retaining Sc., 1/4
X-295	2	BEARING, BALL, S.A.E. #203
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler
X-870	3	Screw, Cover, Fill. Hd. #10-32x5/16

Armature Assembly & Parts Used With

GAL-310	1	Spacer, Arm. Shaft
GEG-2108F	1	ARMATURE
GK-174	1	Washer, Shaft, D.E., Plain 1/2
X-156	1	Nut, Shaft, D.E., Castellated 1/2-20
X-263	1	Key, Woodruff, #8
X-404	1	Pin, Cotter

Drive End Head Assembly & Parts Used With

GCE-1085	1	Head Assy., Drive End
DB-17	1	Washer, Felt Retaining
GAR-95	1	Washer, Felt, Inner
GBC-25	1	Retainer, Felt, Inner
GCE-85	1	Head, D.E.
GG-164	1	Washer, Felt, Outer
GX-9	1	Retainer, Bearing
X-196	3	Lockwasher, Retainer Sc., #10
X-298	1	BEARING, BALL, S.A.E #204
8X-311	3	Screw, Brg. Retainer, Rd. Hd. #10-32x3/8
X-489	1	Oiler

Miscellaneous Parts

GCE-24	1	Band, Cover
X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GCE-2012S.

NOTE: VRP-4104B CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GEG-4820-1	Chris Craft, Easthope (Mar.)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part 1 2 3 4 5
DK-23	2	Frame Screw
(GEB-2001)	1	Frame & Field Assembly
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-66	1	Terminal Post Bottom Ins.
GBW-67	1	Terminal Post Bottom Ins.
GBY-38A	2	Pole Piece Screw
GC-26	1	Insulating Washer
GDD-25	1	Insulating Bushing
GDD-26	1	Insulating Bushing
GEB-29	2	Pole Piece
GEB-1005	1	FIELD COIL ASSY.- Comp.
GBW-58	1	Terminal Post
GEA-30	1	Lead Assembly
X-847	1	Terminal
GEB-27	1	Terminal Post
GEB-1007	1	Field Coil - Left
GEB-1008	1	Field Coil - Right
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	2	#10 Lock Washer
12X-203	2	5/16 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assy. & Parts Used With

DA-22	1	Bearing Retaining Washer
DA-39	1	Flat Oil Guard
DA-60	1	Bearing Retaining Screw
DH-7	1	Felt Washer
GBJ-25	1	End Cap Cover Gasket
GBJ-32A	1	Comm. End Cap Cover
GCE-2047B	1	Comm. End Plate Assembly
GCE-53	2	Brush Spring
GCE-54	2	Brush Arm
GCE-1012‡	2	Brush - Main
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-195	1	#8 Lock Washer
X-199	1	1/4 Lock Washer
X-295	1	BALL BEARING - S.A.E. #203
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
12X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Sc.

1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part 1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GEG-2006F	1	ARMATURE ASSEMBLY
SP-396	1	Drive Pulley
X-261	1	#6 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assy. & Parts Used With

GCE-1112	1	Drive End Head Assembly
GAU-31	1	Felt Washer
GCE-112	1	Drive End Head
GG-6	1	Bearing Retainer
GK-176	1	Felt Washer Retainer
GT-76	1	Felt Washer Retainer
GT-78	1	Felt Washer
X-196	3	#10 Lock Washer
X-295	1	BALL BRG.- S.A.E. #203
8X-311	3	#10-32x3/8 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

GCE-24	1	Head Band
8X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut

1 2 3 4 5

(Issued 9-6-40)

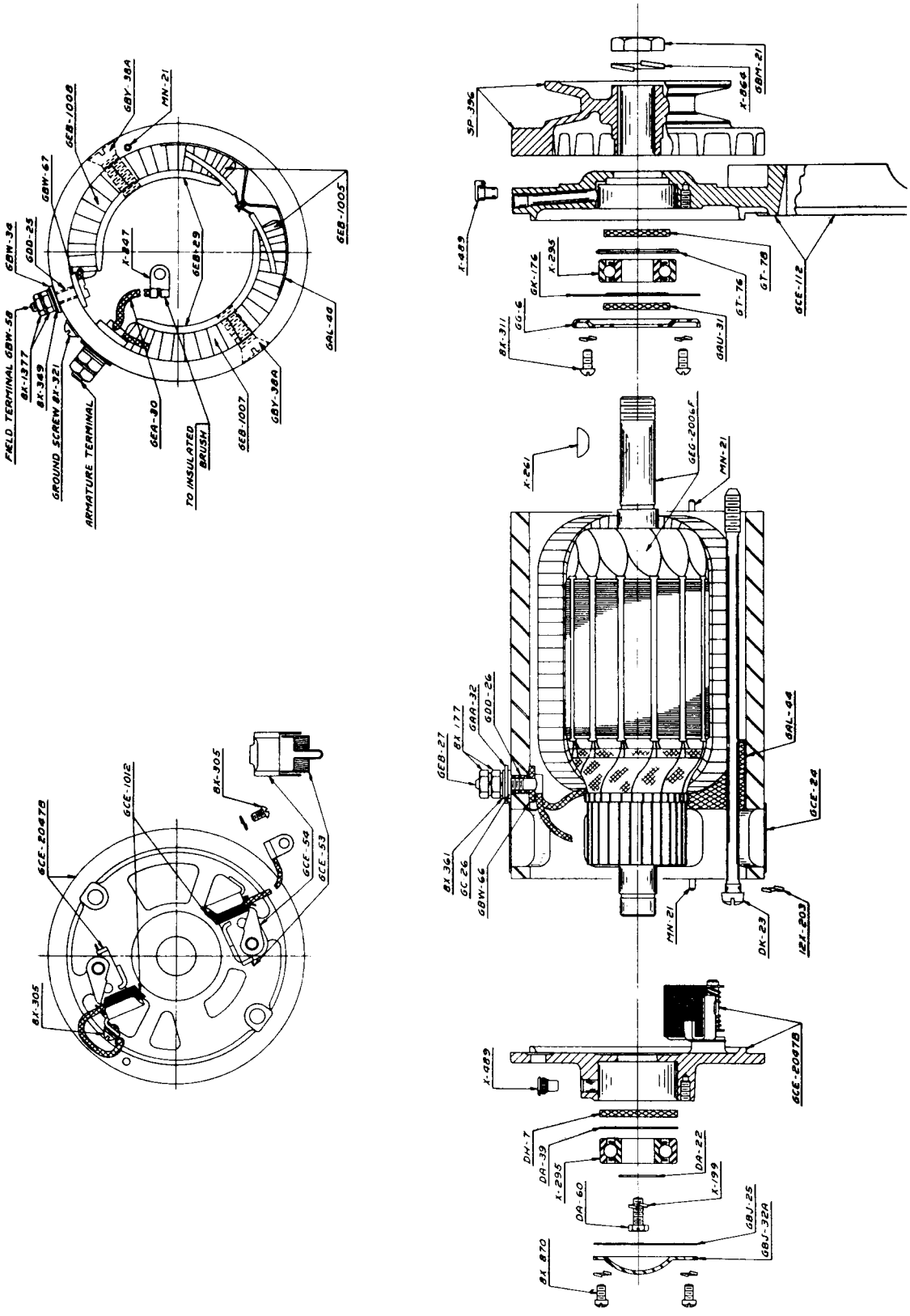
NOTE:- VRP-4004E CURRENT-VOLTAGE REGULATOR is used with but is not part of this generator.

‡ SERVICE BRUSH SET GCE-2012S.

UNIT	APPLICATION
GEG-4821A	Service Generator

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GEG-4821A GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DK-23A	2	Frame Screw
(GEB-2031)	1	Frame & Field Assy.
GAA-32	1	Term. Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-66	1	Term. Post Bottom Ins.
GBW-67	1	Term. Post Bottom Ins.
GBY-38	2	Pole Piece Screw
GC-26	1	Insulating Washer
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
GEB-29	2	Pole Piece
GEB-1005	1	FIELD COIL ASSY.-Comp.
GEA-30	1	Lead Assembly
X-847	1	Terminal
GEB-27	1	Terminal Post
GEB-58	1	Terminal Post
GEB-1007	1	Field Coil - Left
GEB-1008	1	Field Coil - Right
MN-21	2	Dowel Pin
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
5X-1377	1	#10-32 Hex. Nut
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	2	#10 Lock Washer
X-203	2	5/16 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Sc.
5X-1377	1	#10-32 Hex. Nut

Comm. End Head Assembly & Parts Used With

DA-39	2	Flat Oil Guard
DA-132	1	Felt Washer
DH-7	1	Felt Washer
GAR-83	1	Comm. End Cap Cover
GBJ-25	1	End Cap Cover Gasket
GCE-55A	1	Air Deflector
GCE-2050	1	Comm. End Head Assy.
GCE-53	2	Brush Spring
GCE-54	2	Brush Arm
GCE-1012†	2	Brush - Main
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Sc.
8X-62	6	#10-32x3/8 Flat Hd. Sc.
X-195	1	#8 Lock Washer
X-295	1	BALL BRG. - S.A.E. #203
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler-Press in Type
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAR-1177	1	Oil Thrower Assembly
GBM-21	1	Armature Shaft Nut
GEG-2090F	1	ARMATURE ASSEMBLY
GK-174	1	1/2 Plain Washer
SP-230	1	Ventilating Fan
X-156	1	1/2-20 Castellated Nut
X-258	1	#3 Woodruff Key
X-263	1	#8 Woodruff Key
X-404	1	3/32x1 Cotter Pin
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GCE-1091	1	Drive End Head Assy.
GAR-95	1	Felt Washer
GCE-91	1	Drive End Head
GX-9	1	D.E. Packing Retainer
GX-10	1	Gasket
X-196	3	#10 Lock Washer
8X-311	3	#10-32x3/8 Rd. Hd. Sc.
X-378	1	BALL BRG. - S.A.E. #204
		Oil Seal

Miscellaneous Parts

GCE-24C	1	Head Band
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 12-2-41)

† Service BRUSH SET GCE-2012S.

NOTE:- VRP-4006F 4 hole mounting or VRP-4004E 3 hole mounting CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GEG-4822	Autocar, Diamond T

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GEG-4823,A,B,BN,D,C,E,F GENERATOR PARTS LIST — GEG-4823,A,B,C, BN,D,E,F

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
DK-23	2	Bolt, Thru
(GEB-2001)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term., Outer
GAL-44	1	Insulation, Field Connection
GBW-34	1	Washer, Ins., Field Term., Outer
GBW-66	1	Insulation, Square, Arm. Term., Inner
GBW-67	1	Insulation, Square, Field Term., Inner
GBY-38A	2	Screw, Pole Shoe
GC-26	1	Washer, Ins., Arm. Term., Outer
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Field Term.
GEB-1005	1	COIL ASSY., FIELD, COMPLETE
GEB-27	1	Stud, Arm. Term., #14-24
GEB-58	1	Stud, Field Term., #10-32
GEB-90	1	Lead Assembly
X-847	1	Terminal
GEB-1007A	1	Coil, Field, Left
GEB-1008A	1	Coil, Field, Right
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term., Hex. #14-24
12X-193	2	Lockwasher, Arm. Term., #14
12X-196	2	Lockwasher, Field Term., #10
8X-349	1	Washer, Plain, Field Term., #10
8X-361	1	Washer, Plain, Arm. Term., 1/4
8X-1377	2	Nut, Field Term., Hex. #10-32
12X-196	1	Lockwasher, Ground Sc., #10
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16
12X-1014	2	Lockwasher, Thru Bolt, 5/16

Comm. End Head Assembly & Parts Used With

DA-22	1	Washer, Bearing Retaining
DA-39	1	Washer, Plain, Felt Retaining
DA-60	1	Screw, Bearing Retaining
DH-7	1	Washer, Felt, C.E. Inner
GBJ-25	1	Gasket, C.E. Cover
GBJ-32A	1	Cover, Comm. End
GCE-2002S	1	Head Assy., Comm. End

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
GCE-53	2	Spring,Brush
GCE-54	2	Arm, Brush
GCE-2012S	1	BRUSH SET, SERVICE
12X-195	2	Lockwasher, Brush Lead Sc., #8
12X-196	3	Lockwasher, Cover Sc., #10
12X-199	1	Lockwasher, Brg. Retaining Screw, 1/4
X-295	1	BEARING, BALL, S.A.E. #203
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler
8X-870	3	Screw, Cover, Fill. Hd. #10-32x5/16

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm. Shaft, D.E.
*	1	Spacer, Arm. Shaft
GEG-2006F	1	ARMATURE
*	1	Pulley, Drive
X-261	1	Key, Woodruff, #6
12X-864	1	Lockwasher, Arm. Shaft, D.E.

Drive End Head Assembly & Parts Used With

GEW-1003	1	Head Assy., Drive End
GAU-31	1	Washer, Felt, Inner
GEW-3	1	Head, Drive End
GG-6	1	Retainer, Bearing
GK-176	1	Retainer, Felt, Inner
GT-76	1	Retainer, Felt, Outer
GT-78	1	Washer, Felt, Outer
X-196	3	Lockwasher, Retainer Sc., #10
X-295	1	BEARING, BALL, S.A.E. #203
8X-311	3	Screw, Brg. Retainer Rd. Hd. #10-32x3/8
X-489	1	Oiler

Miscellaneous Parts

GCE-24	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

* See table following parts list for part number applying to assembly wanted.

NOTE: * CURRENT-VOLTAGE REGULATOR is used with but is not a part of this Generator.

(Continued on Reversed Side)

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GEG-4823,A,B,BN,C,D,E,F GENERATOR PARTS (Cont'd.)

Assembly No.	Pulley Drive	Regulator	Spacer
GEG-4823	None	VRP-4001F	None
GEG-4823A	SP-471	VRP-4001F	None
GEG-4823B	SP-496	VRP-4001F	None
GEG-4823BN	SP-496	VRP-4005E	None
GEG-4823C	SP-808	VRP-4006F	None
GEG-4823D	SP-806	VRP-4006F	None
GEG-4823E	SP-880	VRP-4402B	GEG-31
GEG-4823F	SP-929	VRP-4402B	GEG-31

UNIT	APPLICATION
GEG-4823,A,B,BN	Chrysler, DeSoto, Dodge, Plymouth
GEG-4823C,D	Continental
GEG-4823E,F	Packard

(Issued 2-18-49)

Printed in U. S. A.

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can e assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GEG-4829 GENERATOR PARTS LIST

GEG-4829
(Issued 1-15-51)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
DK-23C	2	Bolt, Thru
(GEB-3057)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term., Outer
GAL-44	1	Insulation, Field Connection
GBW-34	1	Washer, Ins., Field Term., Outer
GBW-66	1	Insulation, Square, Arm. Term.
GBW-67	1	Insulation, Square, Field Term.
GBY-38A	2	Screw, Pole Shoe
GC-26	1	Washer, Ins., Arm. Term., Outer
GCE-60S	1	Bracket, Gen. Mtg.
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Field Term.
GEB-2005	1	COIL ASSY., FIELD, COMPLETE
GEA-30	1	Lead Assembly
X-847	1	Terminal
GEB-27	1	Stud, Arm. Term., #14-24
GEB-58	1	Stud, Field Term., #10-32
GEB-1007A	1	Coil, Field, Left
GEB-1008A	1	Coil, Field, Right
MN-21	2	Pin, Dowel
8X-113	2	Screw, Bracket, Hex. Hd. 5/16-24x5/8
8X-177	2	Nut, Arm. Term., Hex. #14-24
X-196	2	Lockwasher, Field Term.,#10
X-199	2	Lockwasher, Arm. Term.,1/4
8X-349	1	Washer, Field Term., Plain #10
8X-361	1	Washer, Arm. Term., Plain 1/4
X-1014	2	Lockwasher, Brkt. Sc., 5/16
8X-1377	2	Nut, Field Term., Hex. #10-32
X-196	1	Lockwasher, Ground Sc., #10
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16
X-1014	2	Lockwasher, Thru Bolt, 5/16

Comm. End Head Assembly & Parts Used With

DA-39	2	Washer, Plain, Felt Retaining
DA-132	1	Washer, Felt, C.E. Outer
DH-7	1	Washer, Felt, C.E. Inner
GAR-83A	1	Cover, Comm. End
GBJ-25	1	Gasket, C.E. Cover

Comm. End Head Assy. (Continued)

Part No.	No. Used	Name of Part
GCE-3080	1	Head Assy., Comm. End
GCE-53	2	Spring, Brush
GCE-54	2	Arm, Brush
GCE-1012 †	2	Brush
X-195	2	Lockwasher, Brush Lead Sc.,#8
X-295	1	BEARING, BALL, S.A.E. #203
X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler
8X-726	3	Screw, C.E. Cover, Bdg. Hd. #10-32x7/16
X-1270	3	Washer, Cover Sc., Skpf. #10

Armature Assembly & Parts Used With

DA-70	1	Nut, Arm. Shaft, D.E.
GBM-21B	1	Nut, Arm. Shaft, C.E.
GEG-2062F	1	ARMATURE
SP-230A	1	Fan, Ventilating
X-160	1	Nut, Shaft, D.E., Hex. 7/16-20
X-205	1	Lockwasher, Shaft, D.E., 7/16
X-258	1	Key, Woodruff, C.E., #3
X-261	1	Key, Woodruff, D.E., #6
X-864	1	Lockwasher, Shaft, C.E.

Drive End Head Assembly & Parts Used With

GCE-2048	1	Head Assy., Drive End
GAU-31	1	Washer, Felt, Inner
GCE-48	1	Head, Drive End
GG-6	1	Retainer, Bearing
GK-176	1	Retainer, Felt, Inner
GT-76	1	Retainer, Felt, Outer
GT-78	1	Washer, Felt, Outer
X-196	3	Lockwasher, Retainer Sc.,#10
X-295	1	BEARING, BALL, S.A.E. #203
8X-311	3	Screw, Brg. Retainer, Rd. Hd. #10-32x3/8
X-489	1	Oiler

Miscellaneous Parts

GCE-24	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GCE-2012S.

NOTE: VRP-4004E CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GEG-4829	Harnischfeger

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Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
DK-23	2	Bolt, Thru
(GEB-2085)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term. Outer
GAL-44	1	Insulation, Field Connection
GBW-34	1	Washer, Ins., Field Term. Outer
GBW-66	1	Insulation, Arm. Term. Inner
GBW-67	1	Insulation, Field Term., Inner
GBY-38A	2	Screw, Pole Shoe
GC-26	1	Washer, Ins., Arm. Term., Outer
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Field Term.
GEB-1005	1	COIL ASSY., FIELD, COMP.
GEB-27	1	Stud, Arm. Term., #14-24
GEB-58	1	Stud, Field Term., #10-32
GEB-90	1	Lead Assy.
X-847	1	Terminal
GEB-1007A	1	Coil, Field, Left
GEB-1008A	1	Coil, Field, Right
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term., Hex., #14-24
12X-193	2	Lockwasher, Arm. Term., #14
12X-196	2	Lockwasher, Field Term., #10
8X-349	1	Washer, Plain, Field Term., #10
8X-361	1	Washer, Plain, Arm. Term. 1/4
8X-1377	2	Nut, Field Term. Hex.,#10-32
12X-196	1	Lockwasher, Ground Screw, #10
8X-321	1	Screw, Ground Rd. Hd. #10-32x5/16
12X-1014	2	Lockwasher, Thru Bolt, 5/16

Comm. End Head Assembly & Parts Used With

DA-39	2	Washer Plain
DA-132	1	Washer, Felt, C.E. Outer
DH-7	1	Washer, Felt, Comm. End Inner
GAR-83A	1	Cover Comm. End
GBJ-25	1	Gasket, Comm. End Cover
GCE-2081	1	Head Assy., Comm. End
GCE-53	2	Spring, Brush
GCE-54	2	Arm, Brush
GCE-1012†	2	Brush
GJ-320	1	Nut, Arm. Shaft
12X-195	2	Lockwasher, Brush Lead Screw, #8
X-295	1	BEARING, BALL, S.A.E. #203
8X-305	2	Screw, Brush Lead, Rd. Hd., #8-32x1/4

Comm. End Head Assy. (Continued)

X-489	1	Oiler, Hinge Top, Press in, 1/4
12X-544	3	Lockwasher, Cover Screw, #10
8X-870	3	Screw, Cover, Fil. Hd., #10-32x5/16

Armature Assembly & Parts Used With

GEG-2103F	1	ARMATURE
GJ-104	1	Spacer, Arm. Shaft
GJ-179	1	Washer, Armature Shaft, Plain
X-160	1	Nut, Shaft, Hex., 7/16-20
12X-205	1	Lockwasher, Shaft, 7/16
X-261	2	Key, Woodruff, #6

Drive End Head Assembly & Parts Used With

GCE-1068	1	Head Assy., Drive End
GAU-31	1	Washer, Felt, Inner
GCE-68	1	Head
GG-6	1	Retainer, Bearing
GK-176	1	Retainer, Felt, Inner
GT-76	1	Retainer, Felt, Outer
GT-78	1	Washer, Felt, Outer
X-196	3	Lockwasher, Retainer, Screw #10
X-295	1	BEARING, BALL, S.A.E. #203
8X-311	3	Screw, Retainer, Rd. Hd., #10-32x3/8
X-489	1	Oiler, Press in Type, 1/4

Miscellaneous Parts

GCE-24	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd., #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square, #10-32

† BRUSH SET SERVICE GCE-2012S.

NOTE: VRP-4105A, CURRENT-VOLTAGE REGULATOR is used with, but is not a part of this generator.

UNIT	APPLICATION
GEG-4830-1	Owens Yacht

(Issued 8-24-48)

Printed in U. S. A.

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DK-23	2	Bolt, Thru
(GEB-2001A)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term. Outer
GAL-44	1	Insulation, Field Connection
GBW-34	1	Washer, Ins., Field Term. Outer
GBW-66	1	Insulation, Arm. Term., Inner
GBW-67	1	Insulation, Field, Term., Inner
GBY-38	2	Screw, Pole Shoe
GC-26	1	Washer, Ins., Arm. Term., Outer
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Field Term.
GEB-1005	1	Coil Assy., Field, Complete
GEA-30	1	Lead Assy.
X-847	1	Terminal
GEB-27	1	Stud, Arm. Term., #14-24
GEB-58	1	Stud, Field Term., #10-32
GEB-1007A	1	Coil, Field, Left
GEB-1008A	1	Coil, Field, Right
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term., Hex., #14-24
X-193	2	Lockwasher, Arm. Term., #14
X-196	2	Lockwasher, Field Term., #10
8X-349	1	Washer, Plain, Field Term., #10
8X-361	1	Washer, Plain, Arm. Term., 1/4
8X-1377	2	Nut, Field Term., Hex., #10-32
12X-196	1	Lockwasher, Ground Screw, #10
12X-1014	2	Lockwasher, Thru Bolt, 5/16
8X-1368	1	Screw, Ground, Rd. Hd. #10-32x 7/16

Comm. End Head Assembly & Parts Used With

DA-22	1	Washer, Bearing Retaining
DA-39	1	Washer, Plain
DA-60	1	Screw, Bearing Retaining
DH-7	1	Washer, Felt, Comm. End Inner
GBJ-25	1	Gasket, Comm. End Cover
GBJ-32A	1	Cover, Comm. End
GCE-2118	1	Head Assy., Comm. End
GCE-53	2	Spring, Brush
GCE-54	2	Arm, Brush
GCE-1012†	2	Brush
12X-195	2	Lockwasher, Brush Lead Sc., #8
12X-196	3	Lockwasher, Cover Screw, #10
12X-199	1	Lockwasher, Brg. Retaining Sc., 1/4
		1 2 3 4 5

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
X-295	1	Bearing, Ball, S.A.E. #203
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler, Hinge Top, Press in, 1/4
X-870	3	Screw, Cover, Fil. Hd. #10-32x5/16

Armature Assembly & Parts Used With

GBM-21	1	Nut, Armature Shaft
GEG-2144F	1	Armature
GEH-28	1	Spacer, Armature Shaft
SP-851	1	Pulley, Drive
X-263	1	Key, Woodruff, #8
12X-864	1	Lockwasher, Shaft

Drive End Head Assembly & Parts Used With

GEH-1027A	1	Head Assy., Drive End
DB-17	1	Washer, Felt Retaining Outer
GAR-95	2	Washer, Felt
GBC-25	1	Retainer, Felt Washer, Inner
GEH-27A	1	Head
GX-9	1	Retainer, Bearing
12X-196	3	Lockwasher, Retainer Sc., #10
X-298	1	Bearing, Ball, S.A.E. #204
8X-311	3	Screw, Bearing Retainer Rd. Hd., #10-32x3/8
X-489	1	Oiler, Press in Type, 1/4

Miscellaneous Parts

GCE-24	1	Band, Cover
8X-715	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/4
8X-794	1	Nut, Cover Band, Square #10-32
		1 2 3 4 5

† Brush Set, Service GCE-2012S.

NOTE:- VRP-4006J Current-Voltage Regulator is used with but is not a part of this generator.

Unit	Application
GEG-4831A	White Motor

(Issued 10-25-46)

File in Equipment & Parts List Binder

Printed in U. S. A.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
DK-23	2	Bolt, Thru
(GEB-2025)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term., Outer
GAL-44	1	Insulation, Field Connection
GBW-34	1	Washer, Ins., Field Term., Outer
GBW-66	1	Insulation, Arm. Term., Inner
GBW-67	1	Insulation, Field Term., Inner
GBY-38A	2	Screw, Pole Shoe
GC-26	1	Washer, Ins., Arm. Term., Outer
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Field Term.
GEB-1005	1	COIL ASSY., FIELD, COMPLETE
GEB-27	1	Stud, Arm. Term., #14-24
GEB-58	1	Stud, Field Term., #10-32
GEB-90	1	Lead Assembly
X-847	1	Terminal
GEB-1007A	1	Coil, Field, Left
GEB-1008A	1	Coil, Field, Right
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term., Hex. #14-24
X-193	2	Lockwasher, Arm. Term., #14
X-196	2	Lockwasher, Field Term., #10
8X-349	1	Washer, Plain, Field, Term., #10
8X-361	1	Washer, Plain, Arm. Term., 1/4
8X-1377	2	Nut, Field Term., Hex. #10-32
12X-196	1	Lockwasher, Grd. Sc., #10
8X-321	1	Screw, Grd., Rd. Hd. #10-32x5/16
12X-1014	2	Lockwasher, Thru Bolt, 5/16

Comm. End Head Assembly & Parts Used With

DA-39	2	Washer, Plain, Felt Retaining
DA-132	1	Washer, Felt, C.E. Outer
DH-7	1	Washer, Felt, C.E. Inner
GAR-83A	1	Cover, Comm. End
GBJ-25	1	Gasket, C.E. Cover
GEH-2002	1	Head Assy., Comm. End
GCE-53	2	Spring, Brush
GCE-54	2	Arm, Brush
GCE-1012†	2	Brush

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
12X-195	2	Lockwasher, Brush Lead Sc., #8
X-295	1	BEARING, BALL, S.A.E. #203
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler
8X-726	3	Screw, C.E. Cover, Bdg. Hd. #10-32x7/16
X-1270	3	Washer, C.E. Cover, Skpf. #10

Armature Assembly & Parts Used With

DG-1144	1	Oil Thrower
GBM-21B	1	Nut, Armature Shaft, C.E.
GEG-2054F	1	ARMATURE
SP-494	1	Fan, Ventilating
X-157	1	Nut, Shaft, D.E., Slotted 1/2-20
X-258	1	Key, Woodruff, #3
X-263	1	Key, Woodruff, D.E., #8
X-358	1	Washer, Plain, D.E., 1/2
X-404	1	Pin, Cotter, 3/32x1
12X-864	1	Lockwasher, Shaft, C.E.

Drive End Head Assembly & Parts Used With

GCE-1057	1	Head Assy., Drive End
GAE-47	1	Retainer, Bearing
GCE-57	1	Head, Drive End
8X-66	3	Screw, Retainer, Flat Hd. #10-32x1/2
X-298	1	BEARING, BALL, S.A.E. #204
X-489	1	Oiler
X-1621	3	Washer, Retainer Sc., Skpf., #10

Miscellaneous Parts

GCE-24	1	Band, Cover
X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GCE-2012S.

NOTE: VRP-4006F or VRP-4004E CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GEG-4834	Diamond T

(Issued 4-1-49)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
DK-23C	2	Bolt, Thru
(GEB-2089A)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Field Term. Outer
GBW-66	1	Insulation, Field Term. Inner
GBY-38C	2	Screw, Pole Shoe
GCY-28A	1	Bushing, Ins., Arm. Term.
GDW-22	1	Insulation, Arm. Term.,Inner
GC-26	1	Washer, Ins., Field Term., Outer
GEB-1005C	1	COIL ASSY., FIELD, COMP.
GDW-23A	1	Stud, Arm. Term., 5/16-24
GDW-28A	1	Stud, Field Term.,1/4-28
GEB-90	1	Lead Assy.
X-847	1	Terminal
GEB-1007E	1	Coil, Field, Left
GEB-1008E	1	Coil, Field, Right
GFL-23	1	Bushing, Ins., Field Term.
MN-21A	2	Pin, Dowel
MU-37G	1	Washer, Plain, Arm. Term., 5/16
SS-13	1	Washer, Ins., Arm. Term., Outer
VAD-79	1	Washer, Ins., Arm. Term. Outer
X-180	2	Nut, Arm. Term. Hex., 5/16-24
X-187	1	Washer, Plain, Field Term., #14
12X-199	2	Lockwasher, Field Term., 1/4
12X-1014	2	Lockwasher, Arm. Term., 5/16
X-2903	2	Nut, Field Term., Hex.1/4-28
X-20	1	Screw, Ground, Rd. Hd. #10-32x5/16
12X-196	1	Lockwasher, Ground Screw, #10
12X-1014	2	Lockwasher, Thru Bolt, 5/16

Comm. End Head Assembly & Parts Used With

GCB-3081A	1	Head Assy., Comm. End
GCE-53A	2	Spring, Brush
GCE-54A	2	Arm, Brush
GCE-1012†	2	Brush
GEG-49	1	Retainer, Felt Washer
GT-78A	1	Washer, Felt
GEG-53	1	Gasket, Brg. Retaining
GEG-54	1	Nut, Arm. Shaft
GEG-1050	1	Retainer Assy., Bearing
GEG-49	1	Retainer, Felt Washer
GT-78A	1	Washer, Felt

Comm. End Head Assembly & Parts (Con't.)

Part No.	No. Used	Name of Part
X-10	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
12X-195	2	Lockwasher, Brush Lead Sc., #8
12X-196	4	Lockwasher, Cover Screw, #10
X-295	1	BEARING, BALL, S.A.E. #203
X-489A	1	Oiler, Hinge Top, Press In, 1/4
X-2890	4	Screw, C.E. Cover, Fill. Hd. #10-32x1

Armature Assembly & Parts Used With

GEG-55	1	Spacer, Arm. Shaft
GEG-2149FM	1	ARMATURE
GJ-104B	1	Spacer, Arm. Shaft
GJ-179A	1	Washer, Plain
19X-160	1	Nut, Shaft, D.E., Hex. 7/16-20
12X-205	1	Lockwasher, Shaft, D.E., 7/16
X-261	2	Key, Woodruff, #6

Drive End Head Assembly & Parts Used With

GCE-1150A	1	Head Assy., Drive End
GBM-124	1	Gasket, Retainer
GBM-125	1	Retainer, Felt, Inner
GBM-127	1	Retainer, Bearing
GBM-128	1	Retainer, Felt, Outer
GCE-150A	1	Head
GG-164A	2	Washer, Felt
12X-196	3	Lockwasher, Retainer Sc., #10
X-295	1	BEARING, BALL, S.A.E. #203
19X-311	3	Screw, Retainer, Rd. Hd. #10-32x3/8
X-489A	1	Oiler, Press in Type, 1/4

Miscellaneous Parts

GEG-1024	1	Band, Cover
X-2873	1	Screw, Cover Band, Rd. Hd. #10-32x 1 1/4
X-2875	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GCE-2012S.

NOTE: VRP-4105AM CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GEG-4835M-1	Gray Marine

(Issued 8-24-48)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part 1 2 3 4 5
DK-23B	2	Thru Bolt
(GEB-2091)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term. Outer
GAL-44	1	Insulation, Field, Connection
GBW-34	1	Washer, Ins., Field Term., Outer
GBW-66	1	Insulation, Arm. Term., Inner
GBW-67	1	Insulation, Field Term.,, Inner
GBY-38A	2	Screw, Pole Shoe
GC-26	1	Washer, Ins., Arm. Term., Outer
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Field Term.
GEB-1005	1	COIL ASSY., FIELD, COMP.
GEB-27	1	Stud, Arm. Term.,#14-24
GEB-58	1	Stud, Field Term.,#10-32
GEB-90	1	Lead Assy.
X-847	1	Terminal
GEB-1007A	1	Coil, Field, Left
GEB-1008A	1	Coil, Field, Right
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term., Hex.#14-24
12X-193	2	Lockwasher, Arm. Term.,#14
12X-196	2	Lockwasher, Field Term.,#10
8X-349	1	Washer, Plain, Field Term., #10
8X-361	1	Washer, Plain, Arm. Term., 1/4
8X-1377	2	Nut, Field Term., Hex.#10-32
12X-196	1	Lockwasher, Ground Screw, #10
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16
12X-1014	2	Lockwasher, Thru Bolt, 5/16

Comm. End Head Assembly & Parts Used With

DA-39	2	Washer, Plain
DA-132	1	Washer, Felt, C.E. Outer
DH-7	1	Washer, Felt, Comm. End,Inner
GAR-83B	1	Cover, Comm. End
GBJ-25	1	Gasket, Comm. End Cover
GEH-3049	1	Head Assy., Comm. End
GCE-53	2	Spring, Brush
GCE-54	2	Arm, Brush
GCE-1012 †	2	Brush
12X-195	2	Lockwasher, Brush Lead Sc.,#8
X-295	1	BEARING, BALL, S.A.E. #203
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler, Hinge Top, Press in, 1/4

1 2 3 4 5

Comm. End Head Assy., (Continued)

Part No.	No. Used	Name of Part 1 2 3 4 5
8X-726	3	Screw, C.E. Cover, Bdg. Hd. #10-32x7/16
X-1270	3	Washer, C.E. Cover, Skpf. #10

Armature Assembly & Parts Used With

GAE-46	1	Spacer, Armature Shaft
GBM-21B	1	Nut, Shaft, Hex.
GEG-2068F	1	ARMATURE
SP-494	1	Fan, Ventilating
8X-157	1	Nut, Shaft, D.E., Slotted 1/2-20
X-258	1	Key, Woodruff, #3
X-263	1	Key, Woodruff, D.E. #8
8X-358	1	Washer, Shaft, Plain 1/2
X-404	1	Pin, Cotter, 3/32x1
12X-864	1	Lockwasher, Shaft, C.E.

Drive End Head Assembly & Parts Used With

GEG-1062	1	Head Assy., Drive End
GEG-62	1	Head, Drive End
GFM-4B	4	Screw, Bearing Retainer, Fil. Hd., #10-32x1/2
GGA-39	1	Washer, Felt
GGA-40	1	Retainer, Felt Washer
GGA-42	1	Retainer, Bearing
X-2926	1	BEARING, BALL, S.A.E. #304

Miscellaneous Parts

GCE-24	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

1 2 3 4 5

NOTE: VRP-4004E CURRENT-VOLTAGE REGULATOR is used with but is not a part of this Generator.

† BRUSH SET, SERVICE GCE-2012S.

NOTE: Part numbers shown in parenthesis are not recommended for service.

UNIT	APPLICATION
GEG-4836	Autocar

(Issued 1-21-48)

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

PRELIMINARY

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DK-23	2	Frame Screw
(GEB-2071A)	1	Frame & Field Assembly
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-66	1	Terminal Post Bottom Ins.
GBW-67	1	Terminal Post Bottom Ins.
GBY-38A	2	Pole Piece Screw
GC-26	1	Insulating Washer
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
GEB-29	2	Pole Piece
GEB-44	1	Lead Assembly
GEB-45	1	Terminal Post
X-847	1	Terminal
GEB-1005A	1	FIELD COIL ASSY.- Comp.
GEB-58	1	Terminal Post
GEB-1007A	1	Field Coil - Left
GEB-1008B	1	Field Coil Assy.-Right
X-959	1	Terminal
MN-21	2	Dowel Pin
8X-140	1	#6-32 Hex. Nut
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-194	1	#6 Lock Washer
12X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
8X-1420	1	#6-32x9/16 Flat Hd. Sc.
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	2	#10 Lock Washer
12X-203	2	5/16 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

DA-22	1	Bearing Retaining Washer
DA-39	1	Flat Oil Guard
DA-60	1	Bearing Retaining Screw
DH-7	1	Felt Washer
GBJ-25	1	End Cap Cover Gasket
GBJ-32A	1	Comm. End Cap Cover
GCE-2118	1	Comm. End Plate Assembly
GCE-53	2	Brush Spring
GCE-54	2	Brush Arm
GCE-1012‡	2	Brush - Main
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-195	1	#8 Lock Washer
X-199	1	1/4 Lock Washer
X-295	1	BALL BEARING - S.A.E. #203
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
12X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GEG-2120F	1	ARMATURE ASSEMBLY
GEW-31	1	1/2 Plain Washer
SP-484	1	Drive Pulley
X-156	1	1/2-20 Castellated Nut
X-260	1	#5 Woodruff Key
X-404	1	3/32x1 Cotter Pin

Drive End Head Assembly & Parts Used With

GCE-1125	1	Drive End Head Assembly
GAU-31	1	Felt Washer
GCE-125	1	Drive End Head
GG-6	1	Bearing Retainer
GK-176	1	Felt Washer Retainer
GT-76	1	Felt Washer Retainer
GT-78	1	Felt Washer
X-196	3	#10 Lock Washer
X-295	1	BALL BRG.- S.A.E. #203
8X-311	3	#10-32x3/8 Rd. Hd. Sc.
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

GCE-24	1	Head Band
8X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 10-2-41)

‡ SERVICE BRUSH SET GCE-2012S.

NOTE:- VRY-4203A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GEG-5001A	Willys-Overland

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GEG-5002, A,B,C,D,E,F GENERATOR PARTS LIST GEG-5002, A,B,C,D,E,F

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DK-23	2	Bolt, Thru
(GEB-2071A)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GBW-34	1	Washer Ins., Field Term., Outer
GBW-66	1	Ins., Arm. Term., Inner
GBW-67	1	Ins., Field Term., Inner
GBY-38A	2	Screw, Pole Shoe
GC-26	1	Washer, Ins., Arm. Term. Outer
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Field Term.
GEB-44	1	Lead Assy.
GEB-27	1	Stud, Arm. Term., #14-24
X-975	1	Terminal
GEB-1005A	1	Coil Assy., Field, Comp.
GEB-58	1	Stud, Field Term., #10-32
GEB-1007A	1	Coil, Field, Left
GEB-1008B	1	Coil Assy., Field, Right
X-959	1	Terminal
MAK-49	1	Washer, Ins., Arm. Term., Outer
MN-21	2	Pin, Dowel
8X-140	1	Nut Field Ground, Hex., #6-32
8X-177	2	Nut, Arm. Term., Hex., #14-24
12X-193	2	Lockwasher, Arm. Term., #14
12X-194	1	Lockwasher Field Ground, #6
12X-196	2	Lockwasher, Field Term., #10
8X-349	1	Washer, Plain, Field Term., #10
8X-361	1	Washer, Plain, Arm. Term., 1/4
8X-1377	2	Nut, Field Term., Hex., #10-32
8X-1420	1	Screw, Field Ground Flat Hd., #6-32x9/16
12X-196	1	Lockwasher, Field Term., #10
12X-1014	2	Lockwasher, Thru Bolt, 5/16
8X-1368	1	Screw, Ground, Rd. Hd. #10-32 x7/16

Comm. End Head Assembly & Parts Used With

DA-22	1	Washer, Bearing Retaining
DA-60	1	Screw, Bearing Retaining
DH-7	1	Washer, Felt, C.E. Inner
GBJ-25	1	Gasket, C.E. Cover
GBJ-32A	1	Cover, Comm. End
GCE-2118A	1	Head Assy., Comm. End
GCE-53	2	Spring, Brush
GCE-54	2	Arm, Brush
GCE-1012†	2	Brush
		1 2 3 4 5

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
X-195	2	Lockwasher, Brush Lead Sc., #8
12X-196	3	Lockwasher, Cover Screw, #10
X-199	1	Lockwasher, Brg. Retaining Sc., 1/4
8X-305	2	Screw Brush Lead, Rd. Hd. #8-32x1/4
8X-870	3	Screw, Cover, Fil. Hd. #10-32x 5/16
X-1655	1	Bearing, Ball, Shielded, S.A.E. #203

Armature Assembly & Parts Used With

*	1	Spacer, Shaft
GEG-2120F	1	Armature
GEW-31	1	Washer, Plain, Arm. Shaft
*	1	Pulley
X-156	1	Nut, Shaft, Castellated 1/2-20
X-260	1	Key, Woodruff, #5
X-404	1	Pin, Cotter, 3/32x1

Drive End Head Assembly & Parts Used With

GCE-1125A	1	Head Assy., Drive End
DA-39	1	Washer, Felt Retaining
GAU-31	1	Washer, Felt, Inner
GCE-125A	1	Head
GG-6	1	Retainer, Bearing
GT-78	1	Washer, Felt, Outer
X-196	3	Lockwasher, Bearing Retainer Screw #10
8X-311	3	Screw, Bearing Retainer, Rd. Hd. #10-32x3/8
X-1655	1	Bearing, Ball, Shielded, S.A.E. #203

Miscellaneous Parts

GCE-24	1	Band Cover
8X-715	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/4
8X-794	1	Nut, Cover Band, Square #10-32
		1 2 3 4 5

Assembly No.	Spacer, Shaft	Pulley	Regulator
GEG-5002	None	None	VRY-4203B
GEG-5002A	None	SP-502AS	VRY-4203A
GEG-5002B	None	SP-517	VRY-4203B
GEG-5002C	None	SP-571	VRY-4203A
GEG-5002D	GEG-31	SP-484AS	VRY-4203A
GEG-5002E	None	SP-640	VRY-4203A
GEG-5002F	GEG-31	SP-484ABS	VRY-4203A

† Brush Set, Service GCE-2012S.

* See table following parts list for part number applying to assembly wanted.

NOTE:- * Current-Voltage Regulator is used with but is not a part of this generator.

(Issued 9-11-46)

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GEG-5101, A,C,D,E,F GENERATOR PARTS LIST GEG-5101, A,C,D,E,F

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DK-23	2	Bolt, Thru
(GEB-2071A)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GBW-34	1	Washer, Ins., Field Term., Outer
GBW-66	1	Insulation, Arm. Term., Inner
GBW-67	1	Insulation, Field Term., Inner
GBY-38A	2	Screw, Pole Shoe
GC-26	1	Washer, Ins., Arm. Term. Outer
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Field Term.
GEB-44	1	Lead Assy.
GEB-27	1	Stud, Arm. Term., #14-24
X-975	1	Terminal
GEB-1005A	1	Coil Assy., Field, Comp.
GEB-58	1	Stud, Field Term., #10-32
GEB-1007A	1	Coil, Field Left
GEB-1008B	1	Coil Assy., Field, Right
X-959	1	Terminal
MAK-49	1	Washer, Ins., Arm. Term., Outer
MN-21	2	Pin, Dowel
8X-140	1	Nut, Field Ground, Hex., #6-32
8X-177	2	Nut, Arm. Term., Hex. #14-24
12X-193	2	Lockwasher, Arm. Term., #14
12X-194	1	Lockwasher Field Ground, #6
12X-196	2	Lockwasher, Field Term., #10
8X-349	1	Washer, Plain, Field Term., #10
8X-361	1	Washer, Plain, Arm. Term., 1/4
8X-1377	2	Nut, Field Term., Hex., #10-32
8X-1420	1	Screw, Field Ground Flat Hd., #6-32x9/16
12X-196	1	Lockwasher, Field Term., #10
12X-1014	2	Lockwasher, Thru Bolt, 5/16
8X-1368	1	Screw, Ground, Rd. Hd. #10-32 x7/16

Comm. End Head Assembly & Parts Used With

(GCE-2133)	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBW-69	1	Gasket, Comm. End Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GCE-1012†	2	Brush
		1 2 3 4 5

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCE-1133A	1	Head Assy., Partial, C.E.
GBF-79	1	Bearing, Absorbent Bronze
GCE-53	2	Spring, Brush
GCE-54	2	Arm, Brush
GEG-1030	1	Cover Assy., Comm. End
GEG-33	1	Plug, Felt
12X-195	4	Lockwasher, C.E. Cover Sc., #8
X-489	1	Oiler, Hinge Top, Press in, 1/4
8X-888	4	Screw, Cover, Fil. Hd., #8-32x 5/16
X-195	2	Lockwasher, Brush Lead Sc., #8
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

GEG-31	1	Spacer, Shaft
GEG-2134F	1	Armature
GEW-31	1	Washer, Plain, Arm. Shaft
*	1	Pulley
X-156	1	Nut, Shaft, Castellated 1/2-20
X-260	1	Key, Woodruff, #5
X-404	1	Pin, Cotter, 3/32x1

Drive End Head Assembly & Parts Used With

GCE-1125A	1	Head Assy., Drive End
DA-39	1	Washer, Felt Retaining
GAU-31	1	Washer, Felt, Inner
GCE-125A	1	Head
GG-6	1	Retainer, Bearing
GT-78	1	Washer, Felt, Outer
X-196	3	Lockwasher, Bearing Retainer Screw #10
8X-311	3	Sc., Brg. Retainer, Rd. Hd. #10-32x3/8
X-1655	1	Bearing, Ball, Shielded, S.A.E. #203

Miscellaneous Parts

GCE-24	1	Band, Cover
8X-715	1	Screw, Cover Band, Rd. Hd. #10-32 x1 1/4
8X-794	1	Nut, Cover Band, Square #10-32
		1 2 3 4 5

Assembly No.	Pulley	Regulator
GEG-5101	None	VRY-4203A
GEG-5101A	SP-502AS	VRY-4203A
GEG-5101C	SP-571A	VRY-4203A
GEG-5101D	SP-484AS	VRY-4203A
GEG-5101E	SP-640AS	VRY-4203A
GEG-5101F	SP-484ABS	VRY-4204A

NOTE:- * Current-Voltage Regulator is used with but is not a part of this generator.

* See table following parts list for part number applying to assembly wanted.

† Brush Set, Service GCE-2012S.

(Issued 9-11-46)

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File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GEG-6001A,B,C,D,E,F,S,S-1 GENERATOR PARTS LIST

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
DK-23C	2	Bolt, Thru
GEB-2092	1	Frame & Field Assembly
GAA-32	1	Washer, Ins., Arm. Term., Outer
GAL-44	1	Insulation, Field Connection
GBW-34	1	Washer, Ins., Field Term., Outer
GBW-66	1	Insulation, Arm. Term., Inner
GBW-67	1	Insulation, Field Term., Inner
GBY-38A	2	Screw, Pole Shoe
GC-26	1	Washer, Ins., Arm. Term., Outer
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Field Term.
GEB-1005	1	COIL ASSY., FIELD, COMPLETE
GEB-27	1	Stud, Arm. Term., #14-24
GEB-58	1	Stud, Field Term., #10-32
GEB-90	1	Lead Assembly
X-847	1	Terminal
GEB-1007A	1	Coil, Field, Left
GEB-1008A	1	Coil, Field, Right
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term., Hex. #14-24
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-349	1	Washer, Plain, Field Term. #10
8X-361	1	Washer, Plain, Arm. Term., 1/4
8X-1377	2	Nut, Field Term., Hex. #10-32
GEG-65 †	1	Bracket, Gen. Mtg.
12X-196	1	Lockwasher, Ground Screw, #10
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16
8X-832 †	2	Nut, Brkt. Sc., Hex. 5/16-24
8X-863 †	2	Screw, Brkt., Hex. Hd. 5/16-24x1 1/4
12X-1014 †	2	Lockwasher, Brkt. Sc., 5/16
12X-1014	2	Lockwasher, Thru Bolt, 5/16

Comm. End Head Assy. & Parts Used With

Part No.	No. Used	Name of Part
DA-22	1	Washer, Bearing Retaining
DA-39	1	Washer, Plain, Felt Retaining
DA-60	1	Screw, Bearing Retaining
DH-7	1	Washer, Felt, C.E. Inner
GBJ-25	1	Gasket, C.E. Cover
GBJ-32A	1	Cover, Comm. End
GCE-2002S	1	Head Assy., Comm. End
GCE-53	2	Spring, Brush
GCE-54	2	Arm, Brush
GCE-2012S	1	BRUSH SET, SERVICE
12X-195	2	Lockwasher, Lead Sc., #8
12X-196	3	Lockwasher, Cover Screw, #10
12X-199	1	Lockwasher, Brg. Retaining Sc., 1/4
X-295	1	BEARING, BALL, S.A.E. #203
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler
8X-870	3	Screw, Cover, Fill. Hd. #10-32x5/16

Armature Assembly & Parts Used With

*	1	Nut, Shaft, Hex. .669-20
GEG-31	1	Spacer, Arm. Shaft
GEG-2006F	1	ARMATURE
*	1	Pulley, Drive
X-261	1	Key, Woodruff, #6
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assy. & Parts Used With

GEW-1003	1	Head Assy., Drive End
GAU-31	1	Washer, Felt, Inner
GEW-3	1	Head, Drive End
GG-6	1	Retainer, Bearing
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
GK-176	1	Retainer, Felt, Inner
GT-76	1	Retainer, Felt, Outer
GT-78	1	Washer, Felt, Outer
12X-196	3	Lockwasher, Brg. Retaining Sc., #10
X-295	1	BEARING, BALL, S.A.E. #203
X-489	1	Oiler

Miscellaneous Parts

GCE-24	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

* See table following parts list for part numbers applying to assembly wanted.

(Continued Reverse Side)

Printed in U. S. A.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GEG-6001A,B,C,D,E,F,S,S-1 GENERATOR PARTS (Cont.)

Assembly No.	Nut	Pulley	Regulator
GEG-6001A	GBM-21B	SP-887	VRP-4401C
GEG-6001B	GBM-21B	SP-894	VRP-4404A
GEG-6001C	SP-357A	SP-900	VRP-4004E
GEG-6001D	GBM-21B	SP-496A	VRP-4004E
GEG-6001E	GBM-21B	SP-976	VBA-6003A
GEG-6001F	GBM-21B	PU-43	VRP-6007A
GEG-6001S	GBM-21B	None	VRP-4501C (Pos. Grd.) VRP-4502A (Neg. Grd.)
GEG-6001S-1	GBM-21B	None	VRP-4404A

† These parts used with GEG-6001D assembly only.

NOTE: * CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GEG-6001A	Checker Cab
GEG-6001B	Dodge Truck
GEG-6001C	Studebaker
GEG-6001D	Diamond T
GEG-6001E	Ross Carrier
GEG-6001F	D.W. Onan
GEG-6001S	A-L Service
GEG-6001S-1	Chrysler Service

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
DK-23	2	Bolt, Thru
(GEH-3036)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term., Outer
GAL-44	1	Insulation, Field Connection
GBW-34	1	Washer, Ins., Field Term., Outer
GBW-66	1	Insulation, Arm. Term., Inner
GBW-67	1	Insulation, Field Term., Inner
GBY-38A	2	Screw, Pole Shoe
GC-26	1	Washer, Ins., Arm. Term., Outer
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Field Term.
GEH-2005	1	COIL ASSY., FIELD, COMP.
GEA-30A	1	Lead Assy.
X-847	1	Terminal
GEB-27	1	Stud, Arm. Term., #14-24
GEB-58	1	Stud, Field Term., #10-32
GEH-1007	1	Coil, Field, Left
GEH-1008	1	Coil, Field, Right
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term., Hex. #14-24
X-193	2	Lockwasher, Arm. Term., #14
X-196	2	Lockwasher, Field Term., #10
8X-349	1	Washer, Plain, Field Term., #10
8X-361	1	Washer, Plain, Arm. Term., 1/4
8X-1377	2	Nut, Field Term., Hex.#10-32
12X-196	1	Lockwasher, Ground Screw, #10
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16
12X-1014	2	Lockwasher, Thru Bolt, 5/16

Comm. End Head Assembly & Parts Used With

DA-39	2	Washer, Plain, Brg. Retaining
DA-132	1	Washer, Felt, C.E. Outer
DH-7	1	Washer, Felt, Comm. End, Inner
GAR-83A	1	Cover, Comm. End
GBJ-25	1	Gasket, Comm. End Cover
GCE-55A	1	Deflector, Air
GCE-3080	1	Head Assy., Comm. End
GCE-53	2	Spring, Brush
GCE-54	2	Arm, Brush
GCE-1012†	2	Brush
8X-66	3	Screw, Air Deflector, Flat Hd. #10-32x1/2

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
12X-195	2	Lockwasher, Brush Lead Sc., #8
X-295	1	BEARING, BALL, S.A.E. #203
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler, Hinge Top, Press in 1/4
8X-726	3	Screw, C.E. Cover, Bdg. Hd. #10-32x7/16
X-1270	3	Washer, C.E. Cover, Skpf., #10
X-1621	3	Washer, Air Deflector, Skpf. #10

Armature Assembly & Parts Used With

GAR-1177	1	Oil Thrower
GBM-21B	1	Nut, Shaft, Hex. .669-20
GEH-2087F	1	ARMATURE
SP-230A	1	Fan, Ventilating
X-157	1	Nut, Shaft, D.E., Slotted 1/2-20
X-258	1	Key, Woodruff, C.E., #3
X-263	1	Key, Woodruff, D.E., #8
X-358	1	Washer, Shaft, D.E., Plain 1/2
X-404	1	Pin, Cotter, 3/32x1
12X-864	1	Lockwasher, Shaft

Drive End Head Assembly & Parts Used With

GCE-1076	1	Head Assy., Drive End
GCE-76	1	Head
GX-9	1	Retainer, Bearing
GX-10	1	Gasket, Retainer
12X-196	3	Lockwasher, Retainer Sc., #10
8X-311	3	Screw, Bearing Retainer, Rd. Hd. #10-32x3/8
X-378	1	BEARING, BALL, SHIELDED, S.A.E. #204

Miscellaneous Parts

GCE-24	1	Band, Cover
X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
X-794	1	Nut, Cover Band, Square #10-32

NOTE: - VRS-4004F CURRENT VOLTAGE REGULATOR is used with but is not a part of this generator.

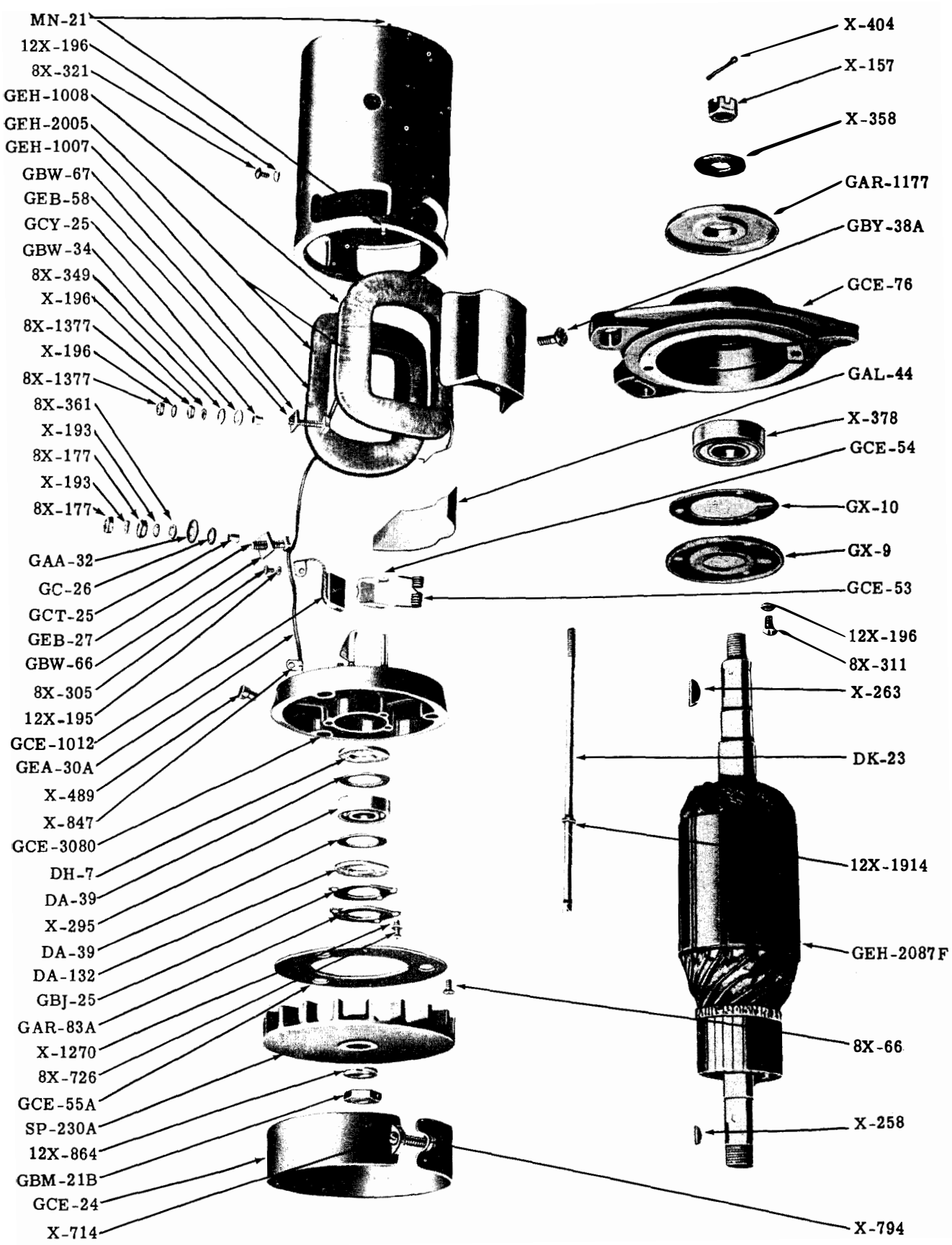
† BRUSH SET, SERVICE GCE-2012S.

UNIT	APPLICATION
GEH-4801	Buda, Climax

(Issued 6-16-48)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GEH-4801 GENERATOR PARTS ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
DK-23	2	Bolt, Thru
(GEH-3050)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term., Outer
GBW-34	1	Washer, Ins., Field Term., Outer
GBW-66	1	Insulation, Square, Arm. Term.
GBW-67	1	Insulation, Square, Field Term.
GBY-38A	2	Screw, Pole Shoe
GC-26	1	Washer, Ins., Arm. Term., Outer
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Field Term.
GEH-2005	1	COIL ASSY., FIELD, COMPLETE
GEA-30A	1	Lead Assy.
X-847	1	Terminal
GEB-27	1	Stud, Arm. Term., #14-24
GEB-58	1	Stud, Field Term., #10-32
GEH-1007	1	Coil, Field, Left
GEH-1008	1	Coil, Field, Right
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term., Hex. #14-24
12X-193	2	Lockwasher, Arm. Term., #14
12X-196	2	Lockwasher, Field Term., #10
8X-349	1	Washer, Field Term., Plain #10
8X-361	1	Washer, Arm. Term., Plain 1/4
8X-1377	2	Nut, Field Term., Hex. #10-32
12X-196	1	Lockwasher, Ground Sc., #10
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16
12X-1014	2	Lockwasher, Thru Bolt, 5/16

Comm. End Head Assembly & Parts Used With

DA-39	2	Washer, Felt Retaining
DA-132	1	Washer, Felt, Outer
DH-7	1	Washer, Felt, Inner
GAR-83A	1	Cover, Comm. End
GBJ-25	1	Gasket, C.E. Cover
GCB-3080	1	Head Assy., Comm. End
GCE-53	2	Spring, Brush
GCE-54	2	Arm, Brush
GCE-1012†	2	Brush

Comm. End Head Assembly & Parts (Cont'd.)

Part No.	No. Used	Name of Part
GJ-320	1	Nut, Arm. Shaft
12X-195	2	Lockwasher, Br. Lead Sc., #8
12X-196	3	Lockwasher, Cover Sc., #10
X-295	1	BEARING, BALL, S.A.E. #203
8X-305	2	Screw, Br. Lead, #8-32x1/4
X-489	1	Oiler
8X-870	3	Screw, C.E. Cover, Fill. Hd. #10-32x5/16

Armature Assembly & Parts Used With

GEH-2103F	1	ARMATURE
GJ-104	1	Spacer, Arm. Shaft
GJ-179	1	Washer, Plain, Shaft
X-160	1	Nut, Arm. Shaft, D.E.
12X-205	1	Lockwasher, Shaft, 7/16
X-261	2	Woodruff Key, #6

Drive End Head Assembly & Parts Used With

GCE-1068	1	Head Assy., Drive End
GAU-31	1	Washer, Felt, Inner
GCE-68	1	Head, Drive End
GG-6	1	Retainer, Bearing
GK-176	1	Retainer, Felt, Inner
GT-76	1	Retainer, Felt, Outer
GT-78	1	Washer, Felt, Outer
X-196	3	Lockwasher, Retainer Sc., #10
X-295	1	BEARING, BALL, S.A.E. #203
8X-311	3	Screw, Brg. Retainer, Rd. Hd. #10-32x3/8
X-489	1	Oiler

Miscellaneous Parts

GCE-24	1	Band, Cover
X-714	1	Screw, Cover Band, Rd. Hd. #10-32x 1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GCE-2012S.

NOTE: VRS-4007B CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GEH-4803- 1	Gray Marine

(Issued 4-12-50)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GEH-4806 GENERATOR PARTS LIST GEH-4806

PRELIMINARY

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DK-23A	2	Frame Screw
(GEH-2025)	1	Frame & Field Assembly
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-66	1	Terminal Post Bottom Ins.
GBW-67	1	Terminal Post Bottom Ins.
GBY-38	2	Pole Piece Screw
GC-26	1	Insulating Washer
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
GEB-29	2	Pole Piece
GEH-1005	1	FIELD COIL ASSY.- Comp.
GEA-30	1	Lead Assembly
X-847	1	Terminal
GEB-27	1	Terminal Post
GEB-58	1	Terminal Post
GEH-1007A	1	Field Coil - Left
GEH-1008A	1	Field Coil - Right
MN-21	2	Dowel Pin
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
5X-1377	1	#10-32 Hex. Nut
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	2	#10 Lock Washer
X-203	2	5/16 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
5X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

DA-39	2	Flat Oil Guard
DA-132	1	Felt Washer
DH-7	1	Felt Washer
GAR-83	1	Comm. End Cap Cover
GBJ-25	1	End Cap Cover Gasket
GCE-55	1	Air Deflector
GCE-2050	1	Comm. End Plate Assembly
GCE-53	2	Brush Spring
GCE-54	2	Brush Arm
GCE-1012†	2	Brush - Main
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Sc.
8X-62	6	#10-32x3/8 Flat Hd. Screw
X-195	1	#8 Lock Washer
X-295	1	BALL BEARING - S.A.E. #203
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DG-73	1	Armature Shaft Sleeve
DG-75	1	Bearing Spacer
GBM-21	1	Armature Shaft Nut
GEH-2063F	1	ARMATURE ASSEMBLY
SP-230	1	Ventilating Fan
X-258	1	#3 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GCE-1064	1	Drive End Head Assembly
DG-72	2	Felt Guard - With Oil Well
DG-74	2	Bearing Retainer
G-118	2	Felt Washer
GCE-64	1	Drive End Head
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-300	1	BALL BRG. - S.A.E. #205
8X-306	3	#10-32x1 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

GCE-24C	1	Head Band
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 7-2-41)

† SERVICE BRUSH SET GCE-2012S.

NOTE:- VRS-4004B CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GEH-4806	Ward LaFrance

Printed in U. S. A.

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DK-23A	2	Frame Screw
(GEH-2074)	1	Frame & Field Assy.
GAA-32	1	Term. Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-66	1	Term. Post Bottom Ins.
GBW-67	1	Term. Post Bottom Ins.
GBY-38	2	Pole Piece Screw
GC-26	1	Insulating Washer
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
GEB-29	2	Pole Piece
GEH-1005	1	FIELD COIL ASSY.-Comp.
GEA-30	1	Lead Assembly
X-847	1	Terminal
GEB-27	1	Terminal Post
GEB-58	1	Terminal Post
GEH-1007A	1	Field Coil - Left
GEH-1008A	1	Field Coil - Right
MN-21	2	Dowel Pin
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
5X-1377	1	#10-32 Hex. Nut
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	2	#10 Lock Washer
X-203	2	5/16 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Sc.
5X-1377	1	#10-32 Hex. Nut

Comm. End Head Assembly & Parts Used With

DA-22	1	Bearing Retaining Washer
DA-39	1	Flat Oil Guard
DA-60	1	Bearing Retaining Screw
DH-7	1	Felt Washer
GBJ-25	1	End Cap Cover Gasket
GBJ-32	1	Comm. End Cap Cover
GCE-2081	1	Comm. End Head Assy.
GCE-53	2	Brush Spring
GCE-54	2	Brush Arm
GCE-1012†	2	Brush - Main
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Sc.
X-195	1	#8 Lock Washer
X-199	1	1/4 Lock Washer
X-295	1	BALL BRG. - S.A.E. #203
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler-Press in Type
X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Sc.
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GEH-2126F	1	ARMATURE ASSEMBLY
GJ-104	1	Armature Shaft Spacer
GJ-179	1	7/16 Plain Washer
X-160	1	7/16-20 Hex. Nut
X-205	1	7/16 Lock Washer
X-261	1	#6 Woodruff Key

Drive End Head Assembly & Parts Used With

GCE-1068	1	Drive End Head Assy.
GAU-31	1	Felt Washer
GCE-68	1	Drive End Head
GG-6	1	Bearing Retainer
GK-176	1	Felt Washer Retainer
GT-76	1	Felt Washer Retainer
GT-78	1	Felt Washer
X-196	3	#10 Lock Washer
X-295	1	BALL BRG. - S.A.E. #203
8X-311	3	#10-32x3/8 Rd. Hd. Sc.
X-489	1	1/4 Oiler-Press in Type

Miscellaneous Parts

GEB-24	1	Head Band Assy.
X-715	1	#10-32x1 1/4 Rd. Hd. Sc.
X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 12-2-41)

† Service BRUSH SET GCE-2012S.

NOTE:- VRS-4007B CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GEH-4807	Kermath

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DK-23A	2	Frame Screw
(GEH-3073)	1	Frame & Field Assy.
GAA-32	1	Term. Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-66	1	Term. Post Bottom Ins.
GBW-67	1	Term. Post Bottom Ins.
GBY-38	2	Pole Piece Screw
GC-26	1	Insulating Washer
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
GEB-29	2	Pole Piece
GEH-2005	1	FIELD COIL ASSY.-Comp.
GEA-30	1	Lead Assembly
X-847	1	Terminal
GEB-27	1	Terminal Post
GEB-58	1	Terminal Post
GEH-1007	1	Field Coil - Left
GEH-1008	1	Field Coil - Right
MN-21	2	Dowel Pin
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
5X-1377	1	#10-32 Hex. Nut
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	2	#10 Lock Washer
X-203	2	5/16 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Sc.
5X-1377	1	#10-32 Hex. Nut

Comm. End Head Assembly & Parts Used With

DA-22	1	Bearing Retaining Washer
DA-39	1	Flat Oil Guard
DA-60	1	Bearing Retaining Screw
DH-7	1	Felt Washer
GBJ-25	1	End Cap Cover Gasket
GBJ-32	1	Comm. End Cap Cover
GCB-3080	1	Comm. End Head Assy.
GCE-53	2	Brush Spring
GCE-54	2	Brush Arm
GCE-1012†	2	Brush - Main
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Sc.
X-195	1	#8 Lock Washer
X-199	1	1/4 Lock Washer
X-295	1	BALL BRG. - S.A.E. #203
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler-Press in Type
X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Sc.
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GEH-2126F	1	ARMATURE ASSEMBLY
GJ-104	1	Armature Shaft Spacer
GJ-179	1	7/16 Plain Washer
X-160	1	7/16-20 Hex. Nut
X-205	1	7/16 Lock Washer
X-261	1	#6 Woodruff Key

Drive End Head Assembly & Parts Used With

GCE-1068	1	Drive End Head Assy.
GAU-31	1	Felt Washer
GCE-68	1	Drive End Head
GG-6	1	Bearing Retainer
GK-176	1	Felt Washer Retainer
GT-76	1	Felt Washer Retainer
GT-78	1	Felt Washer
X-196	3	#10 Lock Washer
X-295	1	BALL BRG. - S.A.E. #203
8X-311	3	#10-32x3/8 Rd. Hd. Sc.
X-489	1	1/4 Oiler-Press in Type

Miscelleneous Parts

GEB-24	1	Head Band
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 12-2-41)

† Service BRUSH SET GCE-2012S.

NOTE:- VRS-4007B CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GEH-4808	Kermath

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GEH-4812 GENERATOR PARTS LIST

GEH-4812
(Issued 3-29-51)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
DK-23C	2	Bolt, Thru
(GEH-3036)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term. Outer
GBW-34	1	Washer, Ins., Field Term., Outer
GBW-66	1	Insulation, Arm. Term., Inner
GBW-67	1	Insulation, Field Term., Inner
GBY-38A	2	Screw, Pole Shoe
GC-26	1	Washer, Ins., Arm. Term., Outer
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Field Term.
GEH-2005	1	COIL ASSY., FIELD, COMPLETE
GEA-30A	1	Lead Assy.
X-847	1	Terminal
GEB-27	1	Stud, Arm. Term., #14-24
GEB-58	1	Stud, Field Term., #10-32
GEH-1007	1	Coil, Field, Left
GEH-1008	1	Coil, Field, Right
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term., Hex. #14-24
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-349	1	Washer, Plain, Field Term., #10
8X-361	1	Washer, Plain, Arm. Term., 1/4
8X-1377	2	Nut, Field Term., Hex. #10-32
12X-196	1	Lockwasher, Grd. Sc., #10
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16
12X-1014	2	Lockwasher, Thru Bolt, 5/16

Comm. End Head Assembly & Parts Used With

DA-39	2	Washer, Plain
DA-132	1	Washer, Felt
DH-7	1	Washer, Felt, C.E., Inner
GAR-83A	1	Cover, Comm. End
GBJ-25	1	Gasket, Comm. End, Cover

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
GCE-3080	1	Head Assy., Comm. End
GCE-53	2	Spring, Brush
GCE-54	2	Arm, Brush
GCE-1012*	2	Brush
12X-195	2	Lockwasher, Lead Sc., #8
X-295	1	BEARING, BALL, S.A.E. #203
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler
8X-726	3	Screw, C.E. Cover, Bdg. Hd. #10-32x7/16
X-1270	3	Washer, Cover Screw, Skpf. #10

Armature Assembly & Parts Used With

GAR-1177	1	Oil Thrower
GBM-21B	1	Nut, Shaft, C.E.
GEH-2128F	1	ARMATURE
SP-230A	1	Ventilating Fan
X-157	1	Nut, Arm. Shaft, D.E.
X-258	1	Key, Woodruff, Fan, #3
X-260	1	Key, Woodruff, C.E., #5
X-263	1	Key, Woodruff, D.E., #8
X-358	1	Washer, Plain, Arm. Shaft, D.E.
X-404	1	Pin, Cotter, 3/32x1
12X-864	1	Lockwasher, Arm. Shaft, C.E.

Drive End Head Assembly & Parts Used With

GCE-1076	1	Head Assy., Drive End
GCE-76	1	Head, D.E.
GGW-52	3	Screw, Retainer, Rd. Hd. #10-32x1/2
GX-9	1	Retainer, Bearing
GX-10	1	Gasket, Retainer
12X-196	3	Lockwasher, Retainer Sc., #10
X-378	1	BEARING, BALL, SHIELDED, S.A.E. #204

Miscellaneous Parts

GCE-24	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

* GCE-2012S BRUSH SET, SERVICE.

NOTE: VRS-4004F CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GEH-4812	Lathrop Engine

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
DK-23	2	Bolt, Thru
(GEH-2025)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term., Outer
GBW-34	1	Washer, Ins., Field Term., Outer
GBW-66	1	Insulation, Arm. Term.,Inner
GBW-67	1	Insulation, Field Term.,Inner
GBY-38A	2	Screw, Pole Shoe
GC-26	1	Washer, Ins., Arm. Term., Outer
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Field Term.
GEH-1005	1	COIL ASSY., FIELD, COMPLETE
GEB-27	1	Stud, Arm. Term., #14-24
GEB-58	1	Stud, Field Term., #10-32
GEB-90A	1	Lead Assembly
X-847	1	Terminal
GEH-1007A	1	Coil, Field, Left
GEH-1008A	1	Coil, Field, Right
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term., Hex. #14-24
12X-193	2	Lockwasher, Arm. Term., #14
12X-196	2	Lockwasher, Field Term., #10
8X-349	1	Washer, Field Term., Plain #10
8X-361	1	Washer, Arm. Term., Plain 1/4
8X-1377	2	Nut, Field Term., Hex. #10-32
12X-196	1	Lockwasher, Ground Sc., #10
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16
12X-1014	2	Lockwasher, Thru Bolt, 5/16

Comm. End Head Assembly & Parts Used With

DA-39	2	Washer, Plain, Felt Retaining
DA-132	1	Felt Washer, C.E. Outer
DH-7	1	Felt Washer, C.E. Inner
GAR-83A	1	Cover, Comm. End
GBJ-25	1	Gasket, C.E. Cover
GCE-2050	1	Head Assy., Comm. End
GCE-53	2	Spring, Brush
GCE-54	2	Arm, Brush
GCE-1012†	2	Brush

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
X-195	2	Washer, Lock, Br. Lead, #8
X-295	1	BEARING, BALL, S.A.E.#203
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler
8X-726	3	Screw, C.E. Cover, Bdg. Hd. #10-32x7/16
X-1270	3	Washer, Cover Sc., Skpf. #10

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm. Shaft, C.E.
GEH-46	1	Spacer, Arm. Shaft
GEH-47	1	Oil Thrower
GEH-2063F	1	ARMATURE
SP-230A	1	Fan, Ventilating
X-258	1	Key, Woodruff, #3
12X-864	1	Lockwasher, Shaft, C.E.

Drive End Head Assy. & Parts Used With

GEH-1003S	1	Head Assy., Drive End
DG-72	1	Retainer, Brg., Inner
G-118	2	Washer, Felt
GEH-3S	1	Head, Drive End
GEH-44	1	Retainer, Brg., Outer
GEH-45	2	Retainer, Felt Washer
8X-173	3	Nut, Retainer Sc., Hex. #10-32
12X-196	3	Lockwasher, Retainer Screw, #10
X-300	1	BEARING, BALL, S.A.E. #205
8X-306	3	Screw, Retainer, Rd. Hd. #10-32x1
X-489	1	Oiler

Miscellaneous Parts

GCE-24	1	Band, Cover
X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GCE-2012S.

NOTE: VRS-4004F CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GEH-4816	Continental

(Issued 3-6-50)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
DK-23C	2	Bolt, Thru
(GEH-3083)	1	Frame & Field Assy.
GBW-66	1	Insulation, Field Term., Inner
GBY-38C	2	Screw, Pole Shoe
GCE-60S	1	Bracket, Gen. Mtg.
GCY-28A	1	Bushing, Ins., Arm. Term.
GDW-22	1	Insulation, Arm. Term., Inner
GDW-44	1	Washer, Ins., Field Term., Outer
GEH-2005C	1	COIL ASSY., FIELD, COMPLETE
GDW-23A	1	Stud, Arm. Term., 5/16-24
GDW-28A	1	Stud, Field Term., 1/4-28
GEA-30A	1	Lead Assy.
X-847	1	Terminal
GEH-1007D	1	Coil, Field, Left
GEH-1008C	1	Coil, Field, Right
GFL-23	1	Bushing, Ins., Field. Term.
GGE-35	1	Washer, Ins., Arm. Term., Outer
MN-21A	2	Pin, Dowel
MU-37G	1	Washer, Plain, Arm. Term.
19X-113	2	Screw, Mtg. Brkt., Hex. Hd. 5/16-24x5/8
X-180	2	Nut, Arm. Term., Hex. 5/16-24
X-187	1	Washer, Plain, Field Term., #14
12X-199	2	Lockwasher, Field Term., 1/4
12X-1014	4	Lockwasher, Arm. Term. & Bracket Sc., 5/16
X-2903	2	Nut, Field Term., Hex. 1/4-28
X-20	1	Screw, Ground, Rd. Hd. #10-32x5/16
12X-196	1	Lockwasher, Ground Screw, #10
12X-1014	2	Lockwasher, Thru Bolt, 5/16

Comm. End Head Assembly & Parts Used With

DA-39A	2	Washer, Plain, Brg. Retaining
DA-132	1	Washer, Felt, C.E., Outer
DH-7	1	Washer, Felt C.E., Inner
GAR-83C	1	Cover, Comm. End
GBJ-25	1	Gasket, C.E. Cover
GCE-3080A	1	Head Assy., Comm. End
GCE-53A	2	Spring, Brush
GCE-54A	2	Arm, Brush

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
GCE-1012†	2	Brush
X-10	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
12X-195	2	Lockwasher, Brush Lead Sc.,#8
X-295	1	BEARING, BALL, S.A.E. #203
X-489A	1	Oiler
19X-726	3	Screw, C.E. Cover, Bdg. Hd. #10-32x7/16
X-1270	3	Washer, Cover Sc., Skpf. #10

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Shaft, C.E.
GEB-86	1	Spacer, Armature Shaft
GEH-2138FM	1	ARMATURE
SP-230B	1	Fan, Ventilating
X-258	1	Key, Woodruff, #3, C.E.
X-266	1	Key, Woodruff, #A, D.E.
12X-864	1	Lockwasher, Shaft, C.E.
12X-1018	1	Lockwasher, Shaft, D.E.
8X-1134	1	Washer, Shaft, D.E., Plain
19X-1178	1	Nut, Shaft, D.E.

Drive End Head Assembly & Parts Used With

GCE-1139A	1	Head Assy., Drive End
GBC-74	1	Washer, Felt, Inner
GBC-75	1	Washer, Felt, Outer
GBC-76A	2	Retainer, Felt Washer
GBC-77A	1	Retainer, Bearing
GCE-139A	1	Head, Drive End
SA-31	1	Wick, Felt
X-21	3	Screw, Brg. Retainer, Rd. Hd. #10-32x3/8
12X-196	3	Lockwasher, Retainer Sc., #10
X-444	1	BEARING, BALL, S.A.E. #305
X-489A	1	Oiler

Miscellaneous Parts

GEB-24A	1	Band, Cover
X-2875	1	Nut, Cover Band, Square #10-32
X-2882	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2

† BRUSH SET, SERVICE GCE-2012S.

NOTE: VRS-4102CM CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GEH-4818M	Kahlenberg Bros.

(Issued 6-27-49)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
DK-23	2	Bolt, Thru
(GEH-2048A)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term. Outer
GAL-44	1	Insulation, Field Conn.
GBW-34	1	Washer, Field Term. Ins. Outer
GBW-66	1	Insulation, Arm. Term. Inner
GBW-67	1	Insulation, Field Term. Inner
GBY-38	2	Screw, Pole Shoe
GC-26	1	Washer, Ins., Arm. Term. Outer
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Field Term.
GEH-1005	1	COIL ASSY., FIELD, COMP.
GEB-27	1	Stud, Arm. Term., #14-24
GEB-58	1	Stud, Field Term., #10-32
GEB-90A	1	Lead Assy.
X-847	1	Terminal
GEH-1007A	1	Coil, Field, Left
GEH-1008A	1	Coil, Field, Right
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term., Hex. #14-24
X-193	2	Lockwasher, Arm. Term., #14
X-196	2	Lockwasher, Field Term., #10
8X-349	1	Washer, Field Term., Plain #10
8X-361	1	Washer, Arm. Term., Plain 1/4
8X-1377	2	Nut, Field Term., Hex. #10-32
X-196	1	Lockwasher, Ground Screw, #10
8X-321	1	Screw, Ground, Rd. Hd., #10-32x5/16
X-1014	2	Lockwasher, Thru Bolt, 5/16

Comm. End Head Assembly & Parts Used With

DA-39	2	Flat Oil Guard
DA-132	1	Felt Washer
DH-7	1	Felt Washer
GAR-83A	1	Cover, Comm. End
GBJ-25	1	Gasket, Comm. End Cover
GEH-2002	1	Head Assy., Comm. End
GCE-53	2	Spring, Brush
GCE-54	2	Arm, Brush
GCE-1012 †	2	Brush
X-195	2	Lockwasher, Brush Lead, #8

Comm. End Head Assembly (Con't.)

Part No.	No. Used	Name of Part
X-295	1	BEARING, BALL, S.A.E. #203
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler, Hinge Top, Press in, 1/4
8X-726	3	Screw, Attaching, C.E. Cover, Bdg. Hd. #10-32x7/16
X-1270	3	Washer, Skpf., C.E. Cover Sc., #10

Armature Assembly & Parts Used With

DA-70	1	Nut, Armature Shaft
GBM-21B	1	Nut, Armature Shaft, Hex., .669-20
GEH-2062F	1	ARMATURE
SP-494	1	Fan, Ventilating
X-160	1	Nut, Armature Shaft, D.E. Hex. 7/16-20
X-205	1	Lockwasher, Shaft, D.E., 7/16
X-258	1	Key, Woodruff, #3
X-261	1	Key, Woodruff, #6
X-864	1	Lockwasher, Arm. Shaft

Drive End Head Assembly & Parts Used With

GCE-2048	1	Head Assy., Drive End
GAU-31	1	Washer, Felt, Inner
GCE-48	1	Head
GG-6	1	Retainer, Bearing
GK-176	1	Retainer, Felt, Inner
GT-76	1	Retainer, Felt, Outer
GT-78	1	Washer, Felt, Outer
X-196	3	Lockwasher, #10
X-295	1	BEARING, BALL, S.A.E. #203
8X-311	3	Screw, Rd. Hd. #10-32x3/8
X-489	1	Oiler, Press in Type, 1/4

Miscellaneous Parts

GCE-24	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

NOTE: - VRX-4002B CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

† BRUSH SET, SERVICE GCE-2012S.

UNIT	APPLICATION
GEH-4819-2	Hall Scott

(Issued 6-15-48)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DK-23	2	Bolt, Thru
(GEH-2056A)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term. Outer
GAL-44	1	Insulation, Field Connection
GBW-34	1	Washer, Ins., Field Term., Outer
GBW-66	1	Insulation, Arm. Term., Inner
GBW-67	1	Insulation, Field Term., Inner
GBY-38A	2	Screw, Pole Shoe
GC-26	1	Washer, Ins., Arm. Term., Outer
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Field Term.
GEH-1005	1	Coil Assy., Field, Comp.
GEA-30A	1	Lead Assy.
X-847	1	Terminal
GEB-27	1	Stud, Arm. Term., #14-24
GEB-58	1	Stud, Field Term., #10-32
GEH-1007A	1	Coil, Left
GEH-1008A	1	Coil, Right
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term., Hex., #14-24
12X-193	2	Lockwasher. Arm. Term., #14
12X-196	2	Lockwasher, Field Term., #10
8X-349	1	Washer, Plain, Field Term., #10
8X-361	1	Washer, Plain, Arm. Term. 1/4
8X-1377	2	Nut, Field Term. Hex., #10-32
12X-196	1	Lockwasher, Ground Screw, #10
12X-1014	2	Lockwasher, Thru Bolt, 5/16
8X-1368	1	Screw, Ground, Rd. Hd., #10-32x7/16

Comm. End Head Assembly & Parts Used With

DA-22	1	Washer, Bearing Retainer
DA-60	1	Screw, Bearing Retainer
DH-7	1	Washer Felt, C.E., Inner
GBJ-25	1	Gasket, Comm. End Cover
GBJ-32A	1	Cover, Comm. End
GCE-2118A	1	Head Assy., Comm. End
GCE-53	2	Spring, Brush
GCE-54	2	Arm, Brush
GCE-1012†	2	Brush
X-195	1	Washer Lock, #8
8X-305	1	Screw, Rd. Hd., #7-32x1/4
X-195	2	Lockwasher, Brush Lead Sc., #8
12X-196	3	Lockwasher, Cover Screw, #10
X-199	1	Lockwasher, Brg. Retaining Sc. 1/4
		1 2 3 4 5

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
8X-305	2	Screw, Brush Lead, Rd. Hd., #8-32x1/4
8X-870	3	Screw, Cover, Fil. Hd., #10-32x5/16
X-1655	1	Bearing, Ball, Shielded, S.A.E. #203

Armature Assembly & Parts Used With

GEG-31	1	Spacer, Shaft
GEH-2120F	1	Armature
GEW-31	1	Washer, Plain, Shaft
SP-818	1	Pulley, Drive
X-156	1	Nut, Shaft, Castellated, 1/2-20
X-260	1	Key, Woodruff, #5
X-404	1	Pin, Cotter, 3/32x1

Drive End Head Assembly & Parts Used With

GCE-1119A	1	Head Assy., Drive End
DA-39	1	Washer, Felt Retaining
GAU-31	1	Washer, Felt, Inner
GCE-119A	1	Head, Drive End
GG-6	1	Retainer, Bearing
GT-78	1	Washer, Felt, Outer
X-196	3	Lockwasher, Retainer Screw., #10
8X-311	3	Screw, Retainer, Rd. Hd., #10-32x3/8
X-1655	1	Bearing, Ball, Shielded, S.A.E. #203

Miscellaneous Parts

GCE-24	1	Band, Cover
8X-715	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/4
8X-794	1	Nut, Square, #10-32
		1 2 3 4 5

NOTE:- VRX-4003D Current-Voltage Regulator is used with but is not a part of this generator.

† Brush Set, Service GCE-2012S.

Unit	Application
GEH-4820A-2	Buda

(Issued 1-14-47)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DK-23	2	Bolt, Thru
(GEH-2082)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term., Outer
GAL-44	1	Insulation, Field Connection
GBW-34	1	Washer, Ins., Field Term., Outer
GBW-66	1	Ins., Arm. Term., Inner
GBW-67	1	Ins., Field Term., Inner
GBY-38	2	Screw, Pole Shoe
GC-26	1	Washer, Ins., Arm. Term., Outer
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Field Term.
GEH-1005	1	Coil Assy., Field, Complete
GEA-30A	1	Lead Assy.
X-847	1	Terminal
GEB-27	1	Stud, Arm. Term., #14-24
GEB-58	1	Stud, Field Term., #10-32
GEH-1007A	1	Coil, Left
GEH-1008A	1	Coil, Right
MN-21	2	Pin, Dowel, Head Locating
8X-177	2	Nut, Arm. Term., Hex., #14-24
X-193	2	Lockwasher, Arm. Term., #14
X-196	2	Lockwasher, Field Term., #10
8X-349	1	Washer, Plain, Field Term., #10
8X-361	1	Washer, Plain, Arm. Term., 1/4
8X-1377	2	Nut, Field Term., Hex., #10-32
X-196	1	Lockwasher, Ground Screw, #10
8X-321	1	Screw, Ground, Rd. Hd. #10-32x 5/16
X-1014	2	Lockwasher, Thru Bolt, 5/16

Comm. End Head Assembly & Parts Used With

DA-22	1	Washer, Bearing Retaining
DA-39	1	Washer, Plain, Brg. Retaining
DA-60	1	Screw, Bearing Retaining
DH-7	1	Washer, Felt, C.E. Inner
GBJ-25	1	Gasket, Comm. End Cover
GBJ-32A	1	Cover, Comm. End
GCE-2118	1	Head Assy., Comm. End
GCE-53	2	Spring, Brush
GCE-54	2	Arm, Brush
GCE-1012†	2	Brush
X-195	2	Lockwasher, Brush Lead Sc., #8
X-196	3	Lockwasher, Cover Screw, #10
X-199	1	Lockwasher, Brg. Retaining Sc., 1/4
X-295	1	Bearing, Ball, S.A.E. #203
		1 2 3 4 5

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler, Hinge Top, Press in, 1/4
X-870	3	Screw, Cover, Fil. Hd. #10-32x5/16

Armature Assembly & Parts Used With

GBG-49	1	Spacer, Armature Shaft
GEH-2142F	1	Armature
GFR-56	1	Spacer, Armature Shaft, Outer
*	1	Pulley, Drive
*	1	Pin, Cotter, 3/32x1 1/8
X-1018	1	Washer, Lock, 5/8
X-1717	1	Nut, Castellated, Hex., 5/8-18

Drive End Head Assembly & Parts Used With

GEH-1084	1	Head Assy., Drive End
GBG-57	1	Retainer, Felt Washer
GBG-58	1	Washer, Felt Retaining
GBG-182	1	Gasket
GBG-1181	1	Retainer Assy., Bearing
GBG-57	1	Retainer, Felt Washer
GBG-58	1	Washer, Felt
GBG-181	1	Retainer, Bearing
GEH-84	1	Head
8X-119	4	Screw, Bearing Retainer Fil. Hd., #10-32x1/2
X-196	4	Lockwasher Retainer Sc. #10
X-444	1	Bearing, Ball S.A.E. #305
X-489	1	Oiler, Press in Type, 1/4

Miscellaneous Parts

GCE-24C	1	Band, Cover
8X-715	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/4
8X-794	1	Nut, Cover Band, Square #10-32
		1 2 3 4 5

NOTE:- VRX-4003D Current-Voltage Regulator is used with but is not a part of this generator.

† Brush Set, Service GCE-2012S.

Assembly No.	Pulley	Cotter Pin
GEH-4821A-2	SP-820	X-405
GEH-4821B-2	SP-847	None

Unit	Application
GEH-4821A-2,B-2	Continental

(Issued 1-14-47)

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
DK-23	2	Bolt, Thru
(GEH-2082)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term., Outer
GBW-34	1	Washer, Ins., Field Term., Outer
GBW-66	1	Insulation, Arm. Term.,Inner
GBW-67	1	Insulation, Field Term.,Inner
GBY-38A	2	Screw, Pole Shoe
GC-26	1	Washer, Ins., Arm. Term., Outer
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Field Term.
GEH-1005	1	COIL ASSY., FIELD, COMPLETE
GEB-27	1	Stud, Arm. Term., #14-24
GEB-58	1	Stud, Field Term., #10-32
GEB-90A	1	Lead Assy.
X-847	1	Terminal
GEH-1007A	1	Coil, Field, Left
GEH-1008A	1	Coil, Field, Right
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term., Hex. #14-24
X-193	2	Lockwasher, Arm. Term., #14
X-196	2	Lockwasher, Field Term., #10
8X-349	1	Washer, Plain, Field Term., #10
8X-361	1	Washer, Plain, Arm. Term., 1/4
8X-1377	2	Nut, Field Term., Hex. #10-32
12X-196	1	Lockwasher, Ground Screw, #10
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16
12X-1014	2	Lockwasher, Thru Bolt, 5/16

Comm. End Head Assembly & Parts Used With

DA-22	1	Washer, Bearing Retaining
DA-39	1	Washer, Plain, Felt Retaining
DA-60	1	Screw, Bearing, Retaining
DH-7	1	Washer, Felt, Comm. End
GBJ-25	1	Gasket, Comm. End Cover
GBJ-32A	1	Cover, Comm. End
GCE-2118E	1	Head Assy., Comm. End
GCE-53	2	Spring, Brush
GCE-54	2	Arm, Brush
GCE-1012†	2	Brush

Comm. End Head Assembly & Parts (Cont'd.)

Part No.	No. Used	Name of Part
12X-195	2	Lockwasher, Brush Lead Sc., #8
12X-196	3	Lockwasher, Cover Screw, #10
12X-199	1	Lockwasher, Brg. Retaining Screw, 1/4
X-295	1	BEARING, BALL, S.A.E. #203
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler
X-870	3	Screw, Cover, Fill. Hd., #10-32x5/16

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm. Shaft, D.E.
GEH-28	1	Spacer, Armature Shaft
GEH-2144F	1	ARMATURE
*	1	Pulley, Drive
X-263	1	Key, Woodruff, D.E., #8
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

GEH-1027B	1	Head Assy., Drive End
DB-17	1	Washer, Felt Retaining, Outer
GAR-95	2	Washer, Felt
GBC-25	1	Retainer, Felt Washer Inner
GEH-27B	1	Head, Drive End
GX-9	1	Retainer, Bearing
12X-196	3	Lockwasher, Retainer Sc., #10
X-298	1	BEARING, BALL, S.A.E. #204
8X-311	3	Screw, Bearing Retainer, Rd. Hd. #10-32x3/8
X-489	1	Oiler

Miscellaneous Parts

GCE-24	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

* See table following parts list for part number applying to assembly wanted.

Assembly No.	Pulley
GEH-4822A-2	SP-828
GEH-4822B-2	SP-829

NOTE: VRX-4003BX CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GEH-4822A-2	Continental
GEH-4822B-2	Ward La France

† BRUSH SET, SERVICE GCE-2012S.

(Issued 10-11-49)

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
DK-23C	2	Bolt, Thru
(GEH-2056A)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term. Outer
GBW-34	1	Washer, Ins., Field Term. Outer
GBW-66	1	Insulation, Arm. Term., Inner
GBW-67	1	Insulation, Field Term., Inner
GBY-38A	2	Screw, Pole Shoe
GC-26	1	Washer, Ins., Arm. Term. Outer
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Field Term.
GEH-1005	1	COIL ASSY., FIELD, COMPLETE
GEB-27	1	Stud, Arm. Term., #14-24
GEB-58	1	Stud, Field Term., #10-32
GEB-90A	1	Lead Assy.
X-847	1	Terminal
GEH-1007A	1	Coil, Field, Left
GEH-1008A	1	Coil, Field, Right
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term., Hex. #14-24
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-349	1	Washer, Plain, Field Term., #10
8X-361	1	Washer, Plain, Arm. Term., 1/4
8X-1377	2	Nut, Field Term., Hex. #10-32
12X-196	1	Lockwasher, Ground Screw, #10
12X-1014	2	Lockwasher, Thru Bolt, 5/16
8X-1368	1	Screw, Ground, Rd. Hd. #10-32x7/16

Comm. End Head Assembly & Parts Used With

DA-22	1	Washer, Bearing Retaining
DA-39	1	Washer, Plain, Felt Retaining
DA-60	1	Screw, Bearing Retaining
DH-7	1	Washer, Felt, Comm. End, Inner
GBJ-25	1	Gasket, Comm. End Cover

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
GBJ-32A	1	Cover, Comm. End
GCE-2012S	1	BRUSH SET, SERVICE
GCE-2145SS	1	Head Assy., Comm. End
GCE-53	2	Spring, Brush
GCE-54	2	Arm, Brush
12X-195	2	Lockwasher Lead Sc., #8
12X-196	3	Lockwasher, Cover Screw, #10
12X-199	1	Lockwasher, Brg. Retaining Sc., 1/4
X-295	1	BEARING, BALL, S.A.E. #203
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler, Hinge Top, Press In, 1/4
8X-870	3	Screw, Cover, Fill. Hd. #10-32x5/16

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm. Shaft, D.E.
GEG-31	1	Spacer, Shaft
GEH-2006F	1	ARMATURE
*	1	Pulley, Drive
X-261	1	Key, Woodruff, #6
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

GCE-1146	1	Head Assy., Drive End
GAU-31	1	Washer, Felt, Inner
GCE-146	1	Head
GG-6	1	Retainer, Bearing
GK-176	1	Retainer, Felt, Inner
GT-76	1	Retainer, Felt, Outer
GT-78	1	Washer, Felt, Outer
12X-196	3	Lockwasher, Retainer Sc.,#10
X-295	1	BEARING, BALL, S.A.E. #203
8X-311	3	Screw, Brg. Retainer Rd. Hd. #10-32x3/8
X-489	1	Oiler

Miscellaneous Parts

GCE-24	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

* See table following parts list for part number applying to assembly wanted.

(Continued on Reverse Side)

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GEH-4823A, B GENERATOR PARTS (Continued)

NOTE: VRX-4003D CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

Assembly No.	Pulley
GEH-4823A	SP-849
GEH-4823B	PU-29

UNIT	APPLICATION
GEH-4823A, B	Hercules

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GEH-4827M-1 GENERATOR PARTS LIST

GEH-4827M-1
(Issued 10-6-50)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
DK-23C	2	Bolt, Thru
(GEH-2089A)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Field Term., Outer
GBW-66	1	Insulation, Field Term., Inner
GBY-38C	2	Screw, Pole Shoe
GC-26	1	Washer, Ins., Field Term., Outer
GCY-28A	1	Bushing, Ins., Arm. Term.
GDW-22	1	Insulation, Arm. Term., Inner
GEH-1005B	1	COIL ASSY., FIELD, COMPLETE
GDW-23A	1	Stud, Arm. Term., 5/16-24
GDW-28A	1	Stud, Field Term., 1/4-28
GEA-30A	1	Lead Assembly
X-847	1	Terminal
GEH-1007D	1	Coil, Field, Left
GEH-1008C	1	Coil, Field, Right
GFL-23	1	Bushing, Ins., Field Term.
MN-21A	2	Pin, Dowel
MU-37G	1	Washer, Plain, Arm. Term., 5/16
SS-13	1	Washer, Ins., Arm. Term., Outer
VAD-79	1	Washer, Ins., Arm. Term., Outer
X-180	2	Nut, Arm. Term., Hex. 5/16-24
X-187	1	Washer, Plain, Field Term., #14
12X-199	2	Lockwasher, Field Term., 1/4
12X-1014	2	Lockwasher, Arm. Term., 5/16
X-2903	2	Nut, Field Term., Hex. 1/4-28
X-20	1	Screw, Ground, Rd. Hd. #10-32x5/16
12X-196	1	Lockwasher, Grd. Sc., #10
12X-1014	2	Lockwasher, Thru Bolt, 5/16

Comm. End Head Assembly & Parts Used With

GCB-3081A	1	Head Assy., Comm. End
GCE-53A	2	Spring, Brush
GCE-54A	2	Arm, Brush
GCE-1012 †	2	Brush
GEG-49	1	Retainer, Felt Washer
GT-78A	1	Washer, Felt

Comm. End Head Assy. & Parts (Continued)

Part No.	No. Used	Name of Part
GEG-53	1	Gasket, Brg. Retainer
GEG-54	1	Nut, Arm. Shaft, C.E.
GEG-55	1	Spacer, Arm. Shaft
GEG-1050	1	Retainer Assy., Brg.
GEG-49	1	Retainer, Felt Washer
GT-78A	1	Washer, Felt
X-10	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
12X-195	2	Lockwasher, Lead Sc., #8
12X-196	4	Lockwasher, Retainer Sc.,#10
X-295	1	BEARING, BALL, S.A.E. #203
X-489A	1	Oiler
X-2890	4	Screw, Retainer, Fill. Hd. #10-32x1

Armature Assembly & Parts Used With

GEH-2149FM	1	ARMATURE
GJ-104B	1	Spacer, Arm. Shaft, D.E.
GJ-179A	1	Washer, Shaft, D.E., Plain
19X-160	1	Nut, Shaft, D.E., Hex. 7/16-20
12X-205	1	Lockwasher, Shaft, D.E. 7/16
X-261	2	Key, Woodruff, #6

Drive End Head Assy. & Parts Used With

GCE-1150A	1	Head Assy., Drive End
GBM-124	1	Gasket, Retainer
GBM-125	1	Retainer, Felt, Inner
GBM-127	1	Retainer, Bearing
GBM-128	1	Retainer, Felt, Outer
GCE-150A	1	Head, Drive End
GG-164A	2	Washer, Felt
GGA-52	3	Screw, Retainer, Rd. Hd. #10-32x1/2
12X-196	3	Lockwasher, Retainer Sc.#10
X-295	1	BEARING, BALL, S.A.E. #203
X-489A	1	Oiler

Miscellaneous Parts

GEG-1024	1	Band, Cover
X-2875	1	Nut, Cover Band, Square #10-32
X-2882	1	Screw, Cover Band, Fill. Hd. #10-32x1 1/2

† BRUSH SET, SERVICE GCE-2012S.

NOTE: VRS-4102DM (Pos. Grd.) or VRS-4103BM (Neg. Grd.) CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GEH-4827M-1	Gray Marine

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
DK-23C	2	Bolt, Thru
(GEH-2089A)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Field Term., Outer
GBW-66	1	Insulation, Field Term., Inner
GBY-38C	2	Screw, Pole Shoe
GC-26	1	Washer, Ins., Field Term., Outer
GCY-28A	1	Bushing, Ins., Arm. Term.
GDW-22	1	Insulation, Arm. Term., Inner
GEH-1005B	1	Coil Assy., Field, Complete
GDW-23A	1	Stud, Arm. Term.
GDW-28A	1	Stud, Field Term.
GEA-30A	1	Lead Assembly
X-847	1	Terminal
GEH-1007D	1	Coil, Field, Left
GEH-1008C	1	Coil, Field, Right
GFL-23	1	Bushing, Ins., Field Term.
MN-21A	2	Pin, Dowel
MU-37G	1	Washer, Plain, Arm. Term. 5/16
SS-13	1	Washer, Ins., Arm. Term., Outer
VAD-79	1	Washer, Ins., Arm. Term., Outer
X-180	2	Nut, Arm. Term., Hex. 5/16-24
X-187	1	Washer, Plain, Field Term., #14
12X-199	2	Lockwasher, Field Term., 1/4
12X-1014	2	Lockwasher, Arm. Term., 5/16
X-2903	2	Nut, Field Term., Hex. #1/4-28
X-20	1	Screw, Ground, Rd. Hd. #10-32x5/16
12X-196	1	Lockwasher, Grd. Sc., #10
12X-1014	2	Lockwasher, Thru Bolt, 5/16

Comm. End Head Assembly & Parts Used With

GCB-2081	1	Head Assy., Comm. End
GCE-53A	2	Spring, Brush
GCE-54A	2	Arm, Brush
GCE-1012†	2	Brush
GEG-49	1	Retainer, Felt Washer
GT-78A	1	Washer, Felt
GEG-53	1	Gasket, Brg. Retainer
GEG-54	1	Nut, Arm. Shaft, C.E.

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
GEG-55	1	Spacer, Arm. Shaft
GEG-1050	1	Retainer Assy., Brg.
GEG-49	1	Retainer, Felt Washer
GT-78A	1	Washer, Felt
X-10	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
12X-195	2	Lockwasher, Lead Sc., #8
12X-196	4	Lockwasher, Retainer Sc., #10
X-295	1	Bearing, Ball, S.A.E. #203
X-489A	1	Oiler
X-2890	4	Screw, Retainer, Fill. Hd. #10-32x1

Armature Assembly & Parts Used With

GEH-2149FM	1	Armature
GJ-104B	1	Spacer, Arm. Shaft, D.E.
GJ-179A	1	Washer, Shaft, D.E., Plain
19X-160	1	Nut, Shaft, D.E., Hex. 7/16-20
12X-205	1	Lockwasher, Shaft, D.E., 7/16
X-261	2	Key, Woodruff, #6

Drive End Head Assembly & Parts Used With

GCE-1150A	1	Head Assy., Drive End
GBM-124	1	Gasket, Retainer
GBM-125	1	Retainer, Felt, Inner
GBM-127	1	Retainer, Bearing
GBM-128	1	Retainer, Felt, Outer
GCE-150A	1	Head, Drive End
GG-164A	2	Washer, Felt
GGW-52	3	Screw, Retainer, Rd. Hd. #10-32x1/2
12X-196	3	Lockwasher, Retainer Sc., #10
X-295	1	Bearing, Ball, S.A.E. #203
X-489A	1	Oiler

Miscellaneous Parts

GEG-1024	1	Band, Cover
X-2875	1	Nut, Cover Band, Square #10-32
X-2882	1	Screw, Cover Band, Fill. Hd. #10-32x1 1/2

† Brush Set, Service GCE-2012S.

NOTE: VRS-4102DM (Pos. Grd.) or VRS-4103BM (Neg. Grd.) Current-Voltage Regulator is used with but is not a part of this generator.

UNIT	APPLICATION
GEH-4828M-1	Gray Marine

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GEH-4829A-2 GENERATOR PARTS LIST

GEH-4829A-2
(Issued 10-6-55)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
DK-23C	2	Bolt, Thru
GEH-2082	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term., Outer
GBW-34	1	Washer, Ins., Field Term., Outer
GBW-66	1	Insulation, Arm. Term, Inner
GBW-67	1	Insulation, Field Term., Inner
GBY-38A	2	Screw, Pole Shoe
GC-26	1	Washer, Ins., Arm. Term., Outer
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Field Term.
GEH-1005	1	COIL ASSY., FIELD, COMPLETE
GEB-27	1	Stud, Arm. Term. #14-24
GEB-58	1	Stud, Field Term. #10-32
GEB-90A	1	Lead Assembly
X-847	1	Terminal
GEH-1007A	1	Coil, Field, Left
GEH-1008A	1	Coil, Field, Right
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term., Hex. #14-24
X-196	2	Lockwasher, Field Term., #10
X-199	2	Lockwasher, Arm. Term. 1/4
8X-349	1	Washer, Plain, Field Term., #10
8X-361	1	Washer, Plain, Arm. Term., 1/4
8X-1377	2	Nut, Field Term. Hex. #10-32
12X-196	1	Lockwasher, Ground Sc., #10
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16
12X-1014	2	Lockwasher, Thru Bolt, 5/16

Comm. End Head Assembly & Parts Used With

DA-22	1	Washer, Bearing Retaining
DA-39	1	Washer, Plain, Felt Retaining
DA-60	1	Screw, Bearing Retaining
DH-7	1	Washer, Felt
GBJ-25	1	Gasket, C. E. Cover
GBJ-32A	1	Cover, Comm. End
GCE-2012S	1	BRUSH SET, SERVICE
GCE-2118S	1	Head Assy., Comm. End
GCE-53	2	Spring, Brush
GCE-54	2	Arm, Brush
12X-195	2	Lockwasher, Lead Sc., #8
12X-196	3	Lockwasher, Cover Sc., #10
12X-199	1	Lockwasher, Brg. Retaining Sc., 1/4
X-295	1	BEARING, BALL, S. A. E. #203
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4

Comm. End Head Assembly & Parts (Con't.)

Part No.	No. Used	Name of Part
X-489	1	Oiler
X-870	3	Screw, C. E. Cover, Fill. Hd. #10-32x5/16

Armature Assembly & Parts Used With

GBG-49	1	Spacer, Shaft, D. E. Inner
GEH-2142F	1	ARMATURE
GFR-56	1	Spacer, Shaft, D. E. Outer
PU-124	1	Pulley, Drive
X-405	1	Pin, Cotter
12X-1018	1	Lockwasher, Shaft, D. E.
X-1717	1	Nut, Arm. Shaft, D. E.

Drive End Head Assembly & Parts Used With

GEH-1084B	1	Head Assy., Drive End
GBG-57	1	Retainer, Felt Washer
GBG-58	1	Washer, Felt
GBG-182	1	Gasket
GBG-1181	1	Retainer Assy., Bearing
GBG-57	1	Retainer, Felt Washer
GBG-58	1	Washer, Felt
GBG-181	1	Retainer, Bearing
GEH-84B	1	Head, Drive End
8X-119	4	Screw, Brg. Retainer, Fill. Hd. #10-32x1/2
12X-196	4	Lockwasher, Retainer Sc., #10
X-444	1	Bearing, Ball, S. A. E. #305
X-489	1	Oiler

Miscellaneous Parts

GCE-24	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

Note:-VRX-4003D CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GEH-4829A-2	Continental

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File in
Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
DK-23C	2	Bolt, Thru
(GEH-2076)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term. Outer
GBW-34	1	Washer, Ins., Field Term., Outer
GBW-66	1	Insulation, Arm. Term., Inner
GBW-67	1	Insulation, Field Term., Inner
GBY-38A	2	Screw, Pole Shoe
GC-26	1	Washer, Ins., Arm. Term., Outer
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Field Term.
GEB-44	1	Lead Assembly
GEB-27	1	Stud, Arm. Term., #14-24
X-975	1	Terminal
GEH-1005A	1	COIL ASSY., FIELD, COMPLETE
GEB-58	1	Stud, Field Term., #10-32
GEH-1007B	1	Coil, Field, Left
GEH-1008B	1	Coil Assy., Field, Right
X-959	1	Terminal
MN-21	2	Pin, Dowel
8X-140	1	Nut, Field Grd. Sc., Hex. #6-32
8X-177	2	Nut, Arm. Term., Hex. #14-24
X-194	1	Lockwasher, Field Grd. Sc., #6
X-196	2	Lockwasher, Field Term., #10
X-199	2	Lockwasher, Arm. Term., 1/4
8X-349	1	Washer, Field Term., Plain, #10
8X-361	1	Washer, Arm. Term., Plain, 1/4
8X-1377	2	Nut, Field Term., Hex. #10-32
8X-1420	1	Screw, Field Ground, Flat Hd. #6-32x9/16
X-196	1	Lockwasher, Ground Screw, #10
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16
X-1014	2	Lockwasher, Thru Bolt, 5/16

Comm. End Head Assembly & Parts Used With

Part No.	No. Used	Name of Part
DA-39	2	Washer, Plain, Felt Retaining
DA-132	1	Washer, Felt, C.E. Outer
DH-7	1	Washer, Felt, C.E. Inner
GAR-83A	1	Cover, Comm. End
GBJ-25	1	Gasket, C.E. Cover
GEH-2002	1	Head Assy., Comm. End
GCE-53	2	Spring, Brush
GCE-54	2	Arm, Brush
GCE-1012†	2	Brush
X-195	2	Lockwasher, Brush Lead Sc., #8
X-295	1	BEARING, BALL, S.A.E. #203
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler
8X-726	3	Screw, C.E. Cover, Bdg. Hd. #10-32x7/16
X-1270	3	Washer, Cover Sc., Skpf. #10

Armature Assembly & Parts Used With

DG-1144	1	Oil Thrower
GBM-21B	1	Nut, Arm. Shaft, C.E.
GEH-2054F	1	ARMATURE
SP-494	1	Fan, Ventilating
X-157	1	Nut, Shaft, D.E., Slotted 1/2-20
X-258	1	Key, Woodruff, C.E., #3
X-263	1	Key, Woodruff, D.E., #8
X-358	1	Washer, Shaft, D.E., Plain 1/2
X-404	1	Pin, Cotter
X-864	1	Lockwasher, Shaft, C.E.

Drive End Head Assembly & Parts Used With

GCE-1110	1	Head Assy., Drive End
GAE-47	1	Retainer, Bearing
GCE-110	1	Head, Drive End
8X-66	3	Screw, Retainer, Flat Hd. #10-32x1/2
X-378	1	BEARING, BALL, SHIELDED, S.A.E. #204
X-1621	3	Washer, Retainer Sc., Skpf. #10

Miscellaneous Parts

GCE-24	1	Band, Cover
X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

(Continued on Reverse Side)

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File in
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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

† BRUSH SET, SERVICE GCE-2012S.

NOTE: * CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

Assembly No.	Regulator
GEH-5001-2	VRG-4103B, D
GEH-5001P-2	VRG-4102D

UNIT	APPLICATION
GEH-5001-2	Ahrens Fox, Biederman
GEH-5001P-2	Ahrens Fox, Four Wheel Drive

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
DK-23	2	Bolt, Thru
(GEH-3019)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term., Outer
GAL-44	1	Insulation, Field Connection
GBW-34	1	Washer, Ins., Field Term., Outer
GBW-66	1	Insulation, Arm. Term., Inner
GBW-67	1	Insulation, Field Term., Inner
GBY-38A	2	Screw, Pole Shoe
GC-26	1	Washer, Ins., Arm. Term., Outer
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Field Term.
GEB-44	1	Lead Assy.
GEB-27	1	Stud, Arm. Term., #14-24
X-975	1	Terminal
GEH-2005A	1	COIL ASSY., FIELD, COMP.
GEB-58	1	Stud, Field Term., #10-32
GEH-1007C	1	Coil Assy., Field, Left
X-959	1	Terminal
GEH-1008A	1	Coil, Field, Right
MN-21	2	Pin, Dowel
8X-140	1	Nut, Field Ground, Hex., # 6-32
8X-177	2	Nut, Arm. Term., Hex., #14-24
X-193	2	Lockwasher, Arm. Term., #14
X-194	1	Lockwasher, Field Ground, #6
X-196	2	Lockwasher, Field Term., #10
8X-349	1	Washer, Plain, Field Term., #10
8X-361	1	Washer, Plain, Arm. Term., 1/4
8X-1377	2	Nut, Field Term., Hex., #10-32
8X-1420	1	Screw, Field Ground, Flat Hd., #6-32x9/16
X-196	1	Lockwasher, Ground Sc., #10
8X-321	1	Screw, Ground, Rd. Hd., #10-32x5/16
X-1014	2	Lockwasher, Thru Bolt

Comm. End Head Assembly & Parts Used With

DA-39	2	Washer, Plain
DA-132	1	Washer, Felt
DH-7	1	Washer, Felt, Comm. End Inner

Comm. End Head Assembly(Continued)

Part No.	No. Used	Name of Part
GAR-83A	1	Cover, Comm. End
GBJ-25	1	Gasket, Comm. End Cover
GCE-55A	1	Deflector, Air
GEH-3022	1	Head Assy., Comm. End
GCE-53	2	Spring, Brush
GCE-54	2	Arm, Brush
GCE-1012 †	2	Brush
8X-66	3	Screw, Air Deflector, Flat Hd. #10-32x1/2
X-195	2	Lockwasher, Brush Lead, #8
X-295	1	BEARING, BALL, S.A.E. #203
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler, Press in Type 1/4
8X-726	3	Screw, C.E. Cover, Bdg. Hd., #10-32x7/16
X-1270	3	Washer, Skpf., C.E. Cover Sc. #10
X-1621	3	Washer, Air Deflector Sc., Skpf. #10

Armature Assembly & Parts Used With

GAR-1177	1	Oil Thrower
GBM-21B	1	Nut, Armature Shaft
GEH-2087F	1	ARMATURE
SP-494	1	Ventilating Fan
X-157	1	Nut, Armature Shaft, Hex. 1/2-20
X-258	1	Key, Woodruff, #3
X-263	1	Key, Woodruff, #8
X-358	1	Washer, Plain, 1/2
X-404	1	Pin, Cotter, 3/32x1
X-864	1	Washer, Lock, Arm. Shaft, .669

Drive End Head Assy. & Parts Used With

GCE-1076	1	Head Assy., Drive End
GCE-76	1	Head
GX-9	1	Retainer, Bearing
GX-10	1	Gasket, Retainer
X-196	3	Lockwasher, Retainer Sc.,#10
8X-311	3	Screw, Retainer, Rd. Hd., #10-32x3/8
X-378	1	BEARING, BALL, SHIELDED, S.A.E. #204

Miscellaneous Parts

GCE-24	1	Band, Head
X-714	1	Screw, Head Band, Rd. Hd., #10-32x1 1/2
8X-794	1	Nut, Head Band, Square, #10-32

(See Reverse Side)

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

†BRUSH SET, SERVICE GCE-2012S.

NOTE: - (*) CURRENT-VOLTAGE REGULATOR is used with but is not a part of this Generator.

* See table following parts list for part number applying to assembly wanted.

Generator	Regulator
GEH-5002-2	VRG-4102B
GEH-5002-2N	VRG-4103B

UNIT	APPLICATION
GEH-5002-2	Four Wheel Drive
GEH-5002-2N	Harnschfeger Available Truck

(Issued 6-15-48)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
DK-23C	2	Bolt, Thru
GCE-94‡	1	Bracket, Gen. Mtg.
GEH-2092	1	Frame & Field Assembly
GAA-32	1	Washer, Ins., Arm. Term. Outer
GBW-34	1	Washer, Ins., Field Term., Outer
GBW-66	1	Insulation, Arm. Term., Inner
GBW-67	1	Insulation, Field Term., Inner
GBY-38A	2	Screw, Pole Shoe
GC-26	1	Washer, Ins., Arm. Term., Outer
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Field Term.
GEH-1005	1	COIL ASSY., FIELD, COMPLETE
GEB-27	1	Stud, Arm. Term., #14-24
GEB-58	1	Stud, Field Term., #10-32
GEB-90A	1	Lead Assy.
X-847	1	Terminal
GEH-1007A	1	Coil, Field, Left
GEH-1008A	1	Coil, Field, Right
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term., Hex. #14-24
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-349	1	Washer, Plain, Field Term., #10
8X-361	1	Washer, Plain, Arm. Term., 1/4
8X-1377	2	Nut, Field Term., Hex. #10-32
12X-196	1	Lockwasher, Ground Sc., #8
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16
8X-832‡	2	Nut, Brkt. Sc., Hex. 5/16-24
8X-863‡	2	Screw, Mtg. Brkt., Hex. Hd. 5/16-24x1 1/4
12X-1014	2	Lockwasher, Thru Bolt, 5/16
12X-1014‡	2	Lockwasher, Brkt. Sc., 5/16

Comm. End Head Assy. & Parts Used With

Part No.	No. Used	Name of Part
DA-22	1	Washer, Bearing Retaining
DA-39	1	Washer, Plain, Felt Retaining
DA-60	1	Screw, Bearing Retaining
DH-7	1	Washer, Felt, C.E. Inner
GBJ-25	1	Gasket, C.E. Cover
GBJ-32A	1	Cover, Comm. End
GCE-2002S	1	Head Assy., Comm. End
GCE-53	2	Spring, Brush
GCE-54	2	Arm, Brush
GCE-2012S	1	BRUSH SET, SERVICE
12X-195	2	Lockwasher, Lead Sc., #8
12X-196	3	Lockwasher, Cover Screw, #10
12X-199	1	Lockwasher, Brg. Retaining Screw, 1/4
X-295	1	BEARING, BALL, S.A.E. #203
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler
8X-870	3	Screw, Cover, Fill. Hd. #10-32x5/16

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm. Shaft, D.E.
GEG-31	1	Spacer, Arm. Shaft
GEH-2006F	1	ARMATURE
*	1	Pulley, Drive
X-261	1	Key, Woodruff, #6
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

GEW-1003	1	Head Assy., Drive End
GAU-31	1	Washer, Felt, Inner
GEW-3	1	Head, Drive End
GG-6	1	Retainer, Bearing
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
GK-176	1	Retainer, Felt, Inner
GT-76	1	Retainer, Felt, Outer
GT-78	1	Washer, Felt, Outer
X-196	3	Lockwasher, Retainer Sc., #10
X-295	1	BEARING, BALL, S.A.E. #203
X-489	1	Oiler

(Continued on Reverse Side)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GEH-6001A,B,D,S GENERATOR PARTS LIST (Cont.)

Miscellaneous Parts

Part No.	No. Used	Name of Part
GCE-24	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

NOTE: * CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

* See table following parts list for part number applying to assembly wanted.

‡ Used with GEH-6001B only.

Assembly No.	Pulley	Regulator
GEH-6001A	SP-911	VRX-4003D
GEH-6001B	SP-929	VRX-4003D
GEH-6001D	SP-887	VRX-6004A
GEH-6001S	None	

UNIT	APPLICATION
GEH-6001A	Buda
GEH-6001B	Harnischfeger
GEH-6001D	D.W. Onan
GEH-6001S	Service Gen.

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking su -parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GDS-2038)	1	Frame & Field Assembly
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-66	1	Terminal Post Bottom Ins.
GBW-67	1	Terminal Post Bottom Ins.
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
GDS-29	2	Pole Piece
GDS-30	1	Lead Assembly
GAA-27	1	Terminal Post
X-1611	1	Terminal
GDS-1005A	1	FIELD COIL ASSY.- Comp.
GBW-58	1	Terminal Post
GDS-1007	1	Field Coil Assy.-Left
X-847	1	Terminal
GDS-1008A	1	Field Coil - Right
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
GK-20	2	Frame Screw
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	2	#10 Lock Washer
X-199	2	1/4 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

(GCP-2051)	1	Comm. End Plate Assembly
GAR-73	1	Oil Wick
GAR-98A	1	Wick Cover
GBW-69	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GBW-1012A†	2	Brush - Main
GBW-1051A	1	C. E. Plate Part Assembly
GBF-79	1	ABSORBENT BRONZE BRG.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
GBW-1068B	1	Comm. End Cap Cover
12X-195	5	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
8X-888	4	#8-32x5/16 Fill. Hd. Sc.
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GEJ-2055F	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GJ-104	1	Armature Shaft Spacer
GJ-179	1	7/16 Plain Washer
X-160	1	7/16-20 Hex. Nut
X-205	1	7/16 Lock Washer
X-261	1	#6 Woodruff Key

Drive End Head Assembly & Parts Used With

GAL-1063B	1	Drive End Head Assembly
GAL-63A	1	Drive End Head
GG-6	2	Bearing Retainer
GG-164	1	Felt Washer
GK-176	1	Felt Washer Retainer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	BALL BRG.- S.A.E. #203
8X-316	3	#10-32x3/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

GBW-1024D	1	Head Band Assembly
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 5-20-41)

† SERVICE BRUSH SET GBW-2012AS.

NOTE:- VRW-4003A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GEJ-4801	Indian Motocycle

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GDS-2001)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GBW-34	1	Washer, Ins., Field Term., Outer
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Field Term.
GDS-30	1	Lead Assembly
GAA-27	1	Stud, Arm. Term., #14-24
X-1611	1	Terminal
GDS-1005A	1	COIL ASSY., FIELD, COMPLETE
GDS-1008A	1	Coil, Field, Right
GEB-58	1	Stud, Field Term., #10-32
GEO-1007C	1	Coil Assy., Field, Left
X-847	1	Terminal
GDW-44	1	Washer, Ins., Arm. Term., Outer
GEA-34	1	Insulation, Term. Stud, Inner
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term., Hex. #14-24
X-193	2	Lockwasher, Arm. Term., #14
X-196	2	Lockwasher, Field Term., #10
8X-349	1	Washer, Plain, Field Term., #10
8X-361	1	Washer, Plain, Arm. Term., 1/4
8X-1377	2	Nut, Field Term., Hex. #10-32
GK-20A	2	Bolt, Thru
X-196	1	Lockwasher, Ground Sc., #10
X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

Part No.	No. Used	Name of Part
GBW-2086	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBM-126	1	Packing
GBW-30E	1	Cover, Comm. End
GBW-69	1	Gasket, C.E. Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GBW-1012A†	2	Brush
GBW-1086A	1	Head Assy., Partial, C.E.
GBF-79	1	BEARING, ABS. BRONZE
GBW-45	2	Spring, Brush
GCJ-28	2	Arm, Brush
12X-195	4	Lockwasher, Cover Sc., #8
8X-888	4	Screw, Cover, Fill. Hd. #8-32x5/16

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
X-2961	1	Oiler
X-195	2	Lockwasher, Br. Lead Sc., #8
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Armature Shaft, D.E.
GEJ-2006F	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GJ-104	1	Spacer, Arm. Shaft
GR-32	1	Retainer, Felt Washer
X-260	1	Key, Woodruff, #5
X-864	1	Lockwasher, Arm. Shaft, D.E.

Drive End Head Assembly & Parts Used With

GAM-1110S	1	Head Assy., Drive End
GAM-34A	1	Retainer, Felt Washer, Outer
GAM-110A	1	Head, Drive End
GAR-63	1	Retainer, Felt Washer, Inner
GAR-64	1	Retainer, Bearing
GG-164	2	Washer, Felt
12X-196	3	Lockwasher, Retainer Screw, #10
8X-311	3	Screw, Retainer, Rd. Hd. #10-32x3/8
X-441	1	BEARING, BALL, SHIELDED, S.A.E. #203
X-489	1	Oiler

Miscellaneous Parts

GBW-24B	1	Band, Cover
X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GBW-2012AS.

NOTE: VRW-4005A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GEJ-4805	Continental

(Issued 6-3-49)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GEM-4102 GENERATOR PARTS LIST GEM-4102

PRELIMINARY

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-20	2	Frame Screw
(GEM-2239)	1	Frame & Field Assembly
GAS-40	2	Ins. Washer - Special
GAS-41	2	Insulating Bushing
GAS-44	1	Field Connection Ins.
GAS-45	2	Field Coil Holder
GAS-47	1	Terminal Lead Assembly
GBF-36	1	Terminal Post
X-1423	1	Terminal
GBF-36	1	Terminal Post
GBF-55	2	Insulating Washer
GEM-29	2	Pole Piece
GEM-1005A	1	FIELD COIL ASSY.- Comp.
GEM-1007	1	Field Coil Assy.-Left
X-1423	1	Terminal
GEM-1008A	1	Field Coil - Right
MN-21	2	Dowel Pin
MZ-38	2	Pole Piece Screw
X-1274	4	3/16 Skpf. Washer
5X-1377	2	#10-32 Hex. Nut
X-196	2	#10 Lock Washer
X-544	2	#10 Lock Washer
5X-1377	2	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

(GEM-2242)	1	Comm. End Plate Assembly
GAR-73	1	Oil Wick
GAR-98A	1	Wick Cover
GAS-51	2	3rd Brush Plate Retaining Spring
GAS-220	1	Oil Guard
GAS-221	1	Oil Retaining Gasket
GAS-223	1	Gasket
GAS-1222	1	Comm. End Cap Cover
GAS-1242	1	C. E. Plate Part Assy.
GAS-224	1	ABSORBENT BRONZE BRG.
GEM-2021R	1	Brush Holder Plate Assy.
GAL-31	1	Ground Connector Assy.
X-958	2	Terminal
GAS-15	2	Brush Holder
GAS-17	1	Brush Spring
GAS-18	1	Brush Spring
GAS-1021R	1	Br. Holder Plate Part Assembly
GEM-12†	2	Brush - Main
8X-122	1	#8-32x1/2 Fill. Hd.Sc.
X-1275	2	#8 Skpf. Washer
8X-1505	1	#8-32x9/16 Bdg. Hd.Sc.
GEM-2219R	1	3rd Br. Holder Plate Assy.
GAS-15	1	Brush Holder
GAS-17	1	Brush Spring
GAS-1219R	1	3rd Brush Holder Plate Part Assembly
GEM-13†	1	Brush - Third
8X-878	1	#8-32x7/16 Fill. Hd.Sc.
X-1275	1	#8 Skpf. Washer
8X-55	3	#8-32x3/8 Rd. Hd. Screw
X-195	5	#8 Lock Washer
8X-888	4	#8-32x5/16 Fill. Hd. Sc.
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-1176	1	Oil Thrower
GEM-31	1	Drive Coupling
GEM-2238	1	ARMATURE ASSEMBLY
X-161	1	1/2-20 Hex. Nut
X-260	1	#5 Woodruff Key
X-1500	1	1/2 Skpf. Washer

Drive End Head Assembly & Parts Used With

GAS-1256	1	Drive End Head Assembly
GAS-177	1	Bearing Retainer
GAS-256	1	Drive End Head
8X-63	3	#8-32x3/8 Flat Hd. Sc.
X-378	1	BALL BEARING

Miscellaneous Parts

GAS-1024	1	Head Band Assembly
8X-714	1	#10-32x1 1/2 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 7-2-41)

† SERVICE BRUSH SET GEM-2012S.

NOTE:- TC-4326A TWO CHARGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GEM-4102	Ready Power

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the comp ete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GE0-3001)	1	Frame & Field Assembly
GAL-44	1	Field Connection Ins.
GAR-211	1	Insulating Bushing
GDS-29	2	Pole Piece
GDS-2005	1	FIELD COIL ASSY.- Comp.
GDS-2007	1	Field Coil Assy.-Left
X-976	1	Terminal
GDS-2008	1	Field Coil Assy.-Right
GAL-289	1	C. B. Lead Assembly
X-755	1	Terminal
X-1425	1	Terminal
X-959	1	Terminal
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-140	1	#6-32 Hex. Nut
X-194	1	#6 Lock Washer
8X-1008	1	#6-32x9/16 Rd. Hd. Screw
GK-20	2	Frame Screw
X-199	2	1/4 Lock Washer

Comm. End Plate Assembly & Parts Used With

(GE0-3002)	1	Comm. End Plate Assembly
GCJ-51	1	3rd Brush Plate Retaining Spring
GCJ-1014L	1	3rd Brush Plate Assembly
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
GDF-1012†	2	Brush - Main
GDF-1013†	1	Brush - Third
GE0-1002	1	C.E. Plate Part Assembly
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
GCJ-1023L	1	Grounded Brush Holder Assembly
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
X-195	2	#8 Lock Washer
8X-304	2	#8-32x5/16 Rd. Hd. Sc.
X-195	1	#8 Lock Washer
8X-311	1	#10-32x3/8 Rd. Hd. Screw
8X-1507	1	#8-32x1/4 Bdg. Hd. Screw
X-195	2	#8 Lock Washer
8X-1507	2	#8-32x1/4 Bdg. Hd. Screw
X-1580	1	BALL BEARING - Oil Seal
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAL-310	1	Armature Shaft Spacer
GCJ-2101	1	ARMATURE ASSEMBLY
GK-174	1	1/2 Plain Washer
X-156	1	1/2-20 Castellated Nut
X-260	1	#5 Woodruff Key
X-263	1	#8 Woodruff Key
X-404	1	3/32x1 Cotter Pin

Drive End Head Assembly & Parts Used With

GE0-1003	1	Drive End Head Assembly
DB-17	1	Felt Guard
GAR-95	1	Felt Washer
GBC-25	1	Felt Guard
GE0-3	1	Drive End Head
GW-29	1	Felt Washer
GX-9	1	Bearing Retainer
X-196	3	#10 Lock Washer
X-298	1	BALL BRG.- S.A.E. #204
8X-311	3	#10-32x3/8 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

CB-4014	1	CIRCUIT BREAKER ASSEMBLY
CB-123	1	Armature Spring
CB-160S	1	Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Screw
GBW-1024A	1	Head Band Assembly
GE0-30	1	Coupling
GE0-31	1	Retaining Washer
X-63	1	#8-32x3/8 Flat Hd. Screw
X-196	2	#10 Lock Washer
8X-321	2	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 4-30-41)

† SERVICE BRUSH SET GDF-2012S.

UNIT	APPLICATION
GE0-4801	Chris Craft

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

PRELIMINARY

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GE0-2034)	1	Frame & Field Assembly
GAL-44	1	Field Connection Ins.
GAR-211	1	Insulating Bushing
GDS-29	2	Pole Piece
GDS-1005B	1	FIELD COIL ASSY.- Comp.
GDS-1007A	1	Field Coil Assy.-Left
GAL-298	1	C.B. Lead Assembly
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GDS-1008B	1	Field Coil Assy.-Right
X-959	1	Terminal
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-140	1	#6-32 Hex. Nut
X-194	1	#6 Lock Washer
8X-1008	1	#6-32x9/16 Rd. Hd. Screw
GK-20	2	Frame Screw
X-199	2	1/4 Lock Washer

Comm. End Plate Assembly & Parts Used With

(GE0-2032)	1	Comm. End Plate Assembly
GCJ-51	1	3rd Brush Plate Retaining Spring
GCJ-1014	1	3rd Brush Plate Assembly
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
GDF-1012†	2	Brush - Main
GDF-1013†	1	Brush - Third
GE0-1032	1	C. E. Plate Part Assy.
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
GCJ-1023R	1	Grounded Brush Holder Assembly
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
X-195	2	#8 Lock Washer
8X-304	2	#8-32x5/16 Rd. Hd. Sc.
X-195	1	#8 Lock Washer
8X-311	1	#10-32x3/8 Rd. Hd. Screw
8X-1507	1	#8-32x1/4 Bdg. Hd. Screw
X-195	2	#8 Lock Washer
8X-1507	2	#8-32x1/4 Bdg. Hd. Screw
X-1580	1	BALL BEARING - Oil Seal
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAL-310	1	Armature Shaft Spacer
GCJ-2101	1	ARMATURE ASSEMBLY
GK-174	1	1/2 Plain Washer
X-156	1	1/2-20 Castellated Nut
X-260	1	#5 Woodruff Key
X-263	1	#8 Woodruff Key
X-404	1	3/32x1 Cotter Pin

Drive End Head Assembly & Parts Used With

GE0-1033	1	Drive End Head Assembly
DB-17	1	Felt Guard
GAR-95	1	Felt Washer
GBC-25	1	Felt Guard
GE0-33	1	Drive End Head
GW-29	1	Felt Washer
GX-9	1	Bearing Retainer
X-196	3	#10 Lock Washer
X-298	1	BALL BRG.- S.A.E. #204
8X-311	3	#10-32x3/8 Rd. Hd. Sc.
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

CB-4014	1	CIRCUIT BREAKER ASSEMBLY
CB-123	1	Armature Spring
CB-160S	1	Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Screw
GBW-1024A	1	Head Band Assembly
GE0-30	1	Coupling
GE0-31	1	Retaining Washer
X-63	1	#8-32x3/8 Flat Hd. Screw
X-196	2	#10 Lock Washer
8X-321	2	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 4-30-41)

† SERVICE BRUSH SET GDF-2012S.

UNIT	APPLICATION
GE0-4802	Chris Craft

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File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GEO-4804-3 GENERATOR PARTS LIST

GEO-4804-3
(Issued 8-22-51)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GEO-3039)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GAR-211	1	Bushing, Insulating
GEO-2005	1	Coil Assy., Field, Complete
GEO-2007	1	Coil Assy., Field, Left
X-976	1	Terminal
GEO-2008	1	Coil Assy., Field, Right
GAL-289	1	Lead Assembly
X-755	1	Terminal
X-1425	1	Terminal
X-959	1	Terminal
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
8X-140	1	Nut, Ground Sc., Hex. #6-32
X-194	1	Lockwasher, Grd. Sc., #6
8X-1008	1	Screw, Field Ground, Rd. Hd. #6-32x9/16
GK-20A	2	Bolt, Thru
X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

GCJ-2012S	1	Brush Set, Service
GCJ-3103S	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBW-30	1	Cover, Comm. End
GBW-69	1	Gasket, C.E. Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GCJ-51	1	Spring, Retaining 3rd Brush Plate
GCJ-1014L	1	Plate Assy., 3rd Brush
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1103AS	1	Head Assy., Partial, C.E.
GBF-79	1	Bearing, Abs. Bronze
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1023L	1	Holder Assy., Brush, Grounded
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
X-195	2	Lockwasher, Holder Sc., #8
8X-304	2	Screw, Br. Holder, Rd. Hd. #8-32x5/16
12X-195	4	Lockwasher, Cover Sc., #8

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
8X-311	1	Screw, Retaining Spring, Rd. Hd. #10-32x3/8
X-489	1	Oiler
8X-888	4	Screw, C.E. Cover, Fill. Hd. #8-32x5/16
X-195	3	Lockwasher, Lead Sc., #8
8X-1507	3	Screw, Brush Lead, Bdg. Hd. #8-32x1/4

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm. Shaft, D.E.
GCJ-2092	1	Armature Assy.
GAR-171	1	Snap Ring
GCJ-93	1	Clutch
GJ-104	1	Spacer, Arm. Shaft
GR-32	1	Retainer, Felt Washer
X-260	1	Key, Woodruff, #5
X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

GAR-1243	1	Head Assy., Drive End
GAM-34A	1	Retainer, Felt Washer, Outer
GAR-63	1	Retainer, Felt Washer, Inner
GAR-64	1	Retainer, Bearing
GAR-243	1	Head, Drive End
GG-164	2	Washer, Felt
X-196	3	Lockwasher, Retainer Sc., #10
X-295	1	Bearing, Ball, S.A.E. #203
8X-311	3	Screw, Brg. Retainer, Rd. Hd. #10-32x3/8
X-489	1	Oiler

Miscellaneous Parts

CB-4014	1	Relay Assy., Cutout
CB-123	1	Spring, Armature
CB-160S	1	Cover, Relay
PX-55	1	Screw, Arm. Term., Bdg. Hd. #10-32x3/16
12X-196	2	Lockwasher, Term. Sc., #10
8X-312	1	Screw, Bat. Term., Rd. Hd. #10-32x1/4
GAL-1024B	1	Band, Cover
X-196	2	Lockwasher, Mtg. Sc., #10
8X-321	2	Screw, Relay Mtg., Rd. Hd.
X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

UNIT	APPLICATION
GEO-4804-3	Duesenberg (Marine), Star (Marine)

Printed in U. S. A.

File in
Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GEO-2040)	1	Frame & Field Assy.
GAL-44	1	Field Connection Ins.
GAR-211	1	Insulating Bushing
GEO-1005A	1	FIELD COIL ASSY., COMPLETE
GEO-1007	1	Field Coil Assy., Left
GAL-298	1	Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GEO-1008A	1	Field Coil Assy., Right
X-959	1	Terminal
GK-38	2	Pole Shoe Screw
MN-21	2	Dowel Pin
8X-140	1	#6-32 Hex. Nut
X-194	1	#6 Lockwasher
8X-1008	1	#6-32x9/16 Rd. Hd. Sc.
GK-20	2	Thru Bolt
X-199	2	1/4 Lockwasher

Comm. End Head Assembly & Parts Used With

GCJ-2086B	1	Comm. End Head Assy.
GAR-73	1	Oil Wick
GAR-98A	1	Wick Cover
GBW-69	1	Gasket, C.E. Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GBW-1068	1	Comm. End Cover
GCJ-51	1	3rd. Br. Plate Retaining Spring
GCJ-1012†	2	Brush, Main
GCJ-1013†	1	Brush, Third
GCJ-1014	1	3rd. Brush Plate Assy.
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
GCJ-1086C	1	Comm. End Head Part Assy.
GBF-79	1	ABSORBENT BRONZE BRG.
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
GCJ-1023R	1	Grounded Brush Holder Assembly
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
X-195	2	#8 Lockwasher
8X-304	2	#8-32x5/16 Rd. Hd. Sc.
12X-195	4	#8 Lockwasher

Comm. End Head Assembly & Parts (Cont'd.)

Part No.	No. Used	Name of Part
8X-311	1	#10-32x3/8 Rd. Hd. Sc.
8X-888	4	#8-32x5/16 Fill. Hd. Sc.
X-195	3	#8 Lockwasher
8X-1507	3	#8-32x1/4 Bdg. Hd. Screw

Armature Assembly & Parts Used With

GCJ-2055	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GJ-104	1	Armature Shaft Spacer
GJ-179	1	7/16 Plain Washer
X-160	1	7/16-20 Hex. Nut
X-205	1	7/16 Lockwasher
X-261	1	#6 Woodruff Key

Drive End Head Assembly & Parts Used With

GAL-1063B	1	Drive End Head Assy.
GAL-63A	1	Drive End Head
GG-6	2	Bearing Retainer
GG-164	1	Felt Washer
GK-176	1	Felt Washer Retainer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lockwasher
X-295	1	BALL BEARING, S.A.E. #203
8X-316	3	#10-32x3/4 Rd. Hd. Sc.
X-489	1	1/4 Oiler

Miscellaneous Parts

CB-4014	1	RELAY ASSY., CUTOUT
CB-123	1	Armature Spring
CB-160S	1	Cover, Relay
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	2	#10 Lockwasher
8X-312	1	#10-32x1/4 Rd. Hd. Sc.
GBW-1024E	1	Cover Band
X-196	2	#10 Lockwasher
8X-321	2	#10-32x5/16 Rd. Hd. Sc.
X-714	1	#10-32x1 1/2 Rd. Hd. Sc.
8X-794	1	#10-32 Square Nut

† SERVICE BRUSH SET GCJ-2012S.

UNIT	APPLICATION
GEO-4805-3	Kermath (Marine)

(Issued 4-12-50)

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

PRELIMINARY

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GE0-3041)	1	Frame & Field Assembly
GAL-44	1	Field Connection Ins.
GAR-211	1	Insulating Bushing
GDS-29	2	Pole Piece
GDS-2005	1	FIELD COIL ASSY.- Comp.
GDS-2007	1	Field Coil Assy.-Left
X-976	1	Terminal
GDS-2008	1	Field Coil Assy.-Right
GAL-289	1	C. B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-959	1	Terminal
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-140	1	#6-32 Hex. Nut
X-194	1	#6 Lock Washer
8X-1008	1	#6-32x9/16 Rd. Hd. Sc.
GK-20	2	Frame Screw
X-199	2	1/4 Lock Washer

Comm. End Head Assembly & Parts Used With

(GCJ-3085B)	1	Comm. End Head Assembly
GAR-73	1	Oil Wick
GAR-98A	1	Wick Cover
GBW-69	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GBW-1068B	1	Comm. End Cap Cover
GCJ-51	1	3rd Brush Plate Retaining Spring
GCJ-1012†	2	Brush - Main
GCJ-1013†	1	Brush - Third
GCJ-1014L	1	3rd Br. Plate Assembly
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
GCJ-1085A	1	C. E. Head Part Assy.
GBF-79	1	ABSORBENT BRONZE BRG.
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
GCJ-1023L	1	Grounded Brush Holder Assembly
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
X-195	2	#8 Lock Washer
8X-304	2	#8-32x5/16 Rd. Hd. Sc.
X-195	5	#8 Lock Washer
8X-311	1	#10-32x3/8 Rd. Hd. Screw
8X-388	4	#8-32x5/16 Fill. Hd. Sc.
8X-1507	1	#8-32x1/4 Bdg. Hd. Screw
X-195	2	#8 Lock Washer
8X-1507	2	#8-32x1/4 Bdg. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCJ-2055	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GJ-104	1	Armature Shaft Spacer
GJ-179	1	7/16 Plain Washer
X-160	1	7/16-20 Hex. Nut
X-205	1	7/16 Lock Washer
X-261	1	#6 Woodruff Key

Drive End Head Assembly & Parts Used With

GCZ-1003A	1	Drive End Head Assembly
GCZ-3A	1	Drive End Head
GG-6	2	Bearing Retainer
GG-164	1	Felt Washer
GK-176	1	Felt Washer Retainer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	BALL BRG.- S.A.E. #203
8X-316	3	#10-32x3/4 Rd. Hd. Sc.
X-489	1	1/4 Oiler-Press in Type

Miscellaneous Parts

CB-4014	1	CIRCUIT BREAKER ASSEMBLY
CB-123	1	Armature Spring
CB-160S	1	C. B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Sc.
GBW-1024A	1	Head Band Assembly
X-196	2	#10 Lock Washer
8X-321	2	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 1-26-42)

† SERVICE BRUSH SET GCJ-2012S.

UNIT	APPLICATION
GE0-4806	Kermath

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File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GEO-4807-3 GENERATOR PARTS LIST — GEO-4807-3 (Issued 3-30-55)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GEO-3042	1	Frame & Field Assembly
GAL-44	1	Insulation, Field Connection
GAR-211	1	Bushing, Insulating
GEO-2005C	1	COIL ASSEMBLY, FIELD, COMPLETE
GEO-2007A	1	Coil Assy., Field, Left
X-959	1	Terminal
GEO-2008C	1	Coil Assy., Field, Right
GAL-296	1	Lead Assembly
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
8X-140	1	Nut, Field Ground, Hex. #6-32
X-194	1	Lockwasher, Ground Sc., #6
8X-1008	1	Screw, Field Ground, Rd. Hd. #6-32x9/16
GK-20A	2	Bolt, Thru
12X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

GCJ-2012S	1	BRUSH SET, SERVICE
GCJ-3085AS	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBW-69	1	Gasket, Cover, C.E.
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GBW-1068	1	Cover, Comm. End
GCJ-51	1	Spring, Retaining, 3rd Brush Plate
GCJ-1014L	1	Plate Assy., 3rd Brush
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1085C	1	Head Assy., Partial, C.E.
GBF-79	1	BEARING, ABS. BRONZE
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1023L	1	Holder Assy., Brush, Grounded
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
12X-195	2	Lockwasher, Holder Sc., #8
8X-304	2	Screw, Br. Holder, Rd. Hd. #8-32x5/16
GGW-52	1	Screw, Retaining Spring, Rd. Hd. #10-32x1/2
12X-195	4	Lockwasher, Cover Sc., #8
8X-888	4	Screw, Cover, Fill. Hd. #8-32x5/16
12X-195	3	Lockwasher, Lead Screw, #8

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
8X-1507	3	Screw, Br. Lead, Bdg. Hd. #8-32x1/4

Armature Assembly & Parts Used With

GAL-310	1	Spacer, Armature Shaft
GCJ-2091	1	ARMATURE
GK-174	1	Washer, Plain, Arm. Shaft, 1/2
X-156	1	Nut, Arm. Shaft, Hex., D.E.
X-263	1	Key, Woodruff, #8
X-404	1	Pin, Cotter, 3/32x1

Drive End Head Assembly & Parts Used With

GDF-1003D	1	Head Assy., Drive End
DB-17	1	Washer, Felt Retaining
GAR-95	1	Washer, Felt, Inner
GBC-25	1	Retainer, Felt Washer, Inner
GDF-3D	1	Head, D.E.
GG-164	1	Washer, Felt, Outer
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
GX-9	1	Retainer, Bearing
12X-196	3	Lockwasher, Retainer Sc., #10
X-298	1	BEARING, BALL, S.A.E. #204
X-489	1	Oiler

Miscellaneous Parts

CB-4014	1	RELAY ASSY., CUT-OUT
CB-123	1	Spring, Armature
CB-160S	1	Cover
PX-55	1	Screw, Arm. Term., Bdg. Hd. #10-32x3/16
12X-196	2	Lockwasher, Term. Screw, #10
8X-312	1	Screw, Bat. Term., Rd. Hd. #10-32x1/4
GBW-1024E	1	Band, Cover
12X-196	2	Lockwasher, Mtg. Sc., #10
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32
8X-1515	2	Screw, Relay Mtg., Rd. Hd. #10-32x5/16

UNIT	APPLICATION
GEO-4807-3	Buchanan Marine Chris Craft

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GE0-4808 GENERATOR PARTS LIST GE0-4808

PRELIMINARY

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GE0-3044)	1	Frame & Field Assembly
GAL-44	1	Field Connection Ins.
GAR-211	1	Insulating Bushing
GDS-29	2	Pole Piece
GDS-2005A	1	FIELD COIL ASSY.- Comp.
GDS-2007	1	Field Coil Assy.-Left
X-976	1	Terminal
GDS-2008A	1	Field Coil Assy.-Right
GAL-298	1	C. B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-767	1	Terminal
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
GT-20	2	Frame Screw
X-199	2	1/4 Lock Washer

Comm. End Head Assembly & Parts Used With

(GCJ-3085B)	1	Comm. End Head Assembly
GAR-73	1	Oil Wick
GAR-98A	1	Wick Cover
GBW-69	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GBW-1068B	1	Comm. End Cap Cover
GCJ-51	1	3rd Brush Plate Retaining Spring
GCJ-1012†	2	Brush - Main
GCJ-1013†	1	Brush - Third
GCJ-1014L	1	3rd Brush Plate Assy.
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
GCJ-1085A	1	C. E. Head Part Assy.
GBF-79	1	ABSORBENT BRONZE BRG.
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
GCJ-1023L	1	Grounded Brush Holder Assembly
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
X-195	2	#8 Lock Washer
X-804	2	#8-32x5/16 Rd. Hd. Sc.
X-195	5	#8 Lock Washer
8X-311	1	#10-32x3/8 Rd. Hd. Screw
8X-888	4	#8-32x5/16 Fill. Hd. Screw
8X-1507	1	#8-32x1/4 Bdg. Hd. Screw
X-195	2	#8 Lock Washer
X-1507	2	#8-32x1/4 Bdg. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAR-1177	1	Oil Thrower Assembly
GCJ-2080	1	ARMATURE ASSEMBLY
X-157	1	1/2-20 Slotted Nut
X-263	1	#8 Woodruff Key
X-358	1	1/2 Plain Steel Washer
X-404	1	3/32x1 Cotter Pin

Drive End Head Assembly & Parts Used With

GAR-1229	1	Drive End Head Assembly
GAR-229	1	Drive End Head
GX-9	1	Bearing Retainer
GX-10	1	Gasket
X-196	3	#10 Lock Washer
8X-311	3	#10-32x3/8 Rd. Hd. Screw
X-378	1	BALL BEARING - S.A.E. #204
		Oil Seal

Miscellaneous Parts

GBW-1024A	1	Head Band Assembly
TC-4305B	1	TWO CHARGE REGULATOR
X-196	4	#10 Lock Washer
8X-321	4	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 1-26-42)

† SERVICE BRUSH SET GCJ-2012S.

UNIT	APPLICATION
GE0-4808	Universal Shovel, Bay City Shovel

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GEO-4809 GENERATOR PARTS LIST GEO-4809

PRELIMINARY

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GEO-2043)	1	Frame & Field Assembly
GAL-44	1	Field Connection Ins.
GAR-211	1	Insulating Bushing
GDS-29	2	Pole Piece
GDS-1005E	1	FIELD COIL ASSY.- Comp.
GDS-1007B	1	Field Coil Assy.-Left
X-976	1	Terminal
GDS-1008F	1	Field Coil Assy.-Right
GAL-299	1	C. B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-959	1	Terminal
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-140	1	#6-32 Hex. Nut
X-194	1	#6 Lock Washer
8X-1008	1	#6-32x9/16 Rd. Hd. Screw
GK-20A	2	Frame Screw
X-199	2	1/4 Lock Washer

Comm. End Plate Assembly & Parts Used With

(GCJ-2086A)	1	Comm. End Plate Assembly
GAR-73	1	Oil Wick
GAR-98A	1	Wick Cover
GBW-69	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GBW-1068B	1	Comm. End Cap Cover
GCJ-51	1	3rd Brush Plate Retaining Spring
GCJ-1014	1	3rd Brush Plate Assy.
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
GCJ-1086C	1	C. E. Plate Part Assy.
GBF-79	1	ABSORBENT BRONZE BRG.
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
GCJ-1023R	1	Grounded Brush Holder Assembly
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
X-195	2	#8 Lock Washer
8X-304	2	#8-32x5/16 Rd. Hd. Sc.
GDF-1012†	2	Brush - Main
GDF-1013†	1	Brush - Third
X-195	5	#8 Lock Washer
8X-311	1	#10-32x3/8 Rd. Hd. Screw
8X-888	4	#8-32x5/16 Fill. Hd. Sc.
8X-1507	1	#8-32x1/4 Bdg. Hd. Screw
X-195	2	#8 Lock Washer
8X-1507	2	#8-32x1/4 Bdg. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAL-310	1	Armature Shaft Spacer
GCJ-2091	1	ARMATURE ASSEMBLY
GK-174	1	1/4 Plain Washer
X-156	1	1/2-20 Castellated Nut
X-263	1	#8 Woodruff Key
X-404	1	3/32x1 Cotter Pin

Drive End Head Assembly & Parts Used With

GDF-1003E	1	Drive End Head Assembly
DB-17	1	Felt Guard
GAR-95	1	Felt Washer
GBC-25	1	Felt Guard
GDF-3E	1	Drive End Head
GW-29	1	Felt Washer
GX-9	1	Bearing Retainer
X-196	3	#10 Lock Washer
X-298	1	BALL BRG.- S.A.E. #204
8X-311	3	#10-32x3/8 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

CB-4014	1	CIRCUIT BREAKER ASSEMBLY
CB-123	1	Armature Spring
CB-160S	1	C. B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Screw
GBW-1024A	1	Head Band Assembly
X-196	2	#10 Lock Washer
8X-321	2	#10-32x5/16 Rd. Hd. Screw
8X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 7-2-41)

† SERVICE BRUSH SET GDF-2012S.

UNIT	APPLICATION
GEO-4809	Chris Craft

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name Of Part
(GEO-2055)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GAR-211	1	Bushing, Insulating
GEO-1005C	1	COIL ASSY., FIELD COMPLETE
GEO-1007B	1	Coil Assy., Field,Left
GAL-266	1	Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GEO-1008C	1	Coil Assy., Field, Right
X-767	1	Terminal
GK-38	2	Screw, Pole Shoe
MZ-21	2	Pin, Dowel
GT-20A	2	Bolt, Thru
12X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

DA-39	2	Washer, Plain, Felt Retaining
DA-132	1	Washer, Felt, C.E., Outer
GAB-188	1	Washer, Felt
GAR-82	1	Deflector, Air
GAR-83A	1	Cover, Comm. End
GBJ-25	1	Gasket, Comm. End Cover
GCJ-2108	1	Head Assy., Comm. End
GCJ-51	1	Spring, Retaining, 3rd. Brush Plate
GCJ-1012 †	2	Brush, Main
GCJ-1013 †	1	Brush, Third
GCJ-1014	1	Plate Assy., 3rd Brush
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1108	1	Head Assy., Partial, C.E.
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1023R	1	Holder Assy., Brush, Grounded
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
X-195	2	Lockwasher, Br. Holder Sc., #8
8X-304	2	Screw, Br. Holder, Rd. Hd. #8-32x5/16
8X-311	1	Screw, Retaing Spring, Rd. Hd. #10-32x3/8
8X-66	3	Screw, Air Deflector, Flat Hd. #10-32x1/2
12X-195	3	Lockwasher, Brush Lead Sc., #8
X-295	1	BEARING, BALL, S.A.E. #203
8X-305	3	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler

Comm. End Head Assembly & Parts (Cont'd.)

Part No.	No. Used	Name Of Part
8X-726	3	Screw, C.E. Cover, Bdg. Hd. #10-32x7/16
X-1270	3	Washer, Cover Screw, Skpf. #10
X-1621	3	Washer, Air Deflector Screw, Skpf. #10

Armature Assembly & Parts Used With

GAR-1177	1	Oil Thrower
GBM-21B	1	Nut, Armature Shaft, C.E.
GCJ-2047	1	ARMATURE ASSY.
GAR-171	1	Snap Ring
GK-174	1	Washer, Shaft, D.E., Plain, 1/2
GR-32	1	Retainer, Felt Washer
SP-96C	1	Fan, Ventilating
X-156	1	Nut, Shaft, D.E., Castellated, 1/2-20
X-258	1	Key, Woodruff, C.E., #3
X-263	1	Key, Woodruff, D.E., #8
X-404	1	Pin, Cotter, 3/32x1
X-864	1	Lockwasher, Arm. Shaft, C.E.

Drive End Head Assy. & Parts Used With

GAR-1096A	1	Head Assy., Drive End
GAR-95	1	Washer, Felt
GAR-96A	1	Head
GX-9	1	Retainer, Bearing
GX-10	1	Gasket, Brg. Retainer
X-196	3	Lockwasher, Retainer Screw, #10
8X-311	3	Screw, Retainer, Rd. Hd. #10-32x3/8
X-378	1	BEARING, BALL, SHIELDED, S.A.E. #204

Miscellaneous Parts

GBW-1024E	1	Band, Cover
*	1	REGULATOR, TWO CHARGE
12X-196	4	Lockwasher, Regulator Mtg. Sc., #10
8X-321	4	Screw, Regulator Mtg., Rd. Hd. #10-32x5/16
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

Assembly No.	Regulator
GEO-4810	TC-4302A
GEO-4810A	TC-4301C

† BRUSH SET, SERVICE GCJ-2012S.

* See table following parts list for part number applying to assembly wanted.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GEO-2054)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GAR-211	1	Bushing, Insulating
GEO-1005	1	COIL ASSY., FIELD, COMPLETE
GEO-1007	1	Coil Assy., Field, Left
GAL-298	1	Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GEO-1008	1	Coil Assy., Field, Right
X-767	1	Terminal
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
GT-20A	2	Bolt, Thru
X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

DA-39	2	Washer, Plain, Felt Retaining
DA-132	1	Washer, Felt, C.E. Outer
GAB-188	1	Washer, Felt, C.E. Inner
GAR-82	1	Deflector, Air
GAR-83A	1	Cover, Comm. End
GBJ-25	1	Gasket, C.E. Cover
GCJ-2108	1	Head Assy., Comm. End
GCJ-51	1	Spring, Retaining, 3rd. Brush Plate
GCJ-1012 †	2	Brush, Main
GCJ-1013 †	1	Brush, Third
GCJ-1014	1	Plate Assy., 3rd. Brush
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1108	1	Head Assy., Partial, C.E.
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1023R	1	Holder Assy., Brush, Grounded
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
X-195	2	Lockwasher, Holder Sc., #8
8X-304	2	Screw, Br. Holder, Rd. Hd. #8-32x5/16
8X-311	1	Screw, Retaining Spring, Rd. Hd. #10-32x3/8
GR-32	1	Retainer, Felt Washer
8X-66	3	Screw, Air Deflector, Flat Hd. #10-32x1/2

Comm. End Head Assy. (Continued)

Part No.	No. Used	Name of Part
X-195	3	Lockwasher, Brush Lead Sc., #8
X-295	1	BEARING, BALL, S.A.E. #203
8X-305	3	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler
8X-726	3	Screw, C.E. Cover, Bdg. Hd. #10-32x7/16
X-1270	3	Washer, Skpf., Cover Screw, #10
X-1621	3	Washer, Skpf., Deflector Screw, #10

Armature Assembly & Parts Used With

DG-1144	1	Oil Thrower
GBM-21B	1	Nut, Shaft, C.E.
GCJ-2048F	1	ARMATURE ASSY.
GAR-171	1	Snap Ring
SP-96C	1	Fan, Ventilating
X-157	1	Nut, Ar. Shaft, D.E., Hex. 1/2-20
X-258	1	Key, Woodruff, C.E., #3
X-263	1	Key, Woodruff, D.E., #8
X-358	1	Washer, Arm. Shaft, D.E., Plain 1/2
X-404	1	Pin, Cotter, 3/32x1
X-864	1	Lockwasher Shaft, C.E.

Drive End Head Assy. & Parts Used With

GAR-1192	1	Head Assy., Drive End
GAE-47	1	Retainer, Bearing
GAR-192	1	Head
8X-66	3	Screw, Retainer, Flat Hd. #10-32x1/2
X-378	1	BEARING, BALL, SHIELDED, S.A.E. #204
X-1621	3	Washer, Skpf., Retainer Screw, #10

Miscellaneous Parts

GBW-1024E	1	Band, Cover
TC-4302A	1	REGULATOR, TWO CHARGE
X-196	4	Lockwasher, Reg. Mtg. Sc., #10
8X-321	4	Screw, Reg. Mtg., Rd. Hd. #10-32x5/16
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GCJ-2012S.

UNIT	APPLICATION
GEO-4811	Bay City Shovels, Ross Carrier

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

(Issued 3-1-50)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GEO-2054)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GAR-211	1	Bushing, Insulating
GEO-1005	1	COIL ASSY., FIELD, COMPLETE
GEO-1007	1	Coil Assy., Field, Left
GAL-298	1	Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GEO-1008	1	Coil Assy., Field, Right
X-767	1	Terminal
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
GT-20A	2	Bolt, Thru
X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

DA-39	2	Washer, Plain, Felt Retaining
DA-132	1	Washer, Felt, C.E. Outer
GAB-188	1	Washer, Felt, C.E. Inner
GAR-83A	1	Cover, Comm. End
GBJ-25	1	Gasket, Comm. End Cover
GCJ-2108	1	Head Assy., Comm. End
GCJ-51	1	Spring, Retaining, 3rd Brush Plate
GCJ-1012†	2	Brush, Main
GCJ-1013†	1	Brush, Third
GCJ-1014	1	Plate Assy., 3rd. Brush
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1108	1	Head Assy., Partial, C.E.
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1023R	1	Holder Assy., Brush Grounded
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
X-195	2	Lockwasher, Holder Sc., #8
8X-304	2	Screw, Br. Holder, #8-32x5/16
8X-311	1	Screw, Retainer, Rd. Hd. #10-32x3/8
X-195	3	Lockwasher, Brush Lead Sc., #8
X-295	1	BEARING, BALL, S.A.E. #203
X-489	1	Oiler
8X-726	3	Screw, C.E. Cover, Bdg. Hd. #10-32x7/16
X-1270	3	Washer, Cover Sc., Skpf. #10
8X-1507	3	Screw, Brush Lead, Bdg. Hd. #8-32x1/4

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
DG-1144	1	Oil Thrower
GBM-21B	1	Nut, Arm. Shaft, C.E.
GCJ-2044F	1	ARMATURE ASSY.
GAR-171	1	Snap Ring
GR-32	1	Retainer, Felt Washer
SP-96C	1	Fan, Ventilating
X-258	2	Key, Woodruff, #3
X-358	1	Washer, Shaft, D.E., Plain 1/2
X-404	1	Pin, Cotter
X-835	1	Nut, Shaft, D.E., Slotted 1/2-20
X-864	1	Lockwasher, Shaft, C.E.

Drive End Head Assembly & Parts Used With

GAR-1192	1	Head Assy., Drive End
GAE-47	1	Retainer, Bearing
GAR-192	1	Head, Drive End
8X-66	3	Screw, Retainer, Flat Hd. #10-32x1/2
X-378	1	BEARING, BALL, SHIELDED, S.A.E. #204
X-1621	3	Washer, Retainer Sc., Skpf. #10

Miscellaneous Parts

GBW-1024E	1	Band, Cover
TC-4302A	1	REGULATOR, TWO CHARGE
X-196	4	Lockwasher, Regulator Mtg. Sc., #10
8X-321	4	Screw, Regulator Mtg., Rd. Hd. #10-32x5/16
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GCJ-2012S.

UNIT	APPLICATION
GEO-4813	U.S. Motors, Cullen-Friestedt

(Issued 10-12-49)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GEO-3066)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GAR-211A	1	Bushing, Insulating
GEO-2005B	1	COIL ASSY., FIELD, COMPLETE
GEO-2007	1	Coil Assy., Field, Left
X-976	1	Terminal
GEO-2008B	1	Coil Assy., Field, Right
GAL-296	1	Lead Assembly
X-755	1	Terminal
X-1425	1	Terminal
X-959	1	Terminal
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
8X-140	1	Nut, Field Ground, Hex. #6-32
X-194	1	Lockwasher, Grd. Screw, #6
8X-1008	1	Screw, Field Ground, Rd. Hd. #6-32x9/16
GK-20	2	Bolt, Thru
X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

GCJ-3085B	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBW-69	1	Gasket, Comm. End Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GBW-1068	1	Cover, Comm. End
GCJ-51	1	Spring, Retaining, 3rd. Brush Plate
GCJ-1012†	2	Brush, Main
GCJ-1013†	1	Brush, Third
GCJ-1014L	1	Plate Assy., 3rd Brush
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1085C	1	Head Assy., Partial, C.E.
GBF-79	1	BEARING, ABS. BRONZE
GBW-45	1	Spring, Ins., Brush
GCJ-26	1	Arm, Ins., Brush
GCJ-1023L	1	Holder Assy., Brush, Grounded
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
X-195	2	Lockwasher, Holder Screw, #8
8X-304	2	Screw, Holder Attaching, Rd. Hd. #8-32x5/16
X-195	4	Lockwasher, Cover Sc., #8

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
8X-311	1	Screw, Plate Retaining, Rd. Hd. #10-32x3/8
8X-888	4	Screw, Cover Fill. Hd. #8-32x5/16
X-195	3	Lockwasher, Brush Lead Sc., #8
8X-1507	3	Screw, Brush Lead, Bdg. Hd. #8-32x1/4

Armature Assembly & Parts Used With

GAL-310	1	Spacer, Armature Shaft
GCJ-2091	1	ARMATURE
GK-174	1	Washer, Shaft Nut, Plain 1/2
X-156	1	Nut, Arm. Shaft, D.E., Hex. Castellated 1/2-20
X-263	1	Key, Woodruff, #8
X-404	1	Pin, Cotter, 3/32x1

Drive End Head Assembly & Parts Used With

GDF-1003C	1	Head Assy., Drive End
DB-17	1	Washer, Felt Retaining
GAR-95	1	Washer, Felt, Inner
GBC-25	1	Retainer, Felt Washer Inner
GDF-3C	1	Head, Drive End
GG-164	1	Washer, Felt, Outer
GX-9	1	Retainer, Bearing
X-196	3	Lockwasher, Retainer Screw, #10
X-298	1	BEARING, BALL, S.A.E. #204
8X-311	3	Screw, Retainer, Rd. Hd. #10-32x3/8
X-489	1	Oiler

Miscellaneous Parts

CB-4014	1	RELAY ASSY., CUTOUT
CB-123	1	Spring, Armature
CB-160S	1	Cover
PX-55	1	Screw, Arm. Term., Bdg. Hd. #10-32x3/16
12X-196	2	Lockwasher, Term. Screw, #10
8X-312	1	Screw, Bat. Term., Rd. Hd. #10-32x1/4
GBW-24B	1	Band, Cover
X-196	2	Lockwasher, Relay Mtg. Sc., #10
8X-321	2	Screw, Relay Mtg., Rd. Hd. #10-32x5/16
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GCJ-2012S.

UNIT	APPLICATION
GEO-4814-3	Kermath

(Issued 6-3-49)

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GEO-3078)	1	Frame & Frame Assy.
GAL-44	1	Insulation, Field Connection
GAR-211	1	Bushing, Insulating
GEO-2005A	1	COIL ASSY., FIELD, COMPLETE
GEO-2007	1	Coil Assy., Field, Left
X-976	1	Terminal
GEO-2008A	1	Coil Assy. Field, Right
GAL-298	1	Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-767	1	Terminal
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
GT-20A	2	Bolt, Thru
12X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

DA-39	2	Washer, Plain, Felt Retaining
DA-132	1	Washer, Felt, C.E., Outer
GAB-188	1	Washer, Felt, C.E., Inner
GAR-83A	1	Cover, Comm. End
GBJ-25	1	Gasket, C.E. Cover
GCJ-3122	1	Head Assy., Comm. End
GCJ-51	1	Spring, Retaining, 3rd Brush Plate
GCJ-1012†	2	Brush, Main
GCJ-1013†	1	Brush, Third
GCJ-1014L	1	Plate Assy., 3rd. Brush
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1122	1	Head Assy., Partial, C.E.
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1023L	1	Holder Assy., Brush, Grounded
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
12X-195	2	Lockwasher, Holder Screw, #8
8X-304	2	Screw, Brush Holder, Rd. Hd. #8-32x5/16
8X-311	1	Screw, Retaining Spring, Rd. Hd. #10-32x3/8
12X-195	3	Lockwasher, Brush Lead Sc., #8
X-295	1	BEARING, BALL, S.A.E. #203
X-489	1	Oiler
8X-726	3	Screw, C.E. Cover, Bdg. Hd. #10-32x7/16
X-1270	3	Washer, Cover Sc., Skpf. #10
8X-1507	3	Screw, Brush Lead, Bdg. Hd. #8-32x1/4

Armature Assy. & Parts Used With

Part No.	No. Used	Name of Part
GAR-1177	1	Oil Thrower
GBM-21B	1	Nut, Arm. Shaft, C.E.
GCJ-2042	1	ARMATURE ASSY.
GAR-171	1	Snap Ring
GR-32	1	Retainer, Felt Washer
SP-96C	1	Fan, Ventilating
X-157	1	Nut, Shaft, D.E., Hex. 1/2-20
X-258	1	Key, Woodruff, C.E., #3
X-263	1	Key, Woodruff, D.E., #8
X-358	1	Washer, Shaft, D.E., Plain 1/2
X-404	1	Pin, Cotter
12X-864	1	Lockwasher, Arm. Shaft, C.E.

Drive End Head Assy. & Parts Used With

GAL-1330	1	Head Assy., Drive End
GAL-330	1	Head, Drive End
GX-9	1	Retainer, Bearing
GX-10	1	Gasket, Retainer
X-196	3	Lockwasher, Retainer Sc., #10
8X-311	3	Screw, Retainer, Rd. Hd. #10-32x3/8
X-378	1	BEARING, BALL, SHIELDED, S.A.E. #204

Miscellaneous Parts

GBW-24B	1	Band, Cover
TC-4302A	1	REGULATOR, TWO CHARGE
12X-196	4	Lockwasher, Regulator Mtg. Sc., #10
8X-321	4	Screw, Regulator Mtg., Rd. Hd. #10-32x5/16
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GCJ-2012S.

UNIT	APPLICATION
GEO-4815	Cullen-Friestedt
GEO-4815P	Koehring

(Issued 10-12-49)

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GEO-2065)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GAR-211	1	Bushing, Insulating
GEO-1005	1	COIL ASSY., FIELD, COMP.
GEO-1007	1	Coil Assy., Field, Left
GAL-298	1	Lead Assy., C.B.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GEO-1008	1	Coil Assy., Field, Right
X-767	1	Terminal
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
GK-20A	2	Screw, Frame
12X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

GCJ-2107AS	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBW-69	1	Gasket, C.E. Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Retaining
GBW-1068	1	Cover, Comm. End
GCJ-51	1	Spring, Retaining, 3rd. Brush Plate
GCJ-1012†	2	Brush, Main
GCJ-1013†	1	Brush, Third
GCJ-1014	1	Plate Assy., 3rd Brush
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1107CS	1	Head Assy., Partial, C.E.
GBF-79	1	BEARING, ABS. BRONZE
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1023R	1	Holder Assy., Br. Grounded
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
X-195	2	Lockwasher, Br. Holder, #8
8X-304	2	Screw, Brush Holder, Rd. Hd. #8-32x5/16
12X-195	4	Lockwasher, Cover Sc. #8
8X-311	1	Screw, Retaining Spring Rd. Hd. #10-32x3/8
8X-888	4	Screw, Cover, Fil. Hd. #8-32x5/16
12X-195	3	Lockwasher, #8
8X-1507	3	Sc. Bdg. Hd., #8-32x1/4

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GBM-21B	1	Nut, Armature Shaft
GCJ-2006F	1	ARMATURE ASSY.
GAR-171	1	Snap Ring
GR-32	1	Retainer, Felt Washer
SP-322	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
12X-864	1	Lockwasher, Shaft

Drive End Head Assembly & Parts Used With

GFW-1031S	1	Head Assy., Drive End
GAR-63	2	Retainer, Felt Washer
GAR-64	2	Retainer, Bearing
GFW-31S	1	Head
GG-164	2	Washer, Felt
8X-173	3	Nut, Retainer Sc. Hex. #10-32
X-196	3	Lockwasher, Retainer Sc. #10
X-295	1	BEARING, BALL S.A.E. #203
X-489	1	Oiler, Press in Type 1/4
8X-1003	3	Screw, Retainer Rd. Hd. #10-32x7/8

Miscellaneous Parts

GBW-24B	1	Band, Cover
TC-4327E	1	REGULATOR, TWO CHARGE
12X-196	4	Lockwasher, Regulator Mtg., #10
8X-321	4	Screw, Regulator Mtg., Rd. Hd. #10-32x5/16
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GCJ-2012S.

UNIT	APPLICATION
GEO-4816A	Buda

(Issued 8-24-48)

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GEO-2082)	1	Frame & Field Assembly
GAL-44	1	Insulation, Field Conn.
GBW-34	1	Washer, Ins., Field Term. Outer
GBW-67	1	Insulation, Field Term. Inner
GCY-25	1	Bushing, Ins., Field Term.
GEO-1005H	1	COIL ASSY., FIELD, COMP.
GEB-58	1	Stud, Field Term.,#10-32
GEO-1007E	1	Coil Assy., Field Upper
GAL-298	1	Lead Assy., C.B.
X-755	1	Terminal
X-1425	1	Terminal
GEO-1008H	1	Coil Assy., Field, Lower
X-976	1	Terminal
GFE-37	1	Bushing, Ins.
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
12X-196	2	Lockwasher, Field Term., #10
8X-349	1	Washer, Plain, Field Term., #10
8X-1377	2	Nut, Field Term., #10-32
GK-20A	2	Bolt, Thru
12X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

GCJ-2087D	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBM-126	1	Packing
GBW-30E	1	Cover, Comm. End
GBW-69	1	Gasker, C.E. Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GCJ-51	1	Spring, Retaining, 3rd. Brush Plate
GCJ-1012 †	2	Brush, Main
GCJ-1013 †	1	Brush, Third
GCJ-1014	1	Plate Assy., 3rd Brush
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1087E	1	Head Assy., Partial, C.E.
GBF-79	1	BEARING, ABS. BRONZE
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1023R	1	Holder Assy., Brush, Grounded
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
X-195	2	Lockwasher, Brush Holder Screw, #8
8X-304	2	Screw, Brush Holder, Rd. Hd., #8-32x5/16

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
GDJ-118	1	Wick, Felt
12X-195	4	Lockwasher, C.E. Cover Sc., #8
8X-311	1	Screw, Retaining, 3rd. Brush Plate, Rd. Hd. #10-32x3/8
8X-888	4	Screw, Cover, Fill. Hd. #8-32x5/16
X-2961	1	Oiler, Press in
12X-195	3	Lockwasher, Brush Lead Sc., #8
8X-1507	3	Screw, Brush Lead, Bdg. Hd. #8-32x1/4

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Shaft, Hex., .669-20
GCJ-2006F	1	ARMATURE ASSY.
GAR-171	1	Snap Ring
GJ-104B	1	Spacer, Arm. Shaft
GR-32	1	Retainer, Felt Washer
SP-854A	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
12X-864	1	Lockwasher, Shaft

Drive End Head Assembly & Parts Used With

GAM-1110C	1	Head Assy., Drive End
GAM-110A	1	Head
GBM-124	1	Gasket, Bearing Retainer
GBM-125	1	Retainer, Felt Washer, Inner
GBM-127	1	Retainer, Bearing
GBM-128	1	Retainer, Felt Washer, Outer
GG-164A	2	Washer, Felt
12X-196	3	Lockwasher, Retainer Sc. #10
8X-311	3	Screw, Retainer, Rd. Hd. #10-32x3/8
X-441	1	BEARING, BALL
X-2961	1	Oiler

Miscellaneous Parts

CB-4014	1	RELAY ASSY., CUTOUT
CB-123	1	Spring, Armature
CB-160S	1	Cover
PX-55	1	Screw, Arm. Term., Bdg. Hd. #10-32x3/16
X-196	1	Lockwasher, Term., Sc. #10
8X-312	1	Screw, Bat. Term. Rd. Hd. #10-32x1/4
GBW-1024R	1	Band, Cover
8X-321	2	Screw, Cutout Relay Mtg., Rd. Hd. #10-32x5/16

(Continued on Reverse Side)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Miscellaneous Parts (Con't.)

8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32
X-1270	2	Washer, Cutout Relay Mtg., Skpf. #10

† BRUSH SET, SERVICE GCJ-2012S.

UNIT	APPLICATION
GEO-4818A-3	Cockshutt

(Issued 8-24-48)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GEO-4819 GENERATOR PARTS LIST

GEO-4819
(Issued 1-27-56)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GEO-2054	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GAR-211	1	Bushing, Insulating
GEO-1005	1	COIL ASSY., FIELD, COMPLETE
GEO-1007	1	Coil Assy., Field, Left
GAL-298	1	Lead Assembly
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GEO-1008	1	Coil Assy., Field, Right
X-767	1	Terminal
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
GT-20A	2	Bolt, Thru
12X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

DA-39	2	Washer, Plain, Felt Retaining
DA-132	1	Washer, Felt, C. E. Outer
GAB-188	1	Washer, Felt, C. E. Inner
GAR-83A	1	Cover, Comm. End
GBJ-25	1	Gasket, C. E. Cover
GCJ-2012S	1	BRUSH SET, SERVICE
GCJ-2108S	1	Head Assy., Comm. End
GCJ-51	1	Spring, Retaining, 3rd. Brush Plate
GCJ-1014	1	Plate Assy., 3rd. Brush
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1108	1	Head Assy., Partial, C. E.
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1023R	1	Holder Assy., Brush, Grounded
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
X-195	2	Lockwasher, Holder Sc., #8
8X-304	2	Screw, Brush Holder, Rd. Hd. #8-32x5/16
GGW-52	1	Screw, Spring, Rd. Hd. #10-32x1/2
12X-195	3	Lockwasher, Lead Sc., #8
X-295	1	BEARING, BALL, S. A. E. #203
8X-305	3	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler
8X-726	3	Screw, C. E. Cover, Bdg. Hd. #10-32x7/16
X-1270	3	Washer, Cover Sc., Skpf. #10

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GAR-1177	1	Oil Thrower
GBM-21B	1	Nut, Arm. Shaft, C. E.
GCJ-2047	1	ARMATURE ASSY.
GAR-171	1	Snap Ring
GK-174	1	Washer, Arm. Shaft, D. E.
GR-32	1	Retainer, Felt Washer
SP-96C	1	Fan, Ventilating
X-156	1	Nut, Arm. Shaft, D. E.
X-258	1	Key, Woodruff, C. E., #3
X-263	1	Key, Woodruff, D. E., #8
X-404	1	Pin, Cotter
X-864	1	Lockwasher, Shaft, C. E.

Drive End Head Assembly & Parts Used With

GAR-1096A	1	Head Assy., Drive End
GAR-95	1	Washer, Felt
GAR-96A	1	Head, Drive End
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
GX-9	1	Retainer, Bearing
GX-10	1	Gasket
12X-196	3	Lockwasher, Retainer Sc., #10
X-378	1	BEARING, BALL, SHIELDED, S. A. E. #204

Miscellaneous Parts

GBW-1024E	1	Band, Cover
TC-4302A	1	REGULATOR, TWO CHARGE
12X-196	4	Lockwasher, Mtg. Sc., #10
8X-321	4	Screw, Reg. Mtg., Rd. Hd. #10-32x5/16
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

UNIT	APPLICATION
GEO-4819	Hercules

Printed in U. S. A.

File in
Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCJ-33	1	Grounding Cup
(GDS-2040)	1	Frame & Field Assy.
GAA-32	1	Term. Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
GDS-29	2	Pole Piece
GDS-30	1	Lead Assembly
GAA-27	1	Terminal Post
X-847	1	Terminal
GDS-41	1	Term. Post Bottom Ins.
GDS-1005D	1	FIELD COIL ASSY.-Comp.
GBW-58	1	Terminal Post
GDS-1007	1	Field Coil Assy.-Left
X-976	1	Terminal
GDS-1008E	1	Field Coil-Right
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
GK-20	2	Frame Screw
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
X-199	2	1/4 Lock Washer
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

(GDF-2002A)	1	Comm. End Plate Assy.
GAR-73	1	Oil Wick
GAR-98A	1	Wick Cover
GBW-30B	1	Comm. End Cap Cover
GBW-31	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GCJ-51	1	3rd Brush Plate Retaining Spring
GCJ-1002C	1	C.E. Plate Part Assy.
GBF-79	1	ABSORBENT BRONZE BRG.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
GCJ-1014	1	3rd Brush Plate Assy.
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
GDF-1012†	2	Brush - Main
GDF-1013†	1	Brush - Third
X-195	5	#8 Lock Washer
8X-311	1	#10-32x3/8 Rd. Hd. Sc.
X-489	1	1/4 Oiler-Press in Type
8X-888	4	#8-32x5/16 Fill. Hd. Sc.
8X-1507	1	#8-32x1/4 Bdg. Hd. Sc.
X-195	2	#8 Lock Washer
8X-1507	2	#8-32x1/4 Bdg. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GDF-2006	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GR-32	1	Felt Washer Retainer
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GBJ-1065	1	Drive End Head Assy.
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GBJ-65	1	Drive End Head
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	BALL BRG. - S.A.E. #203
X-489	1	1/4 Oiler-Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Sc.

Miscellaneous Parts

GBW-24	1	Head Band Assembly
X-196	4	#10 Lock Washer
8X-321	4	#10-32x5/16 Rd. Hd. Screw
X-714	1	#10-32x1 1/2 Rd. Hd. Sc.
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

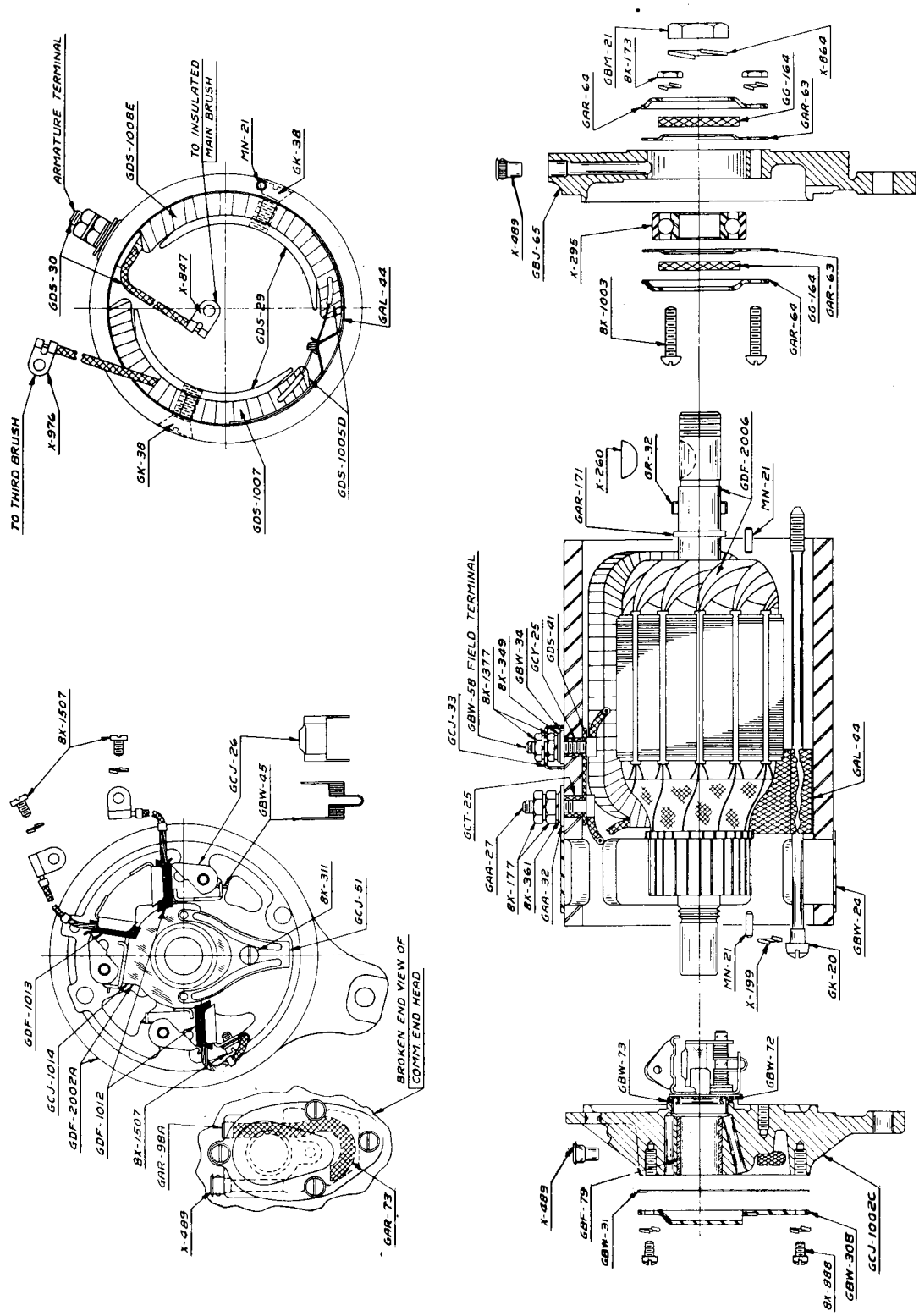
(Issued 7-10-40)

† Service BRUSH SET GDF-2012S.

UNIT	APPLICATION
GEP-4801	Service Gen.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GEP-4801 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GEC-2001)	1	Frame & Field Assy.
GAA-32	1	Term. Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
GDS-30	1	Lead Assembly
GAA-27	1	Terminal Post
X-847	1	Terminal
GDZ-29	2	Pole Piece
GEA-34	1	Term. Post Bottom Ins.
GEC-1005	1	FIELD COIL ASSY.-Comp.
GBW-58	1	Terminal Post
GDZ-1008	1	Field Coil-Right
GEC-1007	1	Field Coil Assy.-Left
X-976	1	Terminal
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
5X-1377	1	#10-32 Hex. Nut
GY-20A	2	Frame Screw
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	2	#10 Lock Washer
X-199	2	1/4 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Sc.
5X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

(GEC-2084)	1	Comm. End Plate Assy.
GAR-73	1	Oil Wick
GAR-98A	1	Wick Cover
GBW-30B	1	Comm. End Cap Cover
GBW-31	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GCJ-51	1	3rd Brush Plate Retaining Spring
GCJ-1014	1	3rd Brush Plate Assy.
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
GCJ-1084A	1	C.E. Plate Part Assy.
GBF-79	1	ABSORBENT BRONZE BRG.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
GDF-1012†	2	Brush - Main
GEC-1013†	1	Brush - Third
X-195	5	#8 Lock Washer
8X-311	1	#10-32x3/8 Rd. Hd. Sc.
X-489	1	1/4 Oiler-Press in Type
8X-888	4	#8-32x5/16 Fill. Hd. Sc.
8X-1507	1	#8-32x1/4 Bdg. Hd. Sc.
X-195	2	#8 Lock Washer
8X-1507	2	#8-32x1/4 Bdg. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GDZ-2006F	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GR-32	1	Felt Washer Retainer
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GBJ-1065	1	Drive End Head Assy.
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GBJ-65	1	Drive End Head
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	BALL BRG. - S.A.E. #203
X-489	1	1/4 Oiler-Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Sc.

Miscellaneous Parts

GBW-24	1	Head Band
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

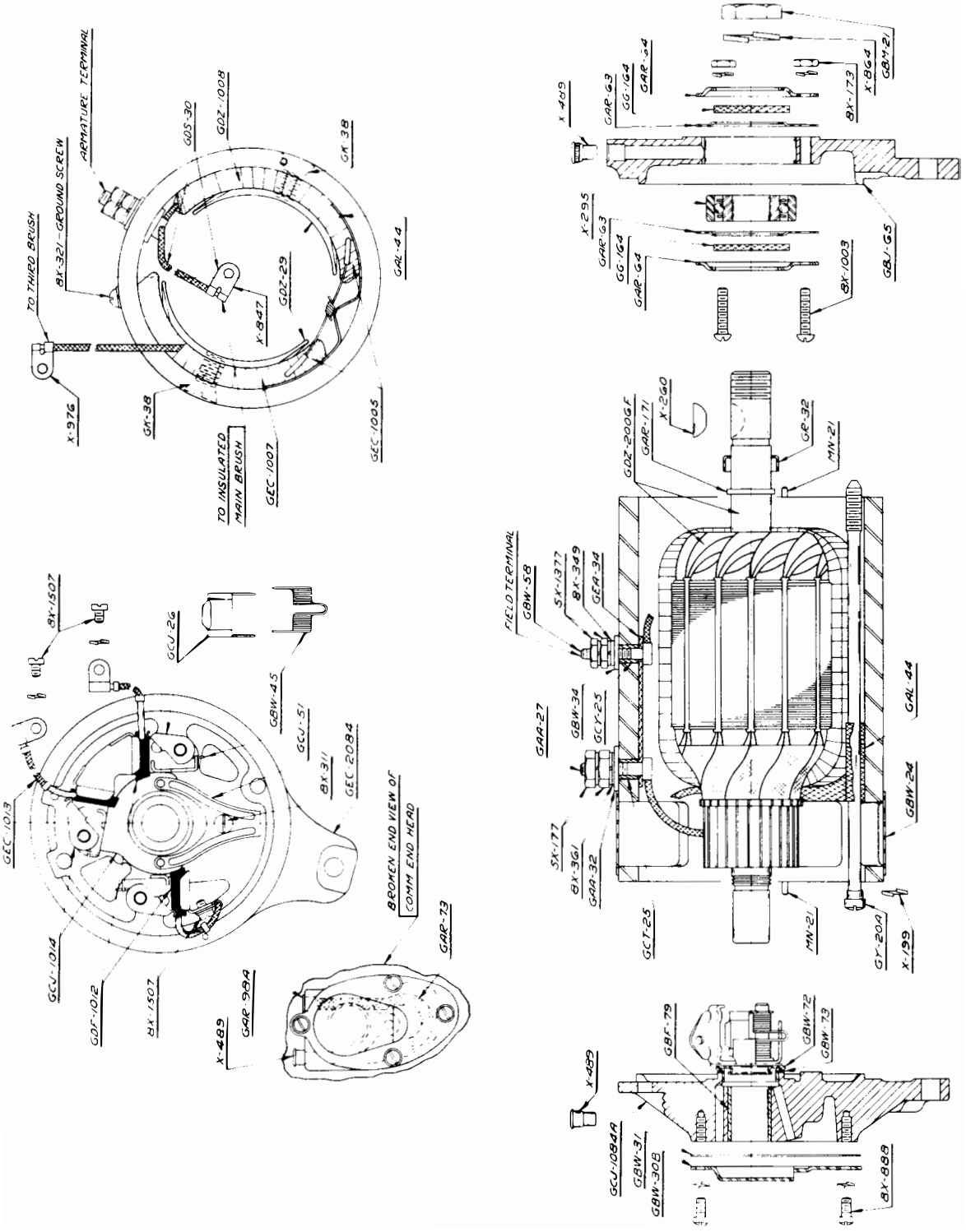
(Issued 7-10-40)

† Service BRUSH SET GDF-2012CS.

UNIT	APPLICATION
GER-4801	Service Gen.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GER-4801 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GEA-2001A)	1	Frame & Field Assy.
GAA-32	1	Term. Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
GEA-29	2	Pole Piece
GEA-34	1	Term. Post Bottom Ins.
GEA-1005	1	FIELD COIL ASSY.-Comp.
GBW-58	1	Terminal Post
GEA-27	1	Terminal Post
GEA-30	1	Lead Assembly
X-847	1	Terminal
GEA-1007	1	Field Coil-Left
GEA-1008	1	Field Coil-Right
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
5X-1377	1	#10-32 Hex. Nut
GY-20	2	Frame Screw
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	2	#10 Lock Washer
X-199	2	1/4 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Sc.
5X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

(GEA-2002A)	1	Comm. End Plate Assy.
GAR-73	1	Oil Wick
GAR-98A	1	Wick Cover
GBW-30B	1	Comm. End Cap Cover
GBW-69	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GBW-1012A†	2	Brush - Main
GEA-1002C	1	C.E. Plate Part Assy.
GBF-79	1	ABSORBENT BRONZE BRG.
GBW-45	2	Brush Spring
GCJ-26	2	Brush Arm
X-195	5	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Sc.
X-489	1	1/4 Oiler-Press in Type
8X-888	4	#8-32x5/16 Fill. Hd. Sc.
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GDZ-2006F	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GR-32	1	Felt Washer Retainer
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GEA-1003	1	Drive End Head Assy.
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GEA-3	1	Drive End Head
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	BALL BRG.-S.A.E. #203
X-489	1	1/4 Oiler-Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Screw

Miscellaneous Parts

GEA-24A	1	Head Band
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

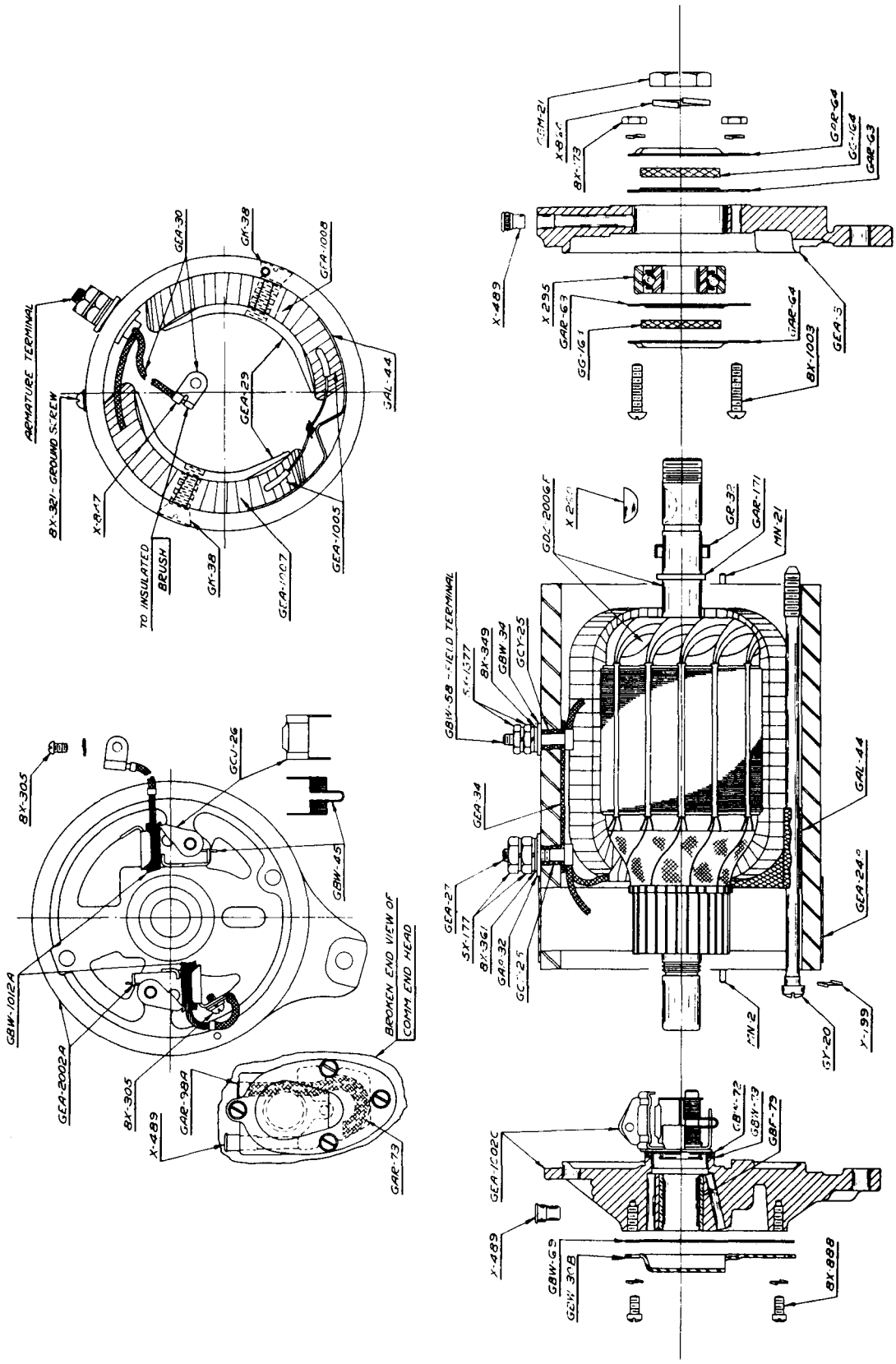
(Issued 7-10-40)

† Service BRUSH SET GBW-2012AS.

UNIT	APPLICATION
GES-4801	Service Gen.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GES-4801 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part 1 2 3 4 5
GCO-20	2	Frame Screw
(GET-3001)	1	Frame & Field Assembly
GAA-30	1	Terminal Post Bottom Ins.
GAA-32	1	Terminal Post Bottom Ins.
GAL-44	1	Field Connection Ins.
GCT-25	1	Insulating Bushing
GEE-23	1	Lead Assembly
GAA-27	1	Terminal Post
X-947	1	Terminal
GET-29	2	Pole Piece
GET-2005	1	FIELD COIL ASSY.- Comp.
GAA-27	1	Terminal Post
GET-1007	1	Field Coil Assy.-Right
X-946	1	Terminal
GET-1008	1	Field Coil - Left
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-177	2	#14-24 Hex. Nut
12X-193	2	#14 Lock Washer
8X-361	1	1/4 Plain Washer
8X-177	2	#14-24 Hex. Nut
X-193	2	#14 Lock Washer
X-199	2	1/4 Lock Washer

Comm. End Plate Assembly & Parts Used With

GEE-27	1	End Cap Cover Gasket
GEE-28	1	Comm. End Cap Cover
(GET-3002)	1	Comm. End Plate Assembly
GAL-199	2	Brush Screw Block
GAL-205	2	3rd Brush Plate Retaining Spring
GAL-242	2	Brush Holder
GCX-19	2	Brush Spring
GDU-30	1	Lead Assembly
X-958	2	Terminal
GED-12†	2	Brush - Main
GET-1002	1	C. E. Plate Part Assy.
GET-2213	1	3rd Brush Holder Plate Assembly
GAL-199	1	Brush Screw Block
GAL-242	1	Brush Holder
GAR-1213	1	3rd Brush Holder Plate Part Assembly
GCX-19	1	Brush Spring
GED-13†	1	Brush - Third
8X-59	1	#8-32x3/16 Rd. Hd. Sc.
X-1276	1	#8 Skpf. Washer
8X-1505	1	#8-32x9/16 Bdg. Hd.Sc.
8X-59	2	#8-32x3/16 Rd. Hd. Screw
8X-63	2	#8-32x3/8 Flat Hd. Sc.
X-195	2	#8 Lock Washer
8X-304	1	#8-32x5/16 Rd. Hd. Screw
X-1276	1	#8 Skpf. Washer
8X-1505	2	#8-32x9/16 Bdg. Hd. Sc.
GG-60	1	Spacer
8X-62	3	#10-32x3/8 Flat Hd. Screw
X-1501	1	BALL BEARING - Oil Seal

1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part 1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GET-2006	1	ARMATURE ASSEMBLY
GAR-171	2	Snap Ring
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GEE-25	1	Noise Eliminator
GET-3	1	End Head
X-1501	1	BALL BEARING - Oil Seal

Miscellaneous Parts

GET-24	1	Head Band
8X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut

1 2 3 4 5

(Issued 5-20-41)

† SERVICE BRUSH SET GED-1012S.

NOTE:- CBO-4001 CIRCUIT BREAKER is used with but is not a part of this generator.

UNIT	APPLICATION
GET-4501	Wincharger Corp.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DK-23B	2	Frame Screw
(GET-2031)	1	Frame & Field Assembly
GAA-30	1	Terminal Post Bottom Ins.
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GCT-25	1	Insulating Bushing
GDU-31	1	Lead Assembly
GAA-27	1	Terminal Post
X-947	1	Terminal
GET-29	2	Pole Piece
GET-1005	1	FIELD COIL ASSY.- Comp.
GET-1007	1	Field Coil Assy.-Right
X-946	1	Terminal
GET-1008A	1	Field Coil Assy.-Left
X-959	1	Terminal
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-140	1	#6-32 Hex. Nut
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-194	1	#6 Lock Washer
8X-361	1	1/4 Plain Washer
8X-1008	1	#6-32x9/16 Rd. Hd. Screw
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
X-203	2	5/16 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw

Comm. End Plate Assembly & Parts Used With

GCX-39	1	Ground Spring
(GET-2033)	1	Comm. End Plate Assembly
GAL-199	2	Brush Screw Block
GAL-205	2	3rd Brush Plate Retaining Spring
GAL-242	2	Brush Holder
GCX-19	2	Brush Spring
GDU-30	1	Lead Assembly
X-958	2	Terminal
GED-12†	2	Brush - Main
GET-1033	1	C. E. Plate Part Assembly
GET-2037	1	3rd Brush Holder Plate Assembly
GAL-199	1	Brush Screw Block
GAL-242	1	Brush Holder
GCX-19	1	Brush Spring
GCX-1037	1	3rd Br. Plate Part Assembly
GED-13†	1	Brush - Third
8X-59	1	#8-32x3/16 Rd. Hd. Sc.
X-1276	1	#8 Skpf. Lock Washer
8X-1505	1	#8-32x9/16 Bdg. Hd.Sc.
8X-59	2	#8-32x3/16 Rd. Hd. Screw
8X-63	2	#8-32x3/8 Flat Hd. Screw
X-195	2	#8 Lock Washer
8X-304	1	#8-32x5/16 Rd. Hd. Screw
X-1276	1	#8 Skpf. Washer
8X-1505	2	#8-32x9/16 Bdg. Hd. Sc.
X-1502	1	BALL BEARING - Oil Seal
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GCX-23	1	Armature Shaft Spacer
GET-2032	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GET-1034	1	Drive End Head Assembly
GET-34	1	Drive End Head
GG-6	2	Bearing Retainer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
8X-316	3	#10-32x3/4 Rd. Hd. Sc.
X-1501	1	BALL BRG.- Oil Seal

Miscellaneous Parts

GET-24A	1	Head Band
8X-715	1	#10-32x1 1/4 Rd. Hd. Sc.
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 7-1-41)

† SERVICE BRUSH SET GED-1012S.

NOTE:- CBO-4001 CIRCUIT BREAKER is used with but is not a part of this generator.

UNIT	APPLICATION
GET-4502	Parris Dunn

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GET-4503 GENERATOR PARTS LIST GET-4503

PRELIMINARY

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCO-20	2	Frame Screw
(GET-3001)	1	Frame & Field Assembly
GAA-30	1	Terminal Post Bottom Ins.
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GCT-25	1	Insulating Bushing
GEE-23	1	Lead Assembly
GAA-27	1	Terminal Post
X-947	1	Terminal
GET-29	2	Pole Piece
GET-2005	1	FIELD COIL ASSY.- Comp.
GAA-27	1	Terminal Post
GET-1007	1	Field Coil Assy.-Right
X-946	1	Terminal
GET-1008	1	Field Coil - Left
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-177	2	#14-24 Hex. Nut
12X-193	2	#14 Lock Washer
8X-361	1	1/4 Plain Washer
8X-177	2	#14-24 Hex. Nut
X-193	2	#14 Lock Washer
X-199	2	1/4 Lock Washer

Comm. End Plate Assembly & Parts Used With

GEE-27	1	End Cap Cover Gasket
GEE-28	1	Comm. End Cap Cover
(GET-3002)	1	Comm. End Plate Assembly
GAL-199	2	Brush Screw Block
GAL-205	2	3rd Brush Plate Retaining Spring
GAL-242	2	Brush Holder
GCX-19	2	Brush Spring
GDU-30	1	Lead Assembly
X-958	2	Terminal
GED-12‡	2	Brush - Main
GET-1002	1	C. E. Plate Part Assy.
GET-2213	1	3rd Brush Holder Plate Assy.
GAL-199	1	Brush Screw Block
GAL-242	1	Brush Holder
GAR-1213	1	3rd Brush Holder Plate Part Assembly
GCX-19	1	Brush Spring
GED-13‡	1	Brush - Third
8X-59	1	#8-32x3/16 Rd. Hd. Sc.
X-1276	1	#8 Skpf. Washer
8X-1505	1	#8-32x9/16 Bdg. Hd. Sc.
8X-59	2	#8-32x3/16 Rd. Hd. Screw
8X-63	2	#8-32x3/8 Flat Hd. Screw
X-195	2	#8 Lock Washer
8X-304	1	#8-32x5/16 Rd. Hd. Screw
X-1276	1	#8 Skpf. Washer
8X-1505	2	#8-32x9/16 Bdg. Hd. Screw
GG-60	1	Spacer
8X-62	3	#10-32x3/8 Flat Hd. Screw
X-1501	1	BALL BEARING - Oil Seal
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GET-2035	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head & Parts Used With

GEE-30	1	Noise Eliminator
GET-36	1	End Head
X-1502	1	BALL BEARING - Oil Seal

Miscellaneous Parts

GET-24	1	Head Band
8X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 10-2-41)

‡ SERVICE BRUSH SET GED-1012S.

NOTE:- CBO-4001 CIRCUIT BREAKER is used with but is not a part of this generator.

UNIT	APPLICATION
GET-4503	Wincharger Corp.

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part 1 2 3 4 5
GBD-20A	2	Frame Screw
(GEB-3036)	1	Frame & Field Assy.
GAA-32	1	Term. Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-66	1	Term. Post Bottom Ins.
GBW-67	1	Term. Post Bottom Ins.
GBY-38	2	Pole Piece Screw
GC-26	1	Insulating Washer
GDD-25	1	Insulating Bushing
GDD-26	1	Insulating Bushing
GEB-29	2	Pole Piece
GEB-2005	1	FIELD COIL ASSY.-Comp.
GEA-30	1	Lead Assembly
X-847	1	Terminal
GEB-27	1	Terminal Post
GEB-58	1	Terminal Post
GEB-1007A	1	Field Coil - Left
GEB-1008A	1	Field Coil - Right
MN-21	2	Dowel Pin
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
5X-349	1	#10 Plain Washer
5X-361	1	1/4 Plain Washer
5X-1377	1	#10-32 Hex. Nut
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	2	#10 Lock Washer
X-203	2	5/16 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Sc.
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

DA-39	2	Flat Oil Guard
DA-132	1	Felt Washer
DH-7	1	Felt Washer
GAR-83	1	Comm. End Cap Cover
GBJ-25	1	End Cap Cover Gasket
GCE-55	1	Air Deflector
GCE-3080	1	Comm. End Plate Assy.
GCE-53	2	Brush Spring
GCE-54	2	Brush Arm
GCE-1012†	2	Brush - Main
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Sc.
8X-62	6	#10-32x3/8 Flat Hd. Screw
X-195	1	#8 Lock Washer
X-295	1	BALL BRG. - S.A.E. #203
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler-Press in Type 1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part 1 2 3 4 5
DG-1144	1	Oil Thrower
GBM-21	1	Armature Shaft Nut
GEH-2054F	1	ARMATURE ASSEMBLY
SP-230	1	Ventilating Fan
X-157	1	1/2-20 Slotted Nut
X-258	1	#3 Woodruff Key
X-263	1	#8 Woodruff Key
X-358	1	1/2 Plain Steel Washer
X-404	1	3/32xl Cotter Pin
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GCE-1109	1	Drive End Head Assy.
GAE-47	1	Bearing Retainer
GCE-109	1	Drive End Head
8X-66	3	#10-32xl/2 Flat Hd. Sc.
X-298	1	BALL BRG. - S.A.E. #204
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

GCE-24C	1	Head Band
X-715	1	#10-32xl 1/4 Rd. Hd. Sc.
8X-794	1	#10-32 Square Nut 1 2 3 4 5

(Issued 2-28-41)

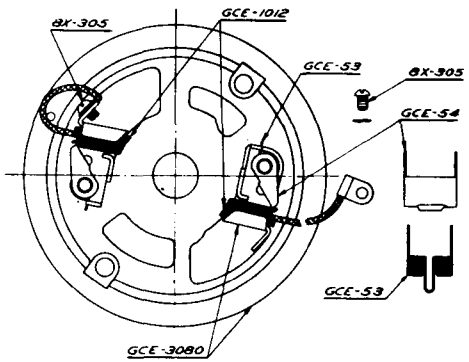
† Service BRUSH SET GCE-2012S.

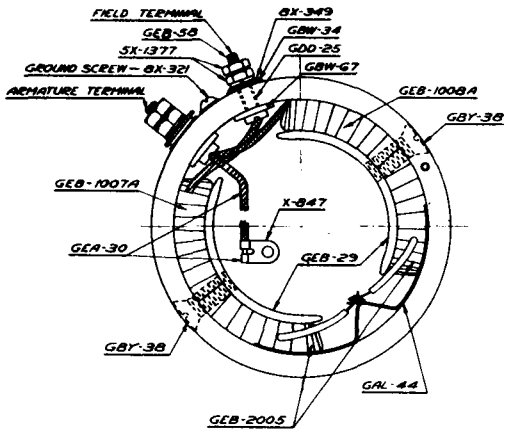
NOTE:- VRP-4004G CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

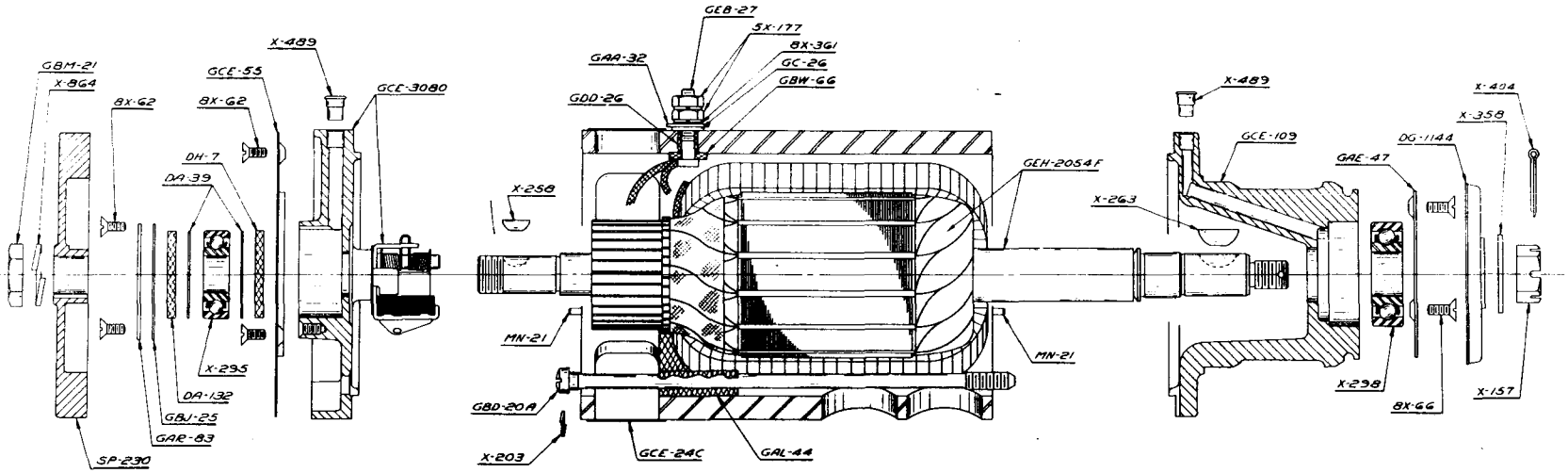
UNIT	APPLICATION
GEW-4801	Autocar

NOTE: Where part numbers are shown in parts lists they are for reference only. By stocking sub parts the complete part can be assembled as needed.

GEW-4801 GENERATOR ILLUSTRATION







GEW-4802 GENERATOR PARTS LIST GEW-4802

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBD-20A	2	Frame Screw
(GEB-2047)	1	Frame & Field Assy.
GAA-32	1	Term. Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-66	1	Term. Post Bottom Ins.
GBW-67	1	Term. Post Bottom Ins.
GBY-38	2	Pole Piece Screw
GC-26	1	Insulating Washer
GDD-25	1	Insulating Bushing
GDD-26	1	Insulating Bushing
GEB-29	2	Pole Piece
GEB-44	1	Lead Assembly
GEB-45	1	Terminal Post
X-847	1	Terminal
GEB-1005A	1	FIELD COIL ASSY.-Comp.
GEB-58	1	Terminal Post
GEB-1007A	1	Field Coil - Left
GEB-1008B	1	Field Coil Assy.- Right
X-959	1	Terminal
MN-21	2	Dowel Pin
8X-140	1	#6-32 Hex. Nut
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-194	1	#6 Lock Washer
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
8X-1420	1	#6-32x9/16 Flat Hd. Screw
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	2	#10 Lock Washer
X-203	2	5/16 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Sc.
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

DA-39	2	Flat Oil Guard
DA-132	1	Felt Washer
DH-7	1	Felt Washer
GAR-83	1	Comm. End Cap Cover
GBJ-25	1	End Cap Cover Gasket
GCE-55	1	Air Deflector
GCE-2050	1	Comm. End Plate Assy.
GCE-53	2	Brush Spring
GCE-54	2	Brush Arm
GCE-1012†	2	Brush - Main
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Sc.
8X-62	6	#10-32x3/8 Flat Hd. Screw
X-195	1	#8 Lock Washer
X-295	1	BALL BRG. - S.A.E. #203
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler-Press in Type
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DG-1144	1	Oil Thrower
GEM-21	1	Armature Shaft Nut
GEH-2054F	1	ARMATURE ASSEMBLY
SP-230	1	Ventilating Fan
X-157	1	1/2-20 Slotted Nut
X-258	1	#3 Woodruff Key
X-263	1	#8 Woodruff Key
X-358	1	1/2 Plain Steel Washer
X-404	1	3/32x1 Cotter Pin
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GCE-1057	1	Drive End Head Assy.
GAE-47	1	Bearing Retainer
GCE-57	1	Drive End Head
8X-66	3	#10-32x1/2 Flat Hd. Sc.
X-298	1	BALL BRG. - S.A.E. #204
X-489	1	1/4 Oiler-Press in Type

Miscellaneous Parts

GCE-24C	1	Head Band
X-715	1	#10-32x1 1/4 Rd. Hd. Sc.
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 2-28-41)

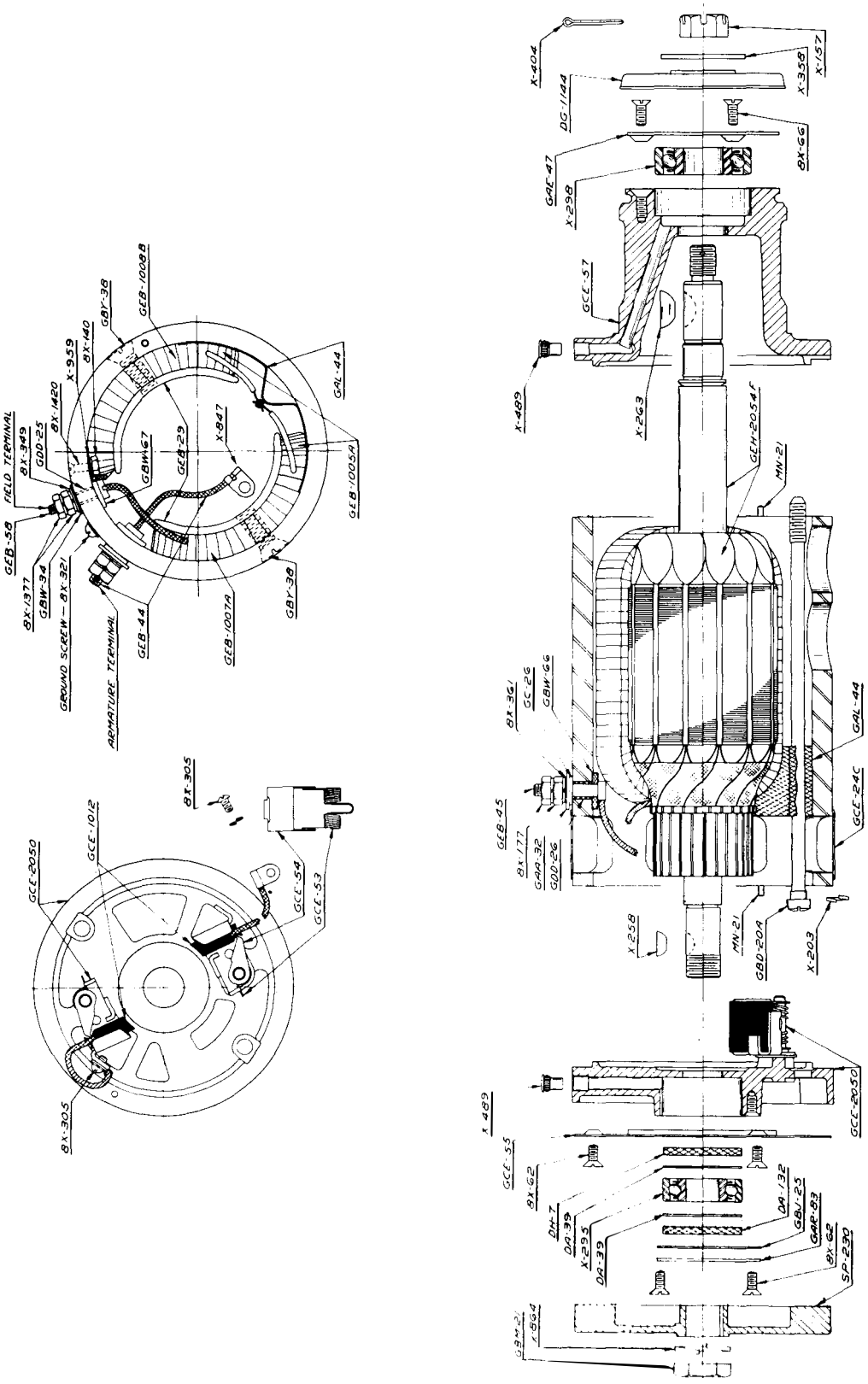
† Service BRUSH SET GCE-2012S.

NOTE:- VRY-4201A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GEW-4802	Diamond T

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GEW-4802 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DK-23	2	Bolt, Thru
(GEB-2071A)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GBW-34	1	Washer, Ins., Field Term., Outer
GBW-66	1	Insulation, Arm. Term., Inner
GBW-67	1	Insulation, Field Term., Inner
GBY-38A	2	Screw, Pole Shoe
GC-26	1	Washer, Ins., Arm. Term., Outer
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Field Term.
GEB-44	1	Lead Assembly
GEB-27	1	Stud, Arm. Term., #14-24
X-975	1	Terminal
GEB-1005A	1	Coil Assy., Field, Comp.
GEB-58	1	Stud, Field Term., #10-32
GEB-1007A	1	Coil, Field, Left
GEB-1008B	1	Coil Assy., Field, Right
X-959	1	Terminal
MAK-49	1	Washer, Ins., Arm. Term., Outer
MN-21	2	Pin, Dowel, End Hd. Locating
8X-140	1	Nut, Field Ground, #6-32
8X-177	2	Nut, Arm. Term., #14-24
12X-193	2	Lock Washer, Arm. Term., #14
12X-194	1	Lock Washer, Field Ground, #6
12X-196	2	Lock Washer, Field Term., #10
8X-349	1	Washer, Plain, Field Term., #10
8X-361	1	Washer, Plain, Arm. Term., 1/4
8X-1377	2	Nut, Field Term., #10-32
8X-1420	1	Screw, Field Ground, Flat Hd., #6-32x9/16
12X-196	1	Lock Washer, Ground Sc., #10
8X-321	1	Screw, Ground, Rd. Hd., #10-32x5/16
12X-1014	2	Lock Washer, Thru Bolt, 5/16

Comm. End Head Assembly & Parts Used With

DA-22	1	Washer, Bearing Retaining
DA-39	1	Washer, Plain, Felt Retaining
DA-60	1	Screw, Bearing Retaining
DH-7	1	Washer, Felt, C.E., Inner
GBJ-25	1	Gasket, C.E. Cover
GBJ-32A	1	Cover, Comm. End
GCE-2002	1	Head Assy., Comm. End
GCE-53	2	Spring, Brush
GCE-54	2	Arm, Brush
GCE-1012†	2	Brush
X-195	2	Lock Washer, Brush Lead, #8
12X-196	3	Lock Washer, Cover Screw, #10
X-199	1	Lock Washer, Brg. Retaining Screw, 1/4
		1 2 3 4 5

Comm. End Head Assembly (Con't.)

Part No.	No. Used	Name of Part
		1 2 3 4 5
X-295	1	Bearing, Ball, SAE #203
8X-305	2	Screw, Brush Lead, Rd. Hd., #8-32x1/4
X-489	1	Oiler, Hinge Top, Press in, 1/4
8X-870	3	Screw, Cover Holding, Fil. Hd., #10-32x5/16

Armature Assembly & Parts Used With

GBM-21	1	Nut, Armature Shaft
GEH-2006F	1	Armature
*	1	Pulley, Drive
X-261	1	Key, Woodruff, #6
X-864	1	Lock Washer, Arm. Shaft

Drive End Head Assembly & Parts Used With

GEW-1003	1	Head Assy., Drive End
GAU-31	1	Washer, Felt, Inner
GEW-3	1	Head
GG-6	1	Retainer, Bearing
GK-176	1	Retainer, Felt, Inner
GT-76	1	Retainer, Felt, Outer
GT-78	1	Washer, Felt, Outer
X-196	3	Lock Washer, Brg. Ret'g, #10
X-295	1	Bearing, Ball, SAE #203
8X-311	3	Screw, Brg. Retaining, Rd. Hd., #10-32x3/8
X-489	1	Oiler, Press in Type, 1/4

Miscellaneous Parts

GCE-24	1	Band, Cover
8X-715	1	Screw, Cover Band, Rd. Hd., #10-32x1 1/4
8X-794	1	Nut, Cover Band, Square, #10-32
		1 2 3 4 5

(Issued 5-11-45)

Assembly No.	Pulley
GEW-4803	None
GEW-4803A	SP-431

† Brush Set, Service GCE-2012S.

* See table following parts list for part number applying to assembly wanted.

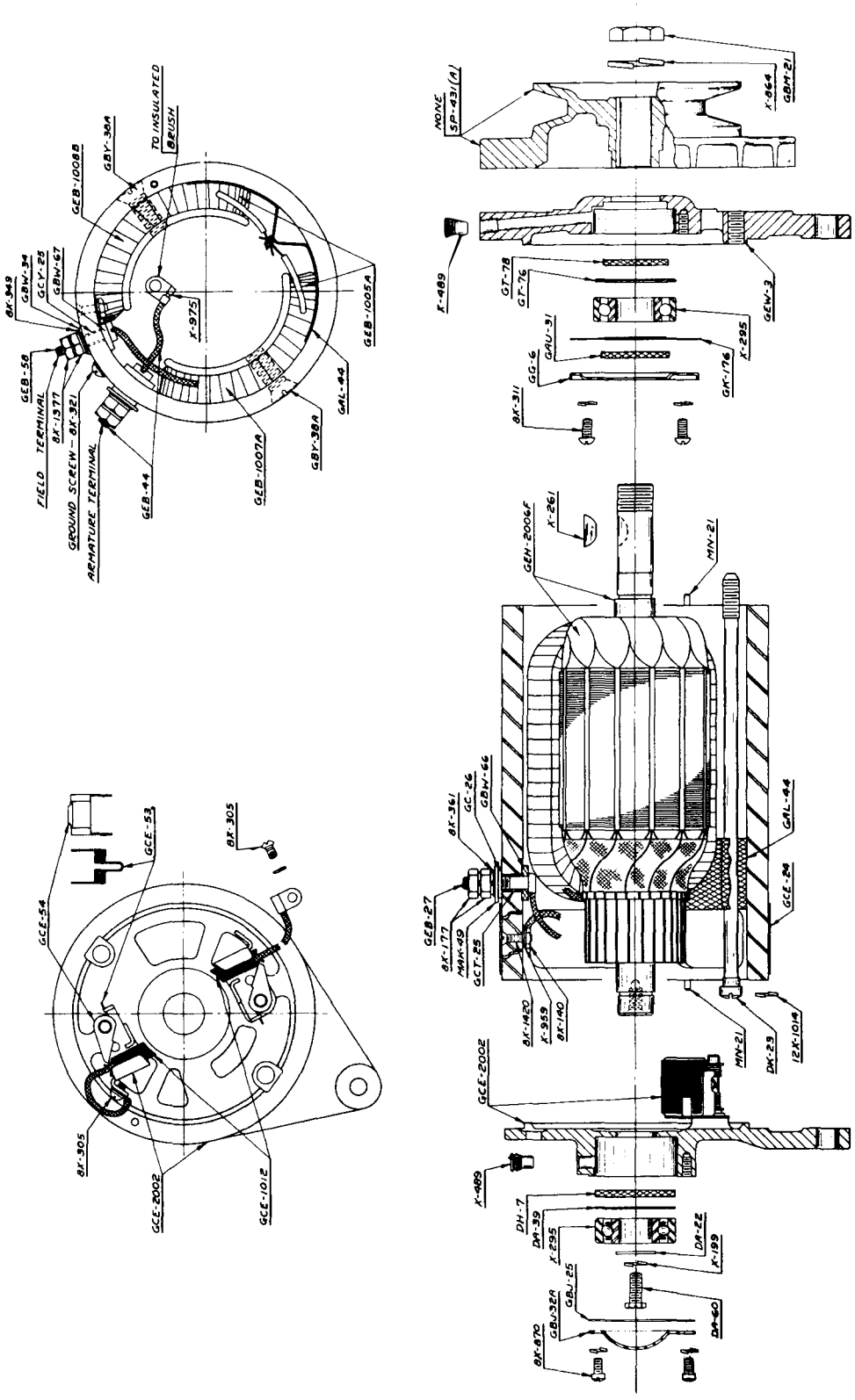
NOTE:- VRY-4202A Current-Voltage Regulator is used with but is not a part of this generator.

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File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GEW-4803,A GENERATOR ILLUSTRATION



GEW-4804 GENERATOR PARTS LIST GEW-4804

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DK-23A	2	Frame Screw
(GEB-2031)	1	Frame & Field Assy.
GAA-32	1	Term. Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-66	1	Term. Post Bottom Ins.
GBW-67	1	Term. Post Bottom Ins.
GBY-38	2	Pole Piece Screw
GC-26	1	Insulating Washer
GDD-25	1	Insulating Bushing
GDD-26	1	Insulating Bushing
GEB-29	2	Pole Piece
GEB-1005	1	FIELD COIL ASSY.-Comp.
GEA-30	1	Lead Assembly
X-847	1	Terminal
GEB-27	1	Terminal Post
GEB-58	1	Terminal Post
GEB-1007	1	Field Coil - Left
GEB-1008	1	Field Coil - Right
MN-21	2	Dowel Pin
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
5X-1377	1	#10-32 Hex. Nut
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	2	#10 Lock Washer
X-203	2	5/16 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Sc.
5X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

DA-39	2	Flat Oil Guard
DA-132	1	Felt Washer
DH-7	1	Felt Washer
GAR-83	1	Comm. End Cap Cover
GBJ-25	1	End Cap Cover Gasket
GCE-55	1	Air Deflector
GCE-2050	1	Comm. End Plate Assy.
GCE-53	2	Brush Spring
GCE-54	2	Brush Arm
GCE-1012†	2	Brush - Main
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Sc.
8X-62	6	#10-32x3/8 Flat Hd. Screw
X-195	1	#8 Lock Washer
X-295	1	BALL BRG. - S.A.E. #203
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler-Press in Type
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAR-1177	1	Oil Thrower Assy.
GBM-21	1	Armature Shaft Nut
GEH-2090F	1	ARMATURE ASSEMBLY
GK-174	1	1/2 Plain Washer
SP-230	1	Ventilating Fan
X-156	1	1/2-20 Castellated Nut
X-258	1	#3 Woodruff Key
X-263	1	#8 Woodruff Key
X-404	1	3/32x1 Cotter Pin
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GCE-1091	1	Drive End Head Assy.
GAR-95	1	Felt Washer
GCE-91	1	Drive End Head
GX-9	1	D.E. Packing Retainer
GY-10	1	Gasket
X-196	3	#10 Lock Washer
8X-311	3	#10-32x3/8 Rd. Hd. Sc.
X-378	1	BALL BRG. - S.A.E. #204
		Oil Seal

Miscellaneous Parts

GCE-24C	1	Head Band
X-715	1	#10-32x1 1/4 Rd. Hd. Sc.
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 2-28-41)

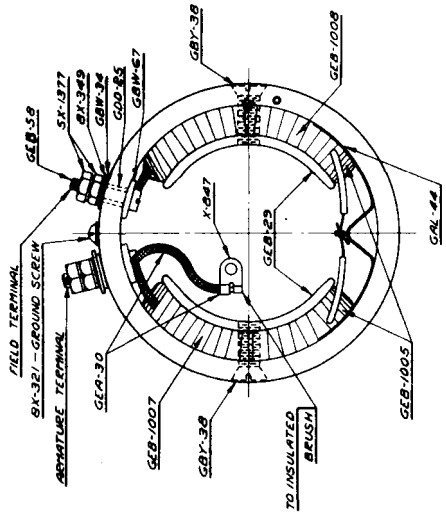
† Service BRUSH SET GCE-2012S.

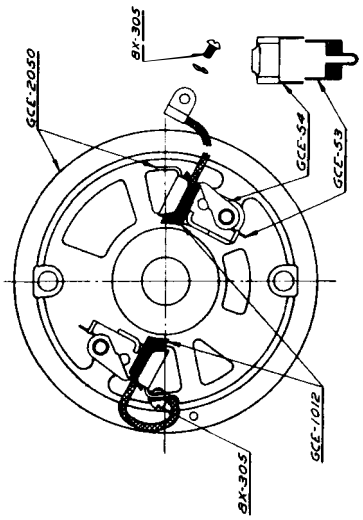
NOTE:- VRP-4004G CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

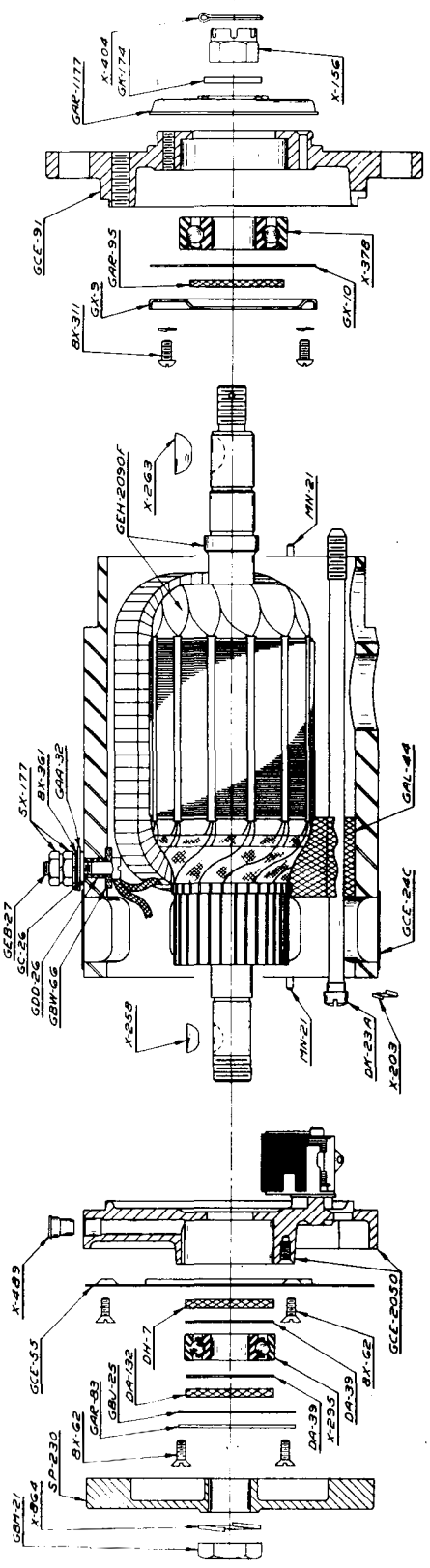
UNIT	APPLICATION
GEW-4804	Autocar

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GEW-4804 GENERATOR ILLUSTRATION







Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBD-20A	2	Frame Screw
(GEB-3051)	1	Frame & Field Assy.
GAA-32	1	Term. Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-66	1	Term. Post Bottom Ins.
GBW-67	1	Term. Post Bottom Ins.
GBY-38	2	Pole Piece Screw
GC-26	1	Insulating Washer
GDD-25	1	Insulating Bushing
GDD-26	1	Insulating Bushing
GEB-29	2	Pole Piece
GEB-44	1	Lead Assembly
GEB-45	1	Terminal Post
X-847	1	Terminal
GEB-2005A	1	FIELD COIL ASSY.-Comp.
GEB-58	1	Terminal Post
GEB-1007B	1	Field Coil Assy.-Left
X-959	1	Terminal
GEB-1008	1	Field Coil - Right
MN-21	2	Dowel Pin
8X-140	1	#6-32 Hex. Nut
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-194	1	#6 Lock Washer
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
8X-1420	1	#6-32x9/16 Flat Hd. Sc.
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	2	#10 Lock Washer
X-203	2	5/16 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

DA-39	2	Flat Oil Guard
DA-132	1	Felt Washer
DH-7	1	Felt Washer
GAR-83	1	Comm. End Cap Cover
GBJ-25	1	End Cap Cover Gasket
GCE-55	1	Air Deflector
GCE-3080	1	Comm. End Plate Assy.
GCE-53	2	Brush Spring
GCE-54	2	Brush Arm
GCE-1012†	2	Brush - Main
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Sc.
8X-62	6	#10-32x3/8 Flat Hd. Screw
X-195	1	#8 Lock Washer
X-295	1	BALL BRG. - S.A.E. #203
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler-Press in Type
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DG-1144	1	Oil Thrower
GEM-21	1	Armature Shaft Nut
GEH-2054F	1	ARMATURE ASSEMBLY
SP-230	1	Ventilating Fan
X-157	1	1/2-20 Slotted Nut
X-258	1	#3 Woodruff Key
X-263	1	#8 Woodruff Key
X-358	1	1/2 Plain Steel Washer
X-404	1	3/32x1 Cotter Pin
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GCE-1109	1	Drive End Head Assy.
GAE-47	1	Bearing Retainer
GCE-109	1	Drive End Head
8X-66	3	#10-32x1/2 Flat Hd. Sc.
X-298	1	BALL BRG. - S.A.E. #204
X-489	1	1/4 Oiler-Press in Type

Miscellaneous Parts

GCE-24C	1	Head Band
X-715	1	#10-32x1 1/4 Rd. Hd. Sc.
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 2-28-41)

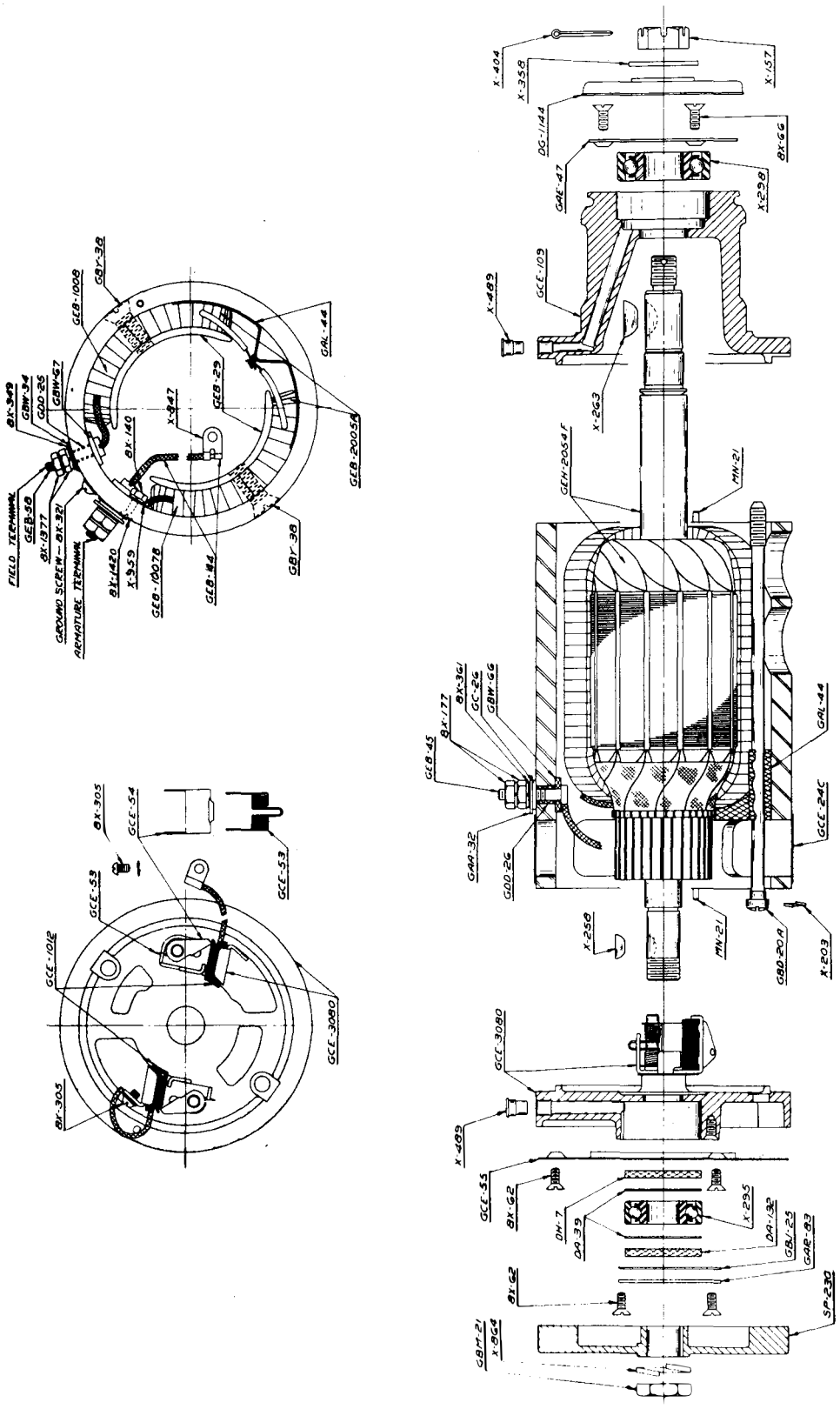
† Service BRUSH SET GCE-2012S.

NOTE:- VRY-4201A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GEW-4805	Autocar

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GEW-4805 GENERATOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

PRELIMINARY

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
	1 2 3 4 5	
DK-23	2	Frame Screw
(GEB-2071A)	1	Frame & Field Assembly
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-66	1	Terminal Post Bottom Ins.
GBW-67	1	Terminal Post Bottom Ins.
GBY-38A	2	Pole Piece Screw
GC-26	1	Insulating Washer
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
GEB-29	2	Pole Piece
GEB-44	1	Lead Assembly
GEB-45	1	Terminal Post
X-847	1	Terminal
GEB-1005A	1	FIELD COIL ASSY.- Comp.
GEB-58	1	Terminal Post
GEB-1007A	1	Field Coil - Left
GEB-1008B	1	Field Coil Assy.-Right
X-959	1	Terminal
MN-21	2	Dowel Pin
8X-140	1	#6-32 Hex. Nut
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-194	1	#6 Lock Washer
12X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1377	1	#10-32 Hex. Nut
8X-1420	1	#6-32x9/16 Flat Hd. Sc.
8X-177	1	#14-24 Hex. Nut
12X-193	1	#14 Lock Washer
12X-196	2	#10 Lock Washer
12X-203	2	5/16 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
8X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

DA-22	1	Bearing Retaining Washer
DA-39	1	Flat Oil Guard
DA-60	1	Bearing Retaining Screw
DH-7	1	Felt Washer
GBJ-25	1	End Cap Cover Gasket
GBJ-32A	1	Comm. End Cap Cover
GCE-2118	1	Comm. End Plate Assembly
GCE-53	2	Brush Spring
GCE-54	2	Brush Arm
GCE-1012‡	2	Brush - Main
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-195	1	#8 Lock Washer
X-199	1	1/4 Lock Washer
X-295	1	BALL BEARING - S.A.E. #203
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
12X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Sc.
	1 2 3 4 5	

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
	1 2 3 4 5	
GEH-2120F	1	ARMATURE ASSEMBLY
GEW-31	1	1/2 Plain Washer
*	1	Drive Pulley
X-156	1	1/2-20 Castellated Nut
X-260	1	#5 Woodruff Key
X-404	1	3/32x1 Cotter Pin

Drive End Head Assembly & Parts Used With

GCE-1119	1	Drive End Head Assembly
GAU-31	1	Felt Washer
GCE-119	1	Drive End Head
GG-6	1	Bearing Retainer
GK-176	1	Felt Washer Retainer
GT-76	1	Felt Washer Retainer
GT-78	1	Felt Washer
X-196	3	#10 Lock Washer
X-295	1	BALL BRG.- S.A.E. #203
8X-311	3	#10-32x3/8 Rd. Hd. Sc.
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

GCE-24	1	Head Band
8X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
	1 2 3 4 5	

(Issued 10-2-41)

Assembly No.	Drive Pulley
GEW-4806	None
GEW-4806A	SP-444
GEW-4806B	SP-470
GEW-4806C	SP-467

‡ SERVICE BRUSH SET GCE-2012S.

* See table following parts list for part number applying to assembly wanted.

NOTE:- VRY-4201A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GEW-4806	Dodge Truck
GEW-4806A	Studebaker Truck
GEW-4806B,C	Dodge Truck

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the comp ete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GEZ-4801 GENERATOR PARTS LIST GEZ-4801

PRELIMINARY

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBD-20A	2	Frame Screw
(GEH-3036)	1	Frame & Field Assy.
GAA-32	1	Term. Post Top Ins.
GAL-44	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-66	1	Term. Post Bottom Ins.
GBW-67	1	Term. Post Bottom Ins.
GBY-38	2	Pole Piece Screw
GC-26	1	Insulating Washer
GCT-25	1	Insulating Bushing
GCY-25	1	Insulating Bushing
GEB-29	2	Pole Piece
GEH-2005	1	FIELD COIL ASSY.-Comp.
GEA-30	1	Lead Assembly
X-847	1	Terminal
GEB-27	1	Terminal Post
GEB-58	1	Terminal Post
GEH-1007	1	Field Coil - Left
GEH-1008	1	Field Coil - Right
MN-21	2	Dowel Pin
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
5X-1377	1	#10-32 Hex. Nut
5X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	2	#10 Lock Washer
X-203	2	5/16 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Sc.
5X-1377	1	#10-32 Hex. Nut

Comm. End Head Assembly & Parts Used With

DA-39	2	Flat Oil Guard
DA-132	1	Felt Washer
DH-7	1	Felt Washer
GAR-83	1	Comm. End Cap Cover
GBJ-25	1	End Cap Cover Gasket
GCE-55	1	Air Deflector
GCE-3080	1	Comm. End Head Assy.
GCE-53	2	Brush Spring
GCE-54	2	Brush Arm
GCE-1012†	2	Brush - Main
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Sc.
8X-62	6	#10-32x3/8 Flat Hd. Sc.
X-195	1	#8 Lock Washer
X-295	1	BALL BRG. - S.A.E. #203
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler-Press in Type
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAR-1177	1	Oil Thrower Assy.
GBM-21	1	Armature Shaft Nut
GEZ-2087F	1	ARMATURE ASSEMBLY
SP-230	1	Ventilating Fan
X-157	1	1/2-20 Slotted Nut
X-258	1	#3 Woodruff Key
X-263	1	#8 Woodruff Key
X-358	1	1/2 Plain Steel Washer
X-404	1	3/32x1 Cotter Pin
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GCE-1076	1	Drive End Head Assy.
GCE-76	1	Drive End Head
GX-9	1	Bearing Retainer
GX-10	1	Gasket
X-196	3	#10 Lock Washer
8X-311	3	#10-32x3/8 Rd. Hd. Screw
X-378	1	BALL BEARING - Oil Seal

Miscellaneous Parts

GCE-24C	1	Head Band
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 12-3-41)

† Service BRUSH SET GCE-2012S.

NOTE:- VRS-4004C CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GEZ-4801	Climax

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GEO-2045)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GAR-211	1	Bushing, Insulating
GDS-29	2	Pole Piece
GDS-1005C	1	COIL ASSY., FIELD, Comp.
GDS-1007A	1	Coil Assy., Field, Left
GAL-298	1	Lead Assy., C.B.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GDS-1008C	1	Coil Assy., Field, Right
X-767	1	Terminal
GK-38	2	Screw, Pole Piece
MN-21	2	Pin, Dowel
GT-20	2	Screw, Frame
X-199	2	Washer, Lock, Frame Screw, 1/4

Comm. End Head Assembly & Parts Used With

(GCJ-2086)	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBW-69	1	Gasket, Comm. End Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Retaining
GBW-1068	1	Cover, Comm. End
GCJ-51	1	Spring, Retaining, 3rd. Brush Plate
GCJ-1014	1	Plate Assy., 3rd. Brush
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1086A	1	Head Assy., Partial, Comm. End
GBF-79	1	BEARING, ABSORBENT BRONZE
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1023R	1	Holder Assy., Brush Grounded
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
X-195	2	Washer, Lock, #8
8X-304	2	Screw, Rd. Hd., #8-32x 5/16
GDF-1012†	2	Brush, Main
GDF-1013†	1	Brush, Third
X-195	5	Washer, Lock, #8
8X-311	1	Screw, Rd. Hd., #10-32x3/8
8X-888	4	Screw, Fill. Hd., #8-32x 5/16
8X-1507	1	Screw, Binding Hd., #8-32x 1/4
X-195	2	Washer, Lock, Brush Lead, #8
8X-1507	2	Screw, Brush Lead, Bdg. hd., #8-32x1/4
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAR-1177	1	Oil Thrower
GEJ-2091F	1	ARMATURE
X-156	1	Nut, Armature Shaft
X-263	1	Key, Woodruff, #8
X-358	1	Washer, Plain, Arm. Shaft, 1/2
X-404	1	Pin, Cotter, 3/32xl

Drive End Head Assembly & Parts Used With

GAR-1096	1	Head Assy., Drive End
GAR-95	1	Washer, Felt
GAR-96	1	Head
GX-9	1	Retainer, Bearing
GX-10	1	Gasket
X-196	3	Washer, Lock, #10
8X-311	3	Screw, Rd. Hd., #10-32x3/8
X-378	1	BEARING, BALL, SHIELDED, S.A.E. #204

Miscellaneous Parts

*	1	Band, Head
TC-4323B	1	REGULATOR, TWO CHARGE
X-196	4	Washer, Lock, Regulator Mtg., #10
8X-321	4	Screw, Mtg., Regulator Rd. Hd., #10-32x5/16
X-715	1	Screw, Head Band, Rd. Hd., #10-32x1 1/4
8X-794	1	Nut, Head Band, Square, #10-32
		1 2 3 4 5

(Issued 10-4-43)

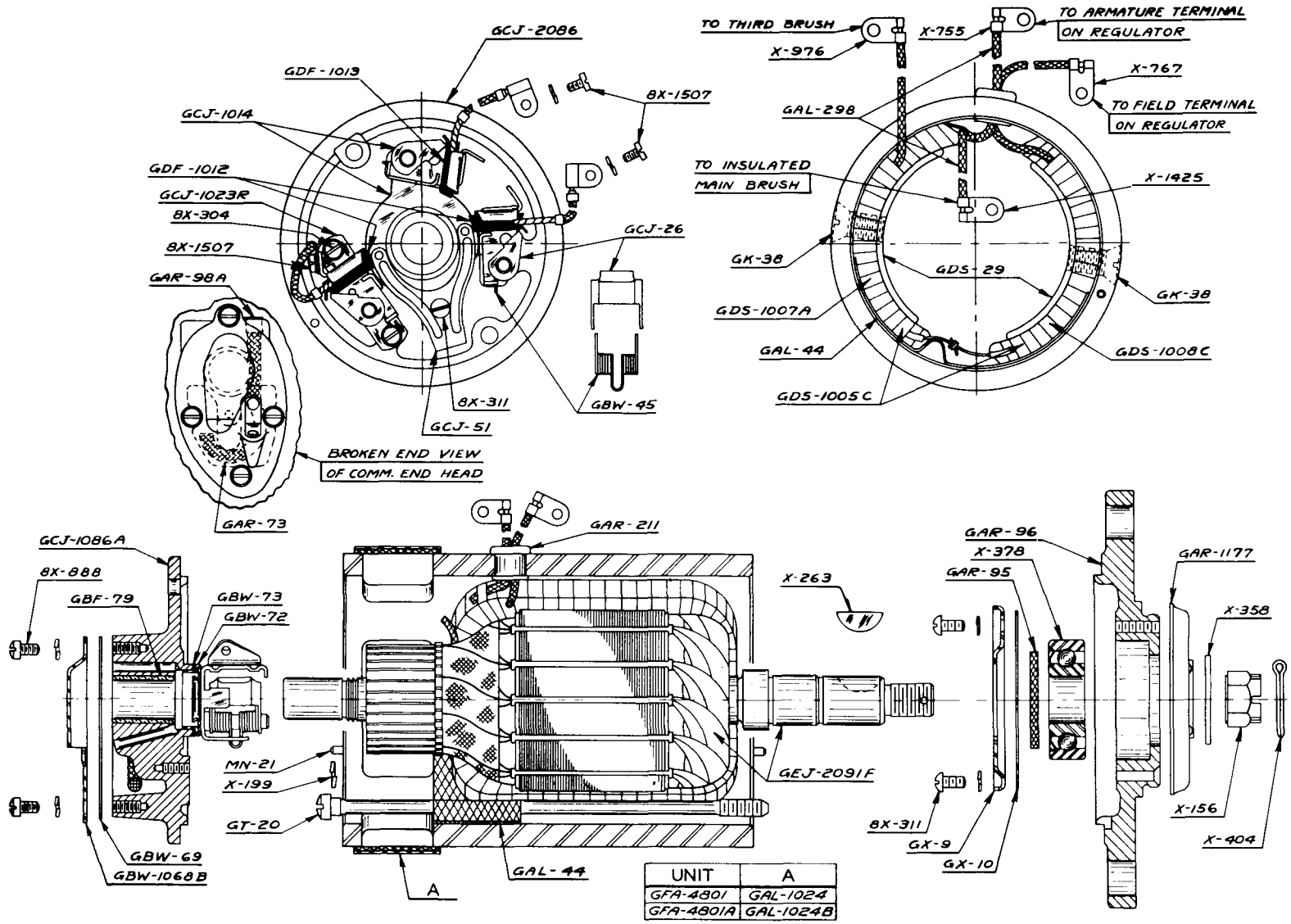
Assembly No.	Head Band
GFA-4801	GAL-1024
GFA-4801A	GAL-1024B

† BRUSH SET, SERVICE, GDF-2012S.

* See table following parts list for part number applying to assembly wanted.

UNIT	APPLICATION
GFA-4801,A	Hercules

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."


GCJ-2086
GDF-1013
8X-1507
GCJ-1014
GDF-1012
GCJ-1023R
8X-304
8X-1507
GCJ-26
GAR-98A
8X-311
GCJ-51
GBW-45
BROKEN END VIEW
OF COMM. END HEAD
GAR-73
TO THIRD BRUSH
X-976
X-755
TO ARMATURE TERMINAL
ON REGULATOR
X-767
TO FIELD TERMINAL
ON REGULATOR
GAL-298
TO INSULATED
MAIN BRUSH
X-1425
GK-38
GDS-29
GK-38
GDS-1007A
GAL-44
GDS-1008C
GDS-1005C
GCJ-1086A
8X-888
GBF-79
GBW-73
GBW-72
GAR-211
X-263
GAR-96
X-378
GAR-95
GAR-1177
X-358
MN-21
X-199
GT-20
GBW-69
GBW-1068B
GAL-44
A
GEJ-2091F
8X-311
GX-9
GX-10
X-156
X-404
UNIT
A
GFA-4801
GAL-1024
GFA-4801A
GAL-1024B

GFA-4802 GENERATOR PARTS LIST

GFA-4802

PRELIMINARY

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part 1 2 3 4 5
(GEO-3046)	1	Frame & Field Assembly
GAL-44	1	Field Connection Ins.
GAR-211	1	Insulating Bushing
GDS-29	2	Pole Piece
GDS-2005	1	FIELD COIL ASSY.- Comp.
GDS-2007	1	Field Coil Assy.-Left
X-976	1	Terminal
GDS-2008	1	Field Coil Assy.-Right
GAL-289	1	C. B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-959	1	Terminal
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-140	1	#6-32 Hex. Nut
X-194	1	#6 Lock Washer
8X-1008	1	#6-32x9/16 Rd. Hd. Sc.
GK-20	2	Frame Screw
X-199	2	1/4 Lock Washer

Comm. End Plate Assembly & Parts Used With

DA-39	2	Flat Oil Guard
DA-70	1	Armature Shaft Nut
DJ-10	1	End Cap Cover Gasket
GAG-53	1	Comm. End Cap Cover
(GCJ-3075)	1	Comm. End Plate Assembly
GCJ-51	1	3rd Brush Plate Retaining Spring
GCJ-1014L	1	3rd Brush Plate Assembly
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
GCJ-1075	1	C. E. Plate Part Assy.
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
GCJ-1023L	1	Grounded Brush Holder Assembly
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
X-195	2	#8 Lock Washer
8X-304	2	#8-32x5/16 Rd. Hd. Sc.
GDF-1012†	2	Brush - Main
GDF-1013†	1	Brush - Third
X-195	1	#8 Lock Washer
8X-311	1	#10-32x3/8 Rd. Hd. Sc.
8X-1507	1	#8-32x1/4 Bdg. Hd. Sc.
GR-32	1	Felt Washer Retainer
GR-35	2	Felt Washer
X-195	2	#8 Lock Washer
X-295	1	BALL BEARING - S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Sc.
8X-1507	2	#8-32x1/4 Bdg. Hd. Screw 1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part 1 2 3 4 5
GEJ-2090F	1	ARMATURE ASSEMBLY
GAR-171	2	Snap Ring
GJ-104	1	Armature Shaft Spacer
GJ-179	1	7/16 Plain Washer
X-160	1	7/16-20 Hex. Nut
X-205	1	7/16 Lock Washer
X-261	2	#6 Woodruff Key

Drive End Head Assembly & Parts Used With

GCZ-1003A	1	Drive End Head Assembly
GCZ-3A	1	Drive End Head
GG-6	2	Bearing Retainer
GG-164	1	Felt Washer
GK-176	1	Felt Washer Retainer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	BALL BRG.- S.A.E. #203
8X-316	3	#10-32x3/4 Rd. Hd. Sc.
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

CB-4014	1	CIRCUIT BREAKER ASSEMBLY
CB-123	1	Armature Spring
CB-160S	1	C. B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Screw
GBW-1024A	1	Head Band Assembly
X-196	2	#10 Lock Washer
8X-321	2	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut 1 2 3 4 5

(Issued 7-1-41)

† SERVICE BRUSH SET GDF-2012S.

UNIT	APPLICATION
GFA-4802	Gray Marine

"NOTE: Where part num ers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GEO-2035)	1	Frame & Field Assembly
GAL-44	1	Field Connection Ins.
GAR-211	1	Insulating Bushing
GDS-29	2	Pole Piece
GDS-1005B	1	FIELD COIL ASSY.- Comp.
GDS-1007A	1	Field Coil Assy.-Left
GAL-298	1	C. B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GDS-1008B	1	Field Coil Assy.-Right
X-959	1	Terminal
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-140	1	#6-32 Hex. Nut
X-194	1	#6 Lock Washer
8X-1008	1	#6-32x9/16 Rd. Hd. Screw
GK-20	2	Frame Screw
X-199	2	1/4 Lock Washer

Comm. End Plate Assembly & Parts Used With

DA-39	2	Flat Oil Guard
DA-70	1	Armature Shaft Nut
DJ-10	1	End Cap Cover Gasket
GAG-53	1	Comm. End Cap Cover
(GCJ-2076)	1	Comm. End Plate Assembly
GCJ-51	1	3rd Brush Plate Retaining Spring
GCJ-1014	1	3rd Brush Plate Assembly
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
GCJ-1076	1	C. E. Plate Part Assy.
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
GCJ-1023R	1	Grounded Brush Holder Assembly
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
X-195	2	#8 Lock Washer
8X-304	2	#8-32x5/16 Rd. Hd. Sc.
GDF-1012‡	2	Brush - Main
GDF-1013‡	1	Brush - Third
X-195	1	#8 Lock Washer
8X-311	1	#10-32x3/8 Rd. Hd. Screw
8X-1507	1	#8-32x1/4 Bdg. Hd. Screw
GR-32	1	Felt Washer Retainer
GR-35	2	Felt Washer
X-195	2	#8 Lock Washer
X-295	1	BALL BEARING - S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Screw
8X-1507	2	#8-32x1/4 Bdg. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GEJ-2090F	1	ARMATURE ASSEMBLY
GAR-171	2	Snap Ring
GJ-104	1	Armature Shaft Spacer
GJ-179	1	7/16 Plain Washer
X-160	1	7/16-20 Hex. Nut
X-205	1	7/16 Lock Washer
X-261	2	#6 Woodruff Key

Drive End Head Assembly & Parts Used With

GAL-1063B	1	Drive End Head Assembly
GAL-63A	1	Drive End Head
GG-6	2	Bearing Retainer
GG-164	1	Felt Washer
GK-176	1	Felt Washer Retainer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	BALL BRG.- S.A.E. #203
8X-316	3	#10-32x3/4 Rd. Hd. Sc.
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

CB-4014	1	CIRCUIT BREAKER ASSEMBLY
CB-123	1	Armature Spring
CB-160S	1	C. B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Screw
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Screw
GBW-1024A	1	Head Band Assembly
X-196	2	#10 Lock Washer
8X-321	2	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 10-2-41)

‡ SERVICE BRUSH SET GDF-2012S.

UNIT	APPLICATION
GFA-4803	Gray Marine

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCJ-33	1	Grounding Cup
(GEO-2047)	1	Frame & Field Assembly
GAL-44	1	Field Connection Ins.
GAR-211	1	Insulating Bushing
GBW-34	1	Insulating Washer
GBW-67	1	Terminal Post Bottom Ins.
GCY-25	1	Insulating Bushing
GDS-29	2	Pole Piece
GDS-1005F	1	FIELD COIL ASSY.- Comp.
GBW-58	1	Terminal Post
GDS-1007A	1	Field Coil Assy.-Left
GAL-298	1	C. B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GDS-1008G	1	Field Coil - Right
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
5X-1377	1	#10-32 Hex. Nut
GK-20	2	Frame Screw
X-196	1	#10 Lock Washer
X-199	2	1/4 Lock Washer
5X-1377	1	#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

DA-39	3	Flat Oil Guard
DA-70	1	Armature Shaft Nut
DA-132	1	Felt Washer
(GCJ-2076)	1	Comm. End Plate Assembly
GCJ-51	1	3rd Brush Plate Retaining Spring
GCJ-1014	1	3rd Brush Plate Assembly
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
GCJ-1076	1	C. E. Plate Part Assy.
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
GCJ-1023R	1	Grounded Brush Holder Assembly
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
X-195	2	#8 Lock Washer
8X-304	2	#8-32x5/16 Rd. Hd. Sc.
GDF-1012†	2	Brush - Main
GDF-1013†	1	Brush - Third
X-195	1	#8 Lock Washer
8X-311	1	#10-32x3/8 Rd. Hd. Sc.
8X-1507	1	#8-32x1/4 Bdg. Hd. Sc.
GR-32	1	Felt Washer Retainer
GR-35	1	Felt Washer
X-195	2	#8 Lock Washer
X-295	1	BALL BEARING - S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
8X-1507	2	#8-32x1/4 Bdg. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAG-1166	1	Oil Thrower
GEJ-2104F	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
X-257	1	#2 Woodruff Key
X-261	1	#6 Woodruff Key

Drive End Head Assembly & Parts Used With

GFA-1003	1	Drive End Head Assembly
GAR-95	1	Felt Washer
GFA-3	1	Drive End Head
GX-9	1	D. E. Packing Retainer
GX-10	1	Gasket
X-196	3	#10 Lock Washer
8X-311	3	#10-32x3/8 Rd. Hd. Screw
X-378	1	BALL BRG.- S.A.E. #204
		Oil Seal

Dist. Mtg. Housing & Parts Used With

GAG-58	1	Dist. Mounting Housing Clamp
GAG-101	1	Dist. Mounting Housing
GE-25	1	Dist. Gear - Driver
GG-133	1	Distributor Drive Rivet
8X-53	1	#8-32x5/8 Rd. Hd. Screw
8X-119	3	#10-32x1/2 Fill. Hd. Sc.
8X-141	1	#8-32 Hex. Nut
X-380	1	1/8 Grease Cup
X-489	1	1/4 Oiler - Press in Type
X-544	3	#10 Lock Washer

Miscellaneous Parts

CB-4021	1	CIRCUIT BREAKER ASSEMBLY
CB-123	1	Armature Spring
CB-160S	1	C. B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	3	#10 Lock Washer
8X-312	2	#10-32x1/4 Rd. Hd. Screw
GBW-1024A	1	Head Band Assembly
X-196	2	#10 Lock Washer
8X-321	2	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 7-1-41)

† SERVICE BRUSH SET GDF-2012S.

UNIT	APPLICATION
GFA-4804	Universal

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GEO-2050)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GAR-211	1	Bushing, Insulating
GEO-1005	1	COIL ASSY., FIELD, COMP.
GEO-1007	1	Coil Assy., Field, Left
GAL-298	1	Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GEO-1008	1	Coil Assy., Field, Right
X-767	1	Terminal
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel, Head Locating
GK-20A	2	Bolt, Thru
12X-199	2	Washer, Lock, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

GCJ-2087	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBW-69	1	Gasket, C.E. Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GBW-1068	1	Cover, Comm. End
GCJ-51	1	Spring, Retaining, 3rd. Brush Plate
GCJ-1014	1	Plate Assy., 3rd Brush
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1087A	1	Head Assy., Partial, C.E.
GBF-79	1	ABSORBENT BRONZE, BEARING
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1023R	1	Holder Assy., Brush, Grounded
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
X-195	2	Washer, Lock, #8
8X-304	2	Screw, Rd. Hd., #8-32x5/16
GDF-1012**	2	Brush, Main
GDF-1013**	1	Brush, Third
12X-195	4	Washer, Lock, Cover Sc.,#8
8X-311	1	Screw, Retaining, Brush Plate, Rd. Hd., #10-32x3/8
8X-888	4	Screw, Cover, Fil. Hd., #8-32x5/16
12X-195	3	Washer, Lock, Brush Lead, #8
8X-1507	3	Screw, Brush Lead, Bdg. Hd., #8-32x1/4

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GBM-21B	1	Nut, Armature Shaft
GEJ-2006F	1	ARMATURE ASSY.
GAR-171	1	Snap Ring
GJ-104	1	Spacer, Arm. Shaft
GR-32	1	Retainer, Felt Washer
*	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
12X-864	1	Washer, Lock, Arm. Shaft

Drive End Head Assembly & Parts Used With

GAR-1231	1	Head Assy., Drive End
GAM-34	1	Retainer, Felt Washer, Outer
GAR-63	1	Retainer, Felt Washer, Inner
GAR-64	1	Retainer, Bearing
GAR-231	1	Head
GG-164	2	Washer, Felt
X-196	3	Washer, Lock, #10
X-295	1	BEARING, BALL, S.A.E. #203
8X-311	3	Screw, Rd. Hd., #10-32x3/8
X-489	1	Oiler, Press in Type, 1/4

Miscellaneous Parts

GCS-1024	1	Band, Cover
TC-4301C	1	REGULATOR, TWO CHARGE
12X-196	4	Washer, Lock, Regulator Mtg., #10
8X-321	4	Screw, Mtg., Regulator, Rd. Hd., #10-32x5/16
8X-714	1	Screw, Cover Band, Rd. Hd., #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square, #10-32

Assembly No.	Pulley, Drive
GFA-4806-2S	None
GFA-4806A-2	SP-450

** BRUSH SET, SERVICE, GDF-2012S.

* See table following parts list for part number applying to assembly wanted.

UNIT	APPLICATION
GFA-4806-2S	Buda, Hanson Clutch
GFA-4806A-2	Hanson Clutch

(Issued 6-16-48)

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GEO-2052)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GAR-211	1	Bushing, Insulating
GEO-1005	1	Coil Assy., Field, Complete
GEO-1007	1	Coil Assy., Field, Left
GAL-298	1	Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GEO-1008	1	Coil Assy., Field, Right
X-767	1	Terminal
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
GT-20A	2	Bolt, Thru
12X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

GCJ-2086A	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBW-69	1	Gasket, C.E. Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Retaining
GBW-1068	1	Cover, Comm. End
GCJ-51	1	Spring, Retaining, 3rd Brush Plate
GCJ-1014	1	Plate Assy., 3rd Brush
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1086	1	Head Assy., Partial, C.E.
GBF-79	1	Bearing, Abs. Bronze
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1023R	1	Holder Assy., Brush, Grounded
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
X-195	2	Lockwasher, Brush Holder Sc., #8
8X-304	2	Screw, Brush Holder, Rd. Hd. #8-32x5/16
GDF-1012†	2	Brush, Main
GDF-1013†	1	Brush, Third
X-195	4	Lockwasher, Cover Sc., #8
8X-311	1	Screw, Retaining Spring, Rd. Hd. #10-32x3/8
8X-888	4	Screw, C.E. Cover, Fill. Hd. #8-32x5/16
12X-195	3	Lockwasher, Brush Lead Sc., #8
8X-1507	3	Screw, Brush Lead, Bdg. Hd. #8-32x1/4

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GAR-1177	1	Oil Thrower
GEJ-2091F	1	Armature
X-156	1	Nut, Shaft, Castellated 1/2-20
X-263	1	Key, Woodruff, #8
X-358	1	Washer, Shaft, Plain 1/2
X-404	1	Pin, Cotter, 3/32x1

Drive End Head Assembly & Parts Used With

GAR-1096A	1	Head Assy., Drive End
GAR-95	1	Washer, Felt
GAR-96A	1	Head
GX-9	1	Retainer, Bearing
GX-10	1	Gasket
X-196	3	Lockwasher, Retainer Sc., #10
8X-311	3	Screw, Bearing Retainer, Rd. Hd. #10-32x3/8
X-378	1	Bearing, Ball, Shielded, S.A.E. #204

Miscellaneous Parts

GAL-1024	1	Band, Cover
TC-4327E	1	Regulator, Two Charge
12X-196	4	Lockwasher, Regulator Mtg. Sc., #10
8X-321	4	Screw, Regulator Mtg., Rd. Hd. #10-32x5/16
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† Brush Set, Service GDF-2012S.

(Issued 8-2-48)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GEO-2056)	1	Frame & Field Assy.
GAG-125S	1	Bracket, Mounting, Gen.
GAL-44	1	Insulation, Field Conn.
GAR-211	1	Bushing, Insulating
GDS-29	2	Pole Piece
GDS-1005C	1	Coil Assy., Field, Comp.
GDS-1007A	1	Coil Assy., Field, Left
GAL-298	1	Lead Assy., C.B.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GDS-1008C	1	Coil Assy., Field, Right
X-767	1	Terminal
GK-38	2	Screw, Pole Piece
MN-21	2	Pin, Dowel
X-113	2	Screw, Mounting Bracket, Hex. Hd., 5/16-24x5/8
X-203	2	Washer, Lock, Mounting Bracket, 5/16
GK-20	2	Screw, Frame
X-199	2	Washer, Lock, Frame Screw, 1/4

Comm. End Head Assembly & Parts Used With

GCJ-2086	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBW-69	1	Gasket, Comm. End Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Retaining
GBW-1068	1	Cover, Comm. End
GCJ-51	1	Spring, Retaining, 3rd Brush Plate
GCJ-1014	1	Plate Assy., 3rd Brush
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1086A	1	Head Assy., Partial, Comm. End
GBF-79	1	Bearing, Abs., Bronze
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1023R	1	Holder Assy., Brush Grounded
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
X-195	2	Washer, Lock, #8
8X-304	2	Screw, Rd. Hd. #8-32x5/16
GDF-1012†	2	Brush, Main
GDF-1013†	1	Brush, Third

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
X-195	5	Washer, Lock, #8
8X-311	1	Screw, Rd. Hd., #10-32x3/8
8X-888	4	Screw, Fill Hd., #8-32x5/16
8X-1507	1	Screw, Binding Hd., #8-32x1/4
X-195	2	Washer, Lock, Brush Lead, #8
8X-1507	2	Screw, Brush Lead, Bdg. Hd., #8-32x1/4

Armature Assembly & Parts Used With

GEJ-2055F	1	Armature Assembly
GAR-171	1	Snap Ring
GJ-104	1	Spacer, Armature Shaft
GJ-179	1	Washer, Plain, Armature Shaft
X-160	1	Nut, Armature Shaft, Hex., 7/16-20
X-205	1	Washer, Lock, Armature Shaft, 7/16
X-261	1	Key, Woodruff, #6

Drive End Head Assembly & Parts Used With

GAL-1063B	1	Head Assy., Drive End
GAL-63A	1	Head
GG-6	2	Retainer, Bearing
GG-164	1	Washer, Felt
GK-176	1	Retainer, Felt Washer
8X-173	3	Nut, Hex., #10-32
X-196	3	Washer, Lock, #10
X-295	1	Bearing, Ball, S.A.E. #203
8X-316	3	Screw, Rd. Hd., #10-32x3/4
X-489	1	Oiler, Press in Type, 1/4

Miscellaneous Parts

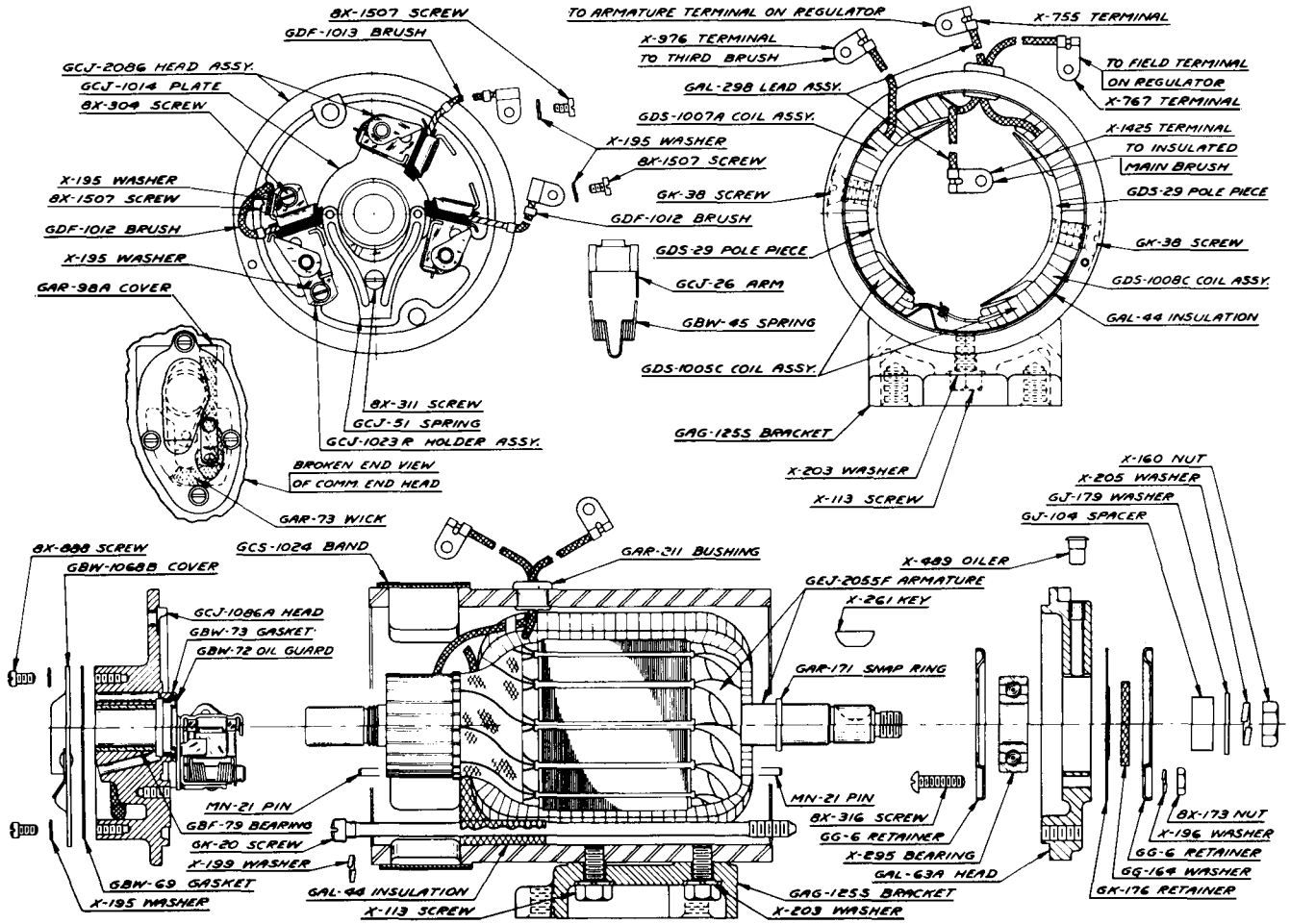
GCS-1024	1	Band, Head
TC-4305B	1	Regulator, Two Charge
X-196	4	Washer, Lock, Regulator Mtg., #10
8X-321	4	Screw, Mtg., Regulator, Rd. Hd., #10-32x5/16
8X-715	1	Screw, Head Band, Rd. Hd., #10-32x1 1/4
8X-794	1	Nut, Head Band, Square, #10-32

† Service BRUSH SET GDF-2012S.

UNIT	APPLICATION
GFA-4810	Buda Koehring

(Issued 6-17-43)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."


8X-1507 SCREW
GDF-1013 BRUSH
GCJ-2086 HEAD ASSY.
GCJ-1014 PLATE
8X-304 SCREW
X-195 WASHER
8X-1507 SCREW
GDF-1012 BRUSH
X-195 WASHER
GAR-98A COVER
8X-311 SCREW
GCJ-51 SPRING
GCJ-1023R HOLDER ASSY.
BROKEN END VIEW OF COMM. END HEAD
GAR-73 WICK
TO ARMATURE TERMINAL ON REGULATOR
X-976 TERMINAL
TO THIRD BRUSH
GAL-298 LEAD ASSY.
GDS-1007A COIL ASSY.
X-195 WASHER
8X-1507 SCREW
GK-38 SCREW
GDF-1012 BRUSH
GDS-29 POLE PIECE
GCJ-26 ARM
GBW-45 SPRING
GDS-1005C COIL ASSY.
GAG-125S BRACKET
X-203 WASHER
X-113 SCREW
X-755 TERMINAL
TO FIELD TERMINAL ON REGULATOR
X-767 TERMINAL
X-1425 TERMINAL
TO INSULATED MAIN BRUSH
GDS-29 POLE PIECE
GK-38 SCREW
GDS-1008C COIL ASSY.
GAL-44 INSULATION
X-160 NUT
X-205 WASHER
GJ-179 WASHER
GJ-104 SPACER
X-489 OILER
GEJ-2055F ARMATURE
X-261 KEY
GAR-171 SNAP RING
8X-888 SCREW
GBW-10688 COVER
GCJ-1086A HEAD
GBW-73 GASKET
GBW-72 OIL GUARD
GCS-1024 BAND
GAR-211 BUSHING
MN-21 PIN
GBF-79 BEARING
GK-20 SCREW
X-199 WASHER
GBW-69 GASKET
X-195 WASHER
GAL-44 INSULATION
X-113 SCREW
MN-21 PIN
8X-316 SCREW
GG-6 RETAINER
X-295 BEARING
GAL-63A HEAD
GAG-125S BRACKET
X-203 WASHER
8X-173 NUT
X-196 WASHER
GG-6 RETAINER
GG-164 WASHER
GK-176 RETAINER

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GEO-2053)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term., Outer
GAL-44	1	Insulation, Field Connection
GBW-34	1	Washer, Ins., Field Term., Outer
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Field Term.
GDS-30	1	Lead Assy.
GAA-27	1	Stud, Arm. Term. #14-24
X-1611	1	Terminal
GEO-1005D	1	COIL ASSY., FIELD, COMP.
GEB-58	1	Stud, Field Term., #10-32
GEO-1007C	1	Coil Assy., Field, Left
X-847	1	Terminal
GEO-1008D	1	Coil, Field, Right
GEA-34	1	Insulation, Term. Stud, Inner
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term., Hex. #14-24
X-193	2	Lockwasher, Arm. Term., #14
X-196	2	Lockwasher, Field Term., #10
8X-349	1	Washer, Plain, Field Term., #10
8X-361	1	Washer, Plain, Arm. Term., 1/4
8X-1377	2	Nut, Field Term., Hex.#10-32
GK-20A	2	Bolt, Thru
X-196	1	Lockwasher, Ground Screw, #10
X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

GCJ-2087	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBW-69	1	Gasket, Comm. End Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Retaining
GBW-1068	1	Cover, Comm. End
GCJ-51	1	Spring, Retaining, 3rd. Brush Plate
GCJ-1014	1	Plate Assy., 3rd. Brush
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1087A	1	Head Assy., Partial, Comm. End
GBF-79	1	BEARING, ABS, BRONZE
		1 2 3 4 5

Comm. End Head Assy. (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1023R	1	Holder Assy., Brush, Grounded
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
X-195	2	Lockwasher, Br. Holder Sc., #8
8X-304	2	Screw, Brush Holder, Rd. Hd. #8-32x5/16
GDF-1012 †	2	Brush, Main
GDF-1013 †	1	Brush, Third
12X-195	4	Lockwasher, Cover Sc., #8
8X-311	1	Screw, Spring, Rd. Hd. #10-32x3/8
8X-888	4	Screw, Cover, Fill. Hd. #8-32x5/16
X-195	3	Lockwasher, Brush Lead Sc.,#8
8X-1507	3	Screw, Brush Lead Bdg. Hd. #8-32x1/4

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Shaft, Hex. .669-20
GEJ-2006F	1	ARMATURE ASSY.
GAR-171	1	Snap Ring
GR-32	1	Retainer, Felt Washer
SP-383A	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
X-864	1	Lockwasher, Shaft

Drive End Head Assembly & Parts Used With

GAM-1101	1	Head Assy., Drive End
GAM-34	1	Retainer, Felt Washer, Outer
GAM-101	1	Head
GAR-63	1	Retainer, Felt Washer, Inner
GAR-64	1	Retainer, Bearing
GG-164	2	Washer, Felt
X-196	3	Lockwasher, Retainer Sc., #10
X-295	1	BEARING, BALL, S.A.E. #203
8X-311	3	Screw, Retainer Rd. Hd. #10-32x3/8
X-489	1	Oiler, Press in Type, 1/4

Miscellaneous Parts

GBW-1024E	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8[illegible]794	1	Nut, Cover Band, Square #10-32
		1 2 3 4 5

(Continued on reverse side)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

† BRUSH SET, SERVICE GDF-2012S

NOTE: Part numbers shown in parenthesis are not recommended for service.

NOTE: TC-4326B REGULATOR, TWO CHARGE used with but is not a part of this Generator.

UNIT	APPLICATION
GFA-4812A-2	Continental, Elwell Parker, Hercules

(Issued 3-24-48)

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GEO-2052)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GAR-211	1	Bushing, Insulating
GEO-1005	1	COIL ASSY., FIELD, COMPLETE
GEO-1007	1	Coil Assy., Field, Left
GAL-298	1	Lead Assembly
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GEO-1008	1	Coil Assy., Field, Right
X-767	1	Terminal
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
GT-20A	2	Bolt, Thru
12X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

DA-39	2	Washer, Plain, Felt Retaining
DA-70	1	Nut, Armature Shaft
DJ-10	1	Gasket, C.E. Cover
GAG-53	1	Cover, Comm. End
GCJ-2076	1	Head Assembly, Comm. End
GCJ-51	1	Spring, Retaining, 3rd Brush Plate
GCJ-1014	1	Plate Assy., 3rd Brush
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1076	1	Head Assy., Partial, C.E.
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1023R	1	Holder Assy., Brush, Grounded
GBW-45	1	Spring, Brush
GCJ-26	1	Arm Brush
12X-195	2	Lockwasher Holder Sc. #8
8X-304	2	Screw, Brush Holder, Rd. Hd. #8-32x5/16
GDF-1012†	2	Brush, Main
GDF-1013†	1	Brush, Third
8X-311	1	Screw, Retaining Spring, Rd. Hd. #10-32x3/8
GR-32	1	Retainer, Felt Washer
GR-35	2	Washer, Felt
12X-195	3	Lockwasher, Lead Sc., #8
12X-196	3	Lockwasher, Cover Screw, #10
X-295	1	BEARING, BALL, S.A.E. #203

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
X-489	1	Oiler
8X-870	3	Screw, Cover, Fill. Hd. #10-32x5/16
8X-1507	3	Screw, Brush Lead, Bdg. Hd. #8-32x1/4

Armature Assembly & Parts Used With

GAR-1177	1	Oil Thrower
GEJ-2113F	1	ARMATURE ASSY.
GAR-171	1	Snap Ring
X-157	1	Nut, Armature Shaft, D.E.
X-260	1	Key, Woodruff, C.E., #5
X-263	1	Key, Woodruff, D.E., #8
X-358	1	Washer, Plain, Shaft, D.E.
X-404	1	Pin, Cotter, 3/32x1

Drive End Head Assembly & Parts Used With

GAL-1330	1	Head Assy., Drive End
GAL-330	1	Head, Drive End
GX-9	1	Retainer, Bearing
GX-10	1	Gasket, Retainer
X-196	3	Lockwasher, Retainer Screw #10
8X-311	3	Screw, Retainer, Rd. Hd. #10-32x3/8
X-378	1	BEARING, BALL, SHIELDED, S.A.E. #204

Miscellaneous Parts

GBW-1024E	1	Band, Cover
TC-4301D	1	REGULATOR, TWO CHARGE
12X-196	4	Lockwasher Mtg. Sc., #10
8X-321	4	Screw, Regulator, Mtg., Rd. Hd. #10-32x5/16
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GDF-2012S.

UNIT	APPLICATION
GFA-4813-2	Thorobred, Waukesha

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GFA-4818-2, P-2 GENERATOR PARTS LIST

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name Of Part
GEO-2053	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term.
GAL-44	1	Insulation, Field Connection
GBW-34	1	Washer, Ins., Field Term.
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Field Term.
GDS-30	1	Lead Assembly
GAA-27	1	Stud, Arm. Term., #14-24
X-1611	1	Terminal
GEO-1005D	1	COIL ASSY., FIELD, COMPLETE
GEB-58	1	Stud, Field Term., #10-32
GEO-1007C	1	Coil Assy., Field, Left
X-847	1	Terminal
GEO-1008D	1	Coil, Field, Right
GEA-34	1	Insulation, Term. Stud, Inner
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term., Hex. #14-24
12X-196	2	Lockwasher, Field Term. #10
12X-199	2	Lockwasher, Arm. Term. 1/4
8X-349	1	Washer, Plain, Field Term. #10
8X-361	1	Washer, Plain, Arm. Term. 1/4
8X-1377	2	Nut, Field Term., Hex. #10-32
GT-20A	2	Bolt, Thru
12X-196	1	Lockwasher, Ground Sc., #10
12X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

GCJ-2124S	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBW-30	1	Cover, Comm. End
GBW-69	1	Gasket, C. E. Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Guard

Comm. End Head Assembly & Parts (Con't)

Part No.	No. Used	Name Of Part
GCJ-51	1	Spring, Retaining, 3rd. Brush Plate
GCJ-1014	1	Plate Assy., 3rd. Brush
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1124A	1	Head Assy., Partial, C. E.
GBF-79	1	BEARING, ABS. BRONZE
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1023R	1	Holder Assy., Brush, Grounded
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
12X-195	2	Lockwasher, Holder Sc., #8
8X-304	2	Screw, Br. Holder, Rd. Hd. #8-32x5/16
GGW-52	1	Screw, Spring Rd. Hd. #10-32x1/2
12X-195	4	Lockwasher, Cover Sc., #8
X-489	1	Oiler
8X-888	4	Screw, Cover, Fill. Hd. #8-32x5/16
GDF-2012S	1	BRUSH SET SERVICE
12X-195	3	Lockwasher, Lead Sc., #8
8X-1507	3	Screw, Brush Lead, Bdg. Hd. #8-32x1/4

Armature Assembly & Parts Used With

GAR-1177	1	Oil Thrower
GEJ-2091F	1	ARMATURE
GFY-38	1	Washer, Plain, Arm. Shaft, 1/2
X-156	1	Nut, Arm. Shaft, Hex. D. E.
X-263	1	Key, Woodruff, #8
X-404	1	Pin, Cotter

Drive End Head Assembly & Parts Used With

GAR-1096A	1	Head Assy., Drive End
GAR-95	1	Washer, Felt
GAR-96A	1	Head, Drive End
GGW-52	3	Screw, Retainer, Rd. Hd.
GX-9	1	Retainer, Bearing
GX-10	1	Gasket
12X-196	3	Lockwasher Retainer
X-378	1	BEARING, BALL, SHIELDED, S. A. E. #204

(Continued On Reverse Side)

Printed in U. S. A.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Miscellaneous Parts

Part No.	No. Used	Name Of Part
GAL-1024B	1	Band Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

NOTE: TC-4326A REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GFA-4818-2	John Bean, Michigan Marine, Speed Sprayer
GFA-4818P-2	Nordberg

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking su -parts the complete part can be assembled as needed."

GFA-4819 GENERATOR PARTS LIST GFA-4819

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GEO-3068)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GAR-211	1	Bushing, Insulating
GEO-2005	1	Coil Assy., Field, Comp.
GEO-2007	1	Coil Assy., Field, Left
X-976	1	Terminal
GEO-2008	1	Coil Assy., Field, Right
GAL-289	1	Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-959	1	Terminal
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel, Head Locating
8X-140	1	Nut, Field Ground, Hex., #6-32
X-194	1	Washer, Lock, Field Ground Screw, #6
8X-1008	1	Screw, Field Ground, Rd. hd., #6-32x9/16
GK-20	2	Bolt, Thru
X-199	2	Washer, Lock, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

(GCJ-3085)	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBW-69	1	Gasket, Comm. End Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GBW-1068	1	Cover, Comm. End
GCJ-51	1	Spring, Retaining, 3rd Brush Plate
GCJ-1014L	1	Plate Assy., 3rd Brush
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1085A	1	Head Assy., Partial, C.E.
GBF-79	1	Bearing, Absorbent Bronze
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1023L	1	Holder Assy., Brush, Grounded
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
X-195	2	Washer, Lock, #8
8X-304	2	Screw, Rd. hd., #8-32x5/16
GDF-1012‡	2	Brush, Main
GDF-1013‡	1	Brush, Third
X-195	4	Washer, Lock, Cover Sc., #8
8X-311	1	Screw, Retaining, Brush Plate, Rd. hd., #10-32x3/8
8X-888	4	Screw, Cover, Fil. hd., #8-32x5/16
X-195	3	Washer, Lock, Brush Lead, #8
8X-1507	3	Screw, Brush Lead, Bdg. hd., #8-32x1/4
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GEJ-2115F	1	Armature Assy.
GAR-171	1	Snap Ring
GJ-104	1	Spacer, Armature Shaft
X-264	1	Key, Woodruff, #9

Drive End Head Assembly & Parts Used With

GCZ-1003A	1	Head Assy., Drive End
GCZ-3A	1	Head
GG-6	2	Retainer, Bearing
GG-164	1	Washer, Felt
GK-176	1	Retainer, Felt Washer
8X-173	3	Nut, Retainer Screw, Hex., #10-32
X-196	3	Washer, Lock, Retainer Sc., #10
X-295	1	Bearing, Ball, S.A.E. #203
8X-316	3	Screw, Retainer, Rd. hd., #10-32x3/4
X-489	1	Oiler, Hinge Top, Press in, 1/4

Miscellaneous Parts

CB-4014	1	Relay Assy., Cutout
CB-123	1	Spring, Armature
CB-160S	1	Cover
PX-55	1	Screw, Arm. Term., Bdg. hd., #10-32x3/16
X-196	2	Washer, Lock, Term. Sc., #10
8X-312	1	Screw, Bat. Term., Rd. hd., #10-32x1/4
GBW-1024L	1	Band, Cover
X-196	2	Washer, Lock, Cutout Relay Mtg., #10
8X-321	2	Screw, Mtg., Cutout Relay, Rd. hd., #10-32x5/16
8X-715	1	Screw, Cover Band, Rd. hd., #10-32x1 1/4
8X-794	1	Nut, Cover Band, Square, #10-32
		1 2 3 4 5

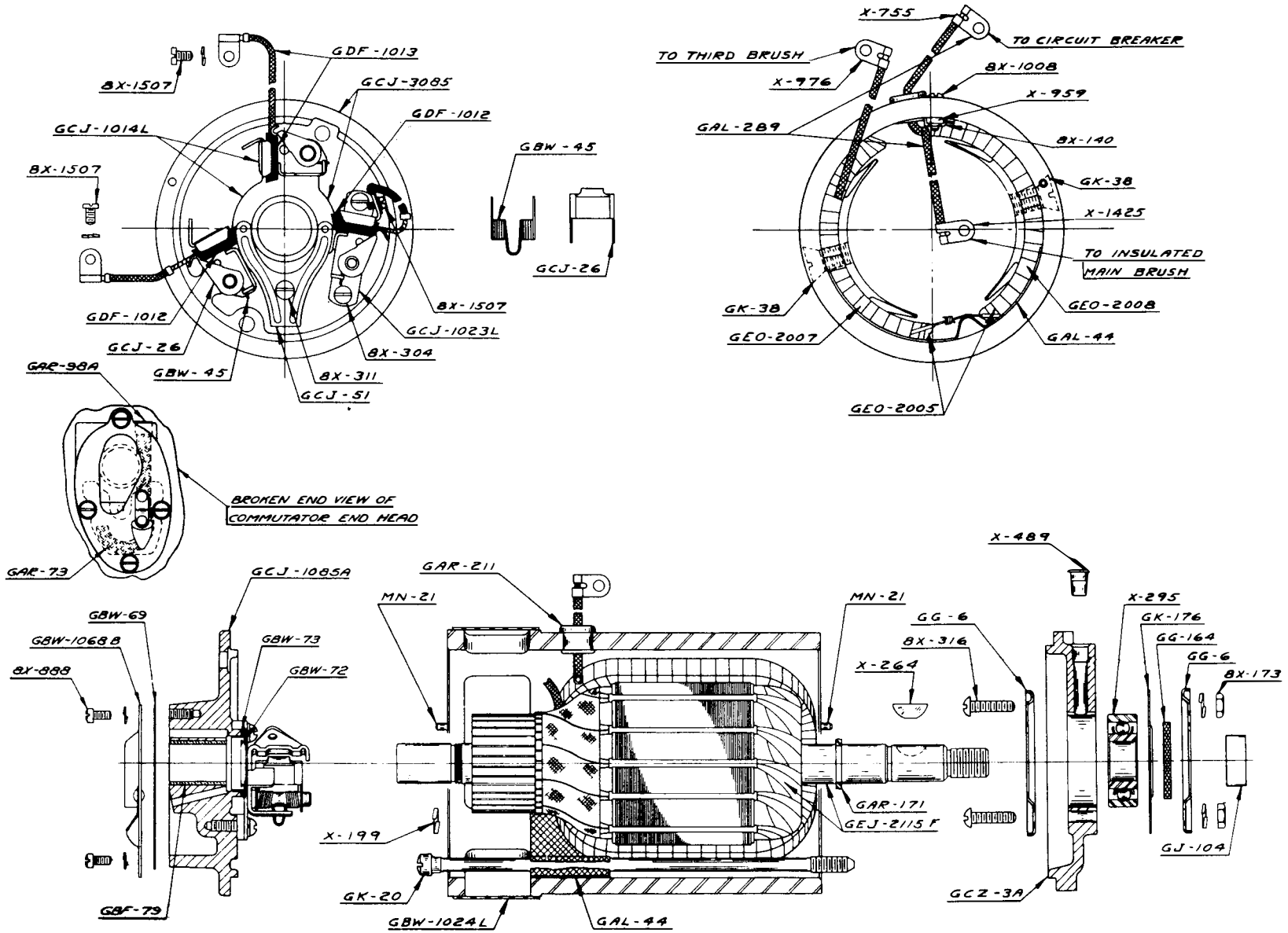
(Issued 5-25-44)

‡ Brush Set, Service, GDF-2012S.

Printed in U. S. A.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

File in Equipment & Parts List Binder



GFA-4819 GENERATOR ILLUSTRATION

GFA-4820 GENERATOR PARTS LIST GFA-4820

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GEO-2069)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GAR-211	1	Bushing, Insulating
GEO-1005A	1	Coil Assy., Field, Comp.
GEO-1007	1	Coil Assy., Field, Left
GAL-298	1	Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GEO-1008A	1	Coil Assy., Field, Right
X-959	1	Terminal
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel, Head Locating
8X-140	1	Nut, Field Ground, Hex., #6-32
X-194	1	Washer, Lock, Field Ground, #6
8X-1008	1	Screw, Field Ground, Rd. hd., #6-32x9/16
GK-20	2	Bolt, Thru
X-199	2	Washer, Lock, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

(GCJ-2087)	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBW-69	1	Gasket, Comm. End Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GBW-1068	1	Cover, Comm. End
GCJ-51	1	Spring, Retaining, 3rd Brush Plate
GCJ-1014	1	Plate Assy., 3rd Brush
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1087A	1	Head Assy., Partial, C.E.
GBF-79	1	Bearing, Absorbent Bronze
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1023R	1	Holder Assy., Brush Grounded
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
X-195	2	Washer, Lock, #8
8X-304	2	Screw, Rd. hd., #8-32x5/16
GDF-1012‡	2	Brush, Main
GDF-1013‡	1	Brush, Third
X-195	4	Washer, Lock, Cover Sc., #8
8X-311	1	Screw, Retaining, Brush Plate, Rd. hd., #10-32x3/8
8X-888	4	Screw, Cover, Fil. hd., #8-32x5/16
X-195	3	Washer, Lock, Brush Lead, #8
8X-1507	3	Screw, Brush Lead, Bdg. hd., #8-32x1/4
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Nut, Armature Shaft
GEJ-2006F	1	Armature Assy.
GAR-171	1	Snap Ring
GJ-104	1	Spacer, Armature Shaft
X-260	1	Key, Woodruff, #5
X-864	1	Washer, Lock, Arm. Shaft, .669

Drive End Head Assembly & Parts Used With

GAM-1110	1	Head Assy., Drive End
GAM-34	1	Retainer, Felt Washer, Outer
GAM-110	1	Head
GAR-63	1	Retainer, Felt Washer, Inner
GAR-64	1	Retainer, Bearing
GG-164	2	Washer, Felt
X-196	3	Washer, Lock, Retainer Screw, #10
8X-311	3	Screw, Retainer, Rd. hd., #10-32x3/8
X-441	1	Bearing, Ball, Shielded, S.A.E. #203
X-489	1	Oiler, Hinge Top, Press in, 1/4

Miscellaneous Parts

CB-4014	1	Relay Assy., Cutout
CB-123	1	Spring, Armature
CB-160S	1	Cover
PX-55	1	Screw, Arm. Term., Bdg. hd., #10-32x3/16
X-196	2	Washer, Lock, Term. Sc., #10
8X-312	1	Screw, Bat. Term., Rd. hd., #10-32x1/4
GBW-24B	1	Band, Cover
X-196	2	Washer, Lock, Cutout Relay Mtg., #10
8X-321	2	Screw, Mtg., Cutout Relay, Rd. hd., #10-32x5/16
8X-715	1	Screw, Cover Band, Rd. hd., #10-32x1 1/4
8X-794	1	Nut, Cover Band, Square, #10-32
		1 2 3 4 5

(Issued 5-25-44)

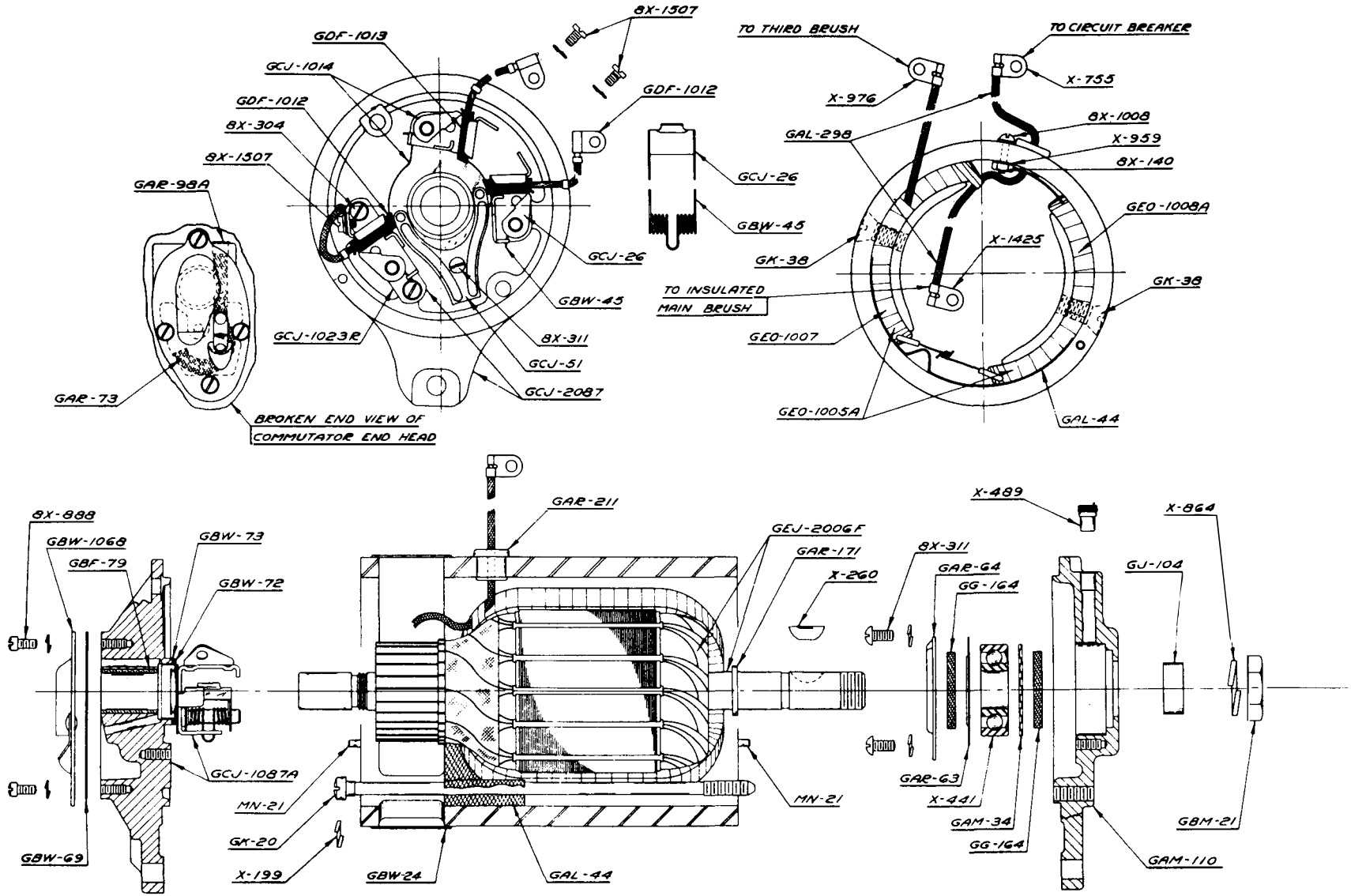
‡ Brush Set, Service, GDF-2012S

Printed in U. S. A.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

File in Equipment & Parts List Binder

GFA-4820 GENERATOR ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GEO-2071)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GAR-211	1	Bushing, Insulating
GEO-1005	1	COIL ASSY., FIELD, COMPLETE
GEO-1007	1	Coil Assy., Field, Left
GAL-298	1	Lead Assembly
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GEO-1008	1	Coil Assy., Field, Right
X-767	1	Terminal
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
GT-20A	2	Bolt, Thru
12X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

GCJ-2086A	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBW-69	1	Gasket, C.E. Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GBW-1068	1	Cover, Comm. End
GCJ-51	1	Spring, Retaining, 3rd Br. Plate
GCJ-1014	1	Plate Assy., 3rd Brush
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1086C	1	Head Assy., Partial, C.E.
GBF-79	1	BEARING, ABS. BRONZE
GBW-45	1	Spring, Ins.. Brush
GCJ-26	1	Arm. Ins.. Brush
GCJ-1023R	1	Holder Assy., Brush, Grounded
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
X-195	2	Lockwasher, Holder Screw, #8
8X-304	2	Screw, Br. Holder, Rd. Hd. #8-32x5/16
GDF-1012†	2	Brush, Main
GDF-1013†	1	Brush, Third
X-195	4	Lockwasher, Cover Sc., #8
8X-311	1	Screw, Retaining Spring, Rd. Hd. #10-32x3/8
8X-888	4	Screw, Cover, Fill. Hd. #8-32x5/16

Comm. End Head Assembly & Parts (Cont'd.)

Part No.	No. Used	Name of Part
12X-195	3	Lockwasher, Br. Lead Sc., #8
8X-1507	3	Screw, Brush Lead, Bdg. Hd. #8-32x1/4

Armature Assembly & Parts Used With

DG-1144	1	Oil Thrower
GEJ-2116F	1	ARMATURE
X-258	1	Key, Woodruff, #3
X-358	1	Washer, Plain, Arm. Shaft, 1/2
X-404	1	Pin, Cotter
X-835	1	Nut, Arm. Shaft, Slotted 1/2-20

Drive End Head Assembly & Parts Used With

GAR-1192	1	Head Assy., Drive End
GAE-47	1	Retainer, Bearing
GAR-192	1	Head, Drive End
8X-66	3	Screw, Retainer, Flat Hd. #10-32x1/2
X-378	1	BEARING, BALL, SHIELDED, S.A.E. #204
X-1621	3	Washer, Retainer Sc., Skpf. #10

Miscellaneous Parts

GBW-24B	1	Band, Cover
TC-4302A	1	REGULATOR, TWO CHARGE
12X-196	4	Lockwasher, Reg. Mtg. Sc., #10
8X-321	4	Screw, Regulator Mtg., Rd. Hd. #10-32x5/16
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GDF-2012S.

UNIT	APPLICATION
GFA-4821-2	Hercules

(Issued 4-13-50)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GEO-3066)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Conn.
GAR-211A	1	Bushing, Insulating
GEO-2005B	1	COIL ASSY., FIELD, COMP.
GEO-2007	1	Coil Assy., Field, Left
X-976	1	Terminal
GEO-2008B	1	Coil Assy., Field, Right
GAL-296	1	Lead Assy., C.B.
X-755	1	Terminal
X-1425	1	Terminal
X-959	1	Terminal
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel, Head Locating
8X-140	1	Nut, Field Ground, Hex., #6-32
X-194	1	Lockwasher, Grd. Sc., #6
8X-1008	1	Screw, Field Ground, Rd. Hd. #6-32x9/16
GK-20A	2	Bolt, Thru
X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

GCJ-3085A	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBW-69	1	Gasket, Comm. End Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GBW-1068	1	Cover , Comm. End
GCJ-51	1	Spring, Retaining, 3rd Brush Plate
GCJ-1014L	1	Plate Assy., 3rd Brush
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1085C	1	Head Assy., Partial, C.E.
GBF-79	1	BEARING, ABS. BRONZE
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1023L	1	Holder Assy., Brush, Grounded
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
X-195	2	Lockwasher, #8
8X-304	2	Screw, Rd. Hd., #8-32x5/16
GDF-1012 †	2	Brush, Main
GDF-1013 †	1	Brush, Third
X-195	4	Lockwasher, Cover Sc., #8
8X-311	1	Screw, Plate Retaining, Rd. Hd., #10-32x3/8
8X-888	4	Screw, Cover, Fil. Hd., #8-32x5/16
X-195	3	Lockwasher, Br. Lead, #8
8X-1507	3	Screw, Brush Lead, Bdg. Hd., #8-32x1/4

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GAL-310	1	Spacer, Armature Shaft
GEJ-2091F	1	ARMATURE
GK-174	1	Washer, Arm. Shaft, Plain, 1/2
X-156	1	Nut, Arm. Shaft, Hex., Castellated, 1/2-20
X-263	1	Key, Woodruff, #8
X-404	1	Pin, Cotter, 3/32x1

Drive End Head Assembly & Parts Used With

GDF-1003C	1	Head Assy., Drive End
DB-17	1	Washer, Felt Retaining
GAR-95	1	Washer, Felt, Inner
GBC-25	1	Retainer, Felt Washer, Inner
GDF-3C	1	Head, Drive End
GW-29	1	Washer, Felt, Outer
GX-9	1	Retainer, Bearing
X-196	3	Lockwasher, Retainer Sc. #10
X-298	1	BEARING, BALL, S.A.E. #204
8X-311	3	Screw, Retainer, Rd. Hd. #10-32x3/8
X-489	1	Oiler, Hinge Top, Press in, 1/4

Miscellaneous Parts

CB-4014	1	RELAY ASSY., CUTOUT
CB-123	1	Spring, Armature
CB-160S	1	Cover
PX-55	1	Screw, Arm. Term., Bdg. Hd. #10-32x3/16
X-196	2	Lockwasher, Term. Sc., #10
8X-312	1	Screw, Bat. Term., Rd. Hd. #10-32x1/4
GBW-24B	1	Band, Cover
X-196	2	Lockwasher, Relay Mtg. #10
8X-321	2	Screw, Mtg., Cutout Relay Rd. Hd., #10-32x5/16
8X-714	1	Screw, Cover Band, Rd. Hd., #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square, #10-32

† BRUSH SET, SERVICE GDF-2012S.

UNIT	APPLICATION
GFA-4823-2	Kermath

(Issued 8-24-48)

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GEO-2074)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GAR-211	1	Bushing, Insulating
GEO-1005	1	COIL ASSY., FIELD, COMPLETE
GEO-1007	1	Coil Assy., Field, Left
GAL-298	1	Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GEO-1008	1	Coil Assy., Field, Right
X-767	1	Terminal
GK-38	2	Pole, Shoe Screw
MN-21	2	Pin, Dowel
GK-20A	2	Bolt, Thru
12X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

DA-39	3	Washer, Plain, Felt Retaining
DA-70	1	Nut, Arm. Shaft
DA-132	1	Washer, Felt, C.E. Outer
GCJ-2118	1	Head Assy., Comm. End
GCJ-51	1	Spring, Retaining, 3rd Brush Plate
GCJ-1014	1	Plate Assy., 3rd. Brush
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1118	1	Head Assy., Partial C.E.
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1023R	1	Holder, Assy., Brush, Grounded
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
X-195	2	Lockwasher, Holder Sc., #8
8X-304	2	Screw, Brush Holder, Rd. Hd. #8-32x5/16
GDF-1012 †	2	Brush, Main
GDF-1013 †	1	Brush, Third
8X-311	1	Screw, Retaining Spring, Rd. Hd. #10-32x3/8
GR-32	1	Retainer, Felt Washer
GR-35	1	Washer, Felt
12X-195	3	Lockwasher, Brush Lead Sc., #8
X-295	1	BEARING, BALL, S.A.E. #203
X-489	1	Oiler
8X-1507	3	Screw, Brush Lead, Bdg. Hd. #8-32x1/4

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GAG-1166	1	Oil Thrower
GEJ-2104F	1	ARMATURE ASSY.
GAR-171	1	Snap Ring
X-257	1	Key, Woodruff, #2
X-261	1	Key, Woodruff, #6

Drive End Head Assembly & Parts Used With

GFA-1003A	1	Head Assy., Drive End
GAR-95	1	Washer, Felt
GFA-3A	1	Head, Drive End
GX-9	1	Retainer, Bearing
GX-10	1	Gasket Brg. Retainer
X-196	3	Lockwasher Sc., #10 Retainer
8X-311	3	Screw, Brg. Retainer, Rd. Hd. #10-32x3/8
X-378	1	BEARING, BALL, SHIELDED, S.A.E. #204

Dist. Mounting Housing & Parts Used With

GAG-58	1	Dist. Mounting Housing Clamp
GAG-59	1	Dist. Mounting Housing
GE-21	1	GEAR, DIST., DRIVER
SW-213	1	Rivet, Gear
8X-53	1	Screw, Dist. Housing Clamp, Rd. Hd. #8-32x5/8
8X-119	3	Screw, Dist. Housing, Fill. Hd. #10-32x1/2
8X-141	1	Nut, Clamp Sc., Hex. #8-32
12X-196	3	Lockwasher, Housing Sc., #10
X-382	1	Cup, Grease, 1/8 Pipe
X-489	1	Oiler

Miscellaneous Parts

GBW-24B	1	Band, Cover
TC-4301F	1	REGULATOR, TWO CHARGE
12X-196	4	Lockwasher, Reg. Mtg. Sc., #10
8X-321	4	Screw, Regulator Mtg., Rd. Hd. #10-32x5/16
X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GDF-2012S.

UNIT	APPLICATION
GFA-4824-2	Universal

(Issued 6-3-49)

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GEO-2076)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GAR-211	1	Bushing, Insulating
GEO-1005G	1	COIL ASSY., FIELD COMPLETE
GEO-1007	1	Coil Assy., Field, Left
GAL-298	1	Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GEO-1008G	1	Coil Assy., Field Right
X-767	1	Terminal
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
GK-20A	2	Bolt, Thru
12X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

DA-39	3	Washer, Plain, Felt Retaining
DA-70	1	Nut, Arm. Shaft
DA-132	1	Washer, Felt, C.E. Outer
GCJ-2076	1	Head Assy., Comm. End
GCJ-51	1	Spring, Retaining, 3rd Brush Plate
GCJ-1014	1	Plate Assy., 3rd. Brush
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1076	1	Head Assy., Partial, C.E.
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1023R	1	Holder, Assy., Brush, Grounded
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
X-195	2	Lockwasher, Holder Sc., #8
8X-304	2	Screw, Brush Holder, Rd. Hd. #8-32x5/16
GDF-1012 †	2	Brush, Main
GDF-1013 †	1	Brush, Third
8X-311	1	Screw, Retaining Spring, Rd. Hd. #10-32x3/8
GR-32	1	Retainer, Felt Washer
GR-35	1	Washer, Felt
12X-195	3	Lockwasher, Brush Lead Sc., #8
X-295	1	BEARING, BALL, S.A.E. #203
X-489	1	Oiler
8X-1507	3	Screw, Brush Lead, Bdg. Hd. #8-32x1/4

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GAG-1166	1	Oil Thrower
GEJ-2104F	1	ARMATURE ASSY.
GAR-171	1	Snap Ring
X-257	1	Key, Woodruff, #2
X-261	1	Key, Woodruff, #6

Drive End Head Assembly & Parts Used With

GFA-1003	1	Head Assy., Drive End
GAR-95	1	Washer, Felt
GFA-3	1	Head, Drive End
GX-9	1	Retainer, Bearing
GX-10	1	Gasket, Brg. Retainer
X-196	3	Lockwasher, Retainer Sc., #10
8X-311	3	Screw, Brg. Retainer Rd. Hd. #10-32x3/8
X-378	1	BEARING, BALL, SHIELDED, S.A.E. #204

Dist. Mounting Housing & Parts Used With

GAG-58	1	Dist. Mounting Housing Clamp
GAG-101	1	Dist. Mounting Housing
GE-25	1	GEAR, DIST., DRIVE
SW-213	1	Rivet, Gear
8X-53	1	Screw, Dist. Housing Clamp, Rd. Hd. #8-32x5/8
8X-119	3	Screw, Dist. Housing, Fill. Hd. #10-32x1/2
8X-141	1	Nut, Clamp Sc., Hex. #8-32
12X-196	3	Lockwasher, Housing Sc. #10
X-382	1	Cup, Grease, 1/8 Pipe
X-489	1	Oiler

Miscellaneous Parts

GBW-24B	1	Band, Cover
TC-4301F	1	REGULATOR, TWO CHARGE
12X-196	4	Lockwasher, Reg. Mtg. Sc., #10
8X-321	4	Screw, Regulator Mtg., Rd. Hd. #10-32x5/16
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GDF-2012S.

UNIT	APPLICATION
GFA-4825-2	Universal

(Issued 6-3-49)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GEO-3079)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GAR-211	1	Bushing, Insulation
GEO-2005A	1	COIL ASSY., FIELD, COMP.
GEO-2007	1	Coil Assy., Field, Left
X-976	1	Terminal
GEO-2008A	1	Coil Assy., Field, Right
GAL-298	1	Lead Assy., C.B.
X-755	1	Terminal
X-1425	1	Terminal
X-767	1	Terminal
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
GT-20A	2	Bolt, Thru
12X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

GCJ-3085A	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBW-69	1	Gasket, Comm. End Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Retaining
GBW-1068	1	Cover, Comm. End
GCJ-51	1	Spring, Retaining, 3rd. Brush Plate
GCJ-1014L	1	Plate Assy., 3rd Brush
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1085C	1	Head Assy., Partial, Comm. End
GBF-79	1	BEARING, ABS. BRONZE
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1023L	1	Holder Assy., Brush Grounded
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
X-195	2	Lockwasher, #8
8X-304	2	Screw, Rd. Hd.,#8-32x5/16
GDF-1012 †	2	Brush, Main
GDF-1013 †	1	Brush, Third
X-195	4	Lockwasher, Cover Screw, #8
8X-311	1	Screw, Rd. Hd., #10-32x3/8
8X-888	4	Screw, C.E. Cover, Fill. Hd., #8-32x5/16
12X-195	3	Lockwasher, Brush Lead Sc., #8
8X-1507	3	Screw, Brush Lead, Bdg. Hd. #8-32x1/4

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GAR-1177	1	Oil Thrower
GEJ-2091F	1	ARMATURE
X-156	1	Nut, Shaft, Castellated 1/2-20
X-263	1	Key, Woodruff, #8
X-358	1	Washer, Shaft, Plain 1/2
X-404	1	Pin, Cotter, 3/32x1

Drive End Head Assembly & Parts Used With

GFA-1036	1	Head Assy., Drive End
GAR-95	1	Washer, Felt
GFA-36	1	Head
GX-9	1	Retainer, Bearing
GX-10	1	Gasket, Brg. Retainer
12X-196	3	Lockwasher, Brg. Retaining Screw #10
8X-311	3	Screw, Brg. Retaining, Rd. Hd., #10-32x3/8
X-378	1	BEARING, BALL, SHIELDED S. A. E. #204

Miscellaneous Parts

GBW-24B	1	Band, Cover
TC-4327E	1	REGULATOR, TWO CHARGE
12X-196	4	Lockwasher, Regulator Mtg., #10
8X-321	4	Screw, Regulator Mtg., Rd. Hd. #10-32x5/16
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GDF-2012S.

UNIT	APPLICATION
GFA-4826-2	Lathrop, Star Marine

(Issued 8-24-48)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GEO-2056A)	1	Frame & Field Assy.
GAG-125S	1	Bracket, Gen., Mtg.
GAL-44	1	Insulation, Field Connection
GAR-211	1	Bushing, Insulating
GEO-1005	1	Coil Assy., Field, Complete
GEO-1007	1	Coil Assy., Field, Left
GAL-298	1	Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GEO-1008	1	Coil Assy., Field, Right
X-767	1	Terminal
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
X-113	2	Screw, Bracket, Hex. Hd. 5/16-24x5/8
12X-200	2	Lockwasher, Bracket Sc., 5/16
GK-20A	2	Bolt, Thru
12X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

DA-39	2	Washer, Plain, Felt Retaining
DA-70	1	Nut, Armature Shaft
DJ-10	1	Gasket, C.E. Cover
GAG-53	1	Cover, Comm. End
GCJ-2076	1	Head Assy., Comm. End
GCJ-51	1	Spring, Retaining, 3rd. Brush Plate
GCJ-1014	1	Plate Assy., 3rd Brush
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1076	1	Head Assy., Partial, C.E.
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1023R	1	Holder Assy., Brush, Grounded
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
X-195	2	Lockwasher, Brush Holder #8
8X-304	2	Screw, Brush Holder, Rd. Hd. #8-32x5/16
GDF-1012†	2	Brush, Main
GDF-1013†	1	Brush, Third
8X-311	1	Screw, Retaining Spring, Rd. Hd. #10-32x3/8
GR-32	1	Retainer, Felt Washer
GR-35	2	Washer, Felt
12X-195	3	Lockwasher, Brush Lead Sc., #8

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
X-295	1	Bearing, Ball, S.A.E. #203
X-489	1	Oiler, Hinge Top, Press in, 1/4
12X-544	3	Lockwasher, Cover Screw, #10
8X-870	3	Screw, Cover, Fill. Hd. #10-32x5/16
8X-1507	3	Screw, Brush Lead, Bdg. Hd. #8-32x1/4

Armature Assy. & Parts Used With

GEJ-2090F	1	Armature Assy.
GAR-171	2	Snap Ring
GJ-104	1	Spacer, Arm. Shaft
GJ-179	1	Washer, Arm. Shaft Plain
X-160	1	Nut, Shaft, Hex. 7/16-20
12X-205	1	Lockwasher, Shaft, 7/16
X-261	2	Key, Woodruff, #6

Drive End Head Assembly & Parts Used With

GAL-1063B	1	Head Assy., Drive End
GAL-63A	1	Head
GG-6	2	Retainer, Bearing
GG-164	1	Washer, Felt
GK-176	1	Retainer, Felt Washer
8X-173	3	Nut, Retainer Sc., Hex. #10-32
X-196	3	Lockwasher, Retainer Sc., #10
X-295	1	Bearing, Ball, S.A.E. #203
8X-316	3	Screw, Brg. Retainer Rd. Hd. #10-32x3/4
X-489	1	Oiler, Press in Type, 1/4

Miscellaneous Parts

GBW-24B	1	Band, Cover
TC-4301D	1	Regulator, Two Charge
12X-196	4	Lockwasher, Regulator Mtg. Sc., #10
8X-321	4	Screw, Regulator Mtg., Rd. Hd. #10-32x5/16
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† Brush Set, Service GDF-2012S.

UNIT	APPLICATION
GFA-4830-2	Buda, American La France

(Issued 7-12-48)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GEO-2071)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GAR-211	1	Bushing, Insulating
GEO-1005	1	COIL ASSY., FIELD, COMP.
GEO-1007	1	Coil Assy., Field, Left
GAL-298	1	Lead Assy., C.B.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GEO-1008	1	Coil Assy., Field, Right
X-767	1	Terminal
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel, Head Locating
GT-20A	2	Bolt, Thru
12X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

GCJ-2086A	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBW-69	1	Gasket, Comm. End Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Retaining
GBW-1068	1	Cover, Comm. End
GCJ-51	1	Spring, Retaining, 3rd Brush Plate
GCJ-1014	1	Plate Assy., 3rd Brush
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1086C	1	Head Assy., Partial, C.E.
GBF-79	1	BEARING, ABSORBENT BRONZE
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1023R	1	Holder Assy., Brush Grounded
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
X-195	2	Lockwasher, Brush Holder #8
8X-304	2	Screw, Rd. Hd. #8-32x5/16
GDF-1012 †	2	Brush, Main
GDF-1013 †	1	Brush, Third
X-195	4	Lockwasher, C.E. Cover, #8
8X-311	1	Screw, Retaing Spring, Rd. Hd. #10-32x3/8
8X-888	4	Screw, C.E. Cover, Fill Hd. #8-32x5/16

Comm. End Head Assembly & Parts (Con't.)

Part No.	No. Used	Name of Part
12X-195	3	Lockwasher, Brush Lead Sc.,#8
8X-1507	3	Screw, Brush Lead, Bdg. Hd. #8-32x1/4

Armature Assembly & Parts Used With

DG-1144	1	Oil Thrower
GEJ-2116F	1	ARMATURE
X-258	1	Key, Woodruff, C.E. #3
X-358	1	Washer, Shaft, D.E. Plain 1/2
X-404	1	Pin, Cotter, 3/32x1
X-835	1	Nut, Shaft, D.E., Slotted 1/2-20

Drive End Head Assembly & Parts Used With

GAR-1192	1	Head Assy., Drive End
GAE-47	1	Retainer, Bearing
GAR-192	1	Head
8X-66	3	Screw, Retainer, Flat Hd. #10-32x1/2
X-378	1	BEARING, BALL, SHIELDED S.A.E. #204
X-1621	3	Washer, Retainer Sc., Skpf.#10

Miscellaneous Parts

GBW-24B	1	Band, Cover
TC-4301C	1	REGULATOR, TWO CHARGE
12X-196	4	Lockwasher, Regulator Mtg., #10
8X-321	4	Screw, Reg. Mtg., Rd. Hd. #10-32x5/16
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GDF-2012S.

UNIT	APPLICATION
GFA-4831-2	Chicago Pneumatic Tool

(Issued 8-24-48)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GEO-3086)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GAR-211	1	Bushing, Lead Ins.
GEO-2005A	1	COIL ASSY., FIELD, COMPLETE
GEO-2007	1	Coil Assy., Field, Left
X-976	1	Terminal
GEO-2008A	1	Coil Assy., Field, Right
GAL-298	1	Lead Assembly
X-755	1	Terminal
X-1425	1	Terminal
X-767	1	Terminal
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
GK-20A	2	Bolt, Thru
12X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

GCJ-3085A	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBW-69	1	Gasket, C.E. Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GBW-1068	1	Cover, Comm. End
GCJ-51	1	Spring, Retaining, 3rd. Brush Plate
GCJ-1014L	1	Plate Assy., 3rd. Brush
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1085C	1	Head Assy., Partial, C.E.
GBF-79	1	BEARING, ABS. BRONZE
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1023L	1	Holder Assy., Brush, Grounded
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
12X-195	2	Lockwasher, Holder Sc., #8
8X-304	2	Screw, Br. Holder, Rd. Hd. #8-32x5/16
GDF-1012†	2	Brush, Main
GDF-1013†	1	Brush, Third
12X-195	4	Lockwasher, Cover Screw,#8
8X-311	1	Screw, Retaining Spring, Rd. Hd. #10-32x3/8
8X-888	4	Screw, Cover, Fill. Hd. #8-32x5/16
12X-195	3	Lockwasher, Brush Lead Sc.,#8
8X-1507	3	Screw, Brush Lead, Bdg. Hd. #8-32x1/4

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GEJ-2055F	1	ARMATURE ASSY.
GAR-171	1	Snap Ring
GJ-104	1	Spacer, Arm. Shaft
GJ-179	1	Washer, Arm. Shaft, Plain
X-160	1	Nut, Shaft, D.E., Hex. 7/16-20
12X-205	1	Lockwasher, Shaft, D.E., 7/16
X-261	1	Key, Woodruff, #6

Drive End Head Assembly & Parts Used With

GCZ-1003A	1	Head Assy., Drive End
GCZ-3A	1	Head, Drive End
GG-6	2	Retainer, Bearing
GG-164	1	Washer, Felt
GK-176	1	Retainer, Felt Washer
8X-173	3	Nut, Retainer Sc., Hex. #10-32
X-196	3	Lockwasher, Retainer Sc., #10
X-295	1	BEARING, BALL, S.A.E. #203
8X-316	3	Screw, Retainer, Rd. Hd. #10-32x3/4
X-489	1	Oiler

Miscellaneous Parts

GBW-24B	1	Band, Cover
TC-4327E	1	REGULATOR, TWO CHARGE
12X-196	4	Lockwasher, Reg. Mtg. Sc., #10
8X-321	4	Screw, Reg. Mtg., Rd. Hd. #10-32x5/16
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GDF-2012S.

UNIT	APPLICATION
GFA-4832-2	Palmer Bros.

(Issued 4-4-50)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GEO-3086A)	1	Frame & Field Assy.
GAG-125S	1	Bracket, Mounting
GAL-44	1	Insulation, Field Connection
GAR-211	1	Bushing, Lead Ins.
GEO-2005A	1	COIL ASSY., FIELD, COMPLETE
GEO-2007	1	Coil Assy., Field, Left
X-976	1	Terminal
GEO-2008A	1	Coil Assy., Field, Right
GAL-298	1	Lead Assembly
X-755	1	Terminal
X-1425	1	Terminal
X-767	1	Terminal
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
X-113	2	Screw, Mtg. Bracket, Hex. Hd. 5/16-24
12X-200	2	Lockwasher, Bracket Sc., 5/16
GK-20	2	Bolt, Thru
12X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

GCJ-3085A	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBW-69	1	Gasket, C.E. Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Retaining
GBW-1068	1	Cover, Comm. End
GCJ-51	1	Spring, Retaining, 3rd Brush Plate
GCJ-1014L	1	Plate Assy., 3rd. Brush
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1085C	1	Head Assy., Partial, C.E.
GBF-79	1	BEARING, ABS. BRONZE
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1023L	1	Holder Assy., Brush, Grounded
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
X-195	2	Lockwasher, Holder Sc., #8
8X-304	2	Screw, Br. Holder, Rd. Hd. #8-32x5/16
GDF-1012 †	2	Brush, Main
GDF-1013 †	1	Brush, Third
X-195	4	Lockwasher, Cover Screw, #8

Comm. End Head Assy. (Continued)

Part No.	No. Used	Name of Part
8X-311	1	Screw, Retaining Spring, Rd. Hd. #10-32x3/8
8X-888	4	Screw, Cover, Fill. Hd. #8-32x5/16
12X-195	3	Lockwasher, Brush Lead Sc., #8
8X-1507	3	Screw, Brush Lead, Bdg. Hd. #8-32x1/4

Armature Assembly & Parts Used With

GEJ-2055F	1	ARMATURE ASSY.
GAR-171	1	Snap Ring
GJ-104	1	Spacer, Arm. Shaft
GJ-179	1	Washer, Arm. Shaft, Plain
X-160	1	Nut, Shaft, D.E., Hex. 7/16-20
12X-205	1	Lockwasher, Shaft, D.E., 7/16
X-261	1	Key, Woodruff, #6

Drive End Head Assembly & Parts Used With

GCZ-1003A	1	Head Assy., Drive End
GCZ-3A	1	Head, Drive End
GG-6	2	Retainer, Bearing
GG-164	1	Washer, Felt
GK-176	1	Retainer, Felt Washer
8X-173	3	Nut, Retainer Screw, Hex. #10-32
X-196	3	Lockwasher, Retainer Screw, #10
X-295	1	BEARING, BALL, S.A.E. #203
8X-316	3	Screw, Retainer, Rd. Hd. #10-32x3/4
X-489	1	Oiler

Miscellaneous Parts

GCS-1024	1	Band, Cover
TC-4301D	1	REGULATOR, TWO CHARGE
12X-196	4	Lockwasher, Reg. Mtg. Sc., #10
8X-321	4	Screw, Reg. Mtg., Rd. Hd. #10-32x5/16
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GDF-2012S.

UNIT	APPLICATION
GFA-4833-2	Buda

(Issued 6-28-49)

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GEO-2088)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GAR-211	1	Bushing, Lead Ins.
GEO-1005C	1	COIL ASSY., FIELD, COMPLETE
GEO-1007B	1	Coil Assy., Field, Left
GAL-266	1	Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GEO-1008C	1	Coil Assy., Field, Right
X-767	1	Terminal
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
GT-20A	2	Bolt, Thru
12X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

GCJ-2086A	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBW-69	1	Gasket, C.E. Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GBW-1068	1	Cover, Comm. End
GCJ-51	1	Spring, Retaining, 3rd. Brush Plate
GCJ-1014	1	Plate Assy., 3rd. Brush
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1086C	1	Head Assy., Partial, C.E.
GBF-79	1	BEARING, ABS. BRONZE
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1023R	1	Holder Assy., Brush, Grounded
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
12X-195	2	Lockwasher, Holder Sc. #8
8X-304	2	Screw, Brush Holder, Rd. Hd. #8-32x5/16
GDF-1012†	2	Brush, Main
GDF-1013†	1	Brush, Third
12X-195	4	Lockwasher, Cover Sc., #8
8X-311	1	Screw, Retaining Spring, Rd. Hd. #10-32x3/8
8X-888	4	Screw, Cover, Fill. Hd. #8-32x5/16
12X-195	3	Lockwasher, Brush Lead Sc.,#8
8X-1507	3	Screw, Brush Lead, Bdg. Hd. #8-32x1/4

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GAR-1177	1	Oil Thrower
GEJ-2091F	1	ARMATURE
X-156	1	Nut, Shaft, D.E., Castellated 1/2-20
X-263	1	Key, Woodruff, #8
X-358	1	Washer, Shaft, D.E., Plain 1/2
X-404	1	Pin, Cotter

Drive End Head Assembly & Parts Used With

GAR-1096A	1	Head Assy., Drive End
GAR-95	1	Washer, Felt
GAR-96A	1	Head, Drive End
GX-9	1	Retainer, Bearing
GX-10	1	Gasket
X-196	3	Lockwasher, Retainer Sc., #10
8X-311	3	Screw, Brg. Retainer, Rd. Hd. #10-32x3/8
X-378	1	BEARING, BALL, SHIELDED, S.A.E. #204

Miscellaneous Parts

GBW-24B	1	Band, Cover
TC-4327E	1	TWO CHARGE REGULATOR
12X-196	4	Lockwasher, Reg. Mtg. Sc., #10
8X-321	4	Screw, Reg. Mtg., Rd. Hd. #10-32x5/16
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GDF-2012S.

UNIT	APPLICATION
GFA-4834-2	Palmer Bros.

(Issued 4-4-50)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GFA-4835-2 GENERATOR PARTS LIST

GFA-4835-2
(Issued 11-6-56)

Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part
GEO-3090	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GBW-34	1	Washer, Ins., Field Term.
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Field Term.
GDS-30	1	Lead Assembly
GAA-27	1	Stud, Arm. Term., #14-24
X-1611	1	Terminal
GDW-44	1	Washer, Ins., Arm Term.
GEA-34	1	Insulation, Term. Stud, Inner
GEO-2005F	1	COIL ASSY., FIELD; COMPLETE
GEB-58	1	Stud, Field Term, #10-32
GEO-1008D	1	Coil, Field, Right
GEO-2007	1	Coil Assy., Field, Left
X-976	1	Terminal
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term., Hex. #14-24
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-349	1	Washer, Field Term., Plain #10
8X-361	1	Washer, Arm. Term., Plain 1/4
8X-1377	2	Nut, Field Term., Hex. #10-32
GT-20A	2	Bolt, Thru
12X-196	1	Lockwasher, Ground Sc. #10
12X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

GCJ-3125S	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBW-30	1	Cover, Comm. End
GBW-69	1	Gasket, C. E. Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GCJ-51	1	Spring, Retaining, 3rd. Brush Plate
GCJ-1014L	1	Plate Assy., 3rd Brush

Comm. End Head Assembly (Con't)

Part No.	No. Used	Name of Part
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1125A	1	Head Assy., Partial, C. E.
GBF-79	1	BEARING, ABS. BRONZE
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1023L	1	Holder Assy., Brush Grounded
GBW-45	1	Spring Brush
GCJ-26	1	Arm, Brush
12X-195	2	Lockwasher, Holder Sc., #8
8X-304	2	Screw, Br. Holder Rd. Hd. #8-32x5/16
GGW-52	1	Screw, Spring, Rd. Hd. #10-32x1/2
12X-195	4	Lockwasher, Cover Sc., #8
X-489	1	Oiler
8X-888	4	Screw, Cover, Fill. Hd. #8-32x5/16
GDF-2012S	1	Brush Set, Service
12X-195	3	Lockwasher, Lead Sc., #8
8X-1507	3	Screw, Brush, Lead, Bdg. Hd. #8-32x1/4

Armature Assembly & Parts Used With

GAR-1177	1	Oil Thrower
GEJ-2091F	1	ARMATURE
GFY-38	1	Washer, Shaft, D. E. Plain 1/2
X-156	1	Nut, Arm, Shaft, D. E.
X-263	1	Key, Woodruff, #8
X-404	1	Pin, Cotter

Drive End Head Assembly & Parts Used With

GFA-1036	1	Head Assy., Drive End
GAR-95	1	Washer, Felt
GFA-36	1	Head, Drive End
GGW-52	3	Screw, Retainer, Rd. Hd. #10-32x3/8
GX-9	1	Retainer, Bearing
GX-10	1	Gasket
12X-196	3	Lockwasher, Retainer
X-378	1	BEARING, BALL, SHIELDED, S. A. E. #204

(Continued on Reverse Side)

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File in
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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GFA-4835-2 GENERATOR PARTS (Con't)

Miscellaneous Parts

Part No.	No. Used	Name of Part
GBW-1024LS	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

NOTE: TC-4326A TWO CHARGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GFA-4835-2	Nordberg Mfg. Co.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking su -parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GFA-4837-2 GENERATOR PARTS LIST GFA-4837-2
(Issued 5-13-54)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GEO-3042	1	Frame & Field Assembly
GAL-44	1	Insulation, Field Connection
GAR-211	1	Bushing, Insulating
GEO-2005C	1	COIL ASSY., FIELD COMPLETE
GEO-2007A	1	Coil Assy., Field, Left
X-959	1	Terminal
GEO-2008C	1	Coil Assy., Field,Right
GAL-296	1	Lead Assembly
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
8X-140	1	Nut, Field Ground, Hex. #6-32
X-194	1	Lockwasher, Ground Screw #6
8X-1008	1	Screw, Field Ground, Rd. Hd. #6-32x9/16
GK-20A	2	Bolt, Thru
12X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

GCJ-3085AS	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBW-69	1	Gasket, C.E. Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GBW-1068	1	Cover, Comm. End
GCJ-51	1	Spring, Retaining, 3rd Brush Plate
GCJ-1014L	1	Plate Assy., 3rd Brush
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1085C	1	Head Assy., Partial, C.E.
GBF-79	1	BEARING, ABSORBENT BRONZE
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1023L	1	Holder Assy., Brush, Grounded
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
12X-195	2	Lockwasher, Holder Screw, #8
8X-304	2	Screw, Br. Holder, Rd. Hd. #8-32x5/16
GGW-52	1	Screw, Retaining Spring, Rd. Hd. #10-32x1/2
12X-195	4	Lockwasher, Cover Sc.,#8
8X-888	4	Screw, Cover, Fill. Hd. #8-32x5/16

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
GDF-2012S	1	BRUSH SET; SERVICE
12X-195	3	Lockwasher, Lead Sc., #8
8X-1507	3	Screw, Brush Lead, Bdg. Hd. #8-32x1/4

Armature Assembly & Parts Used With

GAL-310	1	Spacer, Arm. Shaft
GEJ-2091F	1	ARMATURE
GK-174	1	Washer, Plain 1/2
X-156	1	Nut, Arm. Shaft, D.E.
X-263	1	Key, Woodruff, #8
X-404	1	Pin, Cotter

Drive End Head Assembly & Parts Used With

GDF-1003D	1	Head Assy., Drive End
DB-17	1	Washer, Felt Retaining
GAR-95	1	Washer, Felt, Inner
GBC-25	1	Retainer, Felt Washer, Inner
GDF-3D	1	Head, Drive End
GG-164	1	Washer, Felt, Outer
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
GX-9	1	Retainer, Bearing
12X-196	3	Lockwasher, Retainer Screw, #10
X-298	1	BEARING, BALL, S.A.E. #204
X-489	1	Oiler

Miscellaneous Parts

CB-4014	1	RELAY ASSY., CUTOUT
CB-123	1	Spring, Armature
CB-160S	1	Cover, Relay
PX-55	1	Screw, Arm. Term., Bdg. Hd. #10-32x3/16
12X-196	2	Lockwasher, Term. Sc., #10
8X-312	1	Screw, Bat. Term., Rd. Hd. #10-32x1/4
GDW-1024E	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32
X-1270	2	Washer, Relay Mtg., Skpf. #10
8X-1515	2	Screw, Relay Mtg., Rd. Hd. #10-32x5/16

UNIT	APPLICATION
GFA-4837-2	Universal (Marine)

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File in
Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GFA-4901-2 GENERATOR PARTS LIST

GFA-4901-2
(Issued 10-6-50)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GCJ-33	1	Cup, Grounding
(GEO-2047A)	1	Frame & Field Assembly
GAL-44	1	Insulation, Field Connection
GBW-34	1	Washer, Ins., Term. Stud, Outer
GBW-67	1	Insulation, Term. Stud, Inner
GCY-25	1	Bushing, Ins., Term. Stud
GEO-1005J	1	COIL ASSY., FIELD, COMPLETE
GEB-58	1	Stud, Terminal, #10-32
GEO-1007F	1	Coil Assy., Field, Left
GAL-298	1	Lead Assembly
X-755	1	Terminal
X-1425	1	Terminal
GEO-1008H	1	Coil Assy., Field, Right
X-976	1	Terminal
GFE-37	1	Bushing, Lead Insulating
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
12X-196	2	Lockwasher, Term. Stud, #10
8X-349	1	Washer, Term. Stud, Plain #10
8X-1377	2	Nut, Term. Stud, Hex. #10-32
GK-20A	2	Bolt, Thru
12X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

DA-39	3	Washer, Plain
DA-70	1	Nut, Armature Shaft
DA-132	1	Washer, Felt
GCJ-2076	1	Head Assy., Comm. End
GCJ-51	1	Spring, Retaining 3rd. Brush Plate
GCJ-1014	1	Plate Assy., 3rd. Brush
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1076	1	Head Assy., Partial, C.E.
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1023R	1	Holder Assy., Brush, Grounded
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
12X-195	2	Lockwasher, Brush Holder, #8
8X-304	2	Screw, Brush Holder, Rd. Hd. #8-32x5/16
GDF-1012†	2	Brush, Main
GDF-1013†	1	Brush, Third
8X-311	1	Screw, Retaining Spring, Rd. Hd. #10-32x3/8

UNIT	APPLICATION
GFA-4901-2	Universal (Marine & Industrial)

Comm. End Head Assy. (Continued)

Part No.	No. Used	Name of Part
GR-32	1	Retainer, Felt Washer
GR-35	1	Washer, Felt
8X-119	3	Screw, Cover, Fill. Hd. #10-32x1/2
12X-195	3	Lockwasher, Lead Sc., #8
12X-196	3	Lockwasher, Cover Screw, #10
X-295	1	BEARING, BALL, S.A.E. #203
X-489	1	Oiler
8X-1507	3	Screw, Brush Lead, Bdg. Hd. #8-32x1/4

Armature Assembly & Parts Used With

GAG-1166	1	Oil Thrower
GEJ-2104F	1	Armature Assy.
GAR-171	1	Snap Ring
X-257	1	Key, Woodruff, #2
X-261	1	Key, Woodruff, #6

Drive End Head Assy. & Parts Used With

GFA-1003	1	Head Assy., Drive End
GAR-95	1	Washer, Felt
GFA-3	1	Head, Drive End
GX-9	1	Retainer, Bearing
GX-10	1	Gasket, Brg. Retainer
12X-196	3	Lockwasher, Retainer Sc. #10
8X-311	3	Screw, Brg. Retainer, Rd. Hd. #10-32x3/8
X-378	1	BEARING, BALL, SHIELDED, S.A.E. #204

Dist. Mounting Housing & Parts Used With

GAG-58	1	Clamp, Dist. Mtg. Housing
GAG-101	1	Housing, Dist. Mounting
GE-25	1	GEAR, DIST. DRIVE
SW-213	1	Rivet, Gear
8X-53	1	Screw, Dist. Housing Clamp, Rd. Hd. #8-32x5/8
8X-141	1	Nut, Dist. Housing Clamp, Hex. #8-32
X-382	1	Cup, Grease, 1/8 Pipe
X-489	1	Oiler

Miscellaneous Parts

CB-4021S	1	CUTOUT RELAY
GBW-24B	1	Band, Cover
12X-196	2	Lockwasher, Mtg. Sc., #10
8X-321	2	Screw, Relay Mtg., Rd. Hd. #10-32x5/16
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GDF-2012S.

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File in
Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GFA-4902-2 GENERATOR PARTS LIST

GFA-4902-2
(Issued 3-29-51)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GCJ-33	1	Cup, Grounded
(GEO-2047A)	1	Frame & Field Assembly
GAL-44	1	Insulation, Field Connection
GBW-34	1	Washer, Ins., Term. Stud, Outer
GBW-67	1	Insulation, Term. Stud, Inner
GCY-25	1	Bushing, Ins., Term. Stud
GEO-1005J	1	COIL ASSY., FIELD, COMPLETE
GEB-58	1	Stud, Terminal, #10-32
GEO-1007F	1	Coil Assy., Field,Left
GAL-298	1	Lead Assembly
X-755	1	Terminal
X-1425	1	Terminal
GEO-1008H	1	Coil Assy., Field, Right
X-976	1	Terminal
GFE-37	1	Bushing, Lead Insulation
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
12X-196	2	Lockwasher, Term. Stud, #10
8X-349	1	Washer, Term. Stud, Plain #10
8X-1377	2	Nut, Term. Stud, Hex. #10-32
GK-20A	2	Bolt, Thru
12X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

DA-39	3	Washer, Plain
DA-70	1	Nut, Armature Shaft
DA-132	1	Washer, Felt
GCJ-2076	1	Head Assy., Comm. End
GCJ-51	1	Spring, Retaining, 3rd Brush Plate
GCJ-1014	1	Plate Assy., 3rd Brush
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1076	1	Head Assy., Partial, C.E.
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1023R	1	Holder Assy., Brush, Grounded
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
12X-195	2	Lockwasher, Holder Sc., #8

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
8X-304	2	Screw, Brush Holder, Rd. Hd. #8-32x5/16
GDF-1012†	2	Brush, Main
GDF-1013†	1	Brush, Third
8X-311	1	Screw, Retaining Spring, Rd. Hd. #10-32x3/8
GR-32	1	Retainer, Felt Washer
GR-35	1	Washer, Felt
12X-195	3	Lockwasher, Lead Sc., #8
X-295	1	BEARING, BALL, S.A.E. #203
X-489	1	Oiler
8X-1507	3	Screw, Brush Lead, Bdg. Hd. #8-32x1/4

Armature Assembly & Parts Used With

GAG-1166	1	Oil Thrower
GEJ-2104F	1	ARMATURE ASSY.
GAR-171	1	Snap Ring
X-257	1	Key, Woodruff, #2
X-261	1	Key, Woodruff, #6

Drive End Head Assy. & Parts Used With

GFA-1003	1	Head Assy., Drive End
GAR-95	1	Washer, Felt
GFA-3	1	Head, Drive End
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
GX-9	1	Retainer, Bearing
GX-10	1	Gasket, Brg. Retainer
12X-196	3	Lockwasher, Retainer Sc., #10
X-378	1	BEARING, BALL, SHIELDED, S.A.E. #204

Dist. Mounting Housing & Parts Used With

GAG-58	1	Clamp, Dist. Mtg. Housing
GAG-59	1	Housing,Dist. Mounting
GE-21	1	Gear, Dist. Drive
SW-213	1	Rivet, Gear
8X-53	1	Screw, Dist. Housing Clamp, Rd. Hd. #8-32x5/8
X-119	3	Screw, Housing Mtg., Fill. Hd. #10-32x1/2
8X -141	1	Nut, Dist. Housing
12X-196	3	Lockwasher, Housing Sc., #10
X-382	1	Cup, Grease, 1/8 Pipe
X-489	1	Oiler

(Continued on Reverse Side)

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GFA-4902-2 GENERATOR PARTS (Cont'd.)

Miscellaneous Parts

CB-4021S	1	CUT-OUT RELAY
GBW-24B	1	Band, Cover
8X-321	2	Screw, Relay Mtg., Rd. Hd. #10-32x5/16
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32
X-1274	2	Washer, Relay Mtg. Sc., Skpf. #10

† BRUSH SET, SERVICE GDF-2012S.

UNIT	APPLICATION
GFA-4902-2	Universal Motor

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File in
Equipment & Parts List Binder

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ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GFB-4801 GENERATOR PARTS LIST GFB-4801

PRELIMINARY

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GFB-3048)	1	Frame & Field Assembly
GAL-44	1	Field Connection Ins.
GAR-211	1	Insulating Bushing
GDS-29	2	Pole Piece
GFB-2005	1	FIELD COIL ASSY.- Comp.
GFB-2007	1	Field Coil Assy.-Left
X-976	1	Terminal
GFB-2008	1	Field Coil Assy.-Right
GAL-289	1	C. B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-959	1	Terminal
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-140	1	#6-32 Hex. Nut
X-194	1	#6 Lock Washer
8X-1008	1	#6-32x9/16 Rd. Hd. Screw
GK-20	2	Frame Screw
X-199	2	1/4 Lock Washer

Comm. End Plate Assembly & Parts Used With

(GCJ-3085B)	1	Comm. End Plate Assembly
GAR-73	1	Oil Wick
GAR-98A	1	Wick Cover
GBW-69	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GBW-1068B	1	Comm. End Cap Cover
GCJ-51	1	3rd Brush Plate Retaining Spring
GCJ-1012‡	2	Brush - Main
GCJ-1013‡	1	Brush - Third
GCJ-1014L	1	3rd Brush Plate Assembly
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
GCJ-1085A	1	C. E. Plate Part Assy.
GBF-79	1	ABSORBENT BRONZE BRG.
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
GCJ-1023L	1	Grounded Brush Holder Assembly
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
X-195	2	#8 Lock Washer
8X-304	2	#8-32x5/16 Rd. Hd. Sc.
X-195	5	#8 Lock Washer
8X-311	1	#10-32x3/8 Rd. Hd. Screw
8X-888	4	#8-32x5/16 Fill. Hd. Sc.
8X-1507	1	#8-32x1/4 Bdg. Hd. Sc.
X-195	2	#8 Lock Washer
8X-1507	2	#8-32x1/4 Bdg. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GEJ-2055F	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GJ-104	1	Armature Shaft Spacer
GJ-179	1	7/16 Plain Washer
X-160	1	7/16-20 Hex. Nut
X-205	1	7/16 Lock Washer
X-261	1	#6 Woodruff Key

Drive End Head Assembly & Parts Used With

GCZ-1003A	1	Drive End Head Assembly
GCZ-3A	1	Drive End Head
GG-6	2	Bearing Retainer
GG-164	1	Felt Washer
GK-176	1	Felt Washer Retainer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	BALL BRG.- S.A.E. #203
8X-316	3	#10-32x3/4 Rd. Hd. Sc.
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

CB-4013	1	CIRCUIT BREAKER ASSEMBLY
CB-123	1	Armature Spring
CB-160S	1	C. B. Cover
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.
X-196	2	#10 Lock Washer
8X-312	1	#10-32x1/4 Rd. Hd. Sc.
GBW-1024B	1	Head Band Assembly
X-196	2	#10 Lock Washer
8X-321	2	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 10-2-41)

‡ SERVICE BRUSH SET GCJ-2012S.

UNIT	APPLICATION
GFB-4801	Kermath Mfg.

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GFB-2037)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Conn.
GAR-211	1	Bushing, Insulating
GFB-1005	1	COIL ASSY., FIELD, COMP.
GBF-1007	1	Coil Assy., Field, Left
GAL-355	1	Lead Assy.
X-755	1	Terminal
X-976	1	Terminal
X-976	1	Terminal
GFB-1008	1	Coil Assy., Field, Right
X-959	1	Terminal
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
8X-140	1	Nut, Field Ground, Hex. #6-32
X-194	1	Lockwasher, Field Ground, #6
8X-1008	1	Screw, Field Ground, Rd. Hd. #6-32x9/16
GT-20A	2	Bolt, Thru
X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

GCJ-2086B	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBW-69	1	Gasket, Comm. End Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Retaining
GBW-1068	1	Cover, Comm. End
GCJ-51	1	Spring, Retaining, 3rd Brush Plate
GCJ-1012 †	2	Brush, Main
GCJ-1013 †	1	Brush, Third
GCJ-1014	1	Plate Assy., 3rd Brush
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1086C	1	Head Assy., Partial, Comm. End
GBF-79	1	BEARING, ABS., BRONZE
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1023R	1	Holder Assy., Brush Grounded
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
X-195	2	Lockwasher, Brush Holder #8
8X-304	2	Screw, Brush Holder, Rd. Hd. #8-32x5/16
		1 2 3 4 5

Comm. End Head Assy. (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
12X-195	4	Lockwasher, Cover Sc., #8
8X-311	1	Screw, Retaining Spring, Rd. Hd. #10-32x3/8
8X-888	4	Screw, C.E. Cover Fill. Hd. #8-32x5/16
X-195	3	Lockwasher, Brush Lead Sc., #8
8X-1507	3	Screw, Brush Lead Bdg. Hd. #8-32x1/4

Armature Assembly & Parts Used With

DG-1144	1	Oil Thrower
GEJ-2106F	1	ARMATURE
X-157	1	Nut, Shaft, D.E., Slotted 1/2-20
X-263	1	Key, Woodruff, D.E., #8
X-358	1	Washer, Shaft, D.E., Plain, 1/2
X-404	1	Pin, Cotter, 3/32x1

Drive End Head Assembly & Parts Used With

GAR-1237	1	Head Assy., Drive End
GAE-47	1	Retainer, Bearing
GAR-237	1	Head
8X-66	3	Screw, Retainer, Flat Hd. #10-32x1/2
X-378	1	BEARING, BALL, SHIELDED, S.A.E. #204
X-1621	3	Washer, Retainer Sc., Skpf. #10

Miscellaneous Parts

GBW-1024B	1	Band, Cover
RA-4002	1	RELAY ASSY., CUTOUT
CB-123	1	Spring, Armature
CB-160S	1	Cover
PX-55	1	Screw, Bdg. Hd. #10-32x3/16
X-196	2	Lockwasher, #10
8X-312	1	Screw, Rd. Hd. #10-32x1/4
X-196	2	Lockwasher, Cut Out Relay Mtg., #10
8X-321	2	Screw, Cutout Relay Mtg., Rd. Hd. #10-32x5/16
X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32
		1 2 3 4 5

† BRUSH SET, SERVICE GCJ-2012S

NOTE: Part numbers shown in parenthesis are not recommended for service.

UNIT	APPLICATION
GFB-4803-3	Young Engine, Hercules

(Issued 3-8-48)

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GFB-2052)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GAR-211	1	Bushing, Insulating
GFB-1005A	1	COIL ASSY., FIELD, COMPLETE
GFB-1007	1	Coil Assy., Field, Left
GAL-355	1	Lead Assembly
X-755	1	Terminal
X-976	1	Terminal
X-976	1	Terminal
GFB-1008A	1	Coil Assy., Field, Right
X-767	1	Terminal
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
GT-20A	2	Bolt, Thru
12X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

GCJ-2086B	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBW-69	1	Gasket, C.E. Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GBW-1068	1	Cover, Comm. End
GCJ-51	1	Spring, Retaining, 3rd Br. Plate
GCJ-1012†	2	Brush, Main
GCJ-1013†	1	Brush, Third
GCJ-1014	1	Plate Assy., 3rd Brush
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1086C	1	Head Assy., Partial, C.E.
GBF-79	1	BEARING, ABS. BRONZE
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1023R	1	Holder Assy., Brush, Grounded
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
X-195	2	Lockwasher, #8
8X-304	2	Screw, Rd. Hd. #8-32x5/16
12X-195	4	Lockwasher, #8
8X-311	1	Screw, Rd. Hd. #10-32x3/8
8X-888	4	Screw, Fill. Hd. #8-32x5/16
12X-195	3	Lockwasher, Br. Lead Sc., #8
8X-1507	3	Screw, Br. Lead, Bdg. Hd. #8-32x1/4

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
DG-1144	1	Oil Thrower
GEJ-2106F	1	ARMATURE
X-157	1	Nut, Arm. Shaft, Hex. 1/2-20
X-263	1	Key, Woodruff, #8
X-358	1	Washer, Plain, Arm. Shaft, 1/2
X-404	1	Pin, Cotter

Drive End Head Assembly & Parts Used With

*	1	Head Assy., Drive End
GAE-47	1	Retainer, Bearing
*	1	Head, Drive End
8X-66	3	Screw, Flat Hd. #10-32x1/2
X-378	1	BEARING, BALL, SHIELDED, S.A.E. #204
X-1621	3	Washer, Skfp. #10

Miscellaneous Parts

GBW-1024B	1	Band, Cover
TC-4303E	1	REGULATOR, TWO CHARGE
12X-196	4	Lockwasher, Reg. Mtg. Sc., #10
8X-321	4	Screw, Regulator Mtg., Rd. Hd. #10-32x5/16
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GCJ-2012S.

* See table following parts lists for part number applying to assembly wanted.

Assembly No.	Head Assy.	D.E. Head
GFB-4805-3	GAR-1237A	GAR-237A
GFB-4805A-3	GAR-1237	GAR-237

UNIT	APPLICATION
GFB-4805-3	Hercules
GFB-4805A-3	Worthington

(Issued 4-14-50)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GFB-2071	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GAR-211	1	Bushing, Lead Ins.
GFB-1005A	1	COIL ASSY., FIELD, COMPLETE
GFB-1007	1	Coil Assy., Field, Left
GAL-355	1	Lead Assembly
X-755	1	Terminal
X-976	1	Terminal
X-976	1	Terminal
GFB-1008A	1	Coil Assy., Field, Right
X-767	1	Terminal
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
GT-20A	2	Bolt, Thru
12X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

GCJ-2086B	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBW-69	1	Gasket, C.E. Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GBW-1068	1	Cover, Comm. End
GCJ-51	1	Spring, Retaining, 3rd Brush Plate
GCJ-1012†	2	Brush, Main
GCJ-1013†	1	Brush, Main
GCJ-1014	1	Plate Assy., 3rd. Brush
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1086C	1	Head Assy., Partial, C.E.
GBF-79	1	Bearing, Abs. Bronze
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1023R	1	Holder Assy., Brush, Grounded
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
X-195	2	Lockwasher, Holder Sc., #8
8X-304	2	Screw, Brush Holder, Rd. Hd. #8-32x5/16
12X-195	4	Lockwasher, Cover Sc., #8
8X-311	1	Screw, Retaining Spring, Rd. Hd. #10-32x3/8
8X-888	4	Screw, C.E. Cover, Fill. Hd. #8-32x5/16
12X-195	3	Lockwasher, Lead Sc., #8
8X-1507	3	Screw, Br. Lead, Bdg. Hd. #8-32x1/4

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
DG-1144	1	Oil Thrower
GEJ-2116F	1	ARMATURE
X-258	1	Key, Woodruff, #3
8X-358	1	Washer, Shaft, D.E., Plain 1/2
X-404	1	Pin, Cotter
8X-835	1	Nut, Arm. Shaft, D.E.

Drive End Head Assembly & Parts Used With

GAR-1237B	1	Head Assy., Drive End
GAE-47	1	Retainer, Bearing
GAR-237B	1	Head, Drive End
8X-66	3	Screw, Retainer, Flat Hd. #10-32x1/2
X-378	1	BEARING, BALL, SHIELDED, S.A.E. #204
X-1621	3	Washer, Retainer Sc., Skpf. #10

Miscellaneous Parts

GBW-24B	1	Band, Cover
TC-4303D-2	1	REGULATOR, TWO CHARGE
8X-321	4	Screw, Reg. Mtg., Rd. Hd. #10-32x5/16
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32
X-1270	4	Washer, Reg. Mtg. Sc., Skpf. #10

† BRUSH SET, SERVICE GCJ-2012S.

UNIT	APPLICATION
GFB-4809-3	Chicago Pneumatic

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-20	2	Frame Screw
(GDY-2243)	1	Frame & Field Assembly
GAS-29	2	Pole Piece
GAS-44	1	Field Connection Ins.
GAS-45	4	Field Coil Holder
GAS-121	1	Insulating Bushing
GAS-213	1	Lead Assembly
X-1595	1	Terminal
GDY-1005A	1	FIELD COIL ASSY.- Comp.
GDY-1007B	1	Field Coil Assy.-Left
X-1595	1	Terminal
GDY-1008B	1	Field Coil - Right
MN-21	2	Dowel Pin
MZ-38	2	Pole Piece Screw
X-755	2	Terminal
X-544	2	#10 Lock Washer

Comm. End Plate Assembly & Parts Used With

GAS-69	1	Comm. End Cap Cover
GAS-70	1	End Cap Cover Gasket
GAS-71	1	Bearing Retaining Washer
GAS-77	1	Felt Washer
GAS-78	1	Felt Washer Retainer
(GEM-2246)	1	Comm. End Plate Assembly
GAS-51	2	3rd Brush Plate Retaining Spring
GAS-245	1	Lock Plate
GAS-246	1	Comm. End Plate
GEM-2021R	1	Brush Holder Plate Assy.
GAL-31	1	Ground Connector Assy.
X-958	2	Terminal
GAS-15	2	Brush Holder
GAS-17	1	Brush Spring
GAS-18	1	Brush Spring
GAS-1021R	1	Br. Holder Plate Part Assembly
GEM-12†	2	Brush - Main
8X-122	1	#8-32x1/2 Fill. Hd.Sc.
X-1275	2	#8 Skpf. Washer
8X-1505	1	#8-32x9/16 Bdg.Hd. Sc.
GEM-2082R	1	3rd Brush Holder Plate Assembly
GAS-15	1	Brush Holder
GAS-17	1	Brush Spring
GAS-1082R	1	3rd Brush Holder Plate Part Assembly
GEM-13†	1	Brush - Third
X-1275	1	#8 Skpf. Washer
8X-1496	1	#8-32x7/16 Bdg.Hd. Sc.
8X-55	3	#8-32x3/8 Rd. Hd. Screw
8X-122	1	#8-32x1/2 Fill. Hd. Sc.
X-195	2	#8 Lock Washer
X-489	1	1/4 Oiler - Press in Type
IA-175	1	Flat Steel Washer
8X-61	1	#10-32x7/16 Flat Hd. Screw
X-63	3	#8-32x3/8 Flat Hd. Screw
X-293	1	BALL BEARING - S.A.E. #201
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-152	1	Oil Thrower
GDY-28	1	Washer
GEM-2212	1	ARMATURE ASSEMBLY
GAS-53	1	Snap Ring
IA-158	1	Snap Ring
GR-32A	1	Felt Washer Retainer
X-407	1	3/32x3/4 Cotter Pin
X-1460	1	#212 Woodruff Key
X-1581	1	7/16-20 Castellated Nut

Drive End Head Assembly & Parts Used With

GAS-1211	1	Drive End Head Assembly
GAS-155	1	Bearing Retainer
GAS-156	1	Gasket
GAS-211	1	Drive End Head
GG-164	1	Felt Washer
X-196	3	#10 Lock Washer
8X-311	3	#10-32x3/8 Rd. Hd. Sc.
X-1470	1	BALL BRG.- S.A.E. #202

Miscellaneous Parts

GAS-168	2	T. C. Regulator Spacer
GFD-1024A	1	Head Band Assembly
TC-4303B	1	TWO CHARGE REGULATOR
X-196	4	#10 Lock Washer
8X-311	4	#10-32x3/8 Rd. Hd. Screw
X-714	1	#10-32x1 1/2 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 7-2-41)

† SERVICE BRUSH SET GEM-2012S.

UNIT	APPLICATION
GFD-4801	Aircooled Motors

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-20	2	Frame Screw
(GDY-2244)	1	Frame & Field Assembly
GAS-29	2	Pole Piece
GAS-44	1	Field Connection Ins.
GAS-45	4	Field Coil Holder
GAS-121	1	Insulating Bushing
GAS-213	1	Lead Assembly
X-1595	1	Terminal
GDY-1005A	1	FIELD COIL ASSY.- Comp.
GDY-1007B	1	Field Coil Assy.-Left
X-1595	1	Terminal
GDY-1008B	1	Field Coil - Right
MN-21	2	Dowel Pin
MZ-38	2	Pole Piece Screw
X-755	2	Terminal
X-544	2	#10 Lock Washer

Comm. End Plate Assembly & Parts Used With

GAS-69	1	Comm. End Cap Cover
GAS-70	1	End Cap Cover Gasket
GAS-71	1	Bearing Retaining Washer
GAS-77	1	Felt Washer
GAS-78	1	Felt Washer Retainer
(GEM-2246)	1	Comm. End Plate Assembly
GAS-51	2	3rd Brush Plate Retaining Spring
GAS-245	1	Lock Plate
GAS-246	1	Comm. End Plate
GEM-2021R	1	Br. Holder Plate Assy.
GAL-31	1	Ground Connector Assy.
X-958	2	Terminal
GAS-15	2	Brush Holder
GAS-17	1	Brush Spring
GAS-18	1	Brush Spring
GAS-1021R	1	Br. Holder Plate Part Assembly
GEM-12†	2	Brush - Main
8X-122	1	#8-32x1/2 Fill. Hd. Sc.
X-1275	2	#8 Skpf. Washer
8X-1505	1	#8-32x9/16 Bdg. Hd. Sc.
GEM-2082R	1	3rd Br. Holder Plate Assembly
GAS-15	1	Brush Holder
GAS-17	1	Brush Spring
GAS-1082R	1	3rd Br. Holder Plate Part Assembly
GEM-13†	1	Brush - Third
X-1275	1	#8 Skpf. Washer
8X-1496	1	#8-32x7/16 Bdg. Hd.Sc.
8X-55	3	#8-32x3/8 Rd. Hd. Screw
8X-122	1	#8-32x1/2 Fill. Hd. Sc.
X-195	2	#8 Lock Washer
X-489	1	1/4 Oiler - Press in Type
IA-175	1	Flat Steel Washer
8X-61	1	#10-32x7/16 Flat Hd. Screw
X-63	3	#8-32x3/8 Flat Hd. Screw
X-293	1	BALL BEARING - S.A.E. #201
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-152	1	Oil Thrower
GDY-28	1	Washer
GEM-2212	1	ARMATURE ASSEMBLY
GAS-53	1	Snap Ring
IA-158	1	Snap Ring
GR-32A	1	Felt Washer Retainer
X-407	1	3/32x3/4 Cotter Pin
X-1460	1	#212 Woodruff Key
X-1581	1	7/16-20 Castellated Nut

Drive End Head Assembly & Parts Used With

GAS-1211	1	Drive End Head Assembly
GAS-155	1	Bearing Retainer
GAS-156	1	Gasket
GAS-211	1	Drive End Head
GG-164	1	Felt Washer
X-196	3	#10 Lock Washer
8X-311	3	#10-32x3/8 Rd. Hd. Sc.
X-1470	1	BALL BRG.- S.A.E. #202

Miscellaneous Parts

GAS-168	2	T. C. Regulator Spacer
GFD-1024	1	Head Band Assembly
TC-4303B	1	TWO CHARGE REGULATOR
X-196	4	#10 Lock Washer
8X-311	4	#10-32x3/8 Rd. Hd. Screw
X-714	1	#10-32x1 1/2 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 7-2-41)

† SERVICE BRUSH SET GEM-2012S.

UNIT	APPLICATION
GFD-4802	Aircooled Motors

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GFD-4802 GENERATOR PARTS LIST GFD-4802

PRELIMINARY

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-20	2	Frame Screw
(GDY-2244)	1	Frame & Field Assembly
GAS-29	2	Pole Piece
GAS-44	1	Field Connection Ins.
GAS-45	4	Field Coil Holder
GAS-121	1	Insulating Bushing
GAS-213	1	Lead Assembly
X-1595	1	Terminal
GDY-1005A	1	FIELD COIL ASSY.- Comp.
GDY-1007B	1	Field Coil Assy.-Left
X-1595	1	Terminal
GDY-1008B	1	Field Coil - Right
MN-21	2	Dowel Pin
MZ-38	2	Pole Piece Screw
X-755	2	Terminal
X-544	2	#10 Lock Washer

Comm. End Plate Assembly & Parts Used With

GAS-69	1	Comm. End Cap Cover
GAS-70	1	End Cap Cover Gasket
GAS-71	1	Bearing Retaining Washer
GAS-77	1	Felt Washer
GAS-78	1	Felt Washer Retainer
(GEM-2246)	1	Comm. End Plate Assembly
GAS-51	2	3rd Brush Plate Retaining Spring
GAS-245	1	Lock Plate
GAS-246	1	Comm. End Plate
GEM-2021R	1	Br. Holder Plate Assy.
GAL-31	1	Ground Connector Assy.
X-958	2	Terminal
GAS-15	2	Brush Holder
GAS-17	1	Brush Spring
GAS-18	1	Brush Spring
GAS-1021R	1	Br. Holder Plate Part Assembly
GEM-12†	2	Brush - Main
8X-122	1	#8-32x1/2 Fill. Hd. Sc.
X-1275	2	#8 Skpf. Washer
8X-1505	1	#8-32x9/16 Bdg. Hd. Sc.
GEM-2082R	1	3rd Br. Holder Plate Assembly
GAS-15	1	Brush Holder
GAS-17	1	Brush Spring
GAS-1082R	1	3rd Br. Holder Plate Part Assembly
GEM-13†	1	Brush - Third
X-1275	1	#8 Skpf. Washer
8X-1496	1	#8-32x7/16 Bdg. Hd.Sc.
8X-55	3	#8-32x3/8 Rd. Hd. Screw
8X-122	1	#8-32x1/2 Fill. Hd. Sc.
X-195	2	#8 Lock Washer
X-489	1	1/4 Oiler - Press in Type
IA-175	1	Flat Steel Washer
8X-61	1	#10-32x7/16 Flat Hd. Screw
X-63	3	#8-32x3/8 Flat Hd. Screw
X-293	1	BALL BEARING - S.A.E. #201
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-152	1	Oil Thrower
GDY-28	1	Washer
GEM-2212	1	ARMATURE ASSEMBLY
GAS-53	1	Snap Ring
IA-158	1	Snap Ring
GR-32A	1	Felt Washer Retainer
X-407	1	3/32x3/4 Cotter Pin
X-1460	1	#212 Woodruff Key
X-1581	1	7/16-20 Castellated Nut

Drive End Head Assembly & Parts Used With

GAS-1211	1	Drive End Head Assembly
GAS-155	1	Bearing Retainer
GAS-156	1	Gasket
GAS-211	1	Drive End Head
GG-164	1	Felt Washer
X-196	3	#10 Lock Washer
8X-311	3	#10-32x3/8 Rd. Hd. Sc.
X-1470	1	BALL BRG.- S.A.E. #202

Miscellaneous Parts

GAS-168	2	T. C. Regulator Spacer
GFD-1024	1	Head Band Assembly
TC-4303B	1	TWO CHARGE REGULATOR
X-196	4	#10 Lock Washer
8X-311	4	#10-32x3/8 Rd. Hd. Screw
X-714	1	#10-32x1 1/2 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 7-2-41)

† SERVICE BRUSH SET GEM-2012S.

UNIT	APPLICATION
GFD-4802	Aircooled Motors

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GFE-4801 GENERATOR PARTS LIST GFE-4801

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GFE-3001)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term., Outer
GAL-44	1	Insulation, Field Connection
GBW-34	1	Washer, Ins., Field Term., Outer
GBW-66	1	Insulation, Arm. Terminal, Inner
GBW-67	1	Insulation, Field Terminal, Inner
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Field Term.
GDS-30	1	Lead Assy.
GAA-27	1	Post, Arm. Terminal, #14-24
X-1611	1	Terminal
GFE-2005	1	Coil Assy., Field, Comp.
GBW-58	1	Post, Field Terminal, #10-32
GFE-1007	1	Coil Assy., Field, Left
X-959	1	Terminal
GFE-1008	1	Coil, Field, Right
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel, Head Locating
8X-140	1	Nut, Field Ground, Hex., #6-32
5X-177	2	Nut, Arm. Term., Hex., #14-24
X-193	2	Washer, Lock, Arm. Term., #14
X-194	1	Washer, Lock, Field Ground, #6
X-196	2	Washer, Lock, Field Term., #10
8X-349	1	Washer, Plain, Field Term., #10
8X-361	1	Washer, Plain, Arm. Term., 1/4
5X-1377	2	Nut, Field Term., Hex., #10-32
8X-1420	1	Screw, Field Ground, Flat hd., #6-32x9/16
MW-20A	2	Bolt, Thru
X-196	1	Washer, Lock, Ground Sc., #10
X-199	2	Washer, Lock, Thru Bolt, 1/4
X-321	1	Screw, Ground, Rd. hd., #10-32x5/16

Comm. End Head Assembly & Parts Used With

(GFE-3002)	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBM-1012‡	2	Brush
GBW-69	1	Gasket, C.E. Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GBW-1068	1	Cover, Comm. End
		1 2 3 4 5

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
GFE-1002A	1	Head Assy., Partial, C.E.
GAR-219	2	Arm, Brush
GAR-221	2	Spring, Brush
GBF-79	1	Bearing, Absorbent Bronze
X-195	4	Washer, Lock, C.E. Cover, #8
8X-888	4	Screw, C.E. Cover, Fil. hd., #8-32x5/16
X-195	2	Washer, Lock, Brush Lead, #8
8X-305	2	Screw, Brush Lead, Rd. hd., #8-32x1/4

Armature Assembly & Parts Used With

GBM-2084F	1	Armature Assy.
GAR-171	1	Snap Ring
GJ-104	1	Spacer, Armature Shaft
SP-442	1	Pulley, Drive
X-161	1	Nut, Armature Shaft, Hex., 1/2-20
X-264	1	Key, Woodruff, #9
X-541	1	Washer, Lock, Shaft, 1/2

Drive End Head Assembly & Parts Used With

GCZ-1003	1	Head Assy., Drive End
GCZ-3	1	Head
GG-6	2	Retainer, Bearing
GG-164	1	Washer, Felt
GK-176	1	Retainer, Felt Washer
8X-173	3	Nut, Retainer Screw, Hex., #10-32
X-196	3	Washer, Lock, Retainer Sc., #10
X-295	1	Bearing, Ball, S.A.E. #203
8X-316	3	Screw, Retainer, Rd. hd., #10-32x3/4
X-489	1	Oiler, Hinge Top, Press in, 1/4

Miscellaneous Parts

GAL-1024B	1	Band, Cover
VAA-4001	1	Regulator
8X-308	1	Screw, Cover Band, Rd. hd., #10-32x1 3/8
8X-794	1	Nut, Cover Band, Square, #10-32
X-879	3	Screw, Regulator Mtg., Fil. hd., 1/4-20x5/8
X-1272	3	Washer, Skpf., Regulator Mtg., 1/4
		1 2 3 4 5

(Issued 3-15-44)

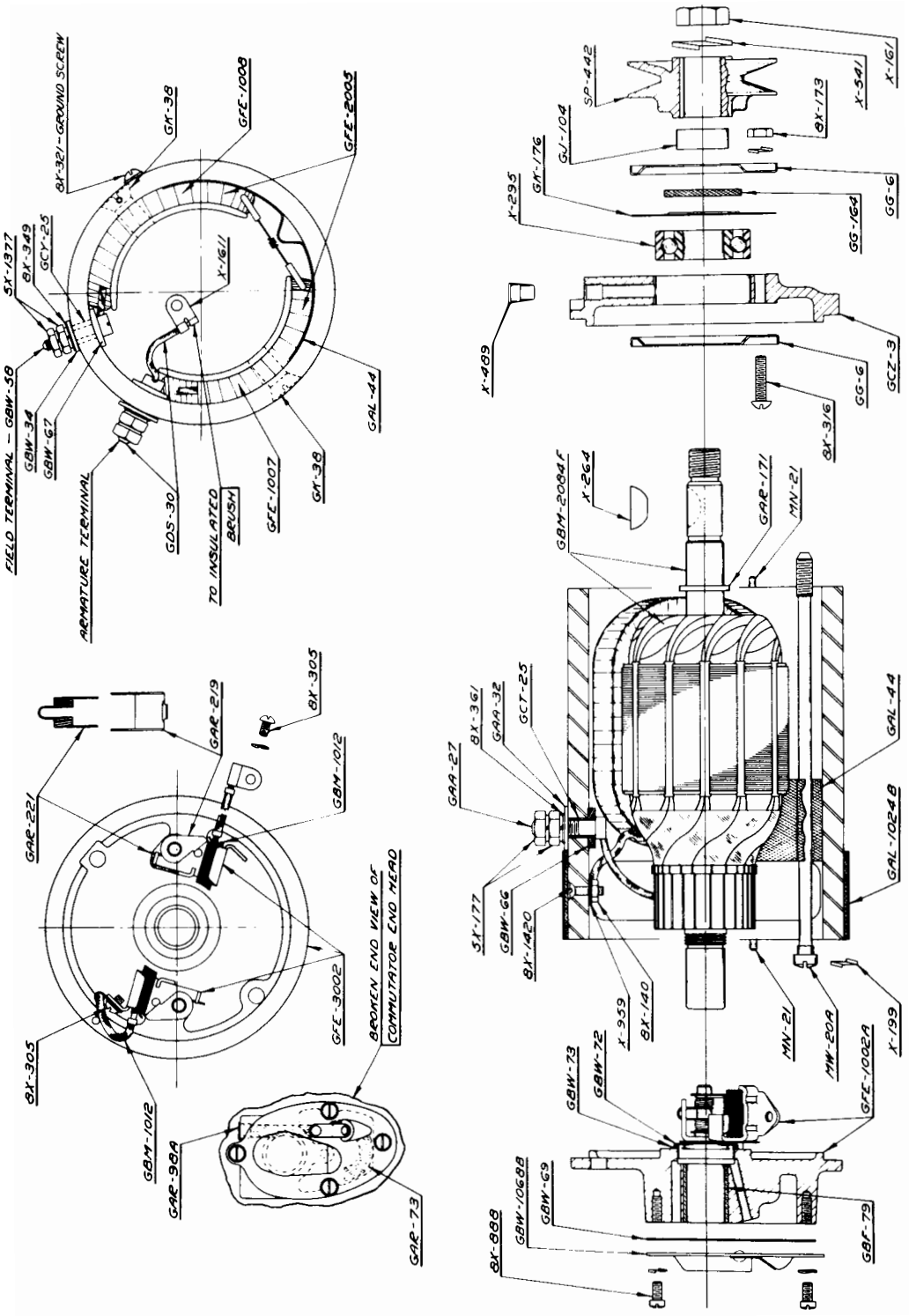
‡ Brush Set, Service, GBM-1012S.

Printed in U. S. A. 7/3

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

File in Equipment & Parts List Binder

GFE-4801 GENERATOR ILLUSTRATION



GFE-4802A GENERATOR PARTS LIST

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GFE-2025)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term., Outer
GAL-44	1	Insulation, Field Connection
GBW-34	1	Washer, Ins., Field Term., Outer
GBW-66	1	Insulation, Arm. Term., Inner
GBW-67	1	Insulation, Field Term., Inner
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Field Term.
GDS-30	1	Lead Assy.
GAA-27	1	Stud, Arm. Term., #14-24
X-1611	1	Terminal
GFE-2005	1	COIL ASSY., FIELD, COMPLETE
GEB-58	1	Stud, Field Term., #10-32
GFE-1007	1	Coil Assy., Field, Left
X-959	1	Terminal
GFE-1008	1	Coil, Field, Right
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
8X-140	1	Nut, Field Ground, Hex. #6-32
8X-177	2	Nut, Arm. Term., Hex. #14-24
X-193	2	Lockwasher, Arm. Term., #14
X-194	1	Lockwasher, Field Grd., #6
X-196	2	Lockwasher, Field Term., #10
8X-349	1	Washer, Field Term., Plain #10
8X-361	1	Washer, Arm. Term., Plain 1/4
8X-1377	2	Nut, Field Term., Hex. #10-32
8X-1420	1	Screw, Field Grd., Flat Hd. #6-32x9/16
MW-20A	2	Bolt, Thru
12X-196	1	Lockwasher, Grd. Screw, #10
12X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Grd., Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

GFE-2032	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBM-1012*	2	Brush
GBW-69	1	Gasket, C.E. Cover

Comm. End Head Assembly & Parts (Cont'd.)

Part No.	No. Used	Name of Part
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GBW-1068	1	Cover, Comm. End
GFE-1032A	1	Head Assy., Partial, C.E.
GAR-219	2	Arm, Brush
GAR-221	2	Spring, Brush
GBF-79	1	BEARING, ABSORBENT BRONZE
12X-195	4	Lockwasher, Cover Sc., #8
8X-888	4	Screw, Cover Fill. Hd. #8-32x5/16
12X-195	2	Lockwasher, Brush Lead Sc., #8
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

GBM-2084F	1	ARMATURE ASSY.
GAR-171	1	Snap Ring
GJ-104	1	Spacer, Arm. Shaft
SP-442	1	Pulley, Drive
X-161	1	Nut, Armature Shaft
X-264	1	Key, Woodruff, #9
12X-541	1	Lockwasher, Shaft, 1/2

Drive End Head Assembly & Parts Used With

GFE-1003	1	Head Assy., Drive End
GFE-3	1	Head, Drive End
GG-6	2	Retainer, Bearing
GG-164	1	Washer, Felt
GK-176	1	Retainer, Felt Washer
8X-173	3	Nut, Retainer Screw, Hex. #10-32
X-196	3	Lockwasher, Retainer Screw, #10
X-295	1	BEARING, BALL, S.A.E. #203
8X-316	3	Screw, Retainer, Rd. Hd. #10-32x3/4
X-489	1	Oiler

Miscellaneous Parts

GAL-1024B	1	Band, Cover
GAS-117	1	Lead Assy., Field Term.
X-755	2	Terminal
GBF-143	1	Lead Assy., Ground
X-755	2	Terminal
GFE-30	1	Lead Assy., Arm. Term.
X-755	1	Terminal
X-1628	1	Terminal

(Continued on Reverse Side)

Printed in U. S. A.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GFE-4802A GENERATOR PARTS LIST (Cont'd.)

Miscellaneous Parts (Cont'd.)

Part No.	No. Used	Name of Part
VAA-4103	1	REGULATOR, VOLTAGE
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32
X-879	3	Screw, Regulator Mtg. Fill. Hd. 1/4-20x5/8
X-1272	3	Washer, Mtg. Sc., Skpf. #10

* BRUSH SET, SERVICE GBM-1012S.

UNIT	APPLICATION
GFE-4802A	Fairbanks Morse

(Issued 4-14-50)

Printed in U. S. A.

File in
Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GFE-4803 GENERATOR PARTS LIST

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GFE-2026)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term., Outer
GAL-44	1	Insulation, Field Connection
GBW-34	1	Washer, Ins., Field Term., Outer
GBW-66	1	Insulation, Arm. Term., Inner
GBW-67	1	Insulation, Field Term., Inner
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Field Term.
GDS-30	1	Lead Assembly
GAA-27	1	Stud, Arm. Term., #14-24
X-1611	1	Terminal
GFE-2005	1	COIL ASSY., FIELD, COMPLETE
GEB-58	1	Stud, Field Term., #10-32
GFE-1007	1	Coil Assy., Field, Left
X-959	1	Terminal
GFE-1008	1	Coil, Field, Right
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
8X-140	1	Nut, Field Ground, Hex. #6-32
8X-177	2	Nut, Arm. Term., Hex. #14-24
X-193	2	Lockwasher, Arm. Term., #14
X-194	1	Lockwasher, Grd. Sc., #6
X-196	2	Lockwasher, Field Term., #10
8X-349	1	Washer, Field Term., Plain #10
8X-361	1	Washer, Arm. Term., Plain 1/4
8X-1377	2	Nut, Field Term., Hex. #10-32
8X-1420	1	Screw, Field Grd., Flat Hd. #6-32x9/16
MW-20A	2	Bolt, Thru
12X-196	1	Lockwasher, Ground Sc., #10
12X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

GFE-2032	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBM-1012†	2	Brush
GBW-69	1	Gasket, C.E. Cover
GBW-72	1	Oil Guard

Comm. End Head Assembly & Parts (Cont'd.)

Part No.	No. Used	Name of Part
GBW-73	1	Gasket, Oil Guard
GBW-1068	1	Cover, Comm. End
GFE-1032A	1	Head Assy., Partial, C.E.
GAR-219	2	Arm, Brush
GAR-221	2	Spring, Brush
GBF-79	1	BEARING, ABS. BRONZE
12X-195	4	Lockwasher, Cover Sc., #8
8X-888	4	Screw, Cover, Fill. Hd. #8-32x5/16
12X-195	2	Lockwasher, Br. Lead Sc., #8
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

GBM-2084F	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GJ-104	1	Spacer, Armature Shaft
X-161	1	Nut, Arm. Shaft
X-264	1	Key, Woodruff, #9
12X-541	1	Lockwasher, Shaft 1/2

Drive End Head Assembly & Parts Used With

GFE-1003	1	Head Assy., Drive End
GFE-3	1	Head, Drive End
GG-6	2	Retainer, Bearing
GG-164	1	Washer, Felt
GK-176	1	Retainer, Felt Washer
8X-173	3	Nut, Retainer Sc., Hex. #10-32
X-196	3	Lockwasher, Retainer Sc., #10
X-295	1	BEARING, BALL, S.A.E. #203
8X-316	3	Screw, Retainer, Rd. Hd. #10-32x3/4
X-489	1	Oiler

Miscellaneous Parts

GAL-1024F	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GBM-1012S.

NOTE: VAA-4102 VOLTAGE REGULATOR used with but is not a part of this Generator.

UNIT	APPLICATION
GFE-4803	Fairmont Rwy.

(Issued 4-14-50)

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GFE-2042)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term., Outer
GAL-44	1	Insulation, Field Connection
GBW-34	2	Washer, Ins., Field Term., Outer
GBW-66	1	Insulation, Arm. Term., Inner
GBW-67	2	Insulation, Field Term., Inner
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Field Term.
GDS-30	1	Lead Assembly
GAA-27	1	Stud, Arm. Term., #14-24
X-1611	1	Terminal
GFE-2005B	1	COIL ASSY., FIELD, COMPLETE
GEB-58	2	Stud, Field Term., #10-32
GFE-1007B	1	Coil, Field, Left
GFE-1008	1	Coil, Field, Right
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term., Hex. #14-24
12X-193	2	Lockwasher, Arm. Term., #14
12X-196	4	Lockwasher, Field Term.,#10
8X-349	2	Washer, Plain, Field Term., #10
8X-361	1	Washer, Plain, Arm. Term., 1/4
8X-1377	4	Nut, Field Term., Hex. #10-32
MW-20A	2	Bolt, Thru
12X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

GFE-2032	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBM-1012†	2	Brush
GBW-69	1	Gasket C.E. Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GBW-1068	1	Cover, Comm. End
GFE-1032A	1	Head Assy., Partial, C.E.
GAR-219	2	Arm, Brush
GAR-221	2	Spring, Brush
GBF-79	1	BEARING, ABS. BRONZE
12X-195	4	Lockwasher, Cover Screw, #8

Comm. End Head Assy. (Continued)

Part No.	No. Used	Name of Part
8X-888	4	Screw, Cover, Fill. Hd. #8-32x5/16
12X-195	2	Lockwasher, Brush Lead Sc., #8
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

GBM-2084F	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GJ-104	1	Spacer, Arm. Shaft
X-161	1	Nut, Shaft, Hex. 1/2-20
X-264	1	Key, Woodruff, #9
12X-541	1	Lockwasher, Shaft, 1/2

Drive End Head Assembly & Parts Used With

GFE-1041	1	Head Assy., Drive End
GFE-41	1	Head, Drive End
GG-6	2	Retainer, Bearing
GG-164	1	Washer, Felt
GK-176	1	Retainer, Felt Washer
8X-173	3	Nut, Retainer Screw, Hex. #10-32
12X-196	3	Lockwasher, Retainer Screw, #10
X-295	1	BEARING, BALL, S.A.E. #203
8X-316	3	Screw, Retainer, Rd. Hd. #10-32x3/4
X-489	1	Oiler

Miscellaneous Parts

GAL-1024F	1	Band, Cover
GFE-39	1	Lead Assembly
X-755	2	Terminal
GFE-40	1	Lead Assembly
X-755	1	Terminal
X-1628	1	Terminal
VAK-4002	1	VOLTAGE REGULATOR
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32
X-879	3	Screw, Regulator Mtg., Fill. Hd. 1/4-20x5/8
X-1272	3	Washer, Reg. Mtg. Sc., Skpf. 1/4

† BRUSH SET, SERVICE GBM-1012S.

UNIT	APPLICATION
GFE-4804	Fairmont Rwy.

(Issued 4-1-49)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-151	2	Frame Screw
(GFF-2253)	1	Frame & Field Assy.
GAS-40	2	Ins. Washer - Special
GAS-41	2	Insulating Bushing
GAS-44	1	Field Connection Ins.
GBF-55	2	Insulating Washer
GEM-29	2	Pole Piece
GFF-1005	1	FIELD COIL ASSY.-Comp.
GBF-36	2	Terminal Post
GFF-30	1	Lead Assembly
X-1423	1	Terminal
GFF-1007	1	Field Coil - Left
GFF-1008	1	Field Coil - Right
MN-21	2	Dowel Pin
MZ-38	2	Pole Piece Screw
X-1274	4	3/16 Skpf. Washer
5X-1377	2	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
X-544	2	#10 Lock Washer
5X-1377	2	#10-32 Hex. Nut

Comm. End Head Assembly & Parts Used With

GAS-69	1	Comm. End Cap Cover
GAS-70	1	End Cap Cover Gasket
GAS-71	1	Bearing Retaining Washer
GAS-77	1	Felt Washer
GAS-78	1	Felt Washer Retainer
(GFF-2002A)	1	Comm. End Head Assy.
GFF-2A	1	Comm. End Plate
GFF-2021R	1	Brush Holder Plate Assembly
GAL-31	1	Ground Connector Assembly
X-958	2	Terminal
GAS-15	2	Brush Holder
GAS-17	1	Brush Spring
GAS-18	1	Brush Spring
GAS-1021R	1	Brush Holder Plate Part Assembly
GFF-12†	2	Brush - Main
8X-122	2	#8-32x1/2 Fill.Hd.Sc.
X-1275	2	#8 Skpf. Washer
8X-55	3	#8-32x3/8 Rd. Hd. Sc.
X-195	3	#8 Lock Washer
X-489	1	1/4 Oiler-Press in Type
IA-175	1	Flat Steel Washer
8X-61	1	#10-32x7/16 Flat Hd. Sc.
X-63	3	#8-32x3/8 Flat Hd. Screw
X-293	1	BALL BRG. - S.A.E. #201
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-152	1	Oil Thrower
GDE-2153	1	ARMATURE ASSEMBLY
GAS-53	1	Snap Ring
IA-158	1	Snap Ring
X-160	1	7/16-20 Hex. Nut
X-1278	1	7/16 Skpf. Washer
X-1460	1	#212 Woodruff Key

Drive End Head Assembly & Parts Used With

GAS-150	1	Drive End Head Gasket
GAS-1154	1	Drive End Head Assy.
GAS-154	1	Drive End Head
GAS-155	1	Bearing Retainer
GAS-156	1	Gasket
GG-164	1	Felt Washer
X-196	3	#10 Lock Washer
8X-311	3	#10-32x3/8 Rd. Hd. Sc.
X-1470	1	BALL BRG. - S.A.E. #202

Miscellaneous Parts

GAS-24E	1	Head Band
X-714	1	#10-32x1 1/2 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 12-3-41)

† Service BRUSH SET GFF-1012S.

NOTE:- VAB-4001A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator

UNIT	APPLICATION
GFF-4101	Galion Iron Works

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-20A	2	Frame Screw
(GFF-2257)	1	Frame & Field Assy.
GAS-40	2	Ins. Washer - Special
GAS-41	2	Insulating Bushing
GAS-44	1	Field Connection Ins.
GBF-55	2	Insulating Washer
GEM-29	2	Pole Piece
GFF-1005	1	FIELD COIL ASSY.-Comp.
GBF-36	2	Terminal Post
GFF-30	1	Lead Assembly
X-1423	1	Terminal
GFF-1007	1	Field Coil - Left
GFF-1008	1	Field Coil - Right
MN-21	2	Dowel Pin
MZ-38	2	Pole Piece Screw
X-1274	4	3/16 Skpf. Washer
5X-1377	2	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Sc.
X-544	2	#10 Lock Washer
8X-1377	2	#10-32 Hex. Nut

Comm. End Head Assembly & Parts Used With

GAS-69A	1	Comm. End Cap Cover
GAS-70	1	End Cap Cover Gasket
GAS-71	1	Bearing Retaining Washer
GAS-77	1	Felt Washer
GAS-78	1	Felt Washer Retainer
(GFF-2002A)	1	Comm. End Head Assy.
GFF-2A	1	Comm. End Head
GFF-2021R	1	Brush Holder Plate Assembly
GAL-31	1	Ground Connector Assembly
X-958	2	Terminal
GAS-15	2	Brush Holder
GAS-17	1	Brush Spring
GAS-18	1	Brush Spring
GAS-1021R	1	Brush Holder Plate Part Assy.
GFF-12†	2	Brush - Main
8X-122	2	#8-32x1/2 Fill.Hd.Sc.
X-1275	2	#8 Skpf. Washer
8X-55	3	#8-32x3/8 Rd. Hd. Sc.
X-195	3	#8 Lock Washer
X-489	1	1/4 Oiler-Press in Type
IA-175	1	Flat Steel Washer
8X-61	1	#10-32x7/16 Flat Hd. Sc.
8X-63	3	#8-32x3/8 Flat Hd. Screw
X-293	1	BALL BRG. - S.A.E. #201
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GDE-2076	1	ARMATURE ASSEMBLY
GAS-53	1	Snap Ring
IA-158	1	Snap Ring
8X-160	1	7/16-20 Hex. Nut
X-1278	1	7/16 Skpf. Washer
X-1460	1	#212 Woodruff Key

Drive End Head Assembly & Parts Used With

GAS-1075E	1	Drive End Head Assy.
DB-13	1	Flat Felt Guard
GAS-73	1	Cupped Felt Guard
GAS-74	1	Bearing Retainer
GAS-75B	1	Drive End Head
IGP-34	1	Felt Wick
SC-127	1	Felt Washer
8X-55	3	#8-32x3/8 Rd. Hd. Screw
X-195	3	#8 Lock Washer
X-294	1	BALL BRG. - S.A.E. #202
X-489	1	1/4 Oiler-Press in Type

Miscellaneous Parts

GAS-24F	1	Head Band
8X-714	1	#10-32x1 1/2 Rd. Hd. Sc.
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 12-3-41)

† Service BRUSH SET GFF-1012S.

NOTE:- VAB-4002A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GFF-4102	Indian Motocycle

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DK-23B	2	Frame Screw
(GFG-2031)	1	Frame & Field Assembly
GAA-30	1	Terminal Post Bottom Ins.
GAA-32	1	Terminal Post Top Ins.
GAL-44	1	Field Connection Ins.
GCT-25	1	Insulating Bushing
GDU-31	1	Lead Assembly
GAA-27	1	Terminal Post
X-947	1	Terminal
GET-29	2	Pole Piece
GFG-1005	1	FIELD COIL ASSY.- Comp.
GFG-1007	1	Field Coil Assy.-Left
X-946	1	Terminal
GFG-1008	1	Field Coil Assy.-Right
X-959	1	Terminal
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
8X-140	1	#6-32 Hex. Nut
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-194	1	#6 Lock Washer
8X-361	1	1/4 Plain Washer
8X-1008	1	#6-32x9/16 Rd. Hd. Screw
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	1	#10 Lock Washer
X-203	2	5/16 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw

Comm. End Plate Assembly & Parts Used With

GCX-39	1	Ground Spring
(GFG-2033)	1	Comm. End Plate Assembly
GAL-12†	2	Brush - Main
GAL-199	2	Brush Screw Block
GAL-205	2	3rd Br. Plate Retaining Spring
GAL-242	2	Brush Holder
GCX-19	2	Brush Spring
GCX-2037A	1	3rd Br. Holder Plate Assembly
GAL-199	1	Brush Screw Block
GAL-242	1	Brush Holder
GAR-13†	1	Brush - Third
GCX-19	1	Brush Spring
GCX-1037	1	3rd Br. Plate Part Assembly
8X-59	1	#8-32x3/16 Rd. Hd. Sc.
X-1276	1	#8 Skpf. Washer
8X-1505	1	#8-32x9/16 Bdg. Hd.Sc.
GDU-30	1	Lead Assembly
X-958	2	Terminal
GET-1033	1	C. E. Plate Part Assy.
8X-59	2	#8-32x3/16 Rd. Hd. Screw
8X-63	2	#8-32x3/8 Flat Hd. Screw
X-195	2	#8 Lock Washer
8X-304	1	#8-32x5/16 Rd. Hd. Screw
X-1276	1	#8 Skpf. Washer
8X-1505	2	#8-32x9/16 Bdg. Hd. Sc.
X-1502	1	BALL BEARING - Oil Seal
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Armature Shaft Nut
GCX-23	1	Armature Shaft Spacer
GFG-2032	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GET-1034	1	Drive End Head Assembly
GET-34	1	Drive End Head
GG-6	2	Bearing Retainer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
8X-316	3	#10-32x3/4 Rd. Hd. Sc.
X-1501	1	BALL BRG.- Oil Seal

Miscellaneous Parts

GET-24A	1	Head Band
8X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 7-2-41)

† SERVICE BRUSH SET GAL-2012A.

NOTE:- CBK-4001 CIRCUIT BREAKER is used with but is not a part of this generator.

UNIT	APPLICATION
GFG-4501	Parris Dunn

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GFH-2051)	1	Frame & Field Assembly
GAL-44	1	Field Connection Ins.
GAR-211	1	Insulating Bushing
GDS-29	2	Pole Piece
GFH-1005	1	FIELD COIL ASSY.- Comp.
GFH-1007	1	Field Coil Assy.-Left
GAL-298	1	C. B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GFH-1008	1	Field Coil Assy.-Right
X-767	1	Terminal
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
GK-20	2	Frame Screw
X-199	2	1/4 Lock Washer

Comm. End Plate Assembly & Parts Used With

(GCJ-2107)	1	Comm. End Plate Assembly
GAR-73	1	Oil Wick
GAR-98A	1	Wick Cover
GBW-30B	1	Comm. End Cap Cover
GBW-69	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GCJ-51	1	3rd Brush Plate Retaining Spring
GCJ-1014	1	3rd Brush Plate Assembly
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
GCJ-1107A	1	C. E. Plate Part Assy.
GBF-79	1	ABSORBENT BRONZE BRG.
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
GCJ-1023R	1	Grounded Brush Holder Assembly
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
X-195	2	#8 Lock Washer
8X-304	2	#8-32x5/16 Rd. Hd. Sc.
GDF-1012‡	2	Brush - Main
GDF-1013‡	1	Brush - Third
X-195	5	#8 Lock Washer
8X-311	1	#10-32x3/8 Rd. Hd. Screw
X-489	1	1/4 Oiler - Press in Type
8X-888	4	#8-32x5/16 Fill. Hd. Sc.
8X-1507	1	#8-32x1/4 Bdg. Hd. Screw
X-195	2	#8 Lock Washer
8X-305	2	#8-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCJ-2006F	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GR-32	1	Felt Washer Retainer
SP-357	1	Armature Shaft Nut
SP-460	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GBJ-1003C	1	Drive End Head Assembly
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GBJ-3C	1	Drive End Head
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	BALL BRG.- S.A.E. #203
X-489	1	1/4 Oiler - Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Screw

Miscellaneous Parts

GBW-1024A	1	Head Band Assembly
TC-4323C	1	TWO CHARGE REGULATOR
X-196	4	#10 Lock Washer
8X-321	4	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 10-2-41)

‡ SERVICE BRUSH SET GDF-2012S.

UNIT	APPLICATION
GFH-4801A	Motor Generator Corp.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GFH-2045)	1	Frame & Field Assy.
GAL-44	1	Field Connection Ins.
GAR-211	1	Insulating Bushing
GDS-29	2	Pole Piece
GFH-1005	1	FIELD COIL ASSY.-Comp.
GFH-1007	1	Field Coil Assy.-Left
GAL-298	1	C.B. Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GFH-1008	1	Field Coil Assy. Right
X-767	1	Terminal
GK-38	2	Pole Piece Screw
MN-21	2	Dowel Pin
GK-20	2	Frame Screw
X-199	2	1/4 Lock Washer

Comm. End Head Assembly & Parts Used With

(GCJ-2107)	1	Comm. End Head Assy.
GAR-73	1	Oil Wick
GAR-98A	1	Wick Cover
GBW-30B	1	Comm. End Cap Cover
GBW-69	1	Gasket
GBW-72	1	Oil Guard
GBW-73	1	Oil Retaining Gasket
GCJ-51	1	3rd Brush Plate Retaining Spring
GCJ-1014	1	3rd Brush Plate Assy.
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
GCJ-1107A	1	C.E. Head Part Assy.
GBF-79	1	ABSORBENT BRONZE BEARING
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
GCJ-1023R	1	Grounded Brush Holder Assy.
GBW-45	1	Brush Spring
GCJ-26	1	Brush Arm
X-195	2	#8 Lock Washer
8X-304	2	#8-32x5/16 Rd.Hd.Sc.
GDF-1012†	2	Brush - Main
GDF-1013†	1	Brush - Third
X-195	5	#8 Lock Washer
8X-311	1	#10-32x3/8 Rd. Hd. Sc.
X-489	1	1/4 Oiler-Press in Type
8X-888	4	#8-32x5/16 Fill.Hd.Sc.
8X-1507	1	#8-32x1/4 Bdg. Hd. Sc.
X-195	2	#8 Lock Washer
8X-305	2	#8-32x1/4 Rd. Hd. Screw
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCJ-2006F	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GR-32	1	Felt Washer Retainer
SP-357	1	Armature Shaft Nut
SP-460	1	Drive Pulley
X-260	1	#5 Woodruff Key
X-864	1	.669 Lock Washer

Drive End Head Assembly & Parts Used With

GBJ-1003C	1	Drive End Head Assy.
GAR-63	2	Felt Guard
GAR-64	2	Bearing Retainer
GBJ-3C	1	Drive End Head
GG-164	2	Felt Washer
8X-173	3	#10-32 Hex. Nut
X-196	3	#10 Lock Washer
X-295	1	BALL BRG. - S.A.E. #203
X-489	1	1/4 Oiler-Press in Type
8X-1003	3	#10-32x7/8 Rd. Hd. Screw

Miscellaneous Parts

GBW-1024A	1	Head Band Assy.
TC-4323C	1	TWO CHARGE REGULATOR
X-196	4	#10 Lock Washer
8X-321	4	#10-32x5/16 Rd. Hd. Screw
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
SX-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 12-3-41)

† Service BRUSH SET GDF-2012S.

UNIT	APPLICATION
GFH-4802A	Hercules

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GCD-3022)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term.
GAU-45	1	Insulation, Field Connection
GBW-34	1	Washer, Ins., Field Term.
GBW-66	1	Insulation, Arm. Term., Inner
GBW-67	1	Insulation, Field Term., Inner
GBY-38A	4	Screw, Pole Shoe
GCD-23	1	Bracket, Mounting
GCD-2005	1	COIL ASSY., FIELD, COMPLETE
GCD-1007A	1	Coil Assy., Field, Left
GCD-25	1	Lead Assembly
GCE-34	1	Stud, Arm. Term., #14-24
X-1425	1	Terminal
GCE-27	1	Stud, Field Term., #10-32
GCD-1008A	1	Coil Assy., Field, Right
IG-821	1	Terminal
GDD-27	1	Bushing, Ins., Field Term.
GDD-28	1	Bushing, Ins., Arm. Term.
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term., Hex. #14-24
X-193	2	Lockwasher, Arm. Term., #14
X-196	2	Lockwasher, Field Term., #10
8X-349	1	Washer, Field Term., Plain #10
8X-361	1	Washer, Arm. Term., Plain 1/4
8X-1377	2	Nut, Field Term., Hex. #10-32
X-1579	4	Screw, Mtg. Bracket, Flat Hd. 5/16-24x5/8
GAA-20	2	Bolt, Thru
8X-159	2	Nut, Thru Bolt, Hex. 3/8-24
12X-196	1	Lockwasher, Ground Sc., #10
12X-201	2	Lockwasher, Thru Bolt, 3/8
8X-321	1	Screw, Ground, Rd. Hd . #10-32x5/16

Comm. End Head Assembly & Parts Used With

DB-17	2	Washer, Plain, Felt Retaining
DD-44	1	Gasket, C.E. Cover
GBY-28	1	Washer, Felt
GCD-27A	1	Cover, Comm. End
GCD-28	1	Washer, Felt

Comm. End Head Assembly & Parts Used With

Part No.	No. Used	Name of Part
GCD-30	1	Deflector, Air
GCD-3053	1	Head Assy., Comm. End
GBY-25	2	Spring, Brush
GBY-34	2	Arm, Brush
GBY-1012†	2	Brush
8X-66	3	Screw, Air Deflector, Flat Hd. #10-32x1/2
12X-195	2	Lockwasher, Br. Lead Sc., #8
8X-305	2	Screw, Br. Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler
8X-726	3	Screw, C.E. Cover, Bdg. Hd. #10-32x7/16
X-867	1	BEARING, BALL, SHIELDED, S.A.E. #303
X-1270	3	Washer, Cover Screw, Skpf. #10
X-1621	3	Washer, Deflector Screw, Skpf. #10

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm. Shaft, C.E.
GFJ-21	1	Spacer, Armature Shaft
GFJ-2057F	1	ARMATURE
SP-136	1	Fan, Ventilating
X-260	1	Key, Woodruff #5
12X-864	1	Lockwasher, Arm. Shaft
X-1177	1	Washer, Arm. Shaft, Skpf. 5/8
X-1178	1	Nut, Arm. Shaft, D.E.

Drive End Head Assembly & Parts Used With

GCD-1015	1	Head Assy., Drive End
DG-72	2	Retainer, Bearing
DG-74	2	Retainer, Felt Washer
G-118	2	Washer, Felt
GCD-15	1	Head, Drive End
8X-173	3	Nut, Hex. #10-32
X-196	3	Lockwasher, Retainer Sc., #10
X-300	1	BEARING, BALL, S.A.E. #205
8X-306	3	Screw, Retainer, Rd. Hd. #10-32x1
X-489	1	Oiler

Miscellaneous Parts

GCD-24	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

(Continued on Reverse Side)

Printed in U. S. A.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

NOTE: VRS-4002A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

† BRUSH SET, SERVICE GCD-2012S.

UNIT	APPLICATION
GFJ-4802	Manitowoc Shipbuilding Co.

(Issued 4-14-50)

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GCD-3022)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term.
GAU-45	1	Insulation, Field Connection
GBW-34	1	Washer, Ins., Field Term.
GBW-66	1	Insulation, Arm. Term., Inner
GBW-67	1	Insulation, Field Term., Inner
GBY-38A	4	Screw, Pole Shoe
GCD-23	1	Bracket, Mounting
GCD-2005	1	COIL ASSY., FIELD, COMPLETE
GCD-1007A	1	Coil Assy., Field, Left
GCD-25	1	Lead Assembly
GCE-34	1	Stud, Arm. Term., #14-24
X-1425	1	Terminal
GCE-27	1	Stud, Field Term., #10-32
GCD-1008A	1	Coil Assy., Field, Right
IG-821	1	Terminal
GDD-27	1	Bushing, Ins., Field Term.
GDD-28	1	Bushing, Ins., Arm. Term.
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term., Hex. #14-24
X-193	2	Lockwasher, Arm. Term., #14
X-196	2	Lockwasher, Field Term., #10
8X-349	1	Washer, Field Term., Plain #10
8X-361	1	Washer, Arm. Term., Plain 1/4
8X-1377	2	Nut, Field Term., Hex. #10-32
X-1579	4	Screw, Mtg. Bracket, Flat Hd. 5/16-24x5/8
GAA-20	2	Bolt, Thru
8X-159	2	Nut, Thru Bolt, Hex. 3/8-24
12X-196	1	Lockwasher, Ground Sc., #10
12X-201	2	Lockwasher, Thru Bolt, 3/8
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

DB-17	2	Washer, Plain, Felt Retaining
DD-44	1	Gasket, C.E. Cover
GBY-28	1	Washer, Felt
GCD-27A	1	Cover, Comm. End
GCD-28	1	Washer, Felt

Comm. End Head Assembly & Parts Used With

Part No.	No. Used	Name of Part
GCD-30	1	Deflector, Air
GCD-3053	1	Head Assy., Comm. End
GBY-25	2	Spring, Brush
GBY-34	2	Arm, Brush
GBY-1012†	2	Brush
8X-66	3	Screw, Air Deflector, Flat Hd. #10-32x1/2
12X-195	2	Lockwasher, Br. Lead Sc., #8
8X-305	2	Screw, Br. Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler
8X-726	3	Screw, C.E. Cover, Bdg. Hd. #10-32x7/16
X-867	1	BEARING, BALL, SHIELDED, S.A.E. #303
X-1270	3	Washer, Cover Screw, Skpf. #10
X-1621	3	Washer, Deflector Screw, Skpf. #10

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm. Shaft, C.E.
GFJ-21	1	Spacer, Armature Shaft
GFJ-2057F	1	ARMATURE
SP-136	1	Fan, Ventilating
X-260	1	Key, Woodruff #5
12X-864	1	Lockwasher, Arm. Shaft
X-1177	1	Washer, Arm. Shaft, Skpf. 5/8
X-1178	1	Nut, Arm. Shaft, D.E.

Drive End Head Assembly & Parts Used With

GCD-1015	1	Head Assy., Drive End
DG-72	2	Retainer, Bearing
DG-74	2	Retainer, Felt Washer
G-118	2	Washer, Felt
GCD-15	1	Head, Drive End
8X-173	3	Nut, Hex. #10-32
X-196	3	Lockwasher, Retainer Sc., #10
X-300	1	BEARING, BALL, S.A.E. #205
8X-306	3	Screw, Retainer, Rd. Hd. #10-32x1
X-489	1	Oiler

Miscellaneous Parts

GCD-24	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

(Continued on Reverse Side)

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

NOTE: VRS-4002A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

† BRUSH SET, SERVICE GCD-2012S.

UNIT	APPLICATION
GFJ-4802	Manitowoc Shipbuilding Co.

(Issued 4-14-50)

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GFL-2053)	1	Frame & Field Assy.
GAA-32	2	Washer, Ins., Term. Stud,Outer
GBW-34	1	Washer, Ins., Field Term.,Outer
GCT-25	2	Bushing, Ins., Term. Stud
GCY-25	1	Bushing, Ins., Field Term.
GDZ-54	1	Insulation, Term. Stud, Inner
GFL-1005A	1	COIL ASSY., FIELD, COMP.
GBW-58	1	Stud, Field Term., #10-32
GEA-27	1	Stud, Arm. Term., #14-24
GEA-30B	1	Lead Assembly
X-847	1	Terminal
GFL-1007	1	Coil, Left
GFL-1008A	1	Coil Assy., Right
GCT-33	1	Lead Assembly
GAA-27	1	Stud, Arm. Term., #14-24
X-847	1	Terminal
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
8X-177	4	Nut, Term. Stud, Hex.,#14-24
12X-193	4	Lockwasher, Term. Stud, #14
12X-196	2	Lockwasher, Field Term., #10
8X-349	1	Washer, Plain, Field Term.,#10
8X-361	2	Washer, Plain, Term. Stud, 1/4
8X-1377	2	Nut, Field Term., Hex., #10-32
GY-20	2	Bolt, Thru
12X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

GFL-2052	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBW-69	1	Gasket, Comm. End Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Retaining
GBW-1068	1	Cover, Comm. End
GDZ-1052A	1	Head Assy., Partial, C.E.
GBF-79	1	BEARING, ABS. BRONZE
GBW-45	2	Spring, Brush
GCJ-26	2	Arm, Brush

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
GFL-1012†	2	Brush
12X-195	4	Lockwasher, C.E. Cover, #8
8X-888	4	Screw, C.E. Cover, Fil. Hd., #8-32x5/16
X-195	2	Lockwasher, Br. Lead Sc. #8
8X-305	2	Screw, Br. Lead, Rd. Hd., #8-32x1/4

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Armature Shaft
GFL-2094F	1	ARMATURE
X-263	1	Key, Woodruff, #8
12X-864	1	Lockwasher, Arm. Shaft

Drive End Head Assembly & Parts Used With

GDZ-1046	1	Head Assy., Drive End
GAR-178	2	Retainer, Bearing
GAR-179	2	Retainer, Felt Washer
GDZ-46	1	Head
GJ-147	2	Washer, Felt
8X-173	3	Nut, Bearing Retaining, Hex., #10-32
X-196	3	Lockwasher, Bearing Retaining, #10
X-298	1	BEARING, BALL, S.A.E. #204
8X-306	3	Screw, Brg. Retaining, Rd. Hd. #10-32x1
X-489	1	Oiler, Press in Type, 1/4

Miscellaneous Parts

GBW-24B	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd., #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square, #10-32
		1 2 3 4 5

† BRUSH SET, SERVICE GFL-2012S.

NOTE:- VRV-4102A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GFL-4802	R.H. Sheppard Co.

(Issued 8-19-47)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GFL-2053A	1	Frame & Field Assy.
GAA-32	2	Washer, Ins., Term. Stud
GBW-34	1	Washer, Ins., Field Term.
GCT-25	2	Bushing, Ins., Term. Stud
GCY-25	1	Bushing, Ins., Field Term.
GDZ-54	1	Insulation, Term. Stud, Inner
GFL-1005A	1	COIL ASSY., FIELD, COMPLETE
GEA-27	1	Stud, Arm. Term., #14-24
GEA-30B	1	Lead Assembly
X-847	1	Terminal
GEB-58	1	Stud, Field Term., #10-32
GFL-1007	1	Coil, Field, Left
GFL-1008A	1	Coil Assy., Field, Right
GCT-33	1	Lead Assy.
GAA-27	1	Stud, Arm. Term. #14-24
X-847	1	Terminal
GK-38	2	Screw Pole Shoe
MN-21	2	Pin, Dowel
8X-177	4	Nut, Term. Stud, Hex. #14-24
12X-196	2	Lockwasher, Field Term., #10
12X-199	4	Lockwasher, Term. Stud, 1/4
8X-349	1	Washer, Plain, Field Term., #10
8X-361	2	Washer, Plain, Term. Stud, 1/4
8X-1377	2	Nut, Field Term., Hex., #10-32
GY-20	2	Bolt, Thru
12X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

GFL-2012S	1	BRUSH SET, SERVICE
GFL-2056S	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBW-69	1	Gasket, C. E. Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GBW-1068	1	Cover, Comm. End
GDZ-1056A	1	Head Assy., Partial, C. E.
GBF-79	1	BEARING, ABS. BRONZE
GBW-45	2	Spring, Brush
GCJ-26	2	Arm, Brush

Comm. End Head Assy. (Cont.)

Part No.	No. Used	Name of Part
12X-195	4	Lockwasher, Cover Sc., #8
8X-888	4	Screw, Cover, Fill. Hd. #8-32x5/16
12X-195	2	Lockwasher, Lead Sc., #8
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm. Shaft, D. E.
GFL-2006F	1	ARMATURE ASSY.
GAR-171	1	Snap Ring
GR-32	1	Retainer, Felt Washer
*	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
12X-864	1	Lockwasher, Shaft, D. E.

Drive End Head Assembly & Parts Used With

GDZ-1003	1	Head Assy., Drive End
GAR-63	2	Retainer, Felt Washer
GAR-64	2	Retainer, Bearing
GDZ-3	1	Head, Drive End
GG-164	2	Washer, Felt
8X-173	3	Nut, Retainer Sc., Hex. #10-32
X-196	3	Lockwasher, Retainer Sc., #10
X-295	1	BEARING, BALL, S. A. E. #203
X-489	1	Oiler
8X-1003	3	Screw, Brg. Retainer, Rd. Hd. #10-32x7/8

Miscellaneous Parts

GBW-24B	1	Band, Cover
8X-714	1	Screw, Cover, Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

NOTE: * CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

* See table following parts list for part number applying to assembly wanted.

Assy. No.	Pulley	Regulator
GFL-4805A	SP-465B	VRV-4003C
GFL-4805B	SP-845	VRV-7001A

UNIT	APPLICATION
GFL-4805A	Buda Eng.
GFL-4805B	Hill Diesel

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GFL-4808 GENERATOR PARTS LIST

GFL-4808
(Issued 3-29-51)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GFL-2062)	1	Frame & Field Assy.
GAA-32	2	Washer, Ins., Term. Stud, Outer
GBW-34	1	Washer, Ins., Field Term. Outer
GCT-25	2	Bushing, Ins., Term. Stud
GCY-25	1	Bushing, Ins., Field Term.
GDZ-54	1	Insulation, Term. Stud, Inner
GFL-34BS	1	Bracket, Mounting
GFL-1005A	1	COIL ASSY., FIELD, COMPLETE
GEA-27	1	Stud, Arm. Term., #14-24
GEA-30B	1	Lead Assembly
X-847	1	Terminal
GEB-58	1	Stud, Field Term., #10-32
GFL-1007	1	Coil, Field, Left
GFL-1008A	1	Coil Assy., Right
GCT-33	1	Lead Assembly
GAA-27	1	Stud, Term., #14-24
X-847	1	Terminal
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
8X-177	4	Nut, Term. Stud, Hex. #14-24
12X-196	2	Lockwasher, Field Term., #10
12X-199	4	Lockwasher, Term. Stud, 1/4
8X-349	1	Washer, Plain, Field Term. #10
8X-361	2	Washer, Plain, Term. Stud, 1/4
X-1014	4	Lockwasher, Bracket Sc., 5/16
8X-1377	2	Nut, Field Term., Hex. #10-32
X-1683	4	Screw, Mtg. Bracket, Hex. Hd. 5/16-24x11/16
GY-20	2	Bolt, Thru
12X-199	2	Washer, Lock Thru Bolt 1/4

Comm. End Head Assembly & Parts Used With

GFL-2061	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBW-69	1	Gasket, C.E. Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Guard

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
GBW-1068	1	Cover, Comm. End
GDZ-1061A	1	Head Assy., Partial C.E.
GBF-79	1	BEARING, ABS. BRONZE
GBW-45	2	Spring, Brush
GCJ-26	2	Arm, Brush
GFL-1012†	2	Brush
12X-195	4	Lockwasher, Cover Sc., #8
8X-888	4	Screw, C.E. Cover, Fill. Hd. #8-32x5/16
12X-195	2	Lockwasher, Lead Sc., #8
8X-305	2	Screw, Br. Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm. Shaft, D.E.
GFL-2094F	1	ARMATURE
SP-712	1	Pulley, Drive
X-263	1	Key, Woodruff #8
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

GDZ-1025	1	Head Assy., Drive End
GAR-178A	2	Retainer, Bearing
GAR-179A	2	Retainer, Felt Washer
GDZ-25	1	Head, D.E.
GJ-147	2	Washer, Felt
8X-26	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1
12X-196	3	Lockwasher Retainer, Sc., #10
X-298	1	BEARING, BALL S.A.E. #204
X-489A	1	Oiler
8X-2853	3	Nut, Retainer Sc., Hex. #10-32

Miscellaneous Parts

GBW-24J	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GFL-2012S.

NOTE: VRV-4102A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GFL-4808	Buda

Printed in U. S. A.

File in
Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GFL-2001)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term., Outer
GBW-34	1	Washer, Ins., Field Term., Outer
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Field Term.
GEA-34	1	Insulation, Term. Stud, Inner
GFL-1005	1	COIL ASSY., FIELD, COMPLETE
GEA-27	1	Stud, Arm. Term., #14-24
GEA-30B	1	Lead Assembly
X-847	1	Terminal
GEB-58	1	Stud, Field Term., #10-32
GFL-1007	1	Coil, Field, Left
GFL-1008	1	Coil, Field, Right
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term., Hex. #14-24
12X-193	2	Lockwasher, Arm. Term., #14
12X-196	2	Lockwasher, Field Term., #10
8X-349	1	Washer, Plain, Field Term., #10
8X-361	1	Washer, Plain, Arm. Term., 1/4
8X-1377	2	Nut, Field Term., Hex. #10-32
GY-20	2	Bolt, Thru
12X-196	1	Lockwasher, Ground Sc., #10
12X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

GFL-2002B	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBW-69	1	Gasket, C.E. Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GBW-1068	1	Cover, Comm. End
GDZ-1002A	1	Head Assy., Partial, C.E.
GBF-79	1	BEARING, ABS. BRONZE
GBW-45	2	Spring, Brush
GCJ-26	2	Arm, Brush
GFL-1012 †	2	Brush
X-195	4	Lockwasher, Cover Sc., #8

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
8X-888	4	Screw, Cover, Fill. Hd. #8-32x5/16
12X-195	2	Lockwasher, Br. Lead Sc., #8
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm. Shaft, D.E.
GFL-2006F	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GR-32	1	Retainer, Felt Washer
SP-1310	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
12X-864	1	Lockwasher, Arm. Shaft, D.E.

Drive End Head Assembly & Parts Used With

GDZ-1003	1	Head Assy., Drive End
GAR-63	2	Retainer, Felt Washer
GAR-64	2	Retainer, Bearing
GDZ-3	1	Head, Drive End
GG-164	2	Washer, Felt
8X-173	3	Nut, Retainer Sc., Hex. #10-32
X-196	3	Lockwasher, Retainer Sc., #10
X-295	1	BEARING, BALL, S.A.E. #203
X-489	1	Oiler
8X-1003	3	Screw, Brg. Retainer, Rd. Hd. #10-32x7/8

Miscellaneous Parts

GBW-24B	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GFL-2012S.

NOTE: - VRV-4103A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GFL-4811A	Hobart Bros.

(Issued 6-28-49)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GFL-4812-1,A-1 GENERATOR PARTS LIST

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(*)	1	Frame & Field Assy.
GAA-32	2	Washer, Ins., Term. Stud, Outer
GBW-34	1	Washer, Ins., Field Term. Outer
GCT-25	2	Bushing, Ins., Term. Stud
GCY-25	1	Bushing, Ins., Field Term.
GDZ-54	1	Insulation, Term. Stud, Inner
*	1	Bracket, Gen. Mtg.
GFL-1005A	1	COIL ASSY., FIELD, COMPLETE
GEA-27	1	Stud, Arm. Term., #14-24
GEA-30B	1	Lead Assy.
X-847	1	Terminal
GEB-58	1	Stud, Field Term., #10-32
GFL-1007	1	Coil, Field, Left
GFL-1008A	1	Coil Assy., Field, Right
GCT-33	1	Lead Assy.
GAA-27	1	Stud, Arm. Term. #14-24
X-847	1	Terminal
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
8X-177	4	Nut, Term. Stud, Hex. #14-24
X-193	4	Lockwasher, Term. Stud, #14
12X-196	2	Lockwasher, Field Term., #10
8X-349	1	Washer, Plain, Field Term. #10
8X-361	2	Washer, Plain, Term. Stud, 1/4
*	4	Lockwasher, Brkt. Sc., 5/16
8X-1377	2	Nut, Field Term., Hex. #10-32
*	4	Screw, Mtg. Bracket, Hex. Hd. 5/16-24x11/16
GY-20	2	Bolt, Thru
12X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

GFL-3090S	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBW-69	1	Gasket, C.E. Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GBW-1068	1	Cover, Comm. End
GDZ-1090AS	1	Head Assy., Partial, C.E.
GBF-79	1	BEARING, ABS. BRONZE
GBW-45	2	Spring, Brush
GCJ-26	2	Arm, Brush
GFL-1012†	2	Brush
12X-195	4	Lockwasher, Cover Sc., #8
8X-888	4	Screw, Cover, Fill. Hd. #8-32x5/16
12X-195	2	Lockwasher, Br. Lead Sc., #8
8X-305	2	Screw, Br. Lead, Rd. Hd. #8-32x1/4

Comm. End Head Assembly & Parts Used With

Part No.	No. Used	Name of Part
8X-888	4	Screw, Cover, Fill. Hd. #8-32x5/16
12X-195	2	Lockwasher, Br. Lead Sc., #8
8X-305	2	Screw, Br. Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

GAL-310	1	Spacer, Arm. Shaft, D.E.
GFL-2097F	1	ARMATURE
GFY-38	1	Washer, Plain, Arm. Shaft, D.E.
X-263	1	Key, Woodruff, D.E., #8
X-404	1	Pin, Cotter, 3/32x1
X-835	1	Nut, Arm. Shaft, D.E.

Drive End Head Assembly & Parts Used With

GDF-1028	1	Head Assy., Drive End
DB-17	1	Washer, Felt Retaining
GAR-95	1	Washer, Felt, Inner
GBC-25	1	Retainer, Felt Washer, Inner
GDF-28	1	Head, Drive End
GG-164	1	Washer, Felt, Outer
GX-9	1	Retainer, Bearing
X-196	3	Lockwasher, Retainer Sc., #10
X-298	1	BEARING, BALL, S.A.E. #204
8X-311	3	Screw, Brg. Retainer, Rd. Hd. #10-32x3/8
X-489	1	Oiler

Miscellaneous Parts

GBW-24B	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GFL-2012S.

* See table following parts list for part number applying to assembly wanted.

NOTE: - VRV-4004A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

Assembly No.	Frame & Field Assy.	Bracket
GFL-4812-1	(GFL-3089)	GFL-34BS
GFL-4812A-1	(GFL-3089A)	None

Lockwasher	Screw
12X-1014	X-1683
None	None

UNIT	APPLICATION
GFL-4812-1, A-1	Venn Severin Co.

(Issued 6-28-49)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GFM-4801 GENERATOR PARTS LIST GFM-4801

PRELIMINARY

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part 1 2 3 4 5
GFM-4A	2	Cover Screw
GFM-7	1	Terminal Shield Cover
GFM-20	2	Frame Screw
GFM-1015	1	Terminal Shield Bracket
(GFM-2001)	1	Frame & Field Assy.
GAA-32	1	Term. Post Top Ins.
GAU-45	1	Field Connection Ins.
GBW-34	1	Insulating Washer
GBW-66	1	Term. Post Bottom Ins.
GBW-67	1	Term. Post Bottom Ins.
GBY-38A	2	Pole Piece Screw (29-32" Long)
GDD-27	1	Insulating Bushing
GDD-28	1	Insulating Bushing
GFM-29	2	Pole Piece
GFM-38	2	Pole Piece Screw (1 7/16" Long)
GFM-1005	1	FIELD COIL ASSY.-Comp.
GFM-1007	1	Field Coil Assy.-Top
GFM-25	1	Lead Assembly
GFM-26	1	Terminal Post-(#14-24)
X-847	1	Terminal
GFM-27	1	Terminal Post - (#10-32)
GFM-1008	1	Field Coil Assy.-Bottom
X-959	1	Terminal
MN-21	2	Dowel Pin
8X-140	1	#6-32 Hex. Nut
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-194	1	#6 Lock Washer
X-196	1	#10 Lock Washer
8X-349	1	#10 Plain Washer
8X-361	1	1/4 Plain Washer
8X-1008	1	#6-32x9/16 Rd. Hd. Sc.
8X-1377	1	#10-32 Hex. Nut
8X-177	1	#14-24 Hex. Nut
X-193	1	#14 Lock Washer
X-196	4	#10 Lock Washer
X-201	2	3/8 Lock Washer
8X-321	1	#10-32x5/16 Rd. Hd. Screw
8X-1377	1	#10-32 Hex. Nut
X-1521	2	Pole Piece Screw

Comm. End Head Assembly & Parts Used With

GFM-18A	1	Brush Screw
GFM-2002	1	Comm. End Head Assy.
GBY-25	2	Brush Spring
GBY-34	2	Brush Arm
GBY-1012†	2	Brush - Main
GFM-18A	1	Brush Screw
X-195	1	#8 Lock Washer
X-195	1	#8 Lock Washer
X-1637	1	BALL BEARING 1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part 1 2 3 4 5
GFM-2006F	1	ARMATURE ASSEMBLY
GK-174	1	1/2 Plain Washer
SP-485	*	Drive Pulley
SP-487	*	Drive Pulley
X-156	1	1/2-20 Castellated Nut
X-261	1	#6 Woodruff Key
X-404	1	3/32x1 Cotter Pin

Drive End Head Assembly & Parts Used With

GFM-1003	1	Drive End Head Assy.
GFM-3	1	Drive End Head
GFM-9	1	Bearing Retainer
GFM-17	3	Bearing Retainer Screw
X-1636	1	BALL BEARING

Miscellaneous Parts

GCD-24B	1	Head Band
GFM-4	1	Head Band Screw
X-794	1	#10-32 Square Nut 1 2 3 4 5

(Issued 12-3-41)

† Service BRUSH SET GCD-2012S.

* Use as required.

NOTE:- VRH-4105A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GFM-4801	Chrysler Corp.

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCD-20A	2	Bolt, Through
(GFP-2080)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term., Outer
GAU-45	1	Insulation, Field Connection
GBW-34	1	Washer, Ins., Field Term., Outer
GBW-66	1	Insulation, Arm. Term., Inner
GBW-67	1	Insulation, Field Term., Inner
GBY-38A	4	Screw, Pole Shoe
GDD-27	1	Bushing, Ins., Field Term.
GDD-28	1	Bushing, Ins., Arm. Term.
GDT-1005A	1	Coil Assy., Field, Comp.
GDT-1007A	1	Coil Assy., Field, Left
GCD-79	1	Lead Assy.
X-847	1	Terminal
GCE-34	1	Stud, Arm. Term., #14-24
GDT-1008A	1	Coil Assy., Field, Right
GEB-58	1	Stud, Field Term., #10-32
MN-21	2	Pin, Dowel, Head Locating
8X-177	2	Nut, Arm. Term., Hex., #14-24
12X-193	2	Washer, Lock, Arm. Term., #14
12X-196	2	Washer, Lock, Field Term., #10
8X-349	1	Washer, Plain, Field Term., #10
8X-361	1	Washer, Plain, Arm. Term., 1/4
8X-1377	2	Nut, Field Term., Hex., #10-32
8X-159	2	Nut, Through Bolt, Hex., 3/8-24
12X-196	1	Washer, Lock, Ground Screw, #10
12X-201	2	Washer, Lock, Thru Bolt, 3/8
8X-321	1	Screw, Ground, Rd. hd., #10-32x5/16

Comm. End Head Assembly & Parts Used With

DA-22	1	Washer, Plain, Brg. Retaining
DA-60	1	Screw, Retaining, C.E. Brg.
DB-17	1	Washer, Plain, Felt Retaining
DD-24C	1	Cover, Comm. End
DD-44	1	Gasket, C.E. Cover
GBY-28	1	Washer, Felt
GFP-2002	1	Head Assy., Comm. End
GBY-25	2	Spring, Brush
GBY-34	2	Arm, Brush
GBY-1012†	2	Brush
8X-119	3	Screw, Attaching, Cover, Fil. Hd., #10-32x1/2

Comm. End Head Assembly (Con't.)

Part No.	No. Used	Name of Part
		1 2 3 4 5
X-195	2	Washer, Lock, Brush Lead, #8
X-199	1	Washer, Lock, Brg. Retaining Sc.
8X-305	2	Screw, Brush Lead, Rd. hd., #8-32x1/4
X-489	1	Oiler, Hinge Top, Press in, 1/4
12X-544	3	Washer, Lock, Cover Holding Sc.
X-867	1	Bearing, Ball, Shielded, S.A.E. #303

Armature Assembly & Parts Used With

GBM-21	1	Nut, Armature Shaft, Hex., .669-20
GFP-2031F	1	Armature
*	1	Pulley, Drive
X-263	1	Key, Woodruff, #8
X-864	1	Washer, Lock, Arm. Shaft, .669

Drive End Head Assembly & Parts Used With

GFP-1003	1	Head Assy., Drive End
GAB-188	2	Washer, Felt
GAR-179	2	Retainer, Felt Washer
GBY-27	2	Retainer, Bearing
GFP-3	1	Head
8X-173	3	Nut, Brg. Retainer, Hex., #10-32
X-196	3	Washer, Lock, Brg. Retainer, #10
8X-306	3	Screw, Brg. Retainer, Rd. hd., #10-32x1
X-365	1	Bearing, Ball, S.A.E. #303
X-489	1	Oiler, Hinge Top, Press in, 1/4

Miscellaneous Parts

GCD-24B	1	Band, Cover
8X-715	1	Screw, Cover Band, Rd. hd., #10-32x1 1/4
8X-794	1	Nut, Cover Band, Square, #10-32
		1 2 3 4 5

(Issued 2-17-44)

† Brush Set, Service, GCD-2012S.

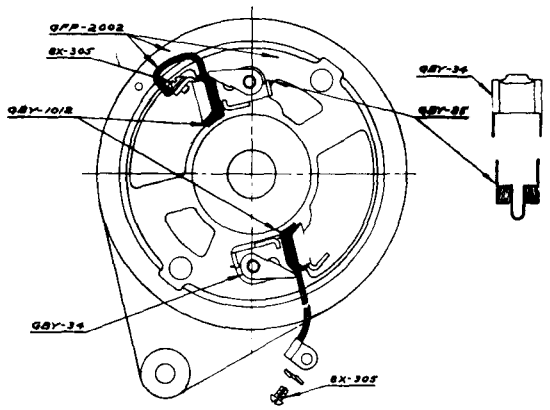
* See table following parts list for part number applying to assembly wanted.

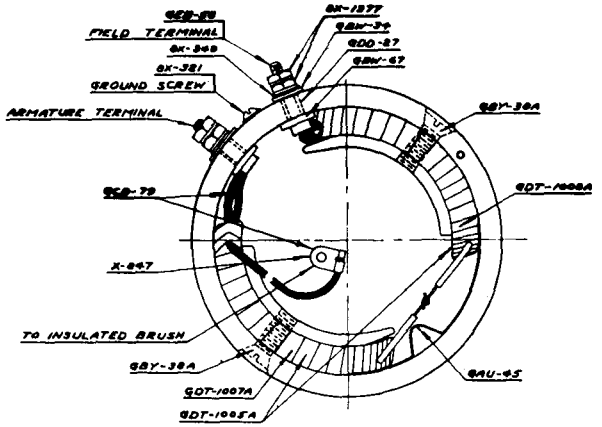
NOTE:- (*) Current-Voltage Regulator is used with but is not a part of this generator.

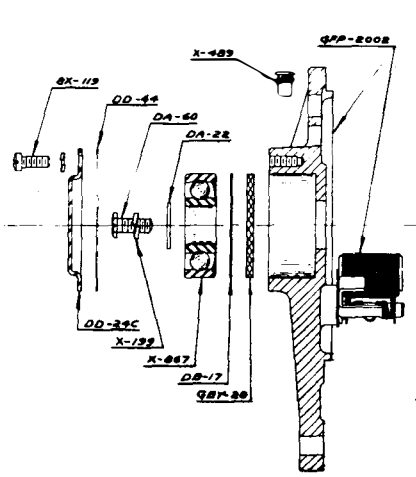
Assembly No.	Pulley, Drive	Regulator
GFP-4801A	SP-493	VRP-4004J
GFP-4801B	SP-496	VRP-4001G

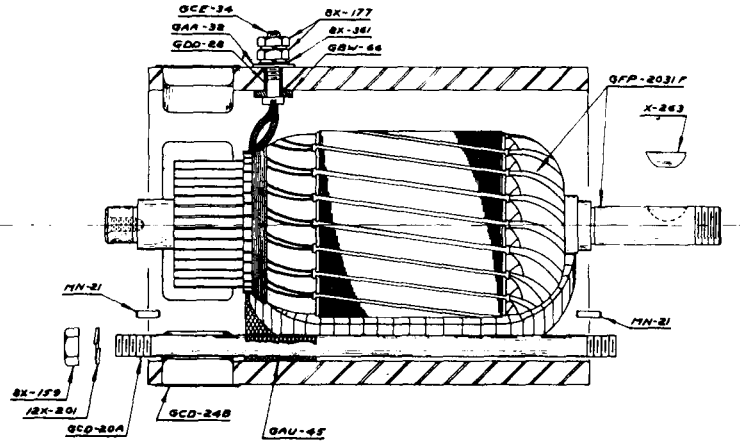
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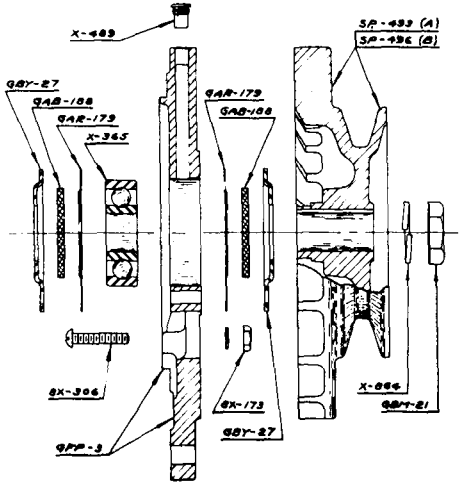
"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."


GFP-2002
BX-305
GBY-10/2
GBY-34
GBY-8E
GBY-34
BX-305


GCB-8B
FIELD TERMINAL
BX-348
BX-381
GROUND SCREW
ARMATURE TERMINAL
BN-1377
GBW-34
GDD-87
GBW-67
GBY-36A
GDT-1008A
GCB-79
X-847
TO INSULATED BRUSH
GBY-36A
GDT-1007A
GDT-1005A
GAU-45


BX-119
OD-44
DA-60
DA-22
X-489
GFP-2002
OD-24C
X-139
X-867
DB-17
GBY-36


GCE-34
BX-177
GAA-38
BX-361
GDD-86
GBW-66
GFP-2031F
X-263
MN-21
MN-21
BX-159
12X-201
GCD-20A
GCD-24B
GAU-45


X-489
GBY-27
GAB-166
GAR-179
X-365
GAR-179
GAB-166
SP-493 (A)
SP-496 (B)
BX-306
BX-173
GBY-27
GFP-3
X-864
GBY-21

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GFR-2170)	1	Frame & Field Assy.
GBF-55	1	Washer, Ins., Field Term., Outer
GBG-22	1	Stud, Field Term., #10-32
GBG-23	1	Stud, Arm. Term., 5/16-24
GBG-27A	1	Lead Assy.
GBG-121A	1	Terminal, 2 Wire
X-1425	2	Terminal
GBG-30	1	Insulation, Field Connection
GBG-107S	1	Bracket, Mounting
GCY-27	1	Bushing, Ins., Field Term.
GCY-28	1	Bushing, Ins., Arm. Term.
GDJ-66	1	Insulation, Term. Stud, Inner
GDJ-67	1	Insulation, Term. Stud, Inner
GDJ-68	1	Insulation, Field Term., Inner
GFR-44	8	Screw, Pole Shoe
GFR-1005	1	COIL ASSY., FIELD, COMPLETE
GFR-1007B	1	Coil Assy., Field, U.R.
GBG-26	1	Terminal
GFR-1008	1	Coil, Field, L. L.
GFR-1009	1	Coil, Field, L. R.
GFR-1010	1	Coil Assy., Field, U.L.
X-1425	1	Terminal
SS-179	3	Insulating Tube
IGH-3076B	2	Condenser
MU-36	1	Washer, Ins., Arm. Term., Outer
MU-37	1	Washer, Plain, Arm. Term., 5/16
8X-78	2	Screw, Cond. Mtg., Flat Hd. #8-32x9/16
8X-183A	1	Washer, Plain, Field Term., #10
12X-196	2	Lockwasher, Field Term., #10
12X-201	4	Lockwasher, Mtg. Bracket Sc., 3/8
8X-465	4	Screw, Mtg. Bracket, Hex. Hd. 3/8x24x3/4
12X-1014	2	Lockwasher, Arm. Term., 5/16
8X-1376	2	Nut, Arm. Term., Hex. 5/16-24
8X-1377	2	Nut, Field Term., Hex. #10-32
12X-196	1	Lockwasher, Ground Screw, #10
8X-321	1	Screw, Ground, Rd. Hd. #10-32x 5/16

Comm. End Head Assembly & Parts Used With

DA-60	1	Screw, Bearing Retaining
GBG-66	1	Washer, Bearing Retaining Sc.

Comm. End Head Assy. (Continued)

Part No.	No. Used	Name of Part
GCE-40	2	Washer, Felt Retaining
GDJ-23	1	Washer, Spring
GDJ-24	1	Washer, Felt
GDJ-27	1	Gasket, C.E. Cover
GDJ-63A	1	Cover, Comm. End
GFR-2030	1	Head Assy., Comm. End
GBY-34	4	Arm, Brush
GCE-53	4	Spring, Brush
GFR-1012 †	4	Brush
8X-118	6	Screw, C.E. Head, Fill. Hd. #10-32x3/4
8X-119	4	Screw, Cover, Fill. Hd. #10-32x1/2
12X-195	4	Lockwasher, Brush Lead Sc., #8
12X-196	10	Lockwasher, Head & Cover Screw, #10
12X-199	1	Lockwasher, Brg. Retaining Sc. 1/4
8X-305	4	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler, Hinge Top, Press in, 1/4
X-1528	1	BEARING, BALL, S.A.E. #205

Armature Assembly & Parts Used With

GBG-49	1	Spacer, Arm. Shaft, C.E.
GFR-56	1	Spacer, Arm. Shaft, D.E.
GFR-57	1	Spacer, Arm. Shaft, Inner
GFR-2106F	1	ARMATURE
SP-836	1	Pulley, Drive
X-405	1	Pin, Cotter, 3/32x1 1/8
12X-1018	1	Lockwasher, Shaft, 5/8
8X-1717	1	Nut, Shaft, Castel. 5/8-18

Drive End Head Assembly & Parts Used With

GFR-1104	1	Head Assy., Drive End
GBG-50	1	Gasket, Brg. Retainer
GBG-57	1	Retainer, Felt
GBG-58	1	Washer, Felt
GBG-1056	1	Retainer Assy., Bearing
GBG-56	1	Retainer, Bearing
GBG-57	1	Retainer, Felt Washer
GBG-58	1	Washer, Felt
GFR-104	1	Head
8X-119	4	Screw, Brg. Retainer, Fill. Hd. #10-32x1/2
12X-196	4	Lockwasher, Retainer Sc., #10
X-1699	1	BEARING, BALL, S.A.E. #305
8X-118	6	Screw, D.E. Head, Fill. Hd. #10-32x3/4
X-489	1	Oiler, Hinge Top, Press in, 1/4
12X-544	6	Lockwasher, Head Screw, #10

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Miscellaneous Parts

Part No.	No. Used	Name of Part
GBG-24C	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Sq. #10-32

NOTE:- VAD-4109A CURRENT VOLTAGE REGULATOR is used with but is not a part of this generator.

† BRUSH SET, SERVICE GFR-2012S.

UNIT	APPLICATION
GFR-4806	Buda, Le Tourneau

(Issued 8-16-48)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GFR-4807 GENERATOR PARTS LIST GFR-4807

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GFR-2170)	1	Frame & Field Assy.
GBF-55	1	Washer, Ins., Field Term., Outer
GBG-22	1	Stud, Field Term., #10-32
GBG-23	1	Stud, Arm. Term., 5/16-24
GBG-27A	1	Lead Assy.
GBG-121A	1	Terminal, 2 Wire
X-1425	2	Terminal
GBG-30	1	Insulation, Field Connection
GBG-107S	1	Bracket, Mounting
GCY-27	1	Bushing, Ins., Field Term.
GCY-28	1	Bushing, Ins., Arm. Term.
GDJ-66	1	Insulation, Term. Stud, Inner
GDJ-67	1	Insulation, Term. Stud, Inner
GDJ-68	1	Insulation, Field Term., Inner
GFR-44	8	Screw, Pole Shoe
GFR-1005	1	COIL ASSY., FIELD, COMPLETE
GFR-1007B	1	Coil Assy., Field, U.R.
GBG-26	1	Terminal
GFR-1008	1	Coil, Field, L.L.
GFR-1009	1	Coil, Field, L.R.
GFR-1010	1	Coil Assy., Field, U.L.
X-1425	1	Terminal
SS-179	3	Insulating Tube
IGH-3076B	2	Condenser
MU-36	1	Washer, Ins., Arm. Term., Outer
MU-37	1	Washer, Plain, Arm. Term., 5/16
8X-78	2	Screw, Cond. Mtg., Flat. Hd. #8-32x9/16
8X-183A	1	Washer, Plain, Field Term., #10
12X-196	2	Lockwasher, Field Term. #10
12X-201	4	Lockwasher, Mtg. Brkt. Sc., 3/8
8X-465	4	Screw, Mtg. Bracket, Hex. Hd. 3/8-24x3/4
12X-1014	2	Lockwasher, Arm. Term., 5/16
8X-1376	2	Nut, Arm. Term., Hex. 5/16-24
8X-1377	2	Nut, Field Term., Hex. #10-32
12X-196	1	Lockwasher, Ground Screw, #10
8X-321	1	Screw, Rd.Hd., #10-32x5/16

Comm. End Head Assembly & Parts Used With

GFR-111	2	Gasket, Bearing Retainer

Comm. End Head Assy. (Continued)

Part No.	No. Used	Name of Part
GFR-1114	1	Retainer Assy., Brg., Outer
GBG-57	1	Retainer, Felt Washer
GBG-58	1	Washer, Felt
GFR-114	1	Retainer, Bearing
GFR-1114A	1	Retainer Assy., Brg., Inner
GBG-57	1	Retainer, Felt Washer
GBG-58	1	Washer, Felt
GFR-114A	1	Retainer, Bearing
GFR-2110	1	Head Assy., Comm. End
GBY-34	4	Arm, Brush
GCE-53	4	Spring, Brush
GFR-1012 †	4	Brush
8X-118	6	Screw, C.E. Head, Fill. Hd. #10-32x3/4
12X-195	4	Lockwasher, Brush Lead Sc., #8
12X-196	10	Lockwasher, Head Sc. & Retainer Sc., #10
8X-305	4	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler, Hinge Top, Press in, 1/4
8X-885	4	Screw, Brg. Retainer, Fill. Hd. #10-32x1 1/4
X-1699	1	BEARING, BALL, S.A.E. #305

Armature Assembly & Parts Used With

GBG-110	1	Spacer, Shaft, C.E. Inner
GFR-56	1	Spacer, Arm. Shaft, D.E.
GFR-57	1	Spacer, Arm. Shaft, Inner
GFR-107	1	Spacer, Shaft, C.E. Outer
GFR-2113F	1	ARMATURE
SP-836	1	Fan, Ventilating
X-405	1	Pin, Cotter, 3/32xl 1/8
12X-1018	1	Lockwasher, 5/8
X-1177	1	Washer, Skpf., 5/8
X-1178	1	Nut, Hex., 5/8-18
8X-1717	1	Nut, Castellated, Hex., 5/8-18

Drive End Head Assembly & Parts Used With

GFR-1104	1	Head Assy., Drive End
GBG-50	1	Gasket, Brg. Retainer
GBG-57	1	Retainer, Felt
GBG-58	1	Washer, Felt
GBG-1056	1	Retainer Assy., Bearing
GBG-56	1	Retainer, Bearing
GBG-57	1	Retainer, Felt Washer
GBG-58	1	Washer, Felt
GFR-104	1	Head
8X-119	4	Screw, Brg. Retainer, Fill. Hd. #10-32x1/2
12X-196	4	Lockwasher, Retainer Sc., #10
X-1699	1	BEARING, BALL, S.A.E. #305

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Drive End Head Assy. (Continued)

Part No.	No. Used	Name of Part
8X-118	6	Screw, D.E. Head, Fill. Hd. #10-32x3/4
X-489	1	Oiler, Hinge Top, Press in, 1/4
12X-544	6	Lockwasher, Head Sc., #10
		Miscellaneous Parts
GBG-24C	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

NOTE:- VAD-4109A CURRENT VOLTAGE REGULATOR is used with but is not a part of this generator.

† BRUSH SET, SERVICE GFR-2012S.

UNIT	APPLICATION
GFR-4807	Buda, Le Tourneau

(Issued 8-17-48)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GFR-2109)	1	Frame & Field Assy.
GBF-55	1	Washer, Ins., Field Term. Outer
GBG-27A	1	Lead Assy.
GBG-121A	1	Terminal, 2 Wire
X-1425	2	Terminal
GBG-30	1	Insulation, Field Connection
GCY-27	1	Bushing, Ins., Field Term.
GCY-28	1	Bushing, Ins., Arm. Term.
GDJ-36	1	Stud, Arm. Term., 5/16-24
GDJ-37	1	Stud, Field Term., #10-32
GDJ-66	1	Insulation, Term. Stud, Inner
GDJ-67	1	Insulation, Term. Stud, Inner
GDJ-68	1	Insulation, Field Term., Inner
GFR-44	8	Screw, Pole Shoe
GFR-1005	1	COIL ASSY., FIELD, COMPLETE
GFR-1007B	1	Coil Assy., Field, U.R.
GBG-26	1	Terminal
GFR-1008	1	Coil, Field, L.L.
GFR-1009	1	Coil, Field, L.R.
GFR-1010	1	Coil Assy., Field, U.L.
X-1425	1	Terminal
SS-179	3	Insulating Tube
MU-36	1	Washer, Ins., Arm. Term., Outer
MU-37	1	Washer, Plain, Arm. Term., 5/16
8X-183A	1	Washer, Plain, Field Term., #10
12X-196	2	Lockwasher, Field Term., #10
12X-1014	2	Lockwasher, Arm. Term., 5/16
8X-1376	2	Nut, Arm. Term., Hex. 5/16-24
8X-1377	2	Nut, Field Term., Hex. #10-32
12X-196	1	Lockwasher, Ground Sc., #10
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

DA-60	1	Screw, Bearing Retaining
GBG-66	1	Washer, Bearing Retaining Sc.
GCE-40	2	Washer, Felt Retaining
GDJ-23	1	Washer, Spring
GDJ-24	1	Washer, Felt

Comm. End Head Assy. (Continued)

Part No.	No. Used	Name of Part
GDJ-27	1	Gasket, C.E. Cover
GDJ-63A	1	Cover, Comm. End
GFR-2074	1	Head Assy., Comm. End
GBY-34	4	Arm, Brush
GCE-53	4	Spring, Brush
GFR-1012 †	4	Brush
8X-118	6	Screw, C.E. Head, Fill. Hd. #10-32x3/4
8X-119	4	Screw, Cover, Fill. Hd. #10-32x1/2
12X-195	4	Lockwasher, Brush Lead Sc. #8
12X-196	10	Lockwasher, Head & Cover Screw, #10
12X-199	1	Lockwasher, Brg. Retaining Sc., 1/4
8X-305	4	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler, Hinge Top, Press in, 1/4
X-1528	1	BEARING, BALL, S.A.E. #205

Armature Assembly & Parts Used With

GBG-49	2	Spacer, Armature Shaft
GFR-2062F	1	ARMATURE
SP-866	1	Pulley, Drive
8X-1134	1	Washer, Shaft, Plain 5/8
X-1177	1	Washer, Shaft, Skpf. 5/8
8X-1178	1	Nut, Shaft, Hex., 5/8-18

Drive End Head Assembly & Parts Used With

GDJ-1073	1	Head Assy., Drive End
GBG-50	1	Gasket, Bearing Retainer
GBG-57	1	Retainer, Felt Washer
GBG-58	1	Washer, Felt
GBG-1056	1	Retainer, Assy ., Bearing
GBG-56	1	Retainer, Bearing
GBG-57	1	Retainer, Felt Washer
GBG-58	1	Washer, Felt
GDJ-73	1	Head
8X-119	4	Screw, Brg. Retainer, Fill Hd., #10-32x1/2
X-196	4	Lockwasher, Retainer Sc., #10
X-444	1	BEARING, BALL, S.A.E. #305
8X-118	6	Screw, D.E. Head, Fill. Hd. #10-32x3/4
X-394	1	Oiler, Sleeve, 1/2-20
12X-544	6	Lockwasher, Head Sc., #10

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Miscellaneous Parts

Part No.	No. Used	Name of Part
GBG-24B	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1/2
8X-794	1	Nut, Cover Band, Sq. #10-32

NOTE:- VAD-4109A or VAX-4001A CURRENT VOLTAGE REGULATOR is used with but is not a part of this generator.

† BRUSH SET, SERVICE GFR-2012S.

UNIT	APPLICATION
GFR-4808A	Buda, Le Tourneau

(Issued 8-16-48)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAS-151	2	Screw, Frame
(GFU-2050)	1	Frame & Field Assy.
GAS-40	2	Washer, Ins., Term. Stud, Inner
GAS-41	2	Bushing, Ins., Term. Stud
GAS-44	1	Insulation, Field Connection
GAS-45	4	Holder, Field Coil
GBF-55	2	Washer, Ins., Term. Stud, Outer
GFU-1005A	1	Coil Assy., Field, Comp.
GBF-36	2	Post, Terminal, #10-32
GFU-30	1	Lead Assy., Arm. Term.to Brush
X-1423	1	Terminal
GFU-1007	1	Coil, Left
GFU-1008	1	Coil, Right
MN-21	2	Pin, Dowel
MZ-38	2	Screw, Pole Shoe
12X-196	2	Lockwasher, Field Term. Stud, #10
X-1274	4	Washer, Skpf., Term. Stud, #10
8X-1377	4	Nut, Term. Stud, Hex., #10-32
12X-196	1	Lockwasher, Ground Screw, #10
8X-321	1	Screw, Ground, Rd. Hd. #10-32x 5/16
12X-544	2	Lockwasher, Thru Bolt, #10

Comm. End Head Assembly & Parts Used With

GAS-69A	1	Cover, Comm. End
GAS-70	1	Gasket, Cover, Comm. End
GAS-71	1	Washer, Bearing Retaining
GAS-77	1	Washer, Felt
GAS-78	1	Retainer, Felt Washer
GFF-2031S	1	Head Assy., Comm. End
GFF-31S	1	Head
GFF-2021R	1	Plate Assy., Brush Holder
GAL-31	1	Lead Assy., Ground
X-958	2	Terminal
GAS-15	2	Holder, Brush
GAS-17	1	Spring, Brush, Grounded
GAS-18	1	Spring, Brush, Insulated
GAS-1021R	1	Plate, Brush
GFF-12†	2	Brush
8X-122	2	Screw, Brush, Fil. Hd., #8-32x1/2
X-1013	2	Washer, Lock, Brush Sc., #8
8X-55	3	Screw, Brush Plate, Rd. Hd., #8-32x3/8
X-195	3	Lockwasher, Brush Plate Sc. #8
X-489	1	Oiler, Press in Type, 1/4
IA-175	1	Washer, Felt Retaining Plate
		1 2 3 4 5

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
8X-61	1	Screw, Bearing Retaining, Flat Hd. #10-32x7/16
X-63	3	Screw, Cover, Flat Hd. #8-32x3/8
X-293	1	Bearing, Ball, S.A.E. #201

Armature Assembly & Parts Used With

GAS-152A	1	Oil Thrower
GDE-2342	1	Armature Assy.
IA-158	1	Snap Ring, C.E.
GDY-28A	1	Washer, Plain, Arm. Shaft, 7/16
X-407	1	Pin, Cotter, 3/32x3/4
X-1460A	1	Key, Woodruff, #212
10X-1581	1	Nut, Shaft, Castel. 7/16-20

Drive End Head Assembly & Parts Used With

GAS-1343S	1	Head Assy., Drive End
GAS-343S	1	Head
GAS-344	1	Retainer, Bearing
GAS-345	1	Gasket, Bearing Retainer
GAS-347	1	Gasket, Bearing Retainer
8X-342	3	Screw, Bearing Retainer Flat Hd. #10-32x7/8
X-1470	1	Bearing Ball Shielded S.A.E. #202
XA-735	1	Oil, Seal

Miscellaneous Parts

GFU-1024CS	1	Band, Head
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32
		1 2 3 4 5

† Brush Set, Service GFF-1012S.

NOTE:- VRS-4010B Current-Voltage Regulator is used with but is not a part of this generator.

Unit	Application
GFU-4105	Aircooled

(Issued 11-22-46)

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Printed in U. S. A.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GFB-2058)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GAR-211	1	Bushing, Insulating
GFB-1005C	1	Coil Assy., Field, Comp.
GFB-1007	1	Coil Assy., Field, Left
GAL-355	1	Lead Assy.
X-755	1	Terminal
X-976	1	Terminal
X-976	1	Terminal
GFB-1008C	1	Coil Assy., Field, Right
X-767	1	Terminal
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
GK-20A	2	Bolt, Thru
12X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

GCJ-2110A	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBW-69	1	Gasket, Comm. End Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Retaining
GBW-1068	1	Cover, Comm. End
GCJ-51	1	Spring, Retaining, 3rd Brush Plate
GCJ-1012 †	2	Brush, Main
GCJ-1013 †	1	Brush, Third
GCJ-1014	1	Plate Assy., 3rd Brush
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1110A	1	Head Assy., Partial, C.E.
GBF-79	1	Bearing, Absorbent Bronze
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1023R	1	Holder Assy., Brush, Grounded
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
X-195	2	Lockwasher, #8
8X-304	2	Screw, Rd. Hd. #8-32x5/16
12X-195	4	Lockwasher, #8
8X-311	1	Screw, Rd. Hd. #10-32x3/8
8X-888	4	Screw, Fill. Hd. #8-32x5/16
12X-195	3	Lockwasher, Brush Lead Sc.,#8
8X-1507	3	Screw, Brush Lead, Bdg. Hd. #8-32x1/4

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GBM-21B	1	Nut, Shaft, Hex. .669-20
GEY-2006	1	Armature Assembly
GAR-171	1	Snap Ring
GJ-104	1	Spacer, Arm. Shaft
*	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assy. & Parts Used With

GAR-1252	1	Head Assy., Drive End
GAM-34	1	Retaining, Felt Washer, Outer
GAR-63	1	Retainer, Felt Washer, Inner
GAR-64	1	Retainer, Bearing
GAR-252	1	Head
GG-164	2	Washer, Felt
X-196	3	Lockwasher, #10
X-295	1	Bearing, Ball, S.A.E. #203
8X-311	3	Screw, Rd. Hd. #10-32x3/8
X-489	1	Oiler, Press in Type, 1/4

Miscellaneous Parts

GBW-1024B	1	Cover, Band
TC-4303D-2	1	Regulator, Two Charge
12X-196	4	Lockwasher, Regulator Mtg. Sc., #10
8X-321	4	Screw, Regulator Mtg., Rd. Hd. #10-32x5/16
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1½
8X-794	1	Nut, Cover Band, Square #10-32

† Brush Set, Service GCJ-2012S.

* See table following parts list for part number applying to assembly wanted.

Assembly No.	Pulley
GFW-4801A	SP-585
GFW-4801B	SP-867

(Issued 9-20-48)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GFB-2056)	1	Frame & Field Assy.
GAG-125S	1	Bracket, Gen. Mtg.
GAL-44	1	Insulation, Field Connection
GAR-211	1	Bushing, Insulating
GFB-1005A	1	COIL ASSY., FIELD, COMPLETE
GFB-1007	1	Coil Assy., Field, Left
GAL-355	1	Lead Assembly
X-755	1	Terminal
X-976	1	Terminal
X-976	1	Terminal
GFB-1008A	1	Coil Assy., Field, Right
X-767	1	Terminal
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
X-113	2	Screw, Mtg. Bracket, Hex. Hd. 5/16-24x5/8
X-200	2	Lockwasher, Bracket Sc., 5/16
GK-20A	2	Bolt, Thru
X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

GCJ-2086B	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBW-69	1	Gasket, C.E. Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Retaining
GBW-1068	1	Cover, Comm. End
GCJ-51	1	Spring, Retaining, 3rd Brush Plate
GCJ-1012†	2	Brush, Main
GCJ-1013†	1	Brush, Thrid
GCJ-1014	1	Plate Assy., 3rd Brush
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1086C	1	Head Assy., Partial, C.E.
GBF-79	1	BEARING, ABS. BRONZE
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1023R	1	Holder Assy., Brush, Grounded
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
X-195	2	Lockwasher, Holder Sc.,#8
8X-304	2	Screw, Brush Holder, Rd. Hd. #8-32x5/16
12X-195	4	Lockwasher, Cover Sc. #8

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
8X-311	1	Screw, Retaining Spring, Rd. Hd. #10-32x3/8
8X-888	4	Screw, C.E. Cover, Fill. Hd. #8-32x5/16
X-195	3	Lockwasher, Br. Lead Sc., #8
8X-1507	3	Screw, Brush Lead, Bdg. Hd. #8-32x1/4

Armature Assembly & Parts Used With

GEY-2055	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GJ-104	1	Spacer, Arm. Shaft
GJ-179	1	Washer, Arm. Shaft Plain
X-160	1	Nut, Arm. Shaft, Hex. 7/16-20
X-205	1	Lockwasher, Arm. Shaft, 7/16
X-261	1	Key, Woodruff, #6

Drive End Head Assembly & Parts Used With

GAL-1063B	1	Head Assy., Drive End
GAL-63A	1	Head, Drive End
GG-6	2	Retainer, Bearing
GG-164	1	Washer, Felt
GK-176	1	Retainer, Felt Washer
8X-173	3	Nut, Retainer Sc., #10-32
X-196	3	Lockwasher, Retainer Screw, #10
X-295	1	BEARING, BALL, S.A.E. #203
8X-316	3	Screw, Brg. Retainer, Rd. Hd. #10-32x3/4
X-489	1	Oiler

Miscellaneous Parts

GBW-1024B	1	Band, Cover
TC-4303D-2	1	REGULATOR, TWO CHARGE
X-196	4	Lockwasher, Reg. Mtg. Sc., #10
8X-321	4	Screw, Reg. Mtg., Rd. Hd. #10-32x5/16
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GCJ-2012S.

UNIT	APPLICATION
GFW-4804	Buda

(Issued 6-3-49)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GFW-4805 GENERATOR PARTS LIST

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GFB-2037)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Conn.
GAR-211	1	Bushing, Insulating
GFB-1005	1	COIL ASSY., FIELD, COMP.
GFB-1007	1	Coil Assy., Field, Left
GAL-355	1	Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GFB-1008	1	Coil Assy., Field, Right
X-959	1	Terminal
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
8X-140	1	Nut, Field Ground, Hex., #6-32
X-194	1	Washer, Lock, Field Ground, #6
8X-1008	1	Screw, Field Ground, Rd. Hd. #6-32x9/16
GT-20A	2	Bolt, Thru
X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

GCJ-2087AS	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBW-69	1	Gasket, Comm. End Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Retaining
GBW-1068	1	Cover, Comm. End
GCJ-51	1	Spring, Retaining, 3rd Brush Plate
GCJ-1012†	2	Brush, Main
GCJ-1013†	1	Brush, Third
GCJ-1014	1	Plate Assy., 3rd. Brush
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1087AS	1	Head Assy., Partial, C.E.
GBF-79	1	BEARING, ABSORBENT BRONZE
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1023R	1	Holder Assy.,Brush, Grounded
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
X-195	2	Lockwasher, Brush Holder Sc. #8
8X-304	2	Screw, Brush Holder, Rd. Hd. #8-32x5/16

Comm. End Head Assembly & Parts (Cont.)

Part No.	No. Used	Name of Part
X-195	4	Lockwasher, Cover Screw #8
8X-311	1	Screw, Retaining Spring, Rd. Hd. #10-32x3/8
8X-888	4	Screw, C.E. Cover, Fill. Hd., #8-32x5/16
X-195	3	Lockwasher, Brush Lead Sc. #8
8X-1507	3	Screw, Brush Lead, Bdg. Hd. #8-32x1/4

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Armature Shaft
GEY-2006	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GJ-104	1	Spacer, Arm. Shaft
X-260	1	Key, Woodruff, #5
X-864	1	Washer, Lock, .669

Drive End Head Assembly & Parts Used With

GAM-1110S	1	Head Assy., Drive End
GAM-34A	1	Retainer, Felt Washer, Outer
GAM-110A	1	Head, Drive End
GAR-63	1	Retainer, Felt Washer, Inner
GAR-64	1	Retainer, Bearing
GG-164	2	Washer, Felt
X-196	3	Washer, Lock, #10
8X-311	3	Screw, Rd. Hd., #10-32x3/8
X-441	1	BEARING, BALL, SHIELDED, S.A.E. #203
X-489	1	Oiler

Miscellaneous Parts

GBW-1024B	1	Band, Cover
RA-4002	1	RELAY, CUT-OUT, ASSY.
CB-123	1	Spring, Armature
CB-160S	1	Cover
PX-55	1	Screw, Bdg. Hd., #10-32x3/16
X-196	2	Washer, Lock, #10
8X-312	1	Screw, Rd. Hd., #10-32x1/4
X-196	2	Lockwasher, Cut-Out Relay Mtg., #10
8X-321	2	Screw, Mtg., Cut-Out Relay, Rd. Hd. #10-32x5/16
X-714	1	Screw, Cover Band, Rd. Hd., #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square, #10-32

† BRUSH SET, SERVICE GCJ-2012S.

UNIT	APPLICATION
GFW-4805	Continental

Printed in U. S. A.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GFB-2056)	1	Frame & Field Assy.
GAG-125S	1	Bracket, Gen. Mtg.
GAL-44	1	Insulation, Field Connection
GAR-211	1	Bushing, Insulating
GFB-1005A	1	Coil Assy., Field, Comp.
GFB-1007	1	Coil Assy., Field, Left
GAL-355	1	Lead Assy.
X-755	1	Terminal
X-976	1	Terminal
X-976	1	Terminal
GFB-1008A	1	Coil Assy., Field, Right
X-767	1	Terminal
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
X-113	2	Screw, Bracket, Hd. 5/16-24x5/8
X-200	2	Lockwasher, Bracket Sc., 5/16
GK-20A	2	Bolt, Thru
X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

DA-39	2	Washer, Plain, Felt Retaining
DA-70	1	Nut, Armature Shaft
DJ-10	1	Gasket, C.E. Cover
GAG-53	1	Cover, Comm. End
GCJ-2076A	1	Head Assy., Comm. End
GCJ-51	1	Spring, Retaining, Third Brush Plate
GCJ-1012 †	2	Brush, Main
GCJ-1013 †	1	Brush, Third
GCJ-1014	1	Plate Assy., 3rd Brush
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1076	1	Head Assy., Partial, C.E.
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1023R	1	Holder Assy., Brush, Grounded
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
X-195	2	Lockwasher, Brush Holder #8
8X-304	2	Screw, Brush Holder, Rd. Hd. #8-32x5/16
8X-311	1	Screw, Retaining Spring, Rd. Hd. #10-32x3/8
GR-32	1	Retainer, Felt Washer
GR-35	2	Washer, Felt
X-195	3	Lockwasher, Brush Lead Sc., #8

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
X-295	1	Bearing, Ball, S.A.E. #203
X-489	1	Oiler, Hinge Top, Press in, 1/4
X-544	3	Lockwasher, Cover Screw, #10
8X-870	3	Screw, Cover, Fill. Hd. #10-32x5/16
8X-1507	3	Screw, Brush Lead, Bdg. Hd. #8-32x1/4

Armature Assembly & Parts Used With

GEY-2090	1	Armature Assembly
GAR-171	2	Snap Ring
GJ-104	1	Spacer, Arm. Shaft
GJ-179	1	Washer, Plain
X-160	1	Nut, Shaft, Hex. 7/16-20
X-205	1	Lockwasher, Shaft, 7/16
X-261	2	Key, Woodruff, #6

Drive End Head Assy. & Parts Used With

GAL-1063B	1	Head Assy., Drive End
GAL-63A	1	Head
GG-6	2	Retainer, Bearing
GG- 164	1	Washer, Felt
GK-176	1	Retainer, Felt Washer
8X-173	3	Nut, Retainer Sc., Hex. #10-32
X-196	3	Lockwasher, Retainer Sc.,#10
X-295	1	Bearing, Ball, S.A.E. #203
8X-316	3	Screw, Brg. Retainer, Rd. Hd. #10-32x3/4
X-489	1	Oiler, Press in Type, 1/4

Miscellaneous Parts

GBW-1024B	1	Band, Cover
TC-4303D-2	1	Regulator, Two Charge
X-196	4	Lockwasher, Regulator Mtg., Sc., #10
8X-321	4	Screw, Regulator Mtg., Rd. Hd. #10-32x5/16
X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† Brush Set, Service GCJ-2012S.

UNIT	APPLICATION
GFW-4806	Buda

(Issued 7-13-48)

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GFB-3061)	1	Frame & Field Assy.
GAG-125S	1	Bracket, Gen. Mtg.
GAL-44	1	Insulation, Field Connection
GAR-211	1	Bushing, Insulating
GFB-2005B	1	Coil Assy., Field, Comp.
GFB-2007	1	Coil Assy., Field, Left
X-976	1	Terminal
GFB-2008A	1	Coil Assy., Field, Right
GAL-355	1	Lead Assy.
X-755	1	Terminal
X-976	1	Terminal
X-767	1	Terminal
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
X-113	2	Screw, Bracket, Hex. Hd. 5/16-24x5/8
X-200	2	Lockwasher, Bracket Sc., 5/16
GK-20A	2	Bolt, Thru
X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

GCJ-3085B	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBW-69	1	Gasket, C.E. Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GBW-1068	1	Cover, Comm. End
GCJ-51	1	Spring, Retaining, 3rd. Brush Plate
GCJ-1012†	2	Brush, Main
GCJ-1013†	1	Brush, Third
GCJ-1014L	1	Plate Assy., 3rd Brush
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1085C	1	Head Assy., Partial, C.E.
GBF-79	1	Bearing, Absorbent Bronze
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1023L	1	Holder Assy., Brush, Grounded
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
X-195	2	Lockwasher, #8
8X-304	2	Screw, Rd. Hd. #8-32x5/16
12X-195	4	Lockwasher, Cover Sc., #8
8X-311	1	Screw, Plate Retaining, Rd. Hd. #10-32x3/8
8X-888	4	Screw, Cover, Fill. Hd. #8-32x5/16
X-195	3	Lockwasher, Brush Lead Sc.,#8

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
8X-1507	3	Screw, Brush Lead, Bdg. Hd. #8-32x1/4

Armature Assembly & Parts Used With

GEY-2055	1	Armature Assy.
GAR-171	1	Snap Ring
GJ-104	1	Spacer, Arm. Shaft
GJ-179	1	Washer, Arm. Shaft, Plain
X-160	1	Nut, Shaft, Hex. 7/16-20
X-205	1	Lockwasher, Shaft, 7/16
X-261	1	Key, Woodruff, #6

Drive End Head Assy. & Parts Used With

GCZ-1003A	1	Head Assy., Drive End
GCZ-3A	1	Head
GG-6	2	Retainer, Bearing
GG-164	1	Washer, Felt
GK-176	1	Retainer, Felt Washer
8X-173	3	Nut, Retainer Screw, Hex. #10-32
X-196	3	Lockwasher, Retainer Screw, #10
X-295	1	Bearing, Ball, S.A.E. #203
8X-316	3	Screw, Retainer, Rd. Hd. #10-32x3/4
X-489	1	Oiler, Hinge Top, Press in, 1/4

Miscellaneous Parts

GBW-1024B	1	Band, Cover
TC-4303D-2	1	Regulator, Two Charge
X-196	4	Lockwasher, Regulator Mtg. Sc., #10
8X-321	4	Screw, Regulator Mtg., Rd. Hd. #10-32x5/16
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† Brush Set, Service GCJ-2012S.

NOTE: Part numbers shown in parenthesis are not recommended for service.

UNIT	APPLICATION
GFW-4807	Buda

(Issued 7-13-48)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GFB-2052)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GAR-211	1	Bushing, Insulating
GFB-1005A	1	COIL ASSY., FIELD, COMP.
GFB-1007	1	Coil Assy., Field, Left
GAL-355	1	Lead Assembly
X-755	1	Terminal
X-976	1	Terminal
X-976	1	Terminal
GFB-1008A	1	Coil Assy., Field, Right
X-767	1	Terminal
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
GT-20A	2	Bolt, Thru
12X-199	2	Lockwasher, 1/4

Comm. End Head Assembly & Parts Used With

GCJ-2086B	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBW-69	1	Gasket, C.E. Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Retaining
GBW-1068	1	Cover, Comm. End
GCJ-51	1	Spring, Retaining, 3rd Brush Plate
GCJ-1012†	2	Brush, Main
GCJ-1013†	1	Brush, Third
GCJ-1014	1	Plate Assy., 3rd. Brush
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1086C	1	Head Assy., Partial, C.E.
GBF-79	1	BEARING, ABS. BRONZE
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1023R	1	Holder Assy., Brush, Grounded
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
X-195	2	Lockwasher, Holder Sc., #8
8X-304	2	Screw, Brush Holder, Rd. Hd. #8-32x5/16
12X-195	4	Lockwasher, Cover Sc., #8
8X-311	1	Screw, Retaining Spring, Rd. Hd. #10-32x3/8
8X-888	4	Screw, C.E. Cover, Fill. Hd. #8-32x5/16
12X-195	3	Lockwasher, Brush Lead Sc., #8
8X-1507	3	Screw, Brush Lead, Bdg. Hd. #8-32x1/4

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
DG-1144	1	Oil, Thrower
GEY-2106	1	ARMATURE
X-157	1	Nut, Shaft, Slotted 1/2-20
X-263	1	Key, Woodruff, #8
X-358	1	Washer, Shaft, Plain 1/2
X-404	1	Pin, Cotter, 3/32x1

Drive End Head Assy. & Parts Used With

GAR-1192	1	Head Assy., Drive End
GAE-47	1	Retainer, Bearing
GAR-192	1	Head, Drive End
8X-66	3	Screw, Retainer, Flat Hd. #10-32x1/2
X-378	1	BEARING, BALL, SHIELDED, S.A.E. #204
X-1621	3	Washer, Retainer Sc., Skpf., #10

Miscellaneous Parts

GBW-1024P	1	Band, Cover
TC-4303D-2	1	REGULATOR, TWO CHARGE
12X-196	4	Lockwasher, Regulator Mtg. Sc., #10
8X-321	4	Screw, Regulator Mtg., Rd. Hd. #10-32x5/16
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GCJ-2012S.

UNIT	APPLICATION
GFW-4809	Hercules, Plymouth Locomotive
GFW-4809P	Plymouth Locomotive

(Issued 6-3-49)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GFB-3067)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GAR-211	1	Bushing, Insulating
GFB-2005	1	Coil Assy., Field, Comp.
GFB-2007	1	Coil Assy., Field, Left
X-976	1	Terminal
GFB-2008	1	Coil Assy., Field, Right
GAL-354	1	Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-959	1	Terminal
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel, Head Locating
8X-140	1	Nut, Field Ground, Hex., #6-32
X-194	1	Washer, Lock, Field Ground, #6
8X-1008	1	Screw, Field Ground, Rd. hd., #6-32x9/16
GT-20	2	Bolt, Thru
X-199	2	Washer, Lock, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

(GCJ-3085B)	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBW-69	1	Gasket, Comm. End Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GBW-1068	1	Cover, Comm. End
GCJ-51	1	Spring, Retaining, 3rd. Brush Plate
GCJ-1012‡	2	Brush, Main
GCJ-1013‡	1	Brush, Third
GCJ-1014L	1	Plate Assy., 3rd. Brush
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1085A	1	Head Assy., Partial, C.E.
GBF-79	1	Bearing, Absorbent Bronze
GBW-45	1	Spring. Ins. Brush
GCJ-26	1	Arm, Ins. Brush
GCJ-1023L	1	Holder Assy., Brush Grounded
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
X-195	2	Washer, Lock, Holder Screw, #8
8X-304	2	Screw, Holder Attaching, Rd. hd., #8-32x5/16
X-195	4	Washer, Lock, Cover Sc., #8
8X-311	1	Screw, Plate Retaining, Rd. hd., #10-32x3/8
8X-888	4	Screw, Cover Attaching, Fil. hd., #8-32x5/16
X-195	3	Washer, Lock, Brush Lead, #8
8X-1507	3	Screw, Brush Lead, Bdg. hd., #8-32x1/4
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAR-1177	1	Oil Thrower
GEY-2080	1	Armature
X-157	1	Nut, Armature Shaft, Hex., 1/2-20
X-263	1	Key, Woodruff, #8
X-358	1	Washer, Plain, Arm. Shaft, 1/2
X-404	1	Pin, Cotter, 3/32x1

Drive End Head Assembly & Parts Used With

GAR-1229	1	Head Assy., Drive End
GAR-229	1	Head, Drive End
GX-9	1	Retainer, Bearing
GX-10	1	Gasket, Retainer
X-196	3	Washer, Lock, Retainer Screw, #10
8X-311	3	Screw, Retainer, Rd. hd., #10-32x3/8
X-378	1	Bearing, Ball, Shielded, S.A.E. #204

Miscellaneous Parts

CB-4013	1	Relay Assy., Cutout
CB-123	1	Spring, Armature
CB-160S	1	Cover
PX-55	1	Screw, Arm. Term., Bdg. hd., #10-32x3/16
X-196	2	Washer, Lock, Term. Sc., #10
8X-312	1	Screw, Bat. Term., Rd. hd., #10-32x1/4
GBW-24B	1	Band, Cover
X-196	2	Washer, Lock, Cutout Relay Mtg., #10
8X-321	2	Screw, Mtg., Cutout Relay, Rd. hd., #10-32x5/16
8X-715	1	Screw, Cover Band, Rd. hd., #10-32x1 1/4
8X-794	1	Nut, Cover Band, Square, #10-32
		1 2 3 4 5

(Issued 5-17-44)

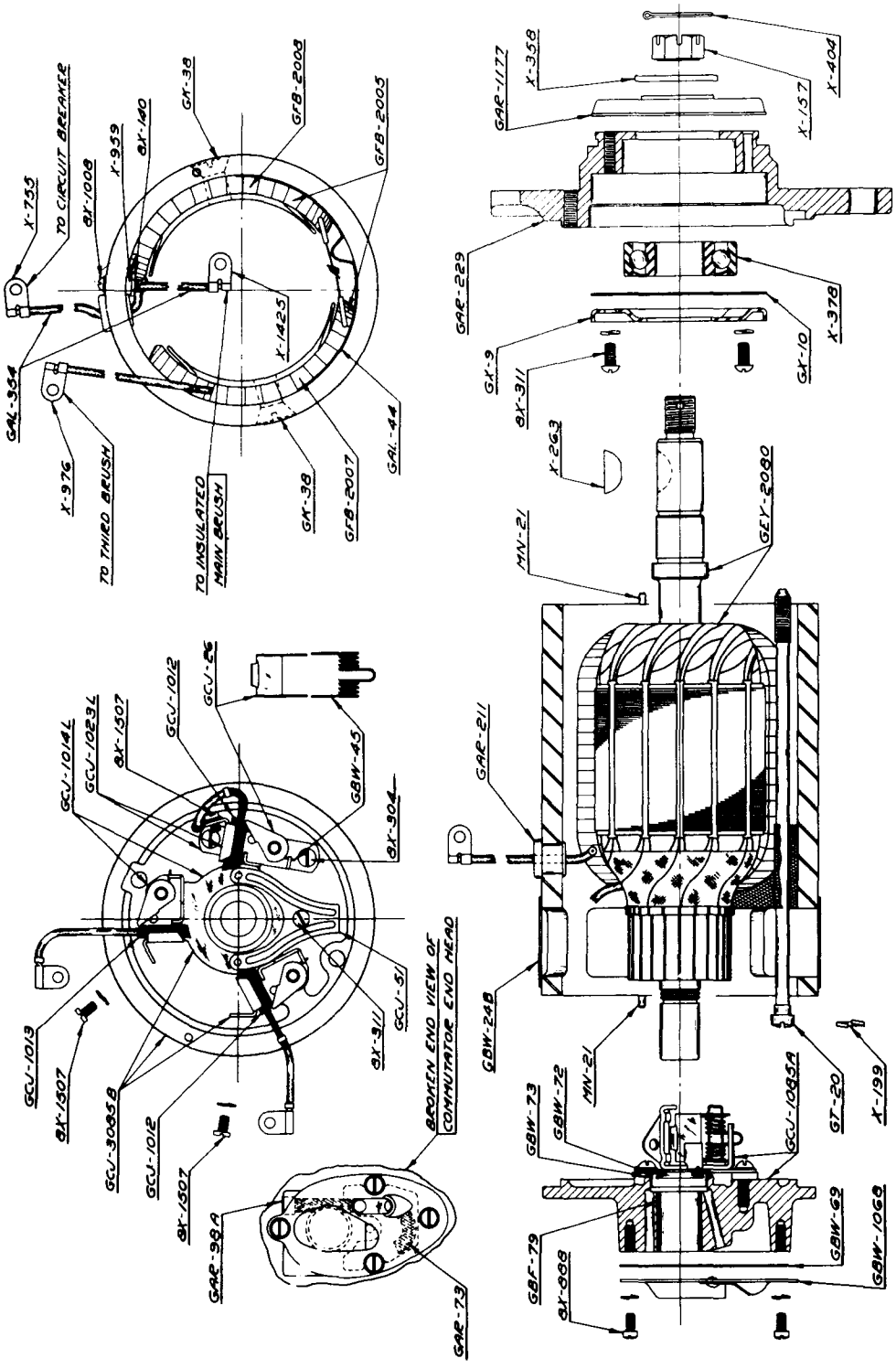
‡ Brush Set, Service, GCJ-2012S.

Printed in U. S. A.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

File in Equipment & Parts List Binder

GFW-4810 GENERATOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GFB-2054)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GAR-211	1	Bushing, Insulating
GFB-1005A	1	COIL ASSY., FIELD, COMP.
GFB-1007	1	Coil Assy., Field, Left
GAL-355	1	Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GFB-1008A	1	Coil Assy., Field, Right
X-767	1	Terminal
GK-38	2	Screw, Pole Piece
MN-21	2	Pin, Dowel
GT-20A	2	Bolt, Thru
X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

DA-39	2	Washer, Plain Felt Retaining
DA-132	1	Washer, Felt
GAB-188	1	Washer, Felt
GAR-82	1	Deflector, Air
GAR-83A	1	Cover, Comm. End
GBJ-25	1	Gasket, C.E. Cover
GCJ-2108	1	Head Assy., Comm. End
GCJ-51	1	Spring, Retaining, 3rd Brush Plate
GCJ-1012 †	2	Brush, Main
GCJ-1013 †	1	Brush, Third
GCJ-1014	1	Plate Assy., 3rd Brush
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1108	1	Head Assy., Partial, C.E.
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1023R	1	Holder Assy., Br., Grounded
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
X-195	2	Washer, Lock, #8
8X-304	2	Screw, Rd. Hd., #8-32x5/16
8X-311	1	Screw, Retainer Rd. Hd., #10-32x3/8
GR-32	1	Retainer, Felt Washer
8X-66	3	Screw, Air Deflector, Flat Hd. #10-32x1/2
X-195	3	Lockwasher, Brush Lead Sc. #8
X-295	1	BEARING, BALL, S.A.E. #203
X-489	1	Oiler, Hinge Top, Press in, 1/4

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
8X-726	3	Screw, C.E. Cover Bdg. Hd. #10-32x7/16
X-1270	3	Washer, C.E. Cover, Skpf. #10
8X-1507	3	Screw, Brush Lead, Bdg. Hd. #8-32x1/4
X-1621	3	Washer, Air Deflector, Skpf. #10

Armature Assembly & Parts Used With

DG-1144	1	Oil Thrower
GBM-21B	1	Nut, Armature Shaft
GEY-2048	1	ARMATURE ASSY.
GAR-171	1	Snap Ring
SP-96C	1	Fan Ventilating
X-157	1	Nut, Shaft, D.E., Slotted 1/2-20
X-258	1	Key, Woodruff, C.E., #3
X-263	1	Key, Woodruff, D.E., #8
X-358	1	Washer, Shaft, Plain 1/2
X-404	1	Pin, Cotter, 3/32x1
X-864	1	Lockwasher, Shaft, C.E.

Drive End Head Assy. & Parts Used With

GAR-1192C	1	Head Assy., Drive End
GAE-47	1	Retainer, Bearing
GAR-192C	1	Head
8X-66	3	Screw, Bearing Retainer, Flat Hd. #10-32x1/2
X-378	1	BEARING, BALL, SHIELDED S.A.E. #204
X-1621	3	Washer, Skpf. Retainer Sc. #10

Miscellaneous Parts

GBW-1024B	1	Band, Cover
TC-4310A	1	REGULATOR, TWO CHARGE
X-196	4	Lockwasher, Regulator Mtg., #10
8X-321	4	Screw, Regulator Mtg., Rd. Hd. #10-32x5/16
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GCJ-2012S.

UNIT	APPLICATION
GFW-4813-1	Young Engine

(Issued 8-25-48)

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GCM-86*	1	Bracket, Mounting, Generator
(GFB-2065)	1	Frame & Field Assy.
GAL-44	1	Insulation Field, Connection
GAR-211	1	Bushing, Insulating
GFB-1005A	1	COIL ASSY., FIELD, COMP.
GFB-1007	1	Coil Assy., Field, Left
GAL-355	1	Lead Assy.
X-755	1	Terminal
X-976	1	Terminal
X-976	1	Terminal
GFB-1008A	1	Coil Assy., Field, Right
X-767	1	Terminal
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
GK-20	2	Bolt, Thru
12X-199	2	Lockwasher, Thru Bolt, 1/4
X-402*	2	Pin, Cotter, Bracket Screw, 1/16x3/4
8X-863A*	2	Cap Screw, Hex. Head 5/16-24x1 1/4
12X-1014*	2	Lockwasher, Mtg. Bracket Screw, 5/16
8X-1061*	2	Nut, Mtg. Bracket Sc., Castellated 5/16-24

Comm. End Head Assembly & Parts Used With

GCJ-2107AS	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBW-69	1	Gasket, Comm. End Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Retaining
GBW-1068	1	Cover, Comm. End
GCJ-51	1	Spring, Retaining, 3rd Brush Plate
GCJ-1012†	2	Brush, Main
GCJ-1013†	1	Brush, Third
GCJ-1014	1	Plate Assy., 3rd Brush
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1107CS	1	Head Assy., Partial, C.E.
GBF-79	1	BEARING, ABS. BRONZE
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1023R	1	Holder Assy., Brush, Grounded
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush

Comm. End Head Assy., (Continued)

Part No.	No. Used	Name of Part
X-195	2	Lockwasher, Brush Holder, #8
8X-304	2	Screw, Brush Holder, Rd. Hd. #8-32x5/16
12X-195	4	Lockwasher, Cover Sc. #8
8X-311	1	Screw, Retaining Spring, Rd. Hd. #10-32x5/16
8X-888	4	Screw, Cover, Fill. Hd. #8-32x5/16
12X-195	3	Lockwasher, Brush Lead Sc., #8
8X-1507	3	Screw, Brush Lead, Bdg. Hd. #8-32x1/4

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Armature Shaft
GEY-2006	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GR-32	1	Retainer, Felt Washer
SP-322	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
12X-864	1	Lockwasher, Shaft, C.E.

Drive End Head Assembly & Parts Used With

GFW-1031S	1	Head Assy., Drive End
GAR-63	2	Retainer, Felt Washer
GAR-64	2	Retainer, Bearing
GFW-31S	1	Head
GG-164	2	Washer, Felt
8X-173	3	Nut, Retainer Sc. Hex. #10-32
X-196	3	Lockwasher, Retainer Sc. #10
X-295	1	BEARING, BALL
X-489	1	Oiler, Press in Type 1/4
8X-1003	3	Screw, Retainer Rd. Hd. #10-32x7/8

Miscellaneous Parts

GBW-24B	1	Band, Cover
TC-4303D-2	1	REGULATOR, TWO CHARGE
12X-196	4	Lockwasher, Reg. Mtg., #10
8X-321	4	Screw, Regulator Mtg., Rd. Hd. #10-32x5/16
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GCJ-2012S.
* Used on GFW-4814A-1 only.

UNIT	APPLICATION
GFW-4814A-1,B-1	Buda, Hallet Mfg.

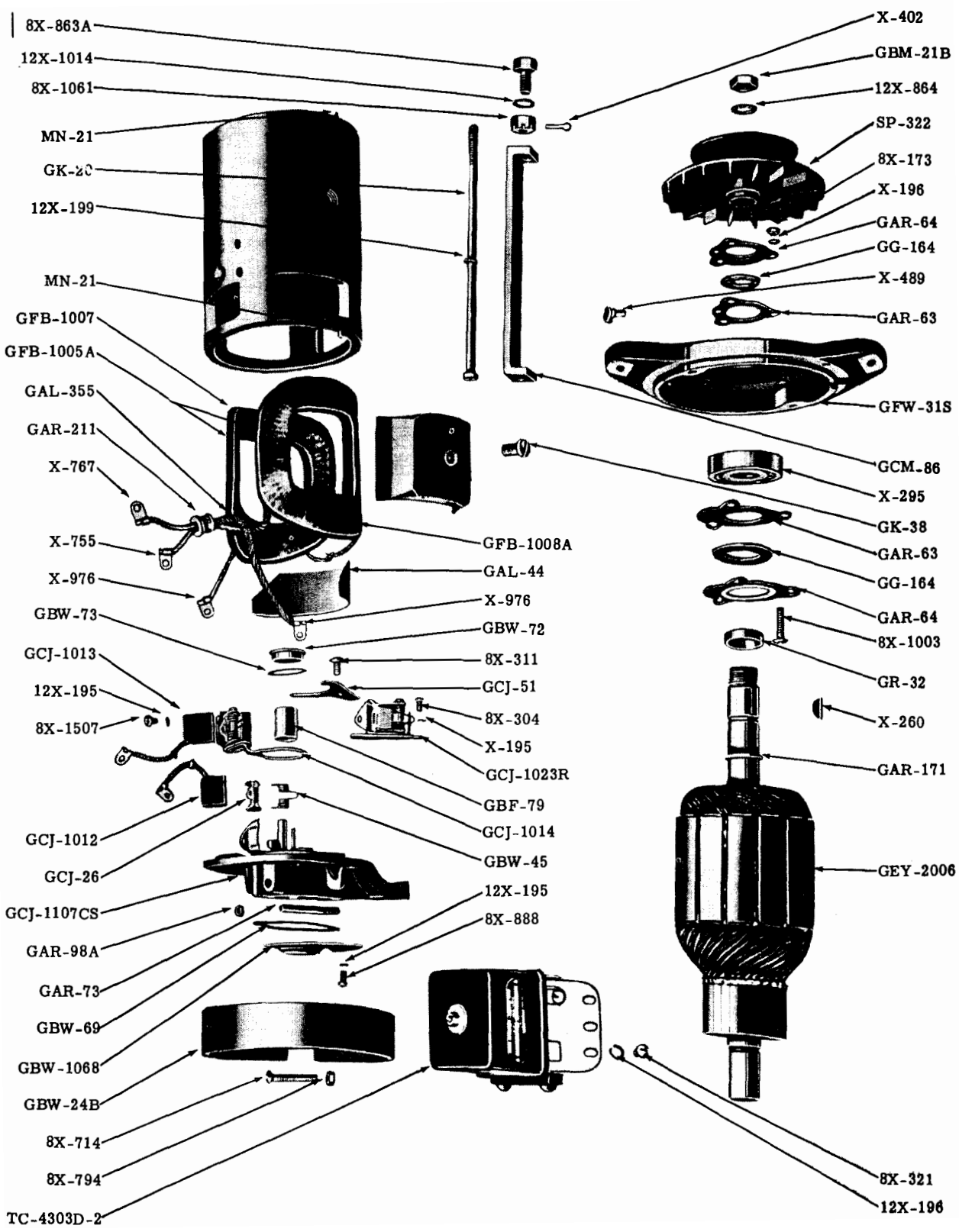
(Issued 6-16-48)

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File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GFW-4814A-1, B-1 GENERATOR PARTS ILLUSTRATION



Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GFB-2073	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GBM-113	1	Lead Assembly
GCE-34	1	Stud, Arm. Term., #14-24
X-1611	1	Terminal
GBW-34	1	Washer, Ins., Field Term., Outer
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Field Term.
GDW-44	1	Washer, Ins., Arm. Term., Outer
GEA-34	1	Insulation, Term. Stud, Inner
GFB-1005E	1	COIL ASSY., FIELD, COMPLETE
GEB-58	1	Stud, Field Term., #10-32
GFB-1007B	1	Coil Assy., Field, Left
X-976	1	Terminal
GFB-1008E	1	Coil, Field, Right
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term., Hex. #14-24
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-349	1	Washer, Plain, Field Term., #10
8X-361	1	Washer, Plain, Arm. Term., 1/4
8X-1377	2	Nut, Field Term., Hex. #10-32
GT-20A	2	Bolt, Thru
12X-196	1	Lockwasher, Ground Sc., #10
12X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

GCJ-2086B	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBW-69	1	Gasket, C. E. Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GBW-1068	1	Cover, Comm. End
GCJ-51	1	Spring, Retaining, 3rd Brush Plate

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
GCJ-1012†	2	Brush, Main
GCJ-1013†	1	Brush, Main
GCJ-1014	1	Plate Assy., 3rd Brush
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1086C	1	Head Assy., Partial, C. E.
GBF-79	1	BEARING, ABS. BRONZE
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1023R	1	Holder Assy., Brush, Grounded
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
X-195	2	Lockwasher, Holder Sc., #8
8X-304	2	Screw, Brush Holder, Rd. Hd. #8-32x5/16
12X-195	4	Lockwasher, Cover Sc., #8
8X-311	1	Screw, Retaining Spring, Rd. Hd. #10-32x3/8
8X-888	4	Screw, C. E. Cover, Fill. Hd. #8-32x5/16
12X-195	3	Lockwasher, Lead Sc., #10
8X-1507	3	Screw, Brush Lead, Bdg. Hd. #8-32x1/4

Armature Assembly & Parts Used With

GAR-1177	1	Oil Thrower
GEY-2091	1	ARMATURE
X-156	1	Nut, Arm. Shaft, D. E.
X-263	1	Key, Woodruff, #8
X-358	1	Washer, Shaft, Plain 1/2
X-404	1	Pin, Cotter

Drive End Head Assy. & Parts Used With

GAR-1096A	1	Head Assy., Drive End
GAR-95	1	Washer, Felt
GAR-96A	1	Head, Drive End
GX-9	1	Retainer, Bearing
GX-10	1	Gasket
X-196	3	Lockwasher, Retainer Sc., #10
8X-311	3	Screw, Brg. Retainer, Rd. Hd. #10-32x3/8
X-378	1	BEARING, BALL, SHIELDED, S. A. E. #204

(Continued on Reverse Side)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GFW-4815, P GENERATOR PARTS (Continued)

Miscellaneous Parts

Part No.	No. Used	Name of Part
GBW-1024LS	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GCJ-2012S.

NOTE: TC-4331A TWO CHARGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GFW-4815, P	Nordberg

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking su -parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GFB-2081)	1	Frame & Field Assembly
GAL-44	1	Insulation, Field Connection
GAR-211	1	Bushing, Insulating
GFB-1005A	1	COIL ASSY., FIELD, COMPLETE
GFB-1007	1	Coil Assy., Field, Left
GAL-355	1	Lead Assy.
X-755	1	Terminal
X-976	1	Terminal
X-976	1	Terminal
GFB-1008A	1	Coil Assy., Field, Right
X-767	1	Terminal
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
GK-20A	2	Bolt, Thru
12X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

GCJ-2107AS	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBW-69	1	Gasket, C.E. Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Retaining
GBW-1068	1	Cover, Comm. End
GCJ-51	1	Spring, Retaining, 3rd Brush Plate
GCJ-1012 †	2	Brush, Main
GCJ-1013 †	1	Brush, Third
GCJ-1014	1	Plate Assy., 3rd Brush
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1107CS	1	Head Assy., Partial, C.E.
GBF-79	1	BEARING, ABS. BRONZE
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1023R	1	Holder Assy., Brush, Grounded
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
X-195	2	Lockwasher, Br. Holder Sc., #8
8X-304	2	Screw, Brush Holder, Rd. Hd. #8-32x5/16
12X-195	4	Lockwasher, Cover Sc., #8
8X-311	1	Screw, Retaining Spring, Rd. Hd. #10-32x3/8
8X-888	4	Screw, Cover, Fill. Hd. #8-32x5/16
12X-195	3	Lockwasher, Brush Lead Sc., #8
8X-1507	3	Screw, Brush Lead, Bdg. Hd. #8-32x1/4

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GBM-21B	1	Nut, Shaft, D.E.
GEY-2117	1	ARMATURE
GFW-34	1	Spacer, Shaft
SP-816	1	Pulley, Drive
X-263	1	Key, Woodruff, #8
12X-964	1	Lockwasher, Shaft

Drive End Head Assy. & Parts Used With

GFW-1032	1	Head Assy., Drive End
GAR-178	2	Retainer, Bearing
GAR-179	2	Retainer, Felt Washer
GFW-32	1	Head
GJ-147	2	Washer, Felt
8X-173	3	Nut, Retainer Sc., Hex. #10-32
12X-196	3	Lockwasher, Retainer Sc., #10
X-298	1	BEARING, BALL, S.A.E. #204
8X-306	3	Screw, Retainer, Rd. Hd. #10-32x1
X-489	1	Oiler

Miscellaneous Parts

GBW-24B	1	Band, Cover
TC-4303D	1	REGULATOR, TWO CHARGE
12X-196	4	Lockwasher, Regulator Mtg. Sc., #10
8X-321	4	Screw, Regulator Mtg., Rd. Hd. #10-32x5/16
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GCJ-2012S.

UNIT	APPLICATION
GFW-4816A-1	Worthington Pump

(Issued 10-18-48)

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
	1 2 3 4 5	
GCM-77	1	Bracket, Mounting, Generator
(GFB-3075)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GAR-211	1	Bushing, Insulating
GFB-2005B	1	COIL ASSY., FIELD, COMP.
GFB-2007	1	Coil Assy., Field, Left
X-976	1	Terminal
GFB-2008A	1	Coil Assy., Field, Right
GAL-355	1	Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-767	1	Terminal
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
GK-20A	2	Bolt, Thru
X-199	2	Lockwasher, Thru, Bolt, 1/4
X-402	2	Pin, Cotter, Mtg. Bracket Screw 1/16x3/4
8X-863A	2	Screw Mtg. Bracket, Hex. Hd., 5/16-24x1 1/4
X-1014	2	Lockwasher, Mtg. Bracket Sc., 5/16
8X-1061	2	Nut, Mtg. Bracket Screw, Castellated, Hex., 5/16-24

Comm. End Head Assembly & Parts Used With

GCJ-3119S	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBW-69	1	Gasket, C.E. Cover
GBW-72	1	Oil, Guard
GBW-73	1	Gasket, Oil Guard
GBW-1068	1	Cover, Comm. End
GCJ-51	1	Spring, Retaining 3rd Brush
GCJ-1012†	2	Brush, Main
GCJ-1013†	1	Brush, Third
GCJ-1014L	1	Plate Assy., 3rd Brush
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1119AS	1	Head Assy., Partial C.E.
GBF-79	1	BEARING, ABS. BRONZE
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1023L	1	Holder Assy., Brush, Grounded
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
X-195	4	Lockwasher, Cover Sc., #8
8X-311	1	Screw, Plate Retaining, Rd. Hd., #10-32x3/8
8X-888	4	Screw, Cover Fil. Hd., #8-32x5/16
GR-32	1	Retainer, Felt Washer
X-195	3	Lockwasher, Brush Lead Sc., #8
8X-1507	3	Screw, Brush Lead, Bdg. Hd. #8-32x1/4
	1 2 3 4 5	

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
	1 2 3 4 5	
GBM-21B	1	Nut, Shaft, Hex., .669-20
GEY-2120	1	ARMATURE
GAR-171	1	Snap, Ring
GFW-36	1	Spacer, Armature Shaft
SP-826S	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
X-864	1	Lockwasher, Shaft, C.E.

Drive End Head Assembly & Parts Used With

GFW-1035S	1	Head Assy., Drive End
GAR-63	2	Retainer, Felt Washer
GAR-64	2	Retainer, Bearing
GFW-35S	1	Head
GG-164	2	Washer, Felt
8X-173	3	Nut, Hex., #10-32
X-295	1	BEARING, BALL
X-489	1	Oiler, Press in Type, 1/4
8X-1003	3	Screw, Retainer, Rd. Hd. #10-32x7/8
X-196	3	Lockwasher, Retainer Sc. #10

Miscellaneous Parts

GBW-24B	1	Band, Cover
TC-4303D	1	REGULATOR, TWO CHARGE
X-196	4	Lockwasher, Regulator Mtg. #10
8X-321	4	Screw, Regulator Mtg., Rd. Hd., #10-32x5/16
8X-714	1	Screw, Cover Band, Rd. Hd., #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32
	1 2 3 4 5	

† BRUSH SET, SERVICE GCJ-2012S.

UNIT	APPLICATION
GFW-4817A-1	R.H. Sheppard Co. & Atlas Imperial Diesel Eng. Co.

(Issued 8-19-47)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GCM-71	1	Bracket, Gen. Mtg.
(GFB-2065)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GAR-211	1	Bushing, Lead Ins.
GFB-1005A	1	COIL ASSY., FIELD, COMPLETE
GBF-1007	1	Coil Assy., Field, Left
GAL-355	1	Lead Assembly
X-755	1	Terminal
X-976	1	Terminal
X-976	1	Terminal
GFB-1008A	1	Coil Assy., Field, Right
X-767	1	Terminal
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
GK-20A	2	Bolt, Thru
12X-199	2	Lockwasher, Thru Bolt, 1/4
X-402	2	Pin, Cotter, Brkt. Sc.
8X-863A	2	Screw, Mtg. Brkt., Hex. Hd. 5/16-24x1 1/4
12X-1014	2	Lockwasher, Bracket Sc., 5/16
8X-1061	2	Nut, Brkt. Sc., Castellated 5/16-24

Comm. End Head Assembly & Parts Used With

GCJ-2107AS	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBW-69	1	Gasket, C.E. Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GBW-1068	1	Cover, Comm. End
GCJ-51	1	Spring, Retaining, 3rd. Brush Plate
GCJ-1012†	2	Brush, Main
GCJ-1013†	1	Brush, Third
GCJ-1014	1	Plate Assy., 3rd. Brush
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1107CS	1	Head Assy., Partial, C.E.
GBF-79	1	BEARING, ABS. BRONZE
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1023R	1	Holder Assy., Brush, Grounded
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
12X-195	2	Lockwasher, Holder Sc., #8
8X-304	2	Screw, Br. Holder, Rd. Hd. #8-32x5/16
12X-195	4	Lockwasher, Cover Sc., #8

Comm. End Head Assy. (Cont'd.)

Part No.	No. Used	Name of Part
8X-311	1	Screw, Retaining Spring, Rd. Hd. #10-32x3/8
8X-888	4	Screw, Cover, Fill. Hd. #8-32x5/16
12X-195	3	Lockwasher, Brush Lead Sc.,#8
8X-1507	3	Screw, Brush Lead, Bdg. Hd. #8-32x1/4

Armature Assembly & Parts Used With

GEY-2006	1	ARMATURE ASSY.
GAR-171	1	Snap Ring
GR-32	1	Retainer, Felt Washer
SP-357	1	Nut, Arm. Shaft, D.E.
SP-460	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

GBJ-1003C	1	Head Assy., Drive End
GAR-63	2	Retainer, Felt Washer
GAR-64	2	Retainer, Bearing
GBJ-3C	1	Head, Drive End
GG-164	2	Washer, Felt
8X-173	3	Nut, Retainer Sc., Hex. #10-32
X-196	3	Lockwasher, Retainer Sc., #10
X-295	1	BEARING, BALL, S.A.E. #203
X-489	1	Oiler
8X-1003	3	Screw, Retainer, Rd. Hd. #10-32x7/8

Miscellaneous Parts

GBW-24B	1	Band, Cover
TC-4310A	1	REGULATOR, TWO CHARGE
12X-196	4	Lockwasher, Reg. Mtg. Sc.,#10
8X-321	4	Screw, Reg. Mtg., Rd. Hd. #10-32x5/16
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GCJ-2012S.

UNIT	APPLICATION
GFW-4818A-1	U.S. Motors

(Issued 4-4-50)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
*	1	Bracket, Mounting, Generator
(GFB-2065)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GAR-211	1	Bushing, Insulating
GFB-1005A	1	COIL ASSY., FIELD, COMP.
GFB-1007	1	Coil Assy., Field, Left
GAL-355	1	Lead Assy.
X-755	1	Terminal
X-976	1	Terminal
X-976	1	Terminal
GFB-1008A	1	Coil Assy., Field, Right
X-767	1	Terminal
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
GK-20A	2	Bolt, Thru
12X-199	2	Lockwasher, Thru Bolt, 1/4
*	2	Pin, Cotter, Mtg. Bracket Screw, 1/16-3/4
*	2	Screw, Mounting Bracket, Hex. Hd., 5/16-24x1 1/4
*	2	Lockwasher, Mtg., Bracket Screw 5/16
*	2	Nut, Mtg. Bracket Sc., Castellated 5/16-24

Comm. End Head Assembly & Parts Used With

GCJ-2107AS		Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBW-69	1	Gasket, C.E. Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Retaining
GBW-1068	1	Cover, Comm. End
GCJ-51	1	Spring, Retaining, 3rd Brush Plate
GCJ-1012 †	2	Brush, Main
GCJ-1013 †	1	Brush, Third
GCJ-1014	1	Plate Assy., 3rd Brush
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1107CS	1	Head Assy., Partial, Comm. End
GBF-79	1	BEARING, ABS. BRONZE
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1023R	1	Holder Assy., Brush Grounded
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
X-195	2	Lockwasher, Brush Holder #8
8X-304	2	Screw, Brush Holder, Rd. Hd., #8-32x5/16
12X-195	4	Lockwasher, Cover Sc., #8

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
8X-311	1	Screw, Retaining Spring Rd. Hd., #10-32x3/8
8X-888	4	Screw, Cover, Fil. Hd. #8-32x5/16
12X-195	2	Lockwasher, Brush Lead Sc., #8
8X-1507	2	Screw, Brush Lead, Bdg. Hd. #8-32x1/4

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Shaft, Hex., .669-20
GEY-2006	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GR-32	1	Retainer, Felt Washer
*	1	Pulley Drive
X-260	1	Key, Woodruff, #5
12X-864	1	Lockwasher, Shaft

Drive End Head Assembly & Parts Used With

GFW-1031S	1	Head Assy., Drive End
GAR-63	2	Retainer, Felt Washer
GAR-64	2	Retainer, Bearing
GFW-31S	1	Head
GG-164	2	Washer, Felt
8X-173	3	Nut, Retainer Sc., Hex. #10-32
X-196	3	Lockwasher, Retainer Sc. #10
X-295	1	BEARING, BALL S.A.E. #203
X-489	1	Oiler, Press in Type 1/4
8X-1003	3	Screw, Retainer Rd. Hd. #10-32x7/8

Miscellaneous Parts

GBW-24B	1	Band, Cover
TC-4303D	1	REGULATOR, TWO CHARGE
12X-196	4	Lockwasher, Regulator Mtg.,#10
8X-321	4	Screw, Regulator Mtg., Rd. Hd., #10-32x5/16
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

* See table following parts list for part number applying to assembly wanted.

† BRUSH SET SERVICE, GCJ-2012S.

(See Reverse Side)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GFW-4820-1, A-1 GENERATOR PARTS (Con't.)

Assembly No.	Pulley	Mtg. Bracket	Nut	Screw	Lockwasher	Cotter Pin
GFW-4820-1	None	None	None	None	None	None
GFW-4820A-1	SP-322	GCM-66	8X-1061	8X-863A	12X-1014	X-402

UNIT	APPLICATION
GFW-4820-1, A-1	Harnischfeger Corp.

(Issued 8-24-48)

Printed in U. S. A.

File in
Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GFB-2085)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term., Outer
GAL-44	1	Insulation, Field Connection
GBM-113	1	Lead Assembly
GCE-34	1	Stud, Arm. Term., #14-24
X-1611	1	Terminal
GBW-34	1	Washer, Ins., Field Term., Outer
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Field Term.
GEA-34	1	Insulation, Term. Stud, Inner
GFB-1005E	1	COIL ASSY., FIELD, COMPLETE
GEB-58	1	Stud, Field Term., #10-32
GFB-1007B	1	Coil Assy., Field, Left
X-976	1	Terminal
GFB-1008E	1	Coil, Field, Right
GFW-33S	1	Bracket, Gen. Mtg.
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
8X-113	4	Screw, Mtg. Brkt., Hex. Hd. 5/16-24x5/8
8X-177	2	Nut, Arm. Term., Hex. #14-24
12X-193	2	Lockwasher, Arm. Term., #14
12X-196	2	Lockwasher, Field Term., #10
8X-349	1	Washer, Plain, Field Term., #10
8X-361	1	Washer, Plain, Arm. Term., 1/4
12X-1014	4	Lockwasher, Brkt. Sc., 5/16
8X-1377	2	Nut, Field Term., Hex. #10-32
GT-20A	2	Bolt, Thru
12X-196	1	Lockwasher, Ground Sc., #10
12X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

GCJ-2086B	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBW-69	1	Gasket, C.E. Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GBW-1068	1	Cover, Comm. End

Comm. End Head Assy. (Continued)

Part No.	No. Used	Name of Part
GCJ-51	1	Spring, Retaining, 3rd. Brush Plate
GCJ-1012†	2	Brush, Main
GCJ-1013†	1	Brush, Third
GCJ-1014	1	Plate Assy., 3rd Brush
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1086C	1	Head Assy., Partial, C.E.
GBF-79	1	BEARING, ABS. BRONZE
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1023R	1	Holder Assy., Brush, Grounded
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
X-195	2	Lockwasher, Holder Sc., #8
8X-304	2	Screw, Brush Holder, Rd. Hd. #8-32x5/16
12X-195	4	Lockwasher, Cover Sc., #8
8X-311	1	Screw, Retaining Spring, Rd. Hd. #10-32x3/8
8X-888	4	Screw, C.E. Cover, Fill. Hd. #8-32x5/16
12X-195	3	Lockwasher, Brush Lead Sc., #8
8X-1507	3	Screw, Brush Lead, Bdg. Hd. #8-32x1/4

Armature Assembly & Parts Used With

GBW-21B	1	Nut, Arm. Shaft, D.E.
GEY-2006	1	ARMATURE ASSY.
GAR-171	1	Snap Ring
GJ-104	1	Spacer, Arm, Shaft
X-260	1	Key, Woodruff, #5
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

GAL-1063	1	Head Assy., Drive End
GAL-63	1	Head, Drive End
GG-6	2	Retainer, Bearing
GG-164	1	Washer, Felt
GK-176	1	Retainer, Felt Washer
8X-173	3	Nut, Retainer Sc., Hex. #10-32
X-196	3	Lockwasher, Retainer Sc., #10
X-295	1	BEARING, BALL, S.A.E. #203
8X-316	3	Screw, Retainer, Rd. Hd. #10-32x3/4
X-489	1	Oiler

(Continued on Reverse Side)

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File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Miscellaneous Parts

Part No.	No. Used	Name of Part
GBW-24J	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GCJ-2012S.

NOTE: TC-4331B TWO CHARGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GFW-4823	U.S. Motors

(Issued 3-2-50)

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File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GFB-3090	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GBM-113	1	Lead Assembly
GCE-34	1	Stud, Arm. Term., #14-24
X-1611	1	Terminal
GBW-34	1	Washer, Ins., Field Term., Outer
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Field Term.
GDW-44	1	Washer, Ins., Arm. Term., Outer
GEA-34	1	Insulation, Term. Stud, Inner
GFB-2005D	1	COIL ASSY., FIELD COMPLETE
GEB-58	1	Stud, Field Term., #10-32
GFB-1008E	1	Coil, Field, Right
GFB-2007	1	Coil Assy., Field, Left
X-976	1	Terminal
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term., Hex. #14-24
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-349	1	Washer, Plain, Field Term. #10
8X-361	1	Washer, Plain, Arm. Term., 1/4
8X-1377	2	Nut, Field Term., Hex. #10-32
GT-20A	2	Bolt, Thru
12X-196	1	Lockwasher, Ground Sc., #10
12X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

GCJ-3085B	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBW-69	1	Gasket, C.E. Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GBW-1068	1	Cover, Comm. End
GCJ-51	1	Spring, Retaining, 3rd. Brush Plate
GCJ-1012†	2	Brush, Main
GCJ-1013†	1	Brush, Third
GCJ-1014L	1	Plate Assy., 3rd Brush
GBW-45	1	Spring, Brush

Comm. End Head Assembly (Cont.)

Part No.	No. Used	Name of Part
GCJ-26	1	Arm, Brush
GCJ-1085C	1	Head Assy., Partial, C.E.
GBF-79	1	BEARING, ABS. BRONZE
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1023L	1	Holder Assy., Brush, Grounded
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
12X-195	2	Lockwasher, Holder Sc., #8
8X-304	2	Screw, Br. Holder, Rd. Hd. #8-32x5/16
12X-195	4	Lockwasher, Cover Sc., #8
8X-311	1	Screw, Retaining Spring, Rd. Hd. #10-32x3/8
8X-888	4	Screw, Cover, Fill. Hd. #8-32x5/16
12X-195	3	Lockwasher, Lead Sc., #8
8X-1507	3	Screw, Brush Lead, Bdg. Hd. #8-32x1/4

Armature Assembly & Parts Used With

GAR-1177	1	Oil Thrower
GEY-2091	1	ARMATURE
X-156	1	Nut, Arm. Shaft, D.E.
X-263	1	Key, Woodruff, #8
X-358	1	Washer, Shaft, D.E., Plain 1/2
X-404	1	Pin, Cotter

Drive End Head Assembly & Parts Used With

GFA-1036	1	Head Assy., Drive End
GAR-95	1	Washer, Felt
GFA-36	1	Head, Drive End
GX-9	1	Retainer, Bearing
GX-10	1	Gasket
12X-196	3	Lockwasher, Retainer Sc., #10
8X-311	3	Screw, Retainer, Rd. Hd. #10-32x3/8
X-378	1	BEARING, BALL, SHIELDED S.A.E. #204

(Continued on Reverse Side)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GFW-4824 GENERATOR PARTS (Cont.)

Miscellaneous Parts

Part No.	No. Used	Name of Part
GBW-1024LS	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

NOTE: TC-4331A TWO CHARGE REGULATOR is used with but is not a part of this generator.

† BRUSH SET, SERVICE GCJ-2012S.

UNIT	APPLICATION
GFW-4824	Nordberg

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

(Issued 10-20-53)

Frame and Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GFB-2092	1	Frame & Field Assembly
GAL-44	1	Insulation, Field Connection
GAR-211	1	Bushing, Insulating
GFB-1005	1	COIL ASSY., FIELD COMPLETE
GFB-1007	1	Coil Assy., Field, Left
GAL-355	1	Lead Assembly
X-755	1	Terminal
X-976	1	Terminal
X-976	1	Terminal
GFB-1008	1	Coil Assy., Field, Right
X-959	1	Terminal
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
8X-140	1	Nut, Ground Sc., Hex. #6-32
12X-194	1	Lockwasher, Grd. Sc., #6
8X-1008	1	Screw, Field Ground, Rd. Hd. #6-32x9/16
GK-20A	2	Bolt, Thru
12X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

GCJ-2012S	1	BRUSH SET, SERVICE
GEO-2032S	1	Head Assy., Comm. End
GCJ-51	1	Spring, Retaining, 3rd Brush Plate
GCJ-1014	1	Plate Assy., 3rd Brush
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GEO-1032S	1	Head Assy., Partial, C. E.
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1023R	1	Holder Assy., Brush, Grounded
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
X-195	2	Lockwasher, Holder Screw, #8
8X-304	2	Screw, Brush Holder Rd. Hd. #8-32x5/16
8X-311	1	Screw, Spring, Rd. Hd. #10-32x3/8
12X-195	3	Lockwasher, Lead Screw, #8
8X-1507	3	Screw, Brush Lead, Bdg. Hd. #8-32x1/4
X-1580	1	BEARING, BALL, SEALED S. A. E. #202

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GAL-310	1	Spacer, Arm. Shaft
GEO-30	1	Coupling
GEO-31	1	Washer, Coupling Retaining
GEY-2101	1	ARMATURE
GK-174	1	Washer, Shaft, D. E. Plain
X-63	1	Screw, Coupling Mtg., Flat Hd. #8-32x3/8
X-156	1	Nut, Arm. Shaft, D. E.
X-260	1	Key, Woodruff, C. E., #5
X-263	1	Key, Woodruff, D. E., #8
X-404	1	Pin, Cotter

Drive End Head Assy. & Parts Used With

GEO-1033S	1	Head Assy., Drive End
DB-17	1	Washer, Plain, Felt Retaining
GAR-95	1	Washer, Felt, Inner
GBC-25	1	Retainer, Felt Washer, Inner
GEO-33S	1	Head, Drive End
GG-164	1	Washer, Felt, Outer
GX-9	1	Retainer, Bearing
X-196	3	Lockwasher, Retainer Screw, #10
X-298	1	Bearing, BaLL S. A. E #204
8X-311	3	Screw, Brg. Retainer, Rd. Hd. #10-32x3/8
X-489	1	Oiler

Miscellaneous Parts

GBW-24B	1	Band, Cover
RA-4002	1	Relay Assy., Cut-Out
CB-123	1	Spring, Armature
CB-160S	1	Cover, Relay
PX-55	1	Screw, Bdg. Hd. #10-32x3/16
X-196	2	Lockwasher, #10
8X-312	1	Screw, Rd. Hd. #10-32x1/4
12X-196	2	Lockwasher, Mtg. Sc., #10
8X-321	2	Screw, Relay Mtg., Rd. Hd. #10-32x5/16
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

UNIT	APPLICATION
GFW-4825	Chris Craft

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File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GFW-4826 GENERATOR PARTS LIST

GFW-4826
(Issued 1-29-54)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GFB-3093	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GAR-211	1	Bushing, Insulating
GFB-2005	1	COIL ASSY., FIELD COMPLETE
GFB-2007	1	Coil Assy., Field, Left
X-976	1	Terminal
GFB-2008	1	Coil Assy., Field, Right
GAL-354	1	Lead Assembly
X-755	1	Terminal
X-1425	1	Terminal
X-959	1	Terminal
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
8X-140	1	Nut, Ground Sc., Hex. #6-32
12X-194	1	Lockwasher, Ground Sc., #6
8X-1008	1	Screw, Field Ground, Rd. Hd. #6-32x9/16
GK-20A	2	Bolt, Thru
12X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

GCJ-2012S	1	BRUSH SET, SERVICE
GEO-3002S	1	Head Assy., Comm. End
GCJ-51	1	Spring, Retaining, 3rd Brush Plate
GCJ-1014L	1	Plate Assy., 3rd. Brush
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GEO-1002	1	Head Assy., Partial, C.E.
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1023L	1	Holder Assy., Brush, Grounded
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
X-195	2	Lockwasher, Holder Screw #8
8X-304	2	Screw, Brush Holder, Rd. Hd. #8-32x5/16
8X-311	1	Screw, Retaining Spring, Rd. Hd. #10-32x3/8
12X-195	3	Lockwasher, Lead Sc., #8
8X-1507	3	Screw, Brush Lead, Bdg. Hd. #8-32x1/4
X-1580	1	BEARING, BALL, SEALED, S.A.E. #202

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GAL-310	1	Spacer, Arm. Shaft
GEO-30	1	Coupling
GEO-31	1	Washer, Coupling Retaining
GEY-2101	1	ARMATURE
GK-174	1	Washer, Shaft, D.E. Plain
X-63	1	Screw, Coupling Mtg., Flat Hd. #8-32x3/8
X-156	1	Nut, Arm. Shaft, D.E.
X-260	1	Key, Woodruff, C.E. #5
X-263	1	Key, Woodruff, D.E. #8
X-404	1	Pin, Cotter

Drive End Head Assembly & Parts Used With

GEO-1003	1	Head Assy., Drive End
DB-17	1	Washer, Plain, Felt Retaining
GAR-95	1	Washer, Felt, Inner
GBC-25	1	Retainer, Felt Washer, Inner
GEO-3	1	Head, Drive End
GG-164	1	Washer, Felt, Outer
GX-9	1	Retainer, Bearing
X-196	3	Lockwasher, Retainer Sc., #10
X-298	1	BEARING, BALL, S.A.E. #204
8X-311	3	Screw, Brg. Retainer, Rd. Hd. #10-32x3/8
X-489	1	Oiler

Miscellaneous Parts

GBW-24B	1	Band, Cover
RA-4002	1	RELAY ASSY., CUT-OUT
CB-123	1	Spring, Armature
CB-160S	1	Cover, Relay
PX-55	1	Screw, Bdg. Hd. #10-32x3/16
X-196	2	Lockwasher, #10
8X-312	1	Screw, Rd. Hd. #10-32x1/4
12X-196	2	Lockwasher, Mtg. Sc., #10
8X-321	2	Screw, Relay Mtg., Rd. Hd. #10-32x5/16
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

UNIT	APPLICATION
GFW-4826	Chris Craft, Hercules

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GFY-20	2	Bolt, Thru
GFY-34	2	Gasket, Thru Bolt
(GFY-3001)	1	Frame & Field Assy.
GAU-45	1	Insulation, Field Connection
GBY-38A	4	Screw, Pole Shoe
GFY-2005	1	COIL ASSY., FIELD, COMPLETE
GFY-1007	1	Coil Assy., Field, Left
GAL-261	1	Lead Assy.
X-1425	1	Terminal
X-959	1	Terminal
GFY-1008	1	Coil, Field, Right
MN-21	2	Pin, Dowel
8X-140	1	Nut, Field Ground Sc., Hex. #6-32
8X-194	1	Lockwasher, Field Grd. Sc., #6
X-755	1	Terminal, Armature
X-767	1	Terminal, Field
8X-1420	1	Screw, Field Ground Flat Hd. #6-32x9/16
8X-159	2	Nut, Thru Bolt, Hex. 3/8-24
12X-196	1	Lockwasher, Ground Screw, #10
12X-201	2	Lockwasher, Thru Bolt, 3/8
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

DA-22	1	Washer, Bearing Retaining
DA-39	1	Washer, Plain, Felt Retaining
DA-60	1	Screw, Bearing Retaining
GBJ-25	1	Gasket, C.E. Cover
GBJ-32A	1	Cover, Comm. End
GFY-28	1	Washer, Felt
GFY-3027	1	Head Assy., Comm. End
GBY-25A	2	Spring, Brush
GBY-34A	2	Arm, Brush
GFY-1012	2	BRUSH
12X-195	2	Lockwasher, Brush Lead Sc., #8
12X-196	3	Lockwasher, Cover Screw, #10
12X-199	1	Lockwasher, Brg. Retaining Sc., 1/4
X-295	1	BEARING, BALL, S.A.E. #203
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler
8X-870	3	Screw, Cover, Fill. Hd. #10-32x5/16

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
DG-1144	1	Oil Thrower
GFY-22	1	Spacer, Arm Shaft
GFY-38	1	Washer, Shaft, D.E., Plain 1/2
GFY-2092F	1	ARMATURE
X-156	1	Nut, Shaft, D.E. Castellated 1/2-20
X-263	1	Key, Woodruff, #8
X-404	1	Pin, Cotter, 3/32x1
XA-694	1	Oil Seal, Drive End

Drive End Head Assembly & Parts Used With

GFY-1023	1	Head Assy., Drive End
GFY-23	1	Head, Drive End
GFY-32	1	Retainer, Bearing
GFY-33	1	Gasket, Bearing Retainer
8X-119	4	Screw, Bearing, Retainer Fill. Hd. #10-32x1/2
8X-196	4	Lockwasher, Retainer Sc., #10
X-489	1	Oiler
X-2970	1	BEARING, BALL

Miscellaneous Parts

GFY-39	1	Lead Assy., Ground, Reg.
X-755	2	Terminal
GFY-1024A	1	Band, Cover
VAK-13	1	Gasket, Regulator Mtg.
VAK-4001	1	VOLTAGE REGULATOR
8X-119	4	Screw, Regulator Mtg., Fill. Hd. #10-32x1/2
12X-196	4	Lockwasher, Reg. Mtg. Sc., #10
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

UNIT	APPLICATION
GFY-4802	Caterpillar Tractor

(Issued 4-1-49)

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GDJ-38	4	Washer, Insulating Field Term.
*	1	Frame & Field Assy.
GBF-55	1	Washer, Ins., Field Term.,Outer
GBG-27A	1	Lead Assembly
GBG-121A	1	Terminal, 2 Wire
X-1425	2	Terminal
GCY-27	1	Bushing, Ins., Field Term.
GCY-28	1	Bushing, Ins., Arm. Term.
GDJ-36	1	Stud Arm. Term., 5/16-24
GDJ-37	1	Stud, Field Term., #10-32
GDJ-66	1	Insulation, Arm. Term., Inner
GDJ-67	1	Insulation, Field Term., Inner
GDJ-68	1	Insulation, Field Term., Inner (formed)
GFR-1005	1	COIL ASSY., FIELD COMPLETE
GFR-1007B	1	Coil Assy., Field, U.R.
GBG-26	1	Terminal
GFR-1008	1	Coil, Field, L.L.
GFR-1009	1	Coil, Field, L.R.
GFR-1010	1	Coil Assy., Field, U.L.
X-1425	1	Terminal
SS-179	3	Insulating Tube
*	2	Condenser
MU-36	1	Washer, Ins., Arm. Term.,Outer
MU-37	1	Washer, Plain, Arm. Term., 5/16
*	2	Screw, Cond. Mtg., Flat Hd., #8-32x9/16
8X-183A	1	Washer, Plain, Field Term.,#10
12X-196	2	Lockwasher Field Term., #10
12X-1014	2	Lockwasher, Arm. Term., 5/16
8X-1376	2	Nut, Arm. Term., Hex.,5/16-24
8X-1377	2	Nut, Field Term., Hex.,#10-32
MBD-145	1	Washer, Insulating, Arm. Term.
8X-321	1	Screw, Ground Rd. Hd., #10-32x 5/16
X-1270	2	Washer, Field Term., Skpf.,#10
X-1284	3	Washer, Arm. Term., Skpf., 5/16
8X-1610	1	Nut, Arm. Term., Hex., 5/16-24
X-1737	2	Washer, Field Term., Skpf., #10

Comm. End Head Assembly & Parts Used With

DA-60	1	Screw, Brg. Retaining, Hex. Hd., 1/4-28x5/8
GBG-66	1	Washer, Bearing Retaining
GCE-40	2	Washer, Felt Retaining
GDJ-23	1	Washer, Spring
GDJ-24	1	Washer, Felt
GDJ-27	1	Gasket, C.E. Cover
GDJ-63A	1	Cover, Comm. End
GDJ-2064	1	Head Assembly, Comm. End
GBY-34	4	Arm, Brush
GCE-53	4	Spring, Brush
GDJ-1012†	4	Brush
		1 2 3 4 5

Comm. End Head Assembly & Parts(Con't)

Part No.	No. Used	Name of Part
		1 2 3 4 5
8X-118	6	Screw, C.E. Head, Fil. Hd. #10-32x3/4
8X-119	4	Screw, C.E. Cover, Fil. Hd., #10-32x1/2
12X-195	4	Lockwasher, Brush Lead Sc., #8
12X-196	10	Lockwasher C.E. Head & Cover Sc., #10
12X-199	1	Lockwasher, Brg. Retaining Screw, 1/4
8X-305	4	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler, Press in Type, 1/4
X-1528	1	BALL BEARING, SAE #205

Armature Assembly & Parts Used With

GBG-49	2	Spacer, Armature Shaft
GBG-81	1	Snap Ring
GFZ-2065F	1	ARMATURE
SP-227A	1	Fan, Ventilating
SP-649	1	Pulley, Drive
8X-158	1	Nut, Armature Shaft, Hex., 1/2-20
12X-198	1	Lockwasher, Arm. Shaft, 1/2
X-261	1	Key, Woodruff, D.E.,#6
X-263	1	Key, Woodruff, D.E., #8
8X-358	1	Washer, Plain, Arm. Shaft, 1/2

Drive End Head Assembly & Parts Used With

GBG-1098	1	Head Assy., Drive End
GBG-50	1	Gasket, Bearing Retainer
GBG-57	1	Retainer, Felt Washer, Outer
GBG-58	1	Washer, Felt
GBG-98	1	Head
GBG-1056	1	Retainer Assy., Bearing
GBG-56	1	Retainer, Bearing
GBG-57	1	Retainer, Felt Washer
GBG-58	1	Washer, Felt
8X-119	4	Screw, Retainer, Fil. Hd., #10-32x1/2
X-196	4	Lockwasher, Retainer Sc.,#10
X-444	1	Bearing, Ball, S.A.E. #305
8X-118	6	Screw, D.E. Head, Fil. Hd., #10-32x3/4
X-394	1	Oiler, Sleeve, 1/2-20
12X-544	6	Lockwasher, D.E. Head Sc., # 10

Miscellaneous Parts

GBG-24B	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd., #10-32x 1 1/2
8X-794	1	Nut, Cover Band, Square, #10-32
		1 2 3 4 5

(Continued on Page 2)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

† BRUSH SET, SERVICE, GDJ-2012S.
* See table following parts list for part number applying to assembly wanted.

NOTE:- VAO-4001AM CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

Assembly No.	Frame & Field Assy.	Condenser	Screw Cond. Mtg
GFZ-4801A	GFR-2109	None	None
GFZ-4801B	GFR-2154	IGH-3076B	8X-78

UNIT	APPLICATION
GFZ4801A	Buda Co. R.H. Sheppard Co. Willys Overland
GFZ-4801B	Willys Overland

(Issued 8-19-47)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GGA-4802 GENERATOR PARTS LIST — GGA-4802 (Issued 6-20-55)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GGA-20	2	Bolt, Thru
GGA-2033	1	Frame & Field Assembly
GAA-32	1	Washer, Ins., Arm. Term. Outer
GAU-45	1	Insulation, Field Connection
GBW-34	1	Washer, Ins., Field Term., Outer
GBY-38A	4	Screw, Pole Shoe
GDD-27	1	Bushing, Ins., Field Term.
GDD-28	1	Bushing, Ins., Arm. Term.
GGA-52	1	Insulation, Term. Stud, Inner
GGA-1005A	1	COIL ASSY., FIELD COMPLETE
GGA-1007A	1	Coil Assy., Field, Left
GCD-79	1	Lead Assembly
X-1425	1	Terminal
GEB-27	1	Stud, Arm. Term. #14-24
GGA-1008A	1	Coil Assy., Field, Right
GEB-58	1	Stud, Field Term. #10-32
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term., Hex. #14-24
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-349	1	Washer, Plain, Field Term., #10
8X-361	1	Washer, Plain, Arm. Term., 1/4
8X-1377	2	Nut Field Term., Hex. #10-32
12X-196	1	Lockwasher, Ground Screw, #10
12X-201	2	Lockwasher, Thru Bolt, 3/8
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

DA-22	1	Washer, Bearing Retaining
DA-60	1	Screw, Bearing Retaining
DB-17	1	Washer, Plain, Felt Retaining
DD-24C	1	Cover, Comm. End
DD-44	1	Gasket, C. E. Cover
GBY-28	1	Washer, Felt
GGA-2031	1	Head Assy., Comm. End
GBY-25	2	Spring, Brush
GBY-1012†	2	Brush

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
GCE-54	2	Arm, Brush
8X-119	3	Screw, Cover, Fill. Hd. #10-32x1/2
12X-195	2	Lockwasher, Lead Screw, #8
12X-196	3	Lockwasher, Cover Screw, #10
12X-199	1	Lockwasher, Brg. Retaining Screw, 1/4
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler
X-867	1	BEARING, BALL, SHIELDED, S. A. E. #303

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Shaft, Hex., D. E.
GCD-95	1	Spacer, Shaft
GFY-2093F	1	ARMATURE
X-263	1	Key, Woodruff, #8
12X-864	1	Lockwasher, Shaft, D. E.

Drive End Head Assembly & Parts Used With

GGA-1032	1	Head Assy., Drive End
GAR-178	2	Retainer, Bearing
GAR-179	2	Retainer, Felt Washer
GGA-32	1	Head, Drive End
GJ-147	2	Washer, Felt
8X-173	3	Nut, Retainer Sc., Hex. #10-32
12X-196	3	Lockwasher, Retainer Screw, #10
X-298	1	BEARING, BALL, S. A. E. #204
8X-306	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1
X-489	1	Oiler

Miscellaneous Parts

GCD-24	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

NOTE: VRX-4001BX CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

† BRUSH SET, SERVICE GCD-2012S.

UNIT	APPLICATION
GGA-4802	Autocar

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCD-20A	2	Bolt, Thru
(GGA-3036)	1	Frame & Field Assy.
GAA-32	1	Washer, Arm. Term. Ins. Outer
GBW-34	1	Washer, Field Term. Ins. Outer
GBY-38A	4	Screw, Pole Shoe
GDD-27	1	Bushing, Field Term. Ins.
GDD-28	1	Bushing, Arm. Term. Ins.
GGA-52	1	Insulation, Term. Stud Inner
GGA-2005	1	Coil Assy., Field Complete
GGA-1007B	1	Coil Assy., Field Left
GEB-58	1	Stud, Field Terminal
GGA-1008B	1	Coil Assy., Field Right
GEB-27	1	Stud, Terminal
X-1425	1	Terminal
SS-179	1	Insulating Tube
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term. Hex. #14-24
12X-193	2	Lockwasher, Arm. Term. #14
12X-196	2	Lockwasher, Field Term. #10
8X-349	1	Washer, Field Term. Plain #10
8X-361	1	Washer, Arm. Term. Plain 1/4
8X-1377	2	Nut, Field Term. Hex. #10-32
8X-159	2	Nut, Thru Bolt, Hex. 3/8-24
12X-196	1	Lockwasher, Ground Screw, #10
12X-201	2	Lockwasher, Thru Bolt, 3/8
8X-321	1	Screw, Ground, Rd. Hd. #10-32x 5/16

Comm. End Head Assembly & Parts Used With

DB-17	2	Washer, Plain, Felt Retaining
DD-44	1	Gasket, C.E. Cover
GBY-28	1	Washer, Felt. C.E. Outer
GCD-27A	1	Cover, Comm. End
GCD-28	1	Washer, Felt, C.E. Inner
GGA-3035	1	Head Assy., Comm. End
GBY-25	2	Spring, Brush
GBY-34	2	Arm Brush
GBY-1012†	2	Brush
12X-195	2	Lockwasher, Brush Lead #8
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler, Hinge Top, Press in, 1/4
8X-726	3	Screw, C.E. Cover, Bdg. Hd. #10-32x7/16
X-867	1	Bearing, Ball, Shielded, S.A.E. #303
X-1270	3	Washer, C.E. Cover, Skpf. #10
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAE-46	1	Spacer, Armature Shaft
GBM-21	1	Nut, Arm. Shaft, C.E., Hex., .669-20
GFY-2096F	1	Armature
SP-817	1	Fan, Ventilating
X-157	1	Nut Shaft, D.E., Slotted 1/2-20
X-260	1	Key, Woodruff, #5
X-263	1	Key, Woodruff #8
X-358	1	Washer, Shaft, Plain 1/2
X-404	1	Pin, Cotter, 3/32x1
12X-864	1	Lockwasher, Shaft, C.E.

Drive End Head Assembly & Parts Used With

GGA-1037	1	Head Assy., Drive End
GFM-4B	4	Screw, Bearing Retainer Fil. Hd. #10-32x1/2
GGA-37	1	Head, Drive End
GGA-39	1	Washer, Felt
GGA-40	1	Retainer, Felt Washer
GGA-42	1	Retainer, Bearing
X-2926	1	Bearing, Ball S.A.E. #304

Miscellaneous Parts

GCD-24B	1	Band. Cover
8X-715	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/4
8X-794	1	Nut, Cover Band, Square #10-32
		1 2 3 4 5

† Brush Set, Service GCD-2012S.

NOTE:- VRX-4001B Current-Voltage Regulator is used with but is not a part of this generator.

UNIT	APPLICATION
GGA-4803	Autocar

(Issued 10-9-46)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCD-20A	2	Bolt, Thru
(GGA-2033)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins. Arm. Term. Outer
GAU-45	1	Insulation, Field Connection
GBW-34	1	Washer, Ins. Field Term. Outer
GBW-66	1	Insulation, Arm. Term. Inner
GBW-67	1	Insulation, Field Term. Inner
GBY-38A	4	Screw, Pole Shoe
GDD-27	1	Bushing, Ins. Field Term.
GDD-28	1	Bushing, Ins. Arm. Term.
GGA-1005A	1	Coil Assy., Field, Comp.
GEB-58	1	Stud, Field Term. #10-32
GGA-1007A	1	Coil Assy., Field, Left
GCD-79	1	Lead Assembly
X-1425	1	Terminal
GEB-27	1	Stud, Arm. Term. #14-24
GGA-1008A	1	Coil, Field, Right
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term. Hex. #14-24
12X-193	2	Lockwasher, Arm. Term. #14
12X-196	2	Lockwasher, Field Term. #10
8X-349	1	Washer, Plain, Field Term. #10
8X-361	1	Washer, Plain, Arm. Term. 1/4
8X-1377	2	Nut, Field Term. Hex. #10-32
8X-159	2	Nut, Thru Bolt, Hex., 3/8-24
12X-196	1	Lockwasher, Ground Sc. #10
12X-201	2	Lockwasher, Thru Bolt, 3/8
8X-321	1	Screw, Ground, Rd. Hd., #10-32x5/16

Comm. End Head Assembly & Parts Used With

DA-22	1	Washer, Brg. Retaining
DA-60	1	Screw, Brg. Retaining
DB-17	1	Washer, Plain, Felt Retaining
DD-24C	1	Cover, Comm. End
DD-44	1	Gasket, C.E. Cover
GBY-28	1	Washer, Felt
GGA-2046	1	Head Assy., Comm. End
GBY-25	2	Spring, Brush
GBY-34	2	Arm, Brush
GBY-1012†	2	Brush
8X-119	3	Screw, Attaching, Cover, Fil. Hd., #10-32x1/2
12X-195	2	Lockwasher, Br. Lead, #8
12X-199	1	Lockwasher, Brg. Retaining Screw, 1/4
8X-305	2	Screw, Brush Lead, Rd. Hd., #8-32x1/4
		1 2 3 4 5

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
X-489	1	Oiler, Hinge Top, Press in, 1/4
12X-544	3	Lockwasher, Cover Holding Sc., #10
X-867	1	Bearing, Ball, Shielded, S.A.E. #303

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Armature Shaft
GFY-2097F	1	Armature
GGA-48	1	Spacer, Armature Shaft
*	1	Pulley, Drive
X-263	1	Key, Woodruff, #8
12X-864	1	Lockwasher, Arm. Shaft

Drive End Head Assembly & Parts Used With

GGA-1047	1	Head Assy., Drive End
GAR-178	2	Retainer, Bearing
GAR-179	2	Retainer, Felt Washer
GGA-47	1	Head
GJ-147	2	Washer, Felt
8X-173	3	Nut, Retainer Sc. Hex. #10-32
12X-196	3	Lockwasher, Retainer Sc. #10
X-298	1	Bearing, Ball S.A.E. #204
8X-306	3	Screw, Brg. Retainer Rd. Hd. #10-32x1
X-489	1	Oiler, Press in Type 1/4

Miscellaneous Parts

GCD-24B	1	Band, Cover
8X-715	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/4
8X-794	1	Nut, Cover Band, Square, #10-32
		1 2 3 4 5

* See table following parts list for part number applying to assembly wanted.

† Brush Set, Service GCD-2012S.

NOTE: VAT-4001A Current-Voltage Regulator is used with but is not a part of this generator.

Assembly No.	Pulley, Drive
GGA-4805A	SP-823
GGA-4805B	SP-825

Unit	Application
GGA-4805A	Ward LaFrance, Volvo (Export)
GGA-4805B	Ward LaFrance

(Issued 11-11-46)

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GGA-4807 GENERATOR PARTS LIST GGA-4807

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GGA-20	2	Bolt, Thru
(GGA-2036)	1	Frame & Field Assembly
GAA-32	1	Washer, Ins. Arm. Term., Outer
GAU-45	1	Insulation, Field Connection
GBW-34	1	Washer, Ins., Field Term.,Outer
GBY-38A	4	Screw, Pole Shoe
GDD-27	1	Bushing, Ins., Field Term.
GDD-28	1	Bushing, Ins. Arm. Term.
GGA-52	1	Insulation, Term. Stud Inner
GGA-1005A	1	COIL ASSY., FIELD, COMPLETE
GGA-1007A	1	Coil Assy., Field, Left
GCD-79	1	Lead Assy.
X-1425	1	Terminal
GEB-27	1	Stud, Arm. Term. #14-24
GGA-1008A	1	Coil, Field, Right
GEB-58	1	Stud, Field Term. #10-32
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term. Hex. #14-24
12X-193	2	Lockwasher, Arm. Term. #14
12X-196	2	Lockwasher, Field Term. #10
8X-349	1	Washer, Plain, Field Term. #10
8X-361	1	Washer, Plain, Arm. Term. 1/4
8X-1377	2	Nut, Field Term. Hex. #10-32
8X-159	2	Nut, Thru Bolt, Hex. 3/8-24
12X-196	1	Lockwasher, Ground Screw, #10
12X-201	2	Lockwasher, Thru Bolt, 3/8
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

DB-17	2	Washer, Plain, Felt Retaining
DD-44	1	Gasket, C.E. Cover
GBY-28	1	Washer, Felt, C.E. Outer
GCD-27A	1	Cover, Comm. End
GCD-28	1	Washer, Felt C.E. Inner
GGA-2057	1	Head Assy., Comm. End
GBY-25	2	Spring, Brush
GBY-34	2	Arm, Brush
GBY-1012†	2	Brush
12X-195	2	Lockwasher, Brush Lead Sc., #8
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler, Hinge Top, Press in, 1/4
8X-726	3	Screw, C.E. Cover, Bdg. Hd. #10-32x7/16
X-867	1	BEARING, BALL SHIELDED, S.A.E. #303
X-1270	3	Washer, C.E. Cover, Skpf. #10
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21B	1	Nut, Armature Shaft
GEH-46	1	Spacer, Shaft
GEH-47	1	Oil Thrower
GFY-2098F	1	ARMATURE
SP-853	1	Fan, Ventilating
X-260	1	Key, Woodruff, #5
12X-864	1	Lockwasher, Shaft, C.E.

Drive End Head Assembly & Parts Used With

GGA-1058S	1	Head Assy., Drive End
DG-72	1	Retainer, Bearing, Inner
G-118	2	Washer, Felt
GEH-44	1	Retainer, Bearing, Outer
GEH-45	2	Retainer, Felt Washer
GGA-58S	1	Head
8X-173	3	Nut, Retainer, Sc. Hex., #10-32
12X-196	3	Lockwasher, Retainer Sc. #10
X-300	1	BEARING: BALL, S.A.E. #205
8X-306	3	Screw, Brg. Retaining Rd. Hd. #10-32x1
X-489	1	Oiler, Press in Type, 1/4

Miscellaneous Parts

GCD-24	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32
		1 2 3 4 5

NOTE:- VAT-4001A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

† BRUSH SET, SERVICE GCD-2012S.

UNIT	APPLICATION
GGA-4807	Ward LaFrance

(Issued 8-18-47)

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCD-20A	2	Bolt, Thru
GGA-60	1	Bracket, Gen. Mtg.
(GGA-2033)	1	Frame & Field Assy.
GAA-32	1	Washer Ins. Arm. Term. Outer
GAU-45	1	Insulation, Field Connection
GBW-34	1	Washer, Ins. Field Term. Outer
GBY-38A	4	Screw, Pole Shoe
GDD-27	1	Bushing, Ins. Field Term.
GDD-28	1	Bushing, Ins. Arm. Term.
GGA-52	1	Insulation, Term. Stud, Inner
GGA-1005A	1	Coil Assy., Field, Complete
GEB-58	1	Stud, Field Term. #10-32
GGA-1007A	1	Coil Assy., Field, Left
GCD-79	1	Lead Assy.
X-1425	1	Terminal
GEB-27	1	Stud, Arm. Term. #14-24
GGA-1008A	1	Coil, Field, Right
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term. Hex. #14-24
12X-193	2	Lockwasher, Arm. Term. #14
12X-196	2	Lockwasher, Field Term. #10
8X-349	1	Washer, Plain, Field Term. #10
8X-361	1	Washer, Plain, Arm. Term. 1/4
8X-1377	2	Nut, Field Term. Hex. #10-32
8X-149	2	Nut, Gen. Mtg. Bracket Hex. Hd. 7/16-14
8X-159	2	Nut, Thru Bolt, Hex. 3/8-24
12X-196	1	Lockwasher, Ground Screw, #10
12X-201	2	Lockwasher, Thru Bolt, 3/8
12X-205	2	Lockwasher, Mtg. Bracket, 7/16
8X-321	1	Screw, Ground, Rd. Hd. #10-32x 5/16
8X-2960	2	Screw, Gen. Mtg. Bracket, Hex. Hd. 7/16-14x1 3/8

Comm. End Head Assembly & Parts Used With

DA-22	1	Washer, Bearing Retaining
DA-60	1	Screw, Bearing, Retaining
DB-17	1	Washer, Plain, Felt Retaining
DD-24C	1	Cover, Comm. End
DD-44	1	Gasket, C.E. Cover
GBY-28	1	Washer, Felt
GGA-2021	1	Head Assy. Comm. End
GBY-25	2	Spring, Brush
GBY-34	2	Arm, Brush
GBY-1012†	2	Brush
8X-119	3	Screw, Cover, Fil. Hd. #10-32x 1/2
12X-195	2	Lockwasher, Brush Lead Sc..#8
		1 2 3 4 5

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
12X-199	1	Lockwasher, Brg. Retaining Sc., 1/4
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-867	1	Bearing, Ball, Sealed, S.A.E. #303
X-489	1	Oiler, Hinge Top, Press in, 1/4
12X-544	3	Lockwasher, Cover Screw, #10

Armature Assembly & Parts Used With

GBM-21	1	Nut, Armature Shaft
GFY-2097F	1	Armature
GGA-48	1	Spacer, Armature Shaft
SP-825	1	Pulley, Drive
X-263	1	Key, Woodruff, #8
12X-864	1	Lockwasher, Shaft

Drive End Head Assembly & Parts Used With

GGA-1043	1	Head Assy., Drive End
GAR-178	2	Retainer, Bearing
GAR-179	2	Retainer, Felt Washer
GGA-43	1	Head
GJ-147	2	Felt, Retainer
8X-173	3	Nut, Retainer Sc. Hex. #10-32
12X-196	3	Lockwasher, Retainer Sc. #10
X-298	1	Bearing, Ball S.A.E. #204
8X-306	3	Screw, Brg. Retainer Rd. Hd. #10-32x1
X-489	1	Oiler, Press in type 1/4

Miscellaneous Parts

GCD-24B	1	Band Cover
8X-715	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/4
8X-794	1	Nut, Cover Band, Square #10-32
		1 2 3 4 5

† Brush Set, Service GCD-2012S.

NOTE:- VAT-4001A Current-Voltage Regulator is used with but is not a part of this generator.

Unit	Application
GGA-4808A	Diamond T

(Issued 10-23-46)

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCD-20A	2	Bolt, Thru
(GGA-3064)	1	Frame & Field Assy.
GAA-32	2	Washer, Arm. Term. Ins. Outer
GBW-34	1	Washer, Field Term. Ins. Outer
GBY-38A	4	Screw, Pole Shoe
GDD-27	1	Bushing, Field Term. Ins.
GDD-28	1	Bushing, Arm. Term. Ins.
GGA-66	1	Insulation, Term. Stud Inner
GGA-2005B	1	Coil Assy., Field Complete
GGA-1007B	1	Coil Assy., Field Left
GEB-58	1	Stud, Field Terminal
GGA-1008E	1	Coil Assy., Field Right
GGA-30	1	Lead Assy.
GEB-27	1	Post Arm. Term., #14-24
X-1425	1	Terminal
GEB-27	1	Stud, Arm. Term. #14-24
X-1425	1	Terminal
SS-179	1	Insulating, Tube
MN-21	2	Pin, Dowel
8X-177	4	Nut, Term. Stud Hex. #14-24
12X-193	4	Lockwasher, Term. Stud #14
12X-196	2	Lockwasher, Field Term. #10
8X-349	1	Washer, Field Term. Plain #10
8X-361	2	Washer, Arm. Term. Plain 1/4
8X-1377	2	Nut, Field Term. Hex. #10-32
8X-159	2	Nut, Thru Bolt, Hex. 3/8-24
12X-201	2	Lockwasher, Thru Bolt, 3/8

Comm. End Head Assembly & Parts Used With

DB-17	2	Washer, Plain, Felt Retaining
DD-44	1	Gasket, C.E. Cover
GBY-28	1	Washer, Felt, C. E. Outer
GCD-27A	1	Cover, Comm. End
GCD-28	1	Washer, Felt
GGA-3065	1	Head Assy., Comm. End
GBY-25	2	Spring, Brush
GBY-34	2	Arm, Brush
GBY-1012†	2	Brush
12X-195	2	Lockwasher, Brush Lead Sc., #8
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler, Hinge Top Press in, 1/4
X-726	3	Screw, C.E. Cover, Bdg. Hd. #10-32x7/16
X-867	1	Bearing, Ball, Shielded, S.A.E. #303
X-1270	3	Washer, C.E. Cover, Skpf. #10
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAE-46	1	Spacer, Armature Shaft
GBM-21	1	Nut, Arm. Shaft, C.E., Hex., .669-20
GFY-2096F	1	Armature
SP-817	1	Fan, Ventilating
8X-157	1	Nut, Shaft, D.E., Slotted 1/2-20
X-260	1	Key, Woodruff, #5
X-263	1	Key, Woodruff, #8
8X-358	1	Washer, Shaft, Plain 1/2
X-404	1	Pin, Cotter 3/32x1
12X-864	1	Lockwasher, Shaft

Drive End Head Assembly & Parts Used With

GGA-1037	1	Head Assy., Drive End
GFM-4B	4	Screw, Bearing Retainer Fil. Hd. #10-32x1/2
GGA-37	1	Head, Drive End
GGA-39	1	Washer, Felt
GGA-40	1	Retainer, Felt Washer
GGA-42	1	Retainer, Bearing
X-2926	1	Bearing, Ball, S.A.E. #304

Miscellaneous Parts

GCD-24B	1	Band, Cover
8X-715	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/4
8X-794	1	Nut, Cover Band, Square #10-32
		1 2 3 4 5

† Brush Set, Service GCD-2012S.

NOTE:- VRX-4004A Current-Voltage Regulator is used with but is not a part of this generator.

UNIT	APPLICATION
GGA-4810	Autocar

(Issued 10-9-46)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GGA-20	2	Bolt, Thru
(GGA-2033)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term., Outer
GAU-45	1	Insulation, Field Connection
GBW-34	1	Washer, Ins., Field Term., Outer
GBY-38A	4	Screw, Pole Shoe
GDD-27	1	Bushing, Ins., Field Term.
GDD-28	1	Bushing, Ins., Arm. Term.
GGA-52	1	Insulation, Term. Stud, Inner
GGA-1005A	1	COIL ASSY., FIELD, COMPLETE
GGA-1007A	1	Coil Assy., Field, Left
GCD-79	1	Lead Assembly
X-1425	1	Terminal
GEB-27	1	Stud, Arm. Term., #14-24
GGA-1008A	1	Coil Assy., Field, Right
GEB-58	1	Stud, Field Term., #10-32
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term., Hex. #14-24
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., #14
8X-349	1	Washer, Field Term., Plain #10
8X-361	1	Washer, Arm. Term., Plain 1/4
8X-1377	2	Nut, Field Term., Hex. #10-32
12X-196	1	Lockwasher, Ground Screw, #10
12X-201	2	Lockwasher, Thru Bolt, 3/8
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

DA-22	1	Washer, Bearing Retaining
DA-60	1	Screw, Bearing Retaining
DB-17	1	Washer, Plain, Felt Retaining
DD-24C	1	Cover, Comm. End
DD-44	1	Gasket, C.E. Cover
GBY-28	1	Washer, Felt
GGJ-2021	1	Head Assy., Comm. End
GBY-25	2	Spring, Brush
GBY-1012†	2	Brush
GCE-54	2	Arm, Brush
8X-119	3	Screw, Cover, Fill. Hd. #10-32x1/2
12X-195	2	Lockwasher, Brush Lead Sc.,#8
12X-196	3	Lockwasher, Cover Screw, #10

Comm. End Head Assy., (Cont'd.)

Part No.	No. Used	Name of Part
12X-199	1	Lockwasher, Brg. Retaining Sc., 1/4
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler
X-867	1	BEARING, BALL, SHIELDED, S.A.E. #303

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm. Shaft, D.E.
GFY-2101F	1	ARMATURE
GGA-70	1	Spacer, Arm. Shaft
SP-865	1	Pulley, Drive
X-263	1	Key, Woodruff, #8
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

GGA-1068	1	Head Assy., Drive End
GAR-178	1	Retainer, Bearing
GAR-179	1	Retainer, Felt Washer, Inner
GGA-68	1	Head, Drive End
GGA-69	1	Retainer, Felt Washer, Outer
GJ-147	2	Washer, Felt
12X-196	3	Lockwasher, Retainer Sc.,#10
X-298	1	BEARING, BALL, S.A.E. #204
8X-311	3	Screw, Retainer, Rd. Hd. #10-32x3/8
X-489	1	Oiler

Miscellaneous Parts

GCD-24	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GCD-2012S.

NOTE: VAT-4001A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GGA-4812A	Hug Co., Oshkosh

(Issued 3-30-50)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GGA-4813 GENERATOR PARTS LIST

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GGA-20	2	Bolt, Thru
(GGA-2055A)	1	Frame & Field Assy.
DG-41S	1	Bracket, Gen. Mtg.
GAU-45	1	Insulation, Field Connection
GBW-34	1	Washer, Ins., Field Term., Outer
GBY-38A	4	Screw, Pole Shoe
GDD-27	1	Bushing, Ins., Field Term., Inner
GDD-28	1	Bushing, Ins., Field Term., Inner
GDW-44	1	Washer, Ins., Field Term., Outer
GGA-52	1	Insulation, Term. Stud, Inner
GGA-1005A	1	COIL ASSY., FIELD, COMPLETE
GGA-1007A	1	Coil Assy., Field, Left
GCD-79	1	Lead Assembly
X-1425	1	Terminal
GEB-27	1	Stud, Arm. Term., #14-24
GGA-1008A	1	Coil Assy., Field, Right
GEB-58	1	Stud, Field Term., #10-32
MN-21	2	Pin, Dowel
8X-82	4	Screw, Mtg. Bracket, Flat Hd. 1/4-28x9/16
8X-177	2	Nut, Arm. Term., Hex. #14-24
12X-193	2	Lockwasher, Arm. Term., #14
12X-196	2	Lockwasher, Field Term., #10
8X-349	1	Washer, Plain, Field Term., #10
8X-361	1	Washer, Plain, Arm. Term., 1/4
8X-1377	2	Nut, Field Term., Hex. #10-32
12X-196	1	Lockwasher, Ground Screw, #10
12X-201	2	Lockwasher, Thru Bolt, 3/8
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

DB-17	2	Washer, Plain, Felt Retaining
DD-44	1	Gasket, C.E. Cover
GBY-28	1	Washer, Felt, C.E. Outer
GCD-27A	1	Cover, Comm. End
GCD-28	1	Washer, Felt, C.E. Inner
GGA-2057	1	Head Assy., Comm. End
GBY-25	2	Spring, Brush

Comm. End Head Assy. (Continued)

Part No.	No. Used	Name of Part
GBY-1012†	2	Brush
GCE-54	2	Arm, Brush
12X-195	2	Lockwasher, Brush Lead Sc., #8
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler
8X-726	3	Screw, C.E. Cover, Bdg. Hd. #10-32x7/16
X-867	1	BEARING, BALL, SHIELDED, S.A.E. #303
X-1270	3	Washer, Cover Sc., Skpf. #10

Armature Assembly & Parts Used With

DA-70	1	Nut, Shaft, Drive End
GBM-21B	1	Nut, Arm. Shaft, C.E.
GFY-2059F	1	ARMATURE
GJ-179A	1	Washer, Shaft, Plain
SP-853	1	Fan, Ventilating
8X-160	1	Nut, Shaft, D.E., Hex. 7/16-20
12X-205	1	Lockwasher, Shaft, D.E., 7/16
X-260	1	Key, Woodruff, C.E., #5
X-261	1	Key, Woodruff, D.E., #6
12X-864	1	Lockwasher, Shaft, C.E.

Drive End Head Assembly & Parts Used With

GCD-1033	1	Head Assy., Drive End
GAB-188	2	Washer, Felt
GAR-179	2	Retainer, Felt Washer
GBY-27	2	Retainer, Bearing
GCD-33	1	Head, Drive End
8X-173	3	Nut, Retainer Sc., Hex. #10-32
X-196	3	Lockwasher, Retainer Sc., #10
8X-306	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1
X-365	1	BEARING, BALL, S.A.E. #303
X-489	1	Oiler

Miscellaneous Parts

GCD-24	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GCD-2012S.

NOTE: - VAT-4001A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GGA-4813	Buda

(Issued 6-28-49)

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GGA-20	2	Bolt, Thru
*	1	Bracket, Gen. Mtg.
GGA-2033	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term., Outer
GAU-45	1	Insulation, Field Connection
GBW-34	1	Washer, Ins., Field Term., Outer
GBY-38A	4	Screw, Pole Shoe
GDD-27	1	Bushing, Ins., Field Term.
GDD-28	1	Bushing, Ins., Arm. Term.
GGA-52	1	Insulation, Term. Stud, Inner
GGA-1005A	1	COIL ASSY., FIELD, COMPLETE
GGA-1007A	1	Coil Assy., Field, Left
GCD-79	1	Lead Assy.
X-1425	1	Terminal
GEB-27	1	Stud, Arm. Term., #14-24
GGA-1008A	1	Coil Assy., Field, Right
GEB-58	1	Stud, Field Term., #10-32
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term., Hex. #14-24
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., #14
8X-349	1	Washer, Plain, Field Term., #10
8X-361	1	Washer, Plain, Arm. Term., 1/4
8X-1377	2	Nut, Field Term., Hex. #10-32
*	2	Nut, Mtg. Bracket, Hex. Hd. 7/16-14
12X-196	1	Lockwasher, Ground Screw, #10
12X-201	2	Lockwasher, Term. Stud, 3/8
*	2	Lockwasher, Mtg. Brkt., 7/16
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16
*	2	Screw, Mtg. Bracket, Hex. Hd. 7/16-14x1 3/8

Comm. End Head Assembly & Parts Used With

DA-22	1	Washer, Bearing Retaining Sc.
DA-60	1	Screw, Bearing Retaining
DB-17	1	Washer, Plain, Felt Retaining
DD-24C	1	Cover, Comm. End
DD-44	1	Gasket, C.E. Cover
GBY-28	1	Washer, Felt

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
GCD-2012S	1	BRUSH SET, SERVICE
GGJ-2021S	1	Head Assy., Comm. End
GBY-25	2	Spring, Brush
GCE-54	2	Arm, Brush
8X-119	3	Screw, Cover, Fill. Hd. #10-32x1/2
12X-195	2	Lockwasher, Lead Sc., #8
12X-196	3	Lockwasher, Cover Screw, #10
12X-199	1	Lockwasher, Brg. Retaining Sc., 1/4
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler
X-867	1	BEARING, BALL, SHIELDED, S.A.E. #303

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm. Shaft, D.E.
GFY-2093F	1	ARMATURE
GGA-70	1	Spacer, Armature Shaft
*	1	Pulley, Drive
X-263	1	Key, Woodruff, #8
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

GGA-1068	1	Head Assy., Drive End
GAR-178	1	Retainer, Bearing
GAR-179	1	Retainer, Felt Washer
GGA-68	1	Head, Drive End
GGA-69	1	Retainer, Felt Washer
GJ-147	2	Washer, Felt
12X-196	3	Lockwasher, Retainer Sc., #10
X-298	1	BEARING, BALL, S.A.E. #204
8X-311	3	Screw, Retainer, Rd. Hd. #10-32x3/8
X-489	1	Oiler

Miscellaneous Parts

GCD-24	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

NOTE: * CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

* See table following parts list for part number applying to assembly wanted.

(Continued On Reverse Side)

Printed in U. S. A.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Assembly No.	Pulley	Bracket	Nut	Screw	Lockwasher	Regulator
GGA-4814	None	None	None	None	None	‡‡
GGA-4814A	SP-871	GGA-59	8X-149	8X-2960	12X-205	VAT-4001A
GGA-4814B	SP-883	None	None	None	None	VAT-4001A
GGA-4814C	SP-884	None	None	None	None	VAT-4001A
GGA-4814D	SP-884	GGA-60	8X-149	8X-2960	12X-205	VAT-4001A
GGA-4814E	SP-876	None	None	None	None	VAT-4001A
GGA-4814F	SP-878	None	None	None	None	VAT-4004AX
GGA-4814G	PU-38	None	None	None	None	VAT-4004AX
GGA-4814H	SP-871	None	None	None	None	VAT-4001A

‡‡ VAT-4001A 40 Amperes CURRENT-VOLTAGE REGULATOR or VRX-5003CX 30 Amperes CURRENT-VOLTAGE REGULATOR is used with but is not a part of GGA-4814.

UNIT	APPLICATION
GGA-4814	Autocar
GGA-4814A	Ward LaFrance, Continental & Diamond T.
GGA-4814B	Ward LaFrance
GGA-4814C	Ward LaFrance
GGA-4814D	Diamond T
GGA-4814E	Buda, F. G. Hough
GGA-4814F	Autocar
GGA-4814G	Autocar
GGA-4814H	Diamond T

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GGA-20	2	Bolt, Thru
(GGA-2036)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term., Outer
GAU-45	1	Insulation, Field Connection
GBW-34	1	Washer, Ins., Field Term., Outer
GBY-38A	4	Screw, Pole Shoe
GDD-27	1	Bushing, Ins., Field Term.
GDD-28	1	Bushing, Ins., Arm. Term.
GGA-52	1	Insulation, Term. Stud, Inner
GGA-1005A	1	COIL ASSY., FIELD, COMPLETE
GGA-1007A	1	Coil Assy., Field, Left
GCD-79	1	Lead Assembly
X-1425	1	Terminal
GEB-27	1	Stud, Arm. Term., #14-24
GGA-1008A	1	Coil Assy., Field, Right
GEB-58	1	Stud, Field Term., #10-32
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term., Hex. #14-24
12X-193	2	Lockwasher, Arm. Term., #14
12X-196	2	Lockwasher, Field Term., #10
8X-349	1	Washer, Plain, Field Term., #10
8X-361	1	Washer, Plain, Arm. Term., 1/4
8X-1377	2	Nut, Field Term., Hex. #10-32
12X-196	1	Lockwasher, Ground Sc., #10
12X-201	2	Lockwasher, Thru Bolt, 3/8
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

DB-17	2	Washer, Plain, Felt Retaining
DD-44	1	Gasket, C.E. Cover
GBY-28	1	Washer, Felt, C.E. Outer
GCD-27A	1	Cover, Comm. End
GCD-28	1	Washer, Felt, C.E. Inner
GGA-2073	1	Head Assy., Comm. End
GBY-25	2	Spring, Brush
GBY-1012 †	2	Brush
GCE-54	2	Arm, Brush
12X-195	2	Lockwasher, Br. Lead Sc., #8

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler
8X-726	3	Screw, C.E. Cover, Bdg. Hd. #10-32x7/16
X-867	1	BEARING, BALL, SHIELDED, S.A.E. #303
X-1270	3	Washer, Cover Sc., Skpf. #10

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Shaft, Hex., C.E.
GFY-2096F	1	ARMATURE
GGA-78	1	Spacer, Armature Shaft
SP-924	1	Fan, Ventilating
8X-157	1	Nut, Shaft, D.E., Slotted 1/2-20
X-260	1	Key, Woodruff, C.E., #5
X-263	1	Key, Woodruff, D.E., #8
8X-358	1	Washer, Shaft, D.E., Plain 1/2
X-404	1	Pin, Cotter, 3/32x1
12X-864	1	Lockwasher, Shaft, C.E.

Drive End Head Assy. & Parts Used With

GGA-1037A	1	Head Assy., Drive End
GGA-37	1	Head, Drive End
GGA-39	1	Washer, Felt
GGA-40	1	Retainer, Felt Washer
GGA-74	1	Retainer, Bearing
8X-66	4	Screw, Retainer, Flat Hd. #10-32x1/2
X-2926	1	BEARING, BALL, S.A.E. #304

Miscellaneous Parts

GCD-24	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

NOTE: VRX-4003AX CURRENT -VOLTAGE REGULATOR is used with but is not a part of this generator.

† BRUSH SET, SERVICE GCD-2012S.

UNIT	APPLICATION
GGA-4816	Hercules, Maxim

(Issued 3-2-50)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GGA-4817 GENERATOR PARTS LIST

GGA-4817
(Issued 8-25-54)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GGA-20	2	Bolt, Thru
GGA-2036	1	Frame & Field Assembly
GAA-32	1	Washer, Ins., Arm. Term., Outer
GAU-45	1	Insulation, Field Connection
GBW-34	1	Washer, Ins., Field Term., Outer
GBY-38A	4	Screw, Pole Shoe
GDD-27	1	Bushing, Ins., Field Term.
GDD-28	1	Bushing, Ins., Arm Term.
GGA-52	1	Insulation, Term. Stud, Inner
GGA-1005A	1	COIL ASSEMBLY, FIELD COMPLETE
GGA-1007A	1	Coil Assy., Field, Left
GCD-79	1	Lead Assembly
X-1425	1	Terminal
GEB-27	1	Stud, Arm. Term., #14-24
GGA-1008A	1	Coil Assy., Field, Right
GEB-58	1	Stud, Field Term., #10-32
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term., Hex. #14-24
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-349	1	Washer, Plain, Field Term., #10
8X-361	1	Washer, Plain, Arm. Term., 1/4
8X-1377	2	Nut, Field Term., Hex. #10-32
12X-196	1	Lockwasher, Grd. Screw, #10
12X-201	2	Lockwasher, Thru Bolt, 3/8
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

DB-17	2	Washer, Plain, Felt Retaining
DD-44	1	Gasket, C.E. Cover
GBY-28	1	Washer, Felt, C.E. Outer
GCD-27A	1	Cover, Comm. End
GCD-28	1	Washer, Felt, C.E. Inner
GCD-2012S	1	BRUSH SET, SERVICE
GGA-2073S	1	Head Assy., Comm. End
GBY-25	2	Spring, Brush
GCE-54	2	Arm, Brush
12X-195	2	Lockwasher, Lead Screw, #8
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4

Comm. End Head Assembly & Parts (Continued)

Part No.	No. Used	Name of Part
X-489	1	Oiler
8X-726	3	Screw, C.E. Cover Bdg. Hd. #10-32x7/16
X-867	1	BEARING, BALL, SHIELDED S.A.E. #303
X-1270	3	Washer, Cover Sc., Skpf. #10

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm. Shaft, C.E.
GFY-2105F	1	ARMATURE
GGA-78	1	Spacer, Arm. Shaft
SP-924	1	Fan, Ventilating
X-258	1	Key, Woodruff, D.E., #3
X-260	1	Key, Woodruff, C.E., #5
8X-358	1	Washer, Shaft D.E., Plain 1/2
X-404	1	Pin, Cotter
8X-835	1	Nut, Arm. Shaft, D.E.
12X-864	1	Lockwasher, Shaft, C.E.

Drive End Head Assembly & Parts Used With

GGA-1037	1	Head Assy., Drive End
GFM-4B	4	Screw, Brg. Retainer, Fill. Hd. #10-32x1/2
GGA-37	1	Head, Drive End
GGA-39	1	Washer, Felt
GGA-40	1	Retainer, Felt Washer
GGA-42	1	Retainer, Bearing
X-2926	1	BEARING, BALL, S.A.E. #304

Miscellaneous Parts

GCD-24	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

NOTE: VRX-4003A CURRENT VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GGA-4817	Clark Equip. Co., Michigan (Shovel)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GGA-6001A Thru Z GENERATOR PARTS LIST

GGA-6001A, AB, AC, B, C, D, E, EN, F, G, H, J, K, L, M, N, N-S1, P, R, S, SN, S1, V, W, X, Y, Z
(Issued 10-1-56)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GGA-20	2	Bolt, Thru
*	1	Bracket, Gen. Mtg.
GGA-2033	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term. Outer
GAU-45	1	Insulation, Field Connection
GBW-34	1	Washer, Ins., Field Term., Outer
GBY-38A	4	Screw, Pole Shoe
GDD-27	1	Bushing, Ins., Field Term.
GDD-28	1	Bushing, Ins., Arm. Term.
GGA-52	1	Insulation, Term. Stud, Inner
GGA-1005A	1	COIL ASSY., FIELD, COMPLETE
GGA-1007A	1	Coil Assy., Field, Left
GCD-79	1	Lead Assy.
X-1425	1	Terminal
GGJ-27	1	Stud, Arm. Term., 1/4-28
GGA-1008A	1	Coil Assy., Field, Right
GEB-58	1	Stud, Field Term., #10-32
MN-21	2	Pin, Dowel
12X-196	2	Lockwasher, Field Term. #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-349	1	Washer, Field Term., Plain #10
8X-361	1	Washer, Arm. Term., Plain 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
8X-149 ‡	2	Nut, Brkt. Sc., Hex. 7/16-14
12X-196	1	Lockwasher, Ground Sc., #10
12X-201	2	Lockwasher, Thru Bolt, 3/8
12X-205 ‡	2	Lockwasher, Brkt, Sc., 7/16
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16
8X-2960 ‡	2	Screw, Bracket, Hex. Hd. 7/16-14x1 3/8

Comm. End Head Assembly & Parts Used With

DA-22	1	Washer, Bearing Retaining
DA-60	1	Screw, Bearing Retaining
DB-17	1	Washer, Plain, Felt Retaining
DD-24C	1	Cover, Comm. End
DD-44	1	Gasket, C. E. Cover
GBY-28	1	Washer, Felt
GCD-2012S	1	BRUSH SET, SERVICE
GGJ-2021S	1	Head Assy., Comm. End

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
GBY-25	2	Spring, Brush
GCE-54	2	Arm, Brush
8X-119	3	Screw, C. E. Cover, Fill. Hd. #10-32x1/2
12X-195	2	Lockwasher, Lead Sc., #8
12X-196	3	Lockwasher, Cover Screw, #10
12X-199	1	Lockwasher, Brg. Retaining Sc., 1/4
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler
X-867	1	BEARING, BALL, SHIELDED, S. A. E. #303

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm. Shaft, D. E.
GFY-2101F	1	ARMATURE
GGA-70	1	Spacer, Armature Shaft
*	1	Pulley, Drive
X-263	1	Key, Woodruff, #8
12X-864	1	Lockwasher, Shaft, D. E.

Drive End Head Assembly & Parts Used With

GGA-1068	1	Head Assy., Drive End
GGA-68	1	Head, Drive End
GGF-9	2	Washer, Felt
GGF-10	1	Retainer, Felt Washer, Outer
GGF-11	1	Gasket
GGF-12	1	Retainer, Felt Washer, Inner
GGF-13	1	Retainer, Bearing
12X-196	3	Lockwasher, Retainer Sc., #10
X-298	1	BEARING, BALL, S. A. E. #204
8X-311	3	Screw, Brg. Retainer, Rd. Hd. #10-32x3/8
X-489	1	Oiler

Miscellaneous Parts

GCD-24	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

Note:-*CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

* See table following parts list for part number applying to assembly wanted.

‡ Part of GGA-6001B, D only.

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GGA-6001A Thru Z GENERATOR PARTS LIST (Continued)

ASSEMBLY NO.	BRACKET	PULLEY	REGULATOR
GGA-6001A	None	SP-904	VAT-4001A
GGA-6001AB	None	PU-207	VAT-6002A
GGA-6001AC	None	PU-226	VAT-6201A
GGA-6001B	GGA-60	SP-865	VAT-4001A
GGA-6001C	None	SP-961	VAT-6001A
GGA-6001D	GGA-75	SP-865	VAT-4001A
GGA-6001E	None	PU-69	VAT-4001A
GGA-6001EN	None	PU-69	VAT-4003A
GGA-6001F	None	PU-16	VAT-4001A
GGA-6001G	None	SP-903	VAT-4001A
GGA-6001H	None	SP-961	VAT-4001A
GGA-6001J	None	PU-169	VAT-4001A
GGA-6001K	None	PU-6	VAT-6201A
GGA-6001L	None	SP-974	VAT-6201A
GGA-6001M	None	SP-975	VAT-6201A
GGA-6001N	None	PU-68	VAT-6201A
GGA-6001N-S1	None	None	----------
GGA-6001P	None	PU-67	VAT-6201A
GGA-6001R	None	SP-939	VAT-6201A
GGA-6001S	None	None	----------
GGA-6001SN	None	None	----------
GGA-6001-S1	None	None	----------
GGA-6001V	None	SP-904	VAT-6201A
GGA-6001W	None	PU-147	VAT-6201A
GGA-6001X	None	PU-104	VAT-6201A
GGA-6001Y	None	PU-162	VAT-6002A
GGA-6001Z	None	PU-193	VAT-6002A

UNIT	APPLICATION
GGA-6001A	R. H. Sheppard, Tropic Aire
GGA-6001A, B, Y, Z	Ford 6
GGA-6001AC	Plymouth 6-8, Dodge 6-8, DeSoto
GGA-6001B	Hercules, Maxim
GGA-6001C, R, V, W, X	Dodge Truck
GGA-6001D, F,	Diamond T
GGA-6001E, EN	Hercules
GGA-6001G	Carrier Corp.
GGA-6001H	
GGA-6001J	Continental
GGA-6001K	Plymouth 6, Dodge 6-8, DeSoto
GGA-6001L	Plymouth 6, Dodge 6-8, Dodge Tr., DeSoto, Chrysler
GGA-6001M	Chrysler, Dodge Truck
GGA-6001N	DeSoto
GGA-6001P	Chrysler
GGA-6001S, SN	A-L Service
GGA-6001-S1, N-S1	Chrysler Service

Printed in U. S. A.

GGA-6002A, B, C, D, S1 GENERATOR PARTS LIST

GGA-6002A, B, C, D, S1 (Issued 1-11-56)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GGA-20	2	Bolt, Thru
GGA-2033	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term.
GAU-45	1	Insulation, Field Connection
GBW-34	1	Washer, Ins., Field Term.
GBY-38A	4	Screw, Pole Shoe
GDD-27	1	Bushing, Ins., Field Term.
GDD-28	1	Bushing, Ins., Arm. Term.
GGA-52	1	Insulation, Term. Stud, Inner
GGA-1005A	1	COIL ASSY., FIELD, COMPLETE
GGA-1007A	1	Coil Assy., Field, Left
GCD-79	1	Lead Assembly
X-1425	1	Terminal
GGJ-27	1	Stud, Arm. Term., 1/4-28
GGA-1008A	1	Coil, Field, Right
GEB-58	1	Stud, Field Term., #10-32
MN-21	2	Pin, Dowel
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-349	1	Washer, Plain, Field Term., #10
8X-361	1	Washer, Plain, Arm. Term., 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
12X-196	1	Lockwasher, Grd. Sc., #10
12X-201	2	Lockwasher, Thru Bolt, 3/8
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

DA-39	1	Washer, Plain, Felt Retaining
DA-132	1	Washer, Felt
GCD-2012S	1	BRUSH SET, SERVICE
GGA-2102S	1	Head Assy., Comm. End
GBY-25	2	Spring, Brush
GCE-54	2	Arm, Brush
GGW-93	1	Retainer, Outer
12X-195	2	Lockwasher, Lead Sc., #8
X-295	1	BEARING, BALL, S. A. E. #203
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GBM-21B	1	Nut, Arm. Shaft, D. E.
GGA-70	1	Spacer, Arm. Shaft
GFY-2107F	1	ARMATURE ASSY.
GAR-171	1	Snap Ring
GR-32	1	Retainer, Felt Washer
*	1	Pulley, Drive
X-263	1	Key, Woodruff, #8
12X-864	1	Lockwasher, Shaft, D. E.

Drive End Head Assembly & Parts Used With

GGA-1080	1	Head Assy., Drive End
GGA-80	1	Head, Drive End
GGF-9	2	Washer, Felt
GGF-10	1	Retainer, Felt Washer, Outer
GGF-11	1	Gasket
GGF-12	1	Retainer, Felt Washer, Inner
GGF-13	1	Retainer, Bearing
12X-196	3	Lockwasher, Retainer Sc., #10
X-298	1	BEARING, BALL, S. A. E. #204
8X-311	3	Screw, Retainer, Rd. Hd. #10-32x3/8
X-489	1	Oiler

Miscellaneous Parts

GCD-24	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

Note:-VAT-6201A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

* See table following parts list for part number applying to assembly wanted.

Assembly No.	Pulley
GGA-6002A	SP-974
GGA-6002B	PU-67
GGA-6002C	PU-68
GGA-6002D	PU-147
GGA-6002-S1	None

UNIT	APPLICATION
GGA-6002A	De Soto
GGA-6002B	Chrysler
GGA-6002C	De Soto
GGA-6002D	Dodge Tr.
GGA-6002-S1	Service Generator

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GGA-6003A, B, C, D, S1 GENERATOR PARTS LIST

GGA-6003A, B, C, D, S1
(Issued 4-3-56)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GGA-20	2	Bolt, Thru
GGA-2033	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term.
GAU-45	1	Insulation, Field Connection
GBW-34	1	Washer, Ins., Field Term.
GBY-38A	4	Screw, Pole Shoe
GDD-27	1	Bushing, Ins., Field Term.
GDD-28	1	Bushing, Ins., Arm. Term.
GGA-52	1	Insulation, Term. Stud, Inner
GGA-1005A	1	COIL ASSY., FIELD, COMPLETE
GGA-1007A	1	Coil Assy., Field, Left
GCD-79	1	Lead Assembly
X-1425	1	Terminal
GGJ-27	1	Stud, Arm. Term., 1/4-28
GGA-1008A	1	Coil Assy., Field, Right
GEB-58	1	Stud, Field Term., #10-32
MN-21	2	Pin, Dowel
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-349	1	Washer, Plain, Field Term., #10
8X-361	1	Washer, Plain, Arm. Term., 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
12X-196	1	Lockwasher, Grd. Sc., #10
12X-201	2	Lockwasher, Thru Bolt, 3/8
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

DA-22	1	Washer, Bearing Retaining
DA-60	1	Screw, Bearing Retaining
DB-17	1	Washer, Plain, Felt Retaining
DD-24C	1	Cover, Comm. End
DD-44	1	Gasket, C.E. Cover
GBY-28	1	Washer, Felt
GCD-2012S	1	BRUSH SET, SERVICE
GGJ-2021S	1	Head Assy., Comm. End

Comm. End Head Assembly (Con't.)

Part No.	No. Used	Name of Part
GBY-25	2	Spring Brush
GCE-54	2	Arm, Brush
8X-119	3	Screw, C.E. Cover, Fill. Hd. #10-32x1/2
12X-195	2	Lockwasher, Lead Sc., #8
12X-196	3	Lockwasher, Cover Sc., #10
12X-199	1	Lockwasher, Brg. Retaining Sc., 1/4
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler
X-867	1	BEARING, BALL, SHIELDED, S.A.E. #303

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm. Shaft, D.E.
GGA-70	1	Spacer, Arm. Shaft
GFY-2101F	1	ARMATURE
*	1	Pulley, Drive
X-263	1	Key, Woodruff, #8
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

GGA-1084	1	Head Assy., Drive End
GGA-84	1	Head, Drive End
GGF-9	2	Washer, Felt
GGF-10	1	Retainer, Felt Washer, Outer
GGF-11	1	Gasket
GGF-12	1	Retainer, Felt Washer, Inner
GGF-13	1	Retainer, Bearing
12X-196	3	Lockwasher, Retainer Sc., #10
X-298	1	BEARING, BALL, S.A.E. #204
8X-311	3	Screw, Retainer, Rd. Hd. #10-32x3/8
X-489	1	Oiler

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking su -parts the complete part can be assembled as needed."

Miscellaneous Parts

GCD-24	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

* See table following parts list for part number applying to assembly wanted.

Note: VAT-6201A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

Assembly No.	Pulley
GGA-6003A	PU-6
GGA-6003B	SP-975
GGA-6003C	PU-104
GGA-6003D	SP-974
GGA-6003-S1	None

UNIT	APPLICATION
GGA-6003A	Plymouth 8, Dodge 8
GGA-6003B	Dodge Truck
GGA-6003C	
GGA-6003D	Plymouth 8
GGA-6003-S1	Service Generator

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking su -parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GGA-6004A, B, S1 GENERATOR PARTS LIST

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GGA-20	2	Bolt, Thru
GGA-2033	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term.
GAU-45	1	Insulation, Field Connection
GBW-34	1	Washer, Ins., Field Term.
GBY-38A	4	Screw, Pole Shoe
GDD-27	1	Bushing, Ins., Field Term.
GDD-28	1	Bushing, Ins., Arm. Term.
GGA-52	1	Insulation, Term. Stud, Inner
GGA-1005A	1	COIL ASSY., FIELD, COMPLETE
GGA-1007A	1	Coil Assy., Field, Left
GCD-79	1	Lead Assembly
X-1425	1	Terminal
GGJ-27	1	Stud, Arm. Term., 1/4-28
GGA-1008A	1	Coil Assy., Field, Right
GEB-58	1	Stud, Field Term., #10-32
MN-21	2	Pin, Dowel
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-349	1	Washer, Plain, Field Term., #10
8X-361	1	Washer, Plain, Arm. Term., 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
12X-196	1	Lockwasher, Grd. Sc., #10
12X-201	2	Lockwasher, Thru Bolt, 3/8
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

DA-22	1	Washer, Bearing Retaining
DA-60	1	Screw, Bearing Retaining
DB-17	1	Washer, Plain, Felt Retaining
DD-24C	1	Cover, Comm. End
DD-44	1	Gasket, C. E. Cover
GBY-28	1	Washer, Felt
GCD-2012S	1	BRUSH SET, SERVICE
GGJ-2021S	1	Head Assy., Comm. End

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
GBY-25	2	Spring, Brush
GCE-54	2	Arm, Brush
8X-119	3	Screw, C. E. Cover, Fill. Hd. #10-32x1/2
12X-195	2	Lockwasher, Lead Sc., #8
12X-196	3	Lockwasher, Cover Sc., #10
12X-199	1	Lockwasher, Brg. Retaining Sc., 1/4
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler
X-867	1	BEARING, BALL, SHIELDED, S. A. E. #303

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm. Shaft, D. E.
GGA-70	1	Spacer, Arm. Shaft
GFY-2093F	1	ARMATURE
*	1	Pulley, Drive
X-263	1	Key, Woodruff, #8
12X-864	1	Lockwasher, Shaft, D. E.

Drive End Head Assembly & Parts Used With

GGA-1068	1	Head Assy., Drive End
GGA-68	1	Head, Drive End
GGF-9	2	Washer, Felt
GGF-10	1	Retainer, Felt Washer, Outer
GGF-11	1	Gasket
GGF-12	1	Retainer, Felt Washer, Inner
GGF-13	1	Retainer, Bearing
12X-196	3	Lockwasher, Retainer Sc., #10
X-298	1	BEARING, BALL, S. A. E. #204
8X-311	3	Screw, Retainer, Rd. Hd. #10-32x3/8
X-489	1	Oiler

Miscellaneous Parts

GCD-24	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

* See table following parts list for part number applying to assembly wanted.

Note: - VAT-6201A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

(Continued on reverse side)

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GGA-6004A, B, S1 GENERATOR PARTS LIST

(Continued)

Assembly No.	Pulley
GGA-6004A	PU-146
GGA-6004B	PU-149
GGA-6004-S1	None

UNIT	APPLICATION
GGA-6004A, B	Dodge Truck
GGA-6004-S1	Service Generator

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking su -parts the complete part can be assembled as needed."

GGA-6005A, B, BA, S1 GENERATOR PARTS LIST

GGA-6005A, B, BA, S1
(Issued 9-17-56)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GGA-20	2	Bolt, Thru
GGA-2033	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term.
GAU-45	1	Insulation, Field Connection
GBW-34	1	Washer, Ins., Field Term.
GBY-38A	4	Screw, Pole Shoe
GDD-27	1	Bushing, Ins., Field Term.
GDD-28	1	Bushing, Ins., Arm. Term.
GGA-52	1	Insulation, Term. Stud, Inner
GGA-1005A	1	COIL ASSY, FIELD, COMPLETE
GGA-1007A	1	Coil Assy., Field Left
GCD-79	1	Lead Assembly
X-1425	1	Terminal
GGJ-27	1	Stud, Arm. Term., 1/4-28
GGA-1008A	1	Coil, Field, Right
GEB-58	1	Stud, Field Term., #10-32
MN-21	2	Pin, Dowel
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-349	1	Washer, Plain, Field Term., #10
8X-361	1	Washer, Plain, Arm. Term. 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
12X-196	1	Lockwasher, Grd. Sc., #10
12X-201	2	Lockwasher, Thru Bolt, 3/8
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

DA-39	1	Washer, Plain, Felt Retaining
DA-132	1	Washer, Felt
GCD-2012S	1	BRUSH SET, SERVICE
GGA-2102S	1	Head Assy., Comm. End
GBY-25	2	Spring, Brush
GCE-54	2	Arm, Brush
GGW-93	1	Retainer, Outer
12X-195	2	Lockwasher, Lead Sc., #8

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
X-295	1	BEARING, BALL, S.A.E. #203
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm. Shaft, D. E.
GFY-2108F	1	ARMATURE ASSY;
GAR-171	1	Snap Ring
GGA-70	1	Spacer, Arm. Shaft
GGW-88†	1	Washer, Coupling Sc.
GGW-99†	1	Coupling
GR-32	1	Retainer, Felt Washer
*	1	Pulley, Drive
X-263	1	Key, Woodruff, #8
12X-864	1	Lockwasher, Shaft, D. E.
X-3226†	1	Screw, Coupling Mtg., Hex. Hd. 1/4-20x5/8

Drive End Head Assembly & Parts Used With

GGA-1080	1	Head Assy., Drive End
GGA-80	1	Head, Drive End
GGF-9	2	Washer, Felt
GGF-10	1	Retainer, Felt Washer, Outer
GGF-11	1	Gasket
GGF-12	1	Retainer, Felt Washer, Inner
GGF-13	1	Retainer, Bearing
12X-196	3	Lockwasher, Retainer Sc., #10
X-298	1	BEARING, BALL, S.A.E. #204
8X-311	3	Screw, Brg. Retainer, Rd. Hd. #10-32x3/8
X-489	1	Oiler

Miscellaneous Parts

GCD-24	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

Note:- VAT-6201A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

† Part of GGA-6005BA only.

* See table following parts list for part number applying to assembly wanted.

(Continued on reverse side)

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking su -parts the complete part can be assembled as needed."

GGA-6005A, B, BA, S1 GENERATOR PARTS LIST

(Continued)

Assembly No.	Pulley
GGA-6005A	PU-146
GGA-6005B	PU-149
GGA-6005BA	PU-149
GGA-6005-S1	None

UNIT	APPLICATION
GGA-6005A, BA	
GGA-6005B	Dodge Truck
GGA-6005-S1	Service Generator

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GGA-6006A, B, C, D, S GENERATOR PARTS LIST

GGA-6006A, B, C, D, S (Issued 11-11-55)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GGA-20	2	Bolt, Thru
GGA-2033	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term., Outer
GAU-45	1	Insulation, Field Connection
GBW-34	1	Washer, Ins., Field Term., Outer
GBY-38A	4	Screw, Pole Shoe
GDD-27	1	Bushing, Ins., Field Term.
GDD-28	1	Bushing, Ins., Arm. Term.
GGA-52	1	Insulation, Term. Stud, Inner
GGA-1005A	1	COIL ASSY., FIELD, COMPLETE
GGA-1007A	1	Coil Assy., Field, Left
GCD-79	1	Lead Assy.
X-1425	1	Terminal
GGJ-27	1	Stud, Arm. Term., 1/4-28
GGA-1008A	1	Coil Assy., Field, Right
GEB-58	1	Stud, Field Term., #10-32
MN-21	2	Pin, Dowel
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-349	1	Washer, Field Term., Plain #10
8X-361	1	Washer, Arm. Term., Plain 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
12X-196	1	Lockwasher, Ground Screw, #10
12X-201	2	Lockwasher, Thru Bolt, 3/8
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

DA-22	1	Washer, Bearing Retaining
DA-60	1	Screw, Bearing Retaining
DB-17	1	Washer, Plain, Felt Retaining
DD-24C	1	Cover, Comm. End
DD-44	1	Gasket, C.E. Cover
GBY-28	1	Washer, Felt
GCD-2012S	1	BRUSH SET, SERVICE
GGJ-2082S	1	Head Assy., Comm. End
GBY-25	2	Spring, Brush
GCE-54	2	Arm, Brush
8X-119	3	Screw, C.E. Cover, Fill. Hd. #10-32x1/2

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
12X-195	2	Lockwasher, Lead Sc., #8
12X-196	3	Lockwasher, Cover Screw, #10
12X-199	1	Lockwasher, Brg. Retaining Sc., 1/4
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler
X-867	1	BEARING, BALL, SHIELDED, S.A.E. #303

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm. Shaft, D.E.
GFY-2101F	1	ARMATURE
GGA-70	1	Spacer, Armature Shaft
*	1	Pulley, Drive
X-263	1	Key, Woodruff, #8
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

GGA-1081	1	Head Assy., Drive End
GGA-81	1	Head, Drive End
GGF-9	2	Washer, Felt
GGF-10	1	Retainer, Felt Washer, Outer
GGF-11	1	Gasket
GGF-12	1	Retainer, Felt Washer, Inner
GGF-13	1	Retainer, Bearing
12X-196	3	Lockwasher, Retainer Sc., #10
X-298	1	BEARING, BALL, S.A.E. #204
8X-311	3	Screw, Brg. Retainer, Rd. Hd. #10-32x3/8
X-489	1	Oiler

Miscellaneous Parts

GCD-24	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

Note:-VAT-6002A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator

(Continued on reverse side)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GGA-6006A, B, C, D, S GENERATOR PARTS LIST (Cont.)

* See table following parts list for part number applying to assembly wanted.

Assembly No.	Pulley
GGA-6006A	PU-170
GGA-6006B	PU-190
GGA-6006C	PU-191
GGA-6006D	PU-192
GGA-6006S	None

UNIT	APPLICATION
GGA-6006A, B, C, D	Ford 8
GGA-6006S	Service Generator

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GGA-6007A, S1 GENERATOR PARTS LIST

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GGA-20	2	Bolt, Thru
GGA-2033	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term., Outer
GAU-45	1	Insulation, Field Connection
GBW-34	1	Washer, Ins., Field Term., Outer
GBY-38A	4	Screw, Pole Shoe
GDD-27	1	Bushing, Ins., Field Term.
GDD-28	1	Bushing, Ins., Arm. Term.
GGA-52	1	Insulation, Term. Stud, Inner
GGA-1005A	1	COIL ASSY., FIELD, COMPLETE
GGA-1007A	1	Coil Assy., Field, Left
GCD-79	1	Lead Assy.
X-1425	1	Terminal
GGJ-27	1	Stud, Arm. Term., 1/4-28
GGA-1008A	1	Coil Assy., Field, Right
GEB-58	1	Stud, Field Term., #10-32
MN-21	2	Pin, Dowel
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-349	1	Washer, Field Term., Plain #10
8X-361	1	Washer, Arm. Term., Plain 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. 10-32
12X-196	1	Lockwasher, Ground Sc., #10
12X-201	2	Lockwasher, Thru Bolt, 3/8
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

DA-22	1	Washer, Bearing Retaining
DA-60	1	Screw, Bearing Retaining
DB-17	1	Washer, Plain, Felt Retaining
DD-24C	1	Cover, Comm. End

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
DD-44	1	Gasket, C. E. Cover
GBY-28	1	Washer, Felt
GCD-2012S	1	BRUSH SET, SERVICE
GGJ-2021S	1	Head Assy., Comm. End
GBY-25	2	Spring, Brush
GCE-54	2	Arm, Brush
8X-119	3	Screw, C. E. Cover, Fill. Hd. #10-32x1/2
12X-195	2	Lockwasher, Lead Sc., #8
12X-196	3	Lockwasher, Cover Screw, #10
12X-199	1	Lockwasher, Brg. Retaining Sc., 1/4
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler
X-867	1	BEARING, BALL, SHIELDED, S. A. E. #303

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm. Shaft, D. E.
GFY-2101F	1	ARMATURE
GGA-70	1	Spacer, Armature Shaft
*	1	Pulley, Drive
X-263	1	Key, Woodruff, #8
12X-864	1	Lockwasher, Shaft, D. E.

Drive End Head Assembly & Parts Used With

GGA-1086	1	Head Assy., Drive End
GGA-86	1	Head, Drive End
GGF-9	2	Washer, Felt
GGF-10	1	Retainer, Felt Washer, Outer
GGF-11	1	Gasket
GGF-12	1	Retainer, Felt Washer, Inner
GGF-13	1	Retainer, Bearing
12X-196	3	Lockwasher, Retainer Sc., #10
X-298	1	BEARING, BALL, S. A. E. #204
8X-311	3	Screw, Brg. Retainer, Rd. Hd. #10-32x3/8
X-489	1	Oiler

Miscellaneous Parts

GCD-24	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

Note:- VAT-6201A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

* See table following parts list for part number applying to assembly wanted.

(See reverse side)

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Assembly No.	Pulley
GGA- 6007A	PU- 226
GGA- 6007- S1	None

UNIT	APPLICATION
GGA- 6007A GGA- 6007- S1	Chrysler 300 Service Generator

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking su -parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GEF-2001)	1	Frame & Field Assy.
GBW-34	1	Washer, Ins., Field Term., Outer
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Field Term.
GDW-44	1	Washer, Ins., Arm. Term., Outer
GEA-34	1	Insulation, Term. Stud, Inner
GEF-1005	1	COIL ASSY., FIELD, COMPLETE
GEA-27	1	Stud, Arm. Term., #14-24
GEA-30A	1	Lead Assembly
X-847	1	Terminal
GEB-58	1	Stud, Field Term., #10-32
GEF-1007	1	Coil, Field, Left
GEF-1008	1	Coil, Field, Right
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term., Hex. #14-24
12X-193	2	Lockwasher, Arm. Term., #14
12X-196	2	Lockwasher, Field Term., #10
8X-349	1	Washer, Field Term., Plain, #10
8X-361	1	Washer, Arm. Term., Plain 1/4
8X-1377	2	Nut, Field Term., Hex. #10-32
GY-20	2	Bolt, Thru
12X-196	1	Lockwasher, Ground Sc., #10
12X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

GDZ-2097	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBM-126	1	Packing
GBW-30E	1	Cover, Comm. End
GBW-69	1	Gasket, C.E. Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GDZ-1097A	1	Head Assy., Partial, C.E.
GBF-79	1	BEARING, ABS. BRONZE
GBW-45	2	Spring, Brush
GCJ-26	2	Arm, Brush

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
GGU-1012 †	2	Brush
12X-195	4	Lockwasher, Cover Sc., #8
8X-888	4	Screw, C.E. Cover, Fill. Hd. #8-32x5/16
X-2961	1	Oiler
12X-195	2	Lockwasher, Brush Lead Sc., #8
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm. Shaft, D.E.
GCK-2006F	1	ARMATURE ASSY.
GAR-171	1	Snap Ring
GJ-104B	1	Spacer, Arm. Shaft
GR-32	1	Retainer, Felt Washer
*	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

GDZ-1064A	1	Head Assy., Drive End
GBM-124	1	Gasket, Bearing Retainer
GBM-125	1	Retainer, Felt Washer, Inner
GBM-127	1	Retainer, Bearing
GBM-128	1	Retainer, Felt Washer, Outer
GDZ-64A	1	Head, Drive End
GG-164A	2	Washer, Felt
12X-196	3	Lockwasher, Retainer Sc.,#10
8X-311	3	Screw, Brg. Retainer, Rd. Hd. #10-32x3/8
X-441	1	BEARING, BALL, S.A.E. #203
X-2961	1	Oiler

Miscellaneous Parts

GBW-1024R	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

NOTE: VRU-5004AX CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

* See table following parts list for part number applying to assembly wanted.

(Continued on Reverse Side)

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

† BRUSH SET, SERVICE GGU-2012S.

Assembly No.	Pulley
GGC-4802A	SP-585A
GGC-4802B	SP-854A
GGC-4802S	None

UNIT	APPLICATION
GGC-4802A	Volvo (Export)
GGC-4802B,S	Hercules

(Issued 3-3-50)

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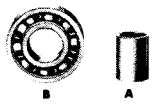
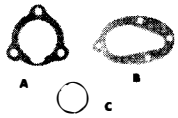
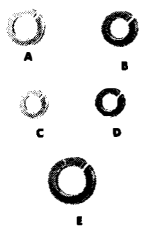
"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GGE-4800 SERIES GENERATOR PARTS LIST

Model No.	CUSTOMER
GGE-4803	Continental
GGE-4804M	Chrysler (Marine)
GGE-4805M	Chrysler (Marine)
GGE-4806A	Volvo (Export)
GGE-4806B	Hercules, Hough
GGE-4806C	Continental, Terratrac, Ustrac
GGE-4806S	Hercules
GGE-4807M	Chrysler (Marine)
GGE-4808M	Chrysler (Marine)
GGE-4809B, S	Continental

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

MISCELLANEOUS PARTS

	Name	Part No.	No. Used	Used on
	BAND, COVER	GBW-24B	1	GGE-4803
		GBW-1024N	1	GGE-4804M, GGE-4805M, GGE-4807M, GGE-4808M
		GBW-1024R	1	GGE-4806A, B, C, S, GGE-4809B, S
	BEARINGS			
	(A) Absorbent Bronze, C. E.	GBF-79	1	All
	(B) Ball, D. E., SAE #203	X-295	1	GGE-4803
	(B) Ball, D. E., Shielded, SAE #203	X-441	1	GGE-4806A, B, C, S, GGE-4809B, S
	(B) Ball, D. E., Shielded, SAE #204	X-378	1	GGE-4804M, GGE-4805M, GGE-4807M, GGE-4808M
	BOLT, THRU	GY-20	2	GGE-4803, GGE-4806A, B, C, S, GGE-4809B, S
		GY-20B	2	GGE-4804M, GGE-4805M, GGE-4807M, GGE-4808M
	BUSHING, INSULATING			
	Armature Terminal	GCT-25	1	GGE-4803, GGE-4806A, B, C, S, GGE-4809B, S
		GGE-33	1	GGE-4804M, GGE-4805M, GGE-4807M, GGE-4808M
	Field Terminal	GCY-25	1	GGE-4803, GGE-4806A, B, C, S, GGE-4809B, S
		GGE-34	1	GGE-4804M, GGE-4805M, GGE-4807M, GGE-4808M
	COIL, FIELD			
	Left	GDZ-1007	1	GGE-4803, GGE-4806A, B, C, S, GGE-4809B, S
		GDZ-1007A	1	GGE-4804M, GGE-4805M, GGE-4807M, GGE-4808M
	Right	GDZ-1008	1	GGE-4803, GGE-4806A, B, C, S, GGE-4809B, S
		GDZ-1008B	1	GGE-4804M, GGE-4805M, GGE-4807M, GGE-4808M
	COVER, WICK	GAR-98A	1	GGE-4803, GGE-4806A, B, C, S, GGE-4809B, S
		GAR-98C	1	GGE-4804M, GGE-4805M, GGE-4807M, GGE-4808M
	COVER, COMM. END	GBW-30E	1	GGE-4806A, B, C, S, GGE-4809B, S
		GBW-1068	1	GGE-4803
		GBW-1068C	1	GGE-4804M, GGE-4805M, GGE-4807M, GGE-4808M
	GASKET			
	(A) Bearing Retainer, Drive End	GBM-124	1	GGE-4806A, B, C, S, GGE-4809B, S
		GK-85	1	GGE-4803
		GX-10	1	GGE-4804M, GGE-4805M, GGE-4807M, GGE-4808M
	(B) Commutator End Cover	GBW-69	1	All
	(C) Oil Guard	GBW-73	1	All
	HEAD ASSEMBLY, PARTIAL, C. E.	GDZ-1067A	1	GGE-4803
		GDZ-1097A	1	GGE-4806A, B, C, S, GGE-4809B, S
		GGE-1002A	1	GGE-4804M, GGE-4807M
		GGE-1004A	1	GGE-4805M, GGE-4808M
	HEAD, DRIVE END	GDZ-64A	1	GGE-4806A, B, C, S
		GDZ-86	1	GGE-4803
		GGE-3	1	GGE-4804M, GGE-4805M, GGE-4807M, GGE-4808M
		GAM-110C	1	GGE-4809B, S
	HOLDER ASSEMBLY, INSULATING BRUSH	GDZ-1084	1	GGE-4805M, GGE-4808M
	INSULATION			
	(A) Armature Terminal, Inner	GDW-22A	1	GGE-4804M, GGE-4805M, GGE-4807M, GGE-4808M
	(A) Field Terminal, Inner	GBW-66A	1	GGE-4804M, GGE-4805M, GGE-4807M, GGE-4808M
	(B) Terminal Stud, Inner	GEA-34	1	GGE-4803, GGE-4806A, B, C, S, GGE-4809B, S
	KEY, WOODRUFF, #5	X-260	1	GGE-4806A, B, C, S, GGE-4809B, S
	LEAD ASSEMBLY, ARMATURE	GEA-30	1	GGE-4803, GGE-4806A, B, C, S, GGE-4809B, S
		GEA-30D	1	GGE-4804M, GGE-4805M, GGE-4807M, GGE-4808M
	LOCK RING, OIL THROWER	GAA-69	1	GGE-4803
	LOCKWASHERS			
	(A) Armature Terminal, 1/4	12X-199	2	GGE-4803, GGE-4806A, B, C, S, GGE-4809B, S
	(B) Armature Terminal, 5/16	12X-1014	2	GGE-4804M, GGE-4805M, GGE-4807M, GGE-4808M
	(C) Brush Holder Mounting Screw, #8	12X-195	2	GGE-4805M, GGE-4808M
	(C) Commutator End Cover Screw, #8	12X-195	2	All
	(C) Commutator End Cover Screw, #8	12X-195	4	All
	(D) Drive End Bearing Retainer Screw, #10	12X-196	3	All
	(D) Field Terminal, #10	12X-196	2	GGE-4803, GGE-4806A, B, C, S, GGE-4809B, S
	(A) Field Terminal, 1/4	12X-199	2	GGE-4804M, GGE-4805M, GGE-4807M, GGE-4808M
	(D) Ground Screw, #10	12X-196	1	All
	(E) Shaft, Drive End	12X-864	1	GGE-4806A, B, C, S, GGE-4809B, S
	(A) Thru Bolt, 1/4	12X-199	2	All

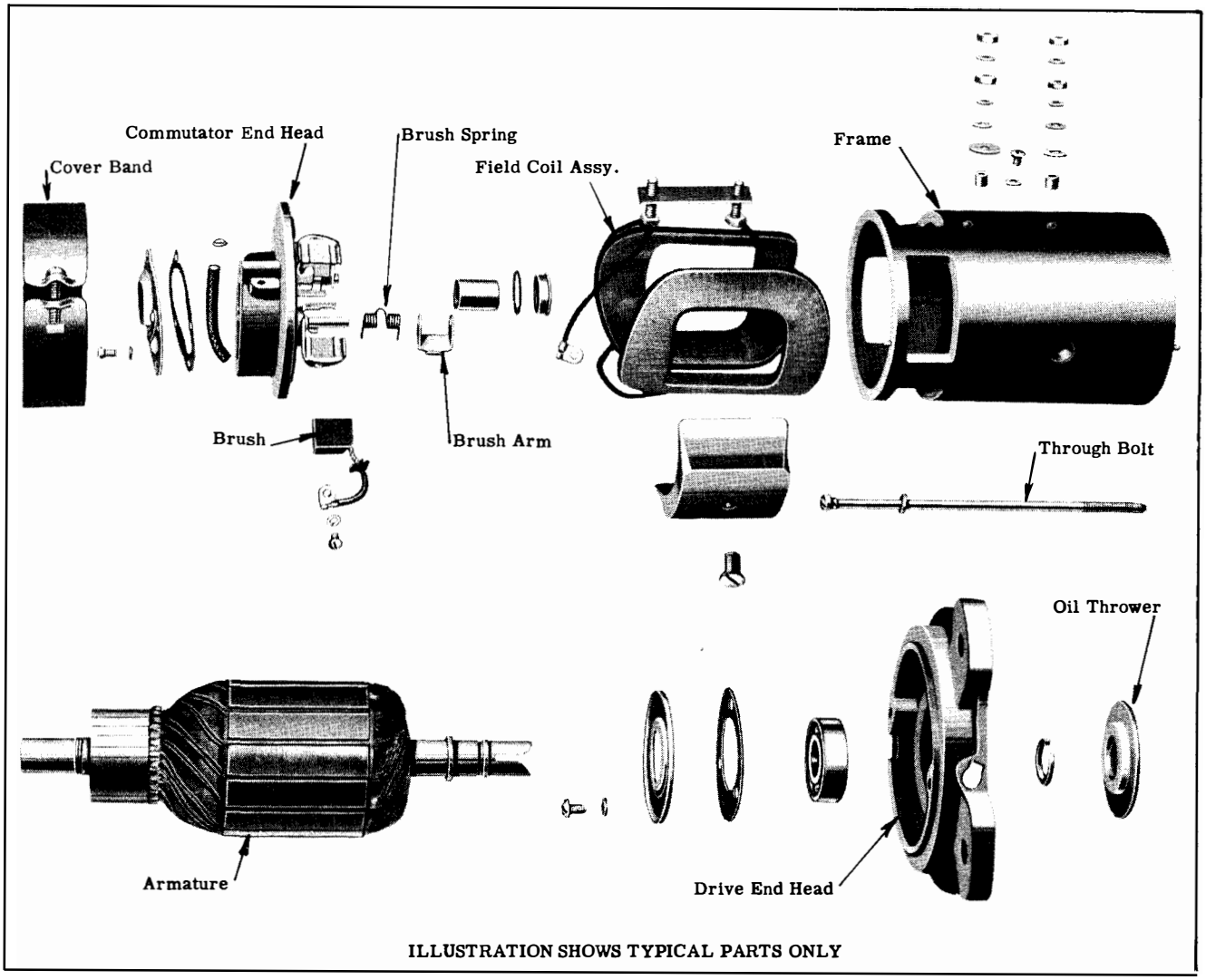
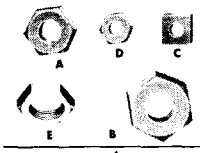
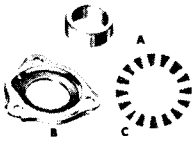
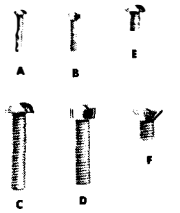
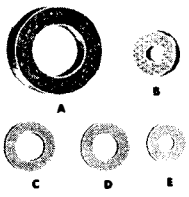


ILLUSTRATION SHOWS TYPICAL PARTS ONLY

Generator	Armature	Brush Set	Field Coil Assembly	Brush Spring (2) Used	Brush Arm (2) Used	C. E. Head Assembly	D. E. Head Assembly	Frame & Field Assy.	Pulley	Regulator *
GGE-4803	GBW-2088F	GBW-2012AS	GDZ-1005	GBW-45	GCJ-26	GDZ-2067AS	GDZ-1086	GDZ-2001A	- - -	VRW-4002A
GGE-4804M	GBW-2052FM	GBW-2012AS	GDZ-1005B	GBW-45A	GCJ-26B	GGE-2002S	GGE-1003	GGE-2030	- - -	VRW-6003AM
GGE-4805M	GBW-2052FM	GBW-2012AS	GDZ-1005B	GBW-45A	GCJ-26B	GGE-3004S	GGE-1003	GGE-3031	- - -	VRW-6003AM
GGE-4806A	GBW-2006F	GBW-2012AS	GDZ-1005	GBW-45	GCJ-26	GDZ-2097S	GDZ-1064A	GDZ-2001	SP-856	VRW-8001AX
GGE-4806B	GBW-2006F	GBW-2012AS	GDZ-1005	GBW-45	GCJ-26	GDZ-2097S	GDZ-1064A	GDZ-2001	SP-854A	VRW-8001AX
GGE-4806C	GBW-2006F	GBW-2012AS	GDZ-1005	GBW-45	GCJ-26	GDZ-2097S	GDZ-1064A	GDZ-2001	SP-843	VRW-8002BX
GGE-4806S	GBW-2006F	GBW-2012AS	GDZ-1005	GBW-45	GCJ-26	GDZ-2097S	GDZ-1064A	GDZ-2001	- - -	- - - - -
GGE-4807M	GBW-2105FM	GBW-2012AS	GDZ-1005B	GBW-45A	GCJ-26B	GGE-2002S	GGE-1003	GGE-2030	- - -	VRW-6003AM
GGE-4808M	GBW-2105FM	GBW-2012AS	GDZ-1005B	GBW-45A	GCJ-26B	GGE-3004S	GGE-1003	GGE-3031	- - -	VRW-6003AM
GGE-4809B	GBW-2006F	GBW-2012AS	GDZ-1005	GBW-45	GCJ-26	GDZ-2097S	GAM-1110E	GDZ-2001	SP-856	VRW-8002B
GGE-4809S	GBW-2006F	GBW-2012AS	GDZ-1005	GBW-45	GCJ-26	GDZ-2097S	GAM-1110E	GDZ-2001	- - -	VRW-8002B

* Regulator used with, but not a part of the Generator.

MISCELLANEOUS PARTS (Cont.)

Name	Part No.	No. Used	Used on
 NUTS			
(A) Armature Terminal, Hex. #14-24	8X-177	2	GGE-4803, GGE-4806A, B, C, S, GGE-4809B, S
(B) Armature Terminal, Hex. 5/16-24	X-180	2	GGE-4804M, GGE-4805M, GGE-4807M, GGE-4808M
(C) Cover Band, Square #10-32	8X-794	1	GGE-4803, GGE-4806A, B, C, S, GGE-4809B, S
	8X-2875	1	GGE-4804M, GGE-4805M, GGE-4807M, GGE-4808M
(D) Field Terminal, Hex. #10-32	8X-1377	2	GGE-4803, GGE-4806A, B, C, S, GGE-4809B, S
(A) Field Terminal, Hex. 1/4-28	X-2903	2	GGE-4804M, GGE-4805M, GGE-4807M, GGE-4808M
(E) Shaft, Drive End, Hex.	GBM-21B	1	GGE-4806A, B, C, S, GGE-4809B, S
 OILER	X-489	1	GGE-4803
	X-489A	1	GGE-4804M, GGE-4805M, GGE-4807M, GGE-4808M
	X-2961	2	GGE-4806A, B, C, S, GGE-4809B, S
 OIL GUARD, COMMUTATOR END	GBW-72	1	GGE-4803, GGE-4806A, B, C, S, GGE-4809B, S
	GBW-72A	1	GGE-4804M, GGE-4805M, GGE-4807M, GGE-4808M
 OIL THROWER	GBW-89	1	GGE-4803
	GDZ-1085	1	GGE-4804M, GGE-4805M, GGE-4807M, GGE-4808M
 PACKING, COMMUTATOR END	GBM-126	1	GGE-4806A, B, C, S, GGE-4809B, S
PIN, DOWEL	MN-21	2	GGE-4803, GGE-4806A, B, C, S, GGE-4809B, S
	MN-21A	2	GGE-4804M, GGE-4805M, GGE-4807M, GGE-4808M
 RETAINER			
(A) Cupped, Drive End Felt Washer	GR-32	1	GGE-4806A, B, C, S, GGE-4809B, S
(B) Drive End Bearing	GBM-127	1	GGE-4806A, B, C, S, GGE-4809B, S
	GG-6	1	GGE-4803
	GX-9A	1	GGE-4804M, GGE-4805M, GGE-4807M, GGE-4808M
(B) Drive End Felt Washer, Inner	GBM-125	1	GGE-4806A, B, C, S, GGE-4809B, S
(C) Drive End Felt Washer, Outer	GBM-128	1	GGE-4806A, B, C, S, GGE-4809B, S
 SCREWS			
(A) Brush Holder Mounting, Round Head #8-32x5/16	19X-304	2	GGE-4805M, GGE-4808M
(A) Brush Lead, Round Head #8-32x1/4	8X-10	2	GGE-4804M, GGE-4805M, GGE-4807M, GGE-4808M
	8X-305	2	GGE-4803, GGE-4806A, B, C, S, GGE-4809B, S
(B) Commutator End Cover, Fill. Head #8-32x5/16	8X-888	4	GGE-4803, GGE-4806A, B, C, S, GGE-4809B, S
	8X-1754	4	GGE-4804M, GGE-4805M, GGE-4807M, GGE-4808M
(C) Cover Band, Round Head #10-32x1 1/2	8X-714	1	GGE-4803, GGE-4806A, B, C, S, GGE-4809B, S
(D) Cover Band, Fill. Head #10-32x1 1/2	8X-2882	1	GGE-4804M, GGE-4805M, GGE-4807M, GGE-4808M
(E) Drive End Bearing Retainer, Round Head #10-32x1/2	GGW-52	3	GGE-4806A, B, C, S, GGE-4809B, S
(E) Drive End Bearing Retainer, Round Head #10-32x3/8	8X-21	3	GGE-4804M, GGE-4805M, GGE-4807M, GGE-4808M
	8X-311	3	GGE-4803
(E) Ground, Round Head #10-32x5/16	8X-20	1	GGE-4804M, GGE-4805M, GGE-4807M, GGE-4808M
	8X-321	1	GGE-4803, GGE-4806A, B, C, S, GGE-4809B, S
(F) Pole Shoe	GK-38	2	GGE-4803, GGE-4806A, B, C, S, GGE-4809B, S
	GK-38C	2	GGE-4804M, GGE-4805M, GGE-4807M, GGE-4808M
 SNAP RING, ARMATURE SHAFT	GAR-171	1	GGE-4803, GGE-4806A, B, C, S, GGE-4809B, S
 SPACER, ARMATURE SHAFT	GJ-104B	1	GGE-4806A, B, S, GGE-4809B, S
 STUD, TERMINAL			
Armature Terminal, #14-24	GEA-27	1	GGE-4803, GGE-4806A, B, C, S, GGE-4809B, S
Armature Terminal, 5/16-24	GFL-27	1	GGE-4804M, GGE-4805M, GGE-4807M, GGE-4808M
Field Terminal, #10-32	GEB-58	1	GGE-4803, GGE-4806A, B, C, S, GGE-4809B, S
Field Terminal, 1/4-28	GFL-31	1	GGE-4804M, GGE-4805M, GGE-4807M, GGE-4808M
 TERMINAL, ARMATURE LEAD	X-847	1	GGE-4803, GGE-4808A, B, C, S, GGE-4809B, S
	X-847A	1	GGE-4804M, GGE-4805M, GGE-4807M, GGE-4808M
 WASHER			
(A) Felt, D. E.	GAR-95	1	GGE-4804M, GGE-4805M, GGE-4807M, GGE-4808M
	GG-164A	2	GGE-4806A, B, C, S, GGE-4809B, S
(B) Insulating, Armature Terminal, Outer	GAA-32	1	GGE-4803, GGE-4808A, B, C, S, GGE-4809B, S
	GGE-35	1	GGE-4804M, GGE-4805M, GGE-4807M, GGE-4808M
(B) Insulating, Field Terminal, Outer	GBW-34	1	GGE-4803, GGE-4806A, B, C, S, GGE-4809B, S
	GDW-44	1	GGE-4804M, GGE-4805M, GGE-4807M, GGE-4808M
(C) Plain, Armature Terminal, 5/16	MU-37G	1	GGE-4804M, GGE-4805M, GGE-4807M, GGE-4808M
(D) Plain, Armature Terminal, 1/4	8X-361	1	GGE-4803, GGE-4806A, B, C, S, GGE-4809B, S
(E) Plain, Field Terminal, #10	8X-349	1	GGE-4803, GGE-4806A, B, C, S, GGE-4809B, S
(D) Plain, Field Terminal, 1/4	19X-361	1	GGE-4804M, GGE-4805M, GGE-4807M, GGE-4808M
 WICK, FELT	GAR-73	1	All

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
DK-23	2	Bolt, Thru
(GGF-2025)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term., Outer
GAL-44	1	Insulation, Field Connection
GBW-34	1	Washer, Ins., Field Term., Outer
GBW-66	1	Insulation, Arm. Term., Inner
GBW-67	1	Insulation, Field Term., Inner
GBY-38A	2	Screw, Pole Shoe
GC-26	1	Washer, Ins., Arm. Term., Outer
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Field Term.
GGF-1005	1	COIL ASSY., FIELD, COMPLETE
GEA-30B	1	Lead Assembly
X-847	1	Terminal
GEB-27	1	Stud, Arm. Term., #14-24
GEB-58	1	Stud, Field Term., #10-32
GGF-1007	1	Coil, Field, Left
GGF-1008	1	Coil, Field, Right
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term., Hex. #14-24
12X-193	2	Lockwasher, Arm. Term., #14
12X-196	2	Lockwasher, Field Term., #10
8X-349	1	Washer, Plain, Field Term., #10
8X-361	1	Washer, Plain, Arm. Term., 1/4
8X-1377	2	Nut, Field Term., Hex. #10-32
12X-196	1	Lockwasher, Ground Screw, #10
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16
12X-1014	2	Lockwasher, Thru Bolt, 5/16

Comm. End Head Assembly & Parts Used With

DA-39	2	Washer, Plain, Felt Retaining
DA-132	1	Washer, Felt, C.E. Outer
DH-7	1	Washer, Felt, C.E. Inner
GAR-83A	1	Cover, Comm. End
GBJ-25	1	Gasket, C.E. Cover
GGF-2050	1	Head Assy., Comm. End
GCE-53	2	Spring, Brush
GCE-54	2	Arm, Brush
GGF-1012 †	2	Brush

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
12X-195	2	Lockwasher, Brush Lead Sc., #8
X-295	1	BEARING, BALL, S.A.E. #203
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler
8X-726	3	Screw, C.E. Cover, Bdg. Hd. #10-32x7/16
X-1270	3	Washer, Cover Sc., Skpf. #10

Armature Assembly & Parts Used With

GAR-1177	1	Oil Thrower
GBM-21B	1	Nut, Shaft, Hex. .669-20
GGF-2128F	1	ARMATURE
SP-230A	1	Fan, Ventilating
X-157	1	Nut, Shaft, D.E., Slotted 1/2-20
X-258	1	Key, Woodruff, C.E., #3
X-260	1	Key, Woodruff, C.E., #5
X-263	1	Key, Woodruff, D.E., #8
X-358	1	Washer, Shaft, D.E., Plain 1/2
X-404	1	Pin, Cotter 3/32x1
12X-864	1	Lockwasher, Shaft, C.E.

Drive End Head Assembly & Parts Used With

GCE-1076	1	Head Assy., Drive End
GCE-76	1	Head, Drive End
GX-9	1	Retainer, Bearing
GX-10	1	Gasket, Brg. Retainer
12X-196	3	Lockwasher, Retainer Sc., #10
8X-311	3	Screw, Retainer, Rd. Hd. #10-32x3/8
X-378	1	BEARING, BALL, SHIELDED, S.A.E. #204

Miscellaneous Parts

GCE-24	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GGF-2012S.

NOTE: VRV-4003A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GGF-4801	Lathrop

(Issued 6-3-49)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GGF-4802 GENERATOR PARTS LIST GGF-4802

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
DK-23	2	Bolt, Thru
(GGF-2025)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term., Outer
GAL-44	1	Insulation, Field Connection
GBW-34	1	Washer, Ins., Field Term., Outer
GBW-66	1	Insulation, Arm. Term., Inner
GBW-67	1	Ins., Field Term., Inner
GBY-38A	2	Screw, Pole Shoe
GC-26	1	Washer, Ins., Arm. Term., Outer
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Field Term.
GGF-1005	1	Coil Assy., Field, Complete
GEA-30B	1	Lead Assy.
X-847	1	Terminal
GEB-27	1	Stud, Arm. Term., #14-24
GEB-58	1	Stud, Field Term., #10-32
GGF-1007	1	Coil, Field, Left
GGF-1008	1	Coil, Field, Right
MN-21	2	Pin, Dowel, Head Locating
8X-177	2	Nut, Arm. Term., Hex., #14-24
X-193	2	Washer, Lock, Arm. Term., #14
X-196	2	Washer, Lock, Field Term., #10
8X-349	1	Washer, Plain, Field Term., #10
8X-361	1	Washer, Plain, Arm. Term., 1/4
8X-1377	2	Nut, Field Term., Hex., #10-32
X-196	1	Lockwasher, Ground Sc., #10
8X-321	1	Screw, Ground, Rd. Hd. #10-32x 5/16
X-1014	2	Lockwasher, Thru Bolt, 5/16

Comm. End Head Assembly & Parts Used With

DA-39	2	Washer, Plain
DA-132	1	Washer, Felt, C.E. Outer
DH-7	1	Washer, Felt, C.E. Inner
GAR-83A	1	Cover, Comm. End
GBJ-25	1	Gasket, C.E. Cover
GGF-2050	1	Head Assy., Comm. End
GCE-53	2	Spring, Brush
GCE-54	2	Arm, Brush
GGF-1012†	2	Brush
X-195	2	Lockwasher, Brush Lead Sc., #8
X-295	1	Bearing, Ball, S.A.E. #203
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
		1 2 3 4 5

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
X-489	1	Oiler, Hinge Top, Press in, 1/4
8X-726	3	Screw, C.E. Cover, Bdg. Hd. #10-32x7/16
X-1270	3	Washer, C.E. Cover, Skpf. #10

Armature Assembly & Parts Used With

GAR-1177	1	Oil Thrower
GBM-21	1	Nut, Arm. Shaft, C.E., Hex., .669-20
GGF-2087F	1	Armature
SP-230A	1	Fan, Ventilating
X-157	1	Nut, Shaft, D.E., Slotted 1/2-20
X-258	1	Key, Woodruff, C.E., #3
X-263	1	Key, Woodruff, D.E., #8
X-358	1	Washer, Shaft, Plain 1/2
X-404	1	Pin, Cotter, 3/32x1
X-864	1	Lockwasher, Shaft, C.E.

Drive End Head Assembly & Parts Used With

GCE-1076	1	Head Assy., Drive End
GCE-76	1	Head
GX-9	1	Retainer, Bearing
GX-10	1	Gasket, Retainer
X-196	3	Lockwasher, Retainer Sc., #10
8X-311	3	Screw, Bearing Retainer Rd. Hd., #10-32x3/8
X-378	1	Bearing, Ball, Shielded, S.A.E. #204

Miscellaneous Parts

GCE-24C	1	Band, Cover
8X-715	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/4
8X-794	1	Nut, Cover Band, Square #10-32
		1 2 3 4 5

† Brush Set, Service GGF-2012S.

NOTE:- VRV-4003A Current-Voltage Regulator is used with but is not a part of this generator.

Unit	Application
GGF-4802	Buda

(Issued 1-14-47)

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GGF-4803A GENERATOR PARTS LIST

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
DK-23C	2	Bolt, Thru
(GGF-2082)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term., Outer
GAL-44	1	Insulation, Field Connection
GBW-34	1	Washer, Ins., Field Term., Outer
GBW-66	1	Insulation, Arm. Term., Inner
GBW-67	1	Insulation, Field Term., Inner
GBY-38A	2	Screw, Pole Shoe
GC-26	1	Washer, Ins., Arm. Term., Outer
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Field Term.
GGF-1005	1	COIL ASSY., FIELD, COMPLETE
GEA-30B	1	Lead Assy.
X-847	1	Terminal
GEB-27	1	Stud, Arm. Term.,#14-24
GEB-58	1	Stud, Field Term.,#10-32
GGF-1007A	1	Coil, Field, Left
GGF-1008	1	Coil, Field, Right
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term., Hex. #14-24
12X-193	2	Lockwasher, Arm. Term., #14
12X-196	2	Lockwasher, Field Term., #10
8X-349	1	Washer, Plain, Field Term., #10
8X-361	1	Washer, Plain, Arm. Term., 1/4
8X-1377	2	Nut, Field Term., Hex. #10-32
12X-196	1	Lockwasher, Ground Sc., #10
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16
12X-1014	2	Lockwasher, Thru Bolt

Comm. End Head Assembly & Parts Used With

DA-22	1	Washer, Bearing Retaining
DA-39	1	Washer, Plain, Brg. Retaining
DA-60	1	Screw, Bearing Retaining
DH-7	1	Washer, Felt Comm. End
GBJ-25	1	Gasket, C.E. Cover
GBJ-32A	1	Cover, Comm. End
GGF-2118S	1	Head Assy., Comm. End

Comm. End Head Assy. (Continued)

Part No.	No. Used	Name of Part
GCE-53	2	Spring, Brush
GCE-54	2	Arm, Brush
GGF-1012†	2	Brush
12X-195	2	Lockwasher, Lead Sc., #8
12X-196	3	Lockwasher, Cover Sc., #10
12X-199	1	Lockwasher, Brg. Retaining Sc., 1/4
X-295	1	BEARING, BALL. S.A.E. #203
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler
8X-870	3	Screw, Cover, Fill. Hd. #10-32x5/16

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm. Shaft, D.E.
GEG-31	1	Spacer, Arm. Shaft
GGF-2148F	1	ARMATURE
SP-852	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

GCE-1147	1	Head Assy., Drive End
GAU-31	1	Washer, Felt, Inner
GCE-147	1	Head, Drive End
GG-6	1	Retainer, Bearing
GK-176	1	Retainer, Felt, Inner
GT-76	1	Retainer, Felt, Outer
GT-78	1	Washer, Felt, Outer
12X-196	3	Lockwasher, Retainer Sc., #10
X-295	1	BEARING, BALL, S.A.E. #203
8X-311	3	Screw, Brg. Retainer, Rd. Hd. #10-32x3/8
X-489	1	Oiler

Miscellaneous Parts

GCE-24	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x 1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

NOTE: VRV-4003A CURRENT VOLTAGE REGULATOR is used with but is not a part of this generator.

† BRUSH SET, SERVICE GGF-2012S.

UNIT	APPLICATION
GGF-4803A	Buda, Le Tourneau

(Issued 9-18-50)

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
DK-23	2	Bolt, Thru
(GGF-2082)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term., Outer
GAL-44	1	Insulation, Field Conn.
GBW-34	1	Washer, Ins., Field Term., Outer
GBW-66	1	Insulation, Arm. Term.,Inner
GBW-67	1	Insulation, Field Term.,Inner
GBY-38A	2	Screw, Pole Shoe
GC-26	1	Washer, Ins., Arm. Term., Outer
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Field Term.
GGF-1005	1	COIL ASSY., FIELD, COMP.
GEA-30B	1	Lead Assy.
X-847	1	Terminal
GEB-27	1	Stud, Arm. Term., #14-24
GEB-58	1	Stud, Field Term., #10-32
GGF-1007	1	Coil, Field, Left
GGF-1008	1	Coil, Field, Right
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term. Hex. #14-24
12X-193	2	Lockwasher, Arm. Term., #14
12X-196	2	Lockwasher, Field Term., #10
8X-349	1	Washer, Plain, Field Term., #10
8X-361	1	Washer, Plain, Arm. Term. 1/4
8X-1377	2	Nut, Field Term. Hex. #10-32
12X-196	1	Lockwasher, Grd. Sc. #10
8X-321	1	Screw, Ground Rd. Hd. #10-32x5/16
12X-1014	2	Lockwasher, Thru Bolt, 5/16

Comm. End Head Assembly & Parts Used With

DA-22	1	Washer, Bearing Retaining
DA-39	1	Washer, Plain
DA-60	1	Screw, Bearing Retaining
DH-7	1	Washer, Felt, C.E. Inner
GBJ-25	1	Gasket, Comm. End Cover
GBJ-32A	1	Cover, Comm. End
GGF-2118S	1	Head Assy., Comm. End
GCE-53	2	Spring, Brush
GCE-54	2	Arm, Brush
GGF-1012†	2	Brush
12X-195	2	Lockwasher, Brush Lead Sc.#8
12X-196	3	Lockwasher, Cover Sc. #10
12X-199	1	Lockwasher, Brg. Retaining Sc., 1/4
X-295	1	BEARING, BALL, S.A.E. #203

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-488	1	Oiler, Hinge Top, Press In, 1/4
X-870	3	Screw, Cover Fil. Hd. #10-32x5/16

Armature Assembly & Parts Used With

GBG-49	1	Spacer, Armature Shaft
GFR-56	1	Spacer, Armature Shaft
GGF-2142F	1	ARMATURE
SP-847	1	Pulley, Drive

Drive End Head Assembly & Parts Used With

GEH-1084S	1	Head Assy., Drive End
GBG-57	1	Retainer, Felt Washer
GBG-58	1	Washer, Felt Retaining
GBG-182	1	Gasket
GBG-1181	1	Retainer Assy. Bearing
GBG-57	1	Retainer, Felt Washer
GBG-58	1	Washer, Felt
GBG-181	1	Retainer, Bearing
GEH-84S	1	Head
8X-119	4	Screw, Bearing Retainer Fil. Hd., #10-32x1/2
X-196	4	Lockwasher Retainer Sc. #10
X-444	1	BEARING, BALL, S.A.E. #305
X-489	1	Oiler, Press in Type, 1/4

Miscellaneous Parts

GCE-24	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GGF-2012S.

NOTE: VRV-4003A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GGF-4805A	Continental

(Issued 8-25-48)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
DK-23	2	Bolt, Thru
(GGF-2092)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term., Outer
GAL-44	1	Insulation, Field Connection
GBW-34	1	Washer, Ins., Field Term., Outer
GBW-66	1	Insulation, Arm. Term., Inner
GBW-67	1	Insulation, Field Term., Inner
GBY-38A	2	Screw, Pole Shoe
GC-26	1	Washer, Ins., Arm. Term., Outer
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Field Term.
GGF-1005	1	COIL ASSY., FIELD, COMPLETE
GEA-30B	1	Lead Assembly
X-847	1	Terminal
GEB-27	1	Stud, Arm. Term., #14-24
GEB-58	1	Stud, Field Term., #10-32
GGF-1007	1	Coil, Field, Left
GGF-1008	1	Coil, Field, Right
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term., Hex. #14-24
12X-193	2	Lockwasher, Arm. Term., #14
12X-196	2	Lockwasher, Field Term., #10
8X-349	1	Washer, Plain, Field Term., #10
8X-361	1	Washer, Plain, Arm. Term., 1/4
8X-1377	2	Nut, Field Term., Hex. #10-32
12X-196	1	Lockwasher, Ground Screw, #10
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16
12X-1014	2	Lockwasher, Thru Bolt, 5/16

Comm. End Head Assembly & Parts Used With

DA-22	1	Washer, Bearing Retaining
DA-39	1	Washer, Plain, Felt Retaining
DA-60	1	Screw, Bearing Retaining
DH-7	1	Washer, Felt, C.E. Inner
GBJ-25	1	Gasket, C.E. Cover
GBJ-32A	1	Cover, Comm. End
GGF-2002	1	Head Assy., Comm. End
GCE-53	2	Spring, Brush

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
GCE-54	2	Arm, Brush
GGF-1012†	2	Brush
12X-195	2	Lockwasher, Brush Lead Sc., #8
12X-196	3	Lockwasher, Cover Screw, #10
12X-199	1	Lockwasher, Brg. Retaining Sc., 1/4
X-295	1	BEARING, BALL, S.A.E. #203
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler
8X-870	3	Screw, Cover, Fill. Hd. #10-32x5/16

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm. Shaft, D.E.
GGF-44	1	Spacer, Armature Shaft
GGF-2151F	1	ARMATURE
*	1	Pulley, Drive
X-263	1	Key, Woodruff, #8
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

GGF-1003	1	Head Assy., Drive End
GGF-3	1	Head, Drive End
GGF-9	2	Washer, Felt
GGF-10	1	Retainer, Felt Washer, Outer
GGF-11	1	Gasket, Brg. Retainer
GGF-12	1	Retainer, Felt Washer, Inner
GGF-13	1	Retainer, Bearing
12X-196	3	Lockwasher, Brg. Retainer Sc., #10
X-298	1	BEARING, BALL, S.A.E. #204
8X-311	3	Screw, Brg. Retainer, Rd. Hd. #10-32x3/8
X-489	1	Oiler

Miscellaneous Parts

GCE-24	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GGF-2012S.

NOTE: VRV-4003B CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

(Continued on Reverse Side)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

* See table following parts list for part numbers applying to assembly wanted.

Assembly No.	Pulley
GGF-6001A	SP-851
GGF-6001B	SP-829
GGF-6001S	None

UNIT	APPLICATION
GGF-6001A	Buda
GGF-6001B	Harnischfeger Corp.

(Issued 6-3-49)

Printed in U. S. A.

File in
Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GGG-2030)	1	Frame & Field Assy.
GBW-66A	1	Insulation, Field Term.,Inner
GDW-22A	1	Insulation, Arm. Term.,Inner
GDW-44	1	Washer, Ins., Field Term.
GEF-1005C	1	Coil Assy., Field, Comp.
GEA-30E	1	Lead Assy.
X-847	1	Terminal
GEF-1007A	1	Coil, Field, Left
GEF-1008C	1	Coil, Field, Right
GFL-27	1	Stud, Arm. Term., 5/16-24
GFL-31	1	Stud, Field Term., 1/4-28
GGE-33	1	Bushing, Ins., Arm. Term.
GGE-34	1	Bushing, Ins., Field Term.
GGE-35	1	Washer, Ins., Arm. Term.
GK-38C	2	Screw, Pole Shoe
MN-21A	2	Pin, Dowel
MU-37G	1	Washer, Plain, Arm. Term., 5/16
X-180	2	Nut, Arm. Term., Hex. 5/16-24
12X-199	2	Lockwasher, Field Term., 1/4
19X-361	1	Washer, Plain, Field Term., 1/4
12X-1014	2	Lockwasher, Arm. Term., 5/16
X-2903	2	Nut, Field Term., Hex. 1/4-28
GY-20B	2	Bolt, Thru
8X-20	1	Screw, Ground, Rd. Hd. #10-32x5/16
12X-196	1	Lockwasher, Ground Sc., #10
12X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

GGE-2002	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98C	1	Cover, Wick
GBW-69	1	Gasket, C.E. Cover
GBW-72A	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GBW-1012A†	2	Brush
GBW-1068C	1	Cover, Comm. End
GGE-1002A	1	Head Assy., Partial, C.E.
GBF-79	1	BEARING, ABS. BRONZE
GBW-45A	2	Spring, Brush
GCJ-26A	2	Arm. Brush
12X-195	4	Lockwasher, Cover Sc., #8
8X-1754	4	Screw, Cover, Fill. Hd. #8-32x5/16
8X-10	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
12X-195	2	Lockwasher, Brush Lead Sc., #8
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GDP-2052FM	1	ARMATURE
GDZ-1085	1	Oil Thrower

Drive End Head Assembly & Parts Used With

GGE-1003	1	Head Assy., Drive End
GAR-95	1	Washer, Felt
GGE-3	1	Head, Drive End
GX-9A	1	Retainer, Bearing
GX-10	1	Gasket, Brg. Retainer
8X-21	3	Screw, Retainer, Rd. Hd. #10-32x3/8
12X-196	3	Lockwasher, Retainer Sc., #1[illegible]
X-378	1	BEARING, BALL, SHIELDED, S.A.E. #204
X-489A	1	Oiler, Hinge Top, Press in, 1/4

Miscellaneous Parts

GBW-1024N	1	Band, Cover
8X-2873	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/4
8X-2875	1	Nut, Cover Band, Square #10-32
		1 2 3 4 5

† BRUSH SET, SERVICE GBW-2012AS.

NOTE: - VRS-4102DM CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GGG-4801M	Chrysler Marine

(Issued 1-22-48)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GGG-3031)	1	Frame & Field Assy.
GBW-66A	1	Insulation, Field Term.,Inner
GDW-22A	1	Insulation, Arm. Term.,Inner
GDW-44	1	Washer, Ins., Field Term.
GEF-1005C	1	Coil, Assy., Field, Comp.
GEA-30E	1	Lead Assy.
X-847	1	Terminal
GEF-1007A	1	Coil, Field Left
GEF-1008C	1	Coil, Field, Right
GFL-27	1	Stud, Arm. Term., 5/16-24
GFL-31	1	Stud, Field Term., 1/4-28
GGE-33	1	Bushing, Ins., Arm. Term.
GGE-34	1	Bushing, Ins., Field Term.
GGE-35	1	Washer, Ins., Arm. Term.
GK-38C	2	Screw, Pole Shoe
MN-21A	2	Pin, Dowel
MU-37G	1	Washer, Plain, Arm. Term., 5/16
X-180	2	Nut, Arm. Term., Hex. 5/16-24
12X-199	2	Lockwasher, Field Term., 1/4
19X-361	1	Washer, Plain, Field Term., 1/4
12X-1014	2	Lockwasher, Arm. Term., 5/16
X-2903	2	Nut, Field Term., Hex. 1/4-28
GY-20B	2	Bolt, Thru
8X-20	1	Screw, Ground, Rd. Hd. #10-32x5/16
12X-196	1	Lockwasher, Ground Sc., #10
12X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

GGE-3004	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98C	1	Cover, Wick
GBW-69	1	Gasket, C.E. Cover
GBW-72A	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GBW-1012A†	2	Brush
GBW-1068C	1	Cover, Comm. End
GGE-1004A	1	Head Assy., Partial, Comm. End
GBF-79	1	BEARING, ABS. BRONZE
GBW-45A	1	Spring, Grounded Brush
GCJ-26A	1	Arm, Grounded Brush
GDZ-1084	1	Holder Assy., Ins. Brush
GBW-45A	1	Spring, Brush
GCJ-26A	1	Arm, Brush
		1 2 3 4 5

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
12X-195	2	Lockwasher, Br. Holder Sc., #8
19X-304	2	Screw, Br. Holder Rd. Hd. #8-32x5/16
12X-195	4	Lockwasher, Cover Sc., #8
8X-1754	4	Screw, Cover, Fill. Hd. #8-32x5/16
8X-10	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
12X-195	2	Lockwasher, Brush Lead Sc., #8

Armature Assembly & Parts Used With

GDP-2052FM	1	ARMATURE
GDZ-1085	1	Oil Thrower

Drive End Head Assembly & Parts Used With

GGE-1003	1	Head Assy., Drive End
GAR-95	1	Washer, Felt
GGE-3	1	Head, Drive End
GX-9A	1	Retainer, Bearing
GX-10	1	Gasket, Brg. Retainer
8X-21	3	Screw, Retainer, Rd. Hd. #10-32x3/8
12X-196	3	Lockwasher, Retainer Sc., #10
X-378	1	BEARING, BALL, SHIELDED, S.A.E. #204
X-489A	1	Oiler, Hinge Top, Press in, 1/4

Miscellaneous Parts

GBW-1024N	1	Band, Cover
8X-2873	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/4
8X-2875	1	Nut, Cover Band, Square #10-32
		1 2 3 4 5

† Brush Set, Service GBW-2012AS.

NOTE: - VRS-4102DM CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GGG-4802M	Chrysler Marine

(Issued 1-22-48)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GGG-3036)	1	Frame & Field Assembly
GAL-44	1	Insulation, Field Connection
GBF-55	1	Washer, Ins., Field Term. Outer
GBW-66	1	Insulation, Arm. Term. Inner
GBW-67	1	Insulation, Field Term. Inner
GDW-44	1	Washer, Ins., Arm. Term. Outer
GEF-1005D	1	COIL ASSY., FIELD, COMP.
GEA-27	1	Stud, Arm. Term. #14-24
GEA-30A	1	Lead Assy.
X-847	1	Terminal
GEB-58	1	Stud, Field Term. #10-32
GEF-1007	1	Coil, Left
GEF-1008D	1	Coil, Right
GGG-25	1	Bushing, Ins., Field Term.
GGG-26	1	Bushing, Ins. Arm. Term.
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term. Hex. #14-24
12X-193	2	Lockwasher, Arm. Term.#14
12X-196	2	Lockwasher, Field Term.#10
8X-349	1	Washer, Plain, Field Term. #10
8X-361	1	Washer, Plain, Arm. Term. 1/4
8X-1377	2	Nut, Field Term. Hex. #10-32
GK-20A	2	Bolt, Thru
12X-196	1	Lockwasher, Ground Screw, #10
12X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

GGE-3004A	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBW-69	1	Gasket, C.E. Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Retaining
GBW-1012A†	2	Brush, Main
GBW-1068	1	Cover, Comm. End
GGE-1004C	1	Head Assy., Partial, C.E.
GBF-79	1	BEARING, BRONZE
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GDZ-1084	1	Holder Assy., Ins. Brush
GBW-45A	1	Spring, Brush
GCJ-26A	1	Arm, Brush
12X-195	2	Lockwasher, Holder Sc.#8
8X-304	2	Screw, Holder Attaching, Rd. Hd. #8-32x5/16
12X-195	4	Lockwasher, Cover Sc. #8

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
8X-888	4	Screw, C.E. Cover, Fil. Hd. #8-32x5/16
12X-195	2	Lockwasher, Brush Lead Sc., #8
8X-305	2	Screw, Brush Lead, Rd. Hd., #8-32x1/4

Armature Assembly & Parts Used With

GAR-1177	1	Oil Thrower
GDP-2081F	1	ARMATURE
GK-174	1	Washer, Plain, 1/2
X-156	1	Nut, Shaft, Castellated 1/2-20
X-263	1	Key, Woodruff, #8
X-404	1	Pin, Cotter, 3/32x1

Drive End Head Assembly & Parts Used With

GAR-1247BS	1	Head Assy., Drive End
GAR-95	1	Washer, Felt
GAR-247BS	1	Head
GX-9	1	Retainer, Bearing
GX-10	1	Gasket
12X-196	3	Lockwasher, Brg. Retainer Sc. #10
8X-311	3	Screw, Brg. Retainer Rd. Hd. #10-32x3/8
X-378	1	BEARING, BALL, S.A.E. #204

Miscellaneous Parts

GBW-1024C	1	Band, Cover
X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GBW-2012S.

NOTE: VRS-4004E CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GGG-4803	Atlas Imperial

(Issued 8-25-48)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GGH-4501 GENERATOR PARTS LIST

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GCO-20	2	Bolt, Thru
(GGH-3038)	1	Frame & Field Assy.
GAA-30	1	Insulation, Arm. Term., Inner
GAA-32	1	Washer, Ins., Arm. Term., Outer
GBY-38A	2	Screw, Pole Shoe
GCT-25	1	Bushing, Ins., Arm. Term.
GEE-23	1	Lead Assy.
GAA-27	1	Stud, Arm. Term., #14-24
X-947	1	Terminal
GGH-2005	1	COIL ASSY., FIELD, COMPLETE
GAA-27	1	Stud, Field Term.,#14-24
GGH-1007	1	Coil Assy., Field, Right
X-947	1	Terminal
GGH-1008	1	Coil, Field, Left
MN-21	2	Pin, Dowel
8X-177	4	Nut, Term. Stud, Hex. #14-24
12X-193	4	Lockwasher, Term. Stud, #14
8X-361	1	Washer, Plain, Arm. Term., 1/4
X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

GEE-27	1	Gasket, C.E. Cover
GEE-28	1	Cover, Comm. End
GGH-3002	1	Head Assy., Comm. End
GAL-12†	2	Brush, Main
GAL-199	2	Block, Brush Screw
GAL-205	2	Spring, Retaining, 3rd. Brush Plate
GAL-242	2	Holder, Brush
GCX-19	2	Spring, Brush
GDU-30	1	Lead Assy.
X-958	2	Terminal
GET-1002	1	Head, Comm. End
GGH-2213	1	Plate Assy., 3rd. Brush
GAL-199	1	Block, Brush Screw
GAL-242	1	Holder, Brush
GAR-13†	1	Brush, Third
GAR-1213	1	Plate, 3rd. Brush
GCX-19	1	Spring, Brush
8X-59	1	Screw, Brush Lead, Rd. Hd. #8-32x3/16
X-1276	1	Washer, Brush Lead Sc., Skpf. #8
8X-1505	1	Screw, Brush, Bdg. Hd. #8-32x9/16

Comm. End Head Assembly & Parts Used With

Part No.	No. Used	Name of Part
8X-59	2	Screw, Brush Lead, Rd. #8-32x3/16
8X-63	2	Screw, Brush Plate, Flat Hd. #8-32x3/8
12X-195	2	Lockwasher, Ground Lead Screw, #8
8X-304	1	Screw, Ground Lead, Rd. Hd. #8-32x5/16
X-1276	1	Washer, Brush Lead Screw Skpf. #8
8X-1505	2	Screw, Brush, Bdg. Hd. #8-32x9/16
8X-62	3	Screw, C.E. Cover, Flat Hd. #10-32x3/8
X-1499	1	BEARING, BALL, SEALED, S.A.E. #203

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm. Shaft, C.E.
GEE-25	1	Noise Eliminator
GG-60	1	Spacer
GGH-2035	1	ARMATURE ASSY.
GAR-171	1	Snap Ring
X-260	1	Key, Woodruff, #5
12X-864	1	Lockwasher, Arm. Shaft, C.E.

Drive End Head Assembly & Parts Used With

GGH-3	1	Head, Drive End
X-1498	1	BEARING, BALL

Miscellaneous Parts

GET-24	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GAL-2012A.

NOTE: CBK-4001 CUTOUT RELAY is used with but is not a part of this generator.

UNIT	APPLICATION
GGH-4501	Wincharger Corp.

(Issued 10-11-49)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCD-20A	2	Bolt, Thru
GGA-59	1	Bracket, Gen. Mtg.
(GGJ-2033)	1	Frame & Field Assy.
GAA-32	1	Washer Arm. Term. Ins. Outer
GAU-45	1	Insulation, Field Connection
GBW-34	1	Washer, Field Term. Ins. Outer
GBY-38A	4	Screw, Pole Shoe
GDD-27	1	Bushing, Field Term. Ins.
GDD-28	1	Bushing, Arm. Term. Ins.
GFY-1005	1	Coil Assy., Field Complete
GEB-58	1	Stud, Field Term. #10-32
GFY-1007A	1	Coil Assy., Field Left
GCD-79	1	Lead Assy.
X-1425	1	Terminal
GEB-27	1	Stud, Arm. Term.
GFY-1008A	1	Coil, Field, Right
GGA-52	1	Insulation Term. Stud Inner
MN-21	2	Pin, Dowel
8X-177	2	Nut, Term. Stud Hex. #14-24
12X-193	2	Lockwasher, Term. Stud #14
12X-196	2	Lockwasher, Field Term. #10
8X-349	1	Washer, Field Term. Plain #10
8X-361	1	Washer, Arm. Term. Plain 1/4
8X-1377	2	Nut, Field Term. Hex. #10-32
8X-149	2	Nut, Hex., 7/16-14
8X-159	2	Nut, Thru Bolt, Hex. 3/8-24
12X-201	2	Lockwasher, Thru Bolt, 3/8
12X-205	2	Lockwasher, Mtg. Bracket, 7/16
8X-2960	2	Screw, Hex. Hd. 7/16-14x1 3/8

Comm. End Head Assembly & Parts Used With

DA-22	1	Washer, Bearing Retaining
DA-60	1	Screw, Bearing Retaining
DB-17	1	Washer, Plain, Felt Retaining
DD-24C	1	Cover, Comm. End
DD-44	1	Gasket, C.E. Cover
GBY-28	1	Washer, Felt, C.E. Outer
GGJ-2021	1	Head Assy., Comm. End
GBY-25	2	Spring, Brush
GBY-34	2	Arm, Brush
GGJ-1012†	2	Brush Assembly
8X-119	3	Screw, C.E. Head, Fil. Hd. #10-32x1/2
12X-195	2	Lockwasher, Brush Lead Sc., #8
12X-199	1	Lockwasher, Brg. Ret'g. 1/4
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler, Hinge Top, Press in, 1/4
12X-544	3	Lockwasher, C.E. Hd. Sc., #10
X-867	1	Bearing, Ball, Shielded, S.A.E. #303
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GBM-21	1	Nut, Armature Shaft
GGA-48	1	Spacer, Armature Shaft
GGJ-2097F	1	Armature Assy.
SP-855	1	Pulley, Drive
X-263	1	Key, Woodruff, D.E., #8
12X-864	1	Lockwasher, Shaft

Drive End Head Assembly & Parts Used With

GGA-1043	1	Head Assy., Drive End
GAR-178	2	Retainer, Bearing
GAR-179	2	Retainer, Felt Washer
GGA-43	1	Head
GJ-147	2	Felt, Retainer
8X-173	3	Nut, Retainer Sc. Hex. #10-32
12X-196	3	Lockwasher, Retainer Sc. #10
X-298	1	Bearing, Ball S.A.E. #204
8X-306	3	Screw, Brg. Retainer Rd. Hd. #10-32x1
X-489	1	Oiler, Press in type 1/4

Miscellaneous Parts

GCD-24B	1	Band. Cover
8X-715	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/4
8X-794	1	Nut, Cover Band, Square #10-32
		1 2 3 4 5

NOTE:- VAV-4002A Current-Voltage Regulator is used with but is not a part of this generator.

† Brush Set, Service GGJ-2012S.

Unit	Application
GGJ-4802A	Diamond T, Continental

(Issued 11-1-46)
File in
Equipment & Parts List Binder

Printed in U. S. A.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GGA-20	2	Bolt, Thru
*	1	Bracket, Gen. Mtg.
GGJ-2033	1	Frame & Field Assembly
GAA-32	1	Washer, Arm. Term. Ins. Outer
GBW-34	1	Washer, Field Term. Ins. Outer
GBY-38A	4	Screw, Pole Shoe
GDD-27	1	Bushing, Field Term. Ins.
GDD-28	1	Bushing, Arm. Term. Ins.
GFY-1005	1	COIL ASSY., FIELD, COMPLETE
GEB-58	1	Stud, Field Term., #10-32
GFY-1007A	1	Coil Assy., Field Left
GFY-53A	1	Lead Assembly
X-1425	1	Terminal
GGJ-27	1	Stud, Arm. Term., 1/4-28
GFY-1008A	1	Coil, Field, Right
GGA-52	1	Insulation, Term. Stud, Inner
MN-21	2	Pin, Dowel
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-349	1	Washer, Field Term., Plain #10
8X-361	1	Washer, Arm. Term., Plain #10
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
*	2	Nut, Brkt. Sc., Hex. 7/16-14
12X-196	1	Lockwasher, Ground Sc., #10
12X-201	2	Lockwasher, Thru Bolt, 3/8
*	2	Lockwasher, Bracket Sc., 7/16
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16
*	1	Screw, Mtg. Brkt., Hex. Hd. 7/16-14x1 3/8

Comm. End Head Assembly & Parts Used With

DA-22	1	Washer, Bearing Retaining
DA-60	1	Screw, Bearing Retaining
DB-17	1	Washer, Plain, Felt Retaining
DD-24C	1	Cover, Comm. End
DD-44	1	Gasket, C.E. Cover
GBY-28	1	Washer, Felt
GCD-2012S	1	BRUSH SET, SERVICE

Comm. End Head Assembly (Cont.)

Part No.	No. Used	Name of Part
GGJ-2021S	1	Head Assy., Comm. End
GBY-25	2	Spring, Brush
GCE-54	2	Arm, Brush
8X-119	3	Screw, Cover, Fill. Hd. #10-32x1/2
12X-195	2	Lockwasher, Lead Sc., #8
12X-196	3	Lockwasher, Cover Screw, #10
12X-199	1	Lockwasher, Brg. Retaining Sc., 1/4
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler
X-867	1	BEARING, BALL, SHIELDED S.A.E. #303

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm. Shaft, D.E.
GGA-70	1	Spacer, Armature Shaft
GGJ-2093F	1	ARMATURE
*	1	Pulley, Drive
X-263	1	Key, Woodruff #8
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

GGA-1068	1	Head Assy., Drive End
GGA-68	1	Head, Drive End
GGF-9	2	Washer, Felt
GGF-10	1	Retainer, Felt Washer, Outer
GGF-11	1	Gasket
GGF-12	1	Retainer, Felt Washer, Inner
GGF-13	1	Retainer, Bearing
12X-196	3	Lockwasher, Retainer Sc., #10
X-298	1	BEARING, BALL, S.A.E. #204
8X-311	3	Screw, Retainer, Rd. Hd. #10-32x3/8
X-489	1	Oiler

Miscellaneous Parts

GCD-24	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

* See table following parts list for part number applying to assembly wanted.

NOTE: VBA-4205A CURRENT-VOLTAGE REGULATOR is used with, but is not a part of these generators.

(Continued on Reverse Side)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GGJ-4803A, B, C GENERATOR PARTS LIST (Cont.)

Assembly No.	Pulley	Bracket	Nut	Washer	Screw
GGJ-4803A	SP-876	None	None	None	None
GGJ-4803B	SP-871	GGA-59	8X-149	12X-205	8X-2960
GGJ-4803C	SP-871	None	None	None	None

UNIT	APPLICATION
GGJ-4803A	White
GGJ-4803B, C	Diamond T.

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking su -parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

Frame and Field Assembly & Parts Used With

Part No.	No. Used	Name of Part 1 2 3 4 5
GGA-20	2	Bolt, Thru
(GGJ-2033)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term., Outer
GAU-45	1	Insulation, Field Connection
GBW-34	1	Washer, Ins., Field Term., Outer
GBY-38A	4	Screw, Pole Shoe
GDD-27	1	Bushing, Ins., Field Term.
GDD-28	1	Bushing, Ins., Arm. Term.
GFY-1005	1	COIL ASSY., FIELD, COMPLETE
GEB-58	1	Stud, Field Term.,#10-32
GFY-1007A	1	Coil Assy., Field, Left
GEB-27	1	Stud, Arm. Term., #14-24
GFY-53A	1	Lead Assy.
X-1425	1	Terminal
GFY-1008A	1	Coil Field, Right
GGA-52	1	Insulation, Term. Stud, Inner
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term., Hex.,#14-24
12X-193	2	Lockwasher, Arm. Term., #14
12X-196	2	Lockwasher, Field Term.,#10
8X-349	1	Washer, Plain, Field Term., #10
8X-361	1	Washer, Plain, Arm. Term., #14
8X-1377	2	Nut, Field Term., Hex., #10-32
12X-196	1	Lockwasher, Ground Screw, #10
12X-201	2	Lockwasher, Thru Bolt, 3/8
8X-321	1	Screw, Ground, Rd. Hd., #10-32x5/16

Comm. End Head Assembly & Parts Used With

DA-22	1	Washer, Bearing Retaining
DA-60	1	Screw, Bearing Retaining
DB-17	1	Washer, Plain, Felt Retaining
DD-24C	1	Cover, Comm. End
DD-44	1	Gasket, C.E. Cover
GBY-28	1	Washer, Felt
GGJ-2021	1	Head, Assy., Comm. End
GBY-25	2	Spring, Brush
GBY-34	2	Arm, Brush
GGJ-1012†	2	Brush
8X-119	3	Screw, Cover, Fil., Hd., #10-32x1/2
		1 2 3 4 5

Comm. End Head Assembly Con't.

Part No.	No. Used	Name of Part 1 2 3 4 5
12X-195	2	Lockwasher, Brush Lead Sc.,#8
12X-196	3	Lockwasher, Cover Screw, #10
12X-199	1	Lockwasher, Brg. Retaining Sc., 1/4
8X-305	2	Screw, Brush Lead, Rd. Hd., #8-32x1/4
X-489	1	Oiler, Hinge Top, Press in, 1/4
X-867	1	BEARING, BALL, SHIELDED, S.A.E. #303
GBM-21B	1	Nut, Shaft, Hex., .669-20
GGA-70	1	Spacer, Armature Shaft
GGJ-2101F	1	ARMATURE
*	1	Pulley, Drive
X-263	1	Key, Woodruff, #8
12X-864	1	Lockwasher, Arm. Shaft

Drive End Head Assembly & Parts Used With

GGA-1068	1	Head Assy., Drive End
GAR-178	1	Retainer, Bearing
GAR-179	1	Retainer, Felt Washer
GGA-68	1	Head
GGA-69	1	Retainer, Felt Washer
GJ-147	2	Washer, Felt
12X-196	3	Lockwasher, Retainer Screw #10
X-298	1	BEARING, BALL, S.A.E.#204
8X-311	3	Screw, Retainer, Rd. Hd., #10-32x3/8
X-489	1	Oiler, Press in Type, 1/4

Miscellaneous Parts

GCD-24	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd., #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square, #10-32
		1 2 3 4 5

† BRUSH SET, SERVICE GGJ-2012S

NOTE: CURRENT VOLTAGE REGULATOR is used with but not a part of this Generator.

* See table following parts list for part number applying to assembly wanted.

Assembly No.	Pulley, Drive	Regulator
GGJ-4804A	SP-875	VAV-4401A
GGJ-4804B	SP-882	VAV-4002B

UNIT	APPLICATION
GGJ-4804A	Packard
GGJ-4804B	Studebaker

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GGJ-6001A, B, C, D, E, F, G, H, J, K, L, S, S-1 GENERATOR PARTS LIST GGJ-6001A, B, C, D, E, F, G, H, J, K, L, S, S-1

(Issued 10-15-54)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GGA-20	2	Bolt, Thru
GGA-75‡	1	Bracket, Generator, Mtg.
GGJ-2033	1	Frame & Field Assembly
GAA-32	1	Washer, Ins., Arm. Term.
GBW-34	1	Washer, Ins., Field Term.
GBY-38A	4	Screw, Pole Shoe
GDD-27	1	Bushing, Ins., Field Term.
GDD-28	1	Bushing, Ins., Arm. Term.
GFY-1005	1	COIL ASSEMBLY, FIELD, COMPLETE
GEB-58	1	Stud, Field Term., #10-32
GFY-1007A	1	Coil Assy., Field, Left
GFY-53A	1	Lead Assembly
X-1425	1	Terminal
GGJ-27	1	Stud, Arm. Term., 1/4-28
GFY-1008A	1	Coil, Field, Right
GGA-52	1	Insulation, Term. Stud, Inner
MN-21	2	Pin, Dowel
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-349	1	Washer, Field Term., Plain #10
8X-361	1	Washer, Arm. Term., Plain 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
8X-149‡	2	Nut, Brkt. Sc., Hex. 7/16-14
12X-196	1	Lockwasher, Ground Sc., #10
12X-201	2	Lockwasher, Thru Bolt, 3/8
12X-205‡	2	Lockwasher, Brkt. Sc., 7/16
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16
8X-2960‡	2	Screw, Bracket, Hex. Hd. 7/16-14x1 3/8

Comm. End Head Assembly & Parts Used With

DA-22	1	Washer, Bearing Retaining
DA-60	1	Screw, Bearing Retaining
DB-17	1	Washer, Plain, Felt Retaining
DD-24C	1	Cover, Comm. End
DD-44	1	Gasket, C. E. Cover
GBY-28	1	Washer, Felt
GGJ-2012S	1	BRUSH SET, SERVICE
GGJ-2021AS	1	Head Assy., Comm. End
GBY-25	2	Spring, Brush

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
GCE-54	2	Arm, Brush
8X-119	3	Screw, Cover, Fill. Hd. #10-32x1/2
12X-195	2	Lockwasher, Lead Screw, #8
12X-196	3	Lockwasher, Cover Sc., #10
12X-199	1	Lockwasher, Bearing Retaining Screw, 1/4
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler
X-867	1	BEARING, BALL, SHIELDED, S. A. E. #303

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm. Shaft, D. E.
GGA-70	1	Spacer, Arm. Shaft
GGJ-2101AF	1	ARMATURE
*	1	Pulley, Drive
X-263	1	Key, Woodruff, #8
12X-864	1	Lockwasher, Shaft, D. E.

Drive End Head Assembly & Parts Used With

GGA-1068	1	Head Assy., Drive End
GGA-68	1	Head, Drive End
GGF-9	2	Washer, Felt
GGF-10	1	Retainer, Felt Washer, Outer
GGF-11	1	Gasket
GGF-12	1	Retainer, Felt Washer, Inner
GGF-13	1	Retainer, Bearing
12X-196	3	Lockwasher, Retainer Screw, #10
X-298	1	BEARING, BALL, S. A. E. #204
8X-311	3	Screw, Retainer, Rd. Hd. #10-32x3/8
X-489	1	Oiler

Miscellaneous Parts

GCD-24	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

‡ Used only with GGJ-6001C.

(Continued on Reverse Side)

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GGJ-6001A, B, C, D, E, F, G, H, J, K, L, S, S-1 (Continued)

NOTE: * CURRENT-VOLTAGE REGULATOR
is used with but is not a part of the generator.

* See table following parts lists for part number applying to assembly wanted.

Assembly No.	Pulley	Regulator
GGJ-6001A	SP-903	VBA-4207A
GGJ-6001B	SP-904	VBA-4207A
GGJ-6001C	SP-865	VBA-4205A
GGJ-6001D	SP-939	VBA-4207A
GGJ-6001E	SP-961	VBA-4207A
GGJ-6001F	SP-974	VBF-6001A
GGJ-6001G	SP-975	VBF-6001A
GGJ-6001H	PU-5	
GGJ-6001J	PU-6	
GGJ-6001K	PU-68	VBA-4207A
GGJ-6001L	PU-67	VBA-4207A
GGJ-6001S	None	VBA-4205A (Pos. Grd.)-VBA-4206A (Neg. Grd.)
GGJ-6001S-1	None	

UNIT	APPLICATION
GGJ-6001A, B, F, G	Chrysler Corp
GGJ-6001C	Diamond T
GGJ-6001D, E	Dodge (Truck)
GGJ-6001H, J	Chrysler (8)
GGJ-6001K, L	Dodge (8)
GGJ-6001S	A-L Service
GGJ-6001S-1	Chrysler Service

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GGA-20	2	Bolt, Thru
GGJ-2033	1	Frame & Field Assembly
GAA-32	1	Washer, Ins., Arm. Term.
GBW-34	1	Washer, Ins., Field Term.
GBY-38A	4	Screw, Pole Shoe
GDD-27	1	Bushing, Ins., Field Term.
GDD-28	1	Bushing, Ins., Arm. Term.
GFY-1005	1	COIL ASSY., FIELD COMPLETE
GEB-58	1	Stud, Field Term., #10-32
GFY-1007A	1	Coil Assy., Field, Left
GFY-53A	1	Lead Assembly
X-1425	1	Terminal
GGJ-27	1	Stud, Arm. Term., 1/4-28
GFY-1008A	1	Coil, Field, Right
GGA-52	1	Insulation, Term. Stud, Inner
MN-21	2	Pin, Dowel
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-349	1	Washer, Field Term., Plain #10
8X-361	1	Washer, Arm. Term., Plain 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
12X-196	1	Lockwasher, Ground Sc., #10
12X-201	2	Lockwasher, Thru Bolt, 3/8
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

DA-22	1	Washer, Bearing Retaining
DA-60	1	Screw, Bearing Retaining
DB-17	1	Washer, Plain, Felt Retaining
DD-24C	1	Cover, Comm. End
DD-44	1	Gasket, C. E. Cover
GBY-28	1	Washer, Felt
GGJ-2012S	1	BRUSH SET, SERVICE
GGJ-2021S	1	Head Assembly, Comm. End
GBY-25	2	Spring, Brush
GCE-54	2	Arm, Brush

Comm. End Head Assembly & Parts (Cont.)

Part No.	No. Used	Name of Part
8X-119	3	Screw, Cover, Fill. Head #10-32x1/2
12X-195	2	Lockwasher, Lead Screw, #8
12X-196	3	Lockwasher, Cover Sc., #10
12X-199	1	Lockwasher, Brg. Retaining Sc., 1/4
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler
X-867	1	BEARING, BALL, SHIELDED, S. A. E. #303

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm. Shaft, D. E.
GGA-70	1	Spacer, Arm. Shaft
GGJ-2093F	1	ARMATURE
*	1	Pulley, Drive
X-263	1	Key, Woodruff, #8
12X-864	1	Lockwasher, Shaft, D. E.

Drive End Head Assembly & Parts Used With

GGA-1068	1	Head Assy., Drive End
GGA-68	1	Head, D. E.
GGF-9	2	Washer, Felt
GGF-10	1	Retainer, Felt Washer, Outer
GGF-11	1	Gasket
GGF-12	1	Retainer, Felt Washer, Inner
GGF-13	1	Retainer, Bearing
12X-196	3	Lockwasher, Retainer Screw, #10
X-298	1	BEARING, BALL, S. A. E. #204
8X-311	3	Screw, Retainer, Rd. Hd. #10-32x3/8
X-489	1	Oiler

Miscellaneous Parts

GCD-24	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

NOTE: CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

* See table following parts list for part number applying to assembly wanted.

(Continued on Reverse Side)

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking su -parts the complete part can be assembled as needed."

GGJ-6002A, B, C, D, E, S, S-1 GENERATOR PARTS (Cont.)

Assembly No.	Pulley	Regulator
GGJ-6002A	SP-933	VBA-4205A
GGJ-6002B	SP-938	VBA-4207A
GGJ-6002C	PU-105	VBA-4207A
GGJ-6002D	PU-146	VBA-4207A
GGJ-6002E	PU-149	VBA-4207A
GGJ-6002S	None	VBA-4205A
GGJ-6002S-1	None	VBA-4207A

UNIT	APPLICATION
GGJ-6002A	White
GGJ-6002B, C, E	Dodge (Truck)
GGJ-6002D	
GGJ-6002S	A-L Service
GGJ-6002S-1	Chrysler Service

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GGA-20	2	Bolt, Thru
(GGJ-2033)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term., Outer
GAU-45	1	Insulation, Field Connection
GBW-34	1	Washer, Ins., Field Term., Outer
GBY-38A	4	Screw, Pole Shoe
GDD-27	1	Bushing, Ins., Field Term.
GDD-28	1	Bushing, Ins., Arm. Term.
GFY-1005	1	COIL ASSY., FIELD, COMPLETE
GEB-58	1	Stud, Field Term., #10-32
GFY-1007A	1	Coil Assy., Field, Left
GFY-53A	1	Lead Assembly
X-1425	1	Terminal
GGJ-27	1	Stud, Arm. Term., 1/4-28
GFY-1008A	1	Coil, Field, Right
GGA-52	1	Insulation, Term. Stud,Inner
MN-21	2	Pin, Dowel
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-349	1	Washer, Field Term., Plain #10
8X-361	1	Washer, Arm. Term., Plain 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
12X-196	1	Lockwasher, Ground Sc., #10
12X-201	2	Lockwasher, Thru Bolt, 3/8
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

GGJ-30	1	Gasket, Brg. Retainer
GGJ-1034	1	Retainer Assy., Bearing
GGJ-31	1	Retainer, Felt Washer
GGJ-32	1	Washer, Felt
GGJ-34	1	Retainer, Bearing
GGJ-2079	1	Head Assy., Comm. End
GBY-25	2	Spring, Brush
GCE-54	2	Arm, Brush
GGJ-1012†	2	Brush

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
12X-195	2	Lockwasher, Lead Sc., #8
12X-196	4	Lockwasher, Retainer Sc., #10
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler
X-867	1	BEARING, BALL, SHIELDED, S.A.E. #303
8X-898	4	Screw, Brg. Retainer, Fill. Hd. #10-32x1

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm. Shaft, D.E.
GGA-70	1	Spacer, Arm. Shaft
GGJ-2103F	1	ARMATURE
*	1	Pulley, Drive
X-263	1	Key, Woodruff, #8
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

GGA-1080	1	Head Assy., Drive End
GAR-178	1	Retainer, Bearing
GAR-179	1	Retainer, Felt Washer, Inner
GGA-69	1	Retainer, Felt Washer, Outer
GGA-80	1	Head, Drive End
GJ-147	2	Washer, Felt
12X-196	3	Lockwasher, Retainer Sc.,#10
X-298	1	BEARING, BALL, S.A.E. #204
8X-311	3	Screw, Retainer, Rd. Hd. #10-32x3/8
X-489	1	Oiler

Miscellaneous Parts

GCD-24	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GGJ-2012S.

* See table following parts list for part number applying to assembly wanted.

NOTE: VBA-4202A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

Assembly No.	Pulley
GGJ-6003A	PU-16
GGJ-6003S-1	None

UNIT	APPLICATION
GGJ-6003A	Chrysler (8)
GGJ-6003S-1	Service Gen.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GGJ-6004A,B,C,D, E,F,G,H,S-1 GENERATOR PARTS LIST

GGJ-6004A, B, C, D, E, F, G, H, S-1 (Issued 8-25-53)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GGA-20	2	Bolt, Thru
GGJ-2033	1	Frame & Field Assembly
GAA-32	1	Washer, Ins., Arm. Term.
GBW-34	1	Washer, Ins., Field Term.
GBY-38A	4	Screw, Pole Shoe
GDD-27	1	Bushing, Ins., Field Term.
GDD-28	1	Bushing, Ins., Arm. Term.
GFY-1005	1	COIL ASSY., FIELD COMPLETE
GEB-58	1	Stud, Field Term., #10-32
GFY-1007A	1	Coil Assy., Field, Left
GFY-53A	1	Lead Assembly
X-1425	1	Terminal
GGJ-27	1	Stud, Arm. Term., 1/4-28
GFY-1008A	1	Coil, Field, Right
GGA-52	1	Insulation, Term. Stud, Inner
MN-21	2	Pin, Dowel
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-349	1	Washer, Field Term., Plain #10
8X-361	1	Washer, Arm. Term., Plain 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
12X-196	1	Lockwasher, Ground Screw, #10
12X-201	2	Lockwasher, Thru Bolt, 3/8
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

GGJ-30	1	Gasket, Brg. Retainer
GGJ-1034	1	Retainer Assy., Bearing
GGJ-31	1	Retainer, Felt Washer
GGJ-32	1	Washer, Felt
GGJ-34	1	Retainer, Bearing
GGJ-2012S	1	BRUSH SET, SERVICE
GGJ-2079S	1	Head Assy., Comm. End
GBY-25	2	Spring, Brush
GCE-54	2	Arm, Brush
12X-195	2	Lockwasher, Lead Screw, #8
12X-196	4	Lockwasher, Retainer Screw, #10

Comm. End Head Assembly (Cont.)

Part No.	No. Used	Name of Part
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler
X-867	1	BEARING, BALL SHIELDED, S.A.E. #303
8X-898	4	Screw, Bearing Retainer, Fill. Hd. #10-32x1

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm. Shaft, D.E.
GGA-70	1	Spacer, Arm. Shaft
GGJ-2104F	1	ARMATURE
*	1	Coupling
*	1	Washer, Plain, Coupling Mtg.
*	1	Pulley, Drive
X-263	1	Key, Woodruff, #8
12X-864	1	Lockwasher, Shaft, D.E.
*	1	Screw, Coupling Mtg., Rd. Hd. 1/4-20x1/2

Drive End Head Assembly & Parts Used With

GGA-1080	1	Head Assembly, Drive End
GGA-80	1	Head, Drive End
GGF-9	2	Washer, Felt
GGF-10	1	Retainer, Felt Washer, Outer
GGF-11	1	Gasket
GGF-12	1	Retainer, Felt Washer, Inner
GGF-13	1	Retainer, Bearing
12X-196	3	Lockwasher, Retainer Sc., #10
X-298	1	BEARING, BALL, S.A.E. #204
8X-311	3	Screw, Retainer, Rd. Hd. #10-32x3/8
X-489	1	Oiler

Miscellaneous Parts

GCD-24	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

NOTE: VBF-6001A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

(Continued on Reverse Side)

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GGJ-6004A, B, C, D, E, F, G, H, S1 **GENERATOR PARTS (Cont.)**

* See table following parts list for part number applying to assembly wanted.

Assembly No.	Coupling	Washer	Pulley	Screw
GGJ-6004A	GGW-34	GGW-71	PU-16	X-3187
GGJ-6004B	GGW-34	GGW-71	PU-65	X-3187
GGJ-6004C	GGW-34	GGW-71	PU-68	X-3187
GGJ-6004D	GGW-34	GGW-71	PU-67	X-3187
GGJ-6004E	None	None	SP-974	None
GGJ-6004F	None	None	SP-975	None
GGJ-6004G	None	None	PU-5	None
GGJ-6004H	GGW-34	GGW-71	SP-961	X-3187
GGJ-6004-S1	None	None	None	None

UNIT	APPLICATION
GGJ-6004A	Chrysler (6&8)
GGJ-6004B	Chrysler (8)
GGJ-6004C, D, E, F, G	Chrys. (8), De Soto (8)
GGJ-6004H	Dodge (Truck)
GGJ-6004-S1	Service Generator

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ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GGA-20	2	Bolt, Thru
GGJ-2033	1	Frame & Field Assembly
GAA-32	1	Washer, Ins., Arm. Term.
GBW-34	1	Washer, Ins., Field Term.
GBY-38A	4	Screw, Pole Shoe
GDD-27	1	Bushing, Ins., Field Term.
GDD-28	1	Bushing, Ins., Arm. Term.
GFY-1005	1	COIL ASSEMBLY, FIELD, COMPLETE
GEB-58	1	Stud, Field Term., #10-32
GFY-1007A	1	Coil Assy., Field Left
GFY-53A	1	Lead Assembly
X-1425	1	Terminal
GGJ-27	1	Stud, Arm. Term., 1/4-28
GFY-1008A	1	Coil, Field, Right
GGA-52	1	Insulation, Term. Stud, Inner
MN-21	2	Pin, Dowel
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-349	1	Washer, Plain, Field Term. #10
8X-361	1	Washer, Plain, Arm. Term., 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
12X-196	1	Lockwasher, Grd. Screw #10
12X-201	2	Lockwasher, Thru Bolt, 5/8
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

DA-22	1	Washer, Bearing Retaining
DA-60	1	Screw, Bearing Retaining
DB-17	1	Washer, Plain, Felt Retaining
DD-24C	1	Cover, Comm. End
DD-44	1	Gasket, C. E. Cover
GBY-28	1	Washer, Felt
GGJ-2012S	1	BRUSH SET, SERVICE
GGJ-2021AS	1	Head Assembly, Comm. End
GBY-25	2	Spring, Brush
GCE-54	2	Arm, Brush
8X-119	3	Screw, Cover, Fill. Hd. #10-32x1/2

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
12X-195	2	Lockwasher, Lead Sc., #8
12X-196	3	Lockwasher, Cover Sc., #10
12X-199	1	Lockwasher, Brg. Retaining Screw, 1/4
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler
X-867	1	BEARING, BALL, SHIELDED, S. A. E. #303

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm. Shaft, D. E.
GGA-70	1	Spacer, Arm. Shaft
GGJ-2101AF	1	ARMATURE
*	1	Pulley, Drive
X-263	1	Key, Woodruff, #8
12X-864	1	Lockwasher, Shaft, D. E.

Drive End Head Assembly & Parts Used With

GGA-1084	1	Head Assembly, Drive End
GGA-84	1	Head, Drive End
GGF-9	2	Washer, Felt
GGF-10	1	Retainer, Felt Washer, Outer
GGF-11	1	Gasket
GGF-12	1	Retainer, Felt Washer, Inner
GGF-13	1	Retainer, Bearing
12X-196	3	Lockwasher, Retainer Screw, #10
X-298	1	BEARING, BALL, S. A. E. #204
8X-311	3	Screw, Retainer, Rd. Hd. #10-32x3/8
X-489	1	Oiler

Miscellaneous Parts

GCD-24	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

* See table following parts list for part number applying to assembly wanted.

NOTE: VBF-6001A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

(Continued on Reverse Side)

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GGJ-6005A, B, C, D, S1 GENERATOR PARTS LIST (Continued)

Assembly No.	Pulley
GGJ-6005A	SP-974
GGJ-6005B	PU-5
GGJ-6005C	PU-104
GGJ-6005D	PU-6
GGJ-6005-S1	None

UNIT	APPLICATION
GGJ-6005A, B, D	Dodge (8)
GGJ-6005C	Dodge (Truck)
GGJ-6005-S1	Service Generator

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ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GGJ-6008A, B, C, S1 GENERATOR PARTS LIST

GGJ-6008A, B, C, S1
(Issued 6-22-56)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GGA-20	2	Bolt, Thru
GGJ-2033	1	Frame & Field Assembly
GAA-32	1	Washer, Ins., Arm. Term.
GBW-34	1	Washer, Ins., Field Term.
GBY-38A	4	Screw, Pole Shoe
GDD-27	1	Bushing, Ins., Field Term.
GDD-28	1	Bushing, Ins., Arm. Term.
GFY-1005	1	COIL ASSEMBLY, FIELD, COMPLETE
GEB-58	1	Stud, Field Term., 10-32
GFY-1007A	1	Coil Assy., Field, Left
GFY-53A	1	Lead Assembly
X-1425	1	Terminal
GGJ-27	1	Stud, Arm. Term., 1/4-28
GFY-1008A	1	Coil, Field, Right
GGA-52	1	Insulation, Term. Stud, Inner
MN-21	2	Pin, Dowel
12X-196	2	Lockwasher, Field Term., 10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-349	1	Washer, Plain, Field Term., 10
8X-361	1	Washer, Plain, Arm. Term., 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. 10-32
12X-196	1	Lockwasher, Grd. Screw, 10
12X-201	2	Lockwasher, Thru Bolt, 3/8
8X-321	1	Screw, Ground, Rd. Hd. 10-32x5/16

Comm. End Head Assembly & Parts Used With

DA-39	1	Washer, Plain, Felt Retaining
DA-132	1	Washer, Felt
GGJ-2012S	1	BRUSH SET, SERVICE
GGJ-2102S	1	Head Assy., Comm. End
GBY-25	2	Spring, Brush
GCE-54	2	Arm, Brush
GGW-93	1	Retainer, Outer
12X-195	2	Lockwasher, Lead Screw, 8
X-295	1	BEARING, BALL, S. A. E. 203
8X-305	2	Screw, Brush Lead, Rd. Hd. 8-32x1/4
X-489	1	Oiler

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GBM-21B	1	Nut, Arm. Shaft, D. E.
GGA-70	1	Spacer, Arm. Shaft
GGJ-2107F	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GR-32	1	Retainer, Felt Washer
*	1	Pulley, Drive
X-263	1	Key, Woodruff, 8
12X-864	1	Lockwasher, Shaft, D. E.

Drive End Head Assembly & Parts Used With

GGA-1080	1	Head Assy., Drive End
GGA-80	1	Head, Drive End
GGF-9	2	Washer, Felt
GGF-10	1	Retainer, Felt Washer, Outer
GGF-11	1	Gasket
GGF-12	1	Retainer, Felt, Washer, Inner
GGF-13	1	Retainer, Bearing
12X-196	3	Lockwasher, Retainer Sc., 10
X-298	1	BEARING, BALL, S. A. E. 204
8X-311	3	Screw, Retainer, Rd. Hd. 10-32x3/8
X-489	1	Oiler

Miscellaneous Parts

GCD-24	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. 10-32x1 1/2
8X-794	1	Nut, Cover Band, Square 10-32

NOTE: * CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

* See table following parts list for part number applying to assembly wanted.

Assembly No.	Pulley	Regulator
GGJ-6008A	PU-67	VBF-6001A
GGJ-6008B	SP-974	VBF-6001A
GGJ-6008C	SP-903	VBA-4205A
GGJ-6008-S1	None	VBF-6001A

UNIT	APPLICATION
GGJ-6008A	Chrysler
GGJ-6008B	DeSoto
GGJ-6008C	Checker Cab
GGJ-6008-S1	Chrys. Service

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GGA-20	2	Bolt, Thru
GGA-75‡	1	Bracket, Generator Mtg.
GGJ-2033	1	Frame & Field Assembly
GAA-32	1	Washer, Ins., Arm. Term., Outer
GBW-34	1	Washer, Ins., Field Term., Outer
GBY-38A	4	Screw, Pole Shoe
GDD-27	1	Bushing, Ins., Field Term.
GDD-28	1	Bushing, Ins., Arm. Term.
GFY-1005	1	COIL ASSEMBLY, FIELD, COMPLETE
GEB-58	1	Stud, Field Term., #10-32
GFY-1007A	1	Coil Assy., Field, Left
GFY-53A	1	Lead Assembly
X-1425	1	Terminal
GGJ-27	1	Stud, Arm. Term., 1/4-28
GFY-1008A	1	Coil, Field, Right
GGA-52	1	Insulation, Term. Stud, Inner
MN-21	2	Pin, Dowel
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-349	1	Washer, Field Term., Plain #10
8X-361	1	Washer, Arm. Term., Plain 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
8X-149‡	2	Nut, Brkt. Sc., Hex. 7/16-14
12X-196	1	Lockwasher, Ground Screw, #10
12X-201	2	Lockwasher, Thru Bolt, 3/8
12X-205‡	2	Lockwasher, Brkt. Screw 7/16
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16
8X-2960‡	2	Screw, Bracket, Hex. Hd. 7/16-14x1 3/8

Comm. End Head Assembly & Parts Used With

DA-22	1	Washer, Bearing Retaining
DA-60	1	Screw, Bearing Retaining
DB-17	1	Washer, Plain, Felt Retaining
DD-24C	1	Cover, Comm. End
DD-44	1	Gasket, C.E. Cover
GBY-28	1	Washer, Felt
GCD-2012S	1	BRUSH SET, SERVICE

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
GGJ-2021S	1	Head Assy., Comm. End
GBY-25	2	Spring, Brush
GCE-54	2	Arm, Brush
8X-119	3	Screw, Cover, Fill. Hd. #10-32x1/2
12X-195	2	Lockwasher, Lead Screw, #8
12X-196	3	Lockwasher, Cover Screw, #10
12X-199	1	Lockwasher, Bearing Retaining Screw, 1/4
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler
X-867	1	BEARING, BALL, SHIELDED, S.A.E. #303

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm. Shaft, D.E.
GGA-70	1	Spacer, Arm. Shaft
GGJ-2101AF	1	ARMATURE
*	1	Pulley, Drive
X-263	1	Key, Woodruff, #8
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

GGA-1068	1	Head Assy., Drive End
GGA-68	1	Head, Drive End
GGF-9	2	Washer, Felt
GGF-10	1	Retainer, Felt Washer, Outer
GGF-11	1	Gasket
GGF-12	1	Retainer, Felt Washer, Inner
GGF-13	1	Retainer, Bearing
12X-196	3	Lockwasher, Retainer Screw, #10
X-298	1	BEARING, BALL, S.A.E. #204
8X-311	3	Screw, Retainer, Rd. Hd. #10-32x3/8
X-489	1	Oiler

Miscellaneous Parts

GCD-24	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

(Continued on Reverse Side)

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GGJ-6101A, C, D, E, F, S GENERATOR PARTS LIST (Continued)

‡ Used only with GGJ-6101C.

NOTE: * CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

* See table following parts list for part number applying to assembly wanted.

Assembly	Pulley	Regulator
GGJ-6101A	SP-903	VBA-4205A
GGJ-6101C	SP-865	VBA-4205A
GGJ-6101D	PU-70	VBF-6003A
GGJ-6101E	PU-112	VBF-6003A
GGJ-6101F	PU-162	VBF-6003A
GGJ-6101S	None	

UNIT	APPLICATION
GGJ-6101A	Checker Cab
GGJ-6101C	Diamond T
GGJ-6101D, E	Hudson (Police)
GGJ-6101F	Ford (Taxi)
GGJ-6101S	Service Gen.

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File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GGJ-6103A, S GENERATOR PARTS LIST

GGJ-6103A, S
(Issued 6-28-55)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GGA-20	2	Bolt, Thru
GGJ-2033	1	Frame & Field Assembly
GAA-32	1	Washer, Ins., Arm. Term.
GBW-34	1	Washer, Ins., Field Term.
GBY-38A	4	Screw, Pole Shoe
GDD-27	1	Bushing, Ins., Field Term.
GDD-28	1	Bushing, Ins., Arm. Term.
GFY-1005	1	COIL ASSEMBLY, FIELD, COMPLETE
GEB-58	1	Stud, Field Term., #10-32
GFY-1007A	1	Coil Assy., Field, Left
GFY-53A	1	Lead Assembly
X-1425	1	Terminal
GGJ-27	1	Stud, Arm. Term., 1/4-28
GFY-1008A	1	Coil, Field, Right
GGA-52	1	Insulation, Term. Stud, Inner
MN-21	2	Pin, Dowel
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-349	1	Washer, Field Term., Plain #10
8X-361	1	Washer, Arm. Term., Plain 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
12X-196	1	Lockwasher, Ground Screw, #10
12X-201	2	Lockwasher, Thru Bolt, 3/8
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

DA-22	1	Washer, Bearing Retaining
DA-60	1	Screw, Bearing Retaining
DB-17	1	Washer, Plain, Felt Retaining
DD-24C	1	Cover, Comm. End
DD-44	1	Gasket, C. E. Cover
GBY-28	1	Washer, Felt
GCD-2012S	1	BRUSH SET, SERVICE
GGJ-2082S	1	Head Assy., Comm. End
GBY-25	2	Spring, Brush
GCE-54	2	Arm, Brush
8X-119	3	Screw, Cover, Fill. Hd. #10-32x1/2
12X-195	2	Lockwasher, Lead Screw, #8
12X-196	3	Lockwasher, Cover Screw, #10
12X-199	1	Lockwasher, Brg. Retaining Screw, 1/4

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler
X-867	1	BEARING, BALL, SHIELDED, S. A. E. #303

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm. Shaft, D. E.
GGA-70	1	Spacer, Armature Shaft
GGJ-2101AF	1	ARMATURE
*	1	Pulley, Drive
X-263	1	Key, Woodruff, #8
12X-864	1	Lockwasher, Shaft, D. E.

Drive End Head Assembly & Parts Used With

GGA-1081	1	Head Assy., Drive End
GGA-81	1	Head, Drive End
GGF-9	2	Washer, Felt
GGF-10	1	Retainer, Felt Washer, Outer
GGF-11	1	Gasket, Brg. Retainer
GGF-12	1	Retainer, Felt Washer, Inner
GGF-13	1	Retainer, Bearing
12X-196	3	Lockwasher, Retainer Screw, #10
X-298	1	BEARING, BALL, S. A. E. #204
8X-311	3	Screw, Brg. Retainer, Rd. Hd. #10-32x3/8
X-489	1	Oiler

Miscellaneous Parts

GCD-24	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square, #10-32

NOTE: VBF-6003A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

* See table following parts list for part number applying to assembly wanted.

Assembly No.	Pulley
GGJ-6103A	PU-170
GGJ-6103S	None

UNIT	APPLICATION
GGJ-6103A GGJ-6103S	Ford 8, Mercury Service

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File in
Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GGK-4501 GENERATOR PARTS LIST GGK-4501

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
DK-23	2	Bolt, Thru
(GGK-2001)	1	Frame & Field Assy.
GAA-30	1	Insulation, Term. Stud, Inner
GAA-32	1	Washer, Ins., Term. Stud, Outer
GAL-44	1	Insulation, Field Connection
GBY-38A	2	Screw, Pole Shoe
GCT-25	1	Bushing, Ins., Term. Stud
GDU-31	1	Lead Assembly
GAA-27	1	Stud, Arm. Term. #14-24
X-946	1	Terminal
GGK-1005	1	COIL ASSY., FIELD, COMPLETE
GGK-1007	1	Coil Assy., Field, Left
X-947	1	Terminal
GGK-1008	1	Coil Assy., Field, Right
X-959	1	Terminal
MN-21	2	Pin, Dowel
8X-140	1	Nut, Field Ground, Hex. #6-32
8X-177	2	Nut, Term. Stud, Hex. #14-24
12X-193	2	Lockwasher, Term. Stud, #14
12X-194	1	Lockwasher, Ground Sc., #6
8X-361	1	Washer, Plain, Term. Stud, 1/4
8X-1008	1	Screw, Field Ground, Rd. Hd. #6-32x9/16
12X-196	1	Lockwasher, Ground Screw, #10
12X-200	2	Lockwasher, Thru Bolt, 5/16
8X-321	1	Screw, Ground,Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

GFG-2033	1	Head Assy., Comm. End
GAL-12 †	2	Brush, Main
GAL-199	2	Block, Brush Screw
GAL-205	2	Spring, Retaining, 3rd Brush Plate
GAL-242	2	Holder, Brush
GCX-19	2	Spring, Brush
GCX-2037A	1	Plate Assy., 3rd Brush
GAL-199	1	Block, Brush Screw
GAL-242	1	Holder, Brush
GAR-13 †	1	Brush, Third
GCX-19	1	Spring, Brush
GCX-1037	1	Plate, 3rd Brush
8X-59	1	Screw, Rd. Hd. #8-32x3/16
X-1276	1	Washer, Skpf. #8
8X-1505	1	Screw, Bdg. Hd. #8-32x9/16

Comm. End Head Assy. (Continued)

Part No.	No. Used	Name of Part
GDU-30	1	Lead Assembly
X-958	2	Terminal
GET-1033	1	Head, Comm. End
8X-59	2	Screw, Brush Lead, Rd. Hd. #8-32x3/16
8X-63	2	Screw, Brush Plate, Flat Hd. #8-32x3/8
X-195	2	Lockwasher, Ground Lead Sc., #8
8X-304	1	Screw, Ground Lead, Rd. Hd. #8-32x5/16
X-1276	1	Washer, Br. Lead Sc., Skpf. #8
8X-1505	2	Screw, Brush, Bdg. Hd. #8-32x9/16
X-1498	1	BEARING, BALL

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm. Shaft, D.E.
GCX-23	1	Spacer, Armature Shaft
GGK-2006	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
X-260	1	Key, Woodruff, #5
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

GET-1034	1	Head Assy., Drive End
GET-34	1	Head, Drive End
GG-6	2	Retainer, Bearing
8X-173	3	Nut, Brg. Retainer, Hex. #10-32
12X-196	3	Lockwasher, Retainer Sc., #10
8X-316	3	Screw, Brg. Retainer, Rd. Hd. #10-32x3/4
X-1499	1	BEARING, BALL, SEALED, S.A.E. #203

Miscellaneous Parts

GET-24A	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GAL-2012A.

NOTE: - CBK-4001 CUTOUT RELAY is used with but is not a part of this generator.

UNIT	APPLICATION
GGK-4501	Parris Dunn

(Issued 6-29-49)

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GGL-4501 GENERATOR PARTS LIST

GGL-4501
(Issued 10-9-50)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
DK-23C	2	Bolt, Thru
(GGL-2001)	1	Frame & Field Assy.
GAA-30	1	Insulation, Arm. Term., Inner
GAA-32	1	Washer, Ins., Arm. Term., Outer
GBY-38A	2	Screw, Pole Shoe
GCT-25	1	Bushing, Ins., Arm. Term.
GDU-31	1	Lead Assembly
GAA-27	1	Stud, Arm. Term., #14-24
X-946	1	Terminal
GGL-1005	1	COIL ASSY., FIELD, COMPLETE
GGL-1007	1	Coil Assy., Field, Right
X-947	1	Terminal
GGL-1008	1	Coil Assy., Field, Left
X-959	1	Terminal
MN-21	2	Pin, Dowel
8X-140	1	Nut, Ground Sc., Hex. #6-32
8X-177	2	Nut, Arm. Term., Hex. #14-24
12X-193	2	Lockwasher, Arm. Term., #14
12X-194	1	Lockwasher, Ground Sc., #6
8X-361	1	Washer, Arm. Term., Plain 1/4
8X-1008	1	Screw, Field Ground, Rd. Hd. #6-32x9/16
12X-196	1	Lockwasher, Ground Sc., #10
12X-200	2	Lockwasher, Thru Bolt, 5/16
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

GET-2033	1	Head Assy., Comm. End
GAL-199	2	Block, Brush Screw
GAL-205	2	Spring, Retaining, 3rd Brush Plate
GAL-242	2	Holder, Brush
GCX-19	2	Spring, Brush
GDU-30	1	Lead Assembly
X-958	2	Terminal
GED-12†	2	Brush, Main
GET-1033	1	Head, Comm. End
GET-2037	1	Plate Assy., Third Brush
GAL-199	1	Block, Brush Screw
GAL-242	1	Holder, Brush
GCX-19	1	Spring, Brush
GCX-1037	1	Plate, 3rd. Brush
GED-13†	1	Brush, Third
8X-59	1	Screw, Brush Lead, Rd. Hd. #8-32x3/16

Comm. End Head Assy. (Continued)

Part No.	No. Used	Name of Part
X-1276	1	Washer, Lead Sc., Skpf. #8
8X-1505	1	Screw, Brush, Bdg. Hd. #8-32x9/16
8X-59	2	Screw, Brush Lead, Rd. Hd. #8-32x3/16
8X-63	2	Screw, Plate Retaining, Flat Hd. #8-32x3/8
X-195	2	Lockwasher, Grd. Lead Sc., #8
8X-304	1	Screw, Grd. Lead, Rd. Hd. #8-32x5/16
X-1276	1	Washer, Brush Lead Sc., Skpf. #8
8X-1505	2	Screw, Brush, Bdg. Hd. #8-32x9/16
X-1498	1	BEARING, BALL

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm. Shaft, D.E.
GCX-23	1	Spacer, Arm. Shaft
GGL-2006	1	ARMATURE ASSY.
GAR-171	1	Snap Ring
X-260	1	Key, Woodruff, #5
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

GET-1034	1	Head Assy., Drive End
GET-34	1	Head, Drive End
GG-6	2	Retainer, Bearing
8X-173	3	Nut, Brg. Retainer, Hex. #10-32
12X-196	3	Lockwasher, Retainer Sc., #10
8X-316	3	Screw, Brg. Retainer, Rd. Hd. #10-32x3/4
X-1499	1	BEARING, BALL, SEALED, S.A.E. #203

Miscellaneous Parts

GET-24A	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GED-1012S.

NOTE: CBO-4001 CUTOUT RELAY is used with but is not a part of this generator.

UNIT	APPLICATION
GGL-4501	Parris-Dunn

Printed in U. S. A.

File in
Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GFE-2033)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GFE-36	1	Lead Assembly
X-767	1	Terminal
X-976	1	Terminal
GFE-37	2	Bushing, Lead Insulating
GFE-2005A	1	COIL ASSY., FIELD, COMPLETE
GFE-1007A	1	Coil, Field, Left
X-767	1	Terminal
GFE-1008A	1	Coil, Field, Right
X-959	1	Terminal
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
8X-140	1	Nut, Ground Sc., Hex. #6-32
12X-194	1	Lockwasher, Ground Sc., #6
8X-1420	1	Screw, Field Ground, Flat Hd. #6-32x9/16
MW-20A	2	Bolt, Thru
12X-196	1	Lockwasher, Ground Screw, #10
12X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

GFE-2103	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBM-126	1	Packing
GBM-1012†	2	Brush, Main
GBW-30E	1	Cover, Comm. End
GBW-69	1	Gasket, C.E. Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GFE-1103A	1	Head Assy., Partial, C.E.
GAR-219	2	Arm, Brush
GAR-221	2	Spring, Brush
GBF-79	1	BEARING, ABS. BRONZE
12X-195	4	Lockwasher, Cover Sc., #8
X-489	1	Oiler
8X-888	4	Screw, Cover, Fill. Hd. #8-32x5/16
12X-195	2	Lockwasher, Brush Lead Sc., #8
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GBM-21B	1	Nut, Arm. Shaft, D.E.
GGM-2089F	1	ARMATURE ASSY.
GAR-171	1	Snap Ring
GJ-104	1	Spacer, Arm. Shaft
GR-32	1	Retainer, Felt Washer
SP-839	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

GAM-1110S	1	Head Assy., Drive End
GAM-34A	1	Retainer, Felt Washer, Outer
GAM-110A	1	Head, Drive End
GAR-63	1	Retainer, Felt Washer, Inner
GAR-64	1	Retainer, Bearing
GG-164	2	Washer, Felt
12X-196	3	Lockwasher, Retainer Sc., #10
8X-311	3	Screw, Retainer, Rd. Hd. #10-32x3/8
X-441	1	BEARING, BALL, S.A.E. #203
X-489	1	Oiler

Miscellaneous Parts

GBF-143	1	Lead Assy., Ground
X-755	2	Terminal
GBM-1024C	1	Band, Cover
VAA-4101	1	VOLTAGE REGULATOR
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32
X-879	3	Screw, Reg. Mtg., Fill. Hd. 1/4-20x5/8
X-1272	3	Washer, Mtg. Sc., Skpf. 1/4

† BRUSH SET, SERVICE GBM-1012S.

UNIT	APPLICATION
GGM-4801A	Cletrac (Tractor)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GCD-20A	2	Bolt, Thru
(GGA-3036)	1	Frame & Field Assy.
GAA-32	1	Washer, Arm. Term. Ins. Outer
GBW-34	1	Washer, Field Term. Ins. Outer
GBY-38A	4	Screw, Pole Shoe
GDD-27	1	Bushing, Field Term. Ins.
GDD-28	1	Bushing, Arm. Term. Ins.
GGA-52	1	Insulation, Term. Stud Inner
GGA-2005	1	Coil Assy., Field Complete
GGA-1007B	1	Coil Assy., Field Left
GEB-58	1	Stud, Field Terminal
GGA-1008B	1	Coil Assy., Field Right
GEB-27	1	Stud, Terminal
X-1425	1	Terminal
SS-179	1	Insulating Tube
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term. Hex. #14-24
12X-193	2	Lockwasher, Arm. Term. #14
12X-196	2	Lockwasher, Field Term. #10
8X-349	1	Washer, Field Term. Plain #10
8X-361	1	Washer, Arm. Term. Plain 1/4
8X-1377	2	Nut, Field Term. Hex. #10-32
8X-159	2	Nut Thru Bolt, Hex. 3/8-24
12X-196	1	Lockwasher, Ground Screw, #10
12X-201	2	Lockwasher, Thru Bolt, 3/8
8X-321	1	Screw, Ground, Rd. Hd. #10-32x 5/16

Comm. End Head Assembly & Parts Used With

DB-17	2	Washer, Plain, Felt Retaining
DD-44	1	Gasket, C.E. Cover
GBY-28	1	Washer, Felt
GCD-27A	1	Cover, Comm. End
GCD-28	1	Washer, Felt
GGA-3035	1	Head Assy. Comm. End
GBY-25	2	Spring, Brush
GBY-34	2	Arm, Brush
GBY-1012†	2	Brush
12X-195	2	Lockwasher, Brush Lead Sc., #8
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler, Hinge Top. Press in, 1/4
8X-726	3	Screw, C.E. Cover, Bdg. Hd. #10-32x7/16
X-867	1	Bearing. Ball, Shielded, S.A.E. #303
X-1270	3	Washer, C.E. Cover, Skpf. #10
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
GAE-46	1	Spacer, Armature Shaft
GBM-21	1	Nut, Armature Shaft
GGO-2096F	1	Armature
SP-817	1	Fan, Ventilating
X-157	1	Nut, Shaft, D.E., Slotted 1/2-20
X-260	1	Key, Woodruff, C.E., #5
X-263	1	Key, Woodruff, D.E., #8
X-358	1	Washer, Shaft, Plain 1/2
X-404	1	Pin Cotter, 3/32x1
12X-864	1	Lockwasher, Shaft

Drive End Head Assembly & Parts Used With

GGA-1037	1	Head Assy., Drive End
GFM-4B	4	Screw, Bearing Retainer Fil. Hd. #10-32x1/2
GGA-37	1	Head, Drive End
GGA-39	1	Washer, Felt
GGA-40	1	Retainer, Felt Washer
GGA-42	1	Retainer, Bearing
X-2926	1	Bearing, Ball S.A.E. #304

Miscellaneous Parts

GCD-24B	1	Band, Cover
8X-715	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/4
8X-794	1	Nut, Cover Band, Square #10-32
		1 2 3 4 5

† Brush Set, Service GCD-2012S.

NOTE:- VRS-4005C Current-Voltage Regulator is used with but is not a part of this generator.

UNIT	APPLICATION
GGO-4801	Autocar

(Issued 10-9-46)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GDS-2001)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GBW-34	1	Washer, Ins., Field Term. Outer
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Field Term.
GDS-30	1	Lead Assy.
GAA-27	1	Stud, Arm. Term., #14-24
X-1611	1	Terminal
GDS-1005A	1	COIL ASSY., FIELD COMP.
GBW-58	1	Post, Field Term., #10-32
GDS-1007	1	Coil Assy., Field, Left
X-847	1	Terminal
GDS-1008A	1	Coil, Field, Right
GDW-44	1	Washer, Ins., Arm. Term. Outer
GEA-34	1	Insulation, Term. Post, Inner
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term., Hex., #14-24
X-193	2	Lockwasher, Arm. Term., #14
X-196	2	Lockwasher, Field Term. #10
8X-349	1	Washer, Plain, Field Term., #10
8X-361	1	Washer, Plain, Arm. Term. 1/4
8X-1377	2	Nut, Field Term., Hex., #10-32
GY-20	2	Bolt, Thru
12X-196	1	Lockwasher, Ground Sc., #10
12X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground Rd. Hd. #10-32x 5/16

Comm. End Head Assembly & Parts Used With

GBW-2086	1	Head Assy., Comm. End
GAR-73	1	Wick, Oil
GAR-98A	1	Cover, Wick
GBW-30E	1	Cover, Comm. End
GBW-69	1	Gasket, C.E. Cover
GBW-72	1	Oil, Guard
GBW-73	1	Gasket, Oil Guard
GBW-1012A†	2	Brush
GBW-1086A	1	Head Assy., Partial C.E.
GBF-79	1	BEARING, ABS. BRONZE
GBW-45	2	Spring, Brush
GCJ-26	2	Arm, Brush
GDJ-118	1	Wick, Felt
12X-195	4	Lockwasher, Cover Sc., #8
X-489	1	Oiler, Press in Type
8X-888	4	Screw, Cover, Fil. Hd., #8-32x5/16
12X-195	2	Lockwasher, Brush Lead Sc., #8
		1 2 3 4 5

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Shaft, Hex., .669-20
GCJ-2006F	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GJ-104A	1	Spacer, Arm. Shaft
GR-32	1	Retainer, Felt Washer
*	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
12X-864	1	Lockwasher, Shaft

Drive End Head Assembly & Parts Used With

GAR-1231A	1	Head Assy., Drive End
GAM-34	1	Retainer, Felt Washer, Outer
GAR-63	1	Retainer, Felt Washer, Inner
GAR-64	1	Retainer, Bearing
GAR-231A	1	Head
GDJ-118	1	Oil Wick
GG-164	2	Washer, Felt
12X-196	3	Lockwasher, Retainer Sc. #10
8X-311	3	Screw, Retainer, Rd. Hd., #10-32x3/8
X-441	1	BEARING, BALL
X-489	1	Oiler, Press in Type, 1/4

Miscellaneous Parts

GBW-1024R	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32
		1 2 3 4 5

Assembly No.	Pulley Drive
GGP-4801A	SP-850
GGP-4801B	SP-835A

* See table following parts list for part number applying to assembly wanted.

NOTE:- VRW-5005B Current-Voltage Regulator is used with but is not a part of this generator.

† BRUSH SET, SERVICE GBW-2012AS.

Unit	Application
GGP-4801A GGP-4801B	Massey Harris Continental

(Issued 1-30-47)

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GGR-2001)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GAM-1005L	1	COIL ASSY., FIELD, COMPLETE
GAM-1007E	1	Coil Assy., Field, Left
GAL-289	1	Lead Assembly
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal, Field
GAM-1008B	1	Coil, Field, Right
GCE-27	1	Stud, Term. #10-32
GBF-55	1	Washer, Ins., Term. Stud, Outer
GBW-67	1	Insulation, Square, Term. Stud, Inner
GCY-25	1	Bushing, Ins., Term. Stud
GFE-37	1	Bushing, Lead Insulating
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
12X-196	2	Lockwasher, Term. Stud, #10
8X-349	1	Washer, Plain, Term. Stud, #10
8X-1377	2	Nut, Term. Stud, Hex. #10-32
MW-20A	2	Bolt, Thru
12X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

GGR-2002	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GAR-1014A	1	Plate, 3rd Brush
GBM-126	1	Packing
GBM-1012A†	2	Brush, Main
GBM-1013†	1	Brush, Third
GBW-30E	1	Cover, Comm. End
GBW-69	1	Gasket, Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Retaining
GCJ-51	1	Spring, Retaining, 3rd brush Plate
GGR-1002A	1	Head Assy., Partial, C.E.
GAR-219	1	Arm, Brush
GAR-221	1	Spring, Brush
GBF-79	1	BEARING, ABS. BRONZE
GBM-1071R	1	Holder Assy., Main Brush
GAR-219	1	Arm, Brush
GAR-221	1	Spring, Brush
12X-195	2	Lockwasher, Brush Holder Sc., #8
8X-304	2	Screw, Br. Holder Rd. Hd. #8-32x5/16
12X-195	4	Lockwasher, Cover Sc. #8
8X-311	1	Screw, Plate Retaining Rd. Hd. #10-32x3/8

Comm. End Head Assy. & Parts (Continued)

Part No.	No. Used	Name of Part
8X-888	4	Screw, Cover, Fill. Hd. #8-32x5/16
X-2961	1	Oiler
12X-195	3	Lockwasher, Brush Lead Sc., #8
8X-305	3	Screw, Brush Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm. Shaft, D.E.
GGR-2065	1	ARMATURE ASSY.
GAR-171	1	Snap Ring
GR-32	1	Retainer, Felt Washer
SP-495	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

GGR-1003	1	Head Assy., Drive End
GBM-124	1	Gasket, Bearing Retainer
GBM-125	1	Retainer, Felt Washer, Inner
GBM-127	1	Retainer, Bearing
GBM-128	1	Retainer, Felt Washer, Outer
GG-164A	2	Washer, Felt
GGR-3	1	Head, Drive End
12X-196	3	Lockwasher, Retainer Sc., #10
8X-311	3	Screw, Retainer, Rd. Hd. #10-32x3/8
X-441	1	BEARING, BALL, S.A.E. #203
X-2961	1	Oiler

Miscellaneous Parts

CB-4012A	1	RELAY ASSY., CUTOUT
CB-123	1	Spring, Armature
CB-160S	1	Cover
TC-128	1	Gasket, Cover
PX-55	1	Screw, Arm. Term., Bdg. Hd. #10- 32x3/16
X-196	2	Lockwasher, Term. Sc., #10
8X-312	1	Screw, Bat. Term., Rd. Hd. #10-32x1/4
GAL-1024F	1	Band, Cover
12X-196	2	Lockwasher, Relay Mtg. Sc., #10
8X-321	1	Screw, Relay Mtg., Rd. Hd. #10-32x5/16
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GBM-2012CS.

UNIT	APPLICATION
GGR-4801A	Allis Chalmers

(Issued 4-4-49)

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
(GEF-2001)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term., Outer
GAL-44	1	Insulation, Field Connection
GBW-34	1	Washer, Ins., Field Term., Outer
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Field Term.
GEA-34	1	Insulation, Term. Post, Inner
GEF-1005	1	Coil Assy., Field, Comp.
GBW-58	1	Stud, Field Term., #10-32
GEA-27	1	Stud, Arm. Term., #14-24
GEA-30A	1	Lead Assy.
X-847	1	Terminal
GEF-1007	1	Coil, Left
GEF-1008	1	Coil, Right
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term., Hex., #14-24
12X-193	2	Lockwasher, Arm. Term., #14
12X-196	2	Lockwasher, Field Term., #10
8X-349	1	Washer, Plain, Field Term., #10
8X-361	1	Washer, Plain, Arm. Term. 1/4
8X-1377	2	Nut, Field Term., Hex., #10-32
GY-20	2	Bolt, Thru
12X-196	1	Lockwasher, Ground Sc., #10
12X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. Hd. #10-32x 5/16

Comm. End Head Assembly & Parts Used With

GDZ-2002	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBW-69	1	Gasket, Comm. End Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Retaining
GBW-1012A†	2	Brush
GBW-1068	1	Cover, Comm. End
GDZ-1002A	1	Head Assy., Partial, C.E.
GBF-79	1	Bearing, Abs. Bronze
GBW-45	2	Spring, Brush
GCJ-26	2	Arm, Brush
12X-195	4	Lockwasher, C.E. Cover #8
8X-888	4	Screw, C.E. Cover, Fil. Hd. #8-32x5/16
		1 2 3 4 5

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
		1 2 3 4 5
12X-195	2	Lockwasher, Brush Lead Sc., #8
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

GBM-21	1	Nut, Armature Shaft
GDZ-2006F	1	Armature Assy.
GAR-171	1	Snap Ring
GR-32	1	Retainer, Felt Washer
SP-1299	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
12X-864	1	Lockwasher, Shaft

Drive End Head Assembly & Parts Used With

GDZ-1003	1	Head Assy., Drive End
GAR-63	2	Retainer, Felt Washer
GAR-64	2	Retainer, Bearing
GDZ-3	1	Head, Drive End
GG-164	2	Washer, Felt
8X-173	3	Nut, Bearing Retaining, Hex., #10-32
X-196	3	Lockwasher, Bearing Retaining, #10
X-295	1	Bearing, Ball, S.A.E. #203
X-489	1	Oiler, Hinge Top, Press in, 1/4
8X-1003	3	Screw, Bearing Retaining, Rd. Hd., #10-32x7/8

Miscellaneous Parts

GBW-24B	1	Band, Cover
8X-715	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/4
8X-794	1	Nut, Cover Band, Square #10-32
		1 2 3 4 5

† Brush Set, Service GBW-2012AS.

NOTE:- VRX-4401A Current-Voltage Regulator is used with but is not a part of this generator.

Unit	Application
GGS-4801A	Aircooled

(Issued 1-14-47)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
DK-23C	2	Bolt, Thru
GGU-2067	1	Frame & Field Assembly
GBY-38A	2	Screw, Pole Shoe
GDW-44	1	Washer, Ins., Arm. Term.
GGU-30	1	Washer, Ins., Field Term.
GGU-31	1	Washer, Plain, Field Term.
GGU-32	2	Bushing, Ins., Term. Stud
GGU-1005	1	COIL ASSEMBLY, FIELD, COMPLETE
GGU-27	1	Stud, Field Term., #10-32
GGU-28	1	Stud, Arm. Term., 1/4-28
GGU-40	1	Lead Assembly
X-3092	1	Terminal
GGU-1007	1	Coil, Field, Left
GGU-1008	1	Coil, Field, Right
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term.
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
12X-196	1	Lockwasher, Ground Sc., #10
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16
12X-1014	2	Lockwasher, Thru Bolt, 5/16

Comm. End Head Assembly & Parts Used With

DA-22	1	Washer, Bearing Retaining
DA-39	1	Washer, Plain, Felt Retaining
DA-60	1	Screw, Bearing Retaining
DA-132	1	Washer, Felt
GBJ-25	1	Gasket, Cover
GBJ-32A	1	Cover, Comm. End
GGU-2012S	1	BRUSH SET, SERVICE
GGU-2069S	1	Head Assy., Comm. End
GBW-45	2	Spring, Brush
GCJ-26	2	Arm, Brush
12X-195	2	Lockwasher, Lead Screw, #8
12X-196	3	Lockwasher, Cover Screw, #10
12X-199	1	Lockwasher, Brg. Retaining Screw, 1/4
X-295	1	BEARING, BALL, S.A.E. #203
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler 8X-870
8X-870	3	Screw, C.E. Cover, Fill. Hd. #10-32x5/16

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GBM-21B	1	Nut, Arm. Shaft, D.E.
GEG-55	1	Spacer, Arm. Shaft
GGU-2059F	1	ARMATURE ASSEMBLY
GAR-171	2	Snap Ring
GR-32	2	Retainer, Felt Washer
X-261	1	Key, Woodruff, #6
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

GGU-1068	1	Head Assy., Drive End
GBM-124	1	Gasket, Brg. Retainer
GBM-125	1	Retainer, Felt Washer, Inner
GBM-127	1	Retainer, Bearing
GBM-128	1	Retainer, Felt Washer, Outer
GG-164	2	Washer, Felt
GGU-68	1	Head, Drive End
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
12X-196	3	Lockwasher, Retainer Screw, #10
X-295	1	BEARING, BALL, S.A.E. #203
X-489	1	Oiler

Miscellaneous Parts

GCE-24	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

UNIT	APPLICATION
GGU-4802S	Service Generator

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GGU-6001A, B, C, D, E, F, G, H, J, K, K-1, L, R, S, S-1, T, U, V, W, GENERATOR PARTS LIST GGU-6001A, B, C, D, E, F, G, H, J, K, K-1, L, R, S, S-1, T, U, V, W (Issued 6-22-56)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
DK-23C	2	Bolt, Thru
GGU-2001	1	Frame & Field Assembly
GBY-38A	2	Screw, Pole Shoe
GDW-44	1	Washer, Ins., Arm. Term.
GGU-30	1	Washer, Ins., Field Term.
GGU-31	1	Washer, Plain, Field Term.
GGU-32	2	Bushing, Ins., Term. Stud
GGU-1005	1	COIL ASSY., FIELD, COMPLETE
GGU-27	1	Stud, Field Term., 10-32
GGU-28	1	Stud, Arm. Term., 1/4-28
GGU-40	1	Lead Assembly
X-3092	1	Terminal
GGU-1007	1	Coil, Field, Left
GGU-1008	1	Coil, Field, Right
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term.
12X-196	2	Lockwasher, Field Term., 10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. 10-32
12X-196	1	Lockwasher, Ground Sc., 10
8X-321	1	Screw, Ground, Rd. Hd. 10-32x5/16
12X-1014	2	Lockwasher, Thru Bolt, 5/16

Comm. End Head Assembly & Parts Used With

GGU-2002S	1	Head Assy., Comm. End
GGU-33	1	Gasket, C. E. Cover
GGU-34	1	Cover, Comm. End
GGU-41	1	Wick, Felt
GGU-1002A	1	Head Assy., Partial, C. E.
GBW-45	2	Spring, Brush
GCJ-26	2	Arm, Brush
GGU-38A	1	BEARING, ABS. BRONZE
12X-195	3	Lockwasher, Cover Sc., 8
X-489	1	Oiler
8X-888	3	Screw, C. E. Cover, Fill. Hd. 8-32x5/16
GGU-2012S	1	BRUSH SET, SERVICE
12X-195	2	Lockwasher, Lead Sc., 8
8X-305	2	Screw, Brush Lead, Rd. Hd. 8-32x1/4

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GBM-21B	1	Nut, Arm. Shaft, D. E.
*	1	Spacer, Arm. Shaft
GGU-2006F	1	ARMATURE ASSY.
GAR-171	1	Snap Ring
GR-32	1	Retainer, Felt Washer
*	1	Pulley, Drive
X-261	1	Key, Woodruff, 6
12X-864	1	Lockwasher, Shaft, D. E.

Drive End Head Assembly & Parts Used With

GGU-1003	1	Head Assy., Drive End
GBM-124	1	Gasket, Brg. Retainer
GBM-125	1	Retainer, Felt Washer, Inner
GBM-127	1	Retainer, Bearing
GBM-128	1	Retainer, Felt Washer, Outer
GG-164	2	Washer, Felt
GGU-3	1	Head, Drive End
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. 10-32x1/2
12X-196	3	Lockwasher, Retainer Sc., 10
X-295	1	BEARING, BALL, S. A. E. 203
X-489	1	Oiler

Miscellaneous Parts

GCE-24	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. 10-32x1 1/2
8X-794	1	Nut, Cover Band, Square 10-32

NOTE: * CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

* See table following parts list for part number applying to assembly wanted.

(Continued on Reverse Side.)

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Assembly No.	Spacer	Pulley	Regulator
GGU-6001A	None	SP-1913	VAV-6001B
GGU-6001B	GEG-55	SP-935	VAV-4002C
GGU-6001C	GEG-55	SP-880	VAV-4401B
GGU-6001D	GEG-55	SP-929	VAV-4401B
GGU-6001E	GEG-55	SP-887	VAV-6001B
GGU-6001F	GEG-55	SP-894	VAV-6001B
GGU-6001G	None	SP-1977	VAV-6001B
GGU-6001H	GEG-55	SP-976	VAV-6001B
GGU-6001J	GEG-55	SP-887	VBA-6001A
GGU-6001K	GEG-55	SP-983	VAV-6001B
GGU-6001K-1	GEG-55	SP-983	VAV-6005A
GGU-6001L	GEG-55	SP-984	VBA-4206B
GGU-6001R	None	PU-1014	VAV-6001B
GGU-6001S	None	None	
GGU-6001S-1	None	None	VAV-6001B
GGU-6001T	GEG-55	PU-9	VAV-6001B
GGU-6001U	GEG-55	PU-10	VAV-6001B
GGU-6001V	None	PU-1041	VAV-6001B
GGU-6001W	GEG-55	PU-58	VBA-4205A

UNIT	APPLICATION
GGU-6001A, E, G, H, R	Chrysler, DeSoto, Dodge, Plymouth
GGU-6001B	Frazer, Kaiser
GGU-6001C, D	Packard
GGU-6001F, K	Dodge (Truck)
GGU-6001J	Checker Cab
GGU-6001K-1	Brockway Truck
GGU-6001L	Four Wheel Drive
GGU-6001T, U, V	Chrysler
GGU-6001S	A-L Service
GGU-6001S-1	Chrysler Service
GGU-6001W	Diamond T.

"NOTE: Where part numbers are shown in parenthesis, they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
DK-23C	2	Bolt, Thru
GGU-2001A	1	Frame & Field Assembly
GBY-38A	2	Screw, Pole Shoe
GDW-44	1	Washer, Ins., Arm. Term.
GGU-30	1	Washer, Ins., Field Term.
GGU-31	1	Washer, Plain, Field Term.
GGU-32	2	Bushing, Ins., Term. Stud
GGU-1005S	1	COIL ASSY., FIELD, COMPLETE
GGU-27	1	Stud, Field Term., #10-32
GGU-28	1	Stud, Arm. Term., 1/4-28
GGU-40	1	Lead Assembly
X-3092	1	Terminal
GGU-1007S	1	Coil, Field, Left
GGU-1008S	1	Coil, Field, Right
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm Term.
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-1063	2	Nut, Arm. Term., Hex., 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
12X-196	1	Lockwasher, Ground Sc., #10
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16
12X-1014	2	Lockwasher, Thru Bolt, 5/16

Comm. End Head Assembly & Parts Used With

GGU-2002BS	1	Head Assy., Comm. End
GGU-33	1	Gasket, C.E. Cover
GGU-34	1	Cover, Comm. End
GGU-41	1	Wick, Felt
GGU-1002E	1	Head Assy., Partial, C.E.
GBW-45B	2	Spring, Brush
GCJ-26	2	Arm, Brush
GGU-38A	1	BEARING, ABSORBENT BRONZE
12X-195	3	Lockwasher, Cover Sc., #8
X-489	1	Oiler
8X-888	3	Screw, C.E. Cover, Fill. Hd., #8-32x5/16
GGU-2012S	1	BRUSH SET, SERVICE
12X-195	2	Lockwasher, Lead Sc., #8
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GBM-21B	1	Nut, Arm. Shaft, D.E.
GEG-55	1	Spacer, Arm. Shaft
GGU-2006FF	1	Armature Assembly
GAR-171	1	Snap Ring
GR-32	1	Retainer, Felt Washer
*	1	Pulley, Drive
X-261	1	Key, Woodruff, #6
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

GGU-1003B	1	Head Assy., Drive End
GBM-124	1	Gasket, Brg. Retainer
GBM-125	1	Retainer, Felt Washer, Inner
GBM-127	1	Retainer, Bearing
GBM-128	1	Retainer, Felt Washer, Outer
GG-164	2	Washer, Felt
GGU-3B	1	Head, Drive End
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
12X-196	3	Lockwasher, Retainer Screw, #10
X-295	1	BEARING, BALL, S.A.E. #203
X-489	1	Oiler

Miscellaneous Parts

GCE-24S	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

* See table following parts list for part number applying to assembly wanted.

ASSEMBLY NO.	PULLEY
GGU-6001KF	SP-983S
GGU-6001FF-S1	None

UNIT	APPLICATION
GGU-6001KF	Chrys. Ind., Dodge (Tr.)
GGU-6001FF-S1	Chrysler Service Gen.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
DK-23C	2	Bolt, Thru
GGU-2001	1	Frame & Field Assembly
GBY-38A	2	Screw, Pole Shoe
GDW-44	1	Washer, Ins., Arm. Term.
GGU-30	1	Washer, Ins., Field Term.
GGU-31	1	Washer, Plain, Field Term.
GGU-32	2	Bushing, Ins., Term. Stud
GGU-1005	1	COIL ASSEMBLY, FIELD COMPLETE
GGU-27	1	Stud, Field Term., #10-32
GGU-28	1	Stud, Arm. Term., 1/4-28
GGU-40	1	Lead Assembly
X-3092	1	Terminal
GGU-1007	1	Coil, Field, Left
GGU-1008	1	Coil, Field, Right
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term.
12X-196	2	Lockwasher, Field, Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
12X-196	1	Lockwasher, Ground Screw, #10
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16
12X-1014	2	Lockwasher, Thru Bolt, 5/16

Comm. End Head Assembly & Parts Used With

GGU-2002S	1	Head Assembly, Comm. End
GGU-33	1	Gasket, C. E. Cover
GGU-34	1	Cover, Comm. End
GGU-41	1	Wick, Felt
GGU-1002A	1	Head Assy., Partial C. E.
GBW-45	2	Spring, Brush
GCJ-26	2	Arm, Brush
GGU-38A	1	BEARING, ABSORBENT BRONZE
12X-195	3	Lockwasher, Cover Screw, #8
X-489	1	Oiler
8X-888	3	Screw, C. E. Cover, Fill. Hd. #8-32x5/16
GGU-2012S	1	BRUSH SET, SERVICE
12X-195	2	Lockwasher, Lead Screw, #8
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GBM-21B	1	Nut, Arm. Shaft, D. E.
GGW-40	1	Spacer, Arm. Shaft
GGU-2046F	1	ARMATURE
*	1	Pulley, Drive
X-263	1	Key, Woodruff, #8
12X-864	1	Lockwasher, Shaft, D. E.

Drive End Head Assembly & Parts Used With

GGU-1045	1	Head Assy., Drive End
GGF-9	2	Washer, Felt
GGF-10	1	Retainer, Felt Washer, Outer
GGF-11	1	Gasket, Brg. Retainer
GGF-12	1	Retainer, Felt Washer, Inner
GGF-13	1	Retainer, Bearing
GGU-45	1	Head, Drive End
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
12X-196	3	Lockwasher, Retainer Screw, #10
X-298	1	BEARING, BALL, S. A. E. #204
X-489	1	Oiler

Miscellaneous Parts

GCE-24	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

NOTE: VAV-6001B CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

* See table following parts list for part number applying to assembly wanted.

Assembly No.	Pulley
GGU-6002A	SP-965
GGU-6002B	PU-108
GGU-6002D	PU-145
GGU-6002S	None
GGU-6002-S1	None

UNIT	APPLICATION
GGU-6002A, B, D	Dodge (Truck)
GGU-6002S	A-L Service
GGU-6002-S1	Chrysler Service

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GGU-6004A, B, C, D, S1 GENERATOR PARTS LIST

GGU-6004A, B, C, D, S1 (Issued 10-6-55)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
DK-23C	2	Bolt, Thru
GGU-2001	1	Frame & Field Assembly
GBY-38A	2	Screw, Pole Shoe
GDW-44	1	Washer, Ins., Arm. Term.
GGU-30	1	Washer, Ins., Field. Term.
GGU-31	1	Washer, Plain, Field Term.
GGU-32	2	Bushing, Ins. Term. Stud
GGU-1005	1	COIL ASSY., FIELD, COMPLETE
GGU-27	1	Stud, Field Term., #10-32
GGU-28	1	Stud, Arm. Term., 1/4-28
GGU-40	1	Lead Assembly
X-3092	1	Terminal
GGU-1007	1	Coil, Field, Left
GGU-1008	1	Coil, Field, Right
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term.
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
12X-196	1	Lockwasher, Ground Sc., #10
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16
12X-1014	2	Lockwasher, Thru Bolt, 5/16

Comm. End Head Assembly & Parts Used With

GGU-53	1	Gasket, Brg. Retainer
GGU-1050	1	Retainer Assy., Bearing
GGU-51	1	Retainer, Felt Washer
GGU-52	1	Washer, Felt
GGU-2012S	1	BRUSH SET, SERVICE
GGU-2048S	1	Head Assy., Comm. End
GBW-45	2	Spring, Brush
GGJ-26	2	Arm, Brush
GGW-19	1	Retainer, Outer
8X-118	4	Screw, Brg. Retainer, Fill. Hd. #10-32x3/4
12X-195	2	Lockwasher, Lead Sc., #8
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler
X-3135	1	BEARING, BALL
12X-3192	4	Lockwasher, Retainer Sc., #10

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GBM-21B	1	Nut, Arm. Shaft, D. E.
GGU-2054F	1	ARMATURE
GGW-34‡	1	Coupling
GGW-40	1	Spacer, Arm. Shaft
GGW-71‡	1	Washer, Coupling Sc.
*	1	Pulley, Drive
X-263	1	Key, Woodruff, #8
12X-864	1	Lockwasher, Shaft, D. E.
X-3187‡	1	Screw, Coupling Mtg., Rd. Hd. 1/4-20x1/2

Drive End Head Assembly & Parts Used With

GGU-1045	1	Head Assy., Drive End
GGF-9	2	Washer, Felt
GGF-10	1	Retainer, Felt Washer, Outer
GGF-11	1	Gasket, Brg. Retainer
GGF-12	1	Retainer, Felt Washer, Inner
GGF-13	1	Retainer, Bearing
GGU-45	1	Head, Drive End
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
12X-196	3	Lockwasher, Retainer Sc., #10
X-298	1	BEARING, BALL, S. A. E #204
X-489	1	Oiler

Miscellaneous Parts

GCE-24	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

NOTE: VAV-6001B CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

‡ Part of GGU-6004A only.

* See table following parts list for part number applying to assembly wanted.

Assembly No.	Pulley
GGU-6004A	PU-34
GGU-6004B	SP-965
GGU-6004C	PU-145
GGU-6004D	PU-148
GGU-6004-S1	None

UNIT	APPLICATION
GGU-6004A	Chrysler (8)
GGU-6004B, D	
GGU-6004C	Dodge Tr.
GGU-6004-S1	Service Gen.

Printed in U. S. A.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
DK-23C	2	Bolt, Thru
GGU-2001	1	Frame & Field Assembly
GBY-38A	2	Screw, Pole Shoe
GDW-44	1	Washer, Ins., Arm. Term.
GGU-30	1	Washer, Ins., Field Term.
GGU-31	1	Washer, Plain, Field Term.
GGU-32	2	Bushing, Ins., Term. Stud
GGU-1005	1	COIL ASSEMBLY, FIELD, COMPLETE
GGU-27	1	Stud, Field Term., #10-32
GGU-28	1	Stud, Arm. Term., 1/4-28
GGU-40	1	Lead Assembly
X-3092	1	Terminal
GGU-1007	1	Coil, Field, Left
GGU-1008	1	Coil, Field, Right
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term.
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
12X-196	1	Lockwasher, Ground Screw, #10
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16
12X-1014	2	Lockwasher, Thru Bolt, 5/16

Comm. End Head Assembly & Parts Used With

DA-22	1	Washer, Brg. Retaining
DA-39	1	Washer, Plain, Felt Retaining
DA-60	1	Screw, Brg. Retaining
DA-132	1	Washer, Felt
GBJ-25	1	Gasket, C.E. Cover
GBJ-32A	1	Cover, Comm. End
GGU-2012S	1	BRUSH SET, SERVICE
GGU-2060S	1	Head Assy., Comm. End
GBW-45	2	Spring, Brush
GCJ-26	2	Arm, Brush
12X-195	2	Lockwasher, Lead Screw, #8
12X-196	3	Lockwasher, Cover Screw, #10
12X-199	1	Lockwasher, Brg. Retaining Screw, 1/4
X-295	1	BEARING, BALL, S.A.E. #203
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler
8X-870	3	Screw, Cover, Fill. Hd. #10-32x5/16

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GBM-21B	1	Nut, Arm. Shaft, D.E.
*	1	Spacer, Arm. Shaft
GGU-2059F	1	ARMATURE ASSEMBLY
GAR-171	2	Snap Ring
GR-32	2	Retainer, Felt Washer
*	1	Pulley, Drive
X-261	1	Key, Woodruff, #6
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

GGU-1003	1	Head Assy., Drive End
GBM-124	1	Gasket, Brg. Retainer
GBM-125	1	Retainer, Felt Washer, Inner
GBM-127	1	Retainer, Bearing
GBM-128	1	Retainer, Felt Washer, Outer
GG-164	2	Washer, Felt
GGU-3	1	Head, Drive End
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
12X-196	3	Lockwasher, Retainer Screw, #10
X-295	1	BEARING, BALL, S.A.E. #203
X-489	1	Oiler

Miscellaneous Parts

GCE-24	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

NOTE: * CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

* See table following parts list for part number applying to assembly wanted.

(Continued on Reverse Side)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GGU-6005A, B, C, S, S1 GENERATOR PARTS LIST (Continued)

Assembly No.	Pulley	Spacer	Regulator
GGU-6005A	SP-1977	None	VAV-6001B
GGU-6005B	SP-887	GEG-55	VBA-6001A
GGU-6005C	PU-58	GEG-55	VBA-4205A
GGU-6005S	None	GEG-55	VBA-4205A (Positive) VBA-4206A (Negative)
GGU-6005-S1	None	GEG-55	VAV-6001B

UNIT	APPLICATION
GGU-6005A	DeSoto (Taxi)
GGU-6005B	Checker Cab
GGU-6005C	Diamond T
GGU-6005S	A-L Service Gen.
GGU-6005-S1	Chrysler Service

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking su -parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GGU-6006A, AA, B, C, D, E, F, G, G-A, H, J, K, S1 GENERATOR PARTS LIST

GGU-6006A, AA, B, C, D, E, F, G, G-A, H, J, K, S1
(Issued 5-13-54)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
DK-23C	2	Bolt, Thru
GGU-2001	1	Frame & Field Assembly
GBY-38A	2	Screw, Pole Shoe
GDW-44	1	Washer, Ins., Arm. Term.
GGU-30	1	Washer, Ins., Field Term.
GGU-31	1	Washer, Plain, Field Term
GGU-32	2	Bushing, Ins., Term. Stud
GGU-1005	1	COIL ASSY., FIELD, COMPLETE
GGU-27	1	Stud, Field Term., #10-32
GGU-28	1	Stud, Arm. Term., 1/4-28
GGU-40	1	Lead Assembly
X-3092	1	Terminal
GGU-1007	1	Coil, Field, Left
GGU-1008	1	Coil, Field, Right
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
12X-196	1	Lockwasher, Ground Screw, #10
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16
12X-1014	2	Lockwasher, Thru Bolt, 5/16

Comm. End Head Assembly & Parts Used With

GGU-53	1	Gasket, Brg. Retainer
GGU-1050	1	Retainer Assembly, Bearing
GGU-51	1	Retainer, Felt Washer
GGU-52	1	Washer, Felt
GGU-2012S	1	BRUSH SET, SERVICE
GGU-2048S	1	Head Assembly, Comm. End
GBW-45	2	Spring, Brush
GCJ-26	2	Arm, Brush
GGW-19	1	Retainer, Outer
8X-118	4	Screw, Brg. Retainer, Fill. Hd. #10-32x3/4
12X-195	2	Lockwasher, Lead Screw, #8
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler
X-3135	1	BEARING, BALL
12X-3192	4	Lockwasher, Retainer Sc., #10

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GBM-21B	1	Nut, Arm. Shaft, D. E.
GGU-2042F	1	ARMATURE
*	1	Coupling
GGW-40	1	Spacer, Arm. Shaft
*	1	Washer, Coupling Screw
*	1	Pulley, Drive
X-263	1	Key, Woodruff, #8
12X-864	1	Lockwasher, Shaft, D. E.
*	1	Screw, Coupling Mtg., 1/4-28

Drive End Head Assembly & Parts Used With

GGU-1045	1	Head Assembly, Drive End
GGF-9	2	Washer, Felt
GGF-10	1	Retainer, Felt Washer, Outer
GGF-11	1	Gasket, Brg. Retainer
GGF-12	1	Retainer, Felt Washer, Inner
GGF-13	1	Retainer, Bearing
GGU-45	1	Head, Drive End
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
12X-196	3	Lockwasher, Retainer Screw, #10
X-298	1	BEARING, BALL, S. A. E. #204
X-489	1	Oiler

Miscellaneous Parts

GCE-24	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

NOTE: VAV-6001B CURRENT VOLTAGE REGULATOR is used with but is not a part of this generator.

* See table following parts list for part number applying to assembly wanted.

(Continued on Reverse Side)

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking su -parts the complete part can be assembled as needed."

GGU-6006A,AA,B,C,D, GENERATOR PARTS LIST (Cont.)
E,F,G,G-A,H,J,K,S1

Assembly No.	Coupling	Washer	Pulley	Screw
GGU-6006A	None	None	PU-60	None
GGU-6006AA	GGW-87	GGW-88	PU-60	X-3226
GGU-6006B	None	None	PU-61	None
GGU-6006C	None	None	PU-62	None
GGU-6006D	GGW-34	GGW-71	PU-63	X-3187
GGU-6006E	None	None	PU-95	None
GGU-6006F	None	None	PU-96	None
GGU-6006G	None	None	PU-97	None
GGU-6006G-A	GGW-87	GGW-88	PU-97	X-3226
GGU-6006H	None	None	PU-98	None
GGU-6006J	GGW-34	GGW-71	PU-97	X-3187
GGU-6006K	None	None	PU-90	None
GGU-6006S1	None	None	None	None

UNIT	APPLICATION
GGU-6006A,B,E	DeSoto (8)
GGU-6006AA,C, F,G,G-A,H,J	Chry. (8),DeSoto (8)
GGU-6006D	Chrysler (8)
GGU-6006K	Dodge (Truck)
GGU-6006-S1	Service Generator

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GGU-6007A,S GENERATOR PARTS LIST

GGU-6007A,S
(Issued 12-10-52)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
DK-23C	2	Bolt, Thru
GGU-2001	1	Frame & Field Assembly
GBY-38A	2	Screw, Pole Shoe
GDW-44	1	Washer, Ins., Arm. Term.
GGU-30	1	Washer, Ins., Field Term.
GGU-31	1	Washer, Plain, Field Term.
GGU-32	2	Bushing, Ins., Term. Stud
GGU-1005	1	COIL ASSY., FIELD, COMPLETE
GGU-27	1	Stud, Field Term., #10-32
GGU-28	1	Stud, Arm. Term., 1/4-28
GGU-40	1	Lead Assembly
X-3092	1	Terminal
GGU-1007	1	Coil, Field, Left
GGU-1008	1	Coil, Field, Right
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term.
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
12X-196	1	Lockwasher, Ground Sc., #10
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16
12X-1014	2	5/16 Lockwasher, Thru Bolt,

Comm. End Head Assembly & Parts Used With

DA-22	1	Washer, Bearing Retaining
DA-39	1	Washer, Plain, Felt Retaining
DA-60	1	Screw, Bearing Retaining
DA-132	1	Washer, Felt
GBJ-25	1	Gasket, C.E. Cover
GBJ-32A	1	Cover, Comm. End
GGU-2012S	1	BRUSH SET, SERVICE
GGU-2060S	1	Head Assy., Comm. End
GBW-45	2	Spring, Brush
GCJ-26	2	Arm, Brush
12X-195	2	Lockwasher, Lead Sc., #8
12X-196	3	Lockwasher, Cover Screw, #10
12X-199	1	Lockwasher, Brg. Retaining Sc., 1/4
X-295	1	BEARING, BALL, S.A.E. #203
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler
8X-870	3	Screw, Cover, Fill. Hd. #10-32x5/16

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GBM-21B	1	Nut, Arm. Shaft, D.E.
GGU-2061F	1	ARMATURE ASSY.
GAR-171	1	Snap Ring
GR-32	1	Retainer, Felt Washer
*	1	Pulley, Drive
X-263	1	Key, Woodruff, #8
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

GGU-1045	1	Head Assy., Drive End
GGF-9	2	Washer, Felt
GGF-10	1	Retainer, Felt Washer, Outer
GGF-11	1	Gasket, Brg. Retainer
GGF-12	1	Retainer, Felt Washer, Inner
GGF-13	1	Retainer, Bearing
GGU-45	1	Head, Drive End
12X-196	3	Lockwasher, Retainer Sc., #10
X-298	1	BEARING, BALL, S.A.E. #204
8X-311	3	Screw, Brg. Retainer, Rd. Hd. #10-32x3/8
X-489		

Miscellaneous Parts

GCE-24	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x 1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

NOTE: VBA-6001A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

* See table following parts list for part number applying to assembly wanted.

Assembly No.	Pulley
GGU-6007A	SP-829
GGU-6007S	None

UNIT	APPLICATION
GGU-6007A,S	Duplex Truck

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
DK-23C	2	Bolt, Thru
GGU-2001	1	Frame & Field Assembly
GBY-38A	2	Screw, Pole Shoe
GDW-44	1	Washer, Ins., Arm. Term.
GGU-30	1	Washer, Ins., Field Term.
GGU-31	1	Washer, Plain, Field Term.
GGU-32	2	Bushing, Ins., Term. Stud
GGU-1005	1	COIL ASSEMBLY, FIELD, COMPLETE
GGU-27	1	Stud, Field Term., #10-32
GGU-28	1	Stud, Arm. Term., 1/4-28
GGU-40	1	Lead Assembly
X-3092	1	Terminal
GGU-1007	1	Coil, Field, Left
GGU-1008	1	Coil, Field, Right
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term.
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
12X-196	1	Lockwasher, Ground Screw, #10
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16
12X-1014	2	Lockwasher, Thru Bolt, 5/16

Comm. End Head Assembly & Parts Used With

GGU-2002S	1	Head Assy., Comm. End
GGU-33	1	Gasket, C.E. Cover
GGU-34	1	Cover, Comm. End
GGU-41	1	Wick, Felt
GGU-1002A	1	Head Assy., Partial, C.E.
GBW-45	2	Spring, Brush
GCJ-26	2	Arm, Brush
GGU-38A	1	BEARING, ABSORBENT BRONZE
12X-195	3	Lockwasher, Cover Screw, #8
X-489	1	Oiler
8X-888	3	Screw, C.E. Cover, Fill. Hd. #8-32x5/16
GGU-2012S	1	BRUSH SET, SERVICE
12X-195	2	Lockwasher, Lead Screw, #8
8X-305	2	Screw, Br. Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GBM-21B	1	Nut, Arm. Shaft, D.E.
GGU-2063F	1	ARMATURE
GGW-40	1	Spacer, Arm. Shaft
*	1	Pulley, Drive
X-263	1	Key, Woodruff, #8
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

GGU-1045	1	Head Assy., Drive End
GGF-9	2	Washer, Felt
GGF-10	1	Retainer, Felt Washer, Outer
GGF-11	1	Gasket, Brg. Retainer
GGF-12	1	Retainer, Felt Washer, Inner
GGF-13	1	Retainer, Bearing
GGU-45	1	Head, Drive End
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
12X-196	3	Lockwasher, Retainer Screw, #10
X-298	1	BEARING, BALL, S.A.E. #204
X-489	1	Oiler

Miscellaneous Parts

GCE-24	1	Band, Cover
8X-714	1	Screw Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

NOTE: VAV-6001B CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

* See table following parts list for part number applying to assembly wanted.

Assembly No.	Pulley
GGU-6008A	PU-62
GGU-6008B	PU-63
GGU-6008C	PU-60
GGU-6008D	PU-61
GGU-6008-S1	None

UNIT	APPLICATION
GGU-6008A. B. C. D	Dodge (8)
GGU-6008-S1	Service Generator

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GGU-6009A, B, C, D, S1 GENERATOR PARTS LIST

GGU-6009A, B, C, D, S1
(Issued 10-6-55)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
DK-23C	2	Bolt, Thru
GGU-2001	1	Frame & Field Assembly
GBY-38A	2	Screw, Pole Shoe
GDW-44	1	Washer, Ins., Arm. Term.
GGU-30	1	Washer, Ins., Field Term.
GGU-31	1	Washer, Plain, Field Term.
GGU-32	2	Bushing, Ins., Term. Stud
GGU-1005	1	COIL ASSY., FIELD, COMPLETE
GGU-27	1	Stud, Field Term., #10-32
GGU-28	1	Stud, Arm. Term., 1/4-28
GGU-40	1	Lead Assembly
X-3092	1	Terminal
GGU-1007	1	Coil, Field, Left
GGU-1008	1	Coil, Field, Right
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term.
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
12X-196	1	Lockwasher, Ground Sc., #10
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16
12X-1014	2	Lockwasher, Thru Bolt, 5/16

Comm. End Head Assembly & Parts Used With

GGU-2002S	1	Head Assy., Comm. End
GGU-33	1	Gasket, C. E. Cover
GGU-34	1	Cover, Comm. End
GGU-41	1	Wick, Felt
GGU-1002A	1	Head Assy., Partial, C. E.
GBW-45	2	Spring, Brush
GCJ-26	2	Arm, Brush
GGU-38A	1	BEARING, ABS. BRONZE
12X-195	3	Lockwasher, Cover Sc., #8
X-489	1	Oiler
8X-888	3	Screw, C. E. Cover, Fill. Hd. #8-32x5/16
GGU-2012S	1	BRUSH SET, SERVICE
12X-195	2	Lockwasher, Lead Sc., #8
8X-305	2	Screw, Br. Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GBM-21B	1	Nut, Arm. Shaft, D. E.
*	1	Spacer, Arm. Shaft
GGU-2006F	1	ARMATURE ASSY.
GAR-171	1	Snap Ring
GR-32	1	Retainer, Felt Washer
*	1	Pulley, Drive
X-261	1	Key, Woodruff, #6
12X-864	1	Lockwasher, Shaft, D. E.

Drive End Head Assembly & Parts Used With

GGU-1064	1	Head Assy., Drive End
GBM-124	1	Gasket, Brg. Retainer
GBM-125	1	Retainer, Felt Washer, Inner
GBM-127	1	Retainer, Bearing
GBM-128	1	Retainer, Felt Washer, Outer
GG-164	2	Washer, Felt
GGU-64	1	Head, Drive End
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
12X-196	3	Lockwasher, Retainer Sc., #10
X-295	1	BEARING, BALL, S. A. E. #203
X-489	1	Oiler

Miscellaneous Parts

GCE-24	1	Band, Cover
8X-714	1	Screw Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

Note:-VAV-6001B CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

* See table following parts list for part number applying to assembly wanted.

Assembly No.	Spacer	Pulley
GGU-6009A	None	SP-1977
GGU-6009B	None	PU-1041
GGU-6009C	None	PU-1014
GGU-6009D	GEG-55	SP-976
GGU-6009-S1	GEG-55	None

UNIT	APPLICATION
GGU-6009A, B	
GGU-6009C	Plymouth (8)
GGU-6009D	Dodge Tr.
GGU-6009-S1	Service Generator

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GGU-6011A GENERATOR PARTS LIST GGU-6011A

(Issued 10-20-53)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
DK-23C	2	Bolt, Thru
GGU-2001	1	Frame & Field Assembly
GBY-38A	2	Screw, Pole Shoe
GDW-44	1	Washer, Ins., Arm. Term.
GGU-30	1	Washer, Ins., Field Term.
GGU-31	1	Washer, Plain, Field Term.
GGU-32	2	Bushing, Ins., Term. Stud
GGU-1005	1	COIL ASSY., FIELD, COMPLETE
GGU-27	1	Stud, Field Term, #10-32
GGU-28	1	Stud, Arm. Term., 1/4-28
GGU-40	1	Lead Assembly
X-3092	1	Terminal
GGU-1007	1	Coil, Field, Left
GGU-1008	1	Coil, Field, Right
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term.
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
12X-196	1	Lockwasher, Ground Sc. #10
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16
12X-1014	2	Lockwasher, Thru Bolt, 5/16

Comm. End Head Assembly & Parts Used With

DA-22	1	Washer, Brg. Retaining
DA-39	1	Washer, Plain, Felt Retaining
DA-60	1	Screw, Brg. Retaining
DA-132	1	Washer, Felt
GBJ-25	1	Gasket, Cover
GBJ-32A	1	Cover, Comm. End
GDZ-2012S	1	BRUSH SET, SERVICE
GGU-2066S	1	Head Assy., Comm. End
GBW-45	2	Spring, Brush
GCJ-26	2	Arm, Brush
12X-195	2	Lockwasher, Lead Sc., #8
12X-196	3	Lockwasher, C.E. Cover Sc., #10
12X-199	1	Lockwasher, Brg. Retaining Screw 1/4
X-295	1	BEARING, BALL, S.A.E. #203
8X-305	2	Screw, Br. Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler
8X-870	3	Screw, Cover, Fill. Hd. #10-32x5/16

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GBM-21B	1	Nut, Arm. Shaft, D.E.
GEG-55	1	Spacer, Arm. Shaft
GGU-2059F	1	ARMATURE ASSEMBLY
GAR-171	2	Snap Ring
GR-32	2	Retainer, Felt Washer
PU-106	1	Pulley Drive
X-261	1	Key, Woodruff, #6
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

GGU-1003	1	Head Assy., Drive End
GBM-124	1	Gasket, Brg. Retainer
GBM-125	1	Retainer, Felt Washer, Inner
GBM-127	1	Retainer, Bearing
GBM-128	1	Retainer, Felt Washer, Outer
GG-164	2	Washer, Felt
GGU-3	1	Head, Drive End
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
12X-196	3	Lockwasher, Retainer Screw, #10
X-295	1	BEARING, BALL, S.A.E. #203
X-489	1	Oiler

Miscellaneous Parts

GCE-24	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

NOTE:-VBA-4206A CURRENT VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GGU-6011A	Willys

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
DK-23C	2	Bolt, Thru
GGU-2001	1	Frame & Field Assembly
GBY-38A	2	Screw, Pole Shoe
GDW-44	1	Washer, Ins., Arm. Term.
GGU-30	1	Washer, Ins., Field Term.
GGU-31	1	Washer, Plain, Field Term.
GGU-32	2	Bushing, Ins., Term. Stud
GGU-1005	1	COIL ASSY., FIELD, COMPLETE
GGU-27	1	Stud, Field Term., #10-32
GGU-28	1	Stud, Arm. Term., 1/4-28
GGU-40	1	Lead Assembly
X-3092	1	Terminal
GGU-1007	1	Coil, Field, Left
GGU-1008	1	Coil, Field, Right
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term.
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
12X-196	1	Lockwasher, Ground Screw, #10
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16
12X-1014	2	Lockwasher, Thru Bolt, 5/16

Comm. End Head Assembly & Parts Used With

GGU-2002S	1	Head Assembly, Comm. End
GGU-33	1	Gasket, C.E. Cover
GGU-34	1	Cover, Comm. End
GGU-41	1	Wick, Felt
GGU-1002A	1	Head Assy., Partial, C.E.
GBW-45	2	Spring, Brush
GCJ-26	2	Arm, Brush
GGU-38A	1	BEARING, ABS. BRONZE
12X-195	3	Lockwasher, Cover Sc., #8
X-489	1	Oiler
8X-888	3	Screw, C.E. Cover, Fill. Hd. #8-32x5/16
GGU-2012S	1	BRUSH SET, SERVICE
12X-195	2	Lockwasher, Lead Screw, #8
8X-305	2	Screw, Br. Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GBM-21B	1	Nut, Arm. Shaft, D.E.
GGU-2046F	1	ARMATURE
GGW-40	1	Spacer, Arm. Shaft
*	1	Pulley, Drive
X-263	1	Key, Woodruff, #8
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

GGU-1065	1	Head Assy., Drive End
GGF-9	2	Washer, Felt
GGF-10	1	Retainer, Felt Washer, Outer
GGF-11	1	Gasket, Brg. Retainer
GGF-12	1	Retainer, Felt Washer, Inner
GGF-13	1	Retainer, Bearing
GGU-65	1	Head, Drive End
12X-196	3	Lockwasher, Retainer Sc., #10
X-298	1	BEARING, BALL, S.A.E. #204
8X-311	3	Screw, Brg. Retainer, Rd. Hd. #10-32x3/8
X-489	1	Oiler

Miscellaneous Parts

GCE-24	1	Band, Cover
8X-714	1	Screw Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

NOTE: VAV-6001B CURRENT VOLTAGE REGULATOR is used with but is not a part of this generator.

* See table following parts list for part number applying to assembly wanted.

Assembly No.	Pulley
GGU-6012A	PU-107
GGU-6012-S1	None

UNIT	APPLICATION
GGU-6012A GGU-6012-S1	Dodge (Truck) Service Generator

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
DK-23C	2	Bolt, Thru
GGU-2001	1	Frame & Field Assembly
GBY-38A	2	Screw, Pole Shoe
GDW-44	1	Washer, Ins., Arm. Term.
GGU-30	1	Washer, Ins., Field Term.
GGU-31	1	Washer, Plain, Field Term.
GGU-32	2	Bushing, Ins., Term. Stud
GGU-1005	1	COIL ASSEMBLY, FIELD, COMPLETE
GGU-27	1	Stud, Field Term., #10-32
GGU-28	1	Stud, Arm. Term., 1/4-28
GGU-40	1	Lead Assembly
X-3092	1	Terminal
GGU-1007	1	Coil, Field, Left
GGU-1008	1	Coil, Field, Right
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term.
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm, Term., 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
12X-196	1	Lockwasher, Ground Sc., #10
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16
12X-1014	2	Lockwasher, Thru Bolt, 5/16

Comm. End Head Assembly & Parts Used With

DA-39	1	Washer, Plain, Felt Retaining
DA-132	1	Washer, Felt
GGU-2012S	1	BRUSH SET, SERVICE
GGU-2070S	1	Head Assy., Comm. End
GBW-45	2	Spring, Brush
GCJ-26	2	Arm, Brush
GGW-93	1	Retainer, Outer
12X-195	2	Lockwasher, Lead Sc., #8
X-295	1	BEARING, BALL, S. A. E. #203
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm. Shaft, D. E.
GGU-2071F	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GGW-40	1	Spacer, Arm. Shaft
GGW-88‡	1	Washer, Coupling Screw
GGW-99‡	1	Coupling
GR-32	1	Retainer, Felt Washer
*	1	Pulley, Drive
X-263	1	Key, Woodruff, #8

Armature Assembly & Parts (Continued)

Part No.	No. Used	Name of Part
12X-864	1	Lockwasher, Shaft, D. E.
X-3226‡	1	Screw, Coupling Mtg., Hex. Hd. 1/4-20x5/8

Drive End Head Assembly & Parts Used With

GGU-1045	1	Head Assy., Drive End
GGF-9	2	Washer, Felt
GGF-10	1	Retainer, Felt Washer, Outer
GGF-11	1	Gasket, Brg. Retainer
GGF-12	1	Retainer, Felt Washer, Inner
GGF-13	1	Retainer, Bearing
GGU-45	1	Head, Drive End
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
12X-196	3	Lockwasher, Retainer Screw, #10
X-298	1	BEARING, BALL, S. A. E. #204
X-489	1	Oiler

Miscellaneous Parts

GCE-24	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

NOTE: * CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

‡ Used only with GGU-6013C, D

* See table following parts list for part number applying to assembly wanted.

Assembly No.	Pulley	Regulator
GGU-6013B	PU-61	VAV-6001B
GGU-6013C	PU-60	VAV-6001B
GGU-6013D	PU-95	VAV-6001B
GGU-6013E	PU-182	VBA-6001A
GGU-6013-S1	None	VAV-6001B

UNIT	APPLICATION
GGU-6013B	Chrysler (8)
GGU-6013C	Chrysler (8) Canada
GGU-6013D	DeSoto (8) Canada
GGU-6013E	Checker Cab
GGU-6013-S1	Chrys. Service

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GGW-2001	1	Frame & Field Assembly
GDW-44	1	Washer, Ins., Arm. Term.
GGU-30	1	Washer, Ins., Field Term.
GGU-31	1	Washer, Plain, Field Term.
GGU-32	2	Bushing, Ins., Term. Stud
GGW-1005	1	COIL ASSEMBLY, FIELD, COMPLETE
GGU-27	1	Stud, Field Term., #10-32
GGU-28	1	Stud, Arm. Term., 1/4-28
GGU-40	1	Lead Assembly
X-3092	1	Terminal
GGW-1007	1	Coil, Field, Left
GGW-1008	1	Coil, Field, Right
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term.
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
GK-20A	2	Bolt, Thru
12X-196	1	Lockwasher, Ground Sc., #10
12X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

GGU-2012BS	1	BRUSH SET, SERVICE
GGW-2002S	1	Head Assy., Comm. End
GAL-40C	1	Cover, Bearing, C.E.
GCJ-26	2	Arm, Brush
GGU-38A	1	BEARING, ABS. BRONZE
GGW-41	1	Wick, Felt
GGY-45	2	Spring, Brush
X-489	1	Oiler
12X-195	2	Lockwasher, Lead Sc., #8
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm. Shaft, D.E.
GGW-2006F	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GR-32	1	Retainer, Felt Washer
*	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

Part No.	No. Used	Name of Part
GGW-1003	1	Head Assy., Drive End
GBM-124	1	Gasket, Brg. Retainer
GBM-125	1	Retainer, Felt Washer, Inner
GBM-127	1	Retainer, Bearing
GBM-128	1	Retainer, Felt Washer, Outer
GG-164	2	Washer, Felt
GGW-3	1	Head, Drive End
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
12X-196	3	Lockwasher, Retainer Screw, #10
X-295	1	BEARING, BALL, S.A.E. #203
X-489	1	Oiler

Miscellaneous Parts

GGW-1024	1	Band, Cover

NOTE: * CURRENT-VOLTAGE REGULATOR is used with but is not a prt of this generator.

* See table following parts list for part number applying to assembly wanted.

Assembly No.	Pulley	Regulator
GGW-4801A	SP-1960	VBE-6101A
GGW-4801B	SP-1962	VBE-6104A
GGW-4801C	PU-1080	VBE-6101A
GGW-4801D	SP-1986	VBE-6105A
GGW-4801E	PU-1001	VBE-6101A
GGW-4801EN	PU-1001	VBE-6105A
GGW-4801F	PU-1152	VBE-6101A
GGW-4801S	None	

UNIT	APPLICATION
GGW-4801A, C, E	Studebaker
GGW-4801B	Hudson
GGW-4801D	Willys
GGW-4801EN	Kaiser
GGW-4801F	Hudson, Nash
GGW-4801S	Service Generator

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GGW-2001	1	Frame & Field Assembly
GDW-44	1	Washer, Ins., Arm. Term.
GGU-30	1	Washer, Ins., Field Term.
GGU-31	1	Washer, Plain, Field Term.
GGU-32	2	Bushing, Ins., Term. Stud
GGW-1005	1	COIL ASSEMBLY, FIELD, COMPLETE
GGU-27	1	Stud, Field Term., #10-32
GGU-28	1	Stud, Arm. Term., 1/4-28
GGU-40	1	Lead Assembly
X-3092	1	Terminal
GGW-1007	1	Coil, Field, Left
GGW-1008	1	Coil, Field, Right
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term.
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
GK-20A	2	Bolt, Thru
12X-196	1	Lockwasher, Ground Sc., #10
12X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

GGU-2012BS	1	BRUSH SET, SERVICE
GGW-2002S	1	Head Assy., Comm. End
GAL-40C	1	Cover, Bearing, C.E.
GCJ-26	2	Arm, Brush
GGU-38A	1	BEARING, ABS. BRONZE
GGW-41	1	Wick, Felt
GGY-45	2	Spring, Brush
X-489	1	Oiler
12X-195	2	Lockwasher, Lead Sc., #8
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm. Shaft, D.E.
GGW-2006F	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GR-32	1	Retainer, Felt Washer
*	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

Part No.	No. Used	Name of Part
GGW-1003	1	Head Assy., Drive End
GBM-124	1	Gasket, Brg. Retainer
GBM-125	1	Retainer, Felt Washer, Inner
GBM-127	1	Retainer, Bearing
GBM-128	1	Retainer, Felt Washer, Outer
GG-164	2	Washer, Felt
GGW-3	1	Head, Drive End
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
12X-196	3	Lockwasher, Retainer Screw, #10
X-295	1	BEARING, BALL, S.A.E. #203
X-489	1	Oiler

Miscellaneous Parts

GGW-1024	1	Band, Cover

NOTE: * CURRENT-VOLTAGE REGULATOR is used with but is not a prt of this generator.

* See table following parts list for part number applying to assembly wanted.

Assembly No.	Pulley	Regulator
GGW-4801A	SP-1960	VBE-6101A
GGW-4801B	SP-1962	VBE-6104A
GGW-4801C	PU-1080	VBE-6101A
GGW-4801D	SP-1986	VBE-6105A
GGW-4801E	PU-1001	VBE-6101A
GGW-4801EN	PU-1001	VBE-6105A
GGW-4801F	PU-1152	VBE-6101A
GGW-4801S	None	

UNIT	APPLICATION
GGW-4801A, C, E	Studebaker
GGW-4801B	Hudson
GGW-4801D	Willys
GGW-4801EN	Kaiser
GGW-4801F	Hudson, Nash
GGW-4801S	Service Generator

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GGW-2001	1	Frame & Field Assy.
GDW-44	1	Washer, Ins., Arm. Term.
GGU-30	1	Washer, Ins., Field Term.
GGU-31	1	Washer, Plain, Field Term.
GGU-32	2	Bushing, Ins., Term, Stud
GGW-1005	1	COIL ASSY., FIELD, COMPLETE
GGU-27	1	Stud, Field Term., #10-32
GGU-28	1	Stud, Arm. Term., 1/4-28
GGU-40	1	Lead Assembly
X-3092	1	Terminal
GGW-1007	1	Coil, Field, Left
GGW-1008	1	Coil, Field, Right
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term.
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
GK-20A	2	Bolt, Thru
12X-196	1	Lockwasher, Ground Sc., #10
12X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

GGW-2002S	1	Head Assy., Comm. End
GAL-40C	1	Cover, Bearing, C. E.
GCJ-26	2	Arm, Brush
GGU-38A	1	BEARING, ABS. BRONZE
GGW-41	1	Wick, Felt
GGY-45	2	Spring, Brush
X-489	1	Oiler
GGY-2012BS	1	BRUSH SET, SERVICE
12X-195	2	Lockwasher, Lead Sc., #8
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
**	1	Nut, Arm. Shaft, D. E.
**	1	Spacer, Arm. Shaft
GGW-2006F	1	ARMATURE ASSY.
GAR-171	1	Snap Ring
GR-32	1	Retainer, Felt Washer
**	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
12X-864	1	Lockwasher, Shaft, D. E.

Drive End Head Assembly & Parts Used With

GGW-1072	1	Head Assy., Drive End
GBM-124	1	Gasket, Brg. Retainer
GBM-125	1	Retainer, Felt Washer, Inner
GBM-127	1	Retainer, Bearing
GBM-128	1	Retainer, Felt Washer, Outer
GG-164	2	Washer, Felt
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
GGW-72	1	Head, Drive End
12X-196	3	Lockwasher, Retainer Sc., #10
X-295	1	BEARING, BALL, S. A. E. #203
X-489	1	Oiler

Miscellaneous Parts

GGW-1024	1	Band, Cover

Note:-** CURRENT-VOLTAGE REGULATOR is used with but is not a part of the generator.

** See table following parts list for part number applying to assembly wanted.

Assembly Number	Nut	Spacer	Pulley	Regulator
GGW-4802A	GBM-21B	None	PU-1075	VBE-6104A
GGW-4802B	GBM-21B	None	PU-1164	VBE-6101A
GGW-4802C	SP-357B	GEG-55	PU-177	VBE-6101A

UNIT	APPLICATION
GGW-4802A, B, C	Hudson

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GGW-4803A GENERATOR PARTS LIST

GGW-4803A
(Issued 4-20-55)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GGW-2036	1	Frame & Field Assembly
GAR-21	1	Pin, Dowel
GDW-44	1	Washer, Ins., Arm. Term.
GGU-30	1	Washer, Ins., Field Term.
GGU-31	1	Washer, Plain, Field Term.
GGU-32	2	Bushing, Ins., Term. Stud
GGW-1005	1	COIL ASSY., FIELD, COMPLETE
GGU-27	1	Stud, Field Term., #10-32
GGU-28	1	Stud, Arm. Term., 1/4-28
GGU-40	1	Lead Assembly
X-3092	1	Terminal
GGW-1007	1	Coil, Field, Left
GGW-1008	1	Coil, Field, Right
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term.
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
GK-20A	2	Bolt, Thru
12X-196	1	Lockwasher, Grd. Screw, #10
12X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

GGW-2035S	1	Head Assy., Comm. End
GAL-40D	1	Cover, Bearing, C.E.
GGW-41	1	Wick, Felt
GGW-1035A	1	Head Assy., Partial, C.E.
GCJ-26	2	Arm, Brush
GGU-38A	1	BEARING, ABSORBENT BRONZE
GGY-45	2	Spring, Brush
X-489	1	Oiler
GGY-2012BS	1	BRUSH SET, SERVICE
12X-195	2	Lockwasher, Lead Screw, #8
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GBM-21B	1	Nut, Arm. Shaft, D.E.
GGW-2037F	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GR-32	1	Retainer, Felt Washer
PU-1017	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

GGW-1038	1	Head Assy., Drive End
GBM-124	1	Gasket, Brg. Retainer
GBM-125	1	Retainer, Felt Washer, Inner
GBM-127	1	Retainer, Bearing
GBM-128	1	Retainer, Felt Washer, Outer
GG-164	2	Washer, Felt
GGW-38	1	Head, Drive End
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
12X-196	3	Lockwasher, Retainer Screw, #10
X-295	1	BEARING, BALL, S.A.E. #203
X-489	1	Oiler

Miscellaneous Parts

GAL-24K	1	Band, Cover
X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

NOTE: VBE-6101A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GGW-4803A	Nash (Canada)

Printed in U.S.A.

File in
Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GGW-6001A, AN, B, C, D, E, F, G, H, J, K, L, P, P-1, Q, R, S, S1, S1N, V, W, W-1, X, Y

GENERATOR PARTS LIST

GGW-6001A, AN, B, C, D, E, F, G, H, J, K, L, P, P-1, Q, R, S, S1, S1N, V, W, W-1, X, Y
(Issued 1-12-56)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GDZ-71‡	1	Bracket, Gen. Mtg.
GGW-2001	1	Frame & Field Assembly
GDW-44	1	Washer, Ins., Arm. Term.
GGU-30	1	Washer, Ins., Field Term.
GGU-31	1	Washer, Plain, Field Term.
GGU-32	2	Bushing, Ins., Term. Stud
GGW-1005	1	COIL ASSY., FIELD, COMPLETE
GGU-27	1	Stud, Field Term., #10-32
GGU-28	1	Stud, Arm. Term., 1/4-28
GGU-40	1	Lead Assembly
X-3092	1	Terminal
GGW-1007	1	Coil, Field, Left
GGW-1008	1	Coil, Field, Right
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term.
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
GK-20A	2	Bolt, Thru
12X-196	1	Lockwasher, Ground Sc., #10
12X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16
8X-832‡	2	Nut, Bracket Sc., Hex. 5/16-24
8X-863‡	2	Screw, Mtg. Brkt., Hex. Hd. 5/16-24x1 1/4
12X-1014‡	2	Lockwasher, Bracket Sc., 5/16

Comm. End Head Assembly & Parts Used With

GGU-2012S	1	BRUSH SET, SERVICE
GGW-2002S	1	Head Assy., Comm. End
GAL-40C	1	Cover, Bearing, C.E.
GCJ-26	2	Arm, Brush
GGU-38A	1	BEARING, ABS. BRONZE
GGW-41	1	Wick, Felt
GGY-45	2	Spring, Brush
X-489	1	Oiler
12X-195	2	Lockwasher, Lead Sc., #8
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GBM-21B	1	Nut, Arm. Shaft, D.E.
*	1	Spacer, Arm. Shaft
GGW-2006F	1	ARMATURE ASSY.
GAR-171	1	Snap Ring
GR-32	1	Retainer, Felt Washer
*	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

GGW-1003	1	Head Assy., Drive End
GBM-124	1	Gasket, Brg. Retainer
GBM-125	1	Retainer, Felt Washer, Inner
GBM-127	1	Retainer, Bearing
GBM-128	1	Retainer, Felt Washer, Outer
GG-164	2	Washer, Felt
GGW-3	1	Head, Drive End
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
12X-196	3	Lockwasher, Retainer Sc., #10
X-295	1	BEARING, BALL, S.A.E. #203
X-489	1	Oiler

Miscellaneous Parts

GGW-1024	1	Band, Cover

‡ Used with GGW-6001G only.

NOTE: *CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

* See table following parts list for part number applying to assembly wanted.

(Continued on Reverse Side)

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Assembly No.	Pulley	Spacer	Regulator
GGW-6001A	SP-1936	None	VBE-6001A
GGW-6001AN	SP-1936	None	VBE-6003A
GGW-6001B	SP-1949	None	VBE-6001A
GGW-6001C	SP-1954	None	VBE-6001A
GGW-6001D	SP-955	GEG-55	VBE-6001A
GGW-6001E	SP-1958	None	VRP-4402C
GGW-6001F	SP-956	GEG-55	VRP-4402C
GGW-6001G	SP-963	GEG-55	VRP-4004P
GGW-6001H	SP-964	GEG-55	VBE-6001A
GGW-6001J	PU-1017	None	VBE-6001A
GGW-6001K	PU-1004	None	VBE-6001A
GGW-6001L	PU-1071	None	VBE-6001A
GGW-6001P	SP-1949	None	VBD-4001A
GGW-6001P-1	SP-1949	None	VRR-4008AX-1
GGW-6001Q	PU-1073	None	VBE-6001A
GGW-6001R	PU-36	GEG-55	VRP-4004P
GGW-6001S	None	GEG-55	
GGW-6001-S1	None	GEG-55	VBE-6001A
GGW-6001-S1N	None	None	VBE-6003A
GGW-6001V	SP-963	GEG-55	VRP-4004P
GGW-6001W	SP-1936	None	VRP-4004P
GGW-6001W-1	SP-1936	None	VBE-6103A
GGW-6001X	PU-1004	None	
GGW-6001Y	PU-83A	GEG-55	VRP-4004F (35Amp.) VRP-4004P (40Amp.)

UNIT	APPLICATION
GGW-6001A	Chrysler (6), De Soto, Dodge
GGW-6001AN	Chrysler Ind.
GGW-6001B, C	Dodge (Truck), Chrys. Ind.
GGW-6001D, L	Dodge (6)
GGW-6001E, F	Packard (8)
GGW-6001G, R	Diamond T
GGW-6001H	Dodge (Truck)
GGW-6001J, K	Chrysler, De Soto, Dodge, Dodge (Truck), Plymouth
GGW-6001P	Joy Mfg. (Can.)
GGW-6001P-1	Joy Mfg.
GGW-6001Q	Chrysler Ind., Dodge (6)
GGW-6001S	A-L Service
GGW-6001-S1, S1N	Chrysler Service
GGW-6001V, W, W-1	Buda
GGW-6001X	Wincharger Corp.
GGW-6001Y	Continental

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking su -parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GGW-2001C	1	Frame & Field Assy.
GDW-44	1	Washer, Ins., Arm. Term.
GGU-30	1	Washer, Ins., Field Term.
GGU-31	1	Washer, Plain, Field Term.
GGU-32	2	Bushing, Ins., Term. Stud
GGW-1005S	1	COIL ASSY., FIELD COMPLETE
GGU-27	1	Stud, Field Term., #10-32
GGU-28	1	Stud, Arm. Term., 1/4-28
GGU-40	1	Lead Assembly
X-3092	1	Terminal
GGW-1007S	1	Coil, Field, Left
GGW-1008S	1	Coil, Field, Right
GK-38	2	Screw Pole Shoe
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term.
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
GK-20A	2	Bolt, Thru
12X-196	1	Lockwasher, Ground Sc., #10
12X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

GGU-2012S	1	BRUSH SET, SERVICE
GGW-2002BS	1	Head Assy., Comm. End
GAL-40C	1	Cover, Bearing, C. E.
GCJ-26	2	Arm, Brush
GGU-38A	1	BEARING, ABS. BRONZE
GGW-41	1	Wick, Felt
GGY-45B	2	Spring, Brush
X-489	1	Oiler
12X-195	2	Lockwasher, Lead Sc., #8
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm. Shaft, D. E.
*	1	Spacer, Arm. Shaft
GGW-2006FF	1	ARMATURE ASSY.
GAR-171	1	Snap Ring

Armature Assembly & Parts (Cont.)

Part No.	No. Used	Name of Part
GR-32	1	Retainer, Felt Washer
*	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
12X-864	1	Lockwasher, Shaft, D. E.

Drive End Head Assembly & Parts Used With

GGW-1003C	1	Head Assy., Drive End
GBM-124	1	Gasket, Brg. Retainer
GBM-125	1	Retainer, Felt Washer Inner
GBM-127	1	Retainer, Bearing
GBM-128	1	Retainer, Felt Washer, Outer
GG-164	2	Washer, Felt
GGW-3C	1	Head, Drive End
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
12X-196	3	Lockwasher, Retainer Sc., #10
X-295	1	BEARING, BALL, S. A E. #203
X-489	1	Oiler

Miscellaneous Parts

GGW-1024S	1	Band, Cover

NOTE: VBE-6001AF CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

* See table following parts list for part number applying to assembly wanted.

Assembly No.	Spacer	Pulley
GGW-6001BF	None	SP-1949S
GGW-6001FF-S1	GEG-55	None
GGW-6001HF	GEG-55	SP-964S
GGW-6001KF	None	PU-1004S

UNIT	APPLICATION
GGW-6001BF, HF, KF	Dodge Tr.
GGW-6001FF-S1	Service Generator

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GGW-2001	1	Frame & Field Assembly
GDW-44	1	Washer, Ins., Arm. Term.
GGU-30	1	Washer, Ins., Field Term.
GGU-31	1	Washer, Plain, Field Term.
GGU-32	2	Bushing, Ins., Term. Stud
GGW-1005	1	COIL ASSEMBLY, FIELD, COMPLETE
GGU-27	1	Stud, Field Term., #10-32
GGU-28	1	Stud, Arm. Term., 1/4-28
GGU-40	1	Lead Assembly
X-3092	1	Terminal
GGW-1007	1	Coil, Field, Left
GGW-1008	1	Coil, Field, Right
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term.
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
GK-20A	2	Bolt, Thru
12X-196	1	Lockwasher, Ground Screw, #10
12X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

GGU-2012S	1	BRUSH SET, SERVICE
GGW-2002S	1	Head Assy., Comm. End
GAL-40C	1	Cover, C. E. Bearing
GCJ-26	2	Arm, Brush
GGU-38A	1	BEARING, ABS. BRONZE
GGW-41	1	Wick, Felt
GGY-45	2	Spring, Brush
X-489	1	Oiler
12X-195	2	Lockwasher, Lead Screw, #8
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm. Shaft, D. E.
GGW-40	1	Spacer, Arm. Shaft
GGW-2032F	1	ARMATURE
*	1	Pulley, Drive
X-263	1	Key, Woodruff, #8
12X-864	1	Lockwasher, Shaft, D. E.

Drive End Head Assembly & Parts Used With

Part No.	No. Used	Name of Part
GGW-1031	1	Head Assy., Drive End
GGF-9	2	Washer, Felt
GGF-10	1	Retainer, Felt Washer, Outer
GGF-11	1	Gasket, Bearing Retainer
GGF-12	1	Retainer, Felt Washer, Inner
GGF-13	1	Retainer, Bearing
GGW-31	1	Head, Drive End
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
12X-196	3	Lockwasher, Retainer Screw, #10
X-298	1	BEARING, BALL, S. A. E. #204
X-489	1	Oiler

Miscellaneous Parts

GGW-1024	1	Band, Cover

NOTE: VBE-6001A CURRENT VOLTAGE REGULATOR is used with but is not a part of this generator.

* See table following parts list for part number applying to assembly wanted.

Assembly No.	Pulley
GGW-6002A	SP-948
GGW-6002B	SP-959
GGW-6002C	PU-88
GGW-6002D	PU-142
GGW-6002E	PU-143
GGW-6002S	None
GGW-6002-S1	None

UNIT	APPLICATION
GGW-6002A	Dodge Truck & Chrysler Ind.
GGW-6002B	Chrysler Ind.
GGW-6002C, D, E	Dodge Truck
GGW-6002S	A-L Service
GGW-6002-S1	Chrysler Service

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GGW-2001)	1	Frame & Field Assy.
GDW-44	1	Washer, Ins., Arm. Term.
GGU-30	1	Washer, Ins., Field Term.
GGU-31	1	Washer, Plain, Field Term.
GGU-32	2	Bushing, Ins., Term. Stud
GGW-1005	1	COIL ASSY., FIELD, COMPLETE
GGU-27	1	Stud, Field Term., #10-32
GGU-28	1	Stud, Arm. Term., 1/4-28
GGU-40	1	Lead Assembly
X-3092	1	Terminal
GGW-1007	1	Coil, Field, Left
GGW-1008	1	Coil, Field, Right
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term.
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
GK-20A	2	Bolt, Thru
12X-196	1	Lockwasher, Ground Screw, #10
12X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

GGW-2027	1	Head Assy., Comm. End
GAL-40C	1	Cover, Bearing, C.E.
GGU-1012†	2	Brush
GGW-41	1	Wick, Felt
GGW-1027A	1	Head Assy., Partial, C.E.
GCJ-26	2	Arm, Brush
GGU-38A	1	BEARING, ABS. BRONZE
GGY-45	2	Spring, Brush
X-489	1	Oiler
12X-195	2	Lockwasher, Brush Lead Sc., #8
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GBM-21B	1	Nut, Arm. Shaft, D.E.
GGW-2006F	1	ARMATURE ASSY.
GAR-171	1	Snap Ring
GR-32	1	Retainer, Felt Washer
*	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

GGW-1003	1	Head Assy., Drive End
GBM-124	1	Gasket, Brg. Retainer
GBM-125	1	Retainer, Felt Washer, Inner
GBM-127	1	Retainer, Bearing
GBM-128	1	Retainer, Felt Washer, Outer
GG-164	2	Washer, Felt
GGW-3	1	Head, Drive End
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x3/8
12X-196	3	Lockwasher, Retainer Sc., #10
X-295	1	BEARING, BALL, S.A.E. #203
X-489	1	Oiler

Miscellaneous Parts

GGW-1024	1	Band, Cover

† BRUSH SET, SERVICE GGU-2012S.

NOTE: VRP-4402C CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

* See table following parts list for part number applying to assembly wanted.

Assembly No.	Pulley
GGW-6003A	SP-1990
GGW-6003S	None

UNIT	APPLICATION
GGW-6003A	Packard 8
GGW-6003S	Service Generator

(Issued 8-25-50)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GGW-2001)	1	Frame & Field Assy.
GDW-44	1	Washer, Ins., Arm. Term.
GGU-30	1	Washer, Ins., Field Term.
GGU-31	1	Washer, Plain, Field Term.
GGU-32	2	Bushing, Ins., Term. Stud
GGW-1005	1	COIL ASSY., FIELD COMPLETE
GGU-27	1	Stud, Field Term., #10-32
GGU-28	1	Stud, Arm. Term., 1/4-28
GGU-40	1	Lead Assembly
X-3092	1	Terminal
GGW-1007	1	Coil, Field, Left
GGW-1008	1	Coil, Field, Right
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
GK-20A	2	Bolt, Thru
12X-196	1	Lockwasher, Ground Sc., #10
12X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

GGU-53	1	Gasket, Brg. Retainer
GGU-1050	1	Retainer, Assy., Bearing
GGU-51	1	Retainer, Felt Washer
GGU-52	1	Washer, Felt
GGU-2012S	1	BRUSH SET, SERVICE
GGW-19	1	Retainer, Outer
GGW-2039S	1	Head Assy., Comm. End
GCJ-26	2	Arm, Brush
GGY-45	2	Spring, Brush
8X-118	4	Screw, Brg. Retainer, Fill. Hd. #10-32x3/4
12X-195	2	Lockwasher, Lead Sc., #8
12X-196	4	Lockwasher, Retainer Sc., #10
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler
X-3135	1	BEARING, BALL

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GBM-21B	1	Nut, Arm. Shaft, D.E.
GGW-40	1	Spacer, Arm. Shaft
GGW-2044F	1	ARMATURE
*	1	Pulley, Drive
X-263	1	Key, Woodruff, #8
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

GGW-1031	1	Head Assy., Drive End
GGF-9	2	Washer, Felt
GGF-10	1	Retainer, Felt Washer, Outer
GGF-11	1	Gasket, Brg. Retainer
GGF-12	1	Retainer, Felt Washer, Inner
GGF-13	1	Retainer, Bearing
GGW-31	1	Head, Drive End
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
12X-196	3	Lockwasher, Retainer Sc., #10
X-298	1	BEARING, BALL, S.A.E. #204
X-489	1	Oiler

Miscellaneous Parts

GGW-1024	1	Band, Cover

NOTE: VBE-6001A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

* See table following parts list for part number applying to assembly wanted.

Assembly No.	Pulley
GGW-6007A	PU-35
GGW-6007B	PU-40
GGW-6007C	PU-44
GGW-6007-S1	None

UNIT	APPLICATION
GGW-6007A	Chrysler (8), Dodge
GGW-6007B	De Soto, Chrysler (6)
GGW-6007C	
GGW-6007-S1	Service Gen.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GGW-6008B, B-A, C, D, E, F, F-A, G, H, J, K, L, P, S1 GENERATOR PARTS LIST GGW-6008B, B-A, C, D, E, F, F-A, G, H, J, K, L, P, S1 (Issued 1-13-56)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GGW-2001	1	Frame & Field Assembly
GDW-44	1	Washer, Ins., Arm. Term.
GGU-30	1	Washer, Ins., Field Term.
GGU-31	1	Washer, Plain, Field Term.
GGU-32	2	Bushing, Ins., Term. Stud
GGW-1005	1	COIL ASSEMBLY, FIELD, COMPLETE
GGU-27	1	Stud, Field Terminal, #10-32
GGU-28	1	Stud, Arm. Terminal, 1/4-28
GGU-40	1	Lead Assembly
X-3092	1	Terminal
GGW-1007	1	Coil, Field, Left
GGW-1008	1	Coil, Field, Right
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term.
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
GK-20A	2	Bolt, Thru
12X-196	1	Lockwasher, Ground Sc., #10
12X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

GGU-53	1	Gasket, Brg. Retainer
GGU-1050	1	Retainer, Assy., Bearing
GGU-51	1	Retainer, Felt Washer
GGU-52	1	Washer, Felt
GGU-2012S	1	BRUSH SET, SERVICE
GGW-19	1	Retainer, Outer
GGW-2039S	1	Head Assembly, Comm. End
GCJ-26	2	Arm, Brush
GGY-45	2	Spring, Brush
8X-118	4	Screw, Brg. Retainer, Fill. Hd. #10-32x3/4
12X-195	2	Lockwasher, Lead Screw, #8
12X-196	4	Lockwasher, Retainer Screw, #10
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler
X-3135	1	BEARING, BALL

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GBM-21B	1	Nut, Arm. Shaft, D. E.
*	1	Coupling
*	1	Spacer, Arm. Shaft
*	1	Washer, Coupling Screw
GGW-2045F	1	ARMATURE
*	1	Pulley, Drive
X-263	1	Key, Woodruff, #8
12X-864	1	Lockwasher, Shaft, D. E.
*	1	Screw, Coupling Mtg., 1/4-20

Drive End Head Assembly & Parts Used With

GGW-1031	1	Head Assembly, Drive End
GGF-9	2	Washer, Felt
GGF-10	1	Retainer, Felt Washer, Outer
GGF-11	1	Gasket, Brg. Retainer
GGF-12	1	Retainer, Felt Washer, Inner
GGF-13	1	Retainer, Bearing
GGW-31	1	Head, Drive End
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
12X-196	3	Lockwasher, Retainer Screw, #10
X-298	1	BEARING, BALL, S. A. E. #204
X-489	1	Oiler

Miscellaneous Parts

GGW-1024	1	Band, Cover

NOTE: VBE-6001A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

* See table following parts list for part number applying to assembly wanted.

(Continued on Reverse Side)

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GGW-6008B, B-A, C, D, E, F, F-A, G, H, J, K, L, P, S1 GENERATOR PARTS LIST (Cont.)

Assembly No.	Coupling	Spacer	Washer	Pulley	Screw
GGW-6008B	None	GGW-40	None	PU-45	None
GGW-6008B-A	GGW-87	GGW-40	GGW-88	PU-45	X-3226
GGW-6008C	None	GGW-40	None	PU-46	None
GGW-6008D	None	GGW-40	None	PU-54	None
GGW-6008E	None	GGW-40	None	PU-55	None
GGW-6008F	None	None	None	PU-1115	None
GGW-6008F-A	GGW-87	None	GGW-88	PU-1115	X-3226
GGW-6008G	None	GGW-40	None	PU-102	None
GGW-6008H	None	None	None	PU-1139	None
GGW-6008J	None	GGW-40	None	PU-94	None
GGW-6008K	None	GGW-40	None	PU-101	None
GGW-6008L	GGW-34	None	GGW-71	PU-1115	X-3187
GGW-6008P	None	GGW-40	None	PU-166	None
GGW-6008-S1	None	GGW-40	None	None	None

UNIT	APPLICATION
GGW-6008B, J	Chrysler (6), DeSoto (6 & 8)
GGW-6008B-A, L	Chrysler (6) Canada, DeSoto (6) Canada
GGW-6008C	DeSoto (6 & 8)
GGW-6008D, E, H	Chrysler (6 & 8) DeSoto (6 & 8)
GGW-6008F	DeSoto (6 & 8), Dodge (6)
GGW-6008F-A	Chrysler Corp. (Canada)
GGW-6008G	Chrysler (6 & 8), DeSoto (6 & 8), Dodge (6)
GGW-6008K, P	Dodge (Truck)
GGW-6008-S1	Service Generator

Printed in U. S. A.

File in Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking su -parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GGW-2001	1	Frame & Field Assy.
GDW-44	1	Washer, Ins., Arm. Term.
GGU-30	1	Washer, Ins., Field Term.
GGU-31	1	Washer, Plain, Field Term.
GGU-32	2	Bushing, Ins., Term. Stud
GGW-1005	1	COIL ASSY., FIELD, COMPLETE
GGU-27	1	Stud, Field Term., #10-32
GGU-28	1	Stud, Arm. Term., 1/4-28
GGU-40	1	Lead Assembly
X-3092	1	Terminal
GGW-1007	1	Coil, Field, Left
GGW-1008	1	Coil, Field, Right
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term.
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
GK-20A	2	Bolt, Thru
12X-196	1	Lockwasher, Ground, Sc., #10
12X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

GGU-2012S	1	BRUSH SET, SERVICE
GGW-2002S	1	Head Assy., Comm. End
GAL-40C	1	Cover, Bearing, C.E.
GCJ-26	2	Arm, Brush
GGU-38A	1	BEARING, ABS. BRONZE
GGW-41	1	Wick, Felt
GGY-45	2	Spring, Brush
X-489	1	Oiler
12X-195	2	Lockwasher, Lead Sc., #8
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm. Shaft, D.E.
GGW-2006F	1	ARMATURE ASSY.
GAR-171	1	Snap Ring
GR-32	1	Retainer, Felt Washer
*	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

Part No.	No. Used	Name of Part
GGW-1072	1	Head Assy., Drive End
GBM-124	1	Gasket, Brg. Retainer
GBM-125	1	Retainer, Felt Washer, Inner
GBM-127	1	Retainer, Bearing
GBM-128	1	Retainer, Felt Washer, Outer
GG-164	2	Washer, Felt
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
GGW-72	1	Head, Drive End
12X-196	3	Lockwasher, Retainer Sc., #10
X-295	1	BEARING, BALL, S.A.E. #203
X-489	1	Oiler

Miscellaneous Parts

GGW-1024	1	Band, Cover

NOTE: VBE-6001A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator

* See table following parts list for part number applying to assembly wanted.

Assembly No.	Pulley
GGW-6009A	PU-1073
GGW-6009B	PU-1071
GGW-6009-S1	None

UNIT	APPLICATION
GGW-6009A,B GGW-6009-S1	Dodge (8) Service Generator

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GGW-2001	1	Frame & Field Assy.
GDW-44	1	Washer, Ins., Arm. Term.
GGU-30	1	Washer, Ins., Field Term.
GGU-31	1	Washer, Plain, Field Term.
GGU-32	2	Bushing, Ins., Term. Stud
GGW-1005	1	COIL ASSY., FIELD; COMPLETE
GGU-27	1	Stud, Field Term., #10-32
GGU-28	1	Stud, Arm. Term., 1/4-28
GGU-40	1	Lead Assembly
X-3092	1	Terminal
GGW-1007	1	Coil, Field, Left
GGW-1008	1	Coil, Field, Right
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term.
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
GK-20A	2	Bolt, Thru
12X-196	1	Lockwasher, Ground Sc., #10
12X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

GGU-2012S	1	BRUSH SET, SERVICE
GGW-2002S	1	Head Assy., Comm. End
GAL-40C	1	Cover, Bearing, C.E.
GCJ-26	2	Arm, Brush
GGU-38A	1	BEARING, ABS. BRONZE
GGW-41	1	Wick, Felt
GGY-45	2	Spring, Brush
X-489	1	Oiler
12X-195	2	Lockwasher, Lead Sc., #8
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm. Shaft, D.E.
GGW-2006F	1	ARMATURE ASSY.
GAR-171	1	Snap Ring
GR-32	1	Retainer, Felt Washer
*	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

Part No.	No. Used	Name of Part
GGW-1078	1	Head Assy., Drive End
GBM-124	1	Gasket, Brg. Retainer
GBM-125	1	Retainer, Felt Washer Inner
GBM-127	1	Retainer, Bearing
GBM-128	1	Retainer, Felt Washer, Outer
GG-164	2	Washer, Felt
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
GGW-78	1	Head, Drive End
12X-196	3	Lockwasher, Retainer Sc., #10
X-295	1	BEARING, BALL, S.A.E. #203
X-489	1	Oiler

Miscellaneous Parts

GGW-1024	1	Band, Cover

NOTE: VBE-6001A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

* See table following parts list for part number applying to assembly wanted.

Assembly No.	Pulley
GGW-6010A	PU-1073
GGW-6010B	PU-1071
GGW-6010C	SP-1954
GGW-6010-S1	None

UNIT	APPLICATION
GGW-6010A, B	Dodge (8)
GGW-6010C	
GGW-6010-S1	Service Gen.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GGW-2001	1	Frame & Field Assembly
GDW-44	1	Washer, Ins., Arm. Term.
GGU-30	1	Washer, Ins., Field Term.
GGU-31	1	Washer, Plain, Field Term.
GGU-32	2	Bushing, Ins., Term. Stud
GGW-1005	1	COIL ASSEMBLY, FIELD, COMPLETE
GGU-27	1	Stud, Field Term., #10-32
GGU-28	1	Stud, Arm. Term., 1/4-28
GGU-40	1	Lead Assembly
X-3092	1	Terminal
GGW-1007	1	Coil, Field, Left
GGW-1008	1	Coil, Field, Right
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term.
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
GK-20A	2	Bolt, Thru
12X-196	1	Lockwasher, Ground Screw, #10
12X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

DA-22	1	Washer, Brg. Retaining
DA-39	1	Washer, Plain, Felt Retaining
DA-60	1	Screw, Brg. Retaining
DA-132	1	Washer, Felt
GBJ-25	1	Gasket, Cover
GBJ-32A	1	Cover, Comm. End
GGU-2012S	1	BRUSH SET, SERVICE
GGW-2047S	1	Head Assembly, Comm. End
GCJ-26	2	Arm, Brush
GGY-45	2	Spring, Brush
12X-195	2	Lockwasher, Lead Screw, #8
12X-196	3	Lockwasher, Cover Screw, #10
12X-199	1	Lockwasher, Brg. Retaining Screw, 1/4
X-295	1	BEARING, BALL, S. A. E. #203
8X-305	2	Screw, Br. Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler
8X-870	3	Screw, Cover, Fill. Hd. #10-32x5/16

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GBM-21B	1	Nut, Arm. Shaft, D. E.
GGW-40	1	Spacer, Arm. Shaft
GGW-2046F	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GR-32	1	Retainer, Felt Washer
*	1	Pulley, Drive
X-263	1	Key, Woodruff, #8
12X-864	1	Lockwasher, Shaft, D. E.

Drive End Head Assembly & Parts Used With

GGW-1031	1	Head Assembly, Drive End
GGF-9	2	Washer, Felt
GGF-10	1	Retainer, Felt Washer, Outer
GGF-11	1	Gasket, Brg. Retainer
GGF-12	1	Retainer, Felt Washer, Inner
GGF-13	1	Retainer, Bearing
GGW-31	1	Head, Drive End
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
12X-196	3	Lockwasher, Retainer Screw, #10
X-298	1	BEARING, BALL, S. A. E. #204
X-489	1	Oiler

Miscellaneous Parts

GGW-1024	1	Band, Cover

NOTE: VBE-6001A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

* See table following parts list for part number applying to assembly wanted.

Assembly No.	Pulley
GGW-6011A	PU-88
GGW-6011B	PU-142
GGW-6011-S1	None

UNIT	APPLICATION
GGW-6011A, B	Dodge (Truck)
GGW-6011-S1	Service Generator

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GGW-2001	1	Frame & Field Assembly
GDW-44	1	Washer, Ins., Arm. Term.
GGU-30	1	Washer, Ins., Field Term.
GGU-31	1	Washer, Plain, Field Term.
GGU-32	2	Bushing, Ins., Term. Stud
GGW-1005	1	COIL ASSY., FIELD, COMPLETE
GGU-27	1	Stud, Field Term., #10-32
GGU-28	1	Stud, Arm. Term., 1/4-28
GGU-40	1	Lead Assembly
X-3092	1	Terminal
GGW-1007	1	Coil, Field, Left
GGW-1008	1	Coil, Field, Right
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term.
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
GK-20A	2	Bolt, Thru
12X-196	1	Lockwasher, Ground Screw, #10
12X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

GGU-2012S	1	BRUSH SET, SERVICE
GGW-2079S	1	Head Assy., Comm. End
GAL-40C	1	Cover, Bearing, C.E.
GCJ-26	2	Arm, Brush
GGU-38A	1	BEARING, ABS. BRONZE
GGW-41	1	Wick, Felt
GGY-45	2	Spring, Brush
X-489	1	Oiler
12X-195	2	Lockwasher, Lead Screw, #8
8X-305	2	Screw, Br. Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm. Shaft, D.E.
GGW-2006F	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GR-32	1	Retainer, Felt Washer
*	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

Part No.	No. Used	Name of Part
GGW-1078	1	Head Assembly, Drive End
GBM-124	1	Gasket, Brg. Retainer
GBM-125	1	Retainer, Felt Washer, Inner
GBM-127	1	Retainer, Bearing
GBM-128	1	Retainer, Felt Washer, Outer
GG-164	2	Washer, Felt
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
GGW-78	1	Head, Drive End
12X-196	3	Lockwasher, Retainer Sc., #10
X-295	1	BEARING, BALL, S.A.E. #203
X-489	1	Oiler

Miscellaneous Parts

GGW-1024	1	Band, Cover

NOTE: VBE-6001A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

* See table following parts list for part number applying to assembly wanted.

Assembly No.	Pulley
GGW-6012A	PU-1073
GGW-6012B	PU-1071
GGW-6012-S1	None

UNIT	APPLICATION
GGW-6012A	Dodge (8), Dodge (Tr.)
GGW-6012B	Dodge (8)
GGW-6012-S1	Service Generator

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GGW-6013A, S-1 GENERATOR PARTS LIST

GGW-6013A, S1
(Issued 8-26-53)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GGW-2001	1	Frame & Field Assembly
GDW-44	1	Washer, Ins., Arm. Term.
GGU-30	1	Washer, Ins., Field Term.
GGU-31	1	Washer, Plain, Field Term.
GGU-32	2	Bushing, Ins., Term. Stud
GGW-1005	1	COIL ASSY., FIELD, COMPLETE
GGU-27	1	Stud, Field Term., #10-32
GGU-28	1	Stud, Arm. Term., 1/4-28
GGU-40	1	Lead Assembly
X-3092	1	Terminal
GGW-1007	1	Coil, Field, Left
GGW-1008	1	Coil, Field, Right
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term.
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
GK-20A	2	Bolt, Thru
12X-196	1	Lockwasher, Ground Screw, #10
12X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

GGU-2012S	1	BRUSH SET, SERVICE
GGW-2079S	1	Head Assy., Comm. End
GAL-40C	1	Cover, Bearing, C.E.
GCJ-26	2	Arm, Brush
GGU-38A	1	BEARING, ABS. BRONZE
GGW-41	1	Wick, Felt
GGY-45	2	Spring, Brush
X-489	1	Oiler
12X-195	2	Lockwasher, Lead Screw, #8
8X-305	2	Screw, Br. Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm. Shaft, D.E.
GGW-40	1	Spacer, Arm. Shaft
GGW-2032F	1	ARMATURE ASSY.
*	1	Pulley, Drive
X-263	1	Key, Woodruff, #8
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

Part No.	No. Used	Name of Part
GGW-1082	1	Head Assembly, Drive End
GGF-9	2	Washer, Felt
GGF-10	1	Retainer, Felt Washer, Outer
GGF-11	1	Gasket, Brg. Retainer
GGF-12	1	Retainer, Felt Washer, Inner
GGF-13	1	Retainer, Bearing
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
GGW-82	1	Head, Drive End
12X-196	3	Lockwasher, Retainer Sc., #10
X-298	1	BEARING, BALL, S.A.E. #204
X-489	1	Oiler

Miscellaneous Parts

GGW-1024	1	Band, Cover

NOTE: VBE-6001A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

* See table following parts list for part number applying to assembly wanted.

Assembly No.	Pulley
GGW-6013A	PU-103
GGW-6013-S1	None

UNIT	APPLICATION
GGW-6013A GGW-6013-S1	Dodge (Truck) Service Generator

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GGW-2001	1	Frame & Field Assembly
GDW-44	1	Washer, Ins., Arm. Term.
GGU-30	1	Washer, Ins., Field Term.
GGU-31	1	Washer, Plain, Field Term.
GGU-32	2	Bushing, Ins., Term. Stud
GGW-1005	1	COIL ASSEMBLY, FIELD, COMPLETE
GGU-27	1	Stud, Field Term., #10-32
GGU-28	1	Stud, Arm. Term., 1/4-28
GGU-40	1	Lead Assembly
X-3092	1	Terminal
GGW-1007	1	Coil, Field, Left
GGW-1008	1	Coil, Field, Right
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term.
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
GK-20A	2	Bolt, Thru
12X-196	1	Lockwasher, Ground, Sc. #10
12X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

GGU-53	1	Gasket, Brg. Retainer
GGU-1050	1	Retainer Assy., Bearing
GGU-51	1	Retainer, Felt Washer
GGU-52	1	Washer, Felt
GGU-2012S	1	BRUSH SET, SERVICE
GGW-19	1	Retainer, Outer
GGW-2039S	1	Head Assy., Comm. End
GCJ-26	2	Arm, Brush
GGY-45	2	Spring, Brush
8X-118	4	Screw, Brg. Retainer, Fill. Hd. #10-32x3/4
12X-195	2	Lockwasher, Lead Screw, #8
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler
X-3135	1	BEARING, BALL
12X-3192	4	Lockwasher, Retainer Sc. #10

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm. Shaft, D. E.
*	1	Spacer, Arm. Shaft
GGW-87‡	1	Coupling

Armature Assembly (Continued)

Part No.	No. Used	Name of Part
GGW-88‡	1	Washer, Coupling Screw
GGW-2045F	1	ARMATURE
*	1	Pulley, Drive
X-263	1	Key, Woodruff, #8
12X-864	1	Lockwasher, Shaft, D.E.
X-3226‡	1	Screw, Coupling Mtg., Hex. Hd. 1/4-20x5/8

Drive End Head Assembly & Parts Used With

GGW-1082	1	Head Assy., Drive End
GGF-9	2	Washer, Felt
GGF-10	1	Retainer, Felt Washer, Outer
GGF-11	1	Gasket, Brg. Retainer
GGF-12	1	Retainer, Felt Washer, Inner
GGF-13	1	Retainer, Bearing
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
GGW-82	1	Head, Drive End
12X-196	3	Lockwasher, Retainer Screw, #10
X-298	1	BEARING, BALL, S.A.E. #204
X-489	1	Oiler

Miscellaneous Parts

GGW-1024	1	Band, Cover

NOTE: VBE-6001A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

‡ Used on GGW-6014A-A only.

* See table following parts list for part number applying to assembly wanted.

Assembly No.	Pulley	Spacer
GGW-6014A	PU-1139	None
GGW-6014A-A	PU-1139	None
GGW-6014B	PU-94	GGW-40
GGW-6014E	PU-167	GGW-40
GGW-6014-S1	None	GGW-40

UNIT	APPLICATION
GGW-6014A, A-A, B	Dodge (8)
GGW-6014E	Dodge Truck
GGW-6014-S1	Service Generator

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GGW-6016A, C, D, E, F, G, HA, S1 GENERATOR PARTS LIST

GGW-6016A, C, D, E, F, G, HA, S1
(Issued 9-17-56)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GGW-2001	1	Frame & Field Assembly
GDW-44	1	Washer, Ins., Arm. Term.
GGU-30	1	Washer, Ins., Field Term.
GGU-31	1	Washer, Plain, Field Term.
GGU-32	2	Bushing, Ins., Term. Stud
GGW-1005	1	COIL ASSEMBLY, FIELD, COMPLETE
GGU-27	1	Stud, Field Term., #10-32
GGU-28	1	Stud, Arm. Term., 1/4-28
GGU-40	1	Lead Assembly
X-3092	1	Terminal
GGW-1007	1	Coil, Field, Left
GGW-1008	1	Coil, Field, Right
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term.
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
GK-20A	2	Bolt, Thru
12X-196	1	Lockwasher, Ground Sc., #10
12X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

DA-39	1	Washer, Plain, Felt Retaining
DA-132	1	Washer, Felt
GGW-93	1	Retainer, Outer
GGW-2012S	1	BRUSH SET, SERVICE
GGW-2089S	1	Head Assy., Comm. End
GGW-97	2	Arm, Brush
GGY-45	2	Spring, Brush
12X-195	2	Lockwasher, Lead Sc., #8
X-295	1	BEARING, BALL, S. A. E. #203
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm, Shaft, D. E.
*	1	Spacer, Arm. Shaft
GGW-88‡	1	Washer, Coupling Screw
GGW-91	1	Retainer, Felt Washer, D. E.
GGW-99‡	1	Coupling
GGW-2090F	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring, C. E.
GGW-92	1	Snap Ring, D. E.

Armature Assembly & Parts (Continued)

Part No.	No. Used	Name of Part
GR-32	1	Retainer, Felt Washer, C. E.
*	1	Pulley, Drive
X-263	1	Key, Woodruff, #8
12X-864	1	Lockwasher, Shaft, D. E.
X-3226‡	1	Screw, Coupling Mtg., Hex. Hd. 1/4-20x5/8

Drive End Head Assembly & Parts Used With

GGW-1031	1	Head Assy., Drive End
GGF-9	2	Washer, Felt
GGF-10	1	Retainer, Felt Washer, Outer
GGF-11	1	Gasket, Brg. Retainer
GGF-12	1	Retainer, Felt Washer, Inner
GGF-13	1	Retainer, Bearing
GGW-31	1	Head, Drive End
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
12X-196	3	Lockwasher, Retainer Screw, #10
X-298	1	BEARING, BALL, S. A. E. #204
X-489	1	Oiler

Miscellaneous Parts

GGW-1024	1	Band, Cover

NOTE: VBE-6001A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

‡ Used only with GGW-6016E, F, HA

* See table following parts list for part number applying to assembly wanted.

Assembly No.	Spacer	Pulley
GGW-6016A	None	PU-1115
GGW-6016C	GGW-40	PU-45
GGW-6016D	GGW-40	PU-54
GGW-6016E	None	PU-1115
GGW-6016F	GGW-40	PU-45
GGW-6016G	GGW-40	PU-102
GGW-6016HA	GGW-40	PU-166
GGW-6016-S1	GGW-40	None

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GGW - 6016A, C, D, E, F, G, HA, S1 GENERATOR PARTS LIST
(Continued)

UNIT	APPLICATION
GGW - 6016A	DeSoto (8), Dodge (6 & 8) Plymouth (6 & 8)
GGW - 6016C	DeSoto (8), Dodge (8), Plymouth (8)
GGW - 6016D	Chrysler (8)
GGW - 6016E	Chrysler Corp. (Canada)
GGW - 6016F	Chrysler (8) Canada
GGW - 6016G	
GGW - 6016HA	Dodge Tr. (Canada)
GGW - 6016 - S1	Service Generator

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking su -parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GGW-2001	1	Frame & Field Assembly
GDW-44	1	Washer, Ins., Arm. Term.
GGU-30	1	Washer, Ins., Field Term.
GGU-31	1	Washer, Plain, Field Term.
GGU-32	2	Bushing, Ins., Term. Stud
GGW-1005	1	COIL ASSEMBLY, FIELD, COMPLETE
GGU-27	1	Stud, Field Term., #10-32
GGU-28	1	Stud, Arm. Term., 1/4-28
GGU-40	1	Lead Assembly
X-3092	1	Terminal
GGW-1007	1	Coil, Field, Left
GGW-1008	1	Coil, Field, Right
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term.
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
GK-20A	2	Bolt, Thru
12X-196	1	Lockwasher, Ground Sc., #10
12X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

DA-22	1	Washer, Brg. Retaining
DA-39	1	Washer, Plain, Felt Retaining
DA-60	1	Screw, Brg. Retaining
DA-132	1	Washer, Felt
GBJ-25	1	Gasket, Cover
GBJ-32A	1	Cover, Comm. End
GGU-2012S	1	BRUSH SET, SERVICE
GGW-2047S	1	Head Assy., Comm. End
GCJ-26	2	Arm, Brush
GGY-45	2	Spring, Brush
12X-195	2	Lockwasher, Lead Sc., #8
12X-196	3	Lockwasher, Cover Sc., #10
12X-199	1	Lockwasher, Brg. Retaining Screw, 1/4
X-295	1	BEARING, BALL, S. A. E. #203
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler
8X-870	3	Screw, C. E. Cover, Fill. Hd. #10-32x5/16

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GBM-21B	1	Nut, Arm. Shaft, D. E.
GGW-40	1	Spacer, Arm. Shaft
GGW-91	1	Retainer, Felt Washer, D. E.
GGW-2098F	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring, C. E.
GGW-92	1	Snap Ring, D. E.
GR-32	1	Retainer, Felt Washer, C. E.
*	1	Pulley, Drive
X-263	1	Key, Woodruff, #8
12X-864	1	Lockwasher, Shaft, D. E.

Drive End Head Assembly & Parts Used With

GGW-1031	1	Head Assy., Drive End
GGF-9	2	Washer, Felt
GGF-10	1	Retainer, Felt Washer, Outer
GGF-11	1	Gasket, Brg. Retainer
GGF-12	1	Retainer, Felt Washer, Inner
GGF-13	1	Retainer, Bearing
GGW-31	1	Head, Drive End
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
12X-196	3	Lockwasher, Retainer Sc., #10
X-298	1	BEARING, BALL, S. A. E. #204
X-489	1	Oiler

Miscellaneous Parts

GGW-1024	1	Band, Cover

NOTE: VBE-6001A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

* See table following parts list for part number applying to assembly wanted.

Assembly No.	Pulley
GGW-6017A	PU-45
GGW-6017B	PU-54
GGW-6017-S1	None

UNIT	APPLICATION
GGW-6017A	DeSoto (8), Dodge (8)
GGW-6017B	Chrysler (8)
GGW-6017-S1	Service Generator

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GGW-6018A GENERATOR PARTS LIST

GGW-6018A
(Issued 4-20-55)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GGW-2001	1	Frame & Field Assembly
GDW-44	1	Washer, Ins., Arm. Term.
GGU-30	1	Washer, Ins., Field Term.
GGU-31	1	Washer, Plain, Field Term.
GGU-32	2	Bushing, Ins., Term. Stud
GGW-1005	1	COIL ASSEMBLY, FIELD, COMPLETE
GGU-27	1	Stud, Field Term., #10-32
GGU-28	1	Stud, Arm. Term., 1/4-28
GGU-40	1	Lead Assembly
X-3092	1	Terminal
GGW-1007	1	Coil, Field, Left
GGW-1008	1	Coil, Field, Right
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term.
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
GK-20A	2	Bolt, Thru
12X-196	1	Lockwasher, Ground Sc., #10
12X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

GGU-2012S	1	BRUSH SET, SERVICE
GGW-2079S	1	Head Assy., Comm. End
GAL-40C	1	Cover, Bearing, C.E.
GCJ-26	2	Arm, Brush
GGU-38A	1	BEARING, ABSORBENT BRONZE
GGW-41	1	Wick, Felt
GGY-45	2	Spring, Brush
X-489	1	Oiler
12X-195	2	Lockwasher, Lead Screw, #8
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GBM-21B	1	Nut, Arm. Shaft, D.E.
GGW-2006F	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GR-32	1	Retainer, Felt Washer
PU-36	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

GGW-1003	1	Head Assy., Drive End
GBM-124	1	Gasket, Brg. Retainer
GBM-125	1	Retainer, Felt Washer, Inner
GBM-127	1	Retainer, Bearing
GBM-128	1	Retainer, Felt Washer, Outer
GG-164	2	Washer, Felt
GGW-3	1	Head, Drive End
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
12X-196	3	Lockwasher, Retainer Screw, #10
X-295	1	BEARING, BALL, S.A.E. #203
X-489	1	Oiler

Miscellaneous Parts

GGW-1024	1	Band, Cover

NOTE: VRP-4004P CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GGW-6018A	Diamond T

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GGW-2001	1	Frame & Field Assembly
GDW-44	1	Washer, Ins., Arm. Term.
GGU-30	1	Washer, Ins., Field Term.
GGU-31	1	Washer, Plain, Field Term.
GGU-32	2	Bushing, Ins., Term. Stud
GGW-1005	1	COIL ASSEMBLY, FIELD, COMPLETE
GGU-27	1	Stud, Field Term., #10-32
GGU-28	1	Stud, Arm. Term., 1/4-28
GGU-40	1	Lead Assembly
X-3092	1	Terminal
GGW-1007	1	Coil, Field, Left
GGW-1008	1	Coil, Field, Right
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term.
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
GK-20A	2	Bolt, Thru
12X-196	1	Lockwasher, Ground Screw, #10
12X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

GGU-2012S	1	BRUSH SET, SERVICE
GGW-2002S	1	Head Assy., Comm. End
GAL-40C	1	Cover, Bearing, C.E.
GCJ-26	2	Arm, Brush
GGU-38A	1	BEARING, ABS. BRONZE
GGW-41	1	Wick, Felt
GGY-45	2	Spring, Brush
X-489	1	Oiler
12X-195	2	Lockwasher, Lead Screw, #8
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GBM-21B	1	Nut, Arm. Shaft, D.E.
GEG-55	1	Spacer, Arm. Shaft
GGW-3006F	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GR-32	1	Retainer, Felt Washer
*	1	Pully , Drive
X-260	1	Key, Woodruff, #5
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

GGW-1003	1	Head Assy., Drive End
GBM-124	1	Gasket, Brg. Retainer
GBM-125	1	Retainer, Felt Washer, Inner
GBM-127	1	Retainer, Bearing
GBM-128	1	Retainer, Felt Washer, Outer
GG-164	2	Washer, Felt
GGW-3	1	Head, Drive End
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
12X-196	3	Lockwasher, Retainer Screw, #10
X-295	1	BEARING, BALL, S.A.E. #203
X-489	1	Oiler

Miscellaneous Parts

GGW-1024	1	Band, Cover

NOTE: VBE-6001A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

* See table following parts list for part number applying to assembly wanted.

Assembly No.	Pulley
GGW-6019A	PU-163
GGW-6019-S1	None

UNIT	APPLICATION
GGW-6019A GGW-6019-S1	Chrysler (Ind.) Service Generator

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GGW-3001	1	Frame & Field Assembly
GDW-44	1	Washer, Ins., Arm. Term.
GGU-30	1	Washer, Ins., Field Term.
GGU-31	1	Washer, Plain, Field Term.
GGU-32	2	Bushing, Ins., Term. Stud
GGW-2005	1	COIL ASSEMBLY, FIELD, COMPLETE
GGU-27	1	Stud, Field Term., #10-32
GGU-28	1	Stud, Arm. Term., 1/4-28
GGU-40	1	Lead Assembly
X-3092	1	Terminal
GGW-1007D	1	Coil, Field, Right
GGW-1008D	1	Coil, Field, Left
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term.
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
GK-20A	2	Bolt, Thru
12X-196	1	Lockwasher, Grd. Screw, #10
12X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

DA-22	1	Washer, Brg. Retaining
DA-39	1	Washer, Plain, Felt Retaining
DA-60	1	Screw, Brg. Retaining
DA-132	1	Washer, Felt
GBJ-25	1	Gasket, Cover
GBJ-32A	1	Cover, Comm. End
GBW-2012AS	1	BRUSH SET, SERVICE
GGW-2047S	1	Head Assy., Comm. End
GCJ-26	2	Arm, Brush
GGY-45	2	Spring, Brush
12X-195	2	Lockwasher, Lead Screw, #8
12X-196	3	Lockwasher, Cover Screw, #10
12X-199	1	Lockwasher, Brg. Retaining Screw, 1/4

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
X-295	1	BEARING, BALL, S. A. E. #203
8X-305	2	Screw, Br. Lead, Rd. Hd. #8-32x1/4
8X-870	3	Screw, C. E. Cover, Fill. Hd. #10-32x5/16
X-2961	1	Oiler

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm. Shaft, D. E.
GGW-2101FM	1	ARMATURE ASSEMBLY
GAR-171	2	Snap Ring
GR-32	2	Retainer, Felt Washer
PU-1001	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
12X-864	1	Lockwasher, Shaft, D. E.

Drive End Head Assembly & Parts Used With

GGW-1003D	1	Head Assy., Drive End
GBM-124	1	Gasket, Brg. Retainer
GBM-125	1	Retainer, Felt Washer, Inner
GBM-127	1	Retainer, Bearing
GBM-128	1	Retainer, Felt Washer, Outer
GG-164	2	Washer, Felt
GGW-3	1	Head, Drive End
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
12X-196	3	Lockwasher, Retainer Screw, #10
X-295	1	BEARING, BALL, S. A. E. #203
X-2961	1	Oiler

Miscellaneous Parts

GGW-1024	1	Band, Cover

UNIT	APPLICATION
GGW-6020A	General Electric

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
DK-23C	2	Bolt, Thru
(GGU-2001)	1	Frame & Field Assembly
GBY-38A	2	Screw, Pole Shoe
GDW-44	1	Washer, Ins., Arm. Term.
GGU-30	1	Washer, Ins., Field Term.
GGU-31	1	Washer, Plain, Field Term.
GGU-32	2	Bushing, Ins., Term. Stud
GGU-1005	1	COIL ASSY., FIELD, COMPLETE
GGU-27	1	Stud, Field Term., #10-32
GGU-28	1	Stud, Arm. Term., 1/4-28
GGU-40	1	Lead Assembly
X-3092	1	Terminal
GGU-1007	1	Coil, Field, Left
GGU-1008	1	Coil, Field, Right
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term.
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
12X-196	1	Lockwasher, Ground Sc., #10
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16
12X-1014	2	Lockwasher, Thru Bolt, 5/16

Comm. End Head Assembly & Parts Used With

GGU-2002	1	Head Assy., Comm. End
GGU-33	1	Gasket, C.E. Cover
GGU-34	1	Cover, Comm. End
GGU-41	1	Wick, Felt
GGU-1002A	1	Head Assy., Partial, C.E.
GBW-45	2	Spring, Brush
GCJ-26	2	Arm, Brush
GGU-38A	1	BEARING, ABS. BRONZE
GGU-1012†	2	Brush
12X-195	3	Lockwasher, Cover Sc., #8
X-489	1	Oiler
8X-886	3	Screw, C.E. Cover, Fill. Hd. #8-32x5/16
12X-195	2	Lockwasher, Lead Sc., #8
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GBM-21B	1	Nut, Arm. Shaft, D.E.
GGZ-2006F	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GR-32	1	Washer, Felt
*	1	Pulley, Drive
X-261	1	Key, Woodruff, #6
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

GGU-1003	1	Head Assy., Drive End
GBM-124	1	Gasket, Brg. Retainer
GBM-125	1	Retainer, Felt Washer, Inner
GBM-127	1	Retainer, Bearing
GBM-128	1	Retainer, Felt Washer, Outer
GG-164	2	Washer, Felt
GGU-3	1	Head, Drive End
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
12X-196	3	Lockwasher, Retainer Sc., #10
X-295	1	BEARING, BALL, S.A.E. #203
X-489	1	Oiler

Miscellaneous Parts

GCE-24	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GGU-2012S.

* See table following parts list for part number applying to assembly wanted.

NOTE: VRP-4503C CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

Assembly No.	Pulley
GGZ-6001A	SP-894
GGZ-6001B	SP-1913
GGZ-6001C	SP-1977
GGZ-6001-S1	None

UNIT	APPLICATION
GGZ-6001A, B, C, -S1	Dodge (Truck)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
DK-23C	2	Bolt, Thru
GGU-2001	1	Frame & Field Assembly
GBY-38A	2	Screw, Pole Shoe
GDW-44	1	Washer, Ins., Arm. Term.
GGU-30	1	Washer, Ins., Field Term.
GGU-31	1	Washer, Plain, Field Term.
GGU-32	2	Bushing, Ins., Term. Stud
GGU-1005	1	COIL ASSY., FIELD COMPLETE
GGU-27	1	Stud, Field Term., #10-32
GGU-28	1	Stud, Arm. Term., 1/4-28
GGU-40	1	Lead Assembly
X-3092	1	Terminal
GGU-1007	1	Coil, Field, Left
GGU-1008	1	Coil, Field, Right
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term.
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
12X-196	1	Lockwasher, Ground Screw, #10
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16
12X-1014	2	Lockwasher, Thru Bolt, 5/16

Comm. End Head Assembly & Parts Used With

GGU-2002S	1	Head Assy., Comm. End
GGU-33	1	Gasket, C.E. Cover
GGU-34	1	Cover, Comm. End
GGU-41	1	Wick, Felt
GGU-1002A	1	Head Assy., Partial, C.E.
GBW-45	2	Spring, Brush
GCJ-26	2	Arm, Brush
GGU-38A	1	BEARING; ABS. BRONZE
12X-195	3	Lockwasher, Cover Screw, #8
X-489	1	Oiler
8X-888	3	Screw, C.E. Cover, Fill. Hd. #8-32x5/16
GGU-2012S	1	BRUSH SET, SERVICE
12X-195	2	Lockwasher, Lead Sc., #8
8X-305	2	Screw, Br. Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GBM-21B	1	Nut, Arm. Shaft, D.E.
GGZ-2046F	1	ARMATURE
GGW-40	1	Spacer, Arm. Shaft
*	1	Pulley, Drive
X-263	1	Key, Woodruff, #8
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

GGU-1065	1	Head Assy., Drive End
GGF-9	2	Washer, Felt
GGF-10	1	Retainer, Felt Washer, Outer
GGF-11	1	Gasket, Brg. Retainer
GGF-12	1	Retainer, Felt Washer, Inner
GGF-13	1	Retainer, Bearing
GGU-65	1	Head, Drive End
12X-196	3	Lockwasher, Retainer Sc., #10
X-298	1	BEARING, BALL, S.A.E. #204
8X-311	3	Screw, Brg. Retainer, Rd. Hd. #10-32x3/8
X-489	1	Oiler

Miscellaneous Parts

GCE-24	1	Band, Cover
8X-714	1	Screw Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

NOTE: VRP-4503C CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

* See table following parts list for part number applying to assembly wanted.

Assembly No.	Pulley
GGZ-6002A	PU-107
GGZ-6002-S1	None

UNIT	APPLICATION
GGZ-6002A GGZ-6002-S1	Dodge (Truck) Service Generator

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
DK-23C	2	Bolt, Thru
GGU-2001	1	Frame & Field Assembly
GBY-38A	2	Screw, Pole Shoe
GDW-44	1	Washer, Ins., Arm. Term.
GGU-30	1	Washer, Ins., Field Term.
GGU-31	1	Washer, Plain, Field Term.
GGU-32	2	Bushing, Ins., Term. Stud
GGU-1005	1	COIL ASSEMBLY, FIELD, COMPLETE
GGU-27	1	Stud, Field Term., #10-32
GGU-28	1	Stud, Arm. Term., 1/4-28
GGU-40	1	Lead Assembly
X-3092	1	Terminal
GGU-1007	1	Coil, Field, Left
GGU-1008	1	Coil, Field, Right
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term.
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term. 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
12X-196	1	Lockwasher, Ground Screw, #10
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16
12X-1014	2	Lockwasher, Thru Bolt, 5/16

Comm. End Head Assembly & Parts Used With

GGU-2002S	1	Head Assembly, Comm. End
GGU-33	1	Gasket, C.E. Cover
GGU-34	1	Cover, Comm. End
GGU-41	1	Wick, Felt
GGU-1002A	1	Head Assembly, Partial, C.E.
GBW-45	2	Spring, Brush
GCJ-26	2	Arm, Brush
GGU-38A	1	BEARING, ABS. BRONZE
12X-195	3	Lockwasher, Cover Sc., #8
X-489	1	Oiler
8X-888	3	Screw, C.E. Cover, Fill. Hd. #8-32x5/16
GGU-2012S	1	BRUSH SET, SERVICE
12X-195	2	Lockwasher, Lead Screw, #8
8X-305	2	Screw, Br. Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GBM-21B	1	Nut, Arm. Shaft, D.E.
GGZ-2006F	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GR-32	1	Retainer, Felt Washer
*	1	Pulley, Drive
X-261	1	Key, Woodruff, #6
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

GGU-1064	1	Head Assembly, Drive End
GBM-124	1	Gasket, Brg. Retainer
GBM-125	1	Retainer, Felt Washer, Inner
GBM-127	1	Retainer, Bearing
GBM-128	1	Retainer, Felt Washer, Outer
GG-164	2	Washer, Felt
GGU-64	1	Head, Drive End
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
12X-196	3	Lockwasher, Retainer Screw, #10
X-295	1	BEARING, BALL, S.A.E. #203
X-489	1	Oiler

Miscellaneous Parts

GCE-24	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

NOTE: VRP-4503C CURRENT VOLTAGE REGULATOR is used with but is not a part of this generator.

* See table following parts list for part number applying to assembly wanted.

Assembly No.	Pulley
GGZ-6003A	SP-976
GGZ-6003-S1	None

UNIT	APPLICATION
GGZ-6003A	Dodge (Truck)
GGZ-6003-S1	Service Generator

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GDZ-2001	1	Frame & Field Assembly
GAA-32	1	Washer, Ins., Arm. Term., Outer
GBW-34	1	Washer, Ins., Field Term., Outer
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Field Term.
GDZ-1005	1	COIL ASSY., FIELD, COMPLETE
GDZ-1007	1	Coil, Field, Left
GDZ-1008	1	Coil, Field, Right
GEA-27	1	Stud, Arm. Term., #14-24
GEA-30	1	Lead Assembly
X-847	1	Terminal
GEB-58	1	Stud, Field Term., #10-32
GEA-34	1	Insulation, Term., Stud, Inner
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term., Hex. #14-24
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-349	1	Washer, Plain, Field Term. #10
8X-361	1	Washer, Plain, Arm. Term. 1/4
8X-1377	2	Nut, Field Term., Hex. #10-32
GY-20	2	Bolt, Thru
12X-196	1	Lockwasher, Grd. Sc., #10
12X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

GDZ-2094AS	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBW-69	1	Gasket, C.E. Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GBW-1068	1	Cover, Comm. End
GDZ-1094C	1	Head Assy., Partial, C.E.
GBF-79	1	BEARING, ABS. BRONZE
GBW-45	2	Spring, Brush
GCJ-26	2	Arm, Brush
12X-195	4	Lockwasher, Cover Sc., #8
8X-888	4	Screw, Cover, Fill. Hd. #8-32x5/16
GGU-2012S	1	BRUSH SET, SERVICE
12X-195	2	Lockwasher, Lead Screw, #8
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GBM-21B	1	Nut, Arm. Shaft, D.E.
GHB-2006F	1	ARMATURE
GAR-171	1	Snap Ring
GR-32	1	Retainer, Felt Washer
*	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

GDZ-1064A	1	Head Assy., Drive End
GBM-124	1	Gasket, Brg. Retainer
GBM-125	1	Retainer, Felt Washer, Inner
GBM-127	1	Retainer, Bearing
GBM-128	1	Retainer, Felt Washer, Outer
GDZ-64A	1	Head, Drive End
GG-164A	2	Washer, Felt
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
12X-196	3	Lockwasher, Retainer Sc., #10
X-441	1	BEARING, BALL, S.A.E. #203
X-2961	1	Oiler

Miscellaneous Parts

GBW-1024R	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

NOTE: * CURRENT VOLTAGE REGULATOR is used with but is not a part of this generator.

* See table following parts list for part numbers applying to assembly wanted.

Assembly No.	Pulley	Regulator
GHB-4801A	SP-700	VRP-6004B
GHB-4801B	SP-700	VRP-6008A
GHB-4801-S1	None	

UNIT	APPLICATION
GHB-4801A	Chrysler (Industrial), Massey-Harris
GHB-4801B	Massey-Harris
GHB-4801-S1	Chrysler Service

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking su -parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GHC-2001)	1	Frame & Field Assy.
GDW-44	1	Washer, Ins., Arm. Term.
GGU-30	1	Washer, Ins., Field Term.
GGU-31	1	Washer, Plain, Field Term.
GGU-32	2	Bushing, Ins., Term. Stud
GHC-1005	1	COIL ASSY., FIELD COMPLETE
GGU-27	1	Stud, Field Term.., #10-32
GGU-28	1	Stud, Arm. Term., 1/4-28
GHC-40	1	Lead Assembly
X-847	1	Terminal
GHC-1007	1	Coil, Field, Left
GHC-1008	1	Coil, Field, Right
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term.
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
GK-20A	2	Bolt, Thru
12X-196	1	Lockwasher, Ground Sc.,#10
12X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

GGY-2002A	1	Head Assy., Comm. End
GAL-40C	1	Cover, Bearing, C.E.
GGW-41	1	Wick, Felt
GGW-1002A	1	Head Assy., Partial, C.E.
GCJ-26	2	Arm, Brush
GGU-38A	1	BEARING, ABS. BRONZE
GGY-45	2	Spring, Brush
GGY-1012†	2	Brush
X-489	1	Oiler
12X-195	2	Lockwasher, Lead Sc., #8
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GBM-21B	1	Nut, Arm. Shaft, D.E.
GGW-40	1	Spacer, Arm. Shaft
GHC-2032F	1	ARMATURE
*	1	Pulley, Drive
X-263	1	Key, Woodruff, #8
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

GGW-1031	1	Drive End Head Assy.
GGF-9	2	Washer, Felt
GGF-10	1	Retainer, Felt Washer, Outer
GGF-11	1	Gasket, Brg. Retainer
GGF-12	1	Retainer, Felt Washer, Inner
GGF-13	1	Retainer, Bearing
GGW-31	1	Head, Drive End
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
12X-196	3	Lockwasher, Retainer Sc., #10
X-298	1	BEARING, BALL, S.A.E. #204
X-489	1	Oiler

Miscellaneous Parts

GGW-1024	1	Band, Cover

† BRUSH SET, SERVICE GGY-2012S.

NOTE: VRX-6001A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

* See table following parts list for part number applying to assembly wanted.

Assembly No.	Pulley
GHC-6002A	SP-959
GHC-6002S-1	None

UNIT	APPLICATION
GHC-6002A,S-1	Chrysler (Industrial)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GHC-6003A, B, C, S1 GENERATOR PARTS LIST

GHC-6003A, B, C, S1 (Issued 11-1-55)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GHC-2001	1	Frame & Field Assembly
GDW-44	1	Washer, Ins., Arm. Term.
GGU-30	1	Washer, Ins., Field Term.
GGU-31	1	Washer, Plain, Field Term.
GGU-32	2	Bushing, Ins., Term. Stud
GHC-1005	1	COIL ASSY., FIELD, COMPLETE
GGU-27	1	Stud, Field Term., #10-32
GGU-28	1	Stud, Arm. Term., 1/4-28
GHC-40	1	Lead Assembly
X-847	1	Terminal
GHC-1007	1	Coil, Field, Left
GHC-1008	1	Coil, Field, Right
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term.
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
GK-20A	2	Bolt, Thru
12X-196	1	Lockwasher, Ground Sc., #10
12X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

GGW-2002S	1	Head Assy., Comm. End
GAL-40C	1	Cover, Bearing, C. E.
GCJ-26	2	Arm, Brush
GGU-38A	1	BEARING, ABS. BRONZE
GGW-41	1	Wick, Felt
GGY-45	2	Spring, Brush
X-489	1	Oiler
GGY-2012S	1	BRUSH SET, SERVICE
12X-195	2	Lockwasher, Lead Screw, #8
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm. Shaft, D. E.
GHC-2006F	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GR-32	1	Retainer, Felt Washer
*	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
12X-864	1	Lockwasher, Shaft, D. E.

Drive End Head Assembly & Parts Used With

Part No.	No. Used	Name of Part
GGW-1003	1	Head Assy., Drive End
GBM-124	1	Gasket, Brg. Retainer
GBM-125	1	Retainer, Felt Washer, Inner
GBM-127	1	Retainer, Bearing
GBM-128	1	Retainer, Felt Washer, Outer
GG-164	2	Washer, Felt
GGW-3	1	Head, Drive End
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
12X-196	3	Lockwasher, Retainer Screw, #10
X-295	1	BEARING, BALL, S. A. E. #203
X-489	1	Oiler

Miscellaneous Parts

GGW-1024	1	Band, Cover

Note :-*CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

* See table following parts list for part number applying to assembly wanted.

Assembly No.	Pulley	Regulator
GHC-6003A	PU-1004	
GHC-6003B	PU-1073	VRX-6001A
GHC-6003C	SP-1936	VRX-6001A
GHC-6003-S1	None	VRX-6001A

UNIT	APPLICATION
GHC-6003A	Wincharger
GHC-6003B	Chrysler Industrial
GHC-6003C	
GHC-6003-S1	Chrysler Service

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GHC-2060S‡	1	Frame & Field Assembly
GGW-61	1	Screw, Cover, Hex. Hd.
GGW-67	1	Cover, Term. Shield
GGW-1059	1	Adapter, Connector
GGW-1070	1	Terminal Assembly
12X-196	1	Lockwasher, Field Term., #10
12X-199	4	Lockwasher, Arm. Term. & Mtg. Screw, 1/4
X-1649	1	Nut, Arm. Term., Hex. 1/4-28
X-2853	1	Nut, Field Term., Hex. #10-32
X-2940	3	Washer, Mtg. Screw, Plain 1/4
X-3142	3	Screw, Term. Assy. Mtg., Fill. Hd. 1/4-20x5/8
GK-20C	2	Bolt, Thru
X-163A	1	Nut, Ground Term., Hex. 1/4-20
12X-199	3	Lockwasher, Grd. Term. & Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

GGW-2002AS	1	Head Assy., Comm. End
GAL-40E	1	Cover, C.E. Bearing
GCJ-26B	2	Arm, Brush
GGU-38A	1	BEARING, ABS. BRONZE
GGW-41	1	Wick, Felt
GGY-45A	2	Spring, Brush
X-489A	1	Oiler
GHC-2012AS	1	BRUSH SET, SERVICE
X-10	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
12X-195	2	Lockwasher, Lead Sc., #8

Armature Assembly & Parts Used With

GBM-21C	1	Nut, Arm. Shaft, D.E.
GHC-2006FT	1	ARMATURE ASSEMBLY
GAR-171A	1	Snap Ring
GR-32B	1	Retainer, Felt Washer
*	1	Pulley, Drive
X-260	1	Key, Woodruff #5
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

Part No.	No. Used	Name of Part
GGW-1003B	1	Head Assy., Drive End
GBM-124	1	Gasket, Brg. Retainer
GBM-125A	1	Retainer, Felt Washer, Inner
GBM-127A	1	Retainer, Bearing
GBM-128A	1	Retainer, Felt Washer, Outer
GG-164A	2	Washer, Felt
GGW-3B	1	Head, Drive End
GGW-52A	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
12X-196	3	Lockwasher, Retainer Sc. #10
X-295	1	BEARING, BALL, S.A.E. #203
X-489A	1	Oiler

Miscellaneous Parts

GGW-1024B	1	Band, Cover

‡ Due to the method of installing field coils and other components in the frame and field of fungus resistant assemblies, it is necessary to replace the frame and field assembly if field coils are required.

* See table following parts list for part number applying to assembly wanted.

NOTE: VRX-7005AT CURRENT VOLTAGE REGULATOR is used with but is not a part of this generator.

Assembly No.	Pulley
GHC-6004BT	PU-1073A
GHC-6004T-S1	None

UNIT	APPLICATION
GHC-6004BT, T-S1	Chrysler (Industrial)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GHC-6005A GENERATOR PARTS LIST GHC-6005A

(Issued 11-3-55)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GHC-2001	1	Frame & Field Assy.
GDW-44	1	Washer, Ins., Arm. Term.
GGU-30	1	Washer, Ins., Field Term.
GGU-31	1	Washer, Plain, Field Term.
GGU-32	2	Bushing, Ins., Term. Stud
GHC-1005	1	COIL ASSY., FIELD, COMPLETE
GGU-27	1	Stud, Field Term., #10-32
GGU-28	1	Stud, Arm. Term., 1/4-28
GHC-40	1	Lead Assembly
X-847	1	Terminal
GHC-1007	1	Coil, Field, Left
GHC-1008	1	Coil, Field, Right
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term.
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
GK-20A	2	Bolt, Thru
12X-196	1	Lockwasher, Ground Sc., #10
12X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

GGU-53	1	Gasket, Brg. Retainer
GGU-1050	1	Retainer Assy., Bearing
GGU-51	1	Retainer, Felt Washer
GGU-52	1	Washer, Felt
GGW-19	1	Retainer, Outer
GGW-2039S	1	Head Assy., Comm. End
GCJ-26	2	Arm, Brush
GGY-45	2	Spring, Brush
GHC-2012S	1	BRUSH SET, SERVICE
8X-118	4	Screw, Brg. Retainer, Fill. Hd. #10-32x3/4
12X-195	2	Lockwasher, Lead Sc., #8
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler
X-3135	1	BEARING, BALL
12X-3192	4	Lockwasher, Retainer Sc., #10

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GBM-21B	1	Nut, Arm. Shaft, D. E.
GGW-40	1	Spacer, Arm. Shaft
GHC-2045F	1	ARMATURE
PU-101	1	Pulley, Drive
X-263	1	Key, Woodruff, #8
12X-864	1	Lockwasher, Shaft, D. E.

Drive End Head Assembly & Parts Used With

GGW-1031	1	Head Assy., Drive End
GGF-9	2	Washer, Felt
GGF-10	1	Retainer, Felt Washer, Outer
GGF-11	1	Gasket, Brg. Retainer
GGF-12	1	Retainer, Felt Washer, Inner
GGF-13	1	Retainer, Bearing
GGW-31	1	Head, Drive End
GGW-52	3	Screw, Brg. Retainer Rd. Hd. #10-32x1/2
12X-196	3	Lockwasher, Retainer Sc., #10
X-298	1	BEARING, BALL, S. A. E. #204
X-489	1	Oiler

Miscellaneous Parts

GGW-1024	1	Band, Cover

Note:-The following CURRENT-VOLTAGE REGULATORS are used with but not a part of this generator.

Assembly No.	Regulator
GHC-6005A (up to 2700 RPM)	VRS-4007C
GHC-6005A (over 2700 RPM)	VRS-4007A-1

UNIT	APPLICATION
GHC-6005A	Nordberg

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GHD-2001	1	Frame & Field Assembly
GDW-44	1	Washer, Ins., Arm. Term.
GGU-30	1	Washer, Ins., Field Term.
GGU-31	1	Washer, Plain, Field Term.
GGU-32	2	Bushing, Ins., Term. Stud
GHD-34	1	Lead Assembly
GGU-28	1	Stud, Arm. Term., 1/4-28
X-976	1	Terminal
GHD-1005	1	COIL ASSEMBLY, FIELD, COMPLETE
GGU-27	1	Stud, Field Term., #10-32
GHD-1007	1	Coil Assy., Field, Left
X-976	1	Terminal
GHD-1008	1	Coil, Field, Right
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term.
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
MW-20A	2	Bolt, Thru
12X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

GBM-2012AS	1	BRUSH SET, SERVICE
GHD-2002S	1	Head Assy., Comm. End
GAL-40C	1	Cover, Bearing, C.E.
GGW-41	1	Wick, Felt
GHD-1002A	1	Head Assy., Partial, C.E.
GAR-219	3	Arm, Brush
GGU-38A	1	BEARING, ABSORBENT BRONZE
GHD-45L	1	Spring, Brush
GHD-45R	2	Spring, Brush
X-2961	1	Oiler
12X-195	3	Lockwasher, Lead Screw, #8
8X-305	3	Screw, Brush Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GBM-21B	1	Nut, Arm. Shaft, D.E.
GHD-2006	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
*	1	Spacer, Arm. Shaft, D.E.
GR-32	1	Retainer, Felt Washer
*	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

GHD-1003S	1	Head Assy., Drive End
GBM-124	1	Gasket, Brg. Retainer
GBM-125	1	Retainer, Felt Washer, Inner
GBM-127	1	Retainer, Bearing
GBM-128	1	Retainer, Felt Washer, Outer
GG-164	1	Washer, Felt, Inner
GG-164A	1	Washer, Felt, Outer
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
GHD-3S	1	Head, Drive End
12X-196	3	Lockwasher, Retainer Screw, #10
X-295	1	BEARING, BALL, S.A.E. #203
X-2961	1	Oiler

Miscellaneous Parts

GHD-30	1	Lead Assy., Arm. Term.
GHD-33	1	Lead Assy., Field Term.
GHD-1024	1	Band, Cover
*	1	VOLTAGE REGULATOR
*	3	Lockwasher, Mtg. Screw #10
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32
*	3	Screw, Reg. Mtg., Fill. Hd. #10-32x7/8
*	3	Screw, Reg. Mtg., Rd. Hd. #10-32x5/16

* See table following parts list for part number applying to assembly wanted.

(Continued on Reverse Side)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GHD-6001A thru Z GENERATOR PARTS LIST (Continued)

Assembly No.	Spacer	Pulley	Regulator	Lockwasher	Sc. Fill. Hd. #10-32x7/8	Sc. Rd. Hd. #10-32x5/16
GHD-6001A	GJ-104B	SP-786	VRR-4101A	12X-196	8X-900	None
GHD-6001AA	GJ-104B	SP-786	VRR-4104A	X-1270	None	8X-321
GHD-6001AB	GJ-104B	SP-856	VRR-4104A	X-1270	None	8X-321
GHD-6001AB-1	GJ-104B	SP-856	VRR-4103A	X-1270	None	8X-321
GHD-6001AC	GJ-104B	SP-861	VRR-4104A	X-1270	None	8X-321
GHD-6001AC-1	GJ-104B	SP-861	VRR-4103A	X-1270	None	8X-321
GHD-6001AD	None	SP-763	VRR-4103A	X-1270	None	8X-321
GHD-6001AE	GJ-104B	PU-160	VRR-4103A	X-1270	None	8X-321
GHD-6001AF	GJ-104B	PU-161	VRR-4104A	X-1270	None	8X-321
GHD-6001AG	None	SP-782	VRR-4103A	X-1270	None	8X-321
GHD-6001B	GJ-104B	SP-856	VRR-4101A	12X-196	8X-900	None
GHD-6001B-1	GJ-104B	SP-856	VRR-4102A	12X-196	8X-900	None
GHD-6001C	None	SP-1344	VRR-4101A	12X-196	8X-900	None
GHD-6001D	GJ-104B	SP-861	VRR-4101A	12X-196	8X-900	None
GHD-6001D-1	GJ-104B	SP-861	VRR-4102A	12X-196	8X-900	None
GHD-6001E	None	SP-383A	VRR-4102A	12X-196	8X-900	None
GHD-6001F	GJ-104B	SP-854A	VRR-4102A	12X-196	8X-900	None
GHD-6001G	GJ-104B	PU-30	VRR-4102A	12X-196	8X-900	None
GHD-6001H	GJ-104B	PU-31	VRR-4102A	12X-196	8X-900	None
GHD-6001J	GJ-104B	PU-32	VRR-4102A	12X-196	8X-900	None
GHD-6001K	None	SP-1344	VRR-4102B	12X-196	8X-900	None
GHD-6001L	None	SP-763	VRR-4101A	12X-196	8X-900	None
GHD-6001L-1	None	SP-763	VRR-4102A	12X-196	8X-900	None
GHD-6001P	GJ-104B	PU-77	VRR-4102A	12X-196	8X-900	None
GHD-6001Q	None	SP-1344	VRR-4103A	X-1270	None	8X-321
GHD-6001Q-1	None	SP-1344	VRR-4104A	X-1270	None	8X-321
GHD-6001R	GJ-104B	PU-30	VRR-4103A	X-1270	None	8X-321
GHD-6001S	GJ-104B	None	VRR-4102A	12X-196	8X-900	None
GHD-6001SS	GJ-104B	None	VRR-4103A	X-1270	None	8X-321
GHD-6001SSN	GJ-104B	None	VRR-4104A	X-1270	None	8X-321
GHD-6001V	GJ-104B	PU-31	VRR-4103A	X-1270	None	8X-321
GHD-6001W	GJ-104B	PU-32	VRR-4103A	X-1270	None	8X-321
GHD-6001X	GJ-104B	PU-77	VRR-4103A	X-1270	None	8X-321
GHD-6001Y	GJ-104B	SP-854A	VRR-4103A	X-1270	None	8X-321
GHD-6001YN	GJ-104B	SP-854A	VRR-4104A	X-1270	None	8X-321
GHD-6001Z	None	SP-383A	VRR-4103A	X-1270	None	8X-321

UNIT	APPLICATION
GHD-6001A, AA, AB, AC, D, SSN	Towmotor
GHD-6001AB-1, B-1	Wisc., Buda, Cont.
GHD-6001AC-1, D-1	Tractomotive Corp.
GHD-6001AD, L, L-1, YN	Hercules
GHD-6001AE	Lycoming Spencer
GHD-6001AF	J. I. Case
GHD-6001AG	Continental
GHD-6001B	Towmotor, Wisconsin
GHD-6001C, Q-1	Case, Gladden
GHD-6001E	Case, Massey-Harris
GHD-6001F, Q, Y	Cockshutt, Co-Op
GHD-6001G, H, J, P, R, V, W, X, Z	Massey-Harris
GHD-6001K	Cockshutt, Co-Op, Worthington Pump
GHD-6001S, SS	Massey-Harris, Lycoming Spencer

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ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GHD-6002A GENERATOR PARTS LIST — GHD-6002A

(Issued 11-2-55)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GHD-2035	1	Frame & Field Assembly
GDW-44	1	Washer, Ins., Arm. Term.
GGU-30	1	Washer, Ins., Field Term.
GGU-31	1	Washer, Plain, Field Term.
GGU-32	2	Bushing, Ins., Term. Stud
GHD-34	1	Lead Assembly
GGU-28	1	Stud, Arm. Term., 1/4-28
X-976	1	Terminal
GHD-1005	1	COIL ASSY., FIELD, COMPLETE
GGU-27	1	Stud, Field Term., #10-32
GHD-1007	1	Coil Assy., Field, Left
X-976	1	Terminal
GHD-1008	1	Coil, Field, Right
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term.
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
MW-20A	2	Bolt, Thru
12X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

GBM-2012AS	1	BRUSH SET, SERVICE
GHD-2002S	1	Head Assy., Comm. End
GAL-40C	1	Cover, Bearing, C. E.
GGW-41	1	Wick, Felt
GHD-1002A	1	Head Assy., Partial, C. E.
GAR-219	3	Arm, Brush
GGU-38A	1	BEARING, ABS. BRONZE
GHD-45L	1	Spring, Brush
GHD-45R	2	Spring, Brush
X-2961	1	Oiler
12X-195	3	Lockwasher, Lead Screw, #8
8X-305	3	Screw, Brush Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GBM-21B	1	Nut, Arm. Shaft, D. E.
GHD-2006	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GR-32	1	Retainer, Felt Washer
SP-383A	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
12X-864	1	Lockwasher, Shaft, D. E.

Drive End Head Assembly & Parts Used With

GHD-1003S	1	Head Assy., Drive End
GBM-124	1	Gasket, Brg. Retainer
GBM-125	1	Retainer, Felt Washer, Inner
GBM-127	1	Retainer, Bearing
GBM-128	1	Retainer, Felt Washer, Outer
GG-164	1	Washer, Felt, Inner
GG-164A	1	Washer, Felt, Outer
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
GHD-3S	1	Head, Drive End
12X-196	3	Lockwasher, Retainer Sc., #10
X-295	1	BEARING, BALL, S. A. E. #203
X-2961	1	Oiler

Miscellaneous Parts

GHD-1024	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

Note :-VRR-4105A VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GHD-6002A	J. I. Case

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Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GHE-3109)	1	Frame & Field Assy.
GBF-55	1	Washer, Ins., Field Term., Outer
GBG-22	1	Stud, Field Term., #10-32
GBG-23	1	Stud, Arm. Term., 5/16-24
GBG-30	1	Insulation, Field Connection
GBG-59	1	Lead Assembly
GBG-121	1	Terminal, 2 Wire
X-1425	2	Terminal
GCY-27	1	Bushing, Ins., Field Term.
GCY-28	1	Bushing, Ins., Arm. Term.
GDJ-66	1	Insulation, Term. Stud, Inner
GDJ-67	1	Insulation, Term. Stud, Inner
GDJ-68	1	Insulation, Field Term., Inner
GFR-44	8	Screw, Pole Shoe
GHE-1005	1	Coil Assy., Field, Complete
GHE-1007	1	Coil, Field, U.R.
GBG-26	1	Terminal
GHE-1008	1	Coil, Field, L.L.
GHE-1009	1	Coil, Field, L.R.
GHE-1010	1	Coil, Field, U.L.
X-1425	1	Terminal
MU-36	1	Washer, Ins., Arm. Term., Outer
MU-37	1	Washer, Plain, Arm. Term. 5/16
8X-183A	1	Washer, Plain, Field Term. #10
12X-196	2	Lockwasher, Field Term., #10
12X-1014	2	Lockwasher, Arm. Term., 5/16
8X-1376	2	Nut, Arm. Term., Hex. 5/16-24
8X-1377	2	Nut, Field Term., Hex. #10-32
12X-196	1	Lockwasher, Ground Sc., #10
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

DA-60	1	Screw, Bearing, Retaining
GBG-66	1	Washer, Bearing Retaining
GCE-40	2	Washer, Felt Retaining
GDJ-23	1	Washer, Spring
GDJ-24	1	Washer, Felt
GDJ-27	1	Gasket, C.E. Cover
GDJ-63A	1	Cover, Comm. End

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
GFR-2012S	1	Brush Set, Service
GHE-3200S	1	Head Assy., Comm. End
GBY-34	4	Arm, Brush
GCE-53	4	Spring, Brush
8X-118	6	Screw, C.E. Head, Fill. Hd. #10-32x3/4
8X-119	4	Screw, Cover, Fill. Hd. #10-32x1/2
12X-195	4	Lockwasher, Br. Lead Sc., #8
12X-196	10	Lockwasher, Head & Cover Sc., #10
12X-199	1	Lockwasher, Brg. Retaining Sc., 1/4
8X-305	4	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler
X-1528	1	Bearing, Ball, Shielded, S.A.E. #205

Armature Assembly & Parts Used With

GBG-49	1	Spacer, Arm. Shaft, C.E.
GFR-56	1	Spacer, Shaft, D.E., Outer
GFR-57	1	Spacer, Shaft, D.E., Inner
GHE-2106F	1	Armature
PU-22	1	Pulley, Drive
X-405	1	Pin, Cotter
12X-1018	1	Lockwasher, Shaft, D.E., 5/8
8X-1717	1	Nut, Arm. Shaft, D.E.

Drive End Head Assembly & Parts Used With

GDJ-1201	1	Head Assy., Drive End
GBG-50	1	Gasket, Brg. Retainer
GBG-57	1	Retainer, Felt Washer
GBG-58	1	Washer, Felt
GBG-1056	1	Retainer Assy., Bearing
GBG-56	1	Retainer, Bearing
GBG-57	1	Retainer, Felt Washer
GBG-58	1	Washer, Felt
GDJ-201	1	Head, Drive End
8X-119	4	Screw, Brg. Retainer, Fill. Hd. #10-32x1/2
12X-196	4	Lockwasher, Retainer Sc., #10
X-444	1	Bearing, Ball, S.A.E. #305
8X-118	6	Screw, D.E. Head, Fill. Hd. #10-32x3/4
12X-196	6	Lockwasher, Head Screw, #10
X-489	1	Oiler

(Continued on Reverse Side)

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Miscellaneous Parts

Part No.	No. Used	Name of Part
GBG-24B	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

NOTE: VRA-4105A Current-Voltage Regulator is used with but is not a part of this generator.

UNIT	APPLICATION
GHE-4801A	Chris Craft

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

DK-23C	2	Bolt, Thru
GHF-2047	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Field Term., Outer
GBY-38C	2	Screw, Pole Shoe
GC-26	1	Washer, Ins., Field Term.
GCY-28A	1	Bushing, Ins., Arm. Term.
GDW-22	1	Insulation, Arm. Term. Inner
GGU-32	1	Bushing, Ins., Field Term.
GHF-1005	1	COIL ASSY., FIELD, COMPLETE
GDW-23A	1	Stud, Arm. Term., 5/16-24
GDZ-28	1	Stud, Field Term., 1/4-28
GEA-30G	1	Lead Assembly
X-847	1	Terminal
GHF-1007	1	Coil, Field, Left
GHF-1008	1	Coil, Field, Right
MN-21A	2	Pin, Dowel
MU-37G	1	Washer, Plain, Arm. Term. 5/16
SS-13	1	Washer, Ins., Arm. Term., Outer
VAD-79	1	Washer, Ins., Arm. Term.
X-180	2	Nut, Arm. Term., Hex. 5/16-24
X-187	1	Washer, Plain, Field Term., #14
12X-199	2	Lockwasher, Field Term., 1/4
12X-1014	2	Lockwasher, Arm. Term., 5/16
X-2903	2	Nut, Field Term., Hex. 1/4-28
X-20	1	Screw, Ground, Rd. Hd. #10-32x5/16
12X-196	1	Lockwasher, Ground Screw, #10
12X-1014	2	Lockwasher, Thru Bolt, 5/16

Comm. End Head Assembly & Parts Used With

GBW-2012AS	1	BRUSH SET, SERVICE
GHF-2002S	1	Head Assy., Comm. End
GGU-33	1	Gasket, C. E. Cover
GGU-34A	1	Cover, Comm. End
GGU-41	1	Wick, Felt
GGU-1002C	1	Head Assy., Partial, C. E.
GBW-45A	2	Spring, Brush
GCJ-26B	2	Arm, Brush
GGU-38A	1	BEARING, ABS. BRONZE
12X-195	3	Lockwasher, Cover Sc., #8
X-489A	1	Oiler
X-1754	3	Screw, Cover, Fill. Hd. #8-32x5/16

Comm. End Head Assembly (Continued)

X-10	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
12X-195	2	Lockwasher, Lead Sc., #8

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm. Shaft, D. E.
GEG-55	1	Spacer, Arm. Shaft
GHF-3006FM	1	ARMATURE ASSY.
GAR-171A	1	Snap Ring
GR-32B	1	Retainer, Felt Washer
*	1	Pulley, Drive
X-261	1	Key, Woodruff, #6
12X-864	1	Lockwasher, Shaft, D. E.

Drive End Head Assembly & Parts Used With

GGU-1003A	1	Head Assy., Drive End
GBM-124	1	Gasket, Brg. Retainer
GBM-125A	1	Retainer, Felt Washer, Inner
GBM-127A	1	Retainer, Bearing
GBM-128A	1	Retainer, Felt Washer, Outer
GG-164	2	Washer, Felt
GGU-3A	1	Head, D. E.
GGW-52A	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
12X-196	3	Lockwasher, Retainer Sc., #10
X-295	1	BEARING, BALL, S. A. E. #203
X-489A	1	Oiler

Miscellaneous Parts

GCE-24L	1	Band, Cover
X-2875	1	Nut, Cover Band, Square #10-32
X-2882	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2

NOTE: VRS-6001AM CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

* See table following parts list for part number applying to assembly wanted.

ASSEMBLY NO.	PULLEY
GHF-6001AM	PU-26
GHF-6001M-S1	None

UNIT	APPLICATION
GHF-6001AM	Chrysler (Marine)
GHF-6001M-S1	Service Generator

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GHH-6001A, B, C, D, E, E-1, F, F-1, G, H, H-1, J — GENERATOR PARTS LIST — GHH-6001A, B, C, D, E, E-1, F, F-1, G, H, H-1, J (Issued 2-4-55)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GHH-2001	1	Frame & Field Assembly
GDW-44	1	Washer, Ins., Arm. Term.
GGU-30	1	Washer, Ins., Field Term.
GGU-31	1	Washer, Plain, Field Term.
GGU-32	2	Bushing, Ins., Term. Stud
GHD-34	1	Lead Assembly
GGU-28	1	Stud, Arm. Term., 1/4-28
X-976	1	Terminal
GHH-1005	1	COIL ASSY., FIELD, COMPLETE
GGU-27	1	Stud, Field Term., #10-32
GHH-1007	1	Coil Assy., Field, Left
X-976	1	Terminal
GHH-1008	1	Coil, Field, Right
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term.
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
MW-20A	2	Bolt, Thru
12X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

GBJ-2012S	1	BRUSH SET, SERVICE
GHH-2002S	1	Head Assembly, Comm. End
GAL-40C	1	Cover, Bearing, C.E.
GGW-41	1	Wick, Felt
GHH-1002A	1	Head Assy., Partial, C.E.
GAR-219	3	Arm, Brush
GGU-38A	1	BEARING, ABS. BRONZE
GHD-45L	1	Spring, Brush
GHD-45R	2	Spring, Brush
X-2961	1	Oiler
12X-195	3	Lockwasher, Lead Screw, #8
8X-305	3	Screw, Brush Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm. Shaft, D.E.
GHH-2006	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
*	1	Spacer, Arm. Shaft

Armature Assembly & Parts (Continued)

Part No.	No. Used	Name of Part
GR-32	1	Retainer, Felt Washer
*	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

GHD-1003S	1	Head Assembly, Drive End
GBM-124	1	Gasket, Brg. Retainer
GBM-125	1	Retainer, Felt Washer, Inner
GBM-127	1	Retainer, Bearing
GBM-128	1	Retainer, Felt Washer, Outer
GG-164	1	Washer, Felt, Inner
GG-164A	1	Washer, Felt, Outer
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
GHD-3S	1	Head, Drive End
12X-196	3	Lockwasher, Retainer Screw, #10
X-295	1	BEARING, BALL, S.A.E. #203
X-2961	1	Oiler

Miscellaneous Parts

GHD-30	1	Lead Assy., Arm. Term.
GHD-33	1	Lead Assy., Field Term.
GHD-1024	1	Band, Cover
*	1	VOLTAGE REGULATOR
*	3	Lockwasher, Mtg. Screw, #10
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32
*	3	Screw, Reg. Mtg., Fill. Hd. #10-32x7/8
*	3	Screw, Reg. Mtg., Rd. Hd. #10-32x5/16

* See table following parts list for part number applying to assembly wanted.

(Continued on Reverse Side)

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GHH-6001A, B, C, D, E, E-1, F, F-1, G, H, H-1, J GENERATOR PARTS LIST (Continued)

Assembly No.	Pulley	Regulator	Lockwasher	Screw, Fill. Hd. #10-32x7/8	Screw, Rd. Hd. #10-32x5/16	Spacer
GHH-6001A	PU-30	VRT-4102A	12X-196	8X-900	None	GJ-104B
GHH-6001B	SP-854A	VRT-4102A	12X196	8X-900	None	GJ-104B
GHH-6001C	SP-856	VRT-4102A	12X-196	8X-900	None	GJ-104B
GHH-6001D	PU-30	VRT-4103A	X-1270	None	8X-321	GJ-104B
GHH-6001E	SP-854A	VRT-4103A	X-1270	None	8X-321	GJ-104B
GHH-6001E-1	SP-854A	VRT-4104A	X-1270	None	8X-321	GJ-104B
GHH-6001F	SP-856	VRT-4103A	X-1270	None	8X-321	GJ-104B
GHH-6001F-1	SP-856	VRT-4104A	X-1270	None	8X-321	GJ-104B
GHH-6001G	PU-77	VRT-4103A	X-1270	None	8X-321	GJ-104B
GHH-6001H	SP-1344	VRT-4103A	X-1270	None	8X-321	None
GHH-6001H-1	SP-1344	VRT-4104A	X-1270	None	8X-321	None
GHH-6001J	PU-161	VRT-4104A	X-1270	None	8X-321	GJ-104B

UNIT	APPLICATION
GHH-6001A	Buda, Massey-Harris
GHH-6001B, E	Cockshutt Plow Co.
GHH-6001C, F	Buda, Continental
GHH-6001D, G	Massey-Harris
GHH-6001E-1, J	J. I. Case
GHH-6001F-1	Clinton Mfg. Co.
GHH-6001H	Continental
GHH-6001H-1	D. W. Onan

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GHH-2001	1	Frame & Field Assy.
GDW-44	1	Washer, Ins., Arm. Term.
GGU-30	1	Washer, Ins., Field Term.
GGU-31	1	Washer, Plain, Field Term.
GGU-32	2	Bushing, Ins., Term. Stud
GHD-34	1	Lead Assembly
GGU-28	1	Stud, Arm. Term., 1/4-28
X-976	1	Terminal
GHH-1005	1	COIL ASSY., FIELD, COMPLETE
GGU-27	1	Stud, Field Term., #10-32
GHH-1007	1	Coil Assy., Field, Left
X-976	1	Terminal
GHH-1008	1	Coil, Field, Right
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term.
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
MW-20A	2	Bolt, Thru
12X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

GBJ-2012S	1	BRUSH SET, SERVICE
GHH-2002S	1	Head Assy., Comm. End
GAL-40C	1	Cover, Bearing, C.E.
GGW-41	1	Wick, Felt
GHH-1002A	1	Head Assy., Partial, C.E.
GAR-219	3	Arm, Brush
GGU-38A	1	BEARING, ABS. BRONZE
GHD-45L	1	Spring, Brush
GHD-45R	2	Spring, Brush
X-2961	1	Oiler
12X-195	3	Lockwasher, Lead Sc., #8
8X-305	3	Screw, Brush Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GBM-21B	1	Nut, Arm. Shaft, D.E.
GHH-2006	1	ARMATURE ASSY.
GAR-171	1	Snap Ring
GJ-104B	1	Spacer, Arm. Shaft
GR-32	1	Retainer, Felt Washer
PU-161	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

GHD-1003S	1	Head Assy., Drive End
GBM-124	1	Gasket, Brg. Retainer
GBM-125	1	Retainer, Felt Washer, Inner
GBM-127	1	Retainer, Bearing
GBM-128	1	Retainer, Felt Washer, Outer
GG-164	1	Washer, Felt, Inner
GG-164A	1	Washer, Felt, Outer
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
GHD-3S	1	Head, Drive End
12X-196	3	Lockwasher, Retainer Sc., #10
X-295	1	BEARING, BALL, S.A.E. #203
X-2961	1	Oiler

Miscellaneous Parts

GHD-1024	1	Band, Cover
12X-196	2	Lockwasher, #10
8X-321	2	Screw, Rd. Hd. #10-32x5/16
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

Note:-VRT-4105A VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GHH-6002A	J.I. Case

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GHH-6003A GENERATOR PARTS LIST

GHH-6003A
(Issued 3-26-56)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GHH-2001	1	Frame & Field Assy.
GDW-44	1	Washer, Ins., Arm. Term.
GGU-30	1	Washer, Ins., Field Term.
GGU-31	1	Washer, Plain, Field Term.
GGU-32	2	Bushing, Ins., Term. Stud
GHD-34	1	Lead Assembly
GGU-28	1	Stud, Arm. Term., 1/4-28
X-976	1	Terminal
GHH-1005	1	COIL ASSY., FIELD, COMPLETE
GGU-27	1	Stud, Field Term., #10-32
GHH-1007	1	Coil Assy., Field, Left
X-976	1	Terminal
GHH-1008	1	Coil, Field, Right
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term.
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
MW-20A	2	Bolt, Thru
12X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

GBJ-2012S	1	BRUSH SET, SERVICE
GHH-2030S	1	Head Assy., Comm. End
GAR-98A	1	Cover, Wick
GAR-219	3	Arm, Brush
GGW-41	1	Wick, Felt
GHD-45L	1	Spring, Brush
GHD-45R	2	Spring, Brush
X-2961	1	Oiler
12X-195	3	Lockwasher, Lead Sc., #8
8X-305	3	Screw, Brush Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GBM-21B	1	Nut, Arm. Shaft, D. E.
GHH-2032	1	ARMATURE ASSY.
GAR-171	1	Snap Ring
GJ-104B	1	Spacer, Arm. Shaft, D. E.
GR-32	1	Retainer, Felt Washer
PU-77	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
12X-864	1	Lockwasher, Shaft, D. E.

Drive End Head Assembly & Parts Used With

GHD-1003S	1	Head Assy., Drive End
GBM-124	1	Gasket, Brg. Retainer
GBM-125	1	Retainer, Felt Washer, Inner
GBM-127	1	Retainer, Bearing
GBM-128	1	Retainer, Felt Washer, Outer
GG-164	1	Washer, Felt, Inner
GG-164A	1	Washer, Felt, Outer
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
GHD-3S	1	Head, Drive End
12X-196	3	Lockwasher, Retainer Sc., #10
X-295	1	BEARING, BALL, S. A. E. #203
X-2961	1	Oiler

Miscellaneous Parts

GHD-30	1	Lead Assy., Arm. Term.
GHD-33	1	Lead Assy., Field Term.
GHD-1024	1	Band, Cover
VRT-4103A	1	VOLTAGE REGULATOR
8X-321	3	Screw, Reg. Mtg., Rd. Hd. #10-32x5/16
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32
X-1270	3	Washer, Mtg. Sc., Skpf., #10

UNIT	APPLICATION
GHH-6003A	Massey-Harris

Printed in U. S. A.

File in
Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
DK-23C	2	Bolt, Thru
GGU-2001	1	Frame & Field Assembly
GBY-38A	2	Screw, Pole Shoe
GDW-44	1	Washer, Ins., Arm. Term.
GGU-30	1	Washer, Ins., Field Term.
GGU-31	1	Washer, Plain, Field Term.
GGU-32	2	Bushing, Ins., Term. Stud
GGU-1005	1	COIL ASSY., FIELD, COMPLETE
GGU-27	1	Stud, Field Term., #10-32
GGU-28	1	Stud, Arm. Term., 1/4-28
GGU-40	1	Lead Assembly
X-3092	1	Terminal
GGU-1007	1	Coil, Field, Left
GGU-1008	1	Coil, Field, Right
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term.
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
12X-196	1	Lockwasher, Ground Sc., #10
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16
12X-1014	2	Lockwasher, Thru Bolt, 5/16

Comm. End Head Assembly & Parts Used With

GGU-2002S	1	Head Assy., Comm. End
GGU-33	1	Gasket, C.E. Cover
GGU-34	1	Cover, Comm. End
GGU-41	1	Wick, Felt
GGU-1002A	1	Head Assy., Partial, C.E.
GBW-45	2	Spring, Brush
GCJ-26	2	Arm, Brush
GGU-38A	1	BEARING, ABS. BRONZE
12X-195	3	Lockwasher, Cover Sc., #8
X-489	1	Oiler
8X-888	3	Screw, C.E. Cover, Fill. Hd. #8-32x5/16
GGU-2012S	1	BRUSH SET, SERVICE
12X-195	2	Lockwasher, Lead Sc., #8
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GBM-21B	1	Nut, Arm. Shaft, D.E.
GEG-55	1	Spacer, Arm. Shaft
GHK-2006F	1	ARMATURE ASSY.
GAR-171	1	Snap Ring
GR-32	1	Retainer, Felt Washer
PU-58	1	Pulley, Drive
X-261	1	Key, Woodruff, #6
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assy. & Parts Used With

GGU-1003	1	Head Assy., Drive End
GBM-124	1	Gasket, Brg. Retainer
GBM-125	1	Retainer, Felt Washer, Inner
GBM-127	1	Retainer, Bearing
GBM-128	1	Retainer, Felt Washer, Outer
GG-164	2	Washer, Felt
GGU-3	1	Head, Drive End
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
12X-196	3	Lockwasher, Retainer Sc., #10
X-295	1	BEARING, BALL, S.A.E. #203
X-489	1	Oiler

Miscellaneous Parts

GCE-24	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

NOTE: VRP-6001B CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GHK-6001A	Diamond T.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GHK-6002A GENERATOR PARTS LIST

GHK-6002A
(Issued 6-22-55)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
DK-23C	2	Bolt, Thru
GGU-2001	1	Frame & Field Assembly
GBY-38A	2	Screw, Pole Shoe
GDW-44	1	Washer, Ins., Arm. Term.
GGU-30	1	Washer, Ins., Field Term.
GGU-31	1	Washer, Plain, Field Term.
GGU-32	2	Bushing, Ins., Term. Stud
GGU-1005	1	COIL ASSEMBLY, FIELD, COMPLETE
GGU-27	1	Stud, Field Term., #10-32
GGU-28	1	Stud, Arm. Term., 1/4-28
GGU-40	1	Lead Assembly
X-3092	1	Terminal
GGU-1007	1	Coil, Field, Left
GGU-1008	1	Coil, Field, Right
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term.
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
12X-196	1	Lockwasher, Ground Sc., #10
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16
12X-1014	2	Lockwasher, Thru Bolt, 5/16

Comm. End Head Assembly & Parts Used With

DA-22	1	Washer, Bearing Retaining
DA-39	1	Washer, Plain, Felt Retaining
DA-60	1	Screw, Bearing Retaining
DA-132	1	Washer, Felt
GBJ-25	1	Gasket, C.E. Cover
GBJ-32A	1	Cover, Comm. End
GGU-2012S	1	BRUSH SET, SERVICE
GGU-2060S	1	Head Assy., Comm. End
GBW-45	2	Spring, Brush
GCJ-26	2	Arm, Brush
12X-195	2	Lockwasher, Lead Screw, #8
12X-196	3	Lockwasher, Cover Screw, #10
12X-199	1	Lockwasher, Brg. Retaining Screw, 1/4
X-295	1	BEARING, BALL, S.A.E. #203
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler
8X-870	3	Screw, Cover, Fill. Hd. #10-32x5/16

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GBM-21B	1	Nut, Arm. Shaft, D.E.
GEG-55	1	Spacer, Arm. Shaft
GHK-2059F	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GR-32	2	Retainer, Felt Washer
PU-58	1	Pulley, Drive
X-261	1	Key, Woodruff, #6
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

GGU-1003	1	Head Assy., Drive End
GBM-124	1	Gasket, Brg. Retainer
GBM-125	1	Retainer, Felt Washer, Inner
GBM-127	1	Retainer, Bearing
GBM-128	1	Retainer, Felt Washer, Outer
GG-164	2	Washer, Felt
GGU-3	1	Head, Drive End
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
12X-196	3	Lockwasher, Retainer Screw, #10
X-295	1	BEARING, BALL, S.A.E. #203
X-489	1	Oiler

Miscellaneous Parts

GCE-24	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

NOTE: VRP-4004P CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GHK-6002A	Diamond T

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GCX-20A	2	Bolt, Thru
GHL-3001	1	Frame & Field Assy.
GAA-30	1	Insulation, Arm. Term., Inner
GAA-32	1	Washer, Ins., Term.
GCT-25	1	Bushing, Ins., Arm. Term.
GEE-23	1	Lead Assembly
GAA-27	1	Stud, Arm. Term., #14-24
X-947	1	Terminal
GHL-2005	1	COIL ASSY., FIELD, COMPLETE
GAA-27	1	Stud, Field Grd. Term. #14-24
GHL-1007	1	Coil, Field, Right
X-947	1	Terminal
GHL-1008	1	Coil, Field, Left
GK-38	4	Screw, Pole Shoe
MN-21	2	Pin, Dowel
8X-177	4	Nut, Term. Stud, Hex. #14-24
12X-199	4	Lockwasher, Term. Stud, 1/4
8X-361	1	Washer, Arm. Term., Plain 1/4
12X-199	2	Lockwasher, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

GAL-2012A	1	BRUSH SET, SERVICE
GEE-27	1	Gasket, C.E. Cover
GEE-28	1	Cover, Comm. End
GEE-3002S	1	Head Assy., Comm. End
GAL-199	2	Block, Brush Screw
GAL-205	2	Spring, Retaining, 3rd Brush Plate
GAL-242	2	Holder, Brush
GCX-19	2	Spring, Brush
GDU-30	1	Lead Assembly
X-958	2	Terminal
GEE-1002	1	Head, Drive End
GEE-2213S	1	Plate Assy., 3rd Brush
GAL-199	1	Block, Brush Screw
GAL-242	1	Holder, Brush
GAR-1213	1	Plate, 3rd Brush
GCX-19	1	Spring, Brush
8X-59	1	Screw, Br. Lead, Rd. Hd. #8-32x3/16
X-1276	1	Washer, Lead Sc., Skpf. #8
X-1505	1	Screw, Brush, Bdg. Hd. #8-32x9/16

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
8X-59	2	Screw, Br. Lead, Rd. Hd. #8-32x3/16
8X-63	2	Screw, Retaining Spring, Flat Hd. #8-32x3/8
X-195	2	Lockwasher, Lead Sc., #8
8X-304	1	Screw, Lead Grd., Rd. Hd. #8-32x5/16
X-1276	1	Washer, Lead Sc., Skpf. #8
8X-1505	2	Screw, Brush, Bdg. Hd. #8-32x9/16
8X-62	3	Screw, C.E. Cover, Flat Hd. #10-32x3/8
X-1499	1	BEARING, BALL, SEALED, S.A.E. #203

Armature Assembly & Parts Used With

GBM-21B	1	Nut Arm. Shaft, C.E.
GG-60	1	Spacer, Arm. Shaft
GHL-2044	1	ARMATURE ASSY.
GAR-171	1	Snap Ring
X-260	1	Key, Woodruff, #5
12X-864	1	Lockwasher, Shaft, C.E.

Drive End Head Assy. & Parts Used With

GEE-4	1	Head, Drive End
GEE-25	1	Noise Eliminator
X-1498	1	BEARING, BALL

Miscellaneous Parts

GEE-24	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

NOTE: CBK-4001 CUT-OUT RELAY is used with but is not a part of this generator.

UNIT	APPLICATION
GHL-4501	Wincharger Corp.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GHK-6002A GENERATOR PARTS LIST

GHK-6002A
(Issued 6-22-55)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
DK-23C	2	Bolt, Thru
GGU-2001	1	Frame & Field Assembly
GBY-38A	2	Screw, Pole Shoe
GDW-44	1	Washer, Ins., Arm. Term.
GGU-30	1	Washer, Ins., Field Term.
GGU-31	1	Washer, Plain, Field Term.
GGU-32	2	Bushing, Ins., Term. Stud
GGU-1005	1	COIL ASSEMBLY, FIELD, COMPLETE
GGU-27	1	Stud, Field Term., #10-32
GGU-28	1	Stud, Arm. Term., 1/4-28
GGU-40	1	Lead Assembly
X-3092	1	Terminal
GGU-1007	1	Coil, Field, Left
GGU-1008	1	Coil, Field, Right
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term.
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
12X-196	1	Lockwasher, Ground Sc., #10
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16
12X-1014	2	Lockwasher, Thru Bolt, 5/16

Comm. End Head Assembly & Parts Used With

DA-22	1	Washer, Bearing Retaining
DA-39	1	Washer, Plain, Felt Retaining
DA-60	1	Screw, Bearing Retaining
DA-132	1	Washer, Felt
GBJ-25	1	Gasket, C.E. Cover
GBJ-32A	1	Cover, Comm. End
GGU-2012S	1	BRUSH SET, SERVICE
GGU-2060S	1	Head Assy., Comm. End
GBW-45	2	Spring, Brush
GCJ-26	2	Arm, Brush
12X-195	2	Lockwasher, Lead Screw, #8
12X-196	3	Lockwasher, Cover Screw, #10
12X-199	1	Lockwasher, Brg. Retaining Screw, 1/4
X-295	1	BEARING, BALL, S. A. E. #203
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler
8X-870	3	Screw, Cover, Fill. Hd. #10-32x5/16

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GBM-21B	1	Nut, Arm. Shaft, D. E.
GEG-55	1	Spacer, Arm. Shaft
GHK-2059F	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GR-32	2	Retainer, Felt Washer
PU-58	1	Pulley, Drive
X-261	1	Key, Woodruff, #6
12X-864	1	Lockwasher, Shaft, D. E.

Drive End Head Assembly & Parts Used With

GGU-1003	1	Head Assy., Drive End
GBM-124	1	Gasket, Brg. Retainer
GBM-125	1	Retainer, Felt Washer, Inner
GBM-127	1	Retainer, Bearing
GBM-128	1	Retainer, Felt Washer, Outer
GG-164	2	Washer, Felt
GGU-3	1	Head, Drive End
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
12X-196	3	Lockwasher, Retainer Screw, #10
X-295	1	BEARING, BALL, S. A. E. #203
X-489	1	Oiler

Miscellaneous Parts

GCE-24	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

NOTE: VRP-4004P CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GHK-6002A	Diamond T

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the comp ete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GHM-6001E, S1 GENERATOR PARTS LIST

GHM-6001E, S1
(Issued 5-3-57)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
DK-23C	2	Bolt, Thru
GHF-2001	1	Frame & Field Assembly
GBY-38A	2	Screw, Pole Shoe
GDW-44	1	Washer, Ins., Arm. Term.
GGU-30	1	Washer, Ins., Field Term
GGU-31	1	Washer, Plain, Field Term.
GGU-32	2	Bushing, Ins., Term. Stud
GHF-1005A	1	COIL ASSY., FIELD, COMPLETE
GEA-30G	1	Lead Assembly
X-847	1	Terminal
GGU-27	1	Stud, Field Term., #10-32
GGU-28	1	Stud, Arm. Term., 1/4-28
GHF-1007A	1	Coil, Field, Left
GHF-1008A	1	Coil, Field, Right
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term.
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-1063	2	Nut, Arm. Term., Hex 1/4-28
8X-1377	2	Nut, Field Term., Hex #10-32
12X-196	1	Lockwasher, Ground Sc., #10
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16
12X-1014	2	Lockwasher, Thru Bolt, 5/16

Comm. End Head Assembly & Parts Used With

GGU-2002S	1	Head Assy., Comm. End
GGU-33	1	Gasket, C. E. Cover
GGU-34	1	Cover, Comm. End
GGU-41	1	Wick, Felt
GGU-1002A	1	Head Assy., Partial, C. E.
GBW-45	2	Spring, Brush
GCJ-26	2	Arm, Brush
GGU-38A	1	BEARING, ABS. BRONZE

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
12X-195	3	Lockwasher, Cover Sc., #8
X-489	1	Oiler
8X-888	3	Screw, C. E. Cover, Fill. Hd. #8-32x5/16
GJC-2012AS	1	BRUSH SET
12X-195	2	Lockwasher, Lead Sc., #8
8X-305	2	Screw, Brush Lead Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm. Shaft, D. E.
*	1	Spacer, Arm. Shaft
GHM-2006F	1	ARMATURE ASSY.
GAR-171	1	Snap Ring
GR-32	1	Retainer, Felt Washer
*	1	Pulley, Drive
X-261	1	Key, Woodruff, #6
12X-864	1	Lockwasher, Shaft, D. E.

Drive End Head Assembly & Parts Used With

GGU-1003	1	Head Assy., Drive End
GBM-124	1	Gasket, Brg. Retainer
GBM-125	1	Retainer, Felt Washer, Inner
GBM-127	1	Retainer, Bearing
GBM-128	1	Retainer, Felt Washer, Outer
GG-164	2	Washer, Felt
GGU-3	1	Head, Drive End
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
12X-196	3	Lockwasher, Retainer Sc., #10
X-295	1	BEARING, BALL, S. A. E. #203
X-489	1	Oiler

Miscellaneous Parts

GCE-24	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

Note: VRX-6201A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

* See table following parts list for part number applying to assembly wanted

Assembly No.	Pulley	Spacer
GHM-6001E	PU-1237	None
GHM-6001-S1	None	GEG-55

UNIT	APPLICATION
GHM-6001E	Chrysler, Imperial
GHM-6001-S1	Service Generator

Printed in U. S. A.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GHM-6002A, D, E, S1 GENERATOR PARTS LIST

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
DK-23C	2	Bolt, Thru
GHF-2001	1	Frame & Field Assembly
GBY-38A	2	Screw, Pole Shoe
GDW-44	1	Washer, Ins., Arm. Term.
GGU-30	1	Washer, Ins., Field Term.
GGU-31	1	Washer, Plain, Field Term.
GGU-32	2	Bushing, Ins., Term. Stud
GHF-1005A	1	COIL ASSY., FIELD, COMPLETE
GEA-30G	1	Lead Assembly
X-847	1	Terminal
GGU-27	1	Stud, Field Term., #10-32
GGU-28	1	Stud, Arm., Term., 1/4-28
GHF-1007A	1	Coil, Field, Left
GHF-1008A	1	Coil, Field, Right
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term.
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
12X-196	1	Lockwasher, Ground Screw, #10
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16
12X-1014	2	Lockwasher, Thru Bolt, 5/16

Comm. End Head Assembly & Parts Used With

GGU-53	1	Gasket, Brg. Retainer
GGU-1050	1	Retainer Assy., Bearing
GGU-51	1	Retainer, Felt Washer
GGU-52	1	Washer, Felt
GGU-2048S	1	Head Assy., Comm. End
GBW-45	2	Spring, Brush
GCJ-26	2	Arm, Brush
GGW-19	1	Retainer, Outer
GJC-2012AS	1	BRUSH SET
8X-118	4	Screw, Brg. Retainer, Fill. Hd. #10-32x3/4
12X-195	2	Lockwasher, Lead Sc., #8
12X-196	4	Lockwasher, Retainer Sc., #10
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler
X-3135	1	BEARING, BALL

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GBM-21B	1	Nut, Arm. Shaft, D. E.
*	1	Coupling
GGW-40	1	Spacer, Arm. Shaft
*	1	Washer, Plain, Coupling Mtg.
GHM-2042F	1	ARMATURE
*	1	Pulley, Drive
X-263	1	Key, Woodruff, #8
12X-864	1	Lockwasher, Shaft, D. E.
*	1	Screw, Coupling Mtg., Rd. Hd. 1/4-20x1/2

Drive End Head Assembly & Parts Used With

GGU-1045	1	Head Assy., Drive End
GGF-9	2	Washer, Felt
GGF-10	1	Retainer, Felt Washer, Outer
GGF-11	1	Gasket, Brg. Retainer
GGF-12	1	Retainer, Felt Washer, Inner
GGF-13	1	Retainer, Bearing
GGU-45	1	Head, Drive End
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
12X-196	3	Lockwasher, Retainer Screw, #10
X-298	1	BEARING, BALL, S. A. E. #204
X-489	1	Oiler

Miscellaneous Parts

GCE-24	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

NOTE: VRX-6003A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator

* See table following parts list for part number applying to assembly wanted

(Continued on Reverse Side)

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GHM-6002A, D, E, S1 GENERATOR PARTS (Cont.)

Assembly No.	Coupling	Washer	Pulley	Screw
GHM-6002A	None	None	PU-61	None
GHM-6002D	GGW-34	GGW-71	PU-90	X-3187
GHM-6002E	None	None	PU-96	None
GHM-6002-S1	None	None	None	None

UNIT	APPLICATION
GHM-6002A, E	Chrysler (8)
GHM-6002D	Dodge Tr. (6)
GHM-6002-S1	Service Generator

Printed in U. S. A.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

File in
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ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GHM-6003A, B, C, D, S1, SN1 GENERATOR PARTS LIST

GHM-6003A, B, C, D, S1, SN-1
(Issued 5-3-57)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
DK-23C	2	Bolt Thru
GHF-2001	1	Frame & Field Assembly
GBY-38A	2	Screw, Pole Shoe
GDW-44	1	Washer, Ins., Arm. Term.
GGU-30	1	Washer, Ins., Field Term.,
GGU-31	1	Washer, Plain, Field Term.
GGU-32	2	Bushing, Ins., Term. Stud
GHF-1005A	1	COIL ASSEMBLY, FIELD, COMPLETE
GEA-30G	1	Lead Assembly
X-847	1	Terminal
GGU-27	1	Stud, Field Term., #10-32
GGU-28	1	Stud, Arm. Term., 1/4-28
GHF-1007A	1	Coil, Field, Left
GHF-1008A	1	Coil, Field, Right
MN-21	2	Pin Dowel
SW-634	1	Washer, Plain, Arm. Term.
12X-196	2	Lockwasher Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-1063	2	Nut, Arm. Term. Hex. 1/4-28
8X-1377	2	Nut, Field Term. Hex. 10-32
12X-196	1	Lockwasher, Ground Sc., 10
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16
12X-1014	2	Lockwasher, Thru Bolt, 5/16

Comm. End Head Assembly & Parts Used With

DA-39	1	Washer, Plain, Felt Retaining
DA-132	1	Washer, Felt
GGU-2070S	1	Head Assy., Comm. End
GBW-45	2	Spring, Brush
GCJ-26	2	Arm, Brush
GGW-93	1	Retainer, Outer
GJC-2012AS	1	BRUSH SET
12X-195	2	Lockwasher, Lead Sc., #8
X-295	1	BEARING: BALL, S. A. E. #203
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm. Shaft, D. E.
GGW-40	1	Spacer, Arm, Shaft
GHM-2071F	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GR-32	1	Retainer, Felt Washer
*	1	Pulley, Drive
X-263	1	Key, Woodruff, #8
12X-864	1	Lockwasher, Shaft, D. E.

Drive End Head Assembly & Parts Used With

Part No.	No. Used	Name of Part
GGU-1045	1	Head Assy., Drive End
GGF-9	2	Washer, Felt
GGF-10	1	Retainer, Felt Washer, Outer
GGF-11	1	Gasket, Brg. Retainer
GGF-12	1	Retainer, Felt Washer, Inner
GGF-13	1	Retainer, Bearing
GGU-45	1	Head, Drive End
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
12X-196	3	Lockwasher, Retainer Screw #10
X-298	1	BEARING, BALL, S. A. E. #204
X-489	1	Oiler

Miscellaneous Parts

GCE-24	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square, 10-32

NOTE:* CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

* See table following parts list for part number applying to assembly wanted.

Assembly No.	Pulley	Regulator
GHM-6003A	PU-61	VRX-6003B
GHM-6003B	PU-60	VRX-6201A
GHM-6003C	PU-95	VRX-6201A
GHM-6003D	PU-231	VRX-6009B
GHM-6003-S1	None	VRX-6003B
GHM-6003-SN-1	None	VRX-6201A

UNIT	APPLICATION
GHM-6003A	Imperial
GHM-6003B	Plymouth (8), Dodge(8) DeSoto
GHM-6003C	Plymouth (6)
GHM-6003D	Checker Cab
GHM-6003-S1	Service Gen. (Pos.)
GHM-6003-SN-1	Service Gen. (Neg.)

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GHM-6004A, B, C, D, E, F, G, S, S1 GENERATOR PARTS LIST GHM-6004A, B, C, D, E, F, G, S, S1 (Issued 5-3-57)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
DK-23C	2	Bolt Thru
GHF-2001	1	Frame & Field Assembly
GBY-38A	2	Screw, Pole Shoe
GDW-44	1	Washer, Ins., Arm. Term.
GGU-30	1	Washer, Ins., Field Term.
GGU-31	1	Washer, Plain, Field Term.
GGU-32	2	Bushing, Ins., Term. Stud
GHF-1005A	1	COIL ASSY., FIELD, COMPLETE
GEA-30G	1	Lead Assembly
X-847	1	Terminal
GGU-27	1	Stud, Field Term., #10-32
GGU-28	1	Stud, Arm. Term., 1/4-28
GHF-1007A	1	Coil, Field, Left
GHF-1008A	1	Coil, Field, Right
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term.
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., #1/4
8X-1063	2	Nut, Arm. Term., Hex. #1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
12X-196	1	Lockwasher, Ground Sc., #10
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16
12X-1014	2	Lockwasher, Thru Bolt, 5/16

Comm. End Head Assembly & Parts Used With

DA-22	1	Washer, Bearing Retaining
DA-39	1	Washer, Plain, Felt Retaining
DA-60	1	Screw, Bearing Retaining
DA-132	1	Washer, Felt
GBJ-25	1	Gasket, C. E. Cover
GBJ-32A	1	Cover, Comm. End
GGU-2060S	1	Head Assy., Comm. End
GBW-45	2	Spring, Brush
GCJ-26	2	Arm, Brush
GJC-2012AS	1	BRUSH SET
12X-195	2	Lockwasher, Lead Sc., #8
12X-196	3	Lockwasher, Cover Screw, #10
12X-199	1	Lockwasher, Brg. Retaining Sc., 1/4

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
X-295	1	BEARING, BALL, S. A. E. #203
8X-305	2	Screw, Brush Lead, Rd. Hd. 8-32x1/4
X-489	1	Oiler
8X-870	3	Screw, Cover, Fill. Hd. #10-32x5/16

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm, Shaft, D. E.
*	1	Spacer, Arm. Shaft
GHM-2059F	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GR-32	2	Retainer, Felt Washer
*	1	Pulley, Drive
X-261	1	Key, Woodruff, 6
12X-864	1	Lockwasher, Shaft, D. E.

Drive End Head Assembly & Parts Used With

GGU-1003	1	Head Assy., Drive End
GBM-124	1	Gasket, Brg. Retainer
GBM-125	1	Retainer, Felt Washer, Inner
GBM-127	1	Retainer, Bearing
GBM-128	1	Retainer, Felt Washer, Outer
GG-164	2	Washer, Felt
GGU-3	1	Head, Drive End
GGW-52	3	Screw, Brg. Retainer Rd. Hd. 10-32x1/2
12X-196	3	Lockwasher, Retainer Sc., #10
X-295	1	BEARING, BALL, S. A. E. #203
X-489	1	Oiler

Miscellaneous Parts

GCE-24	1	Band, Cover
8X-714	1	Screw, Cover Band Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band Square #10-32

Note:* CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

* See table following parts list for part number applying to assembly wanted.

(Continued on Reverse Side)

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Assy. No.	Spacer	Pulley	Regulator
GHM-6004A	GEG-55	PU-137	VRX-6201A
GHM-6004B	GEG-55	PU-194	VRX-6201A
GHM-6004C	None	PU-1216	VRX-6201A
GHM-6004D	None	SP-1977	VRX-6201A
GHM-6004E	GEG-55	SP-894	VRX-6201A
GHM-6004F	GEG-55	SP-471B	VRX-6009B
GHM-6004G	GEG-55	SP-887	VRX-6201A
GHM-6004S	GEG-55	None	
GHM-6004-S1	GEG-55	None	VRX-6201A

UNIT	APPLICATION
GHM-6004A	Plymouth (6), Dodge (6)
GHM-6004B	Dodge (8)
GHM-6004C	Plymouth, Dodge, DeSoto, Chrysler
GHM-6004D, E, G	Dodge Truck(6)
GHM-6004F	Checker Cab
GHM-6004S	A-L Spec. Duty Gen.
GHM-6004-S1	Chrysler Service

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking su -parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
DK-23C	2	Bolt, Thru
GHF-2067	1	Frame & Field Assembly
GBY-38A	2	Screw, Pole Shoe
GDW-44	1	Washer, Ins., Arm. Term.
GGU-30	1	Washer, Ins., Field Term.
GGU-31	1	Washer, Plain, Field Term.
GGU-32	2	Bushing, Ins., Term. Stud
GHF-1005A	1	COIL ASSEMBLY, FIELD COMPLETE
GEA-30G	1	Lead Assembly
X-847	1	Terminal
GGU-27	1	Stud, Field Term., #10-32
GGU-28	1	Stud, Arm. Term., 1/4-28
GHF-1007A	1	Coil, Field, Left
GHF-1008A	1	Coil, Field, Right
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term.
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
12X-196	1	Lockwasher, Ground Sc., #10
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16
12X-1014	2	Lockwasher, Thru Bolt, 5/16

Comm. End Head Assembly & Parts Used With

DA-22	1	Washer, Bearing Retaining
DA-39	1	Washer, Plain, Felt Retaining
DA-60	1	Screw, Bearing Retaining
DA-132	1	Washer, Felt
GBJ-25	1	Gasket, Cover
GBJ-32A	1	Cover, Comm. End
GGU-2069S	1	Head Assy., Comm. End
GBW-45	2	Spring, Brush
GCJ-26	2	Arm, Brush
GJC-2012AS	1	BRUSH SET
12X-195	2	Lockwasher, Lead Screw, #8
12X-196	3	Lockwasher, Cover Screw, #10
12X-199	1	Lockwasher, Brg. Retaining Screw, 1/4
X-295	1	BEARING, BALL, S.A.E. #203
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler
8X-870	3	Screw, C.E. Cover, Fill. Hd. #10-32x5/16

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GBM-21B	1	Nut, Arm. Shaft, D.E.
GEG-55	1	Spacer, Arm. Shaft
GHM-2059F	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GR-32	2	Retainer, Felt Washer
X-261	1	Key, Woodruff, #6
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

GGU-1068	1	Head Assy., Drive End
GBM-124	1	Gasket, Brg. Retainer
GBM-125	1	Retainer, Felt Washer Inner
GBM-127	1	Retainer, Bearing
GBM-128	1	Retainer, Felt Washer, Outer
GG-164	2	Washer, Felt
GGU-68	1	Head, Drive End
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
12X-196	3	Lockwasher, Retainer Screw, #10
X-295	1	Bearing, Ball, S.A.E. #203
X-489	1	Oiler

Miscellaneous Parts

GCE-24	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

UNIT	APPLICATION
GHM-6005S	Service Generator

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
DK-23C	2	Bolt, Thru
GHF-2001	1	Frame & Field Assembly
GBY-38A	2	Screw, Pole Shoe
GDW-44	1	Washer, Ins., Arm. Term.
GGU-30	1	Washer, Ins., Field Term.
GGU-31	1	Washer, Plain, Field Term.
GGU-32	2	Bushing, Ins., Term. Stud
GHF-1005A	1	COIL ASSY., FIELD COMPLETE
GEA-30G	1	Lead Assembly
X-847	1	Terminal
GGU-27	1	Stud, Field Term.,#10-32
GGU-28	1	Stud, Arm. Term., 1/4-28
GHF-1007A	1	Coil, Field, Left
GHF-1008A	1	Coil, Field, Right
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term.
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm, Term., 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
12X-196	1	Lockwasher, Ground Sc., #10
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16
12X-1014	2	Lockwasher, Thru Bolt, 5/16

Comm. End Head Assembly & Parts Used With

DA-22	1	Washer, Bearing Retaining
DA-39	1	Washer, Plain, Felt Retaining
DA-60	1	Screw, Bearing Retaining
DA-132	1	Washer, Felt
GBJ-25	1	Gasket, C. E. Cover
GBJ-32A	1	Cover, Comm. End
GGU-2060S	1	Head Assy., Comm. End
GBW-45	2	Spring, Brush
GCJ-26	2	Arm, Brush
GJC-2012AS	1	BRUSH SET
12X-195	2	Lockwasher, Lead Sc., #8
12X-196	3	Lockwasher, Cover Screw, #10
12X-199	1	Lockwasher, Brg. Retaining Sc., 1/4
X-295	1	BEARING, BALL, S. A. E. #203
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler
8X-870	3	Screw, Cover, Fill. Hd. #10-32x5/16

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GBM-21B	1	Nut, Arm, Shaft, D. E.
GEG-55	1	Spacer, Arm, Shaft
GHM-2059F	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GR-32	2	Retainer, Felt Washer
*	1	Pulley, Drive
X-261	1	Key, Woodruff, 6
12X-864	1	Lockwasher, Shaft, D. E.

Drive End Head Assembly & Parts Used With

GGU-1064	1	Head Assy., Drive End
GBM-124	1	Gasket, Brg. Retainer
GBM-125	1	Retainer, Felt Washer, Inner
GBM-127	1	Retainer, Bearing
GBM-128	1	Retainer, Felt Washer, Outer
GG-164	2	Washer, Felt
GGU-64	1	Head, Drive End
GGW-52	3	Sc., Brg. Retainer, Rd. Hd. #10-32x1/2
12X-196	3	Lockwasher, Retainer Sc., 10
X-295	1	BEARING, BALL, S. A. E. #203
X-489	1	Oiler

Miscellaneous Parts

GCE-24	1	Band, Cover
8X-714	1	Screw, Cover, Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

Note: VRX-6201A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator

* See table following parts list for part number applying to assembly wanted

Assy. No.	Pulley
GHM-6007A	PU-137
GHM-6007B	SP-976
GHM-6001-S1	None

UNIT	APPLICATION
GHM-6007A	Dodge (8), Plymouth (8)
GHM-6007B	Dodge Truck (8)
GHM-6007-S1	Service Generator

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GHM-6008A, S1 GENERATOR PARTS LIST

GHM-6008A, S1
(Issued 5-3-57)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
DK-23C	2	Bolt, Thru
GHF-2001	1	Frame & Field Assembly
GBY-38A	2	Screw, Pole Shoe
GDW-44	1	Washer, Ins., Arm. Term.
GGU-30	1	Washer, Ins., Field Term.
GGU-31	1	Washer, Plain, Field Term.
GGU-32	2	Bushing, Ins., Term. Stud
GHF-1005A	1	COIL ASSY., FIELD, COMPLETE
GEA-30G	1	Lead Assembly
X-847	1	Terminal
GGU-27	1	Stud, Field Term., #10-32
GGU-28	1	Stud, Arm. Term., 1/4-28
GHF-1007A	1	Coil, Field, Left
GHF-1008A	1	Coil, Field, Right
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term.
12X-196	2	Lockwasher, Field, Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
12X-196	1	Lockwasher, Ground Sc., #10
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16
12X-1014	2	Lockwasher, Thru Bolt, 5/16

Comm. End Head Assembly & Parts Used With

GGU-2002S	1	Head Assy., Comm. End
GGU-33	1	Gasket, C. E. Cover
GGU-34	1	Cover, Comm. End
GGU-41	1	Wick, Felt
GGU-1002A	1	Head Assy., Partial C. E.
GGW-45	2	Spring, Brush
GJC-26	2	Arm, Brush
GGU-38A	1	BEARING, ABS. BRONZE
12X-195	3	Lockwasher, Cover Sc., #8
X-489	1	Oiler
8X-888	3	Screw, C. E. Cover, Fill
GJC-2012AS	1	BRUSH SET
12X-195	2	Lockwasher, Lead Sc. #8
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GBM-21B	1	Nut, Arm. Shaft, D. E.
GGW-40	1	Spacer, Arm. Shaft
GHM-2046F	1	ARMATURE ASSY.
*	1	Pulley, Drive
X-263	1	Key, Woodruff, #8
12X-864	1	Lockwasher, Shaft D. E.

Drive End Head Assembly & Parts Used With

GGU-1045	1	Head Assy., Drive End
GGF-9	2	Washer, Felt
GGF-10	1	Retainer, Felt Washer, Outer
GGF-11	1	Gasket, Brg. Retainer
GGF-12	1	Retainer, Felt Washer, Inner
GGF-13	1	Retainer, Bearing
GGU-45	1	Head, Drive End
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
12X-196	3	Lockwasher, Retainer Sc. #10
X-298	1	BEARING, BALL, S. A. E. #204
X-489	1	Oiler

Miscellaneous Parts

GCE-24	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square # 10-32

Note: VRX-6201A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator

* See table following parts list for part number applying to assembly wanted.

Assembly No.	Pulley
GHM-6008A	PU-145
GHM-6008-S1	None

UNIT	APPLICATION
GHM-6008A	Dodge Truck
GHM-6008-S1	Service Generator

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ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GHM-6009A, S1 GENERATOR PARTS LIST

GHM-6009A, S1
(Issued 5-3-57)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
DK-23C	2	Bolt, Thru
GHF-2001	1	Frame & Field Assembly
GBY-38A	2	Screw, Pole Shoe
GDW-44	1	Washer, Ins., Arm. Term.
GGU-30	1	Washer, Ins., Field, Term.
GGU-31	1	Washer, Plain, Field, Term.
GGU-32	2	Bushing, Ins., Term. Stud
GHF-1005A	1	COIL ASSY., FIELD, COMPLETE
GEA-30G	1	Lead Assembly
X-847	1	Terminal
GGU-27	1	Stud, Field Term., #10-32
GGU-28	1	Stud, Arm. Term., 1/4-28
GHF-1007A	1	Coil, Field, Left
GHF-1008A	1	Coil, Field, Right
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term.
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
12X-196	1	Lockwasher, Ground Sc., #10
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16
12X-1014	2	Lockwasher, Thru Bolt, 5/16

Comm. End Head Assembly & Parts Used With

GGU-2002S	1	Head Assy., Comm. End
GGU-33	1	Gasket, C. E. Cover
GGU-34	1	Cover, Comm. End
GGU-41	1	Wick, Felt
GGU-1002A	1	Head Assy., Partial, C. E.
GBW-45	2	Spring, Brush
GCJ-26	2	Arm, Brush
GGU-38A	1	BEARING, ABS. BRONZE
12X-195	3	Lockwasher, Cover Sc. #8
X-489	1	Oiler
8X-888	3	Screw, C. E. Cover
GJC-2012AS	1	BRUSH SET
12X-195	2	Lockwasher, Lead Sc., #8
8X-305	2	Screw Brush Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GBM-21B	1	Nut, Arm. Shaft, D. E.
GGW-40	1	Spacer, Arm. Shaft
GHM-2046F	1	ARMATURE
*	1	Pulley, Drive
X-263	1	Key Woodruff #8
12X-864	1	Lockwasher, Shaft, D. E.

Drive End Head Assembly & Parts Used With

GGU-1065	1	Head Assy., Drive End
GCF-9	2	Washer, Felt
GGF-10	1	Retainer, Felt Washer, Outer
GGF-11	1	Gasket, Brg. Retainer
GGF-12	1	Retainer, Felt, Washer, Inner
GGF-13	1	Retainer, Bearing
GGU-65	1	Head, Drive End
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
12X-196	3	Lockwasher, Retainer Sc., #10
X-298	1	BEARING, BALL S. A. E. #204
X-489	1	Oiler

Miscellaneous Parts

GCE-24	1	Band Cover
8X-714	1	Screw, Cover Band Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band Square #10-32

Note: VRX-6201A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

* See table following parts list for part number applying to assembly wanted.

Assembly No.	Pulley
GHM-6009A	Pu-107
GHM-6009-S1	None

UNIT	APPLICATION
GHM-6009A GHM-6009-S1	Dodge Truck Service Generator

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ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GHM-6010A, S1 GENERATOR PARTS LIST

GHM-6010A, S1
(Issued 3-22-57)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
DK-23C	2	Bolt, Thru
GHF-2001	1	Frame & Field Assembly
GBY-38A	2	Screw, Pole Shoe
GDW-44	1	Washer, Ins. Arm. Term.
GGU-30	1	Washer. Ins., Field Term.
GGU-31	1	Washer, Plain, Field Term.
GGU-32	2	Bushing, Ins., Term. Stud
GHF-1005A	1	COIL ASSY., FIELD COMPLETE
GEA-30G	1	Lead Assembly
X-847	1	Terminal
GGU-27	1	Stud, Field Term., #10-32
GGU-28	1	Stud, Arm. Term., 1/4-28
GHF-1007A	1	Coil, Field, Left
GHF-1008A	1	Coil, Field, Right
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term.
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
12X-196	1	Lockwasher, Ground Sc., #10
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16
12X-1014	2	Lockwasher, Thru Bolt, 5/16

Comm. End Head Assembly & Parts Used With

GGU-2002S	1	Head Assy., Comm. End
GGU-33	1	Gasket, C. E, Cover
GGU-34	1	Cover, Comm. End
GGU-41	1	Wick, Felt
GGU-1002A	1	Head Assy., Partial C. E.
GBW-45	2	Spring, Brush
GCJ-26	2	Arm, Brush
GGU-38A	1	BEARING, ABS. BRONZE
12X-195	3	Lockwasher, Cover SC., #8
X-489	1	Oiler
8X-888	3	Screw, C. E. Cover, Fill. Hd. #8-32x5/16

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
GJC-2012AS	1	BRUSH SET, SERVICE
12X-195	2	Lockwasher Lead Sc. #8
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm, Shaft, D. E.
GEG-55	1	Spacer, Arm. Shaft
GHM-2006F	1	ARMATURE ASSY.
GAR-171	1	Snap Ring
GR-32	1	Retainer, Felt Washer
*	1	Pulley, Drive
X-261	1	Key, Woodruff, #6
12X-864	1	Lockwasher, Shaft, D. E.

Drive End Head Assembly & Parts Used With

GHM-1003	1	Head Assy., Drive End
GBM-124	1	Gasket, Brg. Retainer
GBM-125	1	Retainer, Felt Washer, Inner
GBM-127	1	Retainer, Bearing
GBM-128	1	Retainer, Felt Washer, Outer
GG-164	2	Washer, Felt
GGW-52	3	Screw, Brg. Retainer Rd. Hd. #10-32x1/2
GHM-3	1	Head, Drive End
12X-196	3	Lockwasher, Retainer Sc., #10
X-295	1	Bearing, Ball, S. A. E. #203
X-489	1	Oiler

Miscellaneous Parts

GCE-24	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band Square #10-32

Note: VRX-6201A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

* See table following parts list for part number applying to assembly wanted

Assembly No.	Pulley
GHM-6010A	PU-1237
GHM-6010-S1	None

UNIT	APPLICATION
GHM-6010A	Chrysler 300
GHM-6010-S1	Service Generator

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ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
DK-23C	2	Bolt, Thru
GHF-2001	1	Frame & Field Assembly
GBY-38A	2	Screw, Pole Shoe
GDW-44	1	Washer, Ins., Arm. Term.
GGU-30	1	Washer, Ins., Field Term.
GGU-31	1	Washer, Plain, Field Term.
GGU-32	2	Bushing, Ins., Term. Stud
GHF-1005A	1	COIL ASSY., FIELD, COMP.
GEA-30G	1	Lead Assembly
X-847	1	Terminal
GGU-27	1	Stud, Field Term., #10-32
GGU-28	1	Stud, Arm. Term., 1/4-28
GHF-1007A	1	Coil, Field, Left
GHF-1008A	1	Coil, Field, Right
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term.
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. 10-32
12X-196	1	Lockwasher, Ground Sc., #10
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16
12X-1014	2	Lockwasher, Thru Bolt, 5/16

Comm. End Head Assembly & Parts Used With

DA-22	1	Washer, Bearing Retaining
DA-39	1	Washer, Plain, Felt Retaining
DA-60	1	Screw, Bearing Retaining
DA-132	1	Washer, Felt
GBJ-25	1	Gasket, C. E. Cover
GBJ-32A	1	Cover, Comm. End
GJC-2012AS	1	BRUSH SET, SERVICE
GGU-2060S	1	Head Assy., Comm. End
GBW-45	2	Spring, Brush
GCJ-26	2	Arm, Brush
12X-195	2	Lockwasher, Lead Sc., #8
12X-196	3	Lockwasher, Cover Sc., #10
12X-199	1	Lockwasher, Brg. Retaining Screw, 1/4
X-295	1	BEARING, BALL, S. A. E. #203
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler
8X-870	3	Screw, Cover, Fill. Hd. #10-32x5/16

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GBM-21B	1	Nut, Arm, Shaft, D. E.
GHM-2059F	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GR-32	2	Retainer, Felt Washer
*	1	Pulley, Dr.
X-261	1	Key, Woodruff, #6
12X-864	1	Lockwasher, Shaft, D. E.

Drive End Head Assembly & Parts Used With

GHM-1003	1	Head Assy., Drive End
GBM-124	1	Gasket, Brg. Retainer
GBM-125	1	Retainer, Felt Washer, Inner
GBM-127	1	Retainer, Bearing
GBM-128	1	Retainer, Felt Washer, Outer
GG-164	2	Washer, Felt
GHM-3	1	Head, Drive End
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
12X-196	3	Lockwasher, Retainer Sc. #10
X-295	1	BEARING, BALL, S. A. E. #203
X-489	1	Oiler

Miscellaneous Parts

GCE-24	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

Note: VRX-6201A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

* See table following parts list for part number applying to assembly wanted.

Assy. No.	Pulley
GHM-6011A	PU-1216
GHM-6011-S1	None

UNIT	APPLICATION
GHM-6011A	Chrysler 300 DeSoto Adventurer
GHM-6011-S1	Service Generator

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ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
DK-23D	2	Bolt, Thru
GHP-2001S‡	1	Frame & Field Assembly
X-20	1	Screw, Ground, Rd. Hd. #10-32x5/16
12X-196	2	Lockwasher, Field Term. & Ground Screw, #10
12X-199	1	Lockwasher, Arm. Term., 1/4
12X-1014	2	Lockwasher, Thru Bolt, 5/16
X-1649	1	Nut, Arm. Term., Hex. 1/4-28
X-2853	1	Nut, Field Term., Hex. #10-32

Comm. End Head Assembly & Parts Used With

GBW-2012CS	1	BRUSH SET, SERVICE
GHP-2002S	1	Head Assembly, Comm. End
GGU-33	1	Gasket, C.E. Cover
GGU-34B	1	Cover, Comm. End
GGU-41	1	Wick, Felt
GGU-1002G	1	Head Assembly, Partial, C.E.
GBW-45A	2	Spring, Brush
GCJ-26B	2	Arm, Brush
GGU-38A	1	BEARING, ABS. BRONZE
12X-195	3	Lockwasher, Cover Sc., #8
X-489A	1	Oiler
X-1754	3	Screw, Cover, Fill. Hd. #8-32x5/16
12X-195	2	Lockwasher, Lead Screw, #8
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

GBM-21C	1	Nut, Arm. Shaft, D.E.
GHF-2006AFT	1	ARMATURE ASSEMBLY
GAR-171A	1	Snap Ring
GR-32B	1	Retainer, Felt Washer
*	1	Pulley, Drive
X-261	1	Key, Woodruff, #6
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

GGU-1003C	1	Head Assy., Drive End
GBM-124	1	Gasket, Brg. Retainer
GBM-125A	1	Retainer, Felt Washer, Inner
GBM-127A	1	Retainer, Bearing
GBM-128A	1	Retainer, Felt Washer, Outer
GG-164	2	Washer, Felt
GGU-3C	1	Head, Drive End
GGW-52A	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2

Drive End Head (Continued)

Part No.	No. Used	Name of Part
12X-196	3	Lockwasher, Retainer Screw, #10
X-295	1	BEARING, BALL, S.A.E. #203
X-489A	1	Oiler

Miscellaneous Parts

GCE-24P	1	Band, Cover
X-2875	1	Nut, Cover Band, Square #10-32
X-2882	1	Screw, Cover Band, Fill. Hd. #10-32x1 1/2

Note: VBJ-6001AT CURRENT VOLTAGE REGULATOR is used with but is not a part of this generator.

* See table following parts list for part number applying to assembly wanted.

ASSY. NO.	PULLEY
GHP-6002AT	SP-1913A
GHP-6002BT	PU-1041A
GHP-6002T-S1	None

‡ Due to the method of installing field coils and other components in the frame and field of fungus resistant assemblies, it is necessary to replace the frame and field assembly if field coils are required.

UNIT	APPLICATION
GHP-6002AT, BT	Chrysler (Ind. Eng.)
GHP-6002T-S1	Chrysler Service

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GHR-4801M, NM GENERATOR PARTS LIST

GHR-4801M, NM
(Issued 11-6-56)

Frame & Field Assembly & Part Used With

Part No.	No. Used	Name of Part
GHR-20	2	Bolt, Thru
GHR-2081	1	Frame & Field Assembly
GAA-32	1	Washer, Ins., Field Term. Outer
GC-26	1	Washer, Ins., Field Term.
GDW-22	1	Insulation, Arm. Term., Inner
GGE-33	1	Bushing, Ins., Arm. Term.
GGU-32	1	Bushing, Ins., Field Term.
GHR-1005	1	COIL ASSEMBLY FIELD, COMPLETE
GDW-23A	1	Stud, Arm. Term., 5/16-24
GDZ-28	1	Stud, Field Term., 1/4-28
GGU-40A	1	Lead Assembly
GHR-1007	1	Coil, Field, Left
GHR-1008	1	Coil, Field, Right
GK-38C	2	Screw, Pole Shoe
MN-21A	2	Pin, Dowel
MU-37G	1	Washer, Plain, Arm. Term.
SS-13	1	Washer, Ins., Arm. Term. Outer
VAD-79	1	Washer, Ins., Arm. Term.
X-180	1	Nut, Arm. Term., Hex. 5/16-24
X-187	1	Washer, Field Term., Plain #14
12X-199	1	Lockwasher, Field Term., 1/4
12X-1014	1	Lockwasher, Arm. Term., 5/16
X-2903	1	Nut, Field Term., Hex. 1/4-28
X-20	1	Screw, Ground, Rd. Hd. #10-32x5/16
12X-196	1	Lockwasher, Ground Screw, #10
12X-199	3	Lockwasher, Thru Bolt & Field Term., 1/4
12X-1014	1	Lockwasher, Arm. Term., 5/16
X-1649	1	Nut, Field Term., Hex. 1/4-28
X-2843	1	Nut, Arm. Term. Hex. 5/16-24

Comm. End Head Assembly & Part Used With

GGU-2012S	1	BRUSH SET, SERVICE
GGY-2017BS	1	Head Assembly, Comm. End
GAL-40E	1	Cover, Bearing, C. E.
GCJ-26B	2	Arm, Brush
GGU-38A	1	BEARING, ABS. BRONZE
GGW-41	1	Wick, Felt

Comm. End Head Assembly (Con't)

Part No.	No. Used	Name of Part
GGY-45A	2	Spring, Brush
X-489A	1	Oiler
X-10	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
12X-195	2	Lockwasher, Lead Screw, #8

Armature Assembly & Parts Used With

GDZ-1085	1	Oil Thrower
GHR-2006FM	1	ARMATURE

Drive End Head Assembly & Parts Used With

GHR-1003	1	Head Assy., Drive End
GGF-13A	1	Retainer, Bearing
GHR-3	1	Head, Drive End
GHR-31	1	Gasket
19X-705	3	Screw, Retainer, Bdg. Hd. #10-32x3/8
X-1270	3	Washer, Retainer Screw, Skpf., #10
X-3003	1	BEARING, BALL, S. A. E. #204

Miscellaneous Parts

GAL-1024J	1	Band, Cover
X-2875	1	Nut, Cover Band, Square #10-32
X-2882	1	Screw, Cover Band, Fill. Hd. #10-32x1 1/2

NOTE: VRW-6003BM CURRENT VOLTAGE REGULATOR (Positive Ground) is used with but is not a part of GHR-4801M. VRW-6004BM CURRENT VOLTAGE REGULATOR (Negative Ground) is used with but is not a part of GHR-4801NM.

UNIT	APPLICATION
GHR-4801M, NM	Chrysler Marine

Printed in U. S. A.

File in
Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GHR-4802M, NM GENERATOR PARTS LIST

GHR-4802M, NM
(Issued 11-6-56)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GHR-20	2	Bolt, Thru
GHR-2081	1	Frame & Field Assembly
GAA-32	1	Washer, Ins., Field Term., Outer
GC-26	1	Washer, Ins., Field Term.
GDW-22	1	Insulation, Arm. Term., Inner
GGE-33	1	Bushing, Ins., Arm. Term.
GGU-32	1	Bushing, Ins., Field Term.
GHR-1005	1	COIL ASSEMBLY, FIELD, COMPLETE
GDW-23A	1	Stud, Arm. Term., 5/16-24
GDZ-28	1	Stud, Field Term., 1/4-28
GGU-40A	1	Lead Assembly
GHR-1007	1	Coil, Field, Left
GHR-1008	1	Coil, Field, Right
GK-38C	2	Screw, Pole Shoe
MN-21A	2	Pin, Dowel
MU-37G	1	Washer, Plain, Arm. Term.
SS-13	1	Washer, Ins., Arm. Term. Outer
VAD-79	1	Washer, Ins., Arm. Term.
X-180	1	Nut, Arm. Term., Hex. 5/16-24
X-187	1	Washer, Field Term., Plain #14
12X-199	1	Lockwasher, Field Term., 1/4
12X-1014	1	Lockwasher, Arm. Term., 5/16
X-2903	1	Nut, Field Term., Hex. 1/4-28
X-20	1	Screw, Ground, Rd. Hd. #10-32x5/16
12X-196	1	Lockwasher, Ground Sc., #10
12X-199	3	Lockwasher, Thru Bolt & Field Term., 1/4
12X-1014	1	Lockwasher, Arm. Term., 5/16
X-1649	1	Nut, Field Term., Hex. 1/4-28
X-2843	1	Nut, Arm. Term., Hex. 5/16-24

Comm. End Head Assembly & Part Used With

GGU-2012S	1	BRUSH SET, SERVICE
GGY-3080S	1	Head Assy., Comm. End
GAL-40E	1	Cover, Bearing, C. E.
GCJ-26B	2	Arm, Brush
GGU-38A	1	BEARING, ABS. BRONZE
GGW-41	1	Wick, Felt
GGW-83	2	Spring, Brush
X-489A	1	Oiler

Comm. End Head Assembly (Con't)

Part No.	No. Used	Name of Part
X-10	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
12X-195	2	Lockwasher, Lead Screw, #8

Armature Assembly & Parts Used With

GDZ-1085	1	Oil Thrower
GHR-2006FM	1	ARMATURE

Drive End Head Assembly & Parts Used With

GHR-1003	1	Head Assy., Drive End
GGF-13A	1	Retainer, Bearing
GHR-3	1	Head, Drive End
GHR-31	1	Gasket
19X-705	3	Screw, Retainer, Bdg. Hd. #10-32x3/8
X-1270	3	Washer, Retainer Screw Skpf., #10
X-3003	1	BEARING, BALL, S. A. E. #204

Miscellaneous Parts

GAL-1024J	1	Band, Cover
X-2875	1	Nut, Cover Band, Square #10-32
X-2882	1	Screw, Cover Band, Fill. Hd. #10-32x1 1/2

NOTE: VRW-6003BM CURRENT VOLTAGE REGULATOR (Positive Ground) is used with but is not a part of GHR-4802M. VRW-6004BM CURRENT-VOLTAGE REGULATOR (Negative Ground) is used with but is not a part of GHR-4802NM.

UNIT	APPLICATION
GHR-4802M, NM	Chrysler Marine

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File in
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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GHU-4801M, NM GENERATOR PARTS LIST

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GHR-20	2	Bolt, Thru
GHR-2081	1	Frame & Field Assembly
GAA-32	1	Washer, Ins., Field Term., Outer
GC-26	1	Washer, Ins., Field Term.
GDW-22	1	Insulation, Arm. Term., Inner
GGE-33	1	Bushing, Ins., Arm. Term.
GGU-32	1	Bushing, Ins., Field Term.
GHR-1005	1	COIL ASSEMBLY, FIELD, COMPLETE
GDW-23A	1	Stud, Arm. Term., 5/16-24
GDZ-28	1	Stud, Field Term., 1/4-28
GGU-40A	1	Lead Assembly
GHR-1007	1	Coil, Field, Left
GHR-1008	1	Coil, Field, Right
GK-38C	2	Screw, Pole Shoe
MN-21A	2	Pin, Dowel
MU-37G	1	Washer, Plain, Arm. Term.
SS-13	1	Washer, Ins., Arm. Term., Outer
VAD-79	1	Washer, Ins., Arm. Term.
X-180	1	Nut, Arm. Term., Hex. 5/16-24
X-187	1	Washer, Field Term., Plain #14
12X-199	1	Lockwasher, Field Term., 1/4
12X-1014	1	Lockwasher, Arm. Term., 5/16
X-2903	1	Nut, Field Term., Hex. 1/4-28
X-20	1	Screw, Ground, Rd. Hd. #10-32x5/16
12X-196	1	Lockwasher, Ground Sc., #10
12X-199	3	Lockwasher, Thru Bolt & Field Term., 1/4
12X-1014	1	Lockwasher, Arm. Term., 5/16
X-1649	1	Nut, Field Term., Hex. 1/4-28
X-2843	1	Nut, Arm. Term., Hex. 5/16-24

Comm. End Head Assembly & Parts Used With

Part No.	No. Used	Name of Part
GGU-2012S	1	BRUSH SET, SERVICE
GGY-2017BS	1	Head Assy., Comm. End
GAL-40E	1	Cover, Bearing, C. E.
GCJ-26B	2	Arm, Brush
GGU-38A	1	BEARING, ABS. BRONZE
GGW-41	1	Wick, Felt
GGY-45A	2	Spring, Brush
X-489A	1	Oiler
X-10	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
12X-195	2	Lockwasher, Lead Screw, #8

Armature Assembly & Parts Used With

GDZ-1085	1	Oil Thrower
GHU-2006FM	1	ARMATURE

Drive End Head Assembly & Parts Used With

GHR-1003	1	Head Assy., Drive End
GGF-13A	1	Retainer, Bearing
GHR-3	1	Head, Drive End
GHR-31	1	Gasket
19X-705	3	Screw, Retainer. Bdg. Hd. #10-32x3/8
X-1270	3	Washer, Retainer Screw, Skpf. #10
X-3003	1	BEARING, BALL, S. A. E. #204

Miscellaneous Parts

GAL-1024J	1	Band, Cover
X-2875	1	Nut, Cover Band, Square #10-32
X-2882	1	Screw, Cover Band, Fill. Hd. #10-32x1 1/2

NOTE: VRW-6006AM CURRENT-VOLTAGE REGULATOR is Used with but is not a part of GHU-4801M. VRW-6007AM CURRENT-VOLTAGE REGULATOR is used with but is not a part of GHU-4801NM.

UNIT	APPLICATION
GHU-4801M, NM	Chrysler Marine

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GHU-4802M, NM GENERATOR PARTS LIST

GHU-4802M, NM
(Issued 11-6-56)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GHR-20	2	Bolt, Thru
GHR-2081	1	Frame & Field Assembly
GAA-32	1	Washer, Ins., Field Term. Outer
GC-26	1	Washer, Ins., Field Term.
GDW-22	1	Insulation, Arm. Term., Inner
GGE-33	1	Bushing, Ins., Arm. Term.
GGU-32	1	Bushing, Ins., Field Term.
GHR-1005	1	COIL ASSEMBLY, FIELD, COMPLETE
GDW-23A	1	Stud, Arm. Term., 5/16-24
GDZ-28	1	Stud, Field Term., 1/4-28
GGU-40A	1	Lead Assembly
GHR-1007	1	Coil, Field, Left
GHR-1008	1	Coil, Field, Right
GK-38C	2	Screw, Pole Shoe
MN-21A	2	Pin, Dowel
MU-37G	1	Washer, Plain, Arm. Term.
SS-13	1	Washer, Ins., Arm. Term., Outer
VAD-79	1	Washer, Ins., Arm. Term.
X-180	1	Nut, Arm. Term., Hex. 5/16-24
X-187	1	Washer, Field Term., Plain #14
12X-199	1	Lockwasher, Field Term., 1/4
12X-1014	1	Lockwasher, Arm. Term., 5/16
X-2903	1	Nut, Field Term., Hex. 1/4-28
X-20	1	Screw, Ground, Rd. Hd. #10-32x5/16
12X-196	1	Lockwasher, Ground Sc., #10
12X-199	3	Lockwasher, Thru Bolt & Field Term., 1/4
12X-1014	1	Lockwasher, Arm. Term., 5/16
X-1649	1	Nut, Field Term., Hex. 1/4-28
X-2843	1	Nut, Arm. Term., Hex. 5/16-24

Comm. End Head Assembly & Parts Used With

GGU-2012S	1	BRUSH SET, SERVICE
GGY-3080S	1	Head Assy., Comm. End
GAL-40E	1	Cover, Bearing, C. E.
GCJ-26B	2	Arm, Brush
GGU-38A	1	BEARING, ABS, BRONZE

Comm. End Head Assembly (Con't)

Part No.	No. Used	Name of Part
GGW-41	1	Wick, Felt
GGW-83	2	Spring, Brush
X-489A	1	Oiler
X-10	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
12X-195	2	Lockwasher, Lead Screw, #8

Armature Assembly & Parts Used With

GDZ-1085	1	Oil Thrower
GHU-2006FM	1	ARMATURE

Drive End Head Assembly & Parts Used With

GHR-1003	1	Head Assy., Drive End
GGF-13A	1	Retainer, Bearing
GHR-3	1	Head, Drive End
GHR-31	1	Gasket
19X-705	3	Screw, Retainer, Bdg. Hd. #10-32x3/8
X-1270	3	Washer, Retainer Screw, Skpf. #10
X-3003	1	BEARING, BALL, S. A. E. #204

Miscellaneous Parts

GAL-1024J	1	Band Cover
X-2875	1	Nut, Cover Band, Square #10-32
X-2882	1	Screw, Cover Band, Fill. Hd. #10-32X1 1/2

NOTE: VRW-6006AM CURRENT-VOLTAGE REGULATOR (Positive Ground) is used with but is not a part of GHU-4802M. VRW-6007AM CURRENT-VOLTAGE REGULATOR (Negative Ground) is Used with but is not a part of GHU-4802NM.

UNIT	APPLICATION
GHU-4802M, NM	Chrysler Marine

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking su -parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GHW-4801M, NM GENERATOR PARTS LIST

GHW-4801M, NM
(Issued 11-6-56)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GHR-20	2	Bolt, Thru
GHW-2081	1	Frame & Field Assembly
GAA-32	1	Washer, Ins., Field Term., Outer
GC-26	1	Washer, Ins., Field Term.
GDW-22	1	Insulation, Arm. Term., Inner
GCE-33	1	Bushing, Ins., Arm. Term.
GGU-32	1	Bushing, Ins., Field Term.
GHW-1005	1	COIL ASSEMBLY, FIELD, COMPLETE
GDW-23A	1	Stud, Arm. Term., 5/16-24
GDZ-28	1	Stud, Field Term. 1/4-28
GGU-40A	1	Lead Assy.
GHW-1007	1	Coil, Field, Left
GHW-1008	1	Coil, Field, Right
GK-38C	2	Screw, Pole Shoe
MN-21A	2	Pin, Dowel
MU-37G	1	Washer, Plain, Arm. Term.
SS-13	1	Washer, Ins., Arm. Term., Outer
VAD-79	1	Washer, Ins., Arm. Term.
X-180	1	Washer, Arm. Term., Hex. 5/16-24
X-187	1	Washer, Field Term, Plain #14
12X-199	1	Lockwasher, Field Term., 1/4
12X-1014	1	Lockwasher, Arm. Term., 5/16
X-2903	1	Nut, Field Term., Hex. 1/4-28
X-20	1	Screw, Ground Rd. Hd. #10-32x5/16
12X-196	1	Lockwasher, Ground Sc., #10
12X-199	3	Lockwasher, Thru Bolt & Field Term., 1/4
12X-1014	1	Lockwasher, Arm. Term., 5/16
X-1649	1	Nut, Field Term., Hex. 1/4-28
X-2843	1	Nut, Arm. Term., Hex. 5/16-24

Comm. End Head Assembly & Parts Used With

GGU-2012S	1	BRUSH SET, SERVICE
GGY-2017BS	1	Head Assy., Comm. End
GAL-40E	1	Cover, Bearing, C. E.
GCJ-26B	2	Arm, Brush
GGU-38A	1	BEARING, ABS. BRONZE

Comm. End Head Assembly (Con't)

Part No.	No. Used	Name of Part
GGW-41	1	Wick, Felt
GGY-45A	2	Spring, Brush
X-489A	1	Oiler
X-10	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
12X-195	2	Lockwasher, Lead Screw, #8

Armature Assembly & Parts Used With

GDZ-1085	1	Oil Thrower
GHW-2006FM	1	ARMATURE

Drive End Head Assembly & Parts Used With

GHR-1003	1	Head Assy., Drive End
GGF-13A	1	Retainer, Bearing
GHR-3	1	Head, Drive
GHR-31	1	Gasket
19X-705	3	Screw, Retainer, Bdg. Hd. #10-32x3/8
X-1270	3	Washer, Retainer Screw, Skpf. #10
X-3003	1	BEARING, BALL, S. A. E. #204

Miscellaneous Parts

GAL-1024J	1	Band Cover
X-2875	1	Nut, Cover Band, Square #10-32
X-2882	1	Screw, Cover Band, Fill. Hd. #10-32x1 1/2

NOTE: VRU-6001AM CURRENT-VOLTAGE REGULATOR is Used with but is not a Part of GHW-4801M. VRU-6002AM CURRENT-VOLTAGE REGULATOR is used with but is not a part of GHW-4801NM.

UNIT	APPLICATION
GHW-4801M, NM	Chrysler Marine

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GHW-4802M, NM GENERATOR PARTS LIST

GHW-4802M, NM
(Issued 11-6-56)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GHR-20	2	Bolt, Thru
GHW-2081	1	Frame & Field Assembly
GAA-32	1	Washer, Ins., Field Term. Outer
GC-26	1	Washer, Ins., Field Term.
GDW-22	1	Insulation, Arm. Term. Inner
GGE-33	1	Bushing, Ins., Arm. Term.
GGU-32	1	Bushing, Ins., Field Term.
GHW-1005	1	COIL ASSEMBLY, FIELD COMPLETE
GDW-23A	1	Stud, Arm. Term. 5/16-24
GDZ-28	1	Stud, Field Term., 1/4-28
GGU-40A	1	Lead Assembly
GHW-1007	1	Coil, Field, Left
GHW-1008	1	Coil, Field, Right
GK-38C	2	Screw, Pole Shoe
MN-21A	2	Pin, Dowel
MU-37G	1	Washer, Plain, Arm. Term.
SS-13	1	Washer, Ins., Arm. Term. Outer
VAD-79	1	Washer, Ins., Arm. Term.
X-180	1	Nut, Arm. Term., Hex. 5/16-24
X-187	1	Washer, Field Term., Plain #14
12X-199	1	Lockwasher, Field Term., 1/4
12X-1014	1	Lockwasher, Arm. Term., 5/16
X-2903	1	Nut, Field Term., Hex. 1/4-28
X-20	1	Screw, Ground, Rd. Hd. #10-32x5/16
12X-196	1	Lockwasher, Ground Sc., #10
12X-199	3	Lockwasher, Thru Bolt & Field Term., 1/4
12X-1014	1	Lockwasher, Arm. Term., 5/16
X-1649	1	Nut, Field Term., Hex. 1/4-28
X-2843	1	Nut, Arm. Term., Hex. 5/16-24

Comm. End Head Assembly & Parts Used With

GGU-2012S	1	BRUSH SET, SERVICE
GGY-3080S	1	Head Assy., Comm. End
GAL-40E	1	Cover, Bearing, C. E.
GGW-38	1	BEARING, ABS. BRONZE
GGW-41	1	Wick, Felt

Comm. End Head Assembly (Con't)

Part No.	No. Used	Name of Part
GGW-83	2	Spring, Brush
X-489A	1	Oiler
X-10	2	Screw, Brush Lead, Rd. Hd., #8-32x1/4
12X-195	2	Lockwasher, Lead Screw, #8

Armature Assembly & Parts Used With

GDZ-1085	1	Oil Thrower
GHW-2006FM	1	ARMATURE

Drive End Head Assembly & Parts Used With

GHR-1003	1	Head Assy., Drive End
GGF-13A	1	Retainer, Bearing
GHR-3	1	Head, Drive End
GHR-31	1	Gasket
19X-705	3	Screw, Retainer Bdg. Hd. #10-32x3/8
X-1270	3	Washer, Retainer Screw, Skpf. #10
X-3003	1	BEARING, BALL, S. A. E. #204

Miscellaneous Parts

GAL-1024J	1	Band Cover
X-2875	1	Nut, Cover Band, Square #10-32
X-2882	1	Screw, Cover Band, Fill. Hd. #10-32X1 1/2

NOTE: VRU-6001AM CURRENT-VOLTAGE REGULATOR is used with but is not a part of GHW-4802M. VRU-6002AM CURRENT-VOLTAGE REGULATOR is used with but is not a part of GHW-4802NM.

UNIT	APPLICATION
GHW-4802M, NM	Chrysler Marine

Printed in U. S. A.

File in
Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GHW-4803 GENERATOR PARTS LIST

GHW-4803
(Issued 9-17-56)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GHW-2001A	1	Frame & Field Assy.
GDW-44	1	Washer, Ins., Arm. Term.
GGU-30	1	Washer, Ins., Field Term.
GGU-31	1	Washer, Plain, Field Term.
GGU-32	2	Bushing, Ins., Term. Stud
GHW-1005B	1	COIL ASSY., FIELD, COMPLETE
GGU-27	1	Stud, Field Term., #10-32
GGU-28	1	Stud, Arm. Term., 1/4-28
GGU-40A	1	Lead Assy.
GHW-1007A	1	Coil, Field, Left
GHW-1008A	1	Coil, Field, Right
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term.
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
GY-20	2	Bolt, Thru
12X-196	1	Lockwasher, Ground Sc., #10
12X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

GBW-2012AS	1	BRUSH SET, SERVICE
GGY-3080AS	1	Head Assy., Comm. End
GAL-40C	1	Cover, Bearing, C. E.
GCJ-26	2	Arm, Brush
GGU-38A	1	BEARING, ABS. BRONZE
GGW-41	1	Wick, Felt
GGY-45	2	Spring, Brush
X-489	1	Oiler
12X-195	2	Lockwasher, Lead Sc., #8
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GAL-310	1	Spacer, Arm. Shaft
GHW-2018F	1	ARMATURE
GK-174	1	Washer, Shaft, D. E., Plain 1/2
X-156	1	Nut, Arm. Shaft, D. E.
X-263	1	Key, Woodruff, #8
X-404	1	Pin, Cotter

Drive End Head Assembly & Parts Used With

GDF-1003G	1	Head Assy., Drive End
DB-17	1	Washer, Felt Retaining
GAR-95	1	Washer, Felt, Inner
GBC-25	1	Retainer, Felt Washer, Inner
GDF-3G	1	Head, Drive End
GG-164	1	Washer, Felt, Outer
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
GX-9	1	Retainer, Bearing
12X-196	3	Lockwasher, Retainer Sc., #10
X-298	1	BEARING, BALL, S. A. E. #204
X-489	1	Oiler

Miscellaneous Parts

GAL-1024F	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

Note:- VRU-6003A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GHW-4803	Owens Yacht

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GHW-4804 GENERATOR PARTS LIST

GHW-4804
(Issued 1-16-56)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GHW-2001A	1	Frame & Field Assy.
GDW-44	1	Washer, Ins., Arm. Term.
GGU-30	1	Washer, Ins., Field Term.
GGU-31	1	Washer, Plain, Field Term.
GGU-32	2	Bushing, Ins., Term. Stud
GHW-1005C	1	COIL ASSY., FIELD, COMPLETE
GGU-27	1	Stud, Field Term., #10-32
GGU-28	1	Stud, Arm. Term., 1/4-28
GGU-40	1	Lead Assy.
GHW-1007A	1	Coil, Field, Left
GHW-1008A	1	Coil, Field, Right
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term.
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
GY-20	2	Bolt, Thru
12X-196	1	Lockwasher, Ground Sc., #10
12X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

GBW-2012AS	1	Brush Set, Service
GGY-2017S	1	Head Assy., Comm. End
GAL-40C	1	Cover, Bearing, C.E.
GCJ-26	2	Arm, Brush
GGU-38A	1	BEARING, ABS. BRONZE
GGW-41	1	Wick, Felt
GGY-45	2	Spring, Brush
X-489	1	Oiler
12X-195	2	Lockwasher, Lead Sc., #8
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GAL-310	1	Spacer, Arm. Shaft
GHW-2018F	1	ARMATURE
GK-174	1	Washer, Shaft, D.E., Plain 1/2
X-156	1	Nut, Arm. Shaft, D.E.
X-263	1	Key, Woodruff, #8
X-404	1	Pin, Cotter

Drive End Head Assembly & Parts Used With

GDF-1003G	1	Head Assy., Drive End
DB-17	1	Washer, Felt Retaining
GAR-95	1	Washer, Felt, Inner
GBC-25	1	Retainer, Felt Washer, Inner
GDF-3G	1	Head, Drive End
GG-164	1	Washer, Felt, Outer
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
GX-9	1	Retainer, Bearing
12X-196	3	Lockwasher, Retainer Sc., #10
X-298	1	BEARING, BALL, S.A.E. #204
X-489	1	Oiler

Miscellaneous Parts

GAL-1024F	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

Note:-VRU-6003A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GHW-4804	Owens Yacht

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking su -parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GHW-4805 GENERATOR PARTS LIST

GHW-4805
(Issued 9-15-56)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GHW-2108	1	Frame & Field Assy.
GDW-44	1	Washer, Ins., Arm. Term.
GGU-30	1	Washer, Ins., Field Term.
GGU-31	1	Washer, Plain, Field Term.
GGU-32	2	Bushing, Ins., Term. Stud
GHW-1005B	1	COIL ASSY., FIELD, COMPLETE
GGU-27	1	Stud, Field Term., #10-32
GGU-28	1	Stud, Arm. Term., 1/4-28
GGU-40A	1	Lead Assy.
GHW-1007A	1	Coil, Field, Left
GHW-1008A	1	Coil, Field, Right
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term.
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
GY-20	2	Bolt, Thru
12X-196	1	Lockwasher, Ground Sc., #10
12X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

GBW-2012AS	1	BRUSH SET, SERVICE
GGW-1110	1	Head Assy., Comm. End
GCJ-26	2	Arm, Brush
GGY-45	2	Spring, Brush
12X-195	2	Lockwasher, Lead Sc., #8
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-1580	1	BEARING, BALL, SEALED, S.A.E. #202

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GAL-310	1	Spacer, Arm. Shaft
GEO-30	1	Coupling
GEO-31	1	Washer, Coupling Sc.
GHW-2109F	1	ARMATURE
GK-174	1	Washer, Shaft, D.E., Plain 1/2
X-63	1	Screw, Coupling Mtg., Flat Hd. #8-32x3/8
X-156	1	Nut, Arm. Shaft, D.E.
X-260	1	Key, Woodruff, C.E., #5
X-263	1	Key, Woodruff, D.E., #8
X-404	1	Pin, Cotter

Drive End Head Assembly & Parts Used With

GHW-1033C	1	Head Assy., Drive End
DB-17	1	Washer, Felt Retaining
GAR-95	1	Washer, Felt, Inner
GBC-25	1	Retainer, Felt Washer, Inner
GEO-33C	1	Head, Drive End
GG-164	1	Washer, Felt, Outer
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
GX-9	1	Retainer, Bearing
12X-196	3	Lockwasher, Retainer Sc., #10
X-3003	1	BEARING, BALL, SEALED, S.A.E. #204

Miscellaneous Parts

GBW-1024LS	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

Note:- VRU-6003A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GHW-4805	Chris Craft

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File in
Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking su -parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GHX-4801M, NM GENERATOR PARTS LIST

GHX-4801M, NM
(Issued 11-6-56)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GHR-20	2	Bolt, Thru
GHW-2081	1	Frame & Field Assembly
GAA-32	1	Washer, Ins., Field Term. Outer
GC-26	1	Washer, Ins., Field Term.
GDW-22	1	Insulation, Arm. Term., Inner
GGE-33	1	Bushing, Ins., Arm. Term.
GGU-32	1	Bushing, Ins., Field Term.
GHW-1005	1	COIL ASSEMBLY, FIELD, COMPLETE
GDW-23A	1	Stud, Arm. Term., 5/16-24
GDZ-28	1	Stud, Field Term., 1/4-28
GGU-40A	1	Lead Assembly
GHW-1007	1	Coil, Field, Left
GHW-1008	1	Coil, Field, Right
GK-38C	2	Screw, Pole Shoe
MN-21A	2	Pin, Dowel
MU-37G	1	Washer, Plain Arm. Term.
SS-13	1	Washer, Ins., Arm. Term. Outer
VAD-79	1	Washer, Ins., Arm. Term.
X-180	1	Nut, Arm., Hex. Term. #5/16-24
X-187	1	Washer, Field Term., Plain #14
12X-199	1	Lockwasher, Field Term., 1/4
12X-1014	1	Lockwasher, Arm. Term., 5/16
X-2903	1	Nut, Field Term., Hex-1/4-28
X-20	1	Screw, Ground, Rd. Hd. #10-32x5/16
12X-196	1	Lockwasher, Ground Screw, #10
12X-199	3	Lockwasher, Thru Bolt & Field Term., 1/4
12X-1014	1	Lockwasher, Arm. Term., 5/16
X-1649	1	Nut, Field Term., Hex. 1/4-28
X-2843	1	Nut, Arm. Term., Hex. 5/16-24

Comm. End Head Assembly & Parts Used With

GGU-2012S	1	BRUSH SET, SERVICE
GGY-2017BS	1	Head Assy., Comm. End
GAL-40E	1	Cover, Bearing, C. E.
GCJ-26B	2	Arm, Brush
GGU-38A	1	BEARING, ABS, BRONZE

Comm. End Head Assembly (Con't)

Part No.	No. Used	Name of Part
GGW-41	1	Wick, Felt
GGY-45A	2	Spring, Brush
X-489A	1	Oiler
X-10	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
12X-195	2	Lockwasher, Lead Screw, #8

Armature Assembly & Parts Used With

GDZ-1085	1	Oil Thrower
GHG-2048FM	1	ARMATURE

Drive End Head Assembly & Parts Used With

GHR-1003	1	Head Assy., Drive End
GGF-13A	1	Retainer, Bearing
GHR-3	1	Head, Drive End
GHR-31	1	Gasket
19X-705	3	Screw, Retainer, Bdg. Hd. #10-32x3/8
X-1270	3	Washer, Retainer Screw, Skpf. #10
X-3003	1	BEARING, BALL, S. A. E. #204

Miscellaneous Parts

GAL-1024J	1	Band Cover
X-2875	1	Nut, Cover Band, Square #10-32
X-2882	1	Screw, Cover Band, Fill. Hd. #10-32x1 1/2

NOTE: VRU-6001BM CURRENT-VOLTAGE REGULATOR (Positive Ground) is Used with but is not a part of GHX-4801M. VRU-6002BM CURRENT-VOLTAGE REGULATOR (Negative Ground) is used with but is not a part of GHX-4801NM.

UNIT	APPLICATION
GHX-4801M, NM	Chrysler Marine

Printed in U. S. A.

File in
Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GHX-4802M, NM GENERATOR PARTS LIST

GHX-4802M, NM
(Issued 11-6-56)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GHR-20	2	Bolt, Thru
GHW-2081	1	Frame & Field Assembly
GAA-32	1	Washer, Ins., Field Term., Outer
GC-26	1	Washer, Ins., Field Term.
GDW-22	1	Insulation, Arm. Term., Inner
GGE-33	1	Bushing, Ins., Arm. Term.
GGU-32	1	Bushing, Ins., Field Term.
GHW-1005	1	COIL ASSEMBLY, FIELD, COMPLETE
GDW-23A	1	Stud, Arm. Term., 5/16-24
GDZ-28	1	Stud, Field Term., 1/4-28
GGU-40A	1	Lead Assembly
GHW-1007	1	Coil, Field, Left
GHW-1008	1	Coil, Field, Right
GK-38C	2	Screw, Pole Shoe
MN-21A	2	Pin, Dowel
MU-37G	1	Washer, Plain, Arm. Term.
SS-13	1	Washer, Ins., Arm. Term. Outer
VAD-79	1	Washer, Ins., Arm. Term.
X-180	1	Nut, Arm. Term., Hex, 5/16-24
X-187	1	Washer, Field Term., Plain #14
12X-199	1	Lockwasher, Field Term., 1/4
12X-1014	1	Lockwasher, Arm. Term., 5/16
X-2903	1	Nut, Field Term., Hex. 1/4-28
X-20	1	Screw, Ground, Rd. Hd. #10-32x5/16
12X-196	1	Lockwasher, Ground Screw, #10
12X-199	3	Lockwasher, Thru Bolt & Field Term., 1/4
12X-1014	1	Lockwasher, Arm. Term., 5/16
X-1649	1	Nut, Field Term., Hex. 1/4-28
X-2843	1	Nut, Arm. Term., Hex. 5/16-24

Comm. End Head Assembly & Parts Used With

GGU-2012S	1	BRUSH SET, SERVICE
GGY-3080S	1	Head Assy., Comm. End
GAL-40E	1	Cover, Bearing, C. E.
GCJ-26B	2	Arm, Brush
GGU-38A	1	BEARING, ABS. BRONZE
GGW-41	1	Wick, Felt

Comm. End Head Assembly (Con't)

Part No.	No. Used	Name of Part
GGW-83	2	Spring, Brush
X-489A	1	Oiler
X-10	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
12X-195	2	Lockwasher, Lead Screw, #8

Armature Assembly & Parts Used With

GDZ-1085	1	Oil Thrower
GHG-2048FM	1	ARMATURE

Drive End Head Assembly & Parts Used With

GHR-1003	1	Head Assy., Drive End
GGF-13A	1	Retainer, Bearing
GHR 3	1	Head, Drive End
GHR-31	1	Gasket
19X-705	3	Screw, Retainer, Bdg. Hd. #10-32x3/8
X-1270	3	Washer, Retainer Screw, Skpf. #10
X-3003	1	BEARING, BALL, S. A. E. #204

Miscellaneous Parts

GAL-1024J	1	Band, Cover
X-2875	1	Nut, Cover Band, Square #10-32
X-2882	1	Screw, Cover Band, Fill. Hd. #10-32x1 1/2

NOTE: VRU-6001BM CURRENT-VOLTAGE REGULATOR (Positive Ground) is used with but is not a part of GHX-4802M. VRU-6002BM-CURRENT-VOLTAGE REGULATOR (Negative Ground) is used with but is not a part of GHX-4802NM.

UNIT	APPLICATION
GHX-4802M, NM	Chrysler Marine

Printed in U. S. A.

File in
Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GHY-4501 GENERATOR PARTS LIST

GHY-4501
(Issued 8-25-54)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
DK-23C	2	Bolt, Thru
GHY-2001	1	Frame & Field Assembly
GBY-38A	2	Screw, Pole Shoe
GDW-44	1	Washer, Ins., Term. Stud
GGK-1005	1	COIL ASSEMBLY, FIELD, COMPLETE
GGK-1007	1	Coil Assy., Field, Left
X-947	1	Terminal
GGK-1008	1	Coil Assy., Field, Right
X-959	1	Terminal
GGU-32	1	Bushing, Ins., Term. Stud
GHY-23	1	Lead Assembly
GGU-28	1	Stud, Terminal, 1/4-28
X-946	1	Terminal
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Term. Stud
8X-140	1	Nut, Grd. Sc., Hex. #6-32
12X-194	1	Lockwasher, Grd. Sc., #6
12X-199	2	Lockwasher, Term. Stud, 1/4
8X-1008	1	Screw, Ground, Rd. Hd. #6-32x9/16
8X-1063	2	Nut, Term. Stud, Hex. 1/4-28
12X-196	1	Lockwasher, Grd. Screw, #10
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16
12X-1014	2	Lockwasher, Thru Bolt, 5/16

Comm. End Head Assembly & Parts Used With

GHY-2002	1	Head Assy., Comm. End
GAL-12†	2	Brush, Main
GAL-199	2	Block, Brush Screw
GAL-205	2	Spring, Retaining, 3rd Brush Plate
GAL-242	2	Holder, Brush
GCX-19	2	Spring, Brush
GCX-2037A	1	Plate Assy., 3rd Brush
GAL-199	1	Block, Brush Screw
GAL-242	1	Holder, Brush
GAR-13†	1	Brush, Third
GCX-19	1	Spring, Brush
GCX-1037	1	Plate, 3rd. Brush
8X-59	1	Screw, Rd. Hd. #8-32x3/16
X-1276	1	Washer, Skpf. #8
8X-1505	1	Screw, Bdg. Hd. #8-32x9/16
GDU-30	1	Lead Assembly
X-958	2	Terminal
GHY-1002	1	Head, Comm. End
8X-59	2	Screw, Br. Lead, Rd. Hd. #8-32x3/16

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
8X-63	2	Screw, Br. Plate, Flat Hd. #8-32x3/8
12X-195	2	Lockwasher, Grd. Lead Screw, #8
8X-304	1	Screw, Ground Lead, Rd. Hd. #8-32x5/16
X-1276	1	Washer, Br. Lead Screw, Skpf. #8
8X-1505	2	Screw, Brush, Bdg. Hd. #8-32x9/16
X-1498	1	BEARING, BALL, SEALED

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm. Shaft, D.E.
GGK-2006	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GHY-30	1	Spacer, Arm. Shaft
X-260	1	Key, Woodruff, #5
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

GHY-1003	1	Head Assy., Drive End
GG-6	2	Retainer, Bearing
GHY-3	1	Head, Drive End
8X-173	3	Nut, Retainer Screw, Hex. #10-32
12X-196	3	Lockwasher, Retainer Sc., #10
8X-316	3	Screw, Brg. Retainer, Rd. Hd. #10-32x3/4
X-1499	1	BEARING, BALL, SEALED S.A.E. #203

Miscellaneous Parts

GCE-24	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GAL-2012A.

NOTE: CBK-4001 CUTOUT RELAY is used with but is not a part of this generator.

UNIT	APPLICATION
GHY-4501	Winpower

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
DK-23C	2	Bolt, Thru
GHZ-2001	1	Frame & Field Assembly
GBY-38A	2	Screw, Pole Shoe
GDW-44	1	Washer, Ins., Term. Stud
GGL-1005	1	COIL ASSEMBLY, FIELD COMPLETE
GGL-1007	1	Coil Assy., Field, Right
X-947	1	Terminal
GGL-1008	1	Coil Assy., Field, Left
X-959	1	Terminal
GGU-32	1	Bushing, Ins., Term. Stud
GHY-23	1	Lead Assembly
GGU-28	1	Stud, Terminal, 1/4-28
X-946	1	Terminal
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Term. Stud
8X-140	1	Nut, Grd. Sc., Hex. #6-32
12X-194	1	Lockwasher, Grd. Sc., #6
12X-199	2	Lockwasher, Term. Stud, 1/4
8X-1008	1	Screw, Ground, Rd. Hd. #6-32x9/16
8X-1063	2	Nut, Term. Stud, Hex. 1/4-28
12X-196	1	Lockwasher, Grd. Screw, #10
8X-321	1	Screw, Ground Rd. Hd. #10-32x5/16
12X-1014	2	Lockwasher, Thru Bolt, 5/16

Comm. End Head Assembly & Parts Used With

GHZ-2002	1	Head Assy., Comm. End
GAL-199	2	Block, Brush Screw
GAL-205	2	Spring, Retaining, 3rd Brush Plate
GAL-242	2	Holder, Brush
GCX-19	2	Spring, Brush
GDU-30	1	Lead Assembly
X-958	2	Terminal
GED-12†	2	Brush, Main
GET-2037	1	Plate Assy., 3rd Brush
GAL-199	1	Block, Brush Screw
GAL-242	1	Holder, Brush
GCX-19	1	Spring, Brush
GCX-1037	1	Plate, 3rd Brush
GED-13†	1	Brush, Third
8X-59	1	Screw, Brush Lead, Rd. Hd. #8-32x3/16
X-1276	1	Washer, Brush Lead Screw, #8
8X-1505	1	Screw, Brush, Bdg. Hd. #8-32x9/16
GHY-1002	1	Head, Comm. End
8X-59	2	Screw, Br. Lead, Rd. Hd. #8-32x3/16

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
8X-63	2	Screw, Br. Plate, Flat Hd. #8-32x3/8
12X-195	2	Lockwasher, Grd. Lead Screw, #8
8X-304	1	Screw, Ground Lead, Rd. Hd. #8-32x5/16
X-1276	1	Washer, Br. Lead Screw, Skpf. #8
8X-1505	2	Screw, Brush, Bdg. Hd. #8-32x9/16
X-1498	1	BEARING, BALL, SEALED

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm. Shaft, D.E.
GGL-2006	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GHY-30	1	Spacer, Arm. Shaft
X-260	1	Key, Woodruff, #5
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

GHY-1003	1	Head Assy., Drive End
GG-6	2	Retainer, Bearing
GHY-3	1	Head, Drive End
8X-173	3	Nut, Retainer Screw, Hex. #10-32
12X-196	3	Lockwasher, Retainer Screw, #10
8X-316	3	Screw, Brg. Retainer, Rd. Hd. #10-32x3/4
X-1499	1	BEARING, BALL, SEALED, S.A.E. #203

Miscellaneous Parts

GCE-24	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GED-1012S.

NOTE: CBO-4001 CUTOUT RELAY is used with but is not a part of this generator.

UNIT	APPLICATION
GHZ-4501	Winpower

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GGA-20	2	Bolt, Thru
GGJ-2033	1	Frame & Field Assembly
GAA-32	1	Washer, Ins., Arm. Term.
GBW-34	1	Washer, Ins., Field Term.
GBY-38A	4	Screw, Pole Shoe
GDD-27	1	Bushing, Ins., Field Term.
GDD-28	1	Bushing, Ins., Arm. Term.
GFY-1005	1	COIL ASSEMBLY, FIELD, COMPLETE
GEB-58	1	Stud, Field Term., #10-32
GFY-1007A	1	Coil Assy., Field, Left
GFY-53A	1	Lead Assembly
X-1425	1	Terminal
GGJ-27	1	Stud, Arm. Term., 1/4-28
GFY-1008A	1	Coil, Field, Right
GGA-52	1	Insulation, Term. Stud, Inner
MN-21	2	Pin, Dowel
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-349	1	Washer, Plain, Field Term. #10
8X-361	1	Washer, Plain, Arm. Term., 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
12X-196	1	Lockwasher, Grd. Screw, #10
12X-201	2	Lockwasher, Thru Bolt, 3/8
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

DA-22	1	Washer, Brg. Retaining
DA-60	1	Screw, Brg. Retaining
DB-17	1	Washer, Plain, Felt Retaining
DD-24C	1	Cover, Comm. End
DD-44	1	Gasket, C.E. Cover
GBY-28	1	Washer, Felt
GCD-2012S	1	BRUSH SET, SERVICE
GGJ-2021S	1	Head Assy., Comm. End
GBY-25	2	Spring, Brush
GCE-54	2	Arm, Brush
8X-119	3	Screw, Cover, Fill. Hd. #10-32x1/2
12X-195	2	Lockwasher, Lead Screw, #8
12X-196	3	Lockwasher, Cover Sc., #10
12X-199	1	Lockwasher, Brg. Retaining Screw, 1/4

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler
X-867	1	BEARING, BALL, SHIELDED, S.A.E. #303

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm. Shaft, D.E.
GFY-2093F	1	ARMATURE
GGA-70	1	Spacer, Arm. Shaft
PU-141	1	Pulley, Drive
X-263	1	Key, Woodruff, #8
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

GGA-1068	1	Head Assy., Drive End
GGA-68	1	Head, Drive End
GGF-9	2	Washer, Felt
GGF-10	1	Retainer, Felt Washer, Outer
GGF-11	1	Gasket
GGF-12	1	Retainer, Felt Washer, Inner
GGF-13	1	Retainer, Bearing
12X-196	3	Lockwasher, Retainer Screw, #10
X-298	1	BEARING, BALL, S.A.E. #204
8X-311	3	Screw, Retainer, Rd. Hd. #10-32x3/8
X-489	1	Oiler

Miscellaneous Parts

GCD-24	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

NOTE: VBA-6001C CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GJB-6001A	Duplex

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GJG-4001M GENERATOR PARTS LIST

GJG-4001M
(Issued 2-19-57)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GJG-20	2	Bolt, Thru
GJG-26	2	Bushing, Ins., Term, Stud
GJG-30	1	Bracket, Gen. Mtg.
GJG-2001	1	Frame & Field Assy.
GJG-19	1	Washer, Ins., Field Term, Rivet
GJG-21	2	Pin. Dowel
GJG-25	3	Bushing, Ins., Field Term. & Ins. Br. Holder Rivet
GJG-31	1	Spacer, Grd. Br. Holder
GJG-32	1	Insulation, Br. Holder
GJG-35	2	Arm, Brush
GJG-37	2	Spring, Brush
GJG-1005	1	COIL ASSY., FIELD COMPLETE
GJG-23	1	Tube, Insulating
GJG-1007	1	Coil, Field, Left
GJG-1008	1	Coil, Field, Right
X-1052	1	Terminal
X-3329	1	Terminal
GJG-1033	1	Holder, Grd. Brush
GJG-1034	1	Holder, Ins. Brush & Arm Term.
GJG-1038	1	Field Terminal
GJG-2012S	1	BRUSH SET, SERVICE
MDH-38	2	Screw, Pole Shoe
X-2	2	Screw, Brush Lead, Rd. Hd. #6-32x1/4
12X-194	2	Lockwasher, Lead Sc., #6
19X-3327	1	Rivet, Field Term.
19X-3328	4	Rivet, Brush Holder
X-176	1	Nut, Field Term., Hex #8-32
X-183B	1	Washer, Arm. Term., Plain #10
X-364	1	Washer, Field Term., Plain #8
X-1272	4	Washer, Thru Bolt, Skpf. 1/4
X-2853	1	Nut, Arm. Term., Hex#10-32
8X-3075	2	Nut, Term. Stud, Hex. 1/4-20

Comm. End Head Assembly & Parts Used With

GAL-40C	1	Cover, Bearing, C. E.
GJG-2	1	Head, Comm. End
X-1590M	1	Oiler
X-3330	1	BEARING, BALL, SEALED

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GJG-27	1	Spacer, Arm. Shaft
GJG-2006M	1	ARMATURE
19X-160	1	Nut, Armature Shaft, D. E.
12X-205	1	Lockwasher, Shaft, D. E.
X-257	1	Key, Woodruff, #2

Drive End Head Assembly & Parts Used With

GJG-1003	1	Head Assy., Drive End
GJG-3	1	Head, Drive End
GJG-14	1	Retainer, Bearing
12X-196	3	Lockwasher, Retainer Sc., #10
19X-706	3	Screw, Retainer, Bdg. Hd. #10-32x5/16
X-3212	1	BEARING; BALL, SEALED

* Note: VRU-6101A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GJG-4001M	Evinrude Marine Johnson Marine

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking su -parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GJC-2001A	1	Frame & Field Assembly
GDW-44	1	Washer, Ins., Arm. Term.
GGU-30	1	Washer, Ins., Field Term.
GGU-31	1	Washer, Plain, Field Term.
GGU-32	2	Bushing, Ins., Term. Stud
GJC-1005	1	COIL ASSEMBLY, FIELD, COMPLETE
GGU-27	1	Stud, Field Term., #10-32
GGU-28	1	Stud, Arm. Term., 1/4-28
GHC-40	1	Lead Assembly
X-847	1	Terminal
GJC-1007	1	Coil, Field, Left
GJC-1008	1	Coil, Field, Right
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term.
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
GK-20A	2	Bolt, Thru
12X-196	1	Lockwasher, Grd. Sc., #10
12X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

GGW-2002S	1	Head Assy., Comm. End
GAL-40C	1	Cover, Bearing, C.E.
GCJ-26	2	Arm, Brush
GGU-38A	1	BEARING, ABSORBENT BRONZE
GGW-41	1	Wick, Felt
GGY-45	2	Spring, Brush
X-489	1	Oiler
GGY-2012BS	1	BRUSH SET, SERVICE
12X-195	2	Lockwasher, Lead Screw, #8
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GBM-21B	1	Nut, Arm. Shaft, D.E.
GJC-2006F	1	ARMATURE ASSEMBLY
GAR-171	1	Snap Ring
GR-32	1	Retainer, Felt Washer
PU-1152	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

GGW-1003	1	Head Assy., Drive End
GBM-124	1	Gasket, Brg. Retainer
GBM-125	1	Retainer, Felt Washer, Inner
GBM-127	1	Retainer, Bearing
GBM-128	1	Retainer, Felt Washer, Outer
GG-164	2	Washer, Felt
GGW-3	1	Head, Drive End
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
12X-196	3	Lockwasher, Retainer Screw, #10
X-295	1	BEARING, BALL, S.A.E. #203
X-489	1	Oiler

Miscellaneous Parts

GGW-1024	1	Band, Cover

NOTE: VRX-6007A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GJC-6001A	Packard

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GJC-6002A, S1 GENERATOR PARTS LIST

GJC-6002A, S1
(Issued 1-20-56)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GJC-2001A	1	Frame & Field Assy.
GDW-44	1	Washer, Ins., Arm. Term.
GGU-30	1	Washer, Ins., Field Term.
GGU-31	1	Washer, Plain, Field Term.
GGU-32	2	Bushing, Ins., Term. Stud.
GJC-1005	1	COIL ASSY., FIELD, COMPLETE
GGU-27	1	Stud, Field Term., #10-32
GGU-28	1	Stud, Arm. Term., 1/4-28
GHC-40	1	Lead Assembly
X-847	1	Terminal
GJC-1007	1	Coil, Field, Left
GJC-1008	1	Coil, Field, Right
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term.
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
GK-20A	2	Bolt, Thru
12X-196	1	Lockwasher, Grd. Sc., #10
12X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

GGW-2002S	1	Head Assy., Comm. End
GAL-40C	1	Cover, Bearing, C. E.
GCJ-26	2	Arm, Brush
GGU-38A	1	BEARING, ABS. BRONZE
GGW-41	1	Wick, Felt
GGY-45	2	Spring, Brush
X-489	1	Oiler
GGY-2012S	1	BRUSH SET, SERVICE
12X-195	2	Lockwasher, Lead Sc., #8
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GBM-21B	1	Nut, Arm. Shaft, D. E.
GGW-40	1	Spacer, Arm. Shaft
GJC-2032F	1	ARMATURE
GR-32	1	Retainer, Felt Washer
*	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
12X-864	1	Lockwasher, Shaft, D. E.

Drive End Head Assembly & Parts Used With

GGW-1031	1	Head Assy., Drive End
GGF-9	2	Washer, Felt
GGF-10	1	Retainer, Felt Washer, Outer
GGF-11	1	Gasket, Brg. Retainer
GGF-12	1	Retainer, Felt Washer, Inner
GGF-13	1	Retainer, Bearing
GGW-31	1	Head, Drive End
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
12X-196	3	Lockwasher, Retainer Sc., #10
X-298	1	BEARING, BALL, S. A. E. #204
X-489	1	Oiler

Miscellaneous Parts

GGW-1024	1	Band, Cover

Note:-VRX-6003B CURRENT-VOLTAGE **REGULATOR** is used with but is not a part of this generator.

* See table for part number applying to assembly wanted.

Assembly No.	Pulley
GJC-6002A	PU-142
GJC-6002-S1	None

UNIT	APPLICATION
GJC-6002A GJC-6002-S1	Dodge Truck Service Generator

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GJC-6003A, S1 GENERATOR PARTS LIST

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GJC-2001A	1	Frame & Field Assembly
GDW-44	1	Washer, Ins., Arm. Term.
GGU-30	1	Washer, Ins., Field Term.
GGU-31	1	Washer, Plain, Field Term.
GGU-32	2	Bushing, Ins., Term. Stud
GJC-1005	1	COIL ASSY., FIELD COMPLETE
GGU-27	1	Stud, Field Term.,
	1	#10-32
GGU-28	1	Stud, Arm. Term., 1/4-28
GHC-40	1	Lead Assembly
X-847	1	Terminal
GJC-1007	1	Coil, Field, Left
GJC-1008	1	Coil, Field, Right
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term.
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
GK-20A	2	Bolt, Thru
12X-196	1	Lockwasher, Ground Sc., #10
12X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

GGU-53	1	Gasket, Brg. Retainer
GGU-1050	1	Retainer Assy., Bearing
GGU-51	1	Retainer, Felt Washer
GGU-52	1	Washer, Felt
GGW-19	1	Retainer, Outer
GGW-2039S	1	Head Assy., Comm. End
GCJ-26	2	Arm, Brush
GGY-45	2	Spring, Brush
GGY-2012BS	1	BRUSH SET, SERVICE
8X-118	4	Screw, Brg. Retainer, Fill. Hd. #10-32x3/4
12X-195	2	Lockwasher, Lead Sc., #8
12X-196	4	Lockwasher, Retainer Sc., #10
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler
X-3135	1	BEARING, BALL

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GBM-21B	1	Nut, Arm. Shaft, D. E.
GGW-40	1	Spacer, Arm. Shaft
GJC-2047F	1	ARMATURE
*	1	Pulley, Drive
X-263	1	Key, Woodruff, #8
12X-864	1	Lockwasher, Shaft, D. E.

Drive End Head Assembly & Parts Used With

GGW-1031	1	Head Assy., Drive End
GGF-9	2	Washer, Felt
GGF-10	1	Retainer, Felt, Washer, Outer
GGF-11	1	Gasket, Brg. Retainer
GGF-12	1	Retainer, Felt Washer, Inner
GGF-13	1	Retainer, Bearing
GGW-31	1	Head, Drive End
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
12X-196	3	Lockwasher, Retainer Sc., #10
X-298	1	BEARING, BALL, S. A. E. #204
X-489	1	Oiler

Miscellaneous Parts

GGW-1024	1	Band, Cover

Note: VRX-6003B CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

* See table following parts list for part number applying to assembly wanted.

Assy. No.	Pulley
GJC-6003A	PU-142
GJC-6003-S1	None

UNIT	APPLICATION
GJC-6003A	Dodge Truck
GJC-6003-S1	Service Generator

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking su -parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GJC-7001A, B, C, S1 GENERATOR PARTS LIST

GJC-7001A, B, C, S1
(Issued 8-31-55)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GJC-2045	1	Frame & Field Assy.
GGU-30	1	Washer, Ins., Field Term.
GGU-31	1	Washer, Plain, Field Term.
GGU-32	1	Bushing, Ins., Field Term.
GJC-35	2	Arm, Brush
GJC-41	1	Bushing, Ins., Arm. Term.
GJC-42	2	Spring, Brush
GJC-1005A	1	COIL ASSY., FIELD, COMPLETE
GGU-27	1	Stud, Field Term., #10-32
GJC-1007A	1	Coil, Field, Right
GJC-1008A	1	Coil, Field, Left
GJC-2012S	1	BRUSH SET, SERVICE
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term
12X-195	2	Lockwasher, Br. Lead Sc., #8
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-305	2	Screw, Brush Lead. Rd. Hd. #8-32x1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
GY-20	2	Bolt, Thru
12X-196	1	Lockwasher, Ground Sc., #10
12X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

GJC-2002	1	Head Assy., Comm. End
GJC-28	1	Spring, Wick
GJC-46	1	Wick, Felt
GJC-49	1	Cover, Bearing, C. E.
X-3279	1	Oiler

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GBM-21B	1	Nut, Arm. Shaft, D. E.
GJC-2030F	1	ARMATURE ASSY.
GAR-171	1	Snap Ring
GR-32	1	Retainer, D. E.
*	1	Pulley, Drive
X-260	1	Key, Woodruff, D. E., #5
12X-864	1	Lockwasher, Shaft, D. E.

Drive End Head Assembly & Parts Used With

GJC-1072	1	Head Assy., Drive End
GBM-128	1	Retainer, Felt Washer
GEE-27	1	Gasket, Brg. Retainer
GG-164	1	Washer, Felt
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
GGW-72	1	Head, Drive End
GJC-27	1	Retainer, Bearing
12X-196	3	Lockwasher, Retainer Sc., #10
X-295	1	BEARING, BALL, S. A. E. #203
X-489	1	Oiler

Note:-VRX-6201A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

* See table following parts list for part number applying to assembly wanted.

Assembly No.	Pulley
GJC-7001A	PU-1071
GJC-7001B	PU-1073
GJC-7001C	PU-1017
GJC-7001-S1	None

UNIT	APPLICATION
GJC-7001A	Dodge (8). Plymouth (8)
GJC-7001B	Dodge Truck
GJC-7001C	
GJC-7001-S1	Service Generator

Printed in U. S. A.

File in
Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GJC-7002A, B, C, D, E, F, G, S1 GENERATOR PARTS LIST

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GJC-2045	1	Frame & Field Assy.
GGU-30	1	Washer, Ins., Field Term.
GGU-31	1	Washer, Plain, Field Term.
GGU-32	1	Bushing, Ins., Field Term.
GJC-35	2	Arm, Brush
GJC-41	1	Bushing, Ins., Arm. Term.
GJC-42	2	Spring, Brush
GJC-1005A	1	COIL ASSY., FIELD, COMPLETE
GGU-27	1	Stud, Field Term., #10-32
GJC-1007A	1	Coil, Field, Right
GJC-1008A	1	Coil, Field, Left
GJC-2012S	1	BRUSH SET, SERVICE
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term.
12X-195	2	Lockwasher, Br. Lead Sc., #8
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
GY-20	2	Bolt, Thru
12X-196	1	Lockwasher, Ground Sc., #10
12X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

GJC-2044	1	Head Assy., Comm. End
GJC-28	1	Spring, Wick
GJC-46	1	Wick, Felt
GJC-49	1	Cover, Bearing, C. E.
X-3279	1	Oiler

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GBM-21B	1	Nut, Arm. Shaft, D. E.
*	1	Spacer, Arm. Shaft
GJC-2030F	1	ARMATURE ASSY.
GAR-171	1	Snap Ring
GR-32	1	Retainer, D. E.
*	1	Pulley, Drive
X-260	1	Key, Woodruff, D. E. #5
12X-864	1	Lockwasher, Shaft, D. E.

Drive End Head Assembly & Parts Used With

GJC-1102	1	Head Assy., Drive End
GBM-128	1	Retainer, Felt Washer
GEE-27	1	Gasket, Brg. Retainer
GG-164	1	Washer, Felt
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
GGW-102	1	Head, Drive End
GJC-27	1	Retainer, Bearing
12X-196	3	Lockwasher, Retainer Sc., #10
X-295	1	BEARING, BALL, S. A. E. #203
X-489	1	Oiler

Note:-CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

* See table following parts list for part number applying to assembly wanted.

UNIT	APPLICATION
GJC-7002A	De Soto, Dodge (6&8), Plymouth (6)
GJC-7002B	Chrysler, Dodge Truck
GJC-7002C, D, E	Dodge Truck
GJC-7002F	Hudson (8), Nash (8), Clipper, Studebaker
GJC-7002G	Studebaker Truck
GJC-7002-S1	Service Generator

Assembly No.	Spacer	Pulley	Regulator
GJC-7002A	None	PU-1017	VRX-6201A
GJC-7002B	None	PU-1004	VRX-6201A
GJC-7002C	GEG-55	PU-144	VRX-6201A
GJC-7002D	None	SP-1949	VRX-6201A
GJC-7002E	None	SP-1954	VRX-6201A
GJC-7002F	None	PU-1152	VRX-6008A or VRX-6009A
GJC-7002G	None	PU-1080	VRX-6008A
GJC-7002-S1	GEG-55	None	VRX-6201A

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GJC-7003A, AA, B, BA, C, CA, D, E, EA, F, G, GA, H, S1 GENERATOR PARTS LIST GJC-7003A, AA, B, BA, C, CA, D,E, EA, F, G, GA, H, S1 (Issued 1-16-56)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GJC-2045	1	Frame & Field Assy.
GGU-30	1	Washer, Ins., Field Term.
GGU-31	1	Washer, Plain, Field Term.
GGU-32	1	Bushing, Ins., Field Term.
GJC-35	2	Arm, Brush
GJC-41	1	Bushing, Ins., Arm. Term.
GJC-42	2	Spring, Brush
GJC-1005A	1	COIL ASSY., FIELD, COMPLETE
GGU-27	1	Stud, Field Term., #10-32
GJC-1007A	1	Coil, Field, Right
GJC-1008A	1	Coil, Field, Left
GJC-2012S	1	BRUSH SET, SERVICE
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term.
12X-195	2	Lockwasher, Br. Lead Sc., #8
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term, 1/4
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
GK-20A	2	Bolt, Thru
12X-196	1	Lockwasher, Ground Sc., #10
12X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

DA-39	1	Washer, Plain, Felt Retaining
DA-132	1	Washer, Felt
GGW-93	1	Retainer, Outer
GJC-19	1	Head, Comm. End
GR-32	1	Retainer, Felt Washer
X-295	1	BEARING, BALL, S. A. E. #203
X-489	1	Oiler

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm. Shaft, D.E.
*	1	Spacer, Arm. Shaft
GGW-88 ‡	1	Washer, Coupling Sc.
GGW-91	1	Retainer, D. E.
GGW-99 ‡	1	Coupling
GJC-2090F	1	ARMATURE ASSY.
GAR-171	1	Snap Ring
*	1	Pulley, Drive
X-263	1	Key, Woodruff, D.E., #8
12X-864	1	Lockwasher, Shaft, D. E.
X-3226 ‡	1	Screw, Coupling Mtg., Hex. 1/4-20x5/8

Drive End Head Assembly & Parts Used With

Part No.	No. Used	Name of Part
GJC-1031	1	Head Assy., Drive End
GGF-9	1	Washer, Felt
GGF-10	1	Retainer, Felt Washer
GGF-11	1	Gasket, Brg. Retainer
GGW-31	1	Head, Drive End
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
GJC-17	1	Retainer, Bearing
12X-196	3	Lockwasher, Retainer, Sc., #10
X-298	1	BEARING, BALL, S. A. E. #204
X-489	1	Oiler

Note:-VRX-6201A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

‡ Part of GJC-7003AA, BA, CA, EA, GA only.

* See table following parts list for part number applying to assembly wanted.

Assembly No.	Spacer	Pulley
GJC-7003A	GGW-40	PU-54
GJC-7003AA	GGW-40	PU-54
GJC-7003B	None	PU-1115
GJC-7003BA	None	PU-1115
GJC-7003C	GGW-40	PU-45
GJC-7003CA	GGW-40	PU-45
GJC-7003D	GGW-40	PU-171
GJC-7003E	GGW-40	PU-166
GJC-7003EA	GGW-40	PU-166
GJC-7003F	None	PU-94
GJC-7003G	None	PU-1183
GJC-7003GA	None	PU-1183
GJC-7003H	None	PU-1139
GJC-7003-S1	GGW-40	None

UNIT	APPLICATION
GJC-7003A	Chrysler, Imperial
GJC-7003AA	Chrysler (Can.)
GJC-7003B,C	DeSoto, Dodge & Plymouth (6&8)
GJC-7003BA,CA	DeSoto, Dodge, Plymouth (Can.)
GJC-7003D,E,F	Dodge Truck
GJC-7003EA	Dodge Truck (Can.)
GJC-7003G	De Soto
GJC-7003GA	De Soto (Can.)
GJC-7003H	
GJC-7003-S1	Service Generator

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GJC-7004A,S1 GENERATOR PARTS LIST

GJC-7004A,S1
(Issued 8-31-55)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GJC-2045	1	Frame & Field Assy.
GGU-30	1	Washer, Ins., Field Term.
GGU-31	1	Washer, Plain, Field Term.
GGU-32	1	Bushing, Ins., Field Term.
GJC-35	2	Arm, Brush
GJC-41	1	Bushing, Ins., Arm. Term.
GJC-42	2	Spring, Brush
GJC-1005A	1	COIL ASSY., FIELD, COMPLETE
GGU-27	1	Stud, Field Term., #10-32
GJC-1007A	1	Coil, Field, Right
GJC-1008A	1	Coil, Field, Left
GJC-2012S	1	BRUSH SET, SERVICE
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term.
12X-195	2	Lockwasher, Br. Lead Sc., #8
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term. 1/4
8X-305	2	Screw, Brush Lead Rd. Hd. #8-32x1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
GY-20	2	Bolt, Thru
12X-196	1	Lockwasher, Ground Sc., #10
12X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

GJC-2002	1	Head Assy., Comm. End
GJC-28	1	Spring, Wick
GJC-46	1	Wick, Felt
GJC-49	1	Cover, Bearing, C.E.
X-3279	1	Oiler

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm. Shaft, D.E.
GGW-40	1	Spacer, Arm. Shaft
GGW-91	1	Retainer, D.E.
GJC-2048F	1	ARMATURE ASSY.
GGW-92	1	Snap Ring
*	1	Pulley, Drive
X-263	1	Key, Woodruff, D.E., #8
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

Part No.	No. Used	Name of Part
GJC-1082	1	Head Assy., Drive End
GGF-9	1	Washer, Felt
GGF-10	1	Retainer, Felt Washer
GGF-11	1	Gasket, Brg. Retainer,
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
GGW-82	1	Head, Drive End
GJC-27	1	Retainer, Bearing
12X-196	3	Lockwasher, Retainer Sc., #10
X-298	1	BEARING, BALL, S.A.E. #204
X-489	1	Oiler

Note:-VRX-6201A CURRENT-VOLTAGE REGULATOR is used but is not a part of this generator.

* See table following parts list for part number applying to assembly wanted.

Assembly No.	Pulley
GJC-7004A	PU-103
GJC-7004-S1	None

UNIT	APPLICATION
GJC-7004A	Dodge Turck
GJC-7004-S1	Service Generator

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ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GJC-7005A, B, S1 GENERATOR PARTS LIST

GJC-7005A, B, S1
(Issued 8-31-55)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GJC-2045	1	Frame & Field Assy.
GGU-30	1	Washer, Ins., Field Term.
GGU-31	1	Washer, Plain, Field Term.
GGU-32	1	Bushing, Ins., Field Term.
GJC-35	2	Arm, Brush
GJC-41	1	Bushing, Ins., Arm. Term.
GJC-42	2	Spring, Brush
GJC-1005A	1	COIL ASSY., FIELD, COMPLETE
GGU-27	1	Stud, Field Term., #10-32
GJC-1007A	1	Coil, Field, Right
GJC-1008A	1	Coil, Field, Left
GJC-2012S	1	BRUSH SET, SERVICE
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term.
12X-195	2	Lockwasher, Br. Lead Sc., #8
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
8X-1063	2	Nut, Arm. Term. Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
GY-20	2	Bolt, Thru
12X-196	1	Lockwasher, Ground Sc., #10
12X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

GJC-2044	1	Head Assy., Comm. End
GJC-28	1	Spring, Wick
GJC-46	1	Wick, Felt
GJC-49	1	Cover, Bearing, C. E.
X-3279	1	Oiler

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm. Shaft., D. E.
GGW-40	1	Spacer, Arm. Shaft
GGW-91	1	Retainer, D. E.
GJC-2048F	1	ARMATURE ASSY.
GGW-92	1	Snap Ring
*	1	Pulley, Drive
X-263	1	Key, Woodruff, D. E., #8
12X-864	1	Lockwasher, Shaft, D. E.

Drive End Head Assembly & Parts Used With

Part No.	No. Used	Name of Part
GJC-1031	1	Head Assy., Drive End
GGF-9	1	Washer, Felt
GGF-10	1	Retainer, Felt Washer
GGF-11	1	Gasket, Brg. Retainer
GGW-31	1	Head, Drive End
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
GJC-17	1	Retainer, Bearing
12X-196	3	Lockwasher, Retainer Sc., #10
X-298	1	BEARING, BALL, S. A. E. #204
X-489	1	Oiler

Note:-VRX-6201A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

* See table following parts list for part number applying to assembly wanted.

Assembly No.	Pulley
GJC-7005A	PU-142
GJC-7005B	PU-143
GJC-7005-S1	None

UNIT	APPLICATION
GJC-7005A, B	Dodge Truck
GJC-7005-S1	Service Generator

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GJC-2045	1	Frame & Field Assy.
GGU-30	1	Washer, Ins., Field Term.
GGU-31	1	Washer, Plain, Field Term.
GGU-32	1	Bushing, Ins., Field Term.
GJC-35	2	Arm, Brush
GJC-41	1	Bushing, Ins., Arm. Term.
GJC-42	2	Spring, Brush
GJC-1005A	1	COIL ASSY., FIELD, COMPLETE
GGU-27	1	Stud, Field Term. #10-32
GJC-1007A	1	Coil, Field, Right
GJC-1008A	1	Coil, Field, Left
GJC-2012S	1	BRUSH SET, SERVICE
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term.
12X-195	2	Lockwasher, Br. Lead Sc., #8
12X-196	2	Lockwasher, Field Term. #10
12X-199	2	Lockwasher, Arm. Term. 1/4
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
8X-1063	2	Nut, Arm. Term. Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
GK-20A	2	Bolt, Thru
12X-196	1	Lockwasher, Ground Sc., #10
12X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

DA-22	1	Washer, Brg. Retaining
DA-39	1	Washer, Plain, Felt Retaining
DA-60	1	Screw, Brg. Retaining
DA-132	1	Washer, Felt
GBJ-25	1	Gasket, C.E. Cover
GBJ-32A	1	Cover, Comm. End
GJC-50	1	Head, Comm. End
GR-32	1	Retainer, Felt Washer
12X-196	3	Lockwasher, Cover Sc., #10
12X-199	1	Lockwasher, Brg. Retaining Sc., 1/4
X-295	1	BEARING, BALL, S.A.E. #203
X-489	1	Oiler
8X-870	3	Screw, Cover, Fill. Hd. #10-32x5/16

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GBM-21B	1	Nut, Arm. Shaft, D.E.
*	1	Spacer, Arm. Shaft
GGW-91	1	Retainer, D.E.
GJC-2098F	1	ARMATURE ASSY.
GAR-171	1	Snap Ring, C.E.
GGW-92	1	Snap Ring, D.E.
*	1	Pulley, Drive
X-263	1	Key, Woodruff, D.E. #8
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

GJC-1031	1	Head Assy., Drive End
GGF-9	1	Washer, Felt
GGF-10	1	Retainer, Felt Washer
GGF-11	1	Gasket, Brg. Retainer
GGW-31	1	Head, Drive End
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
GJC-17	1	Retainer, Bearing
12X-196	3	Lockwasher, Retainer Sc., #10
X-298	1	BEARING, BALL, S.A.E. #204
X-489	1	Oiler

Note:-VRX-6201A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

* See table following parts list for part number applying to assembly wanted.

Assembly No.	Spacer	Pulley
GJC-7006A	GGW-40	PU-54
GJC-7006B	GGW-40	PU-45
GJC-7006C	GGW-40	PU-1115
GJC-7006-S1	None	None

UNIT	APPLICATION
GJC-7006A	Chrysler
GJC-7006B	De Soto, Dodge & Plymouth (6&8)
GJC-7006C	Plymouth (6) Taxi
GJC-7006-S1	Service Generator

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GJC-7007A, B GENERATOR PARTS LIST

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GJC-2054	1	Frame & Field Assy.
GAR-21	1	Pin, Dowel
GGU-30	1	Washer, Ins., Field Term.
GGU-31	1	Washer, Plain, Field Term.
GGU-32	1	Bushing, Ins., Field Term.
GJC-35	2	Arm, Brush
GJC-41	1	Bushing, Ins., Arm. Term.
GJC-42	2	Spring, Brush
GJC-1005A	1	COIL ASSY., FIELD, COMPLETE
GGU-27	1	Stud, Field Term., #10-32
GJC-1007A	1	Coil, Field, Right
GJC-1008A	1	Coil, Field, Left
GJC-2012S	1	BRUSH SET, SERVICE
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term.
12X-195	2	Lockwasher, Br. Lead Sc., #8
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-305	2	Screw, Brush Lead, Rd.Hd. #8-32x1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
GY-20	2	Bolt, Thru
12X-196	1	Lockwasher, Ground Sc., #10
12X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

GJC-2053	1	Head Assy., Comm. End
GJC-28	1	Spring, Wick
GJC-46	1	Wick, Felt
GJC-49A	1	Cover, Bearing, C. E.
X-3279	1	Oiler

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm. Shaft, D. E.
GJC-2052F	1	ARMATURE ASSY.
GAR-171	1	Snap Ring
GR-32	1	Retainer, D. E.
*	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
12X-864	1	Lockwasher, Shaft, D. E.

Drive End Head Assembly & Parts Used With

Part No.	No. Used	Name of Part
GJC-1104	1	Head Assy., Drive End
GBM-128	1	Retainer, Felt Washer
GEE-27	1	Gasket, Brg. Retainer
GG-164	1	Washer, Felt
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
GGW-104	1	Head, Drive End
GJC-27	1	Retainer, Bearing
12X-196	3	Lockwasher, Retainer Sc., #10
X-295	1	BEARING, BALL, S. A. E. #203
X-489	1	Oiler

Note:-VRX-6008A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

* See table following parts list for part number applying to assembly wanted.

Assembly No.	Pulley
GJC-7007A	PU-1152
GJC-7007B	PU-180

UNIT	APPLICATION
GJC-7007A, B	Nash (6)

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GJC-7008A, B GENERATOR PARTS LIST

GJC-7008A, B
(Issued 8-31-55)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GJC-2045	1	Frame & Field Assy.
GGU-30	1	Washer, Ins., Field Term.
GGU-31	1	Washer, Plain, Field Term.
GGU-32	1	Bushing, Ins., Field Term.
GJC-35	2	Arm, Brush
GJC-41	1	Bushing, Ins., Arm. Term.
GJC-42	2	Spring, Brush
GJC-1005A	1	COIL ASSY., FIELD, COMPLETE
GGU-27	1	Stud, Field Term., #10-32
GJC-1007A	1	Coil, Field, Right
GJC-1008A	1	Coil, Field, Left
GJC-2012S	1	BRUSH SET, SERVICE
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term
12X-195	2	Lockwasher, Br. Lead Sc., #8
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
GY-20	2	Bolt, Thru
12X-196	1	Lockwasher, Ground Sc., #10
12X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

GJC-2044	1	Head Assy., Comm. End
GJC-28	1	Spring, Wick
GJC-46	1	Wick, Felt
GJC-49	1	Cover, Bearing, C. E.
X-3279	1	Oiler

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
*	1	Nut, Arm. Shaft, D. E.
*	1	Spacer, Arm. Shaft
GJC-2030F	1	ARMATURE ASSY.
GAR-171	1	Snap Ring
GR-32	1	Retainer, D. E.
*	1	Pulley, Drive
X-260	1	Key, Woodruff, D. E., #5
12X-864	1	Lockwasher, Shaft, D. E.

Drive End Head Assembly & Parts Used With

GJC-1072	1	Head Assy., Drive End
GBM-128	1	Retainer, Felt Washer
GEE-27	1	Gasket, Brg. Retainer
GG-164	1	Washer, Felt
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
GGW-72	1	Head, Drive End
GJC-27	1	Retainer, Bearing
12X-196	3	Lockwasher, Retainer Sc., #10
X-295	1	BEARING, BALL, S. A. E. #203
X-489	1	Oiler

Note:-VRX-6008A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

* See table following parts list for part number applying to assembly wanted.

Assembly No.	Nut	Spacer	Pulley
GJC-7008A	GBM-21B	None	PU-1164A
GJC-7008B	SP-357B	GEG-55	PU-177

UNIT	APPLICATION
GJC-7008A, B	Hudson (6)

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GJC-7009A, B, BA, C, S1 GENERATOR PARTS LIST

GJC-7009A, B, BA, C, S1
(Issued 8-31-55)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GJC-2045	1	Frame & Field Assy.
GGU-30	1	Washer, Ins., Field Term.
GGU-31	1	Washer, Plain, Field Term.
GGU-32	1	Bushing, Ins., Field Term.
GJC-35	2	Arm, Brush
GJC-41	1	Bushing, Ins., Arm. Term.
GJC-42	2	Spring, Brush
GJC-1005A	1	COIL ASSY., FIELD, COMPLETE
GGU-27	1	Stud, Field Term., #10-32
GJC-1007A	1	Coil, Field, Right
GJC-1008A	1	Coil, Field, Left
GJC-2012S	1	BRUSH SET, SERVICE
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term.
12X-195	2	Lockwasher, Br. Lead Sc., #8
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
GK-20A	2	Bolt, Thru
12X-196	1	Lockwasher, Ground Sc., #10
12X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

DA-39	1	Washer, Plain, Felt Retaining
DA-132	1	Washer, Felt
GGW-93	1	Retainer, Outer
GJC-19	1	Head, Comm. End
GR-32	1	Retainer, Felt Washer
X-295	1	BEARING, BALL, S. A. E. #203
X-489	1	Oiler

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GBM-21B	1	Nut, Arm. Shaft, D. E.
GGW-40	1	Spacer, Arm. Shaft
GGW-88 ‡	1	Washer, Coupling Screw
GGW-91	1	Retainer, D. E.
GGW-99 ‡	1	Coupling
GJC-2055F	1	ARMATURE ASSY.
GAR-171	1	Snap Ring, C. E.
GGW-92	1	Snap Ring, D. E.
*	1	Pulley, Drive
X-263	1	Key, Woodruff, D. E., #8
12X-864	1	Lockwasher, Shaft, D. E.
X-3226 ‡	1	Screw, Coupling Mtg., Hex. Hd. 1/4-20x5/8

Drive End Head Assembly & Parts Used With

GJC-1031	1	Head Assy., Drive End
GGF-9	1	Washer, Felt
GGF-10	1	Retainer, Felt Washer
GGF-11	1	Gasket, Brg. Retainer
GGW-31	1	Head, Drive End
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
GJC-17	1	Retainer, Bearing
12X-196	3	Lockwasher, Retainer Sc., #10
X-298	1	BEARING, BALL, S. A. E. #204
X-489	1	Oiler

Note:-VRX-6201A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator

‡ Part of GJC-7009BA only.

* See table following parts list for part number applying to assembly wanted.

Assembly No.	Pulley
GJC-7009A	PU-143
GJC-7009B	PU-103
GJC-7009BA	PU-103
GJC-7009C	PU-142
GJC-7009-S1	None

UNIT	APPLICATION
GJC-7009A, B, C	Dodge Truck
GJC-7009BA	
GJC-7009-S1	Service Generator

Printed in U. S. A.

File in
Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GJC-7010A,S1 GENERATOR PARTS LIST

GJC-7010A,S1
(Issued 8-31-55)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GJC-2045	1	Frame & Field Assy.
GGU-30	1	Washer, Ins., Field Term.
GGU-31	1	Washer, Plain, Field Term.
GGU-32	1	Bushing, Ins., Field Term.
GJC-35	2	Arm, Brush
GJC-41	1	Bushing, Ins., Arm. Term.
GJC-42	2	Spring, Brush
GJC-1005A	1	COIL ASSY., FIELD, COMPLETE
GGU-27	1	Stud, Field Term. #10-32
GJC-1007A	1	Coil, Field, Right
GJC-1008A	1	Coil, Field, Left
GJC-2012S	1	BRUSH SET, SERVICE
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term.
12X-195	2	Lockwasher, Br. Lead Sc., #8
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term. 1/4
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
GK-20A	2	Bolt, Thru
12X-196	1	Lockwasher, Ground Sc., #10
12X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

DA-22	1	Washer, Brg. Retaining
DA-39	1	Washer, Plain, Felt Retaining
DA-60	1	Screw, Brg. Retaining
DA-132	1	Washer, Felt
GBJ-25	1	Gasket, C.E. Cover
GBJ-32A	1	Cover, Comm. End
GJC-50	1	Head, Comm. End
GR-32	1	Retainer, Felt Washer
12X-196	3	Lockwasher, Cover Sc., #10
12X-199	1	Lockwasher, Brg. Retaining Sc., 1/4
X-295	1	BEARING, BALL, S.A.E. #203
X-489	1	Oiler
8X-870	3	Screw, Cover, Fill. Hd. #10-32x5/16

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GBM-21B	1	Nut, Arm. Shaft, D.E.
GGW-40	1	Spacer, Arm. Shaft
GGW-91	1	Retainer, D.E.
GJC-2056F	1	ARMATURE ASSY.
GAR-171	1	Snap Ring, C.E.
GGW-92	1	Snap Ring, D.E.
*	1	Pulley, Drive
X-263	1	Key, Woodruff, D.E. #8
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

GJC-1031	1	Head Assy., Drive End
GGF-9	1	Washer, Felt
GGF-10	1	Retainer, Felt Washer
GGF-11	1	Gasket, Brg. Retainer
GGW-31	1	Head, Drive End
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
GJC-17	1	Retainer, Bearing
12X-196	3	Lockwasher, Retainer Sc., #10
X-298	1	BEARING, BALL, S.A.E. #204
X-489	1	Oiler

Note:-VRX-6201A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

* See table following parts list for part number applying to assembly wanted.

Assembly No.	Pulley
GJC-7010A	PU-142
GJC-7010-S1	None

UNIT	APPLICATION
GJC-7010A	Dodge Truck
GJC-7010-S1	Service Generator

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File in
Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GJC-7011A,S1 GENERATOR PARTS LIST

GJC-7011A,S1
(Issued 1-20-56)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GJC-2045	1	Frame & Field Assy.
GGU-30	1	Washer, Ins., Field Term.
GGU-31	1	Washer, Plain, Field Term.
GGU-32	1	Bushing, Ins., Field Term.
GJC-35	2	Arm, Brush
GJC-41	1	Bushing, Ins., Arm. Term.
GJC-42	2	Spring, Brush
GJC-1005A	1	COIL ASSY., FIELD, COMPLETE
GGU-27	1	Stud, Field Term., #10-32
GJC-1007A	1	Coil, Field, Right
GJC-1008A	1	Coil, Field, Left
GJC-2012S	1	BRUSH SET, SERVICE
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term.
12X-195	2	Lockwasher, Br. Lead Sc., #8
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
GK-20A	2	Bolt, Thru
12X-196	1	Lockwasher, Ground Sc., #10
12X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

DA-22	1	Washer, Brg. Retaining
DA-39	1	Washer, Plain, Felt Retaining
DA-60	1	Screw, Brg. Retaining
DA-132	1	Washer, Felt
GBJ-25	1	Gasket, C. E. Cover
GBJ-32A	1	Cover, Comm. End
GJC-50	1	Head, Comm. End
GR-32	1	Retainer, Felt Washer
12X-196	3	Lockwasher, Cover Sc., #10
12X-199	1	Lockwasher, Brg. Retaining Sc., 1/4
X-295	1	BEARING, BALL, S. A. E. #203
X-489	1	Oiler
8X-870	3	Screw, Cover, Fill. Hd. #10-32x5/16

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GBM-21B	1	Nut, Arm. Shaft, D. E.
*	1	Spacer, Arm. Shaft
GGW-91	1	Retainer, D. E.
GJC-2098F	1	ARMATURE ASSY.
GAR-171	1	Snap Ring, C. E.
GGW-92	1	Snap Ring, D. E.
*	1	Pulley, Drive
X-263	1	Key, Woodruff, D. E. #8
12X-864	1	Lockwasher, Shaft, D. E.

Drive End Head Assembly & Parts Used With

GJC-1107	1	Head Assy., Drive End
GGF-9	1	Washer, Felt
GGF-10	1	Retainer, Felt Washer
GGF-11	1	Gasket, Brg. Retainer
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
GGW-107	1	Head, Drive End
GJC-17	1	Retainer, Bearing
12X-196	3	Lockwasher, Retainer Sc., #10
X-298	1	BEARING, BALL, S. A. E. #204
X-489	1	Oiler

Note: VRX-6201A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

* See table following parts list for part number applying to assembly wanted.

Assembly No.	Spacer	Pulley
GJC-7011A	None	PU-1115
GJC-7011-S1	GGW-40	None

UNIT	APPLICATION
GJC-7011A GJC-7011-S1	Plymouth (8) Taxi Service Gen.

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File in
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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GJC-7012A, B, C, D, E, S1 GENERATOR PARTS LIST

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GJC-2045	1	Frame & Field Assy.
GGU-30	1	Washer, Ins., Field Term.
GGU-31	1	Washer, Plain, Field Term.
GGU-32	1	Bushing, Ins., Field Term.
GJC-35	2	Arm, Brush
GJC-39	1	Insulation, Br. Holder
GJC-41	1	Bushing, Ins., Arm. Term.
GJC-42	2	Spring, Brush
GJC-1005A	1	COIL ASSY., FIELD, COMPLETE
GGU-27	1	Stud, Field Term., #10-32
GJC-1007A	1	Coil, Field, Right
GJC-1008A	1	Coil, Field, Left
GJC-1033	1	Holder, Grd. Brush
GJC-1034	1	Holder & Term., Ins. Brush
GJC-2012S	1	BRUSH SET, SERVICE
GK-38	2	Screw, Pole Shoe
MDF-25	1	Bushing, Ins., Br. Holder Rivet
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term.
12X-195	2	Lockwasher, Br. Lead Sc., #8
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
8X-1063	2	Nut, Arm. Term. Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
8X-3280	2	Rivet, Grd. Br. Holder
8X-3284	1	Rivet, Ins. Br. Holder
GY-20	2	Bolt, Thru
12X-196	1	Lockwasher, Ground Sc., #10
12X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

Part No.	No. Used	Name of Part
GJC-2002	1	Head Assy., Comm. End
GJC-28	1	Spring, Wick
GJC-46	1	Wick, Felt
GJC-49	1	Cover, Bearing, C. E.
X-3279	1	Oiler

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm. Shaft, D. E.
GJC-2030F	1	ARMATURE ASSY.
GAR-171	1	Snap Ring
GR-32	1	Retainer, D. E.
*	1	Pulley, Drive
X-260	1	Key, Woodruff, D. E., #5
12X-864	1	Lockwasher, Shaft, D. E.

Drive End Head Assembly & Parts Used With

GJC-1111	1	Head Assy., Drive End
GBM-128	1	Retainer, Felt Washer
GEE-27	1	Gasket, Brg. Retainer
GG-164	1	Washer, Felt
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
GGW-111	1	Head, Drive End
GJC-27	1	Retainer, Bearing
12X-196	3	Lockwasher, Retainer Sc., #10
X-295	1	BEARING, BALL, S. A. E. #203
X-489	1	Oiler

Note:- VRX-6201A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

* See table following parts list for part number applying to assembly wanted.

Assembly No.	Pulley
GJC-7012A	PU-1227
GJC-7012B	PU-1073
GJC-7012C	SP-1949
GJC-7012D	PU-1004
GJC-7012E	SP-1954
GJC-7012-S1	None

UNIT	APPLICATION
GJC-7012A	Plymouth 6-8, Dodge 6-8, DeSoto, Chrysler
GJC-7012B, C, D, E	
GJC-7012-S1	Service Generator

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GJD-6001A GENERATOR PARTS LIST — GJD-6001A (Issued 1-12-56)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GJD-3001	1	Frame & Field Assembly
GDW-44	1	Washer, Ins., Arm. Term.
GGU-30	1	Washer, Ins., Field Term.
GGU-31	1	Washer, Plain, Field Term.
GGU-32	2	Bushing, Ins., Term. Stud
GJD-2005	1	COIL ASSEMBLY, FIELD, COMPLETE
GGU-27	1	Stud, Field Term., #10-32
GGU-28	1	Stud, Arm. Term., 1/4-28
GGU-40	1	Lead Assembly
X-3092	1	Terminal
GJD-1007	1	Coil, Field, Right
GJD-1008	1	Coil, Field, Left
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
SW-634	1	Washer, Plain, Arm. Term.
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
GK-20A	2	Bolt, Thru
12X-196	1	Lockwasher, Grd. Sc., #10
12X-199	2	Lockwasher, Thru Bolt, 1/4
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

DA-22	1	Washer, Brg. Retaining
DA-39	1	Washer, Plain, Felt Retaining
DA-60	1	Screw, Brg. Retaining
DA-132	1	Washer, Felt
GBJ-25	1	Gasket, Cover
GBJ-32A	1	Cover, Comm. End
GBW-2012AS	1	BRUSH SET, SERVICE
GGW-2047S	1	Head Assy., Comm. End
GCJ-26	2	Arm, Brush
GGY-45	2	Spring, Brush
12X-195	2	Lockwasher, Lead Screw, #8
12X-196	3	Lockwasher, Cover Screw, #10
12X-199	1	Lockwasher, Brg. Retaining Screw, 1/4
X-295	1	BEARING, BALL, S.A.E. #203
8X-305	2	Screw, Br. Lead, Rd. Hd. #8-32x1/4
8X-870	3	Screw, C.E. Cover, Fill. Hd. #10-32x5/16
X-2961	1	Oiler

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GBM-21B	1	Nut, Arm. Shaft, D.E.
GGW-2101FM	1	ARMATURE ASSEMBLY
GAR-171	2	Snap Ring
GR-32	2	Retainer, Felt Washer
PU-1001	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

GGW-1003D	1	Head Assy., Drive End
GBM-124	1	Gasket, Brg. Retainer
GBM-125	1	Retainer, Felt Washer, Inner
GBM-127	1	Retainer, Bearing
GBM-128	1	Retainer, Felt Washer, Outer
GG-164	2	Washer, Felt
GGW-3	1	Head, Drive End
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
12X-196	3	Lockwasher, Retainer Screw, #10
X-295	1	BEARING, BALL, S.A.E. #203
X-2961	1	Oiler

Miscellaneous Parts

GGW-1024	1	Band, Cover

UNIT	APPLICATION
GJD-6001A	General Electric

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

GJE-6001S GENERATOR PARTS LIST

GJE-6001S
(Issued 3-2-55)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GGA-20	2	Bolt, Thru
GGJ-2033	1	Frame & Field Assembly
GAA-32	1	Washer, Ins., Arm. Term.
GBW-34	1	Washer, Ins., Field Term.
GBY-38A	4	Screw, Pole Shoe
GDD-27	1	Bushing, Ins., Field Term.
GDD-28	1	Bushing, Ins., Arm. Term.
GFY-1005	1	COIL ASSEMBLY, FIELD, COMPLETE
GEB-58	1	Stud, Field Term., #10-32
GFY-1007A	1	Coil Assy., Field Left
GFY-53A	1	Lead Assembly
X-1425	1	Terminal
GGJ-27	1	Stud, Arm. Term., 1/4-28
GFY-1008A	1	Coil, Field, Right
GGA-52	1	Insulation, Term. Stud, Inner
MN-21	2	Pin, Dowel
12X-196	2	Lockwasher, Field Term., #10
12X-199	2	Lockwasher, Arm. Term., 1/4
8X-349	1	Washer, Field Term, Plain #10
8X-361	1	Washer, Arm. Term., Plain 1/4
8X-1063	2	Nut, Arm. Term., Hex. 1/4-28
8X-1377	2	Nut, Field Term., Hex. #10-32
12X-196	1	Lockwasher, Ground Screw, #10
12X-201	2	Lockwasher, Thru Bolt, 3/8
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16

Comm. End Head Assembly & Parts Used With

DA-22	1	Washer, Bearing Retaining
DA-60	1	Screw, Bearing Retaining
DB-17	1	Washer, Plain, Felt Retaining
DD-24C	1	Cover, Comm. End
DD-44	1	Gasket, C.E. Cover
GBY-28	1	Washer, Felt
GGJ-2012S	1	BRUSH SET, SERVICE
GGJ-2021S	1	Head Assy., Comm. End
GBY-25	2	Spring, Brush
GCE-54	2	Arm, Brush
8X-119	3	Screw, C.E. Cover, Fill. Hd. #10-32x1/2

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
12X-195	2	Lockwasher, Lead Screw, #8
12X-196	3	Lockwasher, Cover Screw, #10
12X-199	1	Lockwasher, Brg. Retaining Screw, 1/4
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler
X-867	1	BEARING, BALL, SHIELDED, S.A.E. #303

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm. Shaft, D.E.
GGA-70	1	Spacer, Armature Shaft
GJE-2101F	1	ARMATURE
X-263	1	Key, Woodruff, #8
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

GGA-1068	1	Head Assy., Drive End
GGA-68	1	Head, Drive End
GGF-9	2	Washer, Felt
GGF-10	1	Retainer, Felt Washer, Outer
GGF-11	1	Gasket
GGF-12	1	Retainer, Felt Washer, Inner
GGF-13	1	Retainer, Bearing
12X-196	3	Lockwasher, Retainer Screw, #10
X-298	1	BEARING, BALL, S.A.E. #204
8X-311	3	Screw, Brg. Retainer, Rd. Hd. #10-32x3/8
X-489	1	Oiler

Miscellaneous Parts

GCD-24	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

NOTE: VBA-4205A (Pos. Grd.) or VBA-4206A (Neg. Grd.) CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator

UNIT	APPLICATION
GJE-6001S	Service Generator

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GJF-6001AM, M-S1 GENERATOR PARTS LIST

GJF-6001AM, M-S1
(Issued 2-7-56)

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
DK-23C	2	Bolt, Thru
GHF-2047	1	Frame & Field Assy.
GAA-32	1	Washer, Ins. Field Term., Outer
GBY-38C	2	Screw, Pole Shoe
GC-26	1	Washer, Ins., Field Term.
GCY-28A	1	Bushing, Ins., Arm. Term.
GDW-22	1	Ins., Arm. Term., Inner
GGU-32	1	Bushing, Ins., Field Term.
GHF-1005	1	COIL ASSY., FIELD, COMPLETE
GDW-23A	1	Stud, Arm. Term., 5/16-24
GDZ-28	1	Stud, Field Term., 1/4-28
GEA-30G	1	Lead Assy.
X-847	1	Terminal
GHF-1007	1	Coil, Field, Left
GHF-1008	1	Coil, Field, Right
MN-21A	2	Pin, Dowel
MU-37G	1	Washer, Plain, Arm. Term., 5/16
SS-13	1	Washer, Ins. Arm. Term., Outer
VAD-79	1	Washer, Ins., Arm. Term.
X-180	2	Nut, Arm. Term., Hex. 5/16-24
X-187	1	Washer, Plain, Field Term., #14
12X-199	2	Lockwasher, Field Term., 1/4
12X-1014	2	Lockwasher, Arm. Term., 5/16
X-2903	2	Nut, Field Term., Hex. 1/4-28
X-20	1	Screw, Ground, Rd. Hd. #10-32x5/16
12X-196	1	Lockwasher, Gr. Screw, #10
12X-1014	2	Lockwasher, Thru Bolt, 5/16

Comm. End Head Assembly & Parts Used With

GBW-2012AS	1	BRUSH SET, SERVICE
GJF-2002S	1	Head Assy., Comm. End
GGU-33	1	Gasket, C.E. Cover
GGU-34A	1	Cover, Comm. End
GGU-41	1	Wick, Felt
GJF-1002A	1	Head Assy., Partial, C.E.
GBW-45A	2	Spring, Brush
GCJ-26B	2	Arm, Brush
GGU-38A	1	BEARING, ABS. BRONZE
12X-195	3	Lockwasher, Cover Sc., #8
X-489A	1	Oiler
X-1754	3	Screw, Cover, Fill. Hd. #8-32x5/16

Comm. End Head Assembly & Parts (Con't.)

Part No.	No. Used	Name of Part
X-10	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
12X-195	2	Lockwasher, Lead Sc., #8

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm. Shaft, D.E.
GEG-55	1	Spacer, Arm. Shaft
GJF-3006FM	1	ARMATURE ASSY.
GAR-171A	1	Snap Ring
GR-32B	1	Retainer, Felt Washer
*	1	Pulley, Drive
X-261	1	Key, Woodruff, #6
12X-864	1	Lockwasher, Shaft, D.E.

Drive End Head Assembly & Parts Used With

GJF-1003	1	Head Assy., Drive End
GBM-124	1	Gasket, Brg. Retainer
GBM-125A	1	Retainer, Felt Washer, Inner
GBM-127A	1	Retainer, Bearing
GBM-128A	1	Retainer, Felt Washer, Outer
GG-164	2	Washer, Felt
GGW-52A	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
GJF-3	1	Head, Drive End
12X-196	3	Lockwasher, Retainer Sc., #10
X-295	1	BEARING, BALL, S.A.E. #203
X-489A	1	Oiler

Miscellaneous Parts

GCE-24L	1	Band, Cover
X-2875	1	Nut, Cover Band, Square #10-32
X-2882	1	Screw, Cover Band, Fill. Hd. #10-32x1 1/2

Note: VRS-6007AM CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

* See table following parts list for part number applying to assembly wanted.

Assembly No.	Pulley
GJF-6001AM	PU-185
GJF-6001M-S1	None

UNIT	APPLICATION
GJF-6001AM GJF-6001M-S1	Chrysler Marine Service Gen.

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."