

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GCK-4804-1 GENERATOR PARTS LIST

GCK-4804-1
(Issued 2-15-55)

Frame & Field Assembly & Parts Used With			Comm. End Head Assembly (Continued)		
Part No.	No. Used	Name of Part	Part No.	No. Used	Name of Part
GCK-3059A	1	Frame & Field Assembly	8X-888	4	Screw, C. E. Cover, Fill. Hd. #8-32x5/16
GAA-32	1	Washer, Ins., Arm. Term.	X-195	2	Lockwasher, Lead Screw, #8
GAL-44	1	Insulation, Field Connection	8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
GBW-34	1	Washer, Ins., Field Term.	<u>Armature Assembly & Parts Used With</u>		
GBW-66	1	Insulation, Arm. Term., Inner	GAR-1177	1	Oil Thrower
GBW-67	1	Insulation, Field Term., Inner	GCK-2081F	1	ARMATURE
GCK-2005	1	COIL ASSY., FIELD COMPLETE	GK-174	1	Washer, Shaft, Plain 1/2
GBW-99	1	Lead Assembly	X-156	1	Nut, Arm. Shaft, D. E.
X-847	1	Terminal	X-263	1	Key, Woodruff, #8
GCK-1007A	1	Coil, Field, Left	X-404	1	Pin, Cotter
GCK-1008A	1	Coil, Field, Right	<u>Drive End Head Assembly & Parts Used With</u>		
GEA-27	1	Stud, Arm. Term., #14-24	GAR-1247	1	Head Assy., Drive End
GEB-58	1	Stud, Field Term., #10-32	GAR-95	1	Washer, Felt
GCT-25	1	Bushing, Ins., Arm. Term.	GAR-247	1	Head, Drive End
GCY-25	1	Bushing, Ins., Field Term.	GGW-52	3	Screw, Retainer, Rd. Hd. #10-32x1/2
GK-38	2	Screw, Pole Shoe	GX-9	1	Retainer, Bearing
MN-21	2	Pin, Dowel	GX-10	1	Gasket
8X-177	2	Nut, Arm. Term., Hex. #14-24	12X-196	3	Lockwasher, Retainer Screw, #10
X-196	2	Lockwasher, Field Term., #10	X-378	1	BEARING, BALL, SHIELDED, S. A. E. #204
X-199	2	Lockwasher, Arm. Term., 1/4	<u>Miscellaneous Parts</u>		
8X-349	1	Washer, Field Term., Plain #10	GBW-i024C	1	Band, Cover
8X-361	1	Washer, Arm. Term., Plain 1/4	X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-1377	2	Nut, Field Term., Hex. #10-32	8X-794	1	Nut, Cover Band, Square #10-32
GK-20A	2	Bolt, Thru	† BRUSH SET, SERVICE GBW-2012AS.		
X-196	1	Lockwasher, Grd. Screw, #10	NOTE: VRU-4001A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.		
X-199	2	Lockwasher, Thru Bolt, 1/4			
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16			
<u>Comm. End Head Assembly & Parts Used With</u>					
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			

UNIT	APPLICATION
GCK-4804-1	Atlas Diesel

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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

GCK-4805, A GENERATOR PARTS LIST

GCK-4805, A
(Issued 1-28-52)

Frame & Field Assembly & Parts Used With			Comm. End Head Assembly (Continued)		
Part No.	No. Used	Name of Part	Part No.	No. Used	Name of Part
GCK-2001	1	Frame & Field Assy.	GBF-79	1	BEARING, ABS. BRONZE
GAA-32	1	Washer, Ins., Arm. Term.	GBW-45	2	Spring, Brush
GAL-44	1	Insulation, Field Connection	GCJ-26	2	Arm, Brush
GBW-34	1	Washer, Ins., Field Term.	GBW-1068	1	Cover, Comm. End
GBW-40	1	Lead Assembly	12X-195	4	Lockwasher, Cover Sc., #8
GAA-27	1	Stud, Arm. Term., #14-24	8X-888	4	Screw, Cover, Fill. Hd. #8-32x5/16
X-847	1	Terminal	GGU-2012S	1	BRUSH SET, SERVICE
GBW-66	1	Insulation, Square, Arm. Term.	X-195	2	Lockwasher, Lead Sc., #8
GBW-67	1	Insulation, Square, Field Term.	8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
GCK-1005	1	COIL ASSY., FIELD, COMPLETE	<u>Armature Assembly & Parts Used With</u>		
GCK-1007	1	Coil Assy., Field, Left Terminal	GCK-2006F	1	ARMATURE ASSY.
GCK-1008	1	Coil, Field, Right	GAR-171	1	Snap Ring
GEB-58	1	Stud, Field Term., #10-32	GK-175	1	Nut, Arm. Shaft, D. E.
GCT-25	1	Bushing, Ins., Arm. Term.	GR-32	1	Retainer, Felt Washer
GCY-25	1	Bushing, Ins., Field Term.	*	1	Pulley, Drive
GK-38	2	Screw, Pole Shoe	X-260	1	Key, Woodruff, #5
MN-21	2	Pin, Dowel	X-864	1	Lockwasher, Shaft, D. E.
8X-177	2	Nut, Arm. Term., Hex. #14-24	<u>Drive End Head Assembly & Parts Used With</u>		
12X-196	2	Lockwasher, Field Term., #10	GBJ-1003C	1	Head Assy., Drive End
12X-199	2	Lockwasher, Arm. Term., 1/4	GAR-63	1	Retainer, Felt Washer
8X-349	1	Washer, Field Term., Plain #10	GAR-64	1	Retainer, Bearing
8X-361	1	Washer, Arm. Term., Plain 1/4	GBJ-3C	1	Head, Drive End
8X-1377	2	Nut, Field Term., Hex. #10-32	GG-164	2	Washer, Felt
GY-20	2	Bolt, Thru	8X-173	3	Nut, Retainer Sc., Hex. #10-32
12X-196	1	Lockwasher, Grd. Sc., #10	X-196	3	Lockwasher, Retainer Sc., #10
12X-199	2	Lockwasher, Thru Bolt, 1/4	X-295	1	BEARING, BALL, S. A. E. #203
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16	X-489	1	Oiler
<u>Comm. End Head Assembly & Parts Used With</u>			8X-1003	3	Screw, Retainer, Rd. Hd. #10-32x7/8
GBW-2002S	1	Head Assy., Comm. End	<u>Miscellaneous Parts</u>		
GAR-73	1	Wick, Felt	GBW-24B	1	Band, Cover
GAR-98A	1	Cover, Wick	8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
GBW-69	1	Gasket, C. E. Cover	8X-794	1	Nut, Cover Band, Square #10-32
GBW-72	1	Oil Guard	* See table following parts list for part numbers applying to assembly wanted.		
GBW-73	1	Gasket, Oil Guard	(Continued on Reverse Side)		
GBW-1002A	1	Head Assy., Partial, C. E.			

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ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GCK-4805, A GENERATOR PARTS (Cont.)

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

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ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

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 Throwing 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

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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				
GCT-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				
GCT-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

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ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GCM-4802A, GENERATOR PARTS LIST
B

GCM-4802A, B

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.

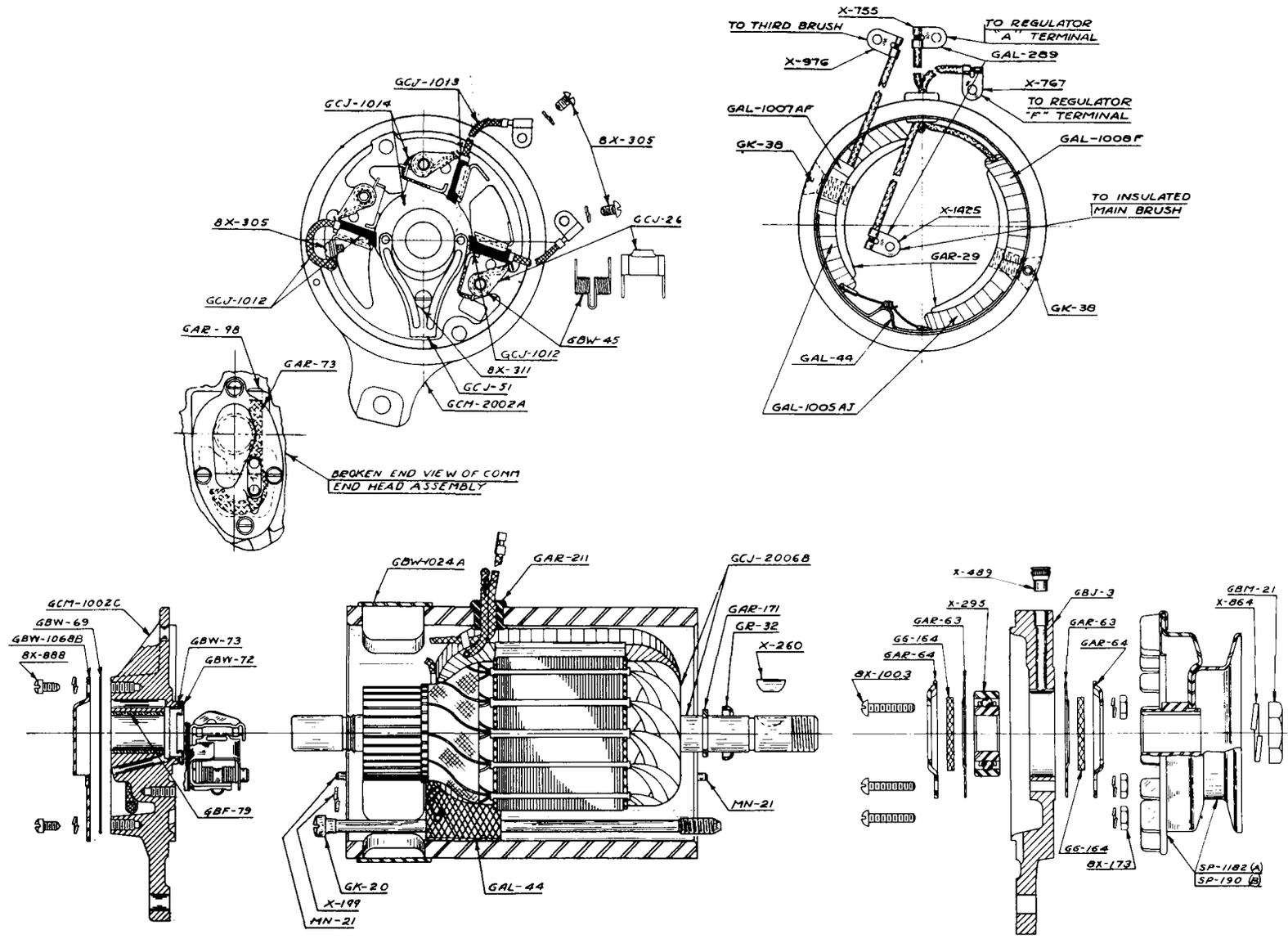
UNIT	APPLICATION
GCM-4802A, B	Studebaker

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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."

GCM-4802A,B GENERATOR ILLUSTRATION



GCM-4802A,B
File A-427

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GCM-4802A, GENERATOR PARTS LIST
B

GCM-4802A, B

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

GEM-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.

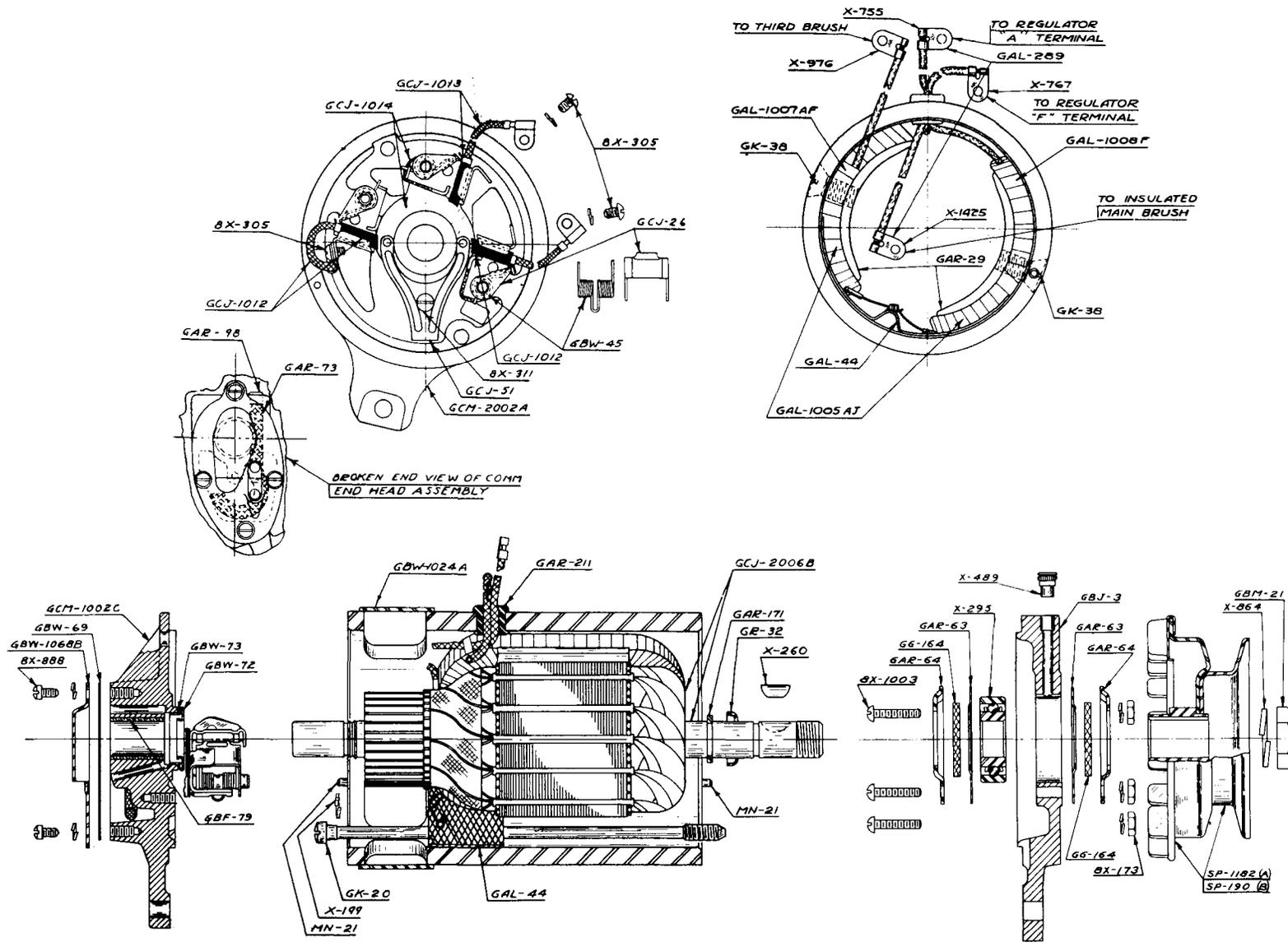
UNIT	APPLICATION
GCM-4802A, B	Studebaker

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-4802A,B GENERATOR ILLUSTRATION



GCM-4802A,B
File A-427

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GCM-4803, GENERATOR PARTS LIST
A, B

GCM-4803,
A, B

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					

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					

(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.

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File in
Equipment & Parts Lists Bindet

"NOTE: 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

GCM-4804 GENERATOR PARTS LIST

GCM-4804

Frame & Field Assembly & Parts Used With					Armature Assembly & Parts Used With								
Part No.	No. Used	Name of Part					Part No.	No. Used	Name of Part				
		1	2	3	4	5			1	2	3	4	5
(GCM-2042)	1	Frame & Field Assembly					GAR-1177	1	Oil Thrower Assembly				
GAL-44	1	Field Connection Ins.					GBM-21	1	Armature Shaft Nut				
GAL-1005Z	1	Field Coil Assy. - Comp.					GCJ-2042	1	Armature Assembly				
GAL-1007T	1	Field Coil Assy. - Left					GAR-171	1	Snap Ring				
GAL-298	1	C.B. Lead Assy.					SP-96	1	Generator Fan				
X-755	1	Terminal					X-157	1	1/2-20 Slotted Nut				
X-1425	1	Terminal					X-258	1	#3 Woodruff Key				
X-976	1	Terminal					X-263	1	#8 Woodruff Key				
GAL-1008F	1	Field Coil Assy. - Right					X-358	1	1/2 Plain Steel Washer				
X-767	1	Terminal					X-404	1	3/32x1 Cotter Pin				
GAR-29	2	Pole Piece					X-864	1	.669 Lock Washer				
GAR-211	1	Insulating Bushing					<u>Drive End Head Assembly & Parts Used With</u>						
GK-38	2	Pole Piece Screw					CAL-1330	1	Drive End Head Assy.				
MN-21	2	Dowel Pin					GAL-330	1	Drive End Head				
GT-20	2	Frame Screw					GX-9	1	Bearing Retainer				
X-199	2	1/4 Lock Washer					GX-10	1	Gasket				
<u>Comm. End Plate Assembly & Parts Used With</u>						X-196	3	#10 Lock Washer					
DA-39	2	Flat Oil Guard					8X-311	3	#10-32x3/8 Rd. Hd. Screw				
DA-132	1	Felt Washer					X-378	1	Ball Bearing - Oil Seal				
GAB-188	1	Felt Washer					<u>Miscellaneous Parts</u>						
GAR-82	1	Air Deflector					GBW-1024A	1	Head Band Assembly				
GAR-83	1	Comm. End Cap Cover					TC-4302A	1	Two Charge Regulator				
GBJ-25	1	End Cap Cover Gasket					X-196	4	#10 Lock Washer				
(GCM-2035)	1	Comm. End Plate Assy.					8X-321	4	#10-32x5/16 Rd. Hd. Screw				
GCJ-51	1	3rd Brush Plate Retain'g Spring					X-715	1	#10-32x1 1/4 Rd. Hd. Screw				
GCJ-1014	1	3rd Brush Plate Assy.					8X-794	1	#10-32 Square Nut				
GBW-45	1	Brush Spring							1	2	3	4	5
GCJ-26	1	Brush Arm							(Issued 7-13-37)				
GCJ-1012†	2	Brush - Main											
GCJ-1013†	1	Brush - Third											
GCM-1035	1	Comm. End Plate Part Assembly											
GEW-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							

† Service Brush Set GCJ-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."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GCM-4805 GENERATOR PARTS LIST

GCM-4805

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-25	1	End Cap Cover Gasket				
(GCM-3037)	1	Comm. End Plate Assembly				
GCJ-51	1	3rd Brush Plate Retaining Spring				
GCJ-10121	2	Brush - Main				
GCJ-10131	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				
GEM-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.

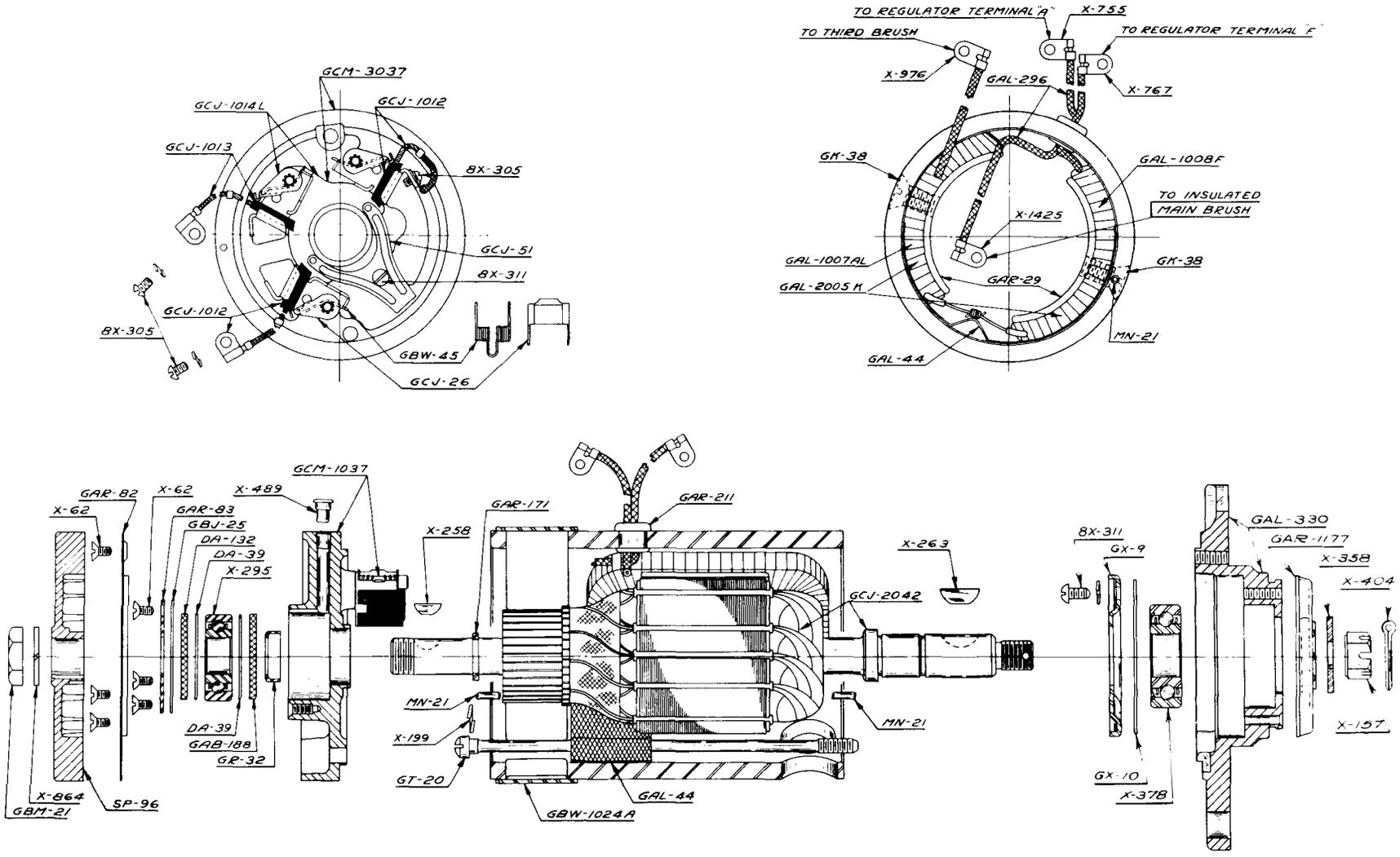
UNIT	APPLICATION
GCM-4805	Nelson LeMoon

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File in
Equipment & Parts List Binder

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GCM-4805 GENERATOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GCM-4806 GENERATOR PARTS LIST

GCM-4806

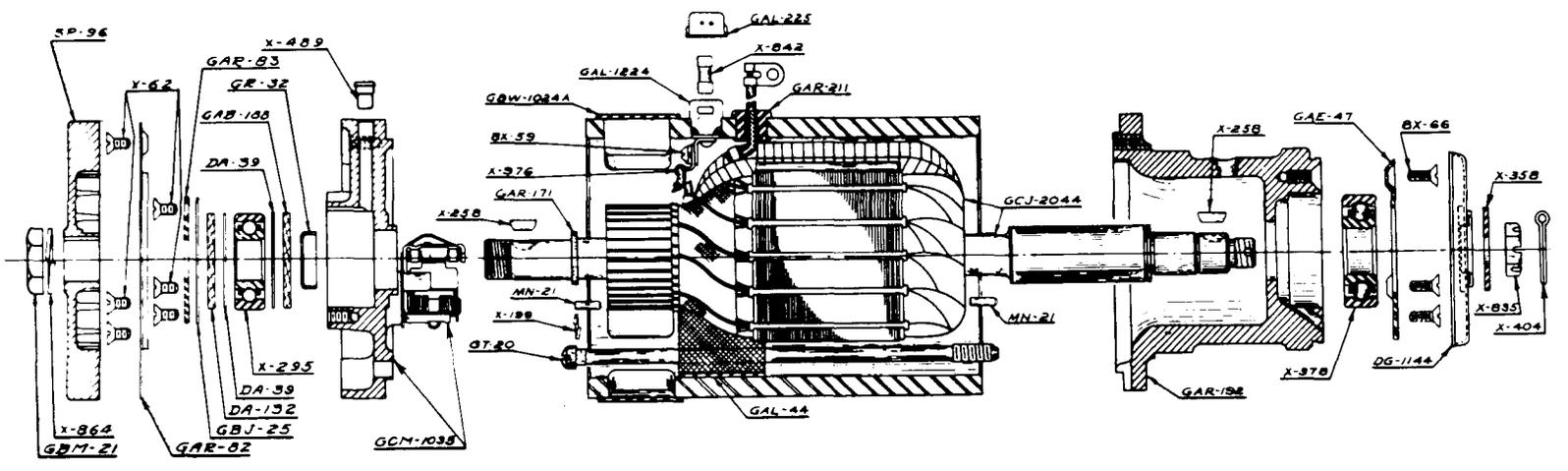
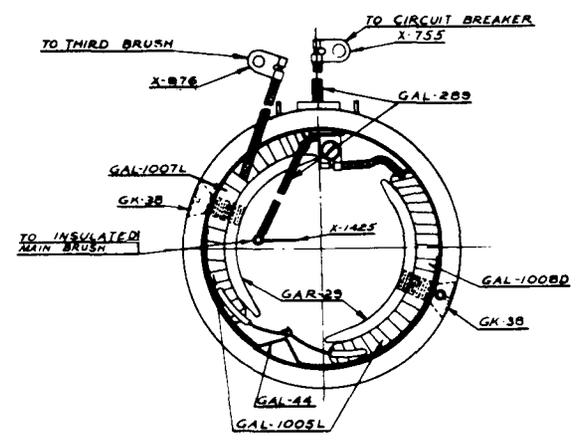
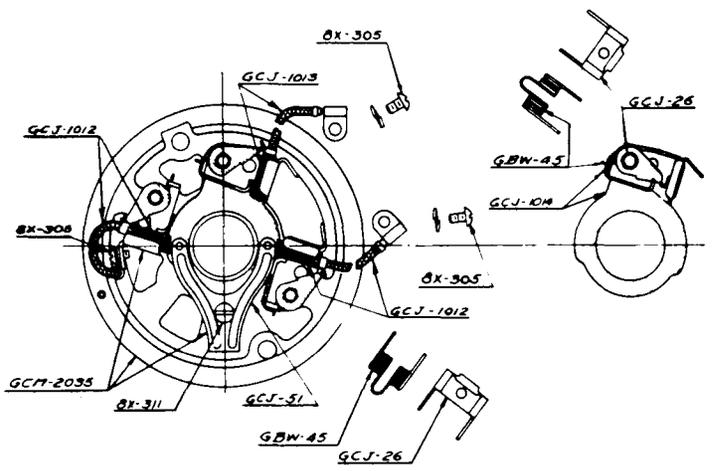
Frame & Field Assembly & Parts Used With					Armature Assembly & Parts Used With								
Part No.	No. Used	Name of Part					Part No.	No. Used	Name of Part				
		1	2	3	4	5			1	2	3	4	5
GAL-225	1	Fuse Cover					DG-1144	1	Oil Thrower				
(GCM-2039)	1	Frame & Field Assy.					GEM-21	1	Armature Shaft Nut				
GAL-44	1	Field Connection Ins.					GCJ-2044	1	Armature Assembly				
GAL-1005L	1	Field Coil Assy. - Comp.					GAR-171	1	Snap Ring				
GAL-1007I	1	Field Coil Assy. - Left					SP-96	1	Ventilating Fan				
GAL-289	1	C.B. Lead Assy.					X-258	2	#3 Woodruff Key				
X-755	1	Terminal					X-358	1	1/2 Plain Steel Washer				
X-1425	1	Terminal					X-404	1	3/32x1 Cotter Pin				
X-976	1	Terminal					X-835	1	1/2-20 Slotted Nut				
GAL-1008D	1	Field Coil Assy. - Right					X-864	1	.569 Lock Washer				
X-976	1	Terminal					Drive End Head Assembly & Parts Used With						
GAL-1224	1	Fuse Holder					GAR-1192	1	Drive End Head Assy.				
GAR-29	2	Pole Piece					GAE-47	1	Bearing Retainer				
GAR-211	1	Ins. Bushing					GAR-192	1	Drive End Head				
GK-38	2	Pole Piece Screw					8X-66	3	#10-32x1/2 Flat Hd. Screw				
MN-21	2	Dowel Pin					X-378	1	Ball Brg. - Jil Seal				
BX-59	1	#8-32x3/16 Rd. Hd. Screw					Miscellaneous Parts						
X-195	1	#8 Lock Washer					CB-4014	1	Circuit Breaker Assy.				
GT-20	2	Frame Screw					CB-123	1	Armature Spring				
X-199	2	1/4 Lock Washer					CB-160	1	C.B. Cover				
X-842	1	Fuse - 5 Ampere					PX-55	1	#10-32x3/16 Bdg. Hd. Screw				
Comm. End Plate Assembly & Parts Used With						X-196	2	#10 Lock Washer					
DA-39	2	Flat Oil Guard					8X-312	1	#10-32x1/4 Rd. Hd. Screw				
DA-132	1	Felt Washer					GBW-1024A	1	Head Band Assy.				
GAB-198	1	Felt Washer					X-196	2	#10 Lock Washer				
GAR-82	1	Air Deflector					8X-321	2	#10-32x5/16 Rd. Hd. Screw				
GAR-83	1	Comm. End Cap Cover					X-715	1	#10-32x1 1/4 Rd. Hd. Screw				
GBJ-25	1	End Cap Cover Gasket					8X-794	1	#10-32 Square Nut				
(GCM-2035)	1	Comm. End Plate Assy.							1	2	3	4	5
GCJ-51	1	3rd Brush Plate Retain'g Spring					(Issued 10-22-37)						
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-25	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							

‡ Service Brush Set GCJ-2012S.

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Equipment & Parts List Binder

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GCM-4806 GENERATOR ILLUSTRATION

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GCM-4807A GENERATOR PARTS LIST

GCM-4807A

Frame & Field Assembly & Parts Used With					Armature Assembly & Parts Used With									
Part No.	No. Used	Name of Part					Part No.	No. Used	Name of Part					
		1	2	3	4	5			1	2	3	4	5	
GAL-225	1	Fuse Cover					GBM-21	1	Armature Shaft Nut					
(GCM-2040)	1	Frame & Field Assy.					GCJ-2046	1	Armature Assembly					
GAL-44	1	Field Connection Ins.					GAR-171	2	Snap Ring					
GAL-1005AL	1	Field Coil Assy. - Comp.					SP-265	1	Drive Pulley					
GAL-1007AG	1	Field Coil Assy. - Left					X-260	1	#5 Woodruff Key					
GAL-171	1	C.B. Lead Assy.					X-864	1	.669 Lock Washer					
X-755	1	Terminal					Drive End Head Assembly & Parts Used With							
X-1425	1	Terminal					GAR-1062B	1	Drive End Head Assy.					
X-976	1	Terminal					GAR-62A	1	Drive End Head					
GAL-1008D	1	Field Coil Assy. - Right					GAR-63	2	Felt Guard					
						GAR-64	2	Bearing Retainer						
X-976	1	Terminal					GG-164	2	Felt Washer					
GAL-1224	1	Fuse Holder					8X-173	3	#10-32 Hex. Nut					
GAR-29	2	Pole Piece					X-295	1	Ball Brg. - S.A.E. #203					
GAR-211	1	Insulating Bushing					X-489	1	1/4 Oiler - Press in Type					
GK-38	2	Pole Piece Screw					8X-1003	3	#10-32x7/8 Rd. Hd. Screw					
MN-21	2	Dowel Pin					X-1270	3	#10 Skpf. Washer					
8X-59	1	#8-32x3/16 Rd. Hd. Screw					Miscellaneous Parts							
X-195	1	#8 Lock Washer					CB-4014	1	Circuit Breaker Assy.					
GK-20	2	Frame Screw					CB-123	1	Armature Spring					
X-199	2	1/4 Lock Washer					CB-160	1	C.B. Cover					
X-842	1	Fuse - 5 Ampere					PX-55	1	#10-32x3/16 Bdg. Hd. Sc.					
Comm. End Plate Assembly & Parts Used With						X-196	2	#10 Lock Washer						
DA-39	2	Flat Oil Guard					8X-312	1	#10-32x1/4 Rd. Hd. Screw					
DA-70	1	Armature Shaft Nut					GBW-1024A	1	Head Band Assembly					
GAR-83A	1	Comm. End Cap Cover					X-196	2	#10 Lock Washer					
3BJ-25	1	End Cap Cover Gasket					8X-321	2	#10-32x5/16 Rd. Hd. Screw					
(GCM-2031)	1	Comm. End Plate Assy.					X-715	1	#10-32x1 1/4 Rd. Hd. Screw					
GCJ-51	1	3rd Brush Plate Retain'g Spring					8X-794	1	#10-32 Square Nut					
								1	2	3	4	5		
GCJ-1014	1	3rd Brush Plate Assy.					(Issued 5-21-37)							
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												
3R-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								

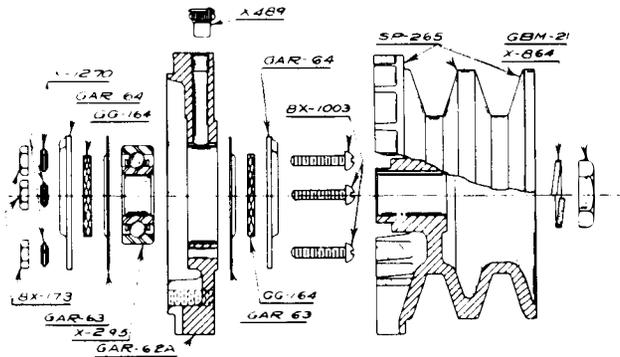
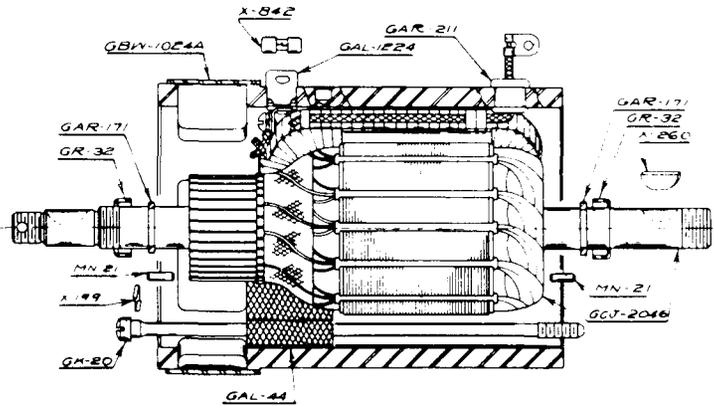
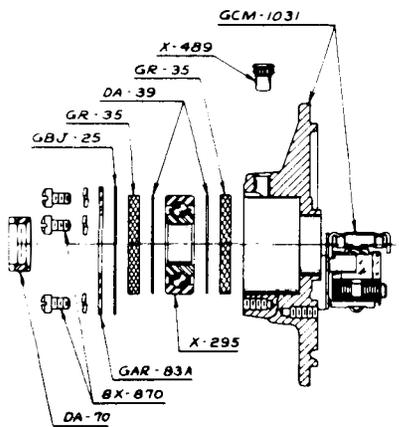
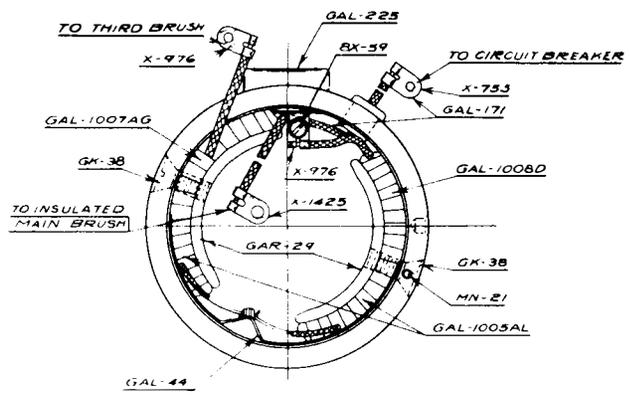
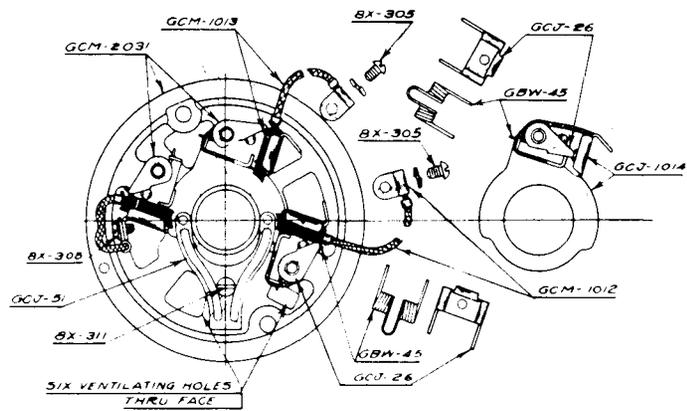
‡ Service Brush Set GCM-2012S.

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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-4807A GENERATOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GCM-4808 GENERATOR PARTS LIST

GCM-4808

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)

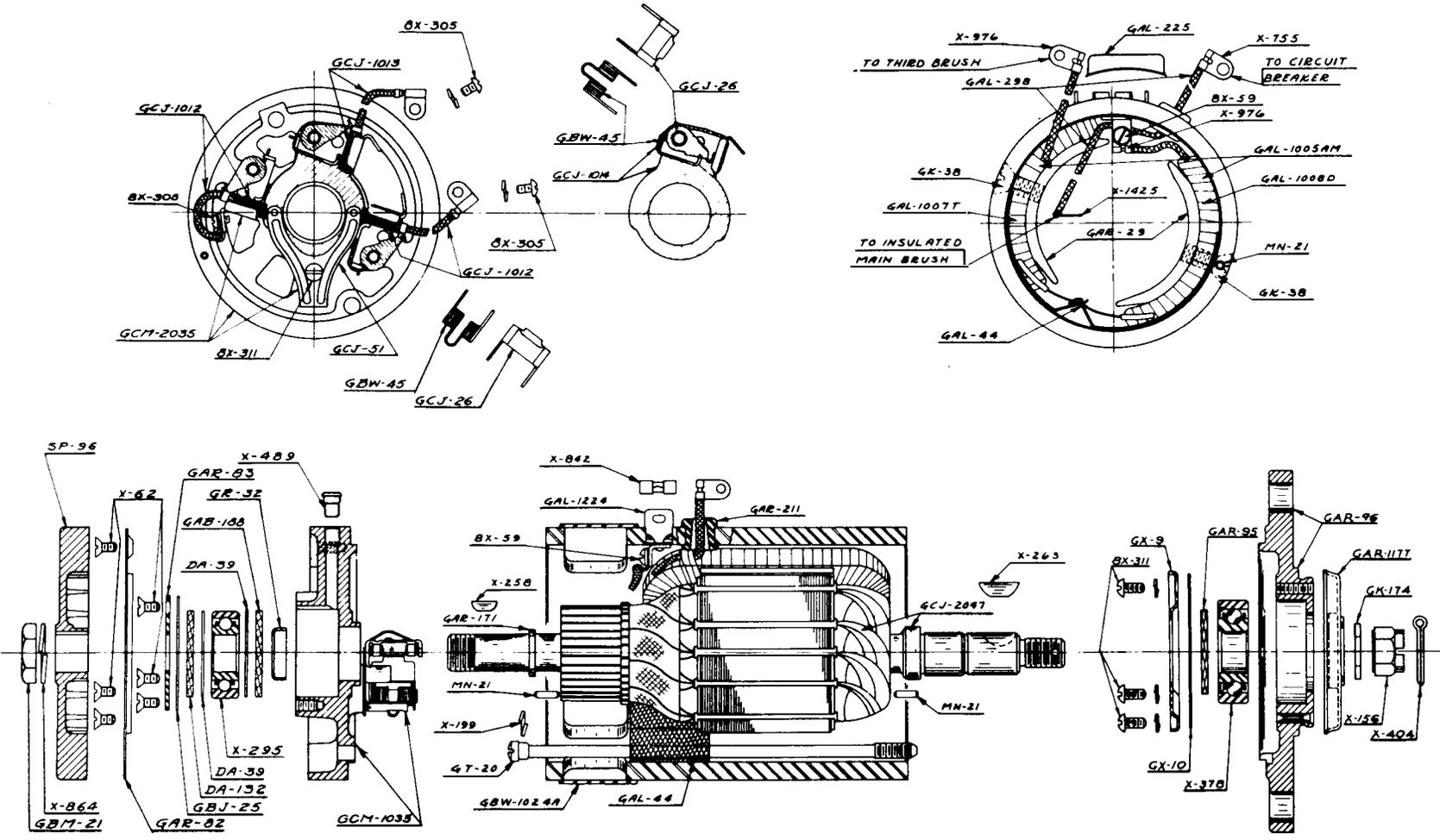
‡ Service Brush Set GCJ-2012S.

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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-4808 GENERATOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GCM-4809A GENERATOR PARTS LIST

GCM-4809A

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
GEM-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.

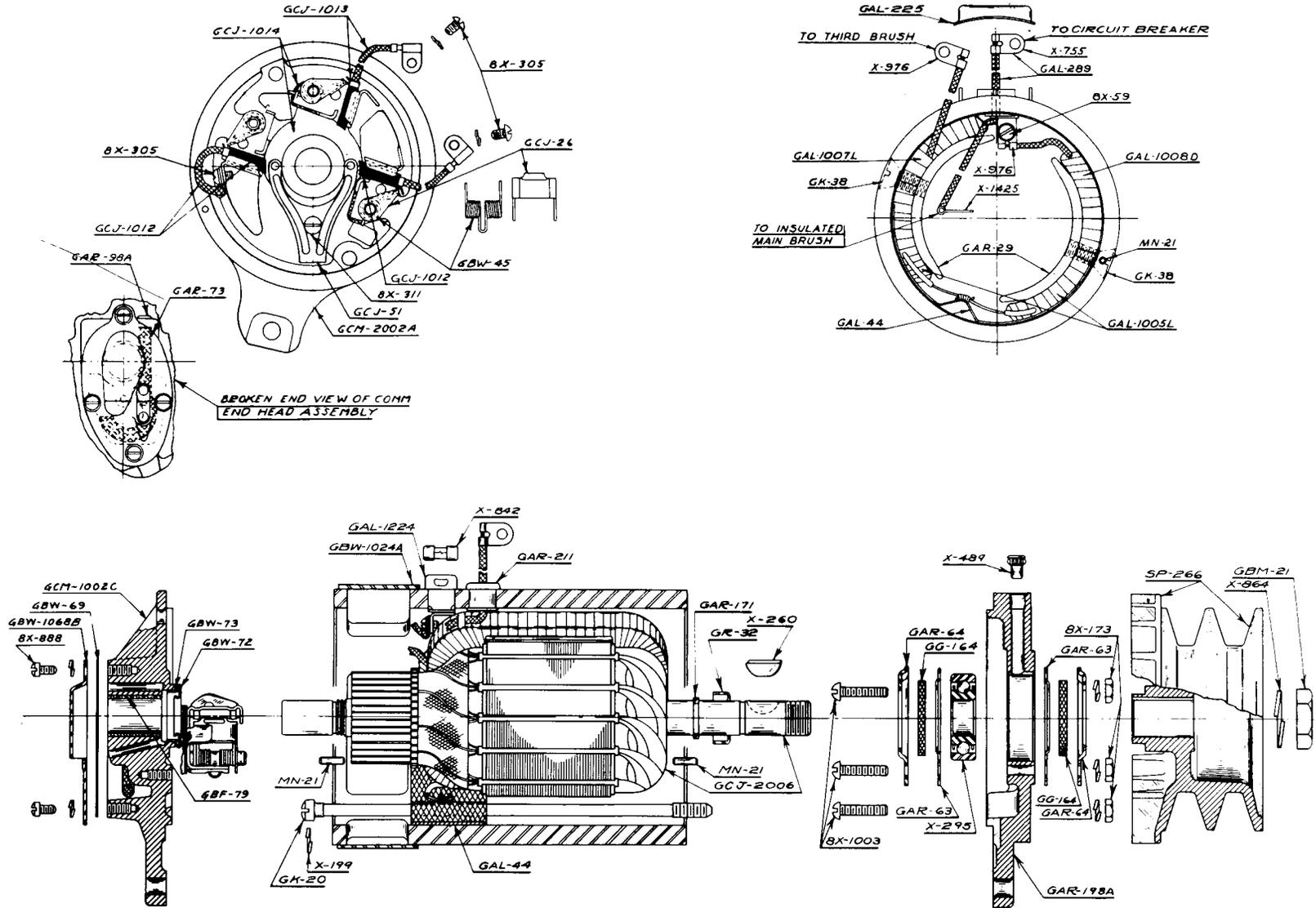
UNIT	APPLICATION
GCM-4809A	White

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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."

GCM-4809A GENERATOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

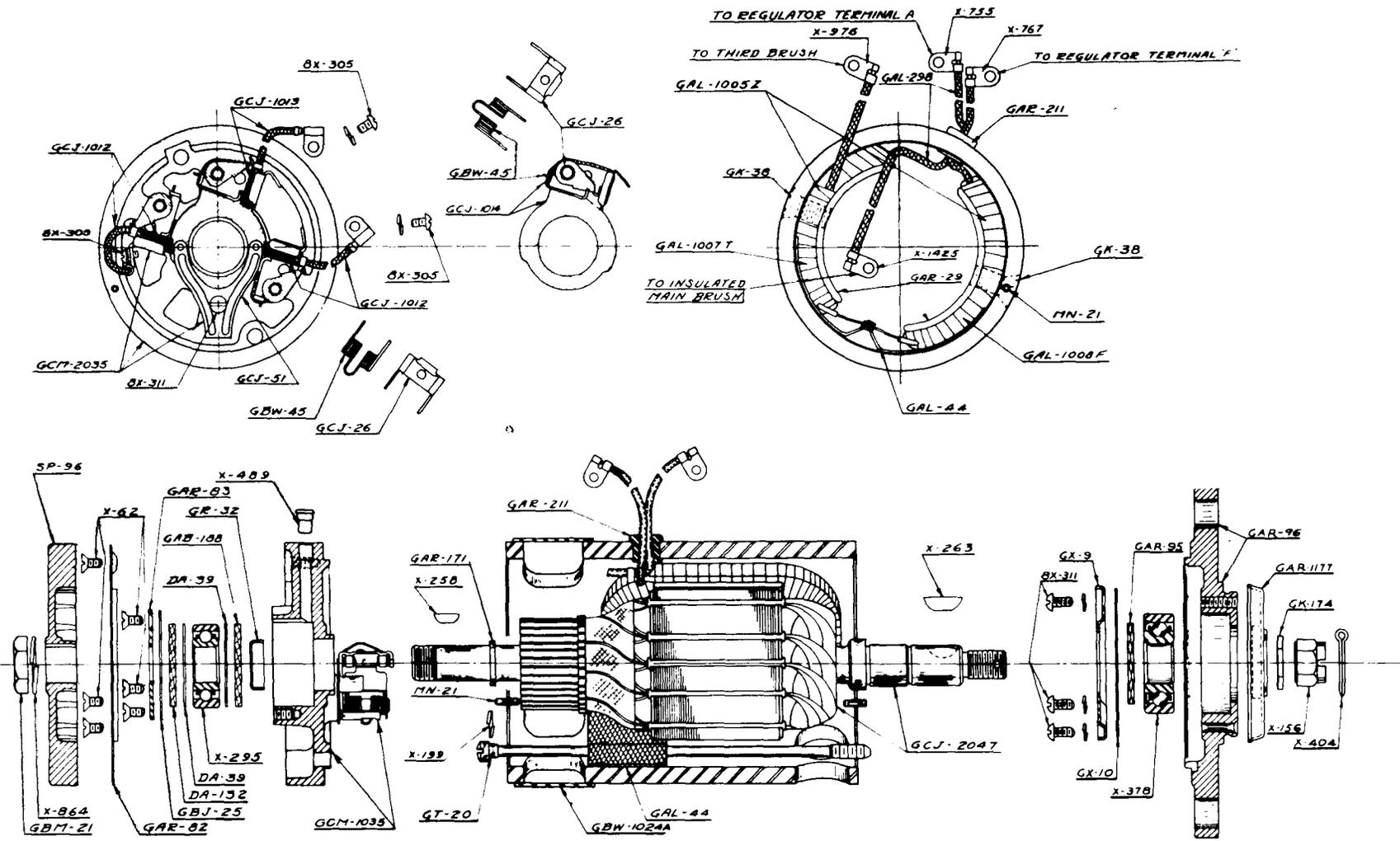
GCM-4810 GENERATOR PARTS LIST

GCM-4810

Frame & Field Assy. & Parts Used With						Armature Assembly & Parts Used With							
Part No.	No. Used	Name of Part					Part No.	No. Used	Name of Part				
		1	2	3	4	5			1	2	3	4	5
(GCM-2042)	1	Frame & Field Assy.					GAR-1177	1	Oil Throwing Assembly				
GAL-44	1	Field Connection Ins.					GBM-21	1	Armature Shaft Nut				
GAL-1005Z	1	Field Coil Assy.-Comp.					GCJ-2047	1	Armature Assy.				
GAL-1007T	1	Field Coil Assy.-Left					GAR-171	1	Snap Ring				
GAL-298	1	C. B. Lead Assy.					GK-174	1	1/2 Plain Washer				
X-755	1	Terminal					SP-96	1	Ventilating Fan				
X-1425	1	Terminal					X-156	1	1/2-20 Castellated Nut				
X-976	1	Terminal					X-258	1	#3 Woodruff Key				
GAL-1008F	1	Field Coil Assy.-Right					X-263	1	#8 Woodruff Key				
X-767	1	Terminal					X-404	1	3/32x1 Cotter Pin				
GAR-29	2	Pole Piece					X-864	1	.669 Lock Washer				
GAR-211	1	Ins. Bushing					<u>Drive End Head Assy. & Parts Used With</u>						
GK-38	2	Pole Piece Screw					GAR-1096	1	Drive End Head Assy.				
MN-21	2	Dowel Pin					GAR-95	1	Felt Washer				
GT-20	2	Frame Screw					GAR-96	1	Drive End Head				
X-199	2	1/4 Lock Washer					GX-9	1	D.E.Packing Retainer				
<u>Comm. End Plate Assy. & Parts Used With</u>						GX-10	1	Gasket					
DA-39	2	Flat Oil Guard					X-196	3	#10 Lock Washer				
DA-132	1	Felt Washer					6X-311	3	#10-32x3/8 Rd. Hd. Screw				
GAB-188	1	Felt Washer					X-378	1	Ball Brg.-S.A.E. #204 Oil Seal				
GAR-82	1	Air Deflector					<u>Miscellaneous</u>						
GAR-83	1	Comm. End Cap Cover					GBW-1024A	1	Head Band Assy.				
GBJ-25	1	End Cap Cover Gasket					TC-4302A	1	Two Charge Regulator				
(GCM-2035)	1	Comm. End Plate Assy.					X-196	4	#10 Lock Washer				
GCJ-51	1	3rd Brush Plate Retaining Spring					8X-321	4	#10-32x5/16 Rd. Hd. Screw				
GCJ-1012†	2	Brush - Main					X-715	1	#10-32x1 1/4 Rd. Hd. Screw				
GCJ-1013†	1	Brush - Third					8X-794	1	#10-32 Square Nut				
GCJ-1014	1	3rd Brush Plate Assy.							1	2	3	4	5
GBW-45	1	Brush Spring					(Issued 10-22-37)						
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											

† 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

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

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)

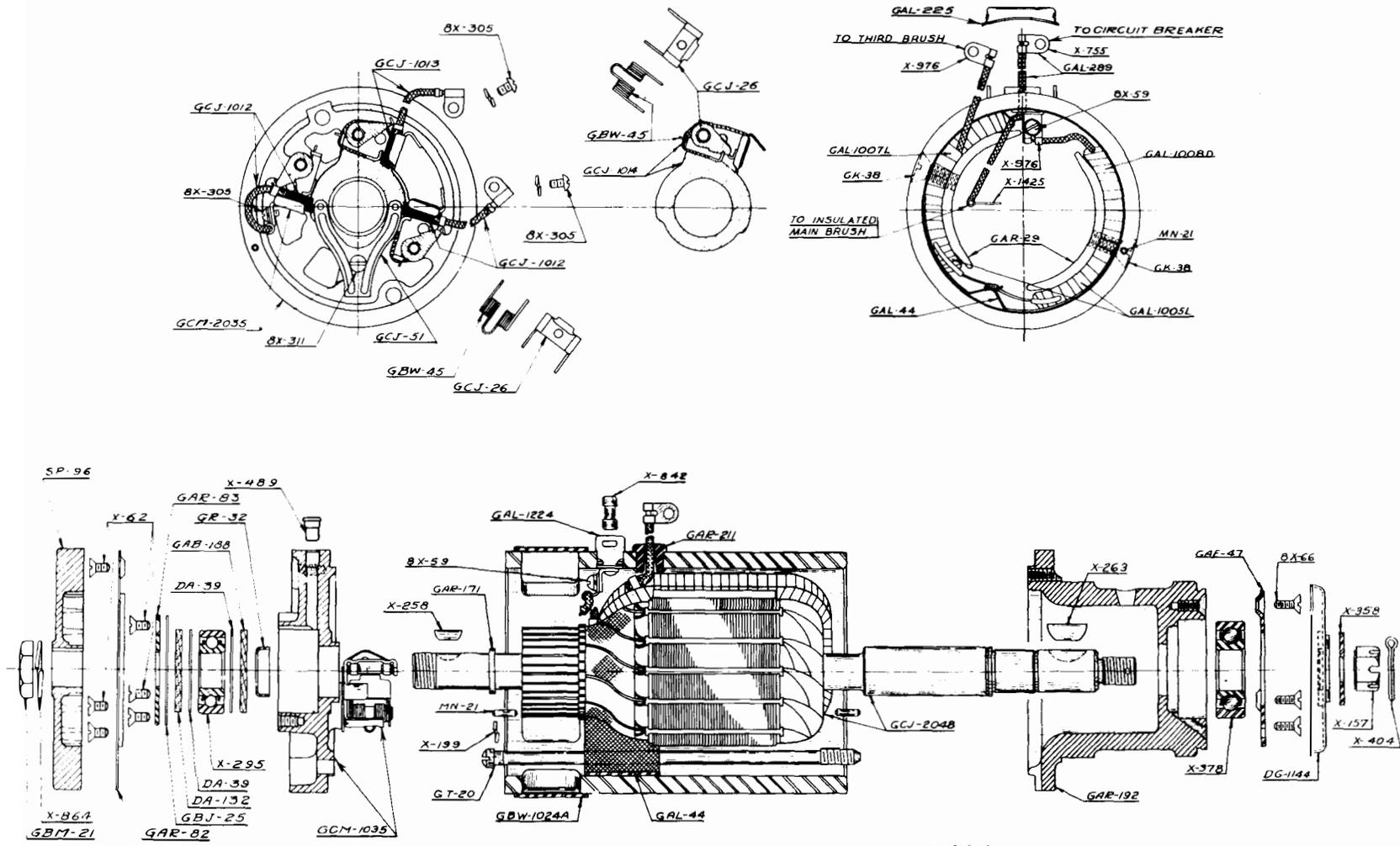
† Service Brush Set GCJ-2012S.

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GCM-4811 GENERATOR ILLUSTRATION



GCM-4811
FILE A-713

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GCM-4812 GENERATOR PARTS LIST

GCM-4812

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.

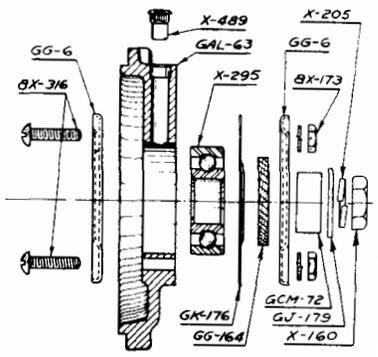
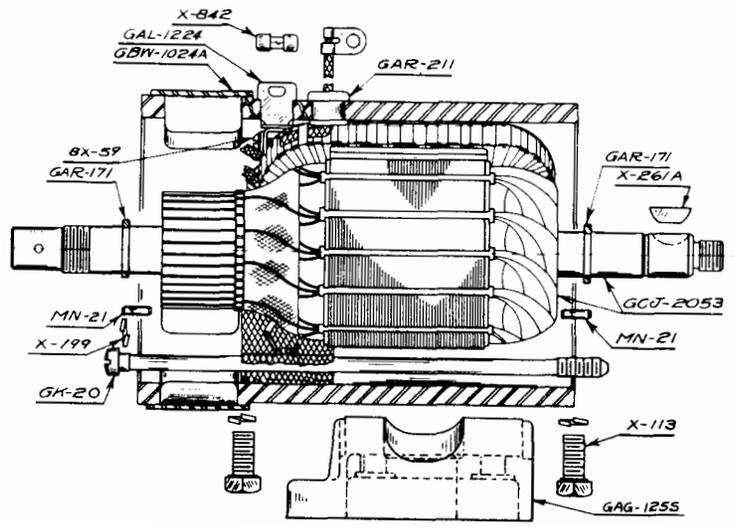
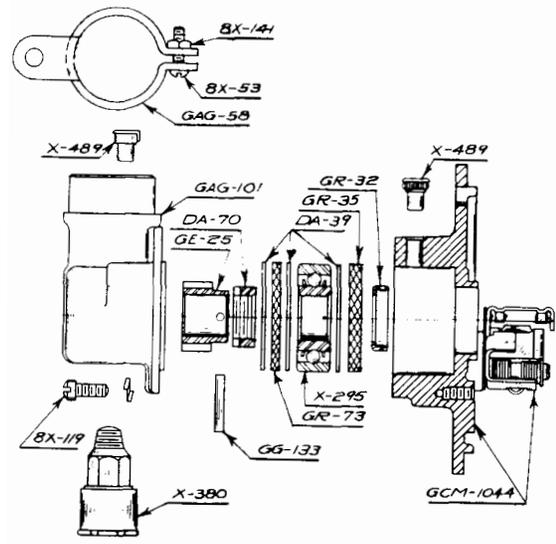
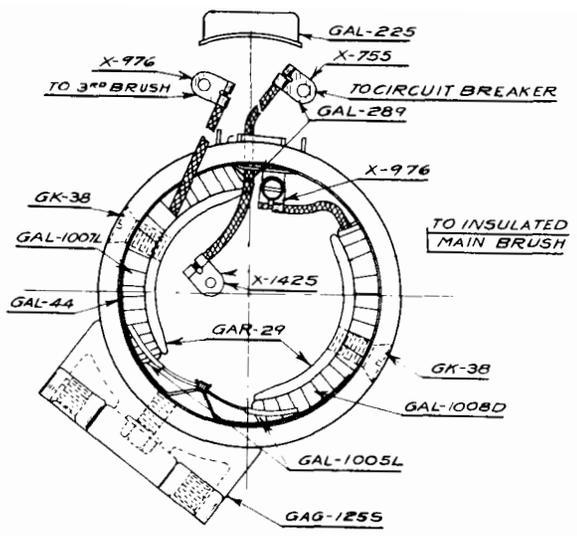
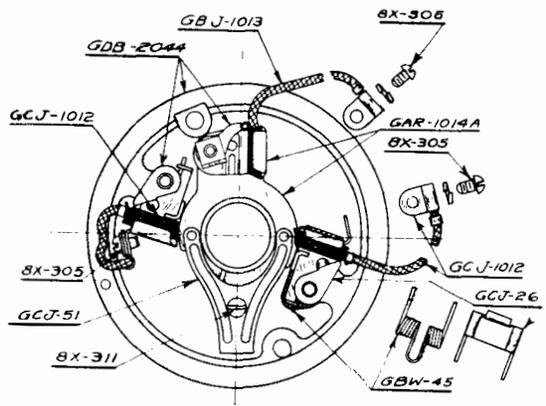
UNIT	APPLICATION
GCM-4812	Lycoming

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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-4812 GENERATOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GCM-4815A GENERATOR PARTS LIST

GCM-4815A

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.				
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-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				
GEW-32	1	Oil Guard				
GCJ-51	1	3rd Brush Plate Retain- ing Spring				
GCJ-1012†	2	Brush - Main				
GCJ-1013†	1	Brush - Third				
CCJ-1014	1	3rd Brush Plate Assy.				
GEW-45	1	Brush Spring				
GCJ-26	1	Brush Arm				
GCM-1051A	1	Comm. End Plate Part Assy.				
CEF-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 Erg.-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)

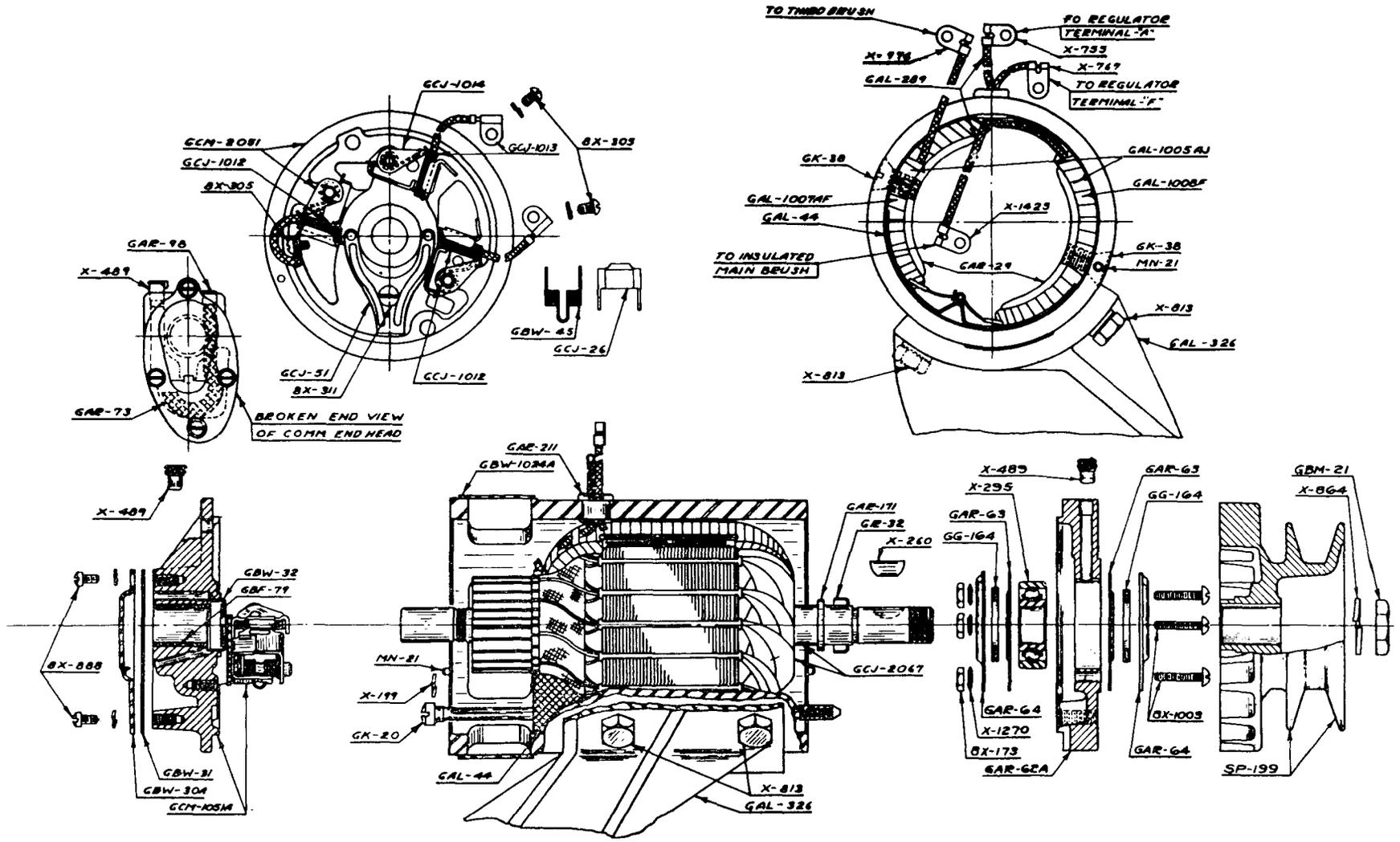
† Service Brush Set GCJ-2012S.

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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."

GCM-4815A GENERATOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GCM-4816A GENERATOR PARTS LIST

GCM-4816A

Frame & Field Assembly & Parts Used With					Armature Assembly & Parts Used With									
Part No.	No. Used	Name of Part			Part No.	No. Used	Name of Part							
		1	2	3	4	5			1	2	3	4	5	
GCM-45	1	Mounting Bracket			GBM-21	1	Armature Shaft Nut							
(GCM-2052)	1	Frame & Field Assy.			GCJ-2006	1	Armature Assembly							
GAL-44	1	Field Connection Ins.			GAR-171	1	Snap Ring							
GAL-1005AJ	1	Field Coil Assy. - Comp.			GR-32	1	Felt Washer Retainer							
GAL-1007AF	1	Field Coil Assy.-Left			SP-322	1	Drive Pulley							
GAL-289	1	C.B. Lead Assy.			X-260	1	#5 Woodruff Key							
X-755	1	Terminal			X-864	1	.669 Lock Washer							
X-1425	1	Terminal			<u>Drive End Head Assembly & Parts Used With</u>									
X-976	1	Terminal			GBJ-1003	1	Drive End Head Assy.							
GAL-1008F	1	Field Coil Assy.-Right			GAR-63	2	Felt Guard							
X-767	1	Terminal			GAR-64	2	Bearing Retainer							
GAR-29	2	Pole Piece			GBJ-3	1	Drive End Head							
GAR-211	1	Insulating Bushing			GG-164	2	Felt Washer							
GK-38	2	Pole Piece Screw			8X-173	3	#10-32 Hex. Nut							
MN-21	2	Dowel Pin			X-196	3	#10 Lock Washer							
GK-20	2	Frame Screw			X-295	1	Ball Brg. - S.A.E. #203							
X-199	2	1/4 Lock Washer			X-489	1	1/4 Oiler - Press in Type							
X-402	2	1/16x3/4 Cotter Pin			8X-1003	3	#10-32x7/8 Rd. Hd. Screw							
8X-863A	2	5/16-24 Hex. Hd. Screw			<u>Miscellaneous Parts</u>									
X-1014	2	5/16 Lock Washer			GBW-1024A	1	Head Band Assembly							
8X-1061	2	5/16-24 Castellated Nut			TC-4302A	1	Two Charge Regulator & Circuit Breaker							
<u>Comm. End Plate Assembly & Parts Used With</u>					X-196	4	#10 Lock Washer							
(GCM-2002A)	1	Comm. End Plate Assy.			8X-321	4	#10-32x5/16 Rd. Hd. Screw							
GAR-73	1	Oil Wick			X-715	1	#10-32x1 1/4 Rd. Hd. Screw							
GAR-98	1	Wick Cover			8X-794	1	#10-32 Square Nut							
GBW-69	1	Gasket					1	2	3	4	5			
GBW-72	1	Oil Guard			(Issued 8/12/38)									
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								

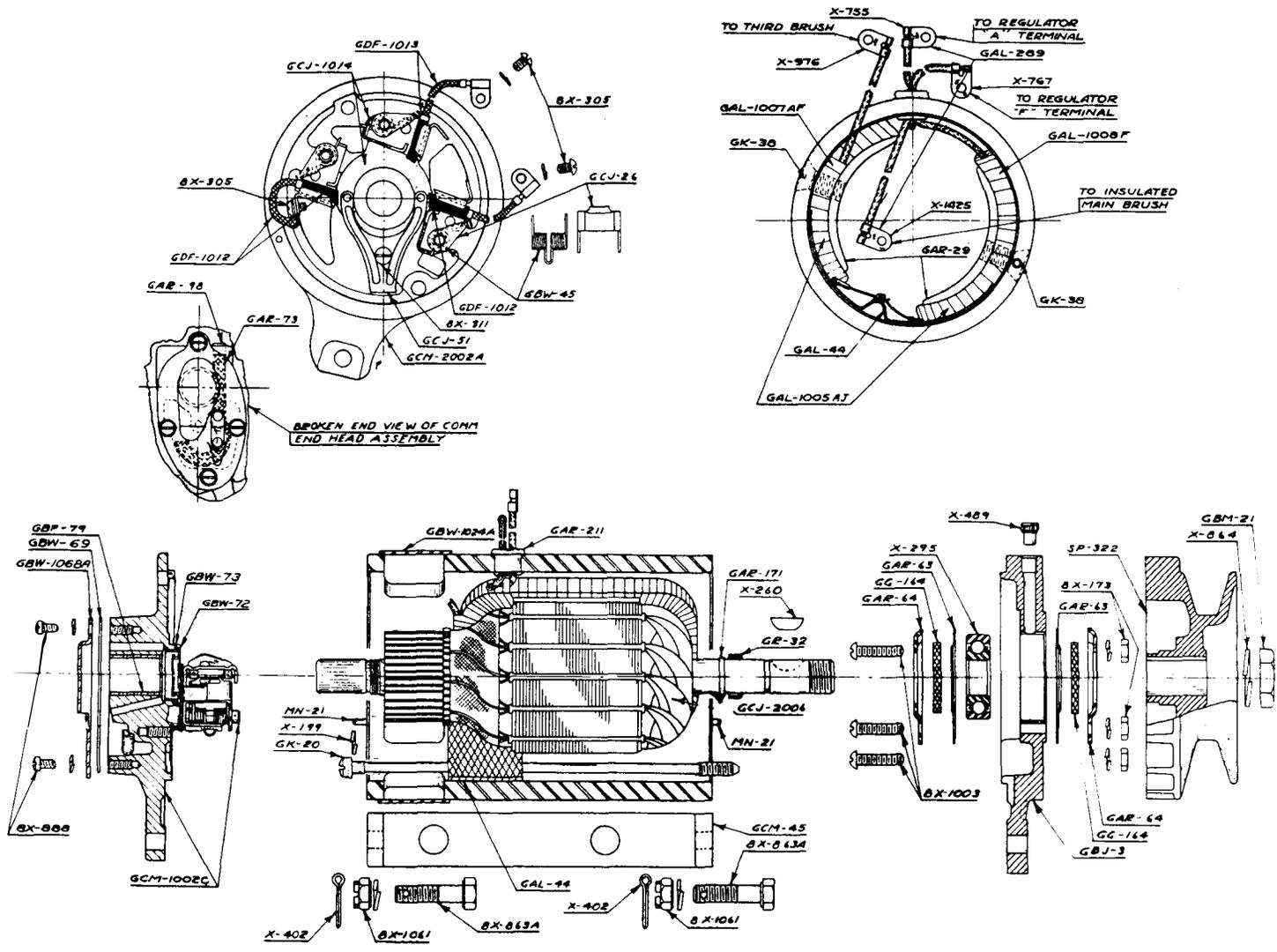
† Service Brush Set GDF-2012S.

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GCM-4816A GENERATOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GCM-4818 GENERATOR PARTS LIST

GCM-4818

PRELIMINARY

Frame & Field Assembly & Parts Used With						Armature Assembly & Parts Used With									
Part No.	No. Used	Name of Part					Part No.	No. Used	Name of Part						
		1	2	3	4	5			1	2	3	4	5		
GAL-225	1														
(GCM-2054)	1						G CJ-2053	1							
GAG-125S	1						GAR-171	2							
GAL-44	1						GJ-104	1							
GAL-1005L	1						GJ-179	1							
GAL-1007L	1						X-160	1							
GAL-289	1						X-205	1							
X-755	1						X-261	1							
X-1425	1						Drive End Head Assembly & Parts Used With								
X-976	1						GAL-1063	1							
GAL-1008D	1						GAL-63	1							
X-976	1						GG-6	2							
GAL-1224	1						GG-164	1							
GAR-29	2						GK-176	1							
GAR-211	1						8X-173	3							
GK-38	2						X-196	3							
MN-21	2						X-295	1							
BX-59	1						8X-316	3							
X-113	2						X-489	1							
X-195	1						Dist. Mounting Housing & Parts Used With								
X-203	2						GAG-58	1							
GK-20	2						GAG-101	1							
X-199	2						GE-19	1							
X-842	1						GG-133	1							
Comm. End Plate Assembly & Parts Used With						Miscellaneous Parts									
DA-39	3						CB-4014	1							
DA-70	1						CB-123	1							
GAB-188	1						CB-160S	1							
(GDB-2044)	1						PX-55	1							
GAR-1014A	1						X-196	2							
GBJ-1013†	1						8X-312	1							
GCJ-51	1						GEW-1024A	1							
GCJ-1012†	2						X-196	2							
GCM-1044	1						8X-321	2							
GBW-45	2						X-715	1							
GCJ-26	2						8X-794	1							
X-195	1														
8X-305	1														
8X-311	1														
GR-32	1														
GR-35	1														
8X-119	3														
X-195	2														
X-295	1														
8X-305	2														
X-489	1														
X-544	3														

(Issued 5-19-41)

† SERVICE BRUSH SET GDF-2012AS.

UNIT	APPLICATION
GCM-4818	Continental

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ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GCM-4819 GENERATOR PARTS LIST

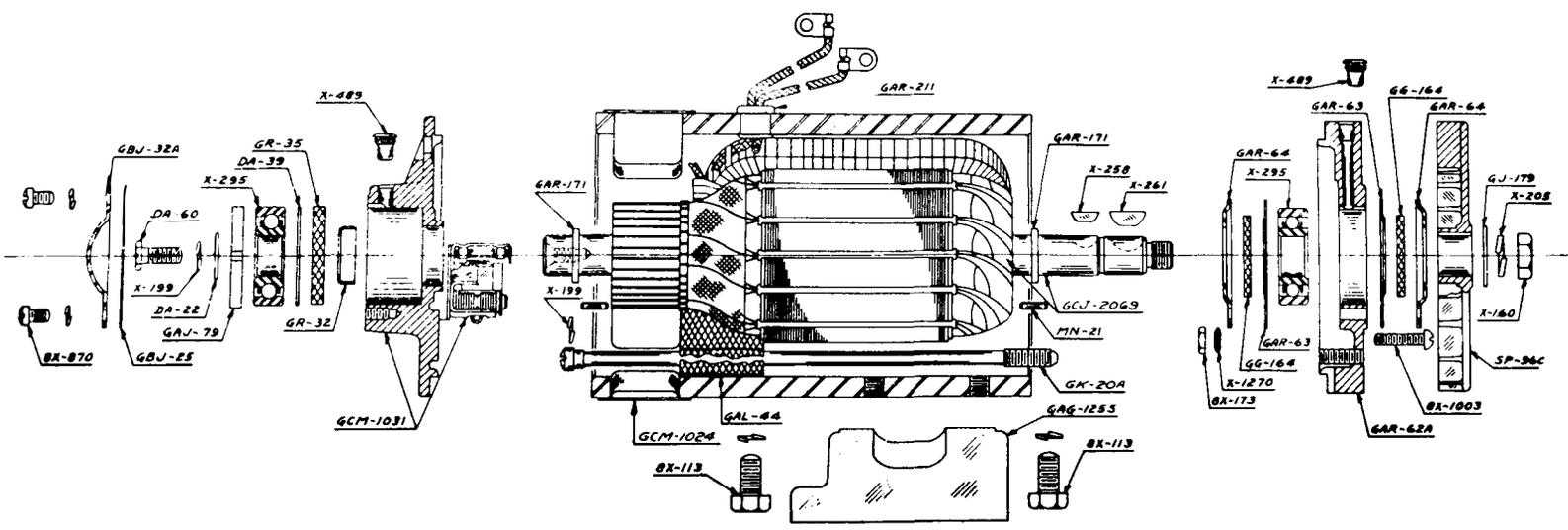
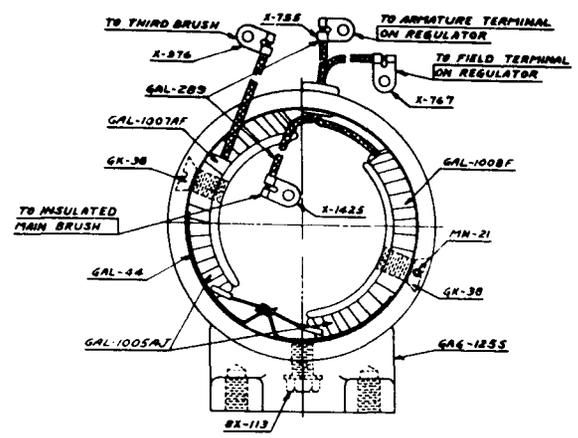
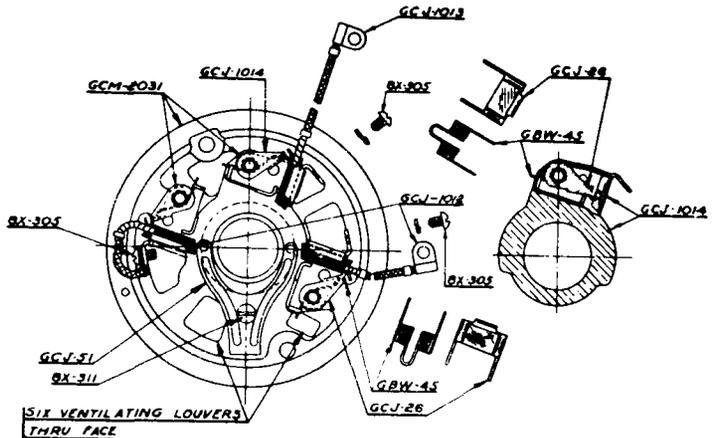
GCM-4819

Frame & Field Assembly & Parts Used With						Armature Assembly & Parts Used With										
Part No.	No. Used	Name of Part						Part No.	No. Used	Name of Part						
			1	2	3	4	5				1	2	3	4	5	
(GCM-2055)	1	Frame & Field Assy.							GCJ-2069	1	Armature Assy.					
GAG-125S	1	Bracket, Mounting, Generator							GAR-171	2	Snap Ring					
GAL-44	1	Insulation, Field Connection							GJ-179	1	Washer, Plain, Arm. Shaft					
GAL-1005AJ	1	Coil Assy., Field, Comp.							SP-96C	1	Fan, Ventilating					
GAL-1007AF	1	Coil Assy., Field, Left							X-160	1	Nut, Armature Shaft, Hex., 7/16-20					
GAL-289	1	Lead Assy.							X-205	1	Washer, Lock, Armature Shaft, 7/16					
X-755	1	Terminal							X-258	1	Key, Woodruff, #3					
X-1425	1	Terminal							X-261	1	Key, Woodruff, #6					
X-976	1	Terminal							<u>Drive End Head Assembly & Parts Used With</u>							
GAL-1008F	1	Coil Assy., Field, Right							GAR-1062B	1	Head Assy., Drive End					
X-767	1	Terminal							GAR-62A	1	Head					
GAR-211	1	Bushing, Insulating							GAR-63	2	Retainer, Felt Washer					
GK-38	2	Screw, Pole Shoe							GAR-64	2	Retainer, Bearing					
MN-21	2	Pin, Dowel							GG-164	2	Washer, Felt					
X-113	2	Screw, Hex. hd., 5/16-24x5/8							8X-173	3	Nut, Hex., #10-32					
X-203	2	Washer, Lock, 5/16							X-295	1	Bearing, Ball, S.A.E. #203					
GK-20A	2	Bolt, Thru							X-489	1	Oiler, Press in Type, 1/4					
X-199	2	Washer, Lock, Thru Bolt, 1/4							8X-1003	3	Screw, Rd. hd., #10-32x7/8					
<u>Comm. End Head Assembly & Parts Used With</u>						<u>Miscellaneous Parts</u>										
DA-22	1	Washer, Plain, Bearing Retaining							GCM-1024	1	Band, Head					
DA-39	1	Washer, Plain							TC-4302A	1	Regulator, Two Charge					
DA-60	1	Screw, Retaining, C.E. Bearing							X-196	4	Washer, Lock, Regulator Mtg., #10					
GAJ-79	1	Spacer, Bearing							8X-321	4	Screw, Mtg., Regulator, Rd. hd., #10-32x5/16					
GBJ-25	1	Gasket, C.E. Cover							X-715	1	Screw, Cover Band, Rd. hd., #10-32x1 1/4					
GBJ-32A	1	Cover, C.E.							8X-794	1	Nut, Cover Band, Square, #10-32					
(GCM-2031)	1	Head Assy., Comm. End										1	2	3	4	5
GCJ-51	1	Spring, Retaining							(Issued 1-9-45)							
GCJ-1012†	2	Brush, Main							† Brush Set, Service, GCJ-2012S.							
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									

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ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GCM-4820 GENERATOR PARTS LIST

GCM-4820

Frame & Field Assembly & Parts Used With						Armature Assembly & Parts Used With							
Part No.	No. Used	Name of Part					Part No.	No. Used	Name of Part				
		1	2	3	4	5			1	2	3	4	5
(GCM-3059)	1	Frame & Field Assy.					GCJ-2090	1	Armature Assembly				
GAL-44	1	Field Connection Ins.					GAR-171	2	Snap Ring				
GAL-2005N	1	Field Coil Assy. - Comp.					GJ-104	1	Armature Shaft Spacer				
GAL-1007AM	1	Field Coil Assy.-Left					GJ-179	1	7/16 Plain Washer				
GAL-171	1	C.B. Lead Assy.					X-160	1	7/16-20 Hex. Nut				
X-755	1	Terminal					X-205	1	7/16 Lock Washer				
X-1425	1	Terminal					X-261	2	#6 Woodruff Key				
X-976	1	Terminal					<u>Drive End Head Assembly & Parts Used With</u>						
GAL-1008W	1	Field Coil Assy.-Right					GCZ-1003A	1	Drive End Head Assy.				
X-959	1	Terminal					GCZ-3A	1	Drive End Head				
GAR-29	2	Pole Piece					GG-6	2	Bearing Retainer				
GAR-211	1	Insulating Bushing					GG-164	1	Felt Washer				
GK-38	2	Pole Piece Screw					GK-176	1	Felt Washer Retainer				
LN-21	2	Dowel Pin					8X-173	3	#10-32 Hex. Nut				
8X-140	1	#6-32 Hex. Nut					X-196	3	#10 Lock Washer				
X-194	1	#6 Lock Washer					X-295	1	Ball Brg. - S.A.E. #203				
8X-1008	1	#6-32x9/16 Rd. Hd. Sc.					8X-316	3	#10-32x3/4 Rd. Hd. Screw				
GK-20	2	Frame Screw					X-489	1	1/4 Oiler - Press in Type				
X-199	2	1/4 Lock Washer					<u>Miscellaneous Parts</u>						
<u>Comm. End Plate Assembly & Parts Used With</u>						CB-4014	1	Circuit Breaker Assy.					
DA-39	2	Flat Oil Guard					CB-123	1	Armature Spring				
DA-70	1	Armature Shaft Nut					CB-160	1	C.B. Cover				
DJ-10	1	End Cap Cover, Gasket					PX-55	1	#10-32x3/16 Bdg. Hd. Sc.				
GAG-53	1	Comm. End Cap Cover					X-196	2	#10 Lock Washer				
(GDB-3048)	1	Comm. End Plate Assy.					8X-312	1	#10-32x1/4 Rd. Hd. Sc.				
GEM-1013A†	1	Brush - Third					GBW-1024A	1	Head Band Assembly				
GCJ-51	1	3rd Brush Plate Retain'g Spring					X-196	2	#10 Lock Washer				
GCM-1048	1	Comm. End Plate Part Assembly					8X-321	2	#10-32x5/16 Rd. Hd. Screw				
GBW-45	2	Brush Spring					8X-715	1	#10-32x1 1/4 Rd. Hd. Screw				
GCJ-26	2	Brush Arm					8X-794	1	#10-32 Square Nut				
GDB-1014L	1	3rd Brush Plate Assy.					1 2 3 4 5						
GDF-1012†	2	Brush - Main					(Issued 8/12/38)						
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							

† Service Brush Set GDF-2012AS.

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ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GCM-4821 GENERATOR PARTS LIST

GCM-4821

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.

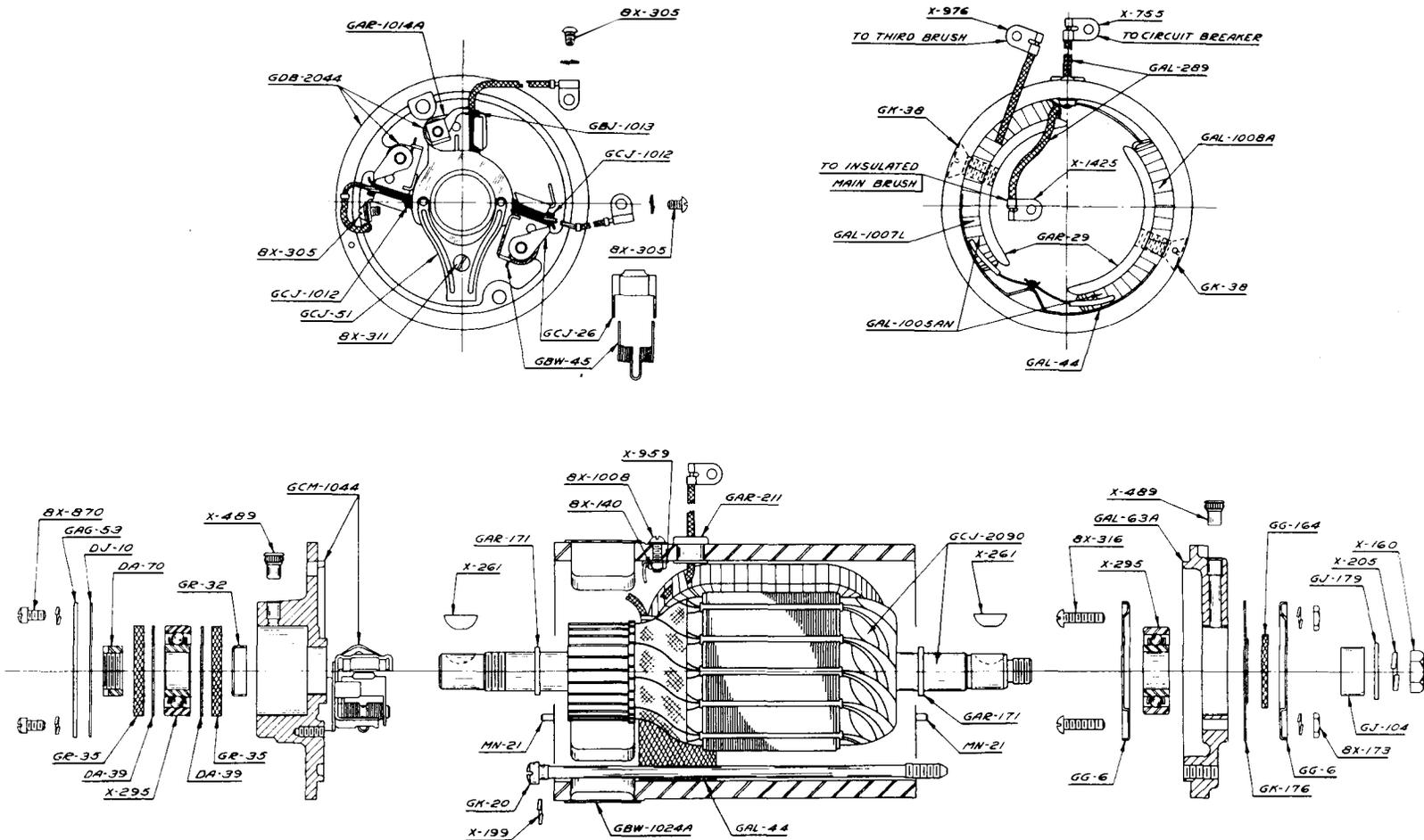
UNIT	APPLICATION
GCM-4821	Gray Marine

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-4821 GENERATOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GCM-4822 GENERATOR PARTS LIST

GCM-4822

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					
GEM-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.

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

GCM-4823 GENERATOR PARTS LIST

GCM-4823

PRELIMINARY

Frame & Field Assembly & Parts Used With						Armature Assembly & Parts Used With									
Part No.	No. Used	Name of Part						Part No.	No. Used	Name of Part					
			1	2	3	4	5				1	2	3	4	5
(GCM-2036)	1	Frame & Field Assembly						DG-1144	1	Oil Thrower					
GAL-44	1	Field Connection Ins.						GEM-21	1	Armature Shaft Nut					
GAL-1005AJ	1	FIELD COIL ASSY.- Comp.						GCJ-2044	1	ARMATURE ASSEMBLY					
GAL-1007AF	1	Field Coil Assy.-Left						GAR-171	1	Snap Ring					
GAL-289	1	C. B. Lead Assy.						SP-96C	1	Ventilating Fan					
X-755	1	Terminal						X-258	2	#3 Woodruff Key					
X-1425	1	Terminal						X-358	1	1/2 Plain Steel Washer					
X-976	1	Terminal						X-404	1	3/32x1 Cotter Pin					
GAL-1008F	1	Field Coil Assy.-Right						X-835	1	1/2-20 Slotted Nut					
X-767	1	Terminal						X-864	1	.669 Lock Washer					
GAR-29	2	Pole Piece						Drive End Head Assembly & Parts Used With							
GAR-211	1	Insulating Bushing						GAR-1192	1	Drive End Head Assembly					
GK-38	2	Pole Piece Screw						GAE-47	1	Bearing Retainer					
MN-21	2	Dowel Pin						GAR-192	1	Drive End Head					
GT-20	2	Frame Screw						8X-66	3	#10-32x1/2 Flat Hd. Sc.					
X-199	2	1/4 Lock Washer						X-378	1	BALL BRG.- Oil Seal					
Comm. End Plate Assembly & Parts Used With						Miscellaneous Parts									
DA-39	2	Flat Oil Guard						GEW-1024A	1	Head Band Assembly					
DA-132	1	Felt Washer						TC-4302A	1	TWO CHARGE REGULATOR					
GAB-188	1	Felt Washer						X-196	4	#10 Lock Washer					
GAR-82	1	Air Deflector						8X-321	4	#10-32x5/16 Rd. Hd. Screw					
GAR-83	1	Comm. End Cap Cover						X-715	1	#10-32x1 1/4 Rd. Hd. Screw					
GBJ-25	1	End Cap Cover Gasket						8X-794	1	#10-32 Square Nut					
(GCM-2035)	1	Comm. End Plate Assembly													
GCJ-51	1	3rd Brush Plate Retaining Spring													
GCJ-10121	2	Brush - Main													
GCJ-10131	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								

(Issued 9-30-41)

† SERVICE BRUSH SET GDF-2012S.

UNIT	APPLICATION
GCM-4823	Hercules, U. S. 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."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GCM-4824-4 GENERATOR PARTS LIST

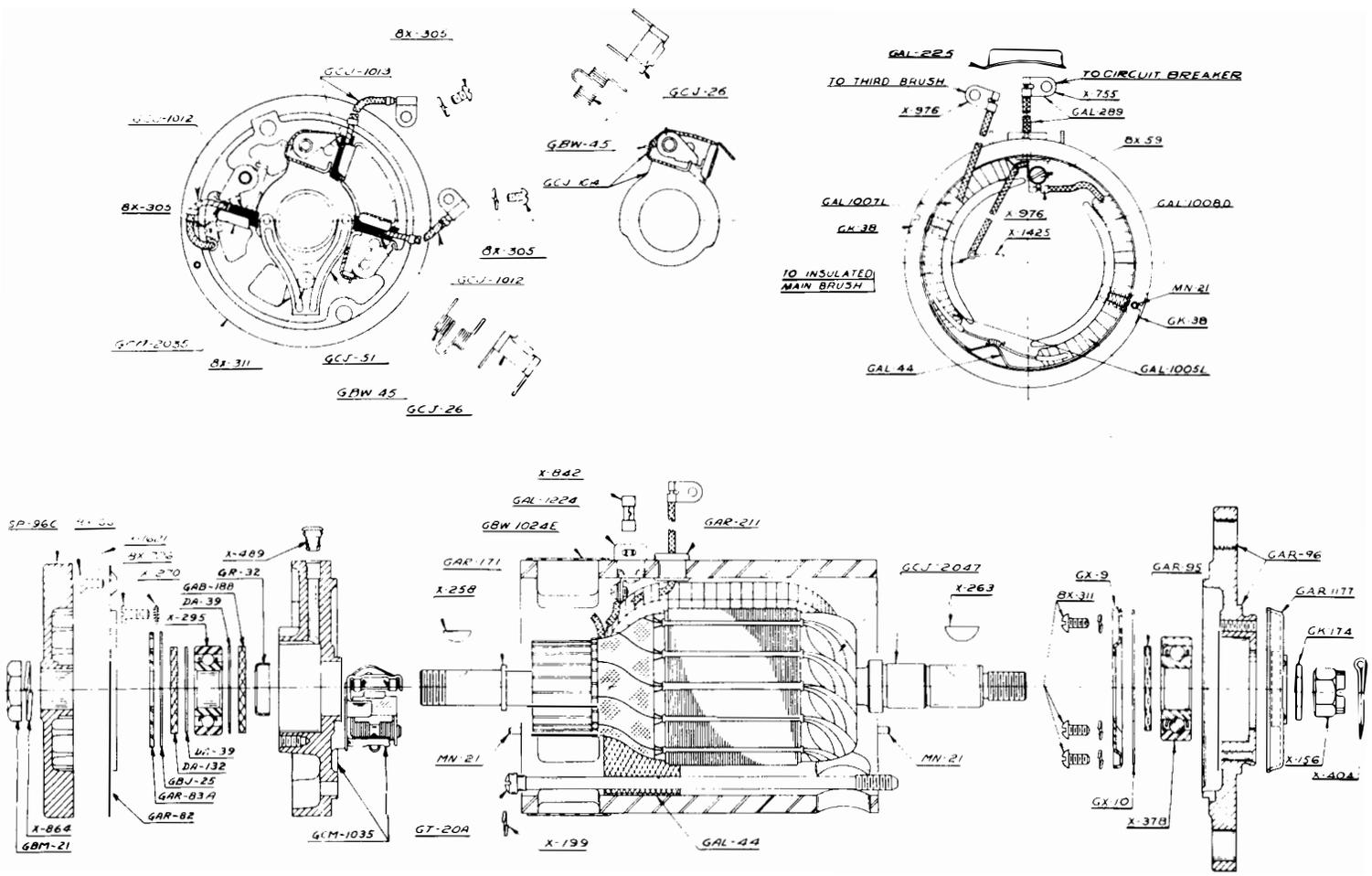
GCM-4824-4

Frame & Field Assembly & Parts Used With					Armature Assembly & Parts Used With									
Part No.	No. Used	Name of Part					Part No.	No. Used	Name of Part					
		1	2	3	4	5			1	2	3	4	5	
GAL-225	1	Cover, Fuse					GAR-1177	1	Oil Thrower					
(GCM-2039)	1	Frame & Field Assy.					GBM-21	1	Nut, Armature Shaft					
GAL-44	1	Insulation, Field Connection					GCJ-2047	1	Armature Assembly					
GAL-1005L	1	Coil Assy., Field, Comp.					GAR-171	1	Snap Ring					
GAL-1007L	1	Coil Assy., Field, Left					GK-174	1	Washer, Armature Shaft, Plain, 1/2					
GAL-289	1	Lead Assy., C.B.					GR-32	1	Retainer, Felt Washer					
X-755	1	Terminal					SP-96C	1	Fan, Ventilating					
X-1425	1	Terminal					X-156	1	Nut, Armature Shaft, Hex., Castellated, 1/2-20					
X-976	1	Terminal					X-258	1	Key, Woodruff, #3					
GAL-1008D	1	Coil Assy., Field, Right					X-263	1	Key, Woodruff, #8					
X-976	1	Terminal					X-404	1	Pin, Cotter					
GAL-1224	1	Holder, Fuse					X-864	1	Lockwasher, Arm. Shaft					
GAR-211	1	Bushing, Insulating					<u>Drive End Head Assembly & Parts Used With</u>							
GK-38	2	Screw, Pole Shoe					GAR-1096	1	Head Assy., Drive End					
MN-21	2	Pin, Dowel					GAR-95	1	Washer, Felt					
8X-59	1	Screw, Fuse Lead, Rd. Hd. #8-32x3/16					GAR-96	1	Head					
X-195	1	Lock Washer, Fuse Lead Screw, #8					GX-9	1	Retainer, Bearing					
GT-20A	2	Screw, Frame					GX-10	1	Gasket					
X-199	2	Washer, Lock, Thru Bolt, 1/4					X-196	3	Lock Washer, Retainer Screw, #10					
X-842	1	Fuse, 5 Amperes					8X-311	3	Screw, Bearing Retainer, Rd. Hd., #10-32x3/8					
<u>Comm. End Head Assembly & Parts Used With</u>						X-378	1	Bearing, Ball, Shielded, SAE #204						
DA-39	2	Washer, Plain, Felt Retaining					<u>Miscellaneous Parts</u>							
DA-132	1	Washer, Felt, C.E. Outer					CB-4014	1	Relay Assy., Cutout					
GAB-188	1	Washer, Felt, C.E. Inner					CB-123	1	Spring, Armature					
GAR-82	1	Deflector, Air					CB-160S	1	Cover					
GAR-83A	1	Cover, Comm. End					PX-55	1	Screw, Arm. Term., Bdg. Hd., #10-32x3/16					
GBJ-25	1	Gasket, C.E. Cover					X-196	2	Washer, Lock, Term. Sc., #10					
(GCM-2035)	1	Head Assy., Comm. End					8X-312	1	Screw, Bat. Term., Rd. Hd., #10-32x1/4					
GCJ-51	1	Spring, Retaining, 3rd Brush Plate					GBW-1024E	1	Band, Cover					
GCJ-1012†	2	Brush, Main					X-196	2	Washer, Lock, Cutout Relay Mtg., #10					
GCJ-1013†	1	Brush, Third					8X-321	2	Screw, Mtg., Cutout Relay, Rd. Hd. #10-32x5/16					
GCJ-1014	1	Plate Assy., 3rd Brush					X-715	1	Screw, Cover Band, Rd. Hd., #10-32x1 1/4					
GBW-45	1	Spring, Brush					8X-794	1	Nut, Cover Band, Square, #10-32 1 2 3 4 5					
GCJ-26	1	Arm, Brush					(Issued 5-10-45)							
GCM-1035	1	Head Assy., Partial, C.E.					† Brush Set, Service GCJ-2012S.							
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								

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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

GCM-4825A GENERATOR PARTS LIST

GCM-4825A

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
EX-305	1					#8-32x1/4 Rd. Hd. Screw
EX-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
EX-305	2					#8-32x1/4 Rd. Hd. Screw
X-489	1					1/4 Oiler - Press in Type
X-544	3					#10 Lock Washer
EX-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

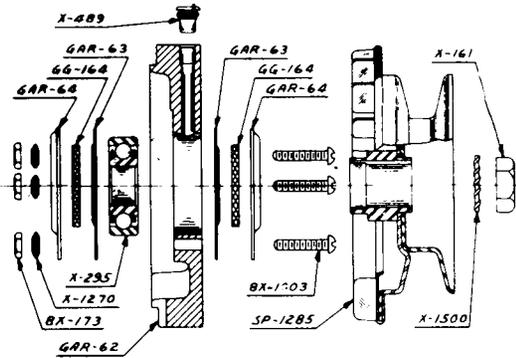
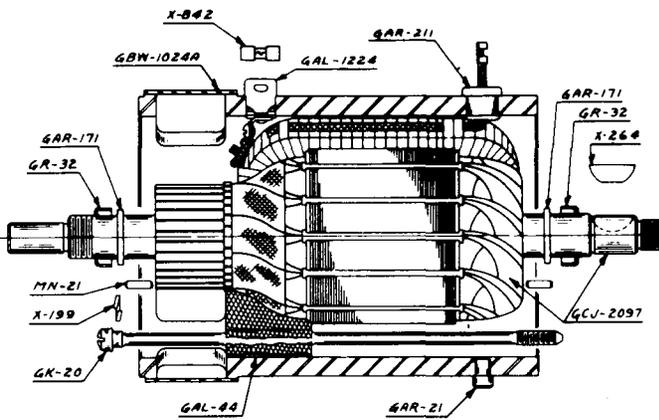
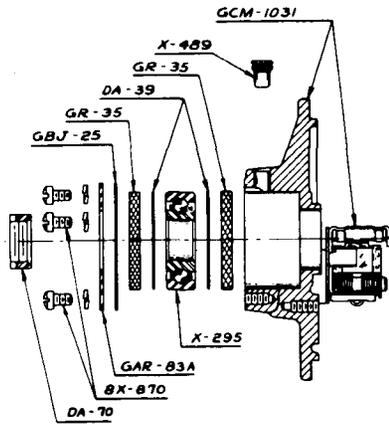
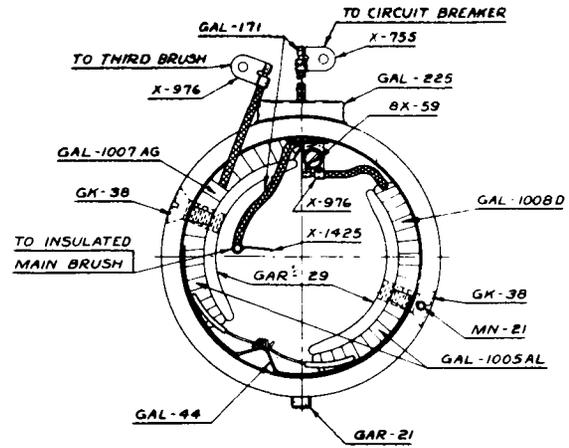
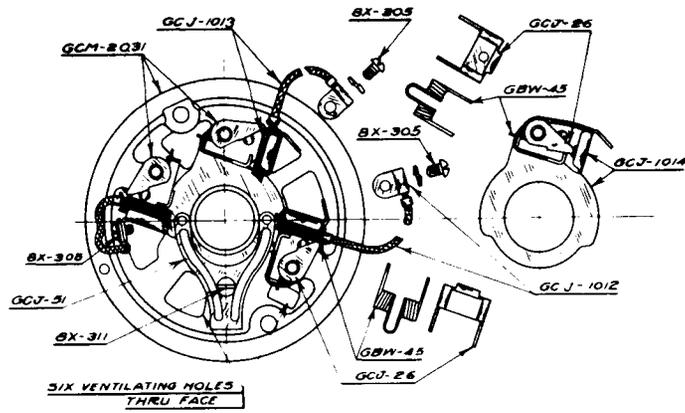
Miscellaneous Parts

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
EX-312	1					#10-32x1/4 Rd. Hd. Screw
GBW-1024A	1					Head Band Assy.
X-196	2					#10 Lock Washer
EX-321	2					#10-32x5/16 Rd. Hd. Screw
X-715	1					#10-32x1 1/4 Rd. Hd. Screw
EX-794	1					#10-32 Square Nut
		1	2	3	4	5

(Issued 10-18-38)

† Service Brush Set GDF-2012S.

GCM-4825A GENERATOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GCM-4827 GENERATOR PARTS LIST

GCM-4827

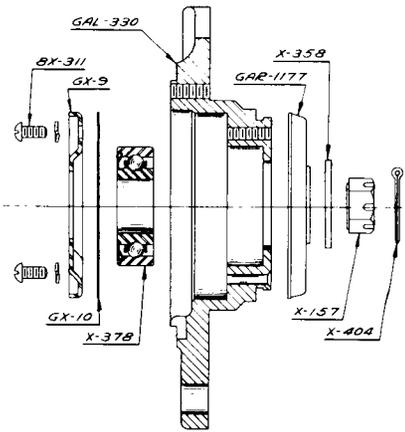
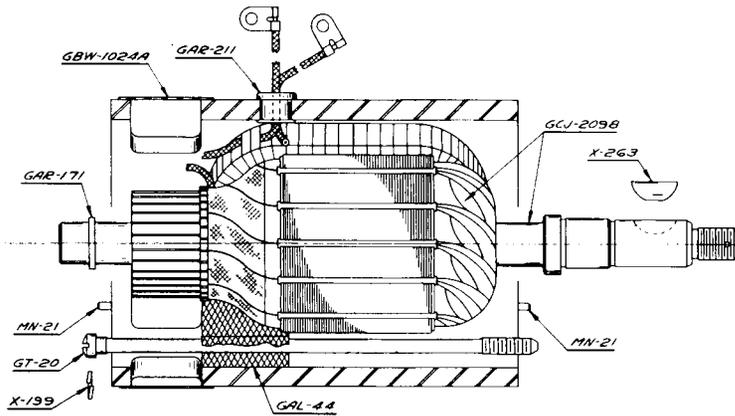
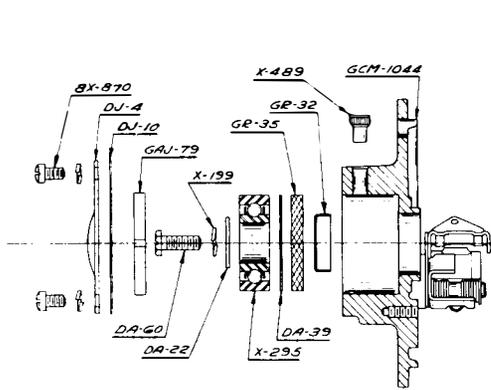
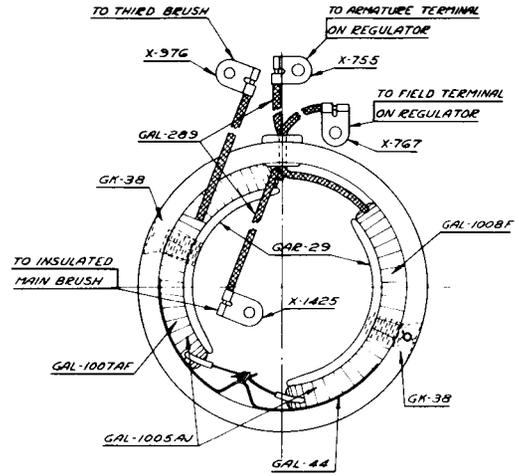
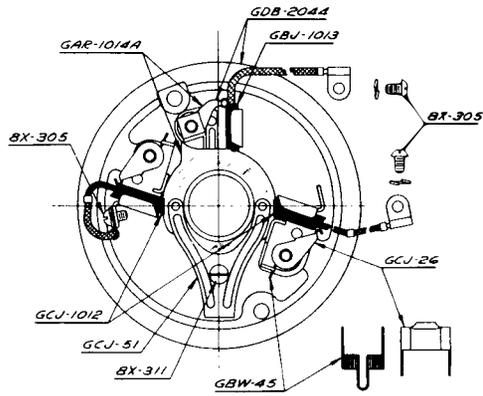
<u>Frame & Field Assy. & Parts Used With</u>					<u>Armature Assembly & Parts Used With</u>								
Part No.	No. Used	Name of Part					Part No.	No. Used	Name of Part				
		1	2	3	4	5			1	2	3	4	5
(GCM-2076)	1	Frame & Field Assembly					GAR-1177	1	Oil Thrower Assembly				
GAL-44	1	Field Connection Ins.					GCJ-2098	1	ARMATURE ASSEMBLY				
GAL-1005AJ	1	FIELD COIL ASSY.- Comp.					GAR-171	1	Snap Ring				
GAL-1007AF	1	Field Coil Assy.- Left					X-157	1	1/2-20 Slotted Nut				
GAL-289	1	C. B. Lead Assembly					X-263	1	#8 Woodruff Key				
X-755	1	Terminal					X-358	1	1/2 Plain Steel Washer				
X-1425	1	Terminal					X-404	1	3/32x1 Cotter Pin				
X-976	1	Terminal					<u>Drive End Head Assy. & Parts Used With</u>						
GAL-1008F	1	Field Coil Assy.-Right					GAL-1330	1	Drive End Head Assembly				
X-767	1	Terminal					GAL-330	1	Drive End Head				
GAR-29	2	Pole Piece					GX-9	1	Bearing Retainer				
GAR-211	1	Insulating Bushing					GX-10	1	Gasket				
GK-38	2	Pole Piece Screw					X-196	3	#10 Lock Washer				
MN-21	2	Dowel Pin					EX-311	3	#10-32x3/8 Rd. Hd. Sc.				
GT-20	2	Frame Screw					X-378	1	BALL BRG.- Oil Seal				
X-199	2	1/4 Lock Washer					<u>Miscellaneous Parts</u>						
<u>Comm. End Plate Assy. & Parts Used With</u>						GBW-1024A	1	Head Band Assembly					
DA-22	1	Bearing Retaining Washer					TC-4302A	1	TWO CHARGE REGULATOR				
DA-39	1	Flat Oil Guard					X-196	4	#10 Lock Washer				
DA-60	1	Bearing Retaining Screw					EX-321	4	#10-32x5/16 Rd. Hd. Screw				
DJ-4	1	Comm. End Cap Cover					X-715	1	#10-32x1 1/4 Rd. Hd. Screw				
DJ-10	1	End Cap Cover Gasket					EX-794	1	#10-32 Square Nut				
GAJ-79	1	Bearing Spacer							1	2	3	4	5
(GDB-2044)	1	Comm. End Plate Assembly					(Issued 9-13-40)						
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											
EX-305	1	#8-32x1/4 Rd. Hd. Screw											
EX-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											
EX-305	2	#8-32x1/4 Rd. Hd. Screw											
X-489	1	1/4 Oiler - Press in Type											
X-544	3	#10 Lock Washer											
EX-870	3	#10-32x5/16 Fill. Hd. Sc.											
		1	2	3	4	5							

† 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



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GCO-4801, GENERATOR PARTS LIST
C,D

GCO-4801,
C,D

<u>Frame & Field Assembly & Parts Used With</u>					<u>Armature Assembly & Parts Used With</u>									
Part No.	No. Used	Name of Part					Part No.	No. Used	Name of Part					
		1	2	3	4	5			1	2	3	4	5	
GCO-20	2	Frame Screw					GBM-21	1	Armature Shaft Nut					
(GCO-2001)	1	Frame & Field Assy.					GCO-2006F	1	Armature Assembly					
GAA-32	1	Term. Post Top Ins.					GAR-171	1	Snap Ring					
GAL-44	1	Field Connection Ins.					GR-32	1	Felt Washer Retainer					
GBW-34	1	Insulating Washer					*	1	Drive Pulley					
GBW-40	1	Lead Assembly					X-260	1	#5 Woodruff Key					
GAA-27	1	Terminal Post					X-864	1	.669 Lock Washer					
X-847	1	Terminal					<u>Drive End Head Assembly & Parts Used With</u>							
GBW-58	1	Terminal Post					GBJ-1003C	1	Drive End Head Assy.					
GBW-66	1	Terminal Post Bottom Ins.					GAR-63	2	Felt Guard					
GBW-67	1	Terminal Post Ins.					GAR-64	2	Brg. Retainer					
GCO-29A	2	Pole Piece					GBJ-3C	1	D.E. Head					
GCO-1005	1	Field Coil Assy. - Comp.					GG-164	2	Felt Washer					
GCO-1007	1	Field Coil Assy. - Left					8X-173	3	#10-32 Hex. Nut					
IG-821	1	Terminal					X-196	3	#10 Lock Washer					
GCO-1008	1	Field Coil - Right					X-295	1	Ball Brg. - S.A.E. #203					
GCT-25	1	Insulating Bushing					X-489	1	1/4 Oiler - Press in Type					
GCT-25	1	Insulating Bushing					8X-1003	3	#10-32x7/8 Rd. Hd. Screw					
GK-38B	2	Pole Piece Screw					<u>Miscellaneous Parts</u>							
MN-21	2	Dowel Pin					GBW-24B	1	Head Band					
8X-177	1	#14-24 Hex. Nut					8X-715	1	#10-32x1 1/4 Rd. Hd. Screw					
12X-193	1	#14 Lock Washer					8X-794	1	#10-32 Square Nut					
12X-196	1	#10 Lock Washer							1	2	3	4	5	
8X-349	1	#10 Plain Washer							(Issued 10-7-37)					
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												
<u>Comm. End Plate Assembly & Parts Used With</u>														
(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								

NOTE:- VRB-4004B Current-Voltage Regulator is used with but is not a part of this generator.

† Service Brush Set GBW-2012AS.

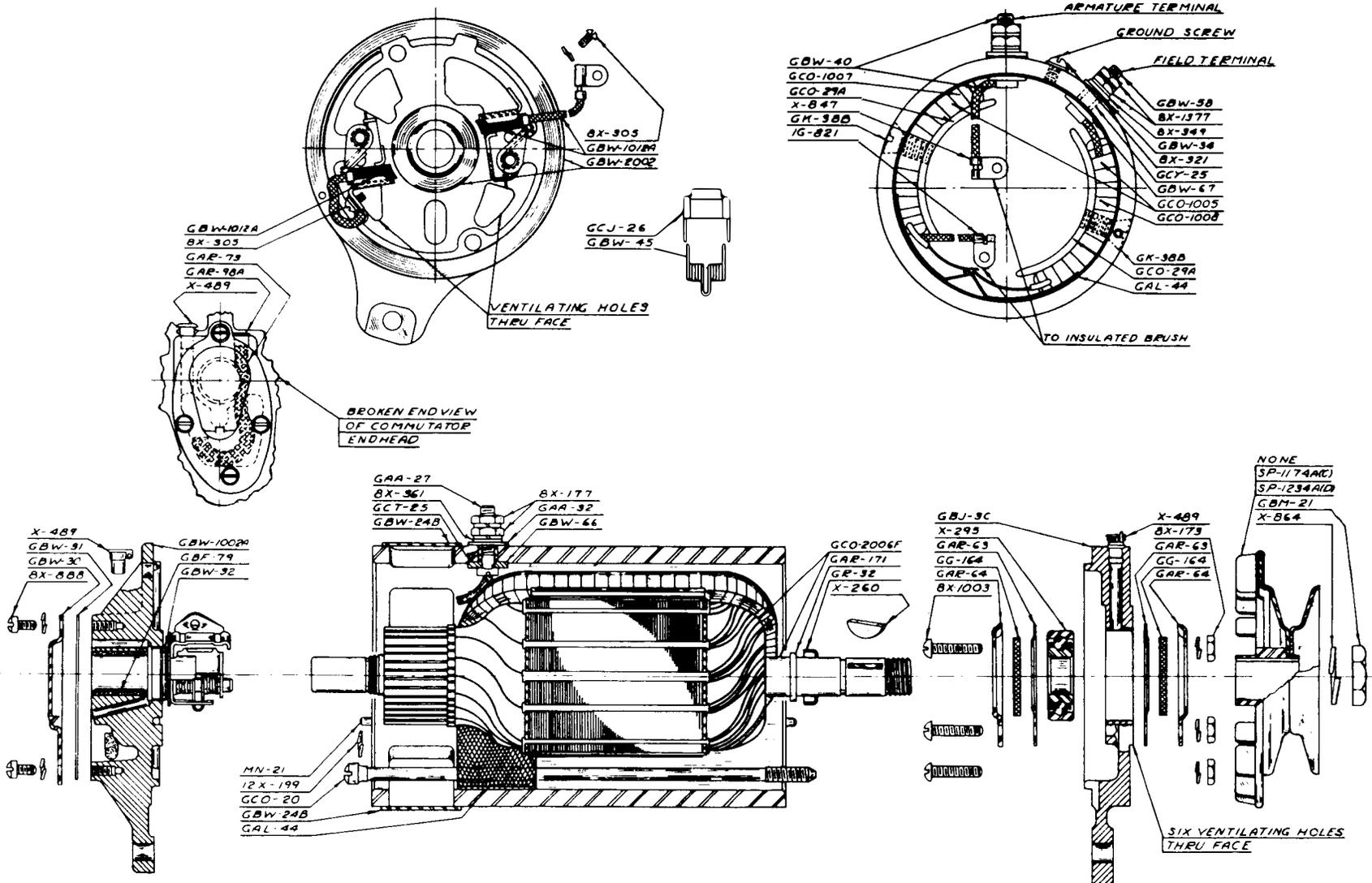
* See table following parts list for part number applying to assembly wanted.

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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."

GCO-4801,C,D GENERATOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GCO-4802, GENERATOR PARTS LIST
A,B,C

GCO-4802,
A,B,C

Frame & Field Assembly & Parts Used With					Armature Assembly & Parts Used With										
Part No.	No. Used	Name of Part						Part No.	No. Used	Name of Part					
			1	2	3	4	5				1	2	3	4	5
GCO-20A	2	Frame Screw						*	1	Armature Shaft Spacer					
(GCO-2030)	1	Frame & Field Assy.						GCO-2031F	1	Armature Assy.					
GAA-32	1	Terminal Post Top Ins.						GAR-171	2	Snap Ring					
GAL-44	1	Field Connection Ins.						GJ-320	1	Armature Shaft Nut					
GAR-21	1	Aligning Dowel						GR-32	1	Felt Washer Retainer					
GBW-34	1	Insulating Washer						*	1	Drive Pulley					
GBW-40	1	Lead Assy.						*	1	#9 Woodruff Key - Hardened					
GAA-27	1	Terminal Post						*	1	1/2-20 Hex. Nut					
X-847	1	Terminal						*	1	1/2 Skpf. Washer					
GBW-58	1	Terminal Post						Drive End Head Assembly & Parts Used With							
GBW-66	1	Term. Post Bottom Ins.						GAR-1062	1	Drive End Head Assy.					
GBW-67	1	Term. Post Insulation						GAR-62	1	Drive End Head					
GCO-29	2	Pole Piece						GAR-63	2	Felt Guard					
GCO-1005	1	Field Coil Assy.-Comp.						GAR-64	2	Bearing Retainer					
GCO-1007	1	Field Coil Assy.-Left						GG-164	2	Felt Washer					
IG-821	1	Terminal						8X-173	3	#10-32 Hex. Nut					
GCO-1008	1	Field Coil - Right						X-295	1	Ball Bearing - S.A.E. #203					
GCT-25	1	Insulating Bushing						X-489	1	1/4 Oiler - Press in Type					
CCY-25	1	Insulating Bushing						8X-1003	3	#10-32x7/8 Rd. Hd. Screw					
GK-38	2	Pole Piece Screw						X-1270	3	#10 Skpf. Washer					
MN-21	2	Dowel Pin						Miscellaneous Parts							
8X-177	1	#14-24 Hex. Nut						GBW-24	1	Head Band					
X-193	1	#14 Lock Washer						X-715	1	#10-32x1 1/4 Rd. Hd. Screw					
X-196	1	#10 Lock Washer						8X-794	1	#10-32 Square Nut					
8X-349	1	#10 Plain Washer									1	2	3	4	5
8X-361	1	1/4 Plain Washer						(Issued 10-21-37)							
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								

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.

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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

GCO-4803A GENERATOR PARTS LIST

GCO-4803A

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
GCT-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.

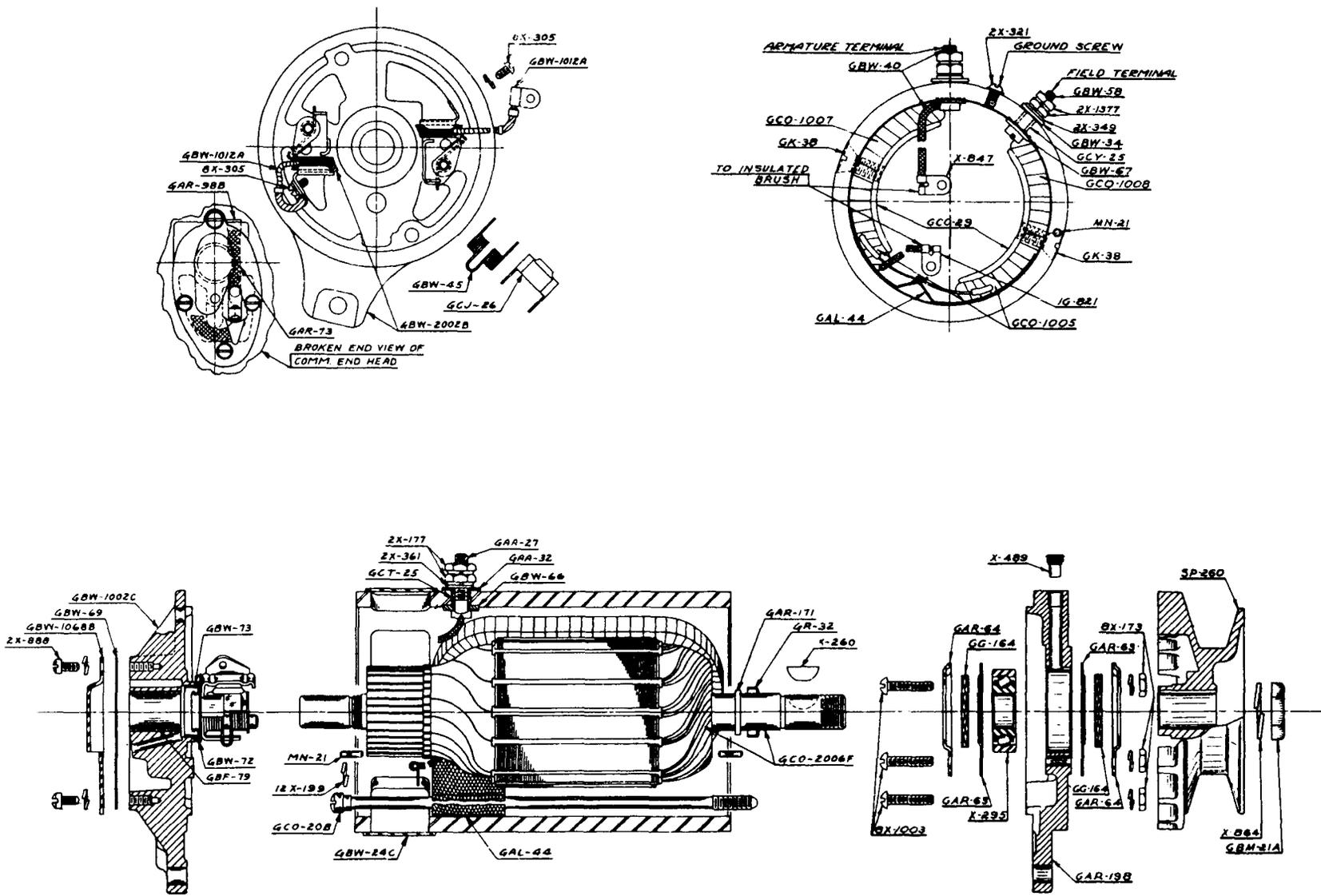
† Service Brush Set GBW-2012AS.

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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."

GCO-4803A GENERATOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GCO-4804A GENERATOR PARTS LIST

GCO-4804A

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
GCT-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.

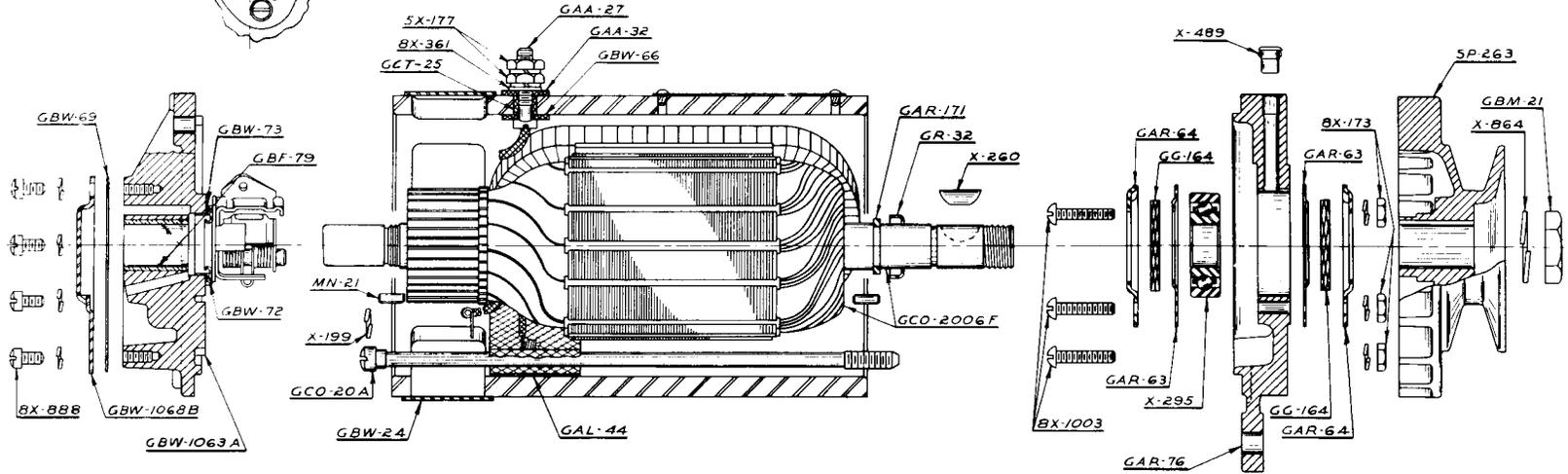
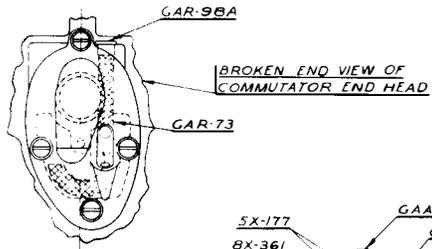
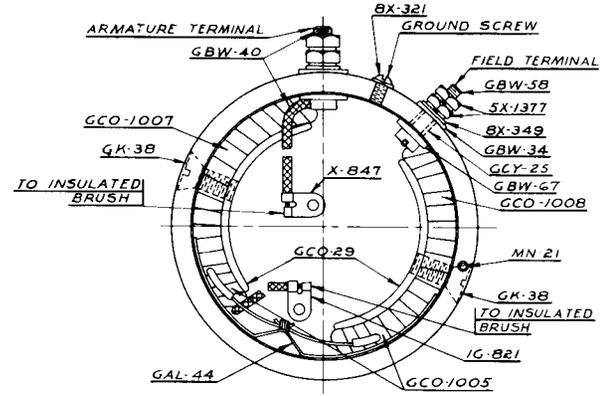
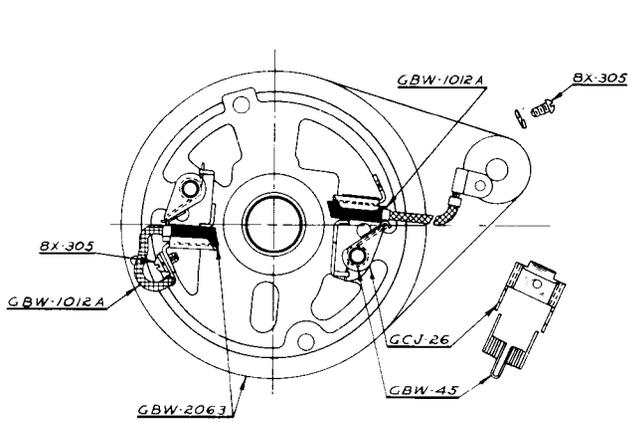
UNIT	APPLICATION
GCO-4804A	Auburn

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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."

GCO-4804A GENERATOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GCO-4806A GENERATOR PARTS LIST

GCO-4806A

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				
GCT-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				
GBW-1002G	1	Comm. End Plate Part Assy.				
GBF-79	1	Absorbent Bronze Brg.				
GBW-45	2	Brush Spring				
GCO-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				
GCO-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

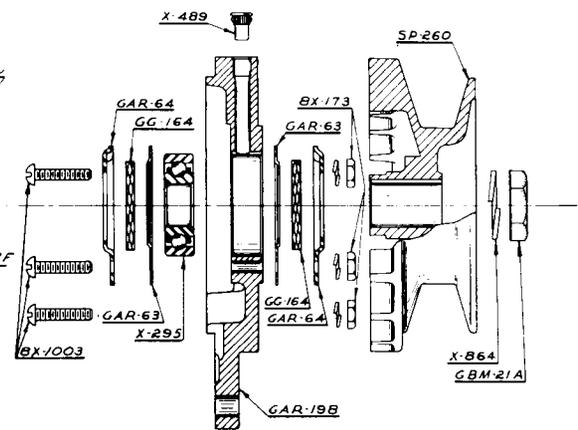
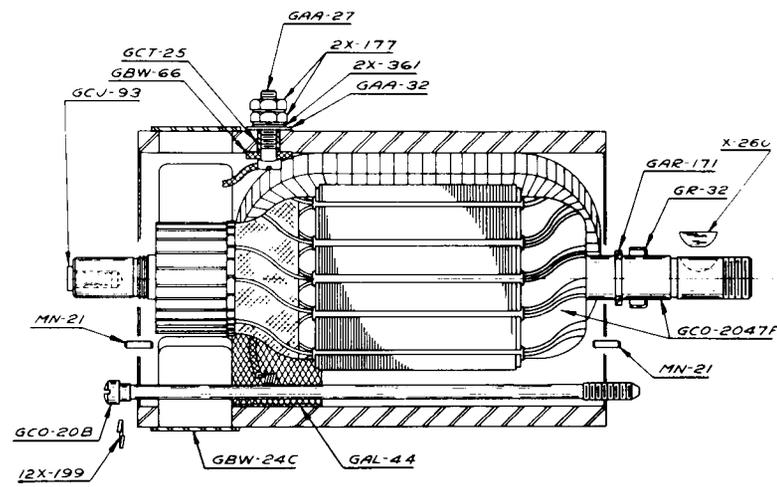
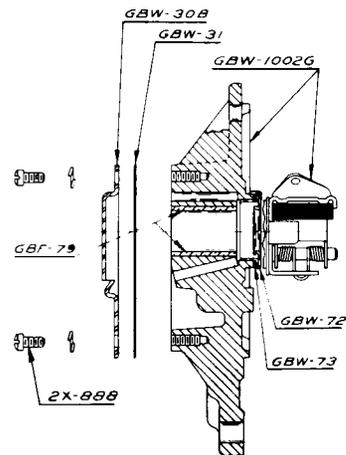
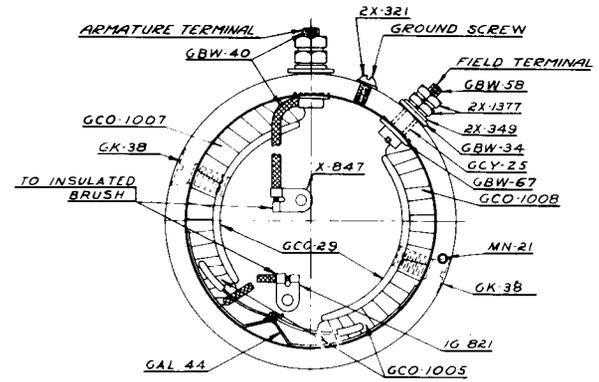
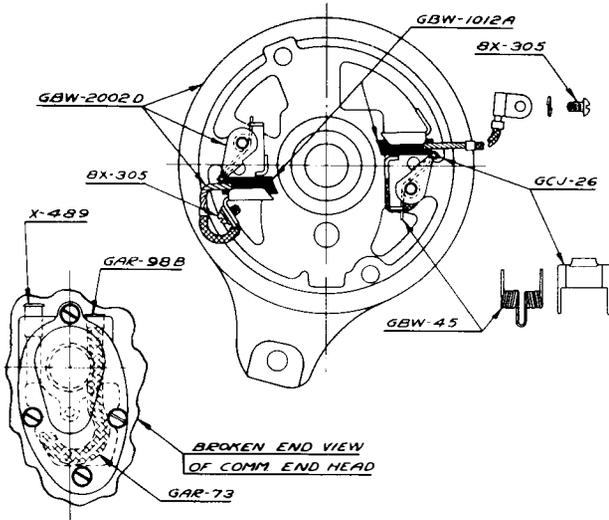
GBW-24C	1	Head Band Assy.				
2X-715	1	#10-32x1 1/4 Rd. Hd. Screw				
2X-794	1	#10-32 Square Nut				
		1	2	3	4	5

(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.

GCO-4806A GENERATOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GCO-4807A GENERATOR PARTS LIST

GCO-4807A

Frame & Field Assembly & Parts Used With						Armature Assembly & Parts Used With							
Part No.	No. Used	Name of Part					Part No.	No. Used	Name of Part				
		1	2	3	4	5			1	2	3	4	5
GCO-20B	2						GEM-21A	1					
(GCO-2040)	1						GCO-2006F	1					
GAA-32	1						GAR-171	1					
GAL-44	1						GR-32	1					
GBW-34	1						SP-260	1					
GBW-40	1						X-260	1					
GAA-27	1						X-864	1					
X-847	1						Drive End Head Assembly & Parts Used With						
GBW-58	1						GAR-1198	1					
GBW-66	1						GAR-63	2					
GBW-67	1						GAR-64	2					
GCO-29	2						GAR-198	1					
GCO-1005A	1						GG-164	2					
GCO-1007	1						8X-173	3					
IG-821	1						X-196	3					
GCO-1008A	1						X-295	1					
GCT-25	1						X-489	1					
GCY-25	1						8X-1003	3					
GK-38A	2						Miscellaneous Parts						
MN-21	2						GBW-24C	1					
2X-177	1						2X-715	1					
12X-193	1						2X-794	1					
12X-196	1												
2X-349	1												
2X-361	1												
2X-1377	1												
2X-177	1												
12X-193	1												
12X-196	2												
12X-199	2												
2X-321	1												
2X-1377	1												
Comm. End Plate Assembly & Parts Used With													
(GBW-2002B)	1												
GAR-73	1												
GAR-98B	1												
GBW-69	1												
GBW-72	1												
GBW-73	1												
GBW-1002C	1												
GBF-79	1												
GBW-45	2												
GCJ-26	2												
GBW-1012A†	2												
GBW-1068B	1												
12X-195	5												
8X-305	1												
2X-888	4												
X-195	1												
8X-305	1												
		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.

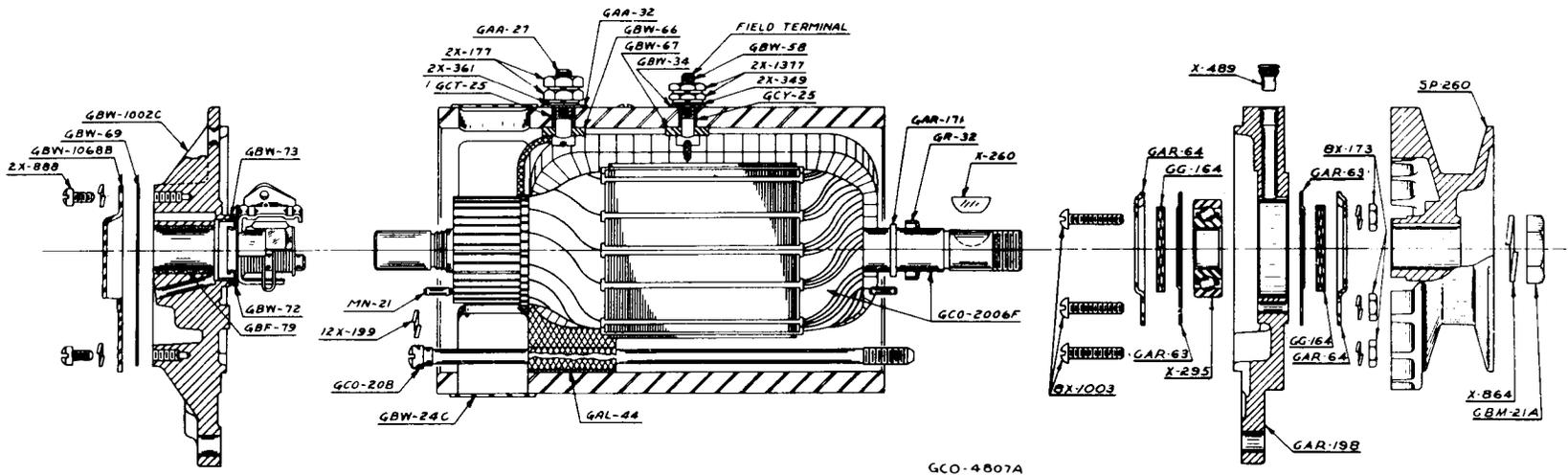
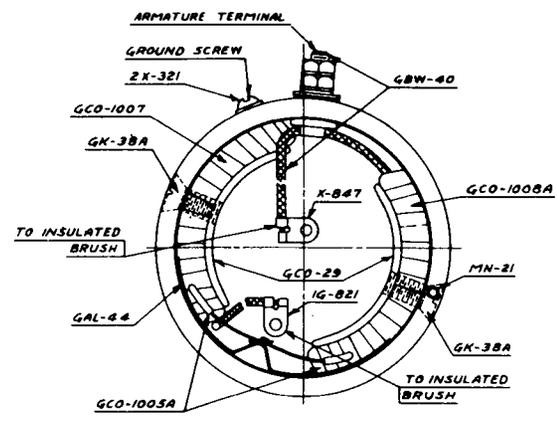
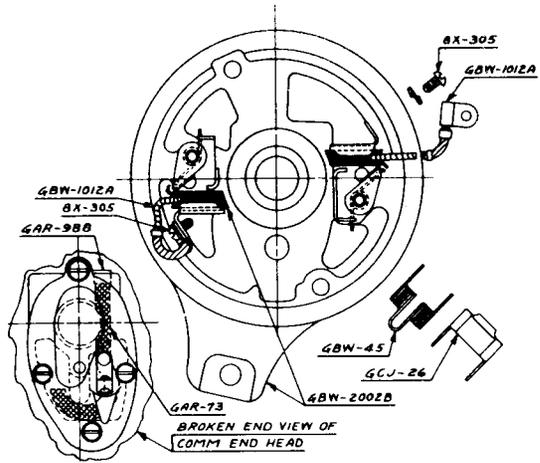
UNIT	APPLICATION
GCO-4807A	Packard

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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."

GCO-4807A GENERATOR ILLUSTRATION



GCO-4807A
File A-837

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GCP-4801 GENERATOR PARTS LIST

GCP-4801

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.

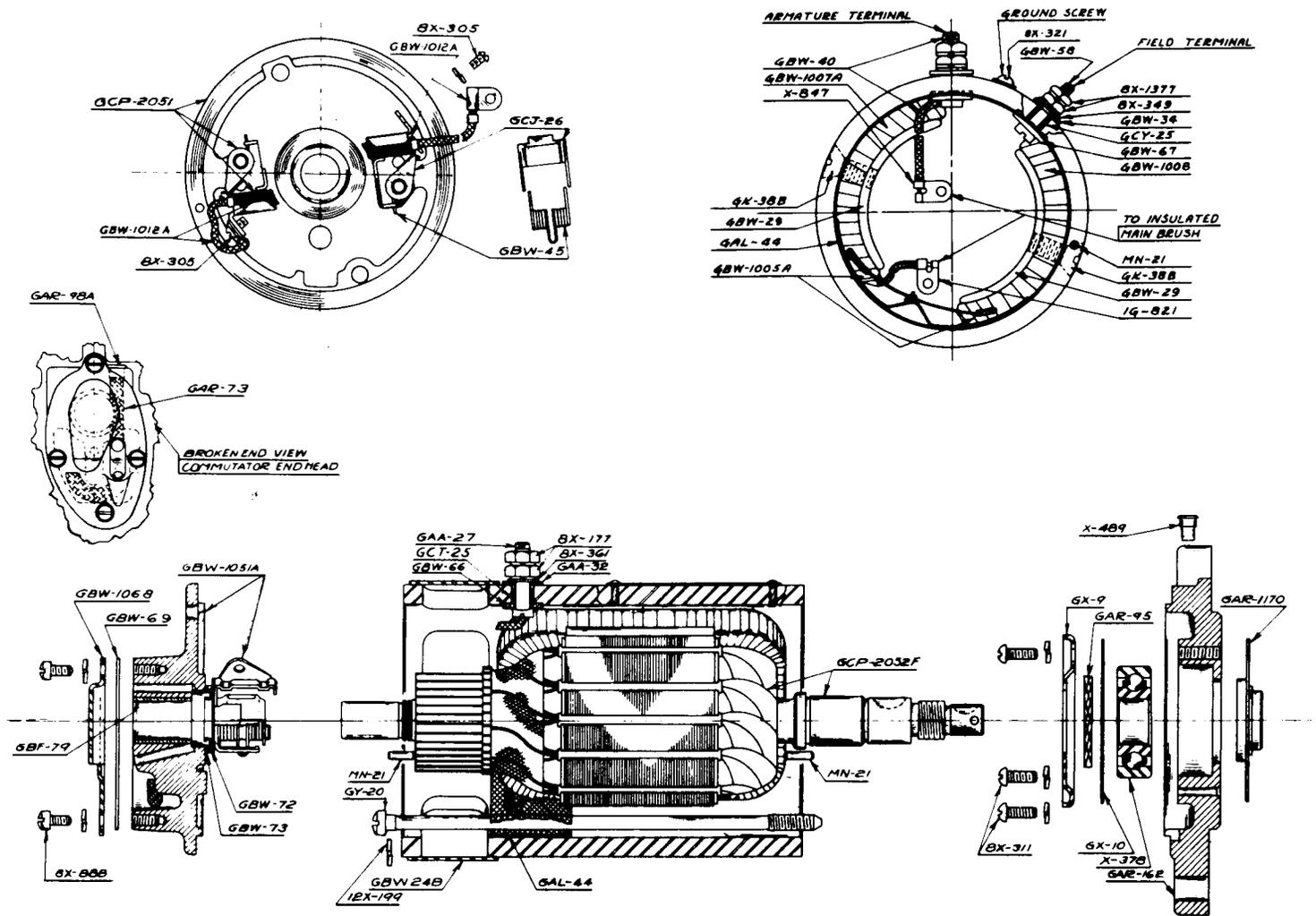
† Service Brush Set GBW-2012AS.

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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."

GCP-4801 GENERATOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GCP-4802 GENERATOR PARTS LIST

GCP-4802

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.

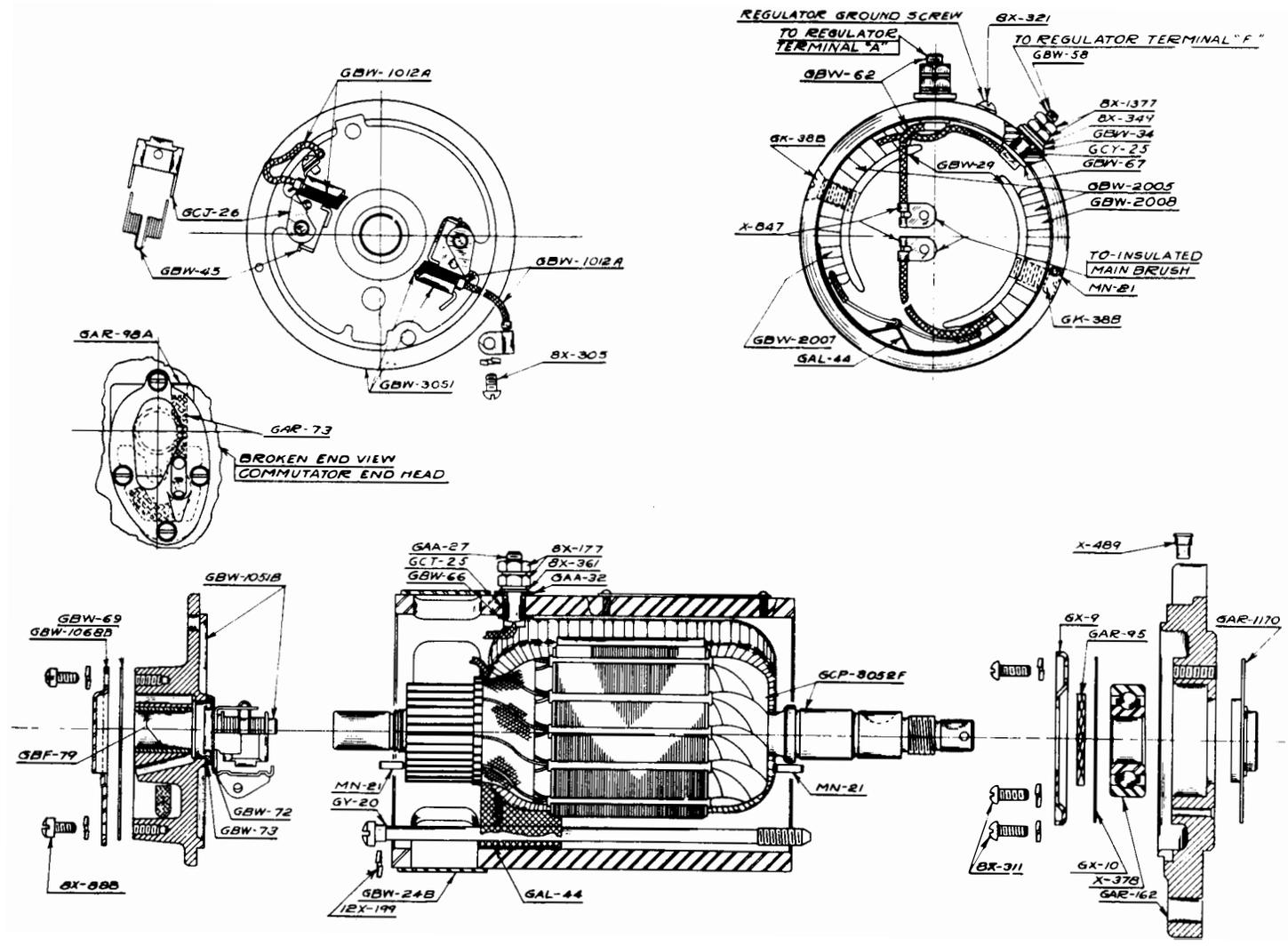
† Service Brush Set GBW-2012AS.

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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."

GCP-4802 GENERATOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GCR-4802,N GENERATOR PARTS LIST

GCR-4802,N

Frame & Field Assembly & Parts Used With					Comm. End Head Assembly (Con't.)													
Part No.	No. Used	Name of Part					Part No.	No. Used	Name of Part									
		1	2	3	4	5			1	2	3	4	5					
GCS-20	2	Bolt, Thru					X-489	1	Oiler, Hinge Top, Press in, 1/4									
(GCR-2032)	1	Frame & Field Assy.					8X-726	3	Screw, Attaching, C.E. Cover, Bdg. Hd., #10-32x7/16									
GAA-32	1	Washer, Ins. Arm. Term., Outer					X-1270	3	Washer, Skpf., C.E. Cover Sc., #10									
GAL-44	1	Insulation, Field Connection					X-1621	3	Washer, Skpf., Air Deflector Screw #10									
GBW-34	1	Washer, Ins., Field Term., Outer					<u>Armature Assembly & Parts Used With</u>											
GBW-40	1	Lead Assembly					DG-1144	1	Oil Thrower									
GAA-27	1	Stud, Arm. Term. #14-24					GBM-21	1	Nut, Armature Shaft									
X-847	1	Terminal					GCR-2033F	1	Armature Assembly									
GBW-66	1	Insulation, Square, Arm. Terminal					GAR-171	1	Snap Ring									
GBW-67	1	Insulation, Square, Field Terminal					GR-32	1	Retainer, Felt Washer									
GCR-1005	1	Coil Assy., Field, Comp.					SP-96C	1	Fan, Ventilating									
GBW-58	1	Stud, Field Term. #10-32					X-157	1	Nut, Armature Shaft, Hex., 1/2-20									
GCR-1007	1	Coil Assy., Field, Left					X-258	1	Key, Woodruff, #3									
IG-821	1	Terminal					X-263	1	Key, Woodruff, #8									
GCR-1008	1	Coil, Field, Right					X-358	1	Washer, Plain, Arm. Shaft, 1/2									
GCT-25	1	Bushing, Ins., Arm. Term.					X-404	1	Pin, Cotter, 3/32x1									
GCY-25	1	Bushing, Ins., Field Term.					X-864	1	Lockwasher, Arm. Shaft									
GK-38	2	Screw, Pole Shoe					<u>Drive End Head Assembly & Parts Used With</u>											
MN-21	2	Pin, Dowel					GAR-1192	1	Head Assy., Drive End									
8X-177	2	Nut, Arm. Term., Hex., #14-24					GAE-47	1	Retainer, Bearing									
X-193	2	Lock Washer, Arm. Term., #14					GAR-192	1	Head									
X-196	2	Lock Washer, Field Term., #10					8X-66	3	Screw, Retainer, Flat Hd., #10-32x1/2									
8X-349	1	Washer, Field Term., Plain, #10					X-378	1	Bearing, Ball, Shielded, SAE #204									
8X-361	1	Washer, Arm. Term., Plain, 1/4					X-1621	3	Washer, Retainer Sc., Skpf., #10									
8X-1377	2	Nut, Field Term., Hex., #10-32					<u>Miscellaneous Parts</u>											
X-196	1	Washer, Lock, Ground Sc., #10					GBW-24B	1	Band, Cover									
X-199	2	Washer, Lock, Thru Bolt, 1/4					X-715	1	Screw, Cover Band, Rd. Hd., #10-32x1 1/4									
8X-321	1	Screw, Ground, Rd. Hd., #10-32x5/16					8X-794	1	Nut, Cover Band, Square, #10-32 1 2 3 4 5									
<u>Comm. End Head Assembly & Parts Used With</u>					(Issued 5-10-45)													
DA-39	2	Washer, Plain, Felt Retaining					Assembly					Regulator						
DA-132	1	Washer, Felt, C.E. Outer					No.											
GAB-188	1	Washer, Felt, C.E. Inner					GCR-4802						VRS-4005A					
GAR-82	1	Deflector, Air					GCR-4802N						VRS-4008A					
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												

† 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.

"NOTE: 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

GCS-4801 GENERATOR PARTS LIST

GCS-4801

Frame & Field Assembly & Parts Used With						Armature Assembly & Parts Used With							
Part No.	No. Used	Name of Part					Part No.	No. Used	Name of Part				
		1	2	3	4	5			1	2	3	4	5
GCO-20A	2	Frame Screw					GAR-159	1	Armature Shaft Spacer				
(GCS-2001)	1	Frame & Field Assy.					GCS-2006F	1	Armature Assy.				
GAL-44	1	Field Connection Ins.					GAR-171	2	Snap Ring				
GAL-148	1	Aligning Dowel					GR-32	1	Felt Washer Retainer				
GAR-211	1	Ins. Bushing					X-264B	1	#9 Special Woodruff Key				
GCO-29	2	Pole Piece					Drive End Head Assembly & Parts Used With						
GCS-1005	1	Field Coil Assy.-Comp.					GAR-1062	1	Drive End Head Assy.				
GCS-1007	1	Field Coil Assy.-Left					GAR-62	1	Drive End Head				
GAL-296	1	C.B. Lead Assy.					GAR-63	2	Felt Guard				
X-755	1	Terminal					GAR-64	2	Bearing Retainer				
X-1425	1	Terminal					GG-164	2	Felt Washer				
X-976	1	Terminal					6X-173	3	#10-32 Hex. Nut				
GCS-1008	1	Field Coil Assy.-Right					X-295	1	Ball Brg.-S.A.E. #203				
X-755	1	Terminal					X-489	1	1/4 Oiler - Press in Type				
GK-38	2	Pole Piece Screw					6X-1003	3	#10-32x7/8 Rd. Hd. Sc.				
MN-21	2	Dowel Pin					X-1270	3	#10 Skpf. Washer				
X-199	2	1/4 Lock Washer					Miscellaneous Parts						
Comm. End Plate Assembly & Parts Used With						GBW-1024A	1	Head Band Assy.					
DA-39	2	Flat Oil Guard					TC-4302A	1	Two Charge Regulator & Circuit Breaker				
DA-70	1	Armature Shaft Nut					X-196	4	#10 Lock Washer				
GAR-83A	1	Comm. End Cap Cover					8X-321	4	#10-32x5/16 Rd. Hd. Sc.				
GBJ-25	1	End Cap Cover Gasket					X-715	1	#10-32x1 1/4 Rd. Hd. Sc.				
(GCM-2031)	1	Comm. End Plate Assy.					8X-794	1	#10-32 Square Nut				
GCJ-51	1	3rd Brush Plate Retaining Spring							1	2	3	4	5
GCJ-1012†	2	Brush - Main					(Issued 12-14-37)						
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 F111. Hd. Sc.											
		1	2	3	4	5							

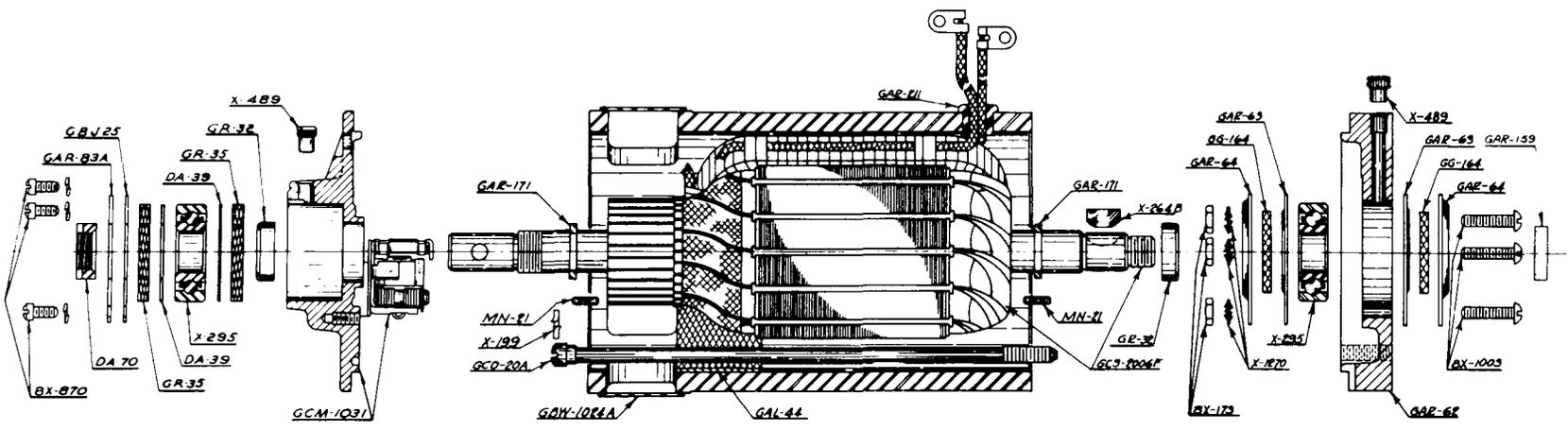
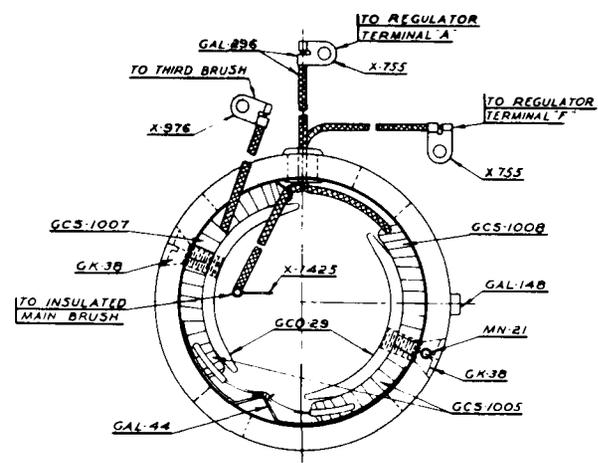
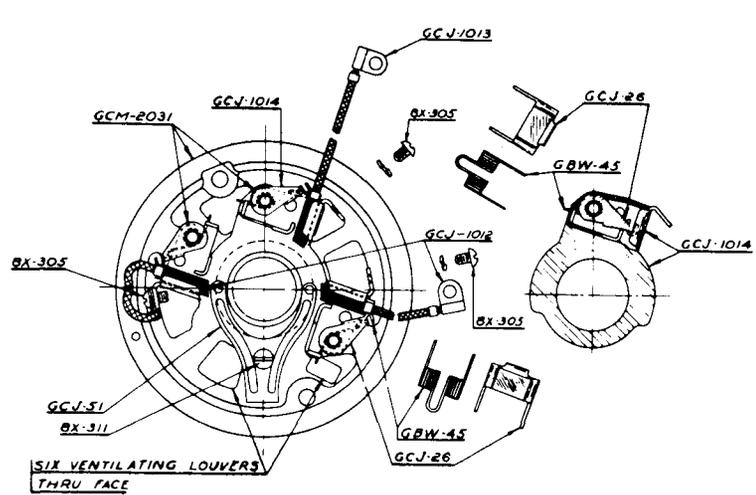
† Service Brush Set GCJ-2012S.

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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."

GCS-4801 GENERATOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GCS-4802 GENERATOR PARTS LIST

GCS-4802

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.
GEW-45	1	Brush Spring
GCJ-26	1	Brush Arm
GCM-1031	1	Comm. End Plate Part Assy.
GRW-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-270	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)

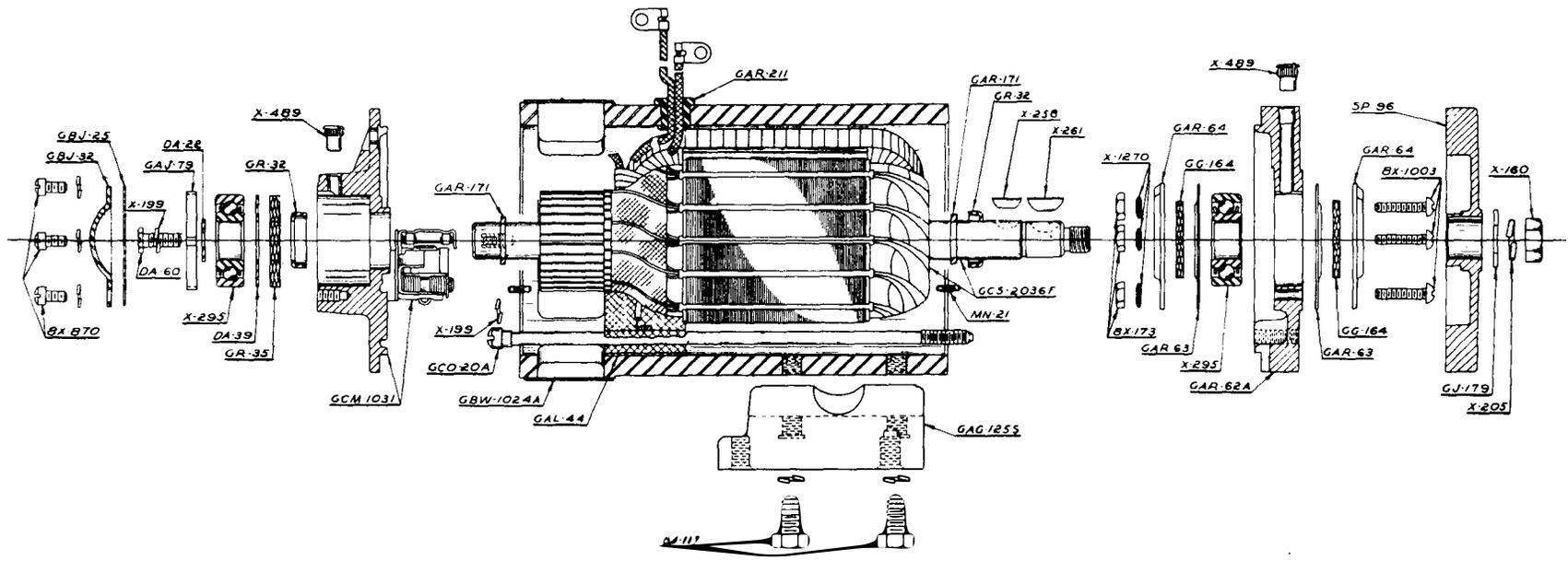
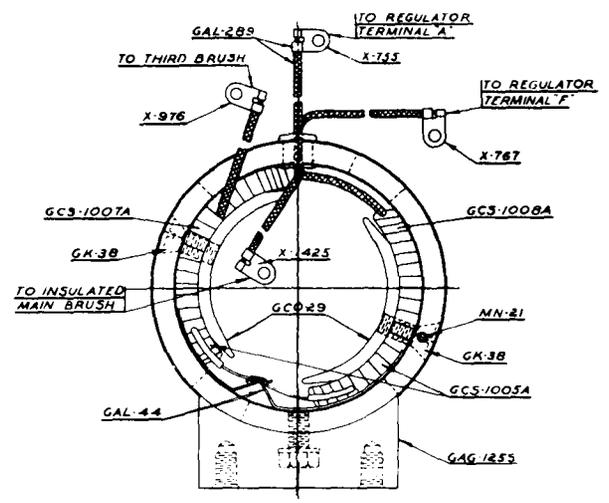
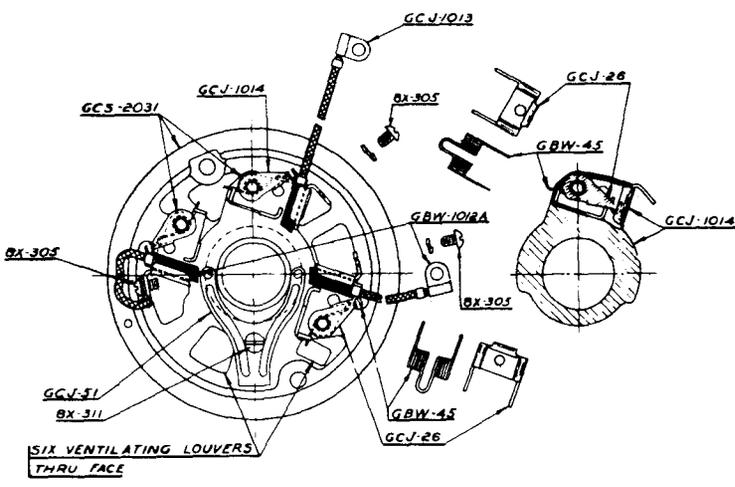
† Service Brush Set GBW-2012BS.

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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."

GCS-4802 GENERATOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GCS-4803A,B, GENERATOR PARTS LIST
C,D

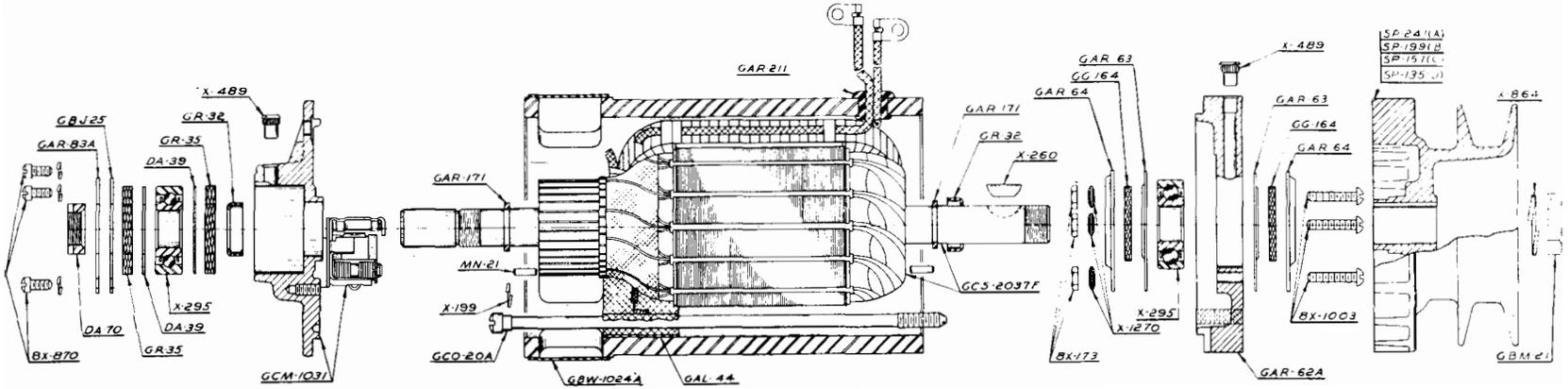
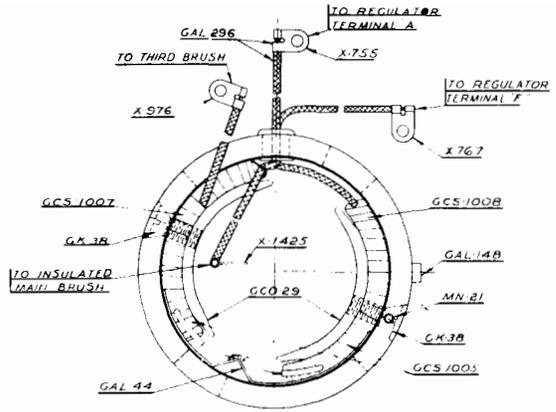
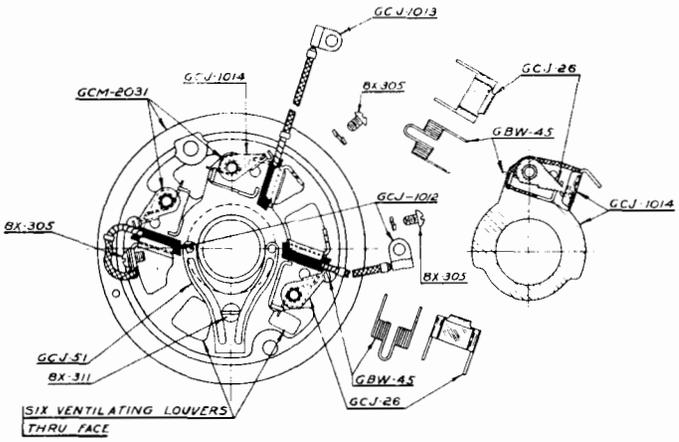
GCS-4803A,B,C,D

Frame & Field Assy. & Parts Used With						Armature Assembly & Parts Used With									
Part No.	No. Used	Name of Part						Part No.	No. Used	Name of Part					
			1	2	3	4	5				1	2	3	4	5
GCO-20A	2	Frame Screw						GEM-21	1	Armature Shaft Nut					
(GCS-2001)	1	Frame & Field Assembly						GCS-2037F	1	ARMATURE ASSEMBLY					
GAL-44	1	Field Connection Ins.						GAR-171	2	Snap Ring					
GAL-148	1	Aligning Dowel						GR-32	2	Felt Washer Retainer					
GAR-211	1	Insulating Bushing						*	1	Drive Pulley					
GCO-29	2	Pole Piece						X-260	1	#5 Woodruff Key					
GCS-1005	1	FIELD COIL ASSY.- Comp.						X-864	1	.669 Lock Washer					
GCS-1007	1	Field Coil Assy.-Left						<u>Drive End Head Assy. & Parts Used With</u>							
GAL-296	1	C. B. Lead Assy.						GAR-1062B	1	Drive End Head Assembly					
X-755	1	Terminal						GAR-62A	1	Drive End Head					
X-1425	1	Terminal						GAR-63	2	Felt Guard					
X-976	1	Terminal						GAR-64	2	Bearing Retainer					
GCS-1008	1	Field Coil Assy.-Right						GG-164	2	Felt Washer					
X-767	1	Terminal						8X-173	3	#10-32 Hex. Nut					
GK-38	2	Pole Piece Screw						X-295	1	BALL BRG. - S.A.E. #203					
MN-21	2	Dowel Pin						X-489	1	1/4 Oiler - Press in Type					
X-199	2	1/4 Lock Washer						8X-1003	3	#10-32x7/8 Rd. Hd. Screw					
<u>Comm. End Plate Assy. & Parts Used With</u>						<u>Miscellaneous Parts</u>									
DA-39	2	Flat Oil Guard						GBW-1024A	1	Head Band Assembly					
DA-70	1	Armature Shaft Nut						TC-4302A	1	TWO CHARGE REGULATOR					
GAR-83A	1	Comm. End Cap Cover						X-196	4	#10 Lock Washer					
GBJ-25	1	End Cap Cover Gasket						8X-321	4	#10-32x5/16 Rd. Hd. Screw					
(GCM-2031)	1	Comm. End Plate Assembly						X-715	1	#10-32x1 1/4 Rd. Hd. Screw					
GCJ-51	1	3rd Brush Plate Retaining Spring						8X-794	1	#10-32 Square Nut					
GCJ-1012†	2	Brush - Main									1	2	3	4	5
GCJ-1013†	1	Brush - Third						(Issued 7-31-40)							
GCJ-1014	1	3rd Brush Plate Assembly						Assembly No.		Drive Pulley					
GBW-45	1	Brush Spring						GCS-4803A		SP-241					
GCJ-26	1	Brush Arm						GCS-4803B		SP-199					
GCM-1031	1	C. E. Plate Part Assy.						GCS-4803C		SP-157					
GBW-45	2	Brush Spring						GCS-4803D		SP-135					
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								

† 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



GCS-4803A,B,C,D GENERATOR ILLUSTRATION

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GCS-4804A, GENERATOR PARTS LIST
B,C

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					

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					

(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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"NOTE: 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

