

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GCS-4804D GENERATOR PARTS LIST

GCS-4804D

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part				
		1	2	3	4	5
GCO-20A	2					Frame Screw
(GCS-2048)	1					Frame & Field Assy.
GAL-44	1					Field Connection Ins.
GAR-211	1					Ins. Bushing
GCO-29	2					Pole Piece
GCS-1005A	1					FIELD COIL ASSY. - COMP.
GCS-1007A	1					Field Coil Assy.-Left
GAL-289	1					C.B. Lead Assy.
X-755	1					Terminal
X-1425	1					Terminal
X-976	1					Terminal
GCS-1008A	1					Field Coil Assy.-Right
X-767	1					Terminal
GK-38	2					Pole Piece Screw
MN-21	2					Dowel Pin
X-199	2					1/4 Lock Washer

Comm. End Plate Assembly & Parts Used With

(GCM-2073)	1					Comm. End Plate Assy.
GAR-73	1					Oil Wick
GAR-98	1					Wick Cover
GBW-30A	1					Comm. End Cap Cover
GBW-31	1					Gasket
GBW-72	1					Oil Guard
GBW-73	1					Oil Retaining Gasket
GCJ-51	1					3rd Brush Plate Retaining Spring
GCJ-1012†	2					Brush - Main
GCJ-1013†	1					Brush - Third
GCJ-1014	1					3rd Brush Plate Assy.
GBW-45	1					Brush Spring
GCJ-26	1					Brush Arm
GCM-1073A	1					Comm. End Plate Part Assy.
GBF-79	1					ABSORBENT BRONZE BRG.
GBW-45	2					Brush Spring
GCJ-26	2					Brush Arm
GCS-66	2					Stud
X-195	5					#8 Lock Washer
8X-305	1					#8-32x1/4 Rd. Hd. Screw
8X-311	1					#10-32x3/8 Rd. Hd. Screw
X-489	1					1/4 Oiler-Press in Type
8X-888	2					#8-32x5/16 Fill. Hd. Sc.
GCS-1067	1					Mud Baffle
8X-141	2					#8-32 Hex. Nut
X-195	4					#8 Lock Washer
8X-305	2					#8-32x1/4 Rd. Hd. Screw
		1	2	3	4	5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part				
		1	2	3	4	5
GBM-21	1					Armature Shaft Nut
GCS-2049F	1					ARMATURE ASSEMBLY
GAR-171	1					Snap Ring
GR-32	1					Felt Washer Retainer
SP-246	1					Drive Pulley
X-260	1					#5 Woodruff Key
X-864	1					.669 Lock Washer

Drive End Head Assembly & Parts Used With

GBJ-1003E	1					Drive End Head Assy.
GAR-63	2					Felt Guard
GAR-64	2					Bearing Retainer
GBJ-3E	1					D.E. Head
GG-164	2					Felt Washer
8X-173	3					#10-32 Hex. Nut
X-196	3					#10 Lock Washer
X-295	1					BALL BRG. - S.A.E. #203
X-489	1					1/4 Oiler-Press in Type
8X-1003	3					#10-32x7/8 Rd. Hd. Sc.

Miscellaneous Parts

GCS-1024	1					Head Band Assembly
TC-4302A	1					TWO CHARGE REGULATOR
X-196	4					#10 Lock Washer /
8X-321	4					#10-32x5/16 Rd. Hd. Screw
X-714	1					#10-32x1 1/2 Rd. Hd. Screw
8X-794	1					#10-32 Square Nut
		1	2	3	4	5

(Issued 6-29-39)

† Service BRUSH SET GDF-2012S.

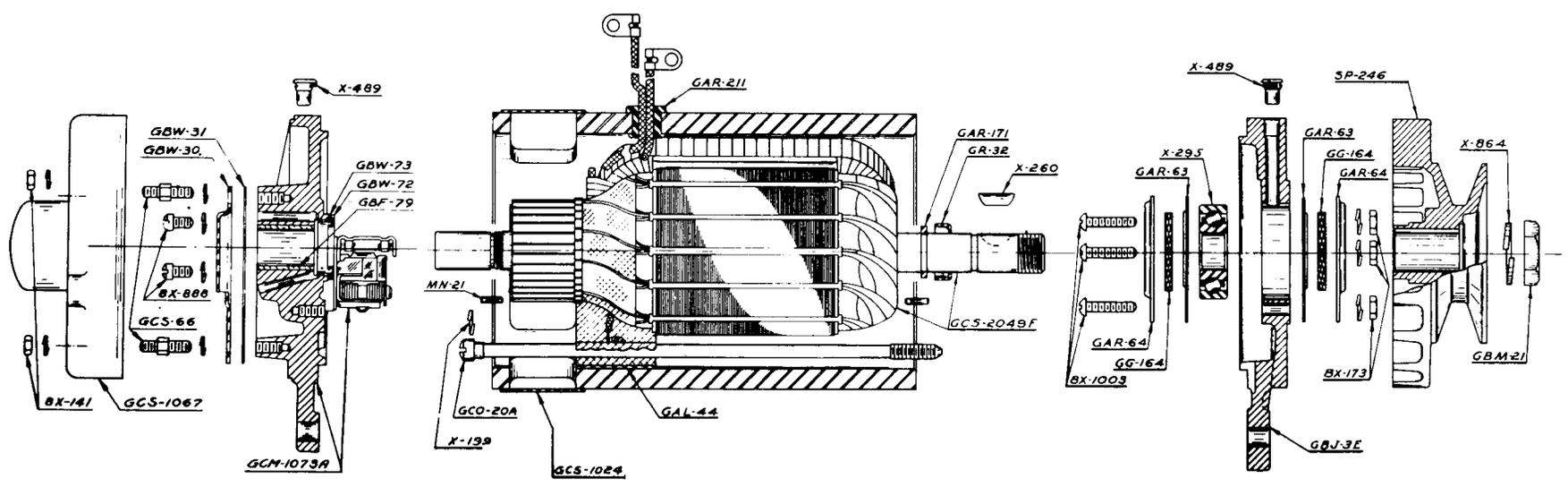
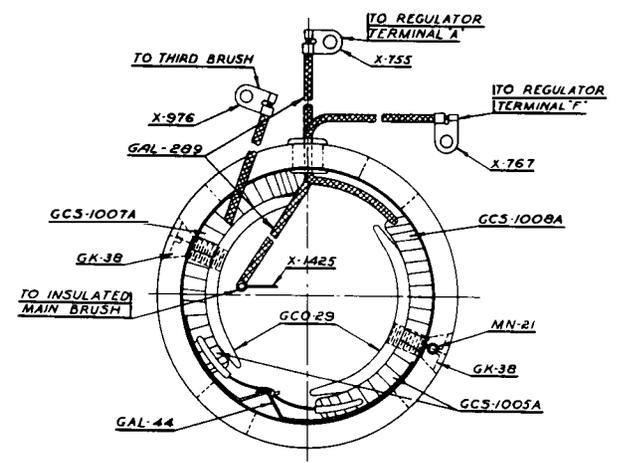
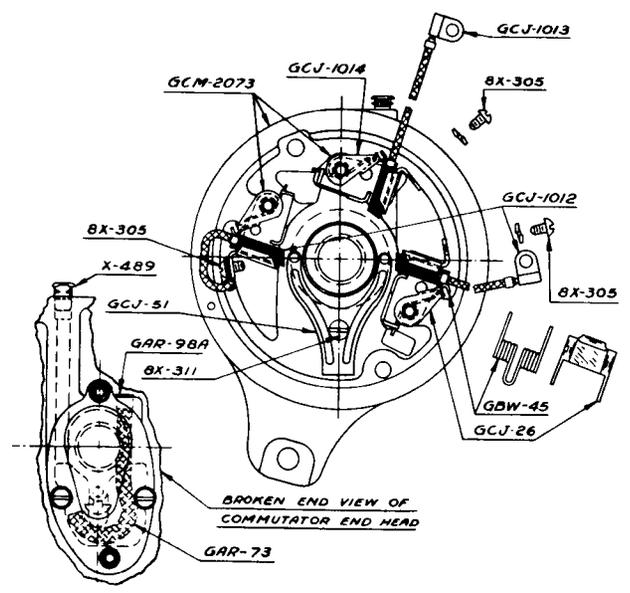
UNIT	APPLICATION
GCS-4804D	White

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File in
Equipment & Parts Lists Binder

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

GCS-4804D GENERATOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GCS-4806A GENERATOR PARTS LIST

GCS-4806A

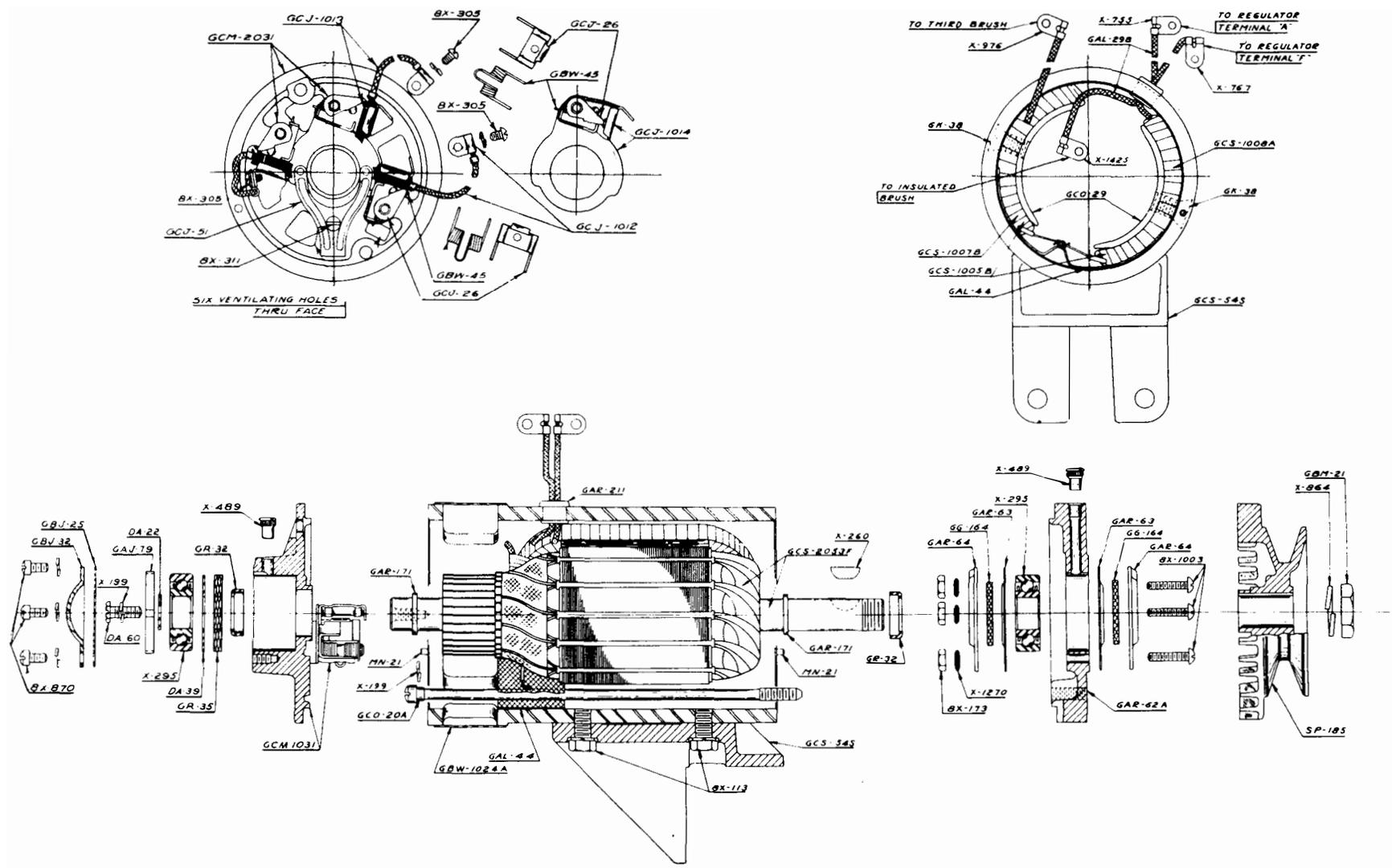
Frame & Field Assembly & Parts Used With					Armature Assembly & Parts Used With								
Part No.	No. Used	Name of Part					Part No.	No. Used	Name of Part				
		1	2	3	4	5			1	2	3	4	5
GCO-20A	2	Frame Screw					GBM-21	1	Armature Shaft Nut				
(GCS-2052)	1	Frame & Field Assy.					GCS-2053F	1	Armature Assy.				
GAL-44	1	Field Connection Ins.					GAR-171	2	Snap Ring				
GAR-211	1	Insulating Bushing					GR-32	1	Felt Washer Retainer				
GCO-29	2	Pole Piece					SP-185	1	Drive Pulley				
GCS-1005B	1	Field Coil Assy.-Comp.					X-260	1	#5 Woodruff Key				
GCS-1007B	1	Field Coil Assy.-Left					X-864	1	.669 Lock Washer				
GAL-298	1	C.B. Lead Assy.					<u>Drive End Head Assembly & Parts Used With</u>						
X-755	1	Terminal					GAR-1062B	1	Drive End Head				
X-1425	1	Terminal					GAR-62A	1	Drive End Head				
X-976	1	Terminal					GAR-63	2	Felt Guard				
GCS-1008A	1	Field Coil Assy.-Right					GAR-64	2	Bearing Retainer				
X-767	1	Terminal					GG-164	2	Felt Washer				
GK-38	2	Pole Piece Screw					8X-173	3	#10-32 Hex. Nut				
MN-21	2	Dowel Pin					X-295	1	Ball Brg.-S.A.E. #203				
GCS-54S	1	Mounting Bracket					X-489	1	1/4 Oiler - Press in Type				
8X-113	2	5/16-24x5/8 Hex. Hd. Screw					8X-1003	3	#10-32x7/8 Rd. Hd. Screw				
X-199	2	1/4 Lock Washer					X-1270	3	#10 Skpf. Washer				
X-203	2	5/16 Lock Washer					<u>Miscellaneous Parts</u>						
<u>Comm. End Plate Assembly & Parts Used With</u>						GBW-1024A	1	Head Band Assy.					
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					8X-321	4	#10-32x5/16 Rd. Hd. Screw				
GAJ-79	1	Bearing Spacer					X-715	1	#10-32x1 1/4 Rd. Hd. Sc.				
GBJ-25	1	End Cap Cover Gasket					8X-794	1	#10-32 Square Nut				
GBJ-32	1	Comm. End Cap Cover							1	2	3	4	5
(GCM-2031)	1	Comm. End Plate Assy.					(Issued 11-1-37)						
G CJ-51	1	3rd Brush Plate Retain- ing Spring											
G CJ-1012 †	2	Brush - Main											
G CJ-1013 †	1	Brush - Third											
G CJ-1014	1	3rd Brush Plate Assy.											
GBW-45	1	Brush Spring											
G CJ-26	1	Brush Arm											
GCM-1031	1	Comm. End Plate Part Assy.											
GBW-45	2	Brush Spring											
G CJ-26	2	Brush Arm											
X-195	1	#8 Lock Washer											
8X-305	1	#8-32x1/4 Rd. Hd. Screw											
8X-311	1	#10-32x3/8 Rd. Hd. Sc.											
GR-32	1	Felt Washer Retainer											
GR-35	1	Felt Washer											
X-195	2	#8 Lock Washer											
X-199	1	1/4 Lock Washer											
X-295	1	Ball Bearing - S.A.E. #203											
8X-305	2	#8-32x1/4 Rd. Hd. Screw											
X-489	1	1/4 Oiler - Press in Type											
X-544	3	#10 Lock Washer											
8X-870	3	#10-32x5/16 Fill. Hd. Sc.											
		1	2	3	4	5							

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GCS-4806A GENERATOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GCS-4807 GENERATOR PARTS LIST

GCS-4807

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					
GCS-20	2	Bolt, Thru					GCS-2055F	1	Armature					
(GCS-3057)	1	Frame & Field Assy.					X-157	1	Nut, Armature Shaft, Hex., 1/2-20					
GAL-44	1	Insulation, Field Connection					X-263	1	Key, Woodruff, #8					
GAL-1224	1	Holder, Fuse					X-358	1	Washer, Plain, Arm. Shaft, 1/2					
GAR-211	1	Bushing, Insulating					X-404	1	Pin, Cotter, 3/32x1					
GCS-2005	1	Coil Assy., Field, Comp.					<u>Drive End Head Assembly & Parts Used With</u>							
GCS-2007	1	Coil Assy., Field, Left					GCS-1058	1	Head Assy., Drive End					
IG-821	1	Terminal					GCS-58	1	Head					
GCS-2008	1	Coil Assy., Field, Right					GX-9	1	Retainer, Bearing					
GAL-296	1	Lead Assy.					GX-10	1	Gasket, Retainer					
X-755	1	Terminal					X-196	3	Washer, Lcck, Retainer Sc., #10					
X-1425	1	Terminal					8X-311	3	Screw, Brg. Retainer, Rd. hd., #10-32x3/8					
X-976	1	Terminal					X-378	1	Bearing, Ball, S.A.E. #204					
GK-38	2	Screw, Pole Shoe					<u>Miscellaneous Parts</u>							
MN-21	2	Pin, Dowel, Head Locating					CB-4014	1	Relay Assy., Cutout					
8X-59	1	Screw, Field Lead, Rd. hd., #8-32x3/16					CB-123	1	Spring, Armature					
X-195	1	Washer, Lock, Lead Sc., #8					CB-160S	1	Cover					
X-199	2	Washer, Lock, Thru Bolt, 1/4					PX-55	1	Screw, Arm. Term., Bdg. hd., #10-32x3/16					
X-842	1	Fuse, 5 Amps.					X-196	2	Washer, Lock, Term. Screw, #10					
<u>Comm. End Head Assembly & Parts Used With</u>						8X-312	1	Screw, Bat. Term., Rd. hd., #10-32x1/4						
(GCM-3058)	1	Head Assy., Comm. End					GCS-1024	1	Band, Cover					
GAR-73	1	Wick, Felt					X-196	2	Washer, Lock, Cutout Relay Mtg., #10					
GAR-98A	1	Cover, Wick					8X-308	1	Screw, Cover Band, Rd. hd., #10-32x1 3/8					
GBW-69	1	Gasket, C.E. Cover					8X-321	2	Screw, Mtg., Cutout Relay, Rd. hd., #10-32x5/16					
GBW-72	1	Oil Guard					8X-794	1	Nut, Cover Band, Square, #10-32					
GBW-73	1	Gasket, Oil Guard							1	2	3	4	5	
GBW-1068	1	Cover, Comm. End					(Issued 3-15-44)							
GCJ-51	1	Spring, Retaining, 3rd												
		Brush Plate												
GCJ-1012‡	2	Brush, Main												
GCJ-1013‡	1	Brush, Third												
GCJ-1014L	1	Plate Assy., 3rd Brush												
GBW-45	1	Spring, Brush												
GCJ-26	1	Arm, Brush												
GCM-1058A	1	Head Assy., Partial, C.E.												
GBF-79	1	Bearing, Absorbent Bronze												
GBW-45	2	Spring, Brush												
GCJ-26	2	Arm, Brush												
X-195	4	Washer, Lock, Cover Sc., #8												
8X-311	1	Screw, Plate Retaining, Rd. hd., #10-32x3/8												
8X-888	4	Screw, Cover, Fil. hd., #8-32x5/16												
X-195	3	Washer, Lock, Brush Lead, #8												
8X-305	3	Screw, Brush Lead, Rd. hd., #8-32x1/4												
		1	2	3	4	5								

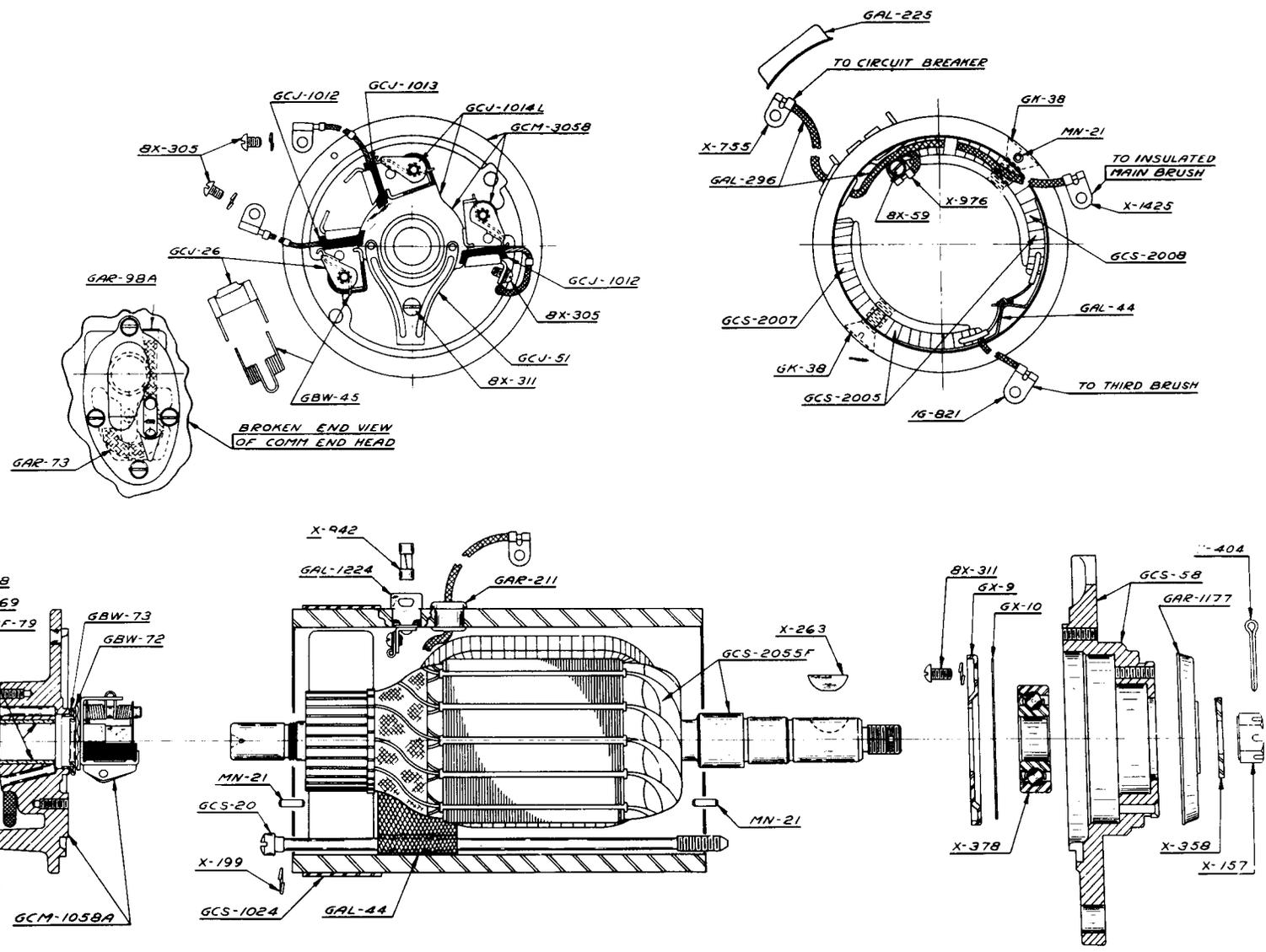
‡ Brush Set, Service, GCJ-2012S.

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GCS-4807 GENERATOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GCS-4808 GENERATOR PARTS LIST

GCS-4808

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part				
		1	2	3	4	5
GCS-20	2	Frame Screw				
(GCS-2039)	1	Frame & Field Assembly				
GAL-44	1	Field Connection Ins.				
GAR-211	1	Ins. Bushing				
GCO-29	1	Pole Piece				
GCS-1005B	1	FIELD COIL ASSY.-COMP.				
GCS-1007B	1	Field Coil Assy.-Left				
GAL-298	1	C.B. Lead Assy.				
X-755	1	Terminal				
X-1425	1	Terminal				
X-976	1	Terminal				
GCS-1008A	1	Field Coil Assy.-Right				
X-767	1	Terminal				
GK-38	2	Pole Piece Screw				
MN-21	2	Dowel Pin				
X-199	2	1/4 Lock Washer				

Comm. End Plate Assembly & Parts Used With

DA-39	2	Flat Oil Guard				
DA-132	1	Felt Washer				
GAB-188	1	Felt Washer				
GAR-82	1	Air Deflector				
GAR-83	1	Comm. End Cap Cover				
GBJ-25	1	End Cap Cover Gasket				
(GCM-2035)	1	Comm. End Plate Assembly				
GCJ-31	1	3rd Brush Plate Retaining Spring				
GCJ-1012†	2	Brush - Main				
GCJ-1013†	1	Brush - Third				
GCJ-1014	1	3rd Brush Plate Assy.				
GBW-45	1	Brush Spring				
GCJ-26	1	Brush Arm				
GCM-1035	1	Comm. End Plate Part Assy.				
GBW-45	2	Brush Spring				
GCJ-26	2	Brush Arm				
X-195	1	#8 Lock Washer				
8X-305	1	#8-32x1/4 Rd. Hd. Screw				
8X-311	1	#10-32x3/8 Rd. Hd. Screw				
GR-32	1	Felt Washer Retainer				
X-62	6	#10-32x3/8 Flat Hd. Screw				
X-195	2	#8 Lock Washer				
X-295	1	Ball Bearing-S.A.E. #203				
8X-305	2	#8-32x1/4 Rd. Hd. Screw				
X-489	1	1/4 Oiler - Press in Type				
		1	2	3	4	5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part				
		1	2	3	4	5
GAR-1177	1	Oil Thrower Assembly				
GBM-21	1	Armature Shaft Nut				
GCS-2038F	1	ARMATURE ASSEMBLY				
GAR-171	1	Snap Ring				
GK-174	1	1/2 Plain Washer				
SP-96	1	Ventilating Fan				
X-156	1	1/2-20 Castellated Nut				
X-258	1	#3 Woodruff Key				
X-263	1	#8 Woodruff Key				
X-404	1	3/32x1 Cotter Pin				
X-864	1	.669 Lock Washer				

Drive End Head Assembly & Parts Used With

GAR-1096	1	Drive End Head Assembly				
GAR-95	1	Felt Washer				
GAR-96	1	Drive End Head				
GX-9	1	D.E. Packing Retainer				
GX-10	1	Gasket				
X-196	3	#10 Lock Washer				
6X-311	3	#10-32x3/8 Rd. Hd. Screw				
X-378	1	BALL BEARING-S.A.E. #204				

Miscellaneous Parts

GBW-1024A	1	Head Band Assembly				
TC-4302A	1	TWO CHARGE REGULATOR				
X-196	4	#10 Lock Washer				
8X-321	4	#10-32x5/16 Rd. Hd. Screw				
X-715	1	#10-32x1 1/4 Rd. Hd. Screw				
8X-794	1	#10-32 Square Nut				
		1	2	3	4	5

(Issued 5-10-39)

† SERVICE BRUSH SET GDF-2012S.

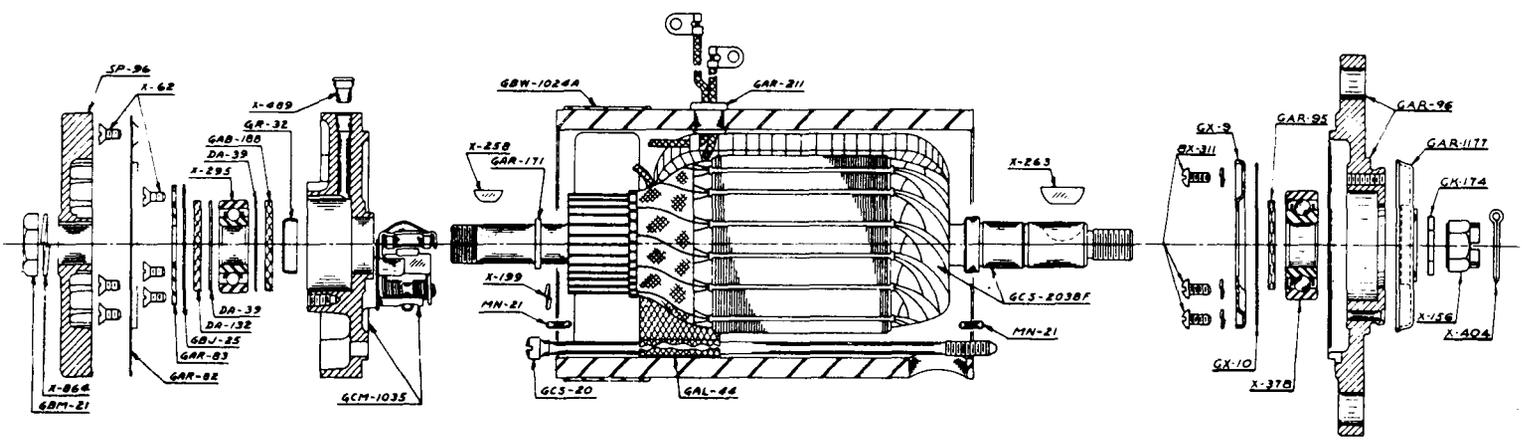
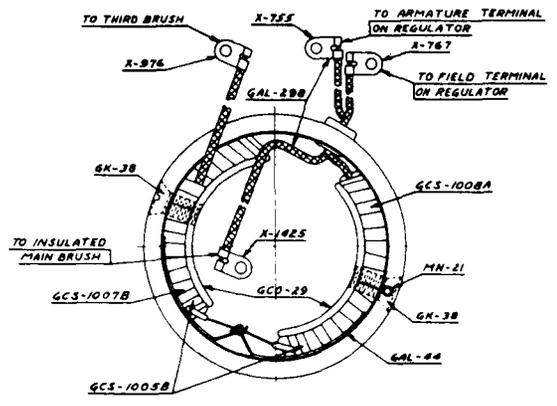
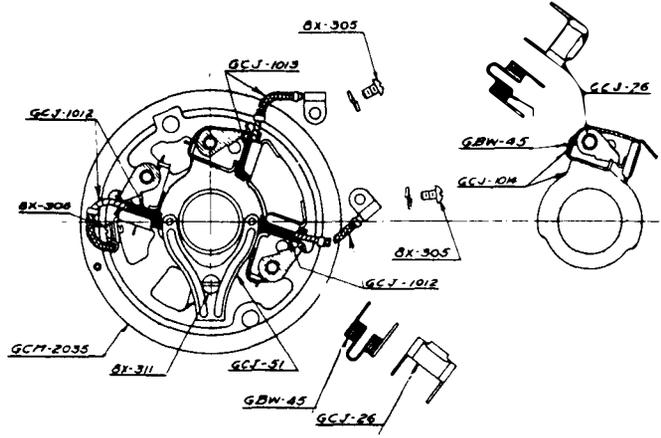
UNIT	APPLICATION
GCS-4808	Autocar

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Equipment & Parts Lists Binder

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GCS-4808 GENERATOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GCS-4809A GENERATOR PARTS LIST

GCS-4809A

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					GBM-21	1	Armature Shaft Nut				
(GCS-2040)	1	Frame & Field Assy.					GCS-2049F	1	Armature Assy.				
GAA-32	1	Terminal Post Top Ins.					GAR-171	1	Snap Ring				
GAL-44	1	Field Connection Ins.					SP-338	1	Drive Pulley				
GBW-34	1	Insulating Washer					X-260	1	#5 Woodruff Key				
GBW-40	1	Lead Assy.					X-864	1	669 Lock Washer				
GAA-27	1	Terminal Post					<u>Drive End Head Assembly & Parts Used With</u>						
X-847	1	Terminal					GCS-1059	1	Drive End Head Assy.				
CBW-58	1	Terminal Post					GAR-63	2	Felt Guard				
GBW-66	1	Terminal Post Bottom Ins.					GAR-64	2	Bearing Retainer				
GBW-67	1	Terminal Post Bottom Ins.					GCS-59	1	Drive End Head				
GCO-29	2	Pole Piece					GG-164	2	Felt Washer				
GCS-1005D	1	Field Coil Assy.-Comp.					EX-173	3	#10-32 Hex. Nut				
GCS-1007D	1	Field Coil Assy.-Left					X-295	1	Ball Bearing-SAE #203				
X-976	1	Terminal					X-489	1	1/4 Oiler - Press in Type				
GCS-1008B	1	Field Coil Assy.-Right					EX-1003	3	#10-32x7/8 Rd. Hd. Screw				
GCT-25	1	Insulating Bushing					X-1270	3	#10 Skpf. Lock Washer				
GCT-25	1	Insulating Bushing					<u>Miscellaneous Parts</u>						
GK-38	2	Pole Piece Screw					GBW-1024A	1	Head Band Assy.				
MNV-21	2	Dowel Pin					X-715	1	#10-32x1 1/4 Rd.Hd. Screw				
EX-177	1	#14-24 Hex. Nut					EX-794	1	#10-32 Square Nut				
X-193	1	#14 Lock Washer							1	2	3	4	5
X-196	1	#10 Lock Washer					(Issued 8/4/38)						
EX-349	1	#10 Plain Washer											
EX-361	1	1/4 Plain Washer											
EX-1377	1	#10-32 Hex. Nut											
EX-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											
EX-321	1	#10-32x5/16 Rd. Hd. Screw											
EX-1377	1	#10-32 Hex. Nut											
<u>Comm. End Plate Assembly & Parts Used With</u>													
(GCM-2064)	1	Comm. End Plate Assy.											
GAR-73	1	Oil Wick											
GAR-98A	1	Wick Cover											
GBW-69	1	Gasket											
GBW-72	1	Oil Guard											
GBW-73	1	Oil Retaining Gasket											
GBW-1068B	1	Comm. End Cap Cover											
GCJ-51	1	3rd Brush Plate											
		Retaining Spring											
GCJ-1014	1	3rd Brush Plate Assy.											
GBW-45	1	Brush Spring											
GCJ-26	1	Brush Arm											
GCM-1064A	1	Comm. End Plate Part Assy.											
GBF-79	1	Absorbent Bronze Brg.											
GBW-45	2	Brush Spring											
GCJ-26	2	Brush Arm											
GDF-1012†	2	Brush - Main											
GDF-1013†	1	Brush - Third											
X-195	5	#8 Lock Washer											
EX-305	1	#8-32x1/4 Rd. Hd. Screw											
EX-311	1	#10-32x3/8 Rd.Hd. Screw											
EX-888	4	#8-32x5/16 Fill.Hd.Screw											
GR-32	1	Felt Washer Retainer											
X-195	2	#8 Lock Washer											
EX-305	2	#8-32x1/4 Rd. Hd. Screw											
		1	2	3	4	5							

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

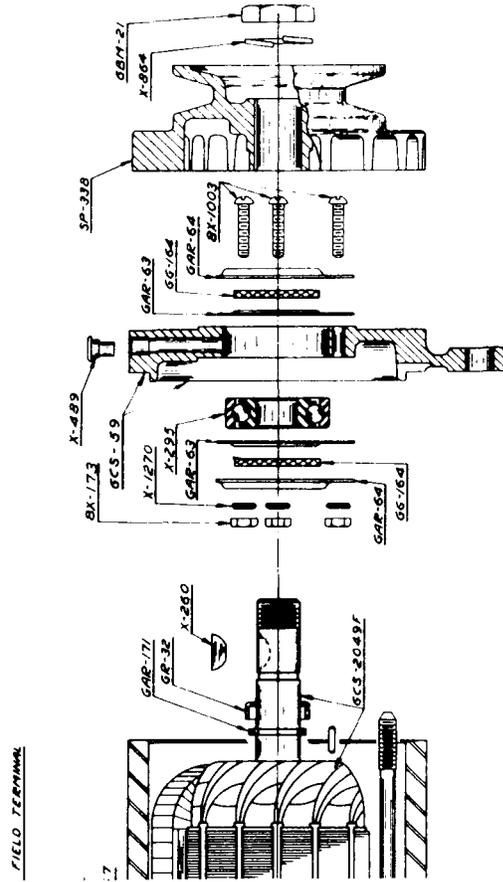
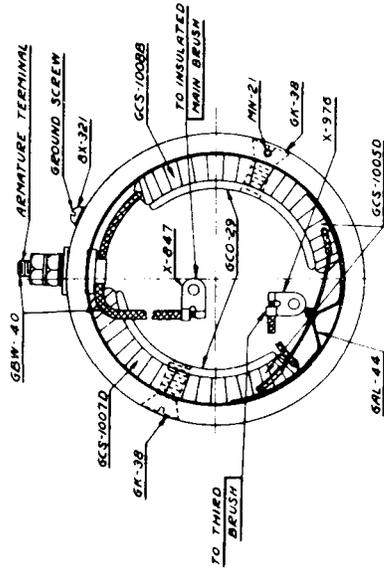
† Service Brush Set GDF-2012S.

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GCS-4809A GENERATOR ILLUSTRATION



FIELD TERMINAL

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GCS-4811A GENERATOR PARTS LIST

GCS-4811A

Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part					
			1	2	3	4	5
GCO-20A	2	Frame Screw					
(GCS-2048)	1	Frame & Field Assembly					
GAL-44	1	Field Connection Ins.					
GAR-211	1	Insulating Bushing					
GCO-29	2	Pole Piece					
GCS-1005A	1	FIELD COIL ASSY.- COMP.					
GCS-1007A	1	Field Coil Assy.-Left					
GAL-289	1	C. B. Lead Assy.					
X-755	1	Terminal					
X-1425	1	Terminal					
X-976	1	Terminal					
GCS-1008A	1	Field Coil Assy.-Right					
X-767	1	Terminal					
GK-38	2	Pole Piece Screw					
MN-21	2	Dowel Pin					
X-199	2	1/4 Lock Washer					

Comm. End Plate Assy. & Parts Used With

(GCM-2002A)	1	Comm. End Plate Assembly					
GAR-73	1	Oil Wick					
GAR-98	1	Wick Cover					
GBW-69	1	Gasket					
GBW-72	1	Oil Guard					
GBW-73	1	Oil Retaining Gasket					
GBW-1068B	1	Comm. End Cap Cover					
GCJ-51	1	3rd Brush Plate Retaining Spring					
GCJ-1012‡	2	Brush - Main					
GCJ-1013‡	1	Brush - Third					
GCJ-1014	1	3rd Brush Plate Assy.					
GBW-45	1	Brush Spring					
GCJ-26	1	Brush Arm					
GCM-1002C	1	C. E. Plate Part Assy.					
GBF-79	1	ABSORBENT BRONZE BRG.					
GBW-45	2	Brush Spring					
GCJ-26	2	Brush Arm					
X-195	5	#8 Lock Washer					
8X-305	1	#8-32x1/4 Rd. Hd. Screw					
8X-311	1	#10-32x3/8 Rd. Hd. Screw					
8X-888	4	#8-32x5/16 Fill. Hd. Sc.					
X-195	2	#8 Lock Washer					
8X-305	2	#8-32x1/4 Rd. Hd. Screw					
			1	2	3	4	5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part					
			1	2	3	4	5
GBM-21	1	Armature Shaft Nut					
GCS-2049F	1	ARMATURE ASSEMBLY					
GAR-171	1	Snap Ring					
GR-32	1	Felt Washer Retainer					
SP-322	1	Drive Pulley					
X-260	1	#5 Woodruff Key					
X-864	1	.669 Lock Washer					

Drive End Head Assy. & Parts Used With

GAR-1198A	1	Drive End Head Assembly					
GAR-63	2	Felt Guard					
GAR-64	2	Bearing Retainer					
GAR-198A	1	Drive End Head					
GG-164	2	Felt Washer					
8X-173	3	#10-32 Hex. Nut					
X-196	3	#10 Lock Washer					
X-295	1	BALL BRG.- S.A.E. #203					
X-489	1	1/4 Oiler - Press in Type					
8X-1003	3	#10-32x7/8 Rd. Hd. Screw					

Miscellaneous Parts

GBW-1024A	1	Head Band Assembly					
TC-4302A	1	TWO CHARGE REGULATOR					
X-196	4	#10 Lock Washer					
8X-321	4	#10-32x5/16 Rd. Hd. Screw					
X-715	1	#10-32x1 1/4 Rd. Hd. Screw					
8X-794	1	#10-32 Square Nut					
			1	2	3	4	5

(Issued 8-21-39)

‡ Service BRUSH SET GDF-2012S.

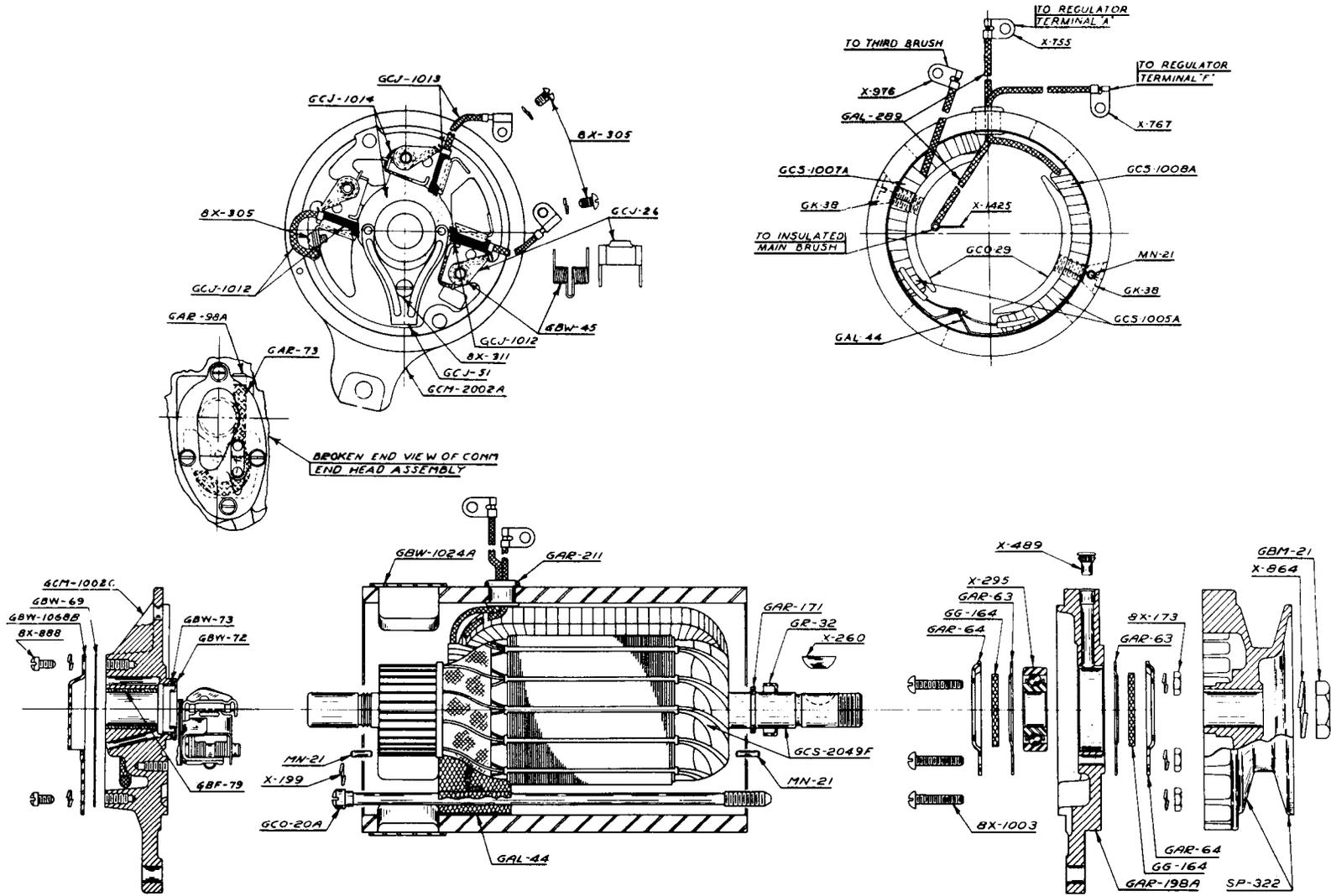
UNIT	APPLICATION
GCS-4811A	Brockway

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."

GCS-4811A GENERATOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GCS-4812 GENERATOR PARTS LIST

GCS-4812

Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part				
		1	2	3	4	5
GCO-20A	2					Frame Screw
(GCS-2061)	1					Frame & Field Assembly
GAG-125S	1					Mounting Bracket
GAL-44	1					Field Connection Ins.
GAR-211	1					Insulating Bushing
GCO-29	2					Pole Piece
GCS-1005E	1					FIELD COIL ASSY.- COMP.
GCS-1007E	1					Field Coil Assy.-Left
GAL-298	1					C. B. Lead Assy.
X-755	1					Terminal
X-1425	1					Terminal
X-976	1					Terminal
GCS-1008C	1					Field Coil Assy.-Right
X-767	1					Terminal
GK-38	2					Pole Piece Screw
MN-21	2					Dowel Pin
8X-113	2					5/16-24x5/8 Hex. Hd. Sc.
X-203	2					5/16 Lock Washer
X-199	2					1/4 Lock Washer

Comm. End Plate Assy. & Parts Used With

DA-22	1					Bearing Retaining Washer
DA-39	1					Flat Oil Guard
DA-60	1					Bearing Retaining Screw
GAJ-79	1					Bearing Spacer
GBJ-25	1					End Cap Cover Gasket
GBJ-32	1					Comm. End Cap Cover
(GCM-2031)	1					Comm. End Plate Assembly
GCJ-51	1					3rd Br. Plate Retaining Spring
GCJ-1012†	2					Brush - Main
GCJ-1013†	1					Brush - Third
GCJ-1014	1					3rd Brush Plate Assy.
GBW-45	1					Brush Spring
GCJ-26	1					Brush Arm
GCM-1031	1					C. E. Plate Part Assy.
GBW-45	2					Brush Spring
GCJ-26	2					Brush Arm
X-195	1					#8 Lock Washer
8X-305	1					#8-32x1/4 Rd. Hd. Screw
8X-311	1					#10-32x3/8 Rd. Hd. Screw
GR-32	1					Felt Washer Retainer
GR-35	1					Felt Washer
X-195	2					#8 Lock Washer
X-199	1					1/4 Lock Washer
X-295	1					BALL BEARING - S.A.E. #203
8X-305	2					#8-32x1/4 Rd. Hd. Screw
X-489	1					1/4 Oiler - Press in Type
X-544	3					#10 Lock Washer
8X-870	3					#10-32x5/16 Fill. Hd. Screw
		1	2	3	4	5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part				
		1	2	3	4	5
GCS-2036F	1					ARMATURE ASSEMBLY
GAR-171	2					Snap Ring
GJ-179	1					7/16 Plain Washer
GR-32	1					Felt Washer Retainer
SP-96	1					Ventilating Fan
X-160	1					7/16-20 Hex. Nut
X-205	1					7/16 Lock Washer
X-258	1					#3 Woodruff Key
X-261	1					#6 Woodruff Key

Drive End Head Assy. & Parts Used With

GAR-1062B	1					Drive End Head Assembly
GAR-62A	1					Drive End Head
GAR-63	2					Felt Guard
GAR-64	2					Bearing Retainer
GG-164	2					Felt Washer
8X-173	3					#10-32 Hex. Nut
X-295	1					BALL BRG.- S.A.E. #203
X-489	1					1/4 Oiler - Press in Type
8X-1003	3					#10-32x7/8 Rd. Hd. Screw
X-1270	3					#10 Skpf. Washer

Miscellaneous Parts

GBW-1024A	1					Head Band Assembly
TC-4302A	1					TWO CHARGE REGULATOR
X-196	4					#10 Lock Washer
8X-321	4					#10-32x5/16 Rd. Hd. Screw
X-715	1					#10-32x1 1/4 Rd. Hd. Screw
8X-794	1					#10-32 Square Nut
		1	2	3	4	5

(Issued 8-21-39)

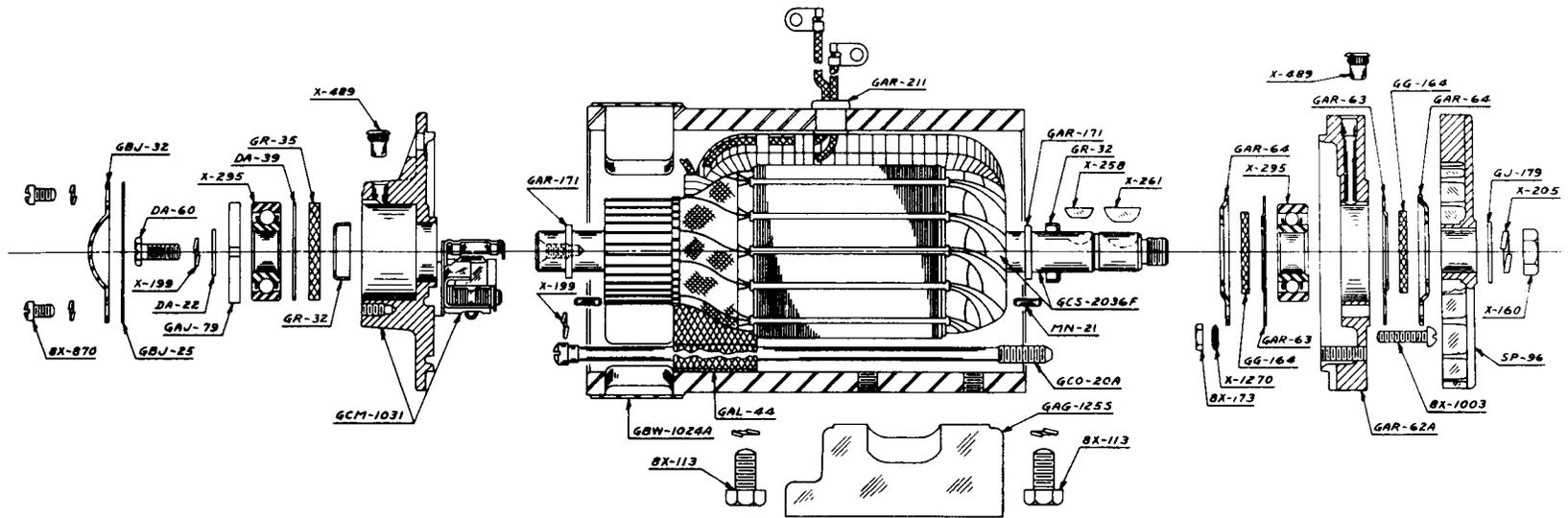
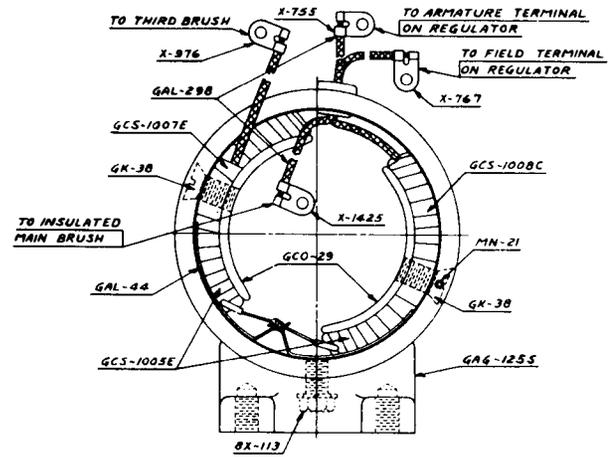
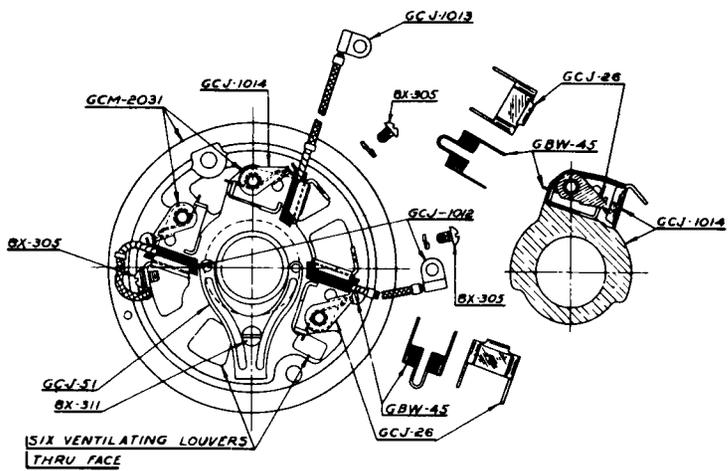
† Service BRUSH SET GDF-2012S.

UNIT	APPLICATION
GCS-4812	Brockway

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."



GCS-4812 GENERATOR ILLUSTRATION

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GCS-4813A GENERATOR PARTS LIST

GCS-4813A

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part				
		1	2	3	4	5
GCO-20A	2	Frame Screw				
(GCS-2063)	1	Frame & Field Assembly				
GAL-44	1	Field Connection Ins.				
GAR-211	1	Insulating Bushing				
GCO-29	2	Pole Piece				
GCS-1005G	1	FIELD COIL ASSY. - COMP.				
GCS-1007G	1	Field Coil Assy.-Left				
GAL-346	1	C.B. Lead Assy.				
X-755	1	Terminal				
X-847	1	Terminal				
X-976	1	Terminal				
GCS-1003C	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 Retain- ing Spring				
GCJ-1014	1	3rd Brush Plate Assy.				
GBW-45	1	Brush Spring				
GCJ-26	1	Brush Arm				
GCJ-1012‡	2	Brush - Main				
GCJ-1013‡	1	Brush - Third				
GCM-1002C	1	Comm. End Plate Part Assy.				
GBF-79	1	ABSORBENT BRONZE BRG.				
GBW-45	2	Brush Spring				
GCJ-26	2	Brush Arm				
X-195	5	#8 Lock Washer				
8X-305	1	#8-32x1/4 Rd. Hd. Screw				
8X-311	1	#10-32x3/8 Rd. Hd. Screw				
8X-888	4	#8-32x5/16 Fill. Hd. Sc.				
X-195	2	#8 Lock Washer				
8X-305	2	#8-32x1/4 Rd. Hd. Screw				
		1	2	3	4	5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part				
		1	2	3	4	5
GBM-21	1	Armature Shaft Nut				
GCS-2049F	1	ARMATURE ASSEMBLY				
GAR-171	1	Snap Ring				
GR-32	1	Felt Washer Retainer				
SP-246	1	Drive Pulley				
X-260	1	#5 Woodruff Key				
X-864	1	.669 Lock Washer				

Drive End Head Assembly & Parts Used With

GBJ-1003E	1	Drive End Head Assembly				
GAR-63	2	Felt Guard				
GAR-64	2	Bearing Retainer				
GBJ-3E	1	D.E. Head				
GG-164	2	Felt Washer				
8X-173	3	#10-32 Hex. Nut				
X-196	3	#10 Lock Washer				
X-295	1	BALL BEARING - S.A.E. #203				
X-489	1	1/4 Oiler - Press in Type				
8X-1003	3	#10-32x7/8 Rd. Hd. Screw				

Miscellaneous Parts

GBW-1024A	1	Head Band Assembly				
TC-4302A	1	TWO CHARGE REGULATOR				
X-196	4	#10 Lock Washer				
8X-321	4	#10-32x5/16 Rd. Hd. Screw				
X-715	1	#10-32x1 1/4 Rd. Hd. Screw				
8X-794	1	#10-32 Square Nut				
		1	2	3	4	5

(Issued 4-3-39)

UNIT	APPLICATION
GCS-4813A	Auburn

‡ Service BRUSH SET GDF-2012S.

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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

GCS-4814 GENERATOR PARTS LIST

GCS-4814

Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part					
			1	2	3	4	5
GCS-20	2	Frame Screw					
(GCS-2051)	1	Frame & Field Assembly					
GAL-44	1	Field Connection Ins.					
GAR-211	1	Insulating Bushing					
GCO-29	2	Pole Piece					
GCS-1005A	1	FIELD COIL ASSY.- Comp.					
GCS-1007A	1	Field Coil Assy.-Left					
GAL-289	1	C.B. Lead Assy.					
X-755	1	Terminal					
X-1425	1	Terminal					
X-976	1	Terminal					
GCS-1008A	1	Field Coil Assy.-Right					
X-767	1	Terminal					
GK-38	2	Pole Piece Screw					
MN-21	2	Dowel Pin					
X-199	2	1/4 Lock Washer					

Comm. End Plate Assy. & Parts Used With

DA-39	2	Flat Oil Guard					
DA-132	1	Felt Washer					
GAB-188	1	Felt Washer					
GAR-82	1	Air Deflector					
GAR-83	1	Comm. End Cap Cover					
GBJ-25	1	End Cap Cover Gasket					
(GCM-2035)	1	Comm. End Plate Assembly					
G CJ-51	1	3rd Brush Plate Retaining Spring					
G CJ-1012†	2	Brush - Main					
G CJ-1013†	1	Brush - Third					
G CJ-1014	1	3rd Brush Plate Assy.					
GBW-45	1	Brush Spring					
G CJ-26	1	Brush Arm					
GCM-1035	1	C. E. Plate Part Assy.					
GBW-45	2	Brush Spring					
G CJ-26	2	Brush Arm					
X-195	1	#8 Lock Washer					
8X-305	1	#8-32x1/4 Rd. Hd. Screw					
8X-311	1	#10-32x3/8 Rd. Hd. Sc.					
GR-32	1	Felt Washer Retainer					
X-62	6	#10-32x3/8 Flat Hd. Screw					
X-195	2	#8 Lock Washer					
X-295	1	BALL BEARING - S.A.E. #203					
8X-305	2	#8-32x1/4 Rd. Hd. Screw					
X-489	1	1/4 Oiler - Press in Type					

Armature Assembly & Parts Used With

GAR-1177	1	Oil Thrower Assembly					
GBM-21	1	Armature Shaft Nut					
GCS-2038F	1	ARMATURE ASSEMBLY					
GAR-171	1	Snap Ring					
SP-96	1	Ventilating Fan					
X-156	1	1/2-20 Castellated Nut					
X-258	1	#3 Woodruff Key					
X-263	1	#8 Woodruff Key					
X-358	1	1/2 Plain Steel Washer					
X-404	1	3/32x1 Cotter Pin					
X-864	1	.669 Lock Washer					
			1	2	3	4	5

Drive End Head Assy. & Parts Used With

Part No.	No. Used	Name of Part					
			1	2	3	4	5
GAR-1096	1	Drive End Head Assembly					
GAR-95	1	Felt Washer					
GAR-96	1	Drive End Head					
GX-9	1	D. E. Packing Retainer					
GX-10	1	Gasket					
X-196	3	#10 Lock Washer					
8X-311	3	#10-32x3/8 Rd. Hd. Sc.					
X-378	1	BALL BRG.- S.A.E. #204 Oil Seal					

Miscellaneous Parts

GBW-1024A	1	Head Band Assembly					
TC-4302A	1	TWO CHARGE REGULATOR					
X-196	4	#10 Lock Washer					
8X-321	4	#10-32x5/16 Rd. Hd. Sc.					
X-715	1	#10-32x1 1/4 Rd. Hd. Screw					
8X-794	1	#10-32 Square Nut					
			1	2	3	4	5

(Issued 5-2-40)

† Service BRUSH SET GDF-2012S.

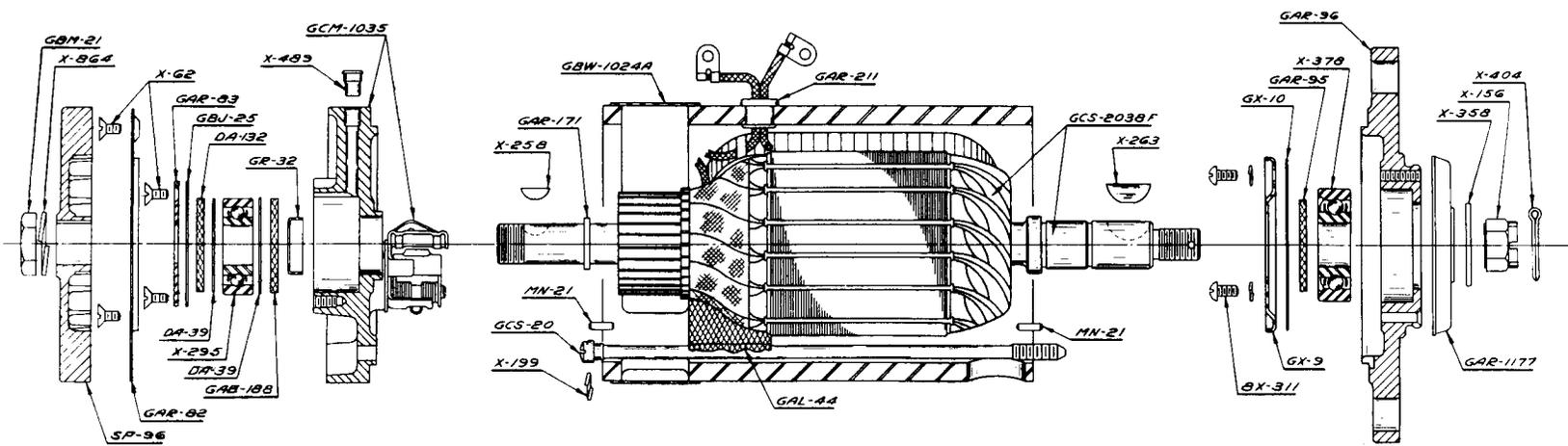
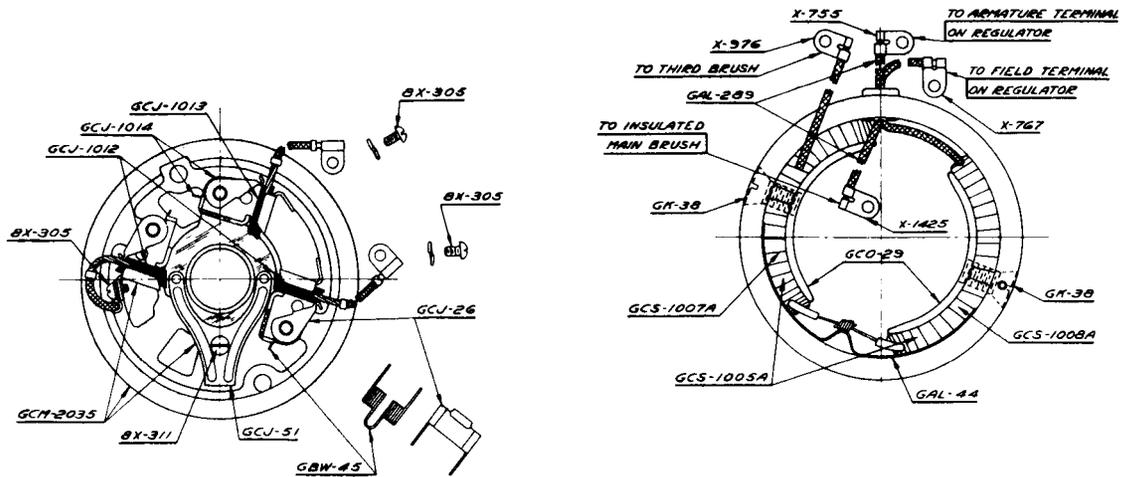
UNIT	APPLICATION
GCS-4814	Hercules, Worthington

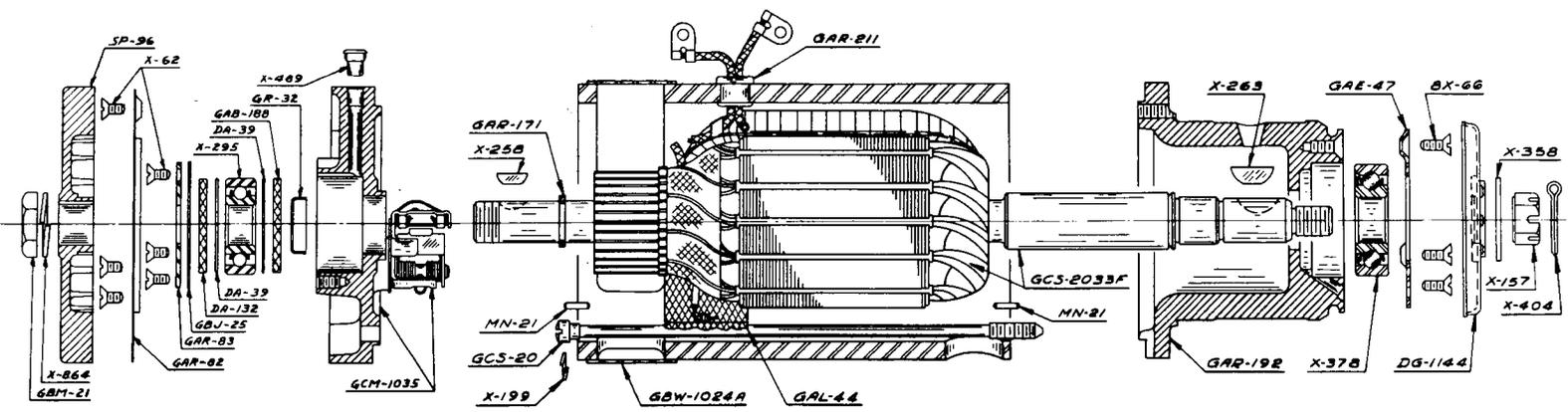
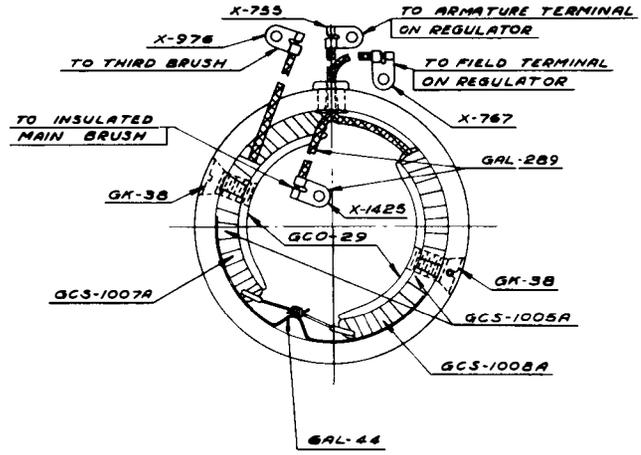
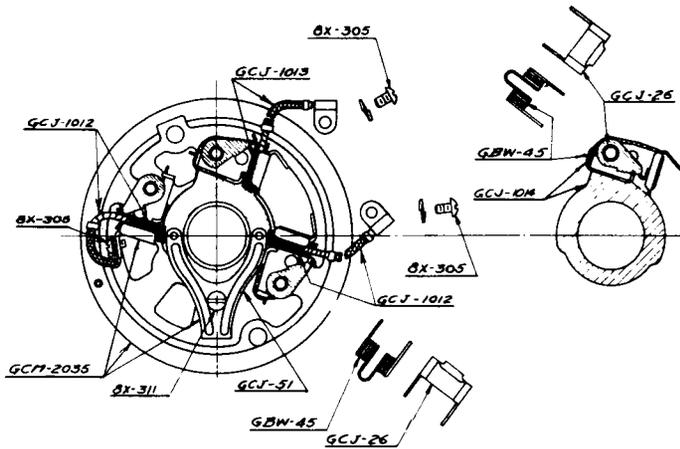
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Equipment & Parts List Binder

"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."

GCS-4814 GENERATOR ILLUSTRATION





GCS-4815 GENERATOR ILLUSTRATION

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GCT-4803 GENERATOR PARTS LIST

GCT-4803

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				
		1	2	3	4	5			1	2	3	4	5
(GCT-2054)	1	Frame & Field Assy.					GCJ-1013‡	1	Brush, Third				
GAA-31	1	Bushing, Ins., Arm. Term.					GCJ-1014	1	Plate Assy., 3rd Brush				
GAA-32	1	Washer, Ins., Arm. Term.					GBW-45	1	Spring, Brush				
GAG-125S	1	Bracket, Mounting					GCJ-26	1	Arm, Brush				
GAL-44	1	Insulation, Field Connection					GCJ-1056A	1	Head Assy., Partial, C.E.				
GBF-54	1	Bushing, Ins., Field Term.					GBF-79	1	Bearing, Absorbent Bronze				
GBW-34	1	Washer, Ins., Field Term.					GBW-45	2	Spring, Brush				
GBW-40	1	Lead Assy.					GCJ-26	2	Arm, Brush				
GAA-27	1	Stud, Arm. Terminal, #14-24					X-195	4	Washer, Lock, Cover Sc., #8				
X-847	1	Terminal					8X-311	1	Screw, Plate Retaining, Rd. hd., #10-32x3/8				
GBW-66	1	Insulation, Arm. Terminal, Inner					8X-888	4	Screw, Cover, Fil. hd., #8-32x5/16				
GBW-67	1	Insulation, Field Terminal, Inner					X-195	3	Washer, Lock, Brush Lead, #8				
GCT-1005	1	Coil Assy., Field, Comp.					8X-1507	3	Screw, Brush Lead, Bdg. hd., #8-32x1/4				
GBW-58	1	Stud, Field Term., #10-32					<u>Armature Assembly & Parts Used With</u>						
GCT-1007	1	Coil Assy., Field, Left					GCT-2055	1	Armature Assy.				
X-976	1	Terminal					GAR-171	1	Snap Ring				
GCT-1008	1	Coil, Field, Right					GJ-104	1	Spacer, Armature Shaft				
GK-38	2	Screw, Pole Shoe					GJ-179	1	Washer, Plain, Armature Shaft				
MN-21	2	Pin, Dowel, Head Locating					X-160	1	Nut, Armature Shaft, Hex., 7/16-20				
8X-113	2	Screw, Bracket, Hex. hd., 5/16-24x5/8					X-205	1	Washer, Lock, Armature Shaft, 7/16				
5X-177	2	Nut, Arm. Term., Hex., #14-24					X-261	1	Key, Woodruff, #6				
X-193	2	Washer, Lock, Arm. Term., #14					<u>Drive End Head Assembly & Parts Used With</u>						
X-196	2	Washer, Lock, Field Term., #10					GAL-1063A	1	Head Assy., Drive End				
X-203	2	Washer, Lock, Bracket Sc., 5/16					GAL-63	1	Head				
8X-349	1	Washer, Plain, Field Term., #10					GG-6	2	Retainer, Bearing				
8X-361	1	Washer, Plain, Arm. Term., #10					GG-164	1	Washer, Felt				
5X-1377	2	Nut, Field Term., Hex., #10-32					GK-176	1	Retainer, Felt Washer				
GK-20	2	Bolt, Thru					8X-173	3	Nut, Retainer Screw, Hex., #10-32				
X-196	1	Washer, Lock, Ground Sc., #10					X-196	3	Washer, Lock, Retainer Screw, #10				
X-199	2	Washer, Lock, Thru Bolt, 1/4					8X-316	3	Screw, Retainer, Rd. hd., #10-32x3/4				
8X-321	1	Screw, Ground, Rd. hd., #10-32x5/16					X-441	1	Bearing, Ball, Shielded, S.A.E. #203				
<u>Comm. End Head Assembly & Parts Used With</u>					<u>Miscellaneous Parts</u>								
(GCJ-2056)	1	Head Assy., Comm. End					GBW-24B	1	Band, Cover				
GAR-73	1	Wick, Felt					X-715	1	Screw, Cover Band, Rd. hd., #10-32x1 1/4				
GAR-98A	1	Cover, Wick					8X-794	1	Nut, Cover Band, Square, #10-32 1 2 3 4 5				
GBW-69	1	Gasket, Comm. End, Cover					(Issued 3-15-44)						
GBW-72	1	Oil Guard											
GBW-73	1	Gasket, Oil Guard											
GBW-1068	1	Cover, Comm. End											
GCJ-51	1	Spring, Retaining, 3rd Brush Plate											
GCJ-1012‡	2	Brush, Main											
		1	2	3	4	5							

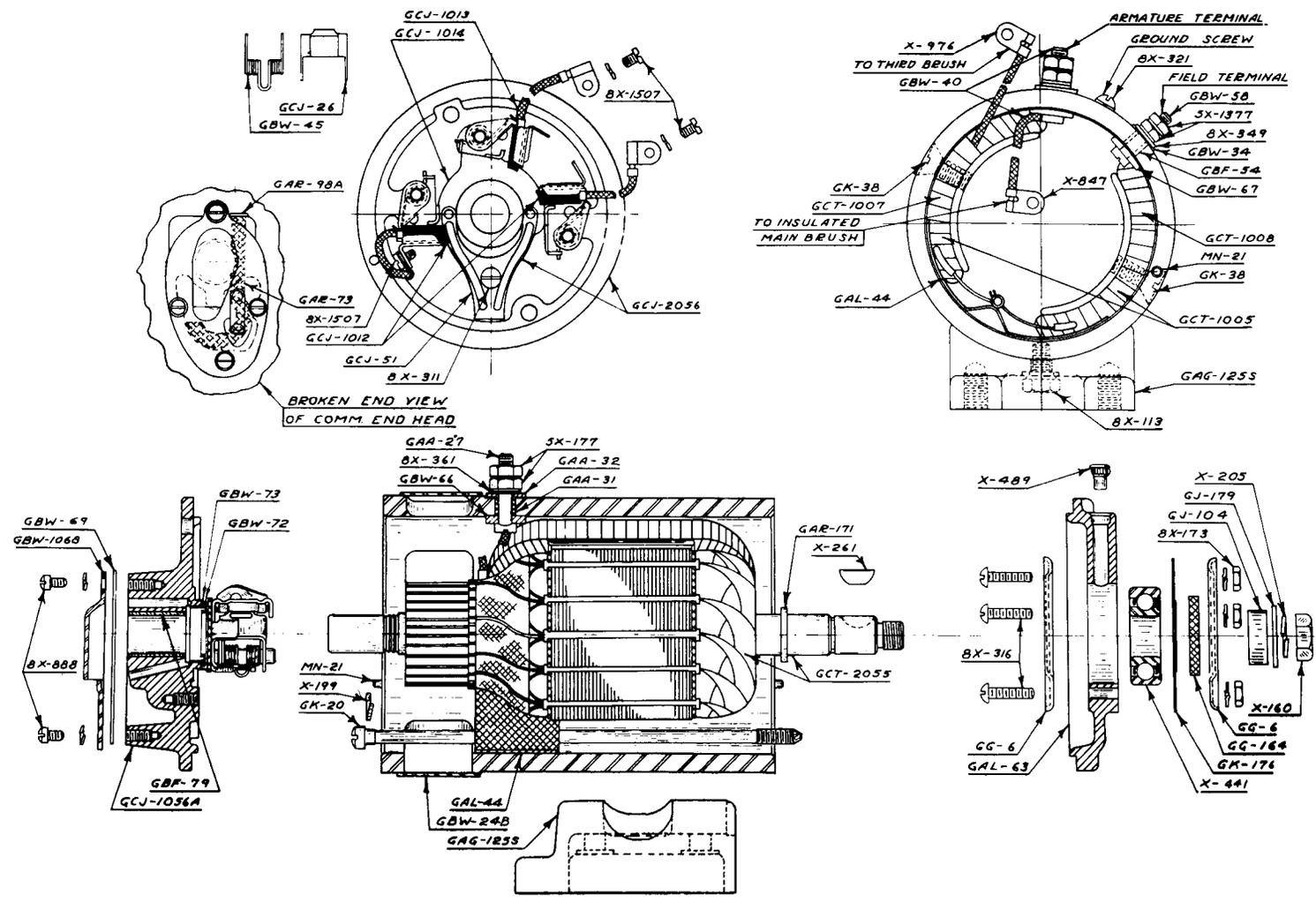
‡ Brush Set, Service, GCJ-2012S.

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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."

File in
Equipment & Part. List Binder

GCT-4803 GENERATOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GCT-4812A-1,B-1 GENERATOR PARTS LIST

GCT-4812A-1, B-1

<u>Frame & Field Assembly & Parts Used With</u>		
Part No.	No. Used	Name of Part
(GCT-2039)	1	Frame & Field Assy.
GAA-32	2	Washer, Ins., Arm. Term.
GAL-44	1	Insulation, Field Connection
GBW-34	1	Washer, Ins., Field Term.
GBW-40	1	Lead Assy.
GAA-27	1	Stud, Arm. Term., #14-24
X-847	1	Terminal
GBW-66	1	Insulation, Arm. Term., Inner
GBW-67	1	Insulation, Field Term., Inner
GCT-25	2	Bushing, Ins., Arm. Term.
GCT-1005C	1	COIL ASSY., FIELD, COMPLETE
GCT-1007	1	Coil Assy., Field, Left
X-976	1	Terminal
GCT-1008C	1	Coil Assy., Field, Right
GCT-33	1	Lead Assy.
GAA-27	1	Stud, Arm. Term., #14-24
X-847	1	Terminal
GEB-58	1	Stud, Field Term., #10-32
GCY-25	1	Bushing, Ins., Field Term.
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
5X-177	4	Nut, Arm. Term., Hex. #14-24
12X-193	4	Lockwasher, Arm. Term., #14
12X-196	2	Lockwasher, Field Term., #10
8X-349	1	Washer, Field Term., Plain #10
8X-361	2	Washer, Arm. Term., Plain 1/4
5X-1377	2	Nut, Field Term., Hex. #10-32
GK-20A	2	Bolt, Thru
12X-199	2	Lockwasher, Thru Bolt, 1/4
<u>Comm. End Head Assembly & Parts Used With</u>		
GCJ-2002F	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBW-69	1	Gasket, C.E. Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Retaining
GBW-1068	1	Cover, Comm. End
GCJ-51	1	Spring, Retaining, 3rd Brush Plate
GCJ-1002M	1	Head Assy., Partial, C.E.
GBF-79	1	BEARING, ABS. BRONZE
GBW-45	2	Spring, Brush
GCJ-26	2	Arm, Brush

<u>Comm. End Head Assy. (Continued)</u>		
Part No.	No. Used	Name of Part
GCJ-1012 †	2	Brush, Main
GCJ-1013 †	1	Brush, Third
GCJ-1014	1	Plate Assy., 3rd Brush
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
X-195	4	Lockwasher, Cover Sc., #8
8X-311	1	Screw, Spring, Rd. Hd. #10-32x3/8
8X-888	4	Screw, C.E. Cover, Fill. Hd. #8-32x5/16
12X-195	3	Lockwasher, Brush Lead Sc., #8
8X-1507	3	Screw, Brush Lead, Bdg. Hd. #8-32x1/4

<u>Armature Assembly & Parts Used With</u>		
GBM-21B	1	Nut, Arm. Shaft
GCT-2006	1	ARMATURE ASSY.
GAR-171	1	Snap Ring
GR-32	1	Retainer, Felt Washer
*	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
8X-864	1	Lockwasher, Shaft

<u>Drive End Head Assy. & Parts Used With</u>		
GBJ-1003C	1	Head Assy., Drive End
GAR-63	2	Retainer, Felt Washer
GAR-64	2	Retainer, Bearing
GBJ-3C	1	Head
GG-164	2	Washer, Felt
8X-173	3	Nut, Retainer Sc., Hex. #10-32
X-196	3	Lockwasher, Retainer Sc., #10
X-295	1	BEARING, BALL, S.A.E. #203
X-489	1	Oiler
8X-1003	3	Screw, Retainer, Rd. Hd. #10-32x7/8

<u>Miscellaneous Parts</u>		
GBW-24B	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GCJ-2012S.
 * See table following parts list for part number applying to assembly wanted.

NOTE: VRT-4003A-1 CURRENT VOLTAGE REGULATOR is used with but is not a part of this generator.

Assembly No.	Pulley
GCT-4812A-1	SP-336
GCT-4812B-1	SP-266
UNIT	APPLICATION
GCT-4812A-1,B-1	Hill Diesel

(Issued 10-15-48)

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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

GCU-4801 GENERATOR PARTS LIST

GCU-4801

Frame & Field Assembly & Parts Used With						
Part No.	No. Used	Name of Part				
		1	2	3	4	5
GCO-20A	2	Bolt, Thru				
(GCU-2051)	1	Frame & Field Assy.				
GAL-44	1	Insulation, Field Connection				
GAR-211	1	Bushing, Insulating				
GCU-1005	1	Coil Assy., Field, Comp.				
GCU-1007	1	Coil Assy., Field, Left				
GAL-289	1	Lead Assy.				
X-755	1	Terminal				
X-1425	1	Terminal				
X-976	1	Terminal				
GCU-1008	1	Coil Assy., Field, Right				
X-767	1	Terminal				
GK-38	2	Screw, Pole Shoe				
MN-21	2	Pin, Dowel, Head Locating				
X-199	2	Washer, Lock, Thru Bolt, 1/4				
Comm. End Head Assembly & Parts Used With						
DA-39	2	Washer, Plain, Felt Retaining				
DA-132	1	Washer, Felt, C.E., Outer				
GAB-188	1	Washer, Felt, C.E., Inner				
GAR-82	1	Deflector, Air				
GAR-83A	1	Cover, Comm. End				
GBJ-25	1	Gasket, Comm. End Cover				
(GCM-2035)	1	Head Assy., Comm. End				
GCJ-51	1	Spring, Retaining, 3rd				
		Brush Plate				
GCJ-1012†	2	Brush, Main				
GCJ-1013†	1	Brush, Third				
GCJ-1014	1	Plate Assy., 3rd Brush				
GBW-45	1	Spring, Brush				
GCJ-26	1	Arm, Brush				
GCM-1035	1	Head Assy., Partial, C.E.				
GBW-45	2	Spring, Brush				
GCJ-26	2	Arm, Brush				
8X-311	1	Screw, Plate Retaining, Rd. hd., #10-32x3/8				
8X-66	3	Screw, Air Deflector, Flat hd., #10-32x1/2				
X-195	3	Washer, Lock, Brush Lead, #8				
X-295	1	Bearing, Ball, S.A.E. #203				
8X-305	3	Screw, Brush Lead, Rd. hd., #8-32x1/4				
X-489	1	Oiler, Hinge Top, Press in, 1/4				
8X-726	3	Screw, Attaching, C.E. Cover, Bdg. hd., #10-32x7/16				
X-1270	3	Washer, Skpf., C.E. Cover Sc., #10				
X-1621	3	Washer, Skpf., Air Deflector Screw, #10				
		1	2	3	4	5

Armature Assembly & Parts Used With						
Part No.	No. Used	Name of Part				
		1	2	3	4	5
DG-1144	1	Oil Thrower				
GBM-21	1	Nut, Armature Shaft				
GCR-2033F	1	Armature Assy.				
GAR-171	1	Snap Ring				
GR-32	1	Retainer, Felt Washer				
SP-96C	1	Fan, Ventilating				
X-157	1	Nut, Armature Shaft, Hex., 1/2-20				
X-258	1	Key, Woodruff, #3				
X-263	1	Key, Woodruff, #8				
X-358	1	Washer, Plain, Arm. Shaft, 1/2				
X-404	1	Pin, Cotter, 3/32x1				
X-864	1	Washer, Lock, Arm. Shaft, .669				

Drive End Head Assembly & Parts Used With						
Part No.	No. Used	Name of Part				
GAR-1192	1	Head Assy., Drive End				
GAE-47	1	Retainer, Bearing				
GAR-192	1	Head				
8X-66	3	Screw, Retainer, Flat hd., #10-32x1/2				
X-378	1	Bearing, Ball, Shielded, S.A.E. #204				
X-1621	3	Washer, Skpf., Retainer Sc., #10				

Miscellaneous Parts						
Part No.	No. Used	Name of Part				
GBW-1024B	1	Band, Cover				
TC-4310A	1	Regulator				
X-196	4	Washer, Lock, Regulator Mtg., #10				
8X-321	4	Screw, Mtg., Regulator, Rd. hd., #10-32x5/16				
X-715	1	Screw, Cover Band, Rd. hd., #10-32x1 1/4				
8X-794	1	Nut, Cover Band, Square, #10-32				
		1	2	3	4	5

(Issued 3-15-44)

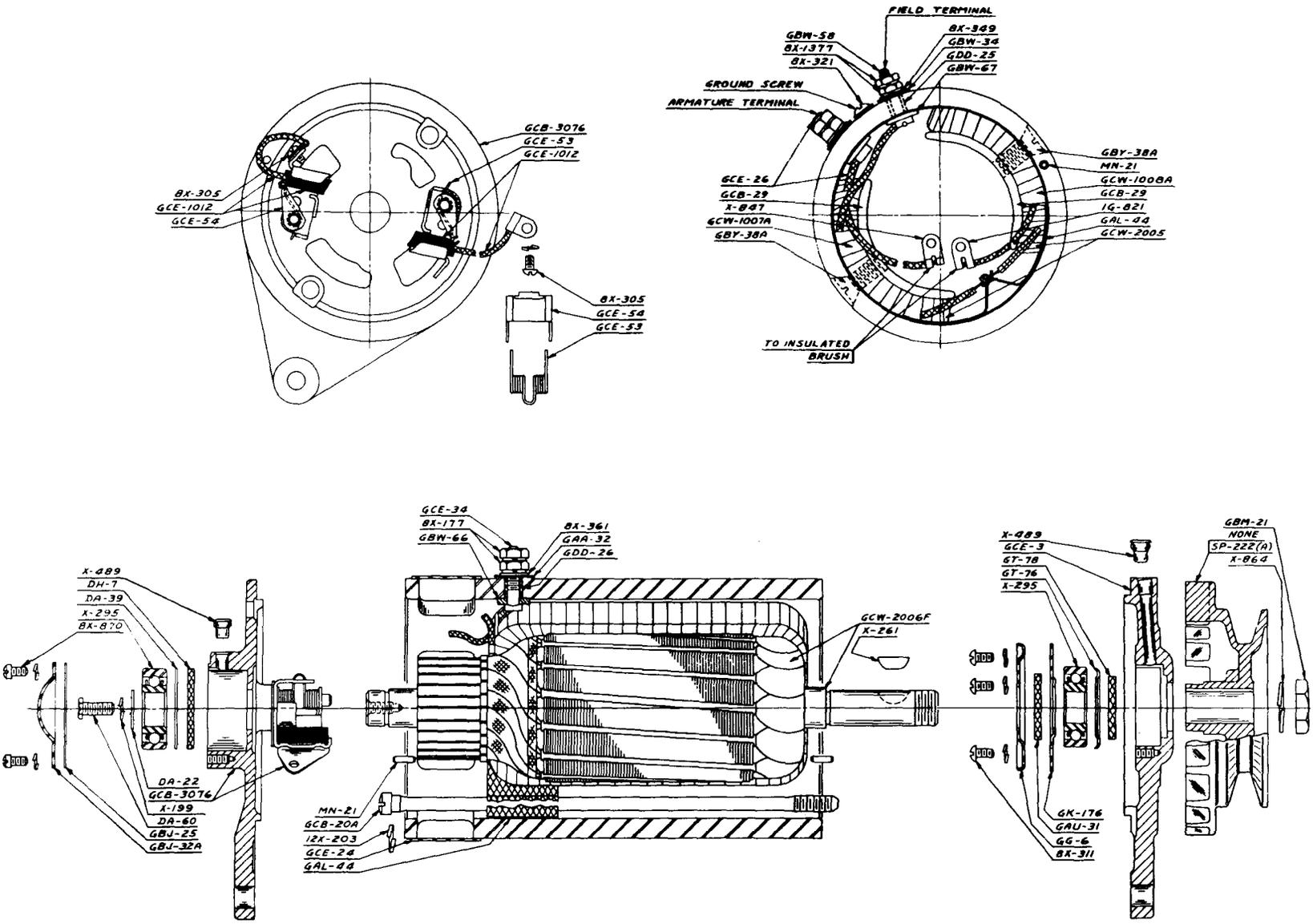
† Brush Set, Service, GCJ-2012S.

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

File in
Equipment & Parts List Binder

GCW-4802A GENERATOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GCW-4802,A GENERATOR PARTS LIST

GCW-4802,A

Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part					
			1	2	3	4	5
GCB-20A	2	Frame Screw					
(GCW-3056)	1	Frame & Field Assembly					
GAA-32	1	Terminal Post Top Ins.					
GAL-44	1	Field Connection Ins.					
GBW-34	1	Insulating Washer					
GBW-58	1	Terminal Post					
GBW-66	1	Term. Post Bottom Ins.					
GBW-67	1	Term. Post Bottom Ins.					
GBY-38A	4	Pole Piece Screw					
GCB-29	2	Pole Piece					
GCW-2005	1	FIELD COIL ASSY.- COMP.					
GCW-1007A	1	Field Coil Assy.-Left					
GCE-26	1	Control Lead					
GCE-34	1	Terminal Post					
X-847	1	Terminal					
GCW-1008A	1	Field Coil Assy.-Right					
IG-821	1	Terminal					
GDD-25	1	Insulating Bushing					
GDD-26	1	Insulating Bushing					
MN-21	2	Dowel Pin					
8X-177	1	#14-24 Hex. Nut					
12X-193	1	#14 Lock Washer					
12X-196	1	#10 Lock Washer					
8X-349	1	#10 Plain Washer					
8X-361	1	1/4 Plain Washer					
8X-1377	1	#10-32 Hex. Nut					
8X-177	1	#14-24 Hex. Nut					
12X-193	1	#14 Lock Washer					
12X-196	2	#10 Lock Washer					
12X-203	2	5/16 Lock Washer					
8X-321	1	#10-32x5/16 Rd. Hd. Screw					
8X-1377	1	#10-32 Hex. Nut					

Comm. End Plate Assy. & Parts Used With

DA-22	1	Bearing Retaining Washer					
DA-39	1	Flat Oil Guard					
DA-60	1	Bearing Retaining Screw					
DH-7	1	Felt Washer					
GBJ-25	1	End Cap Cover Gasket					
GBJ-32A	1	Comm. End Cap Cover					
GCB-3076	1	Comm. End Plate Assembly					
GCE-53	2	Brush Spring					
GCE-54	2	Brush Arm					
GCE-1012†	2	Brush - Main					
X-195	1	#8 Lock Washer					
8X-305	1	#8-32x1/4 Rd. Hd. Screw					
X-195	1	#8 Lock Washer					
X-199	1	1/4 Lock Washer					
X-295	1	BALL BEARING - S.A.E. #203					
8X-305	1	#8-32x1/4 Rd. Hd. Screw					
X-489	1	1/4 Oiler - Press in Type					
12X-544	3	#10 Lock Washer					
8X-870	3	#10-32x5/16 Fill. Hd. Screw					
			1	2	3	4	5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part					
			1	2	3	4	5
GBM-21	1	Armature Shaft Nut					
GCW-2006F	1	ARMATURE ASSEMBLY					
*	1	Drive Pulley					
X-261	1	#6 Woodruff Key					
X-864	1	.669 Lock Washer					

Drive End Head Assy. & Parts Used With

GCE-1003	1	Drive End Head Assembly					
GAU-31	1	Felt Washer					
GCE-3	1	Drive End Head					
GG-6	1	Bearing Retainer					
GK-176	1	Felt Washer Retainer					
GT-76	1	Felt Washer Retainer					
GT-78	1	Felt Washer					
X-196	3	#10 Lock Washer					
X-295	1	BALL BRG.- S.A.E. #203					
8X-311	3	#10-32x3/8 Rd. Hd. Sc.					
X-489	1	1/4 Oiler - Press in Type					

Miscellaneous Parts

GCE-24	1	Head Band Assembly					
8X-715	1	#10-32x1 1/4 Rd. Hd. Screw					
8X-794	1	#10-32 Square Nut					
			1	2	3	4	5

(Issued 8-21-39)

Assembly No.	Drive Pulley
GCW-4802	None
GCW-4802A	SP-222

NOTE:- VRE-4001C CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

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

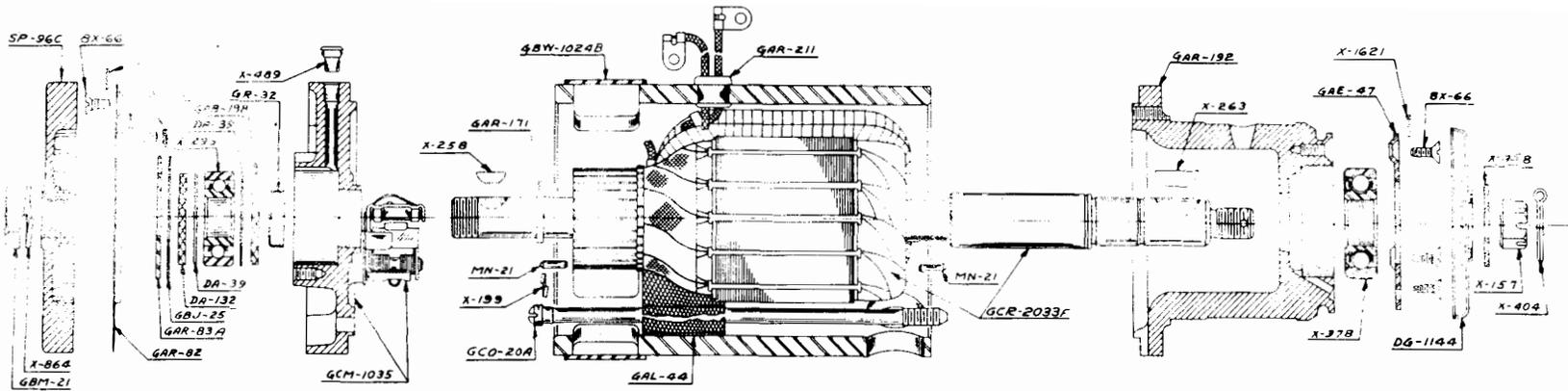
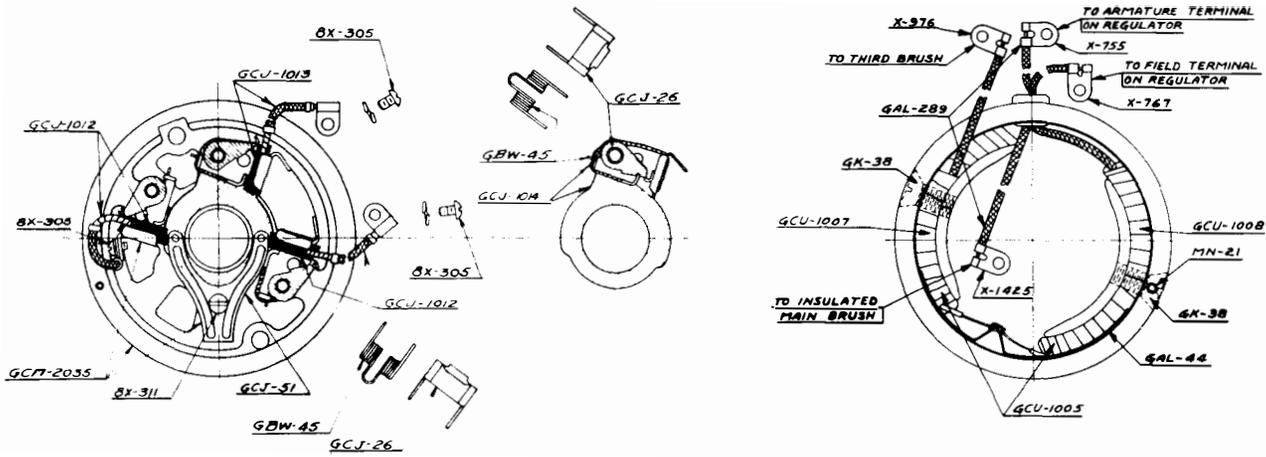
† Service BRUSH SET GCE-2012S.

UNIT	APPLICATION
GCW-4802,A	Chrysler Marine

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."



GCU-4801 GENERATOR ILLUSTRATION

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GCU-4801 GENERATOR PARTS LIST

GCU-4801

Frame & Field Assembly & Parts Used With						
Part No.	No. Used	Name of Part				
		1	2	3	4	5
GCO-20A	2	Bolt, Thru				
(GCU-2051)	1	Frame & Field Assy.				
GAL-44	1	Insulation, Field Connection				
GAR-211	1	Bushing, Insulating				
GCU-1005	1	Coil Assy., Field, Comp.				
GCU-1007	1	Coil Assy., Field, Left				
GAL-289	1	Lead Assy.				
X-755	1	Terminal				
X-1425	1	Terminal				
X-976	1	Terminal				
GCU-1008	1	Coil Assy., Field, Right				
X-767	1	Terminal				
GK-38	2	Screw, Pole Shoe				
MN-21	2	Pin, Dowel, Head Locating				
X-199	2	Washer, Lock, Thru Bolt, 1/4				
Comm. End Head Assembly & Parts Used With						
DA-39	2	Washer, Plain, Felt Retaining				
DA-132	1	Washer, Felt, C.E., Outer				
GAB-188	1	Washer, Felt, C.E., Inner				
GAR-82	1	Deflector, Air				
GAR-83A	1	Cover, Comm. End				
GBJ-25	1	Gasket, Comm. End Cover				
(GCM-2035)	1	Head Assy., Comm. End				
GCJ-51	1	Spring, Retaining, 3rd				
		Brush Plate				
GCJ-1012†	2	Brush, Main				
GCJ-1013†	1	Brush, Third				
GCJ-1014	1	Plate Assy., 3rd Brush				
GBW-45	1	Spring, Brush				
GCJ-26	1	Arm, Brush				
GCM-1035	1	Head Assy., Partial, C.E.				
GBW-45	2	Spring, Brush				
GCJ-26	2	Arm, Brush				
8X-311	1	Screw, Plate Retaining, Rd. hd., #10-32x3/8				
8X-66	3	Screw, Air Deflector, Flat hd., #10-32x1/2				
X-195	3	Washer, Lock, Brush Lead, #8				
X-295	1	Bearing, Ball, S.A.E. #203				
8X-305	3	Screw, Brush Lead, Rd. hd., #8-32x1/4				
X-489	1	Oiler, Hinge Top, Press in, 1/4				
8X-726	3	Screw, Attaching, C.E. Cover, Bdg. hd., #10-32x7/16				
X-1270	3	Washer, Skpf., C.E. Cover Sc., #10				
X-1621	3	Washer, Skpf., Air Deflector Screw, #10				
		1	2	3	4	5

Armature Assembly & Parts Used With						
Part No.	No. Used	Name of Part				
		1	2	3	4	5
DG-1144	1	Oil Thrower				
GBM-21	1	Nut, Armature Shaft				
GCR-2033F	1	Armature Assy.				
GAR-171	1	Snap Ring				
GR-32	1	Retainer, Felt Washer				
SP-96C	1	Fan, Ventilating				
X-157	1	Nut, Armature Shaft, Hex., 1/2-20				
X-258	1	Key, Woodruff, #3				
X-263	1	Key, Woodruff, #8				
X-358	1	Washer, Plain, Arm. Shaft, 1/2				
X-404	1	Pin, Cotter, 3/32x1				
X-864	1	Washer, Lock, Arm. Shaft, .669				

Drive End Head Assembly & Parts Used With						
Part No.	No. Used	Name of Part				
GAR-1192	1	Head Assy., Drive End				
GAE-47	1	Retainer, Bearing				
GAR-192	1	Head				
8X-66	3	Screw, Retainer, Flat hd., #10-32x1/2				
X-378	1	Bearing, Ball, Shielded, S.A.E. #204				
X-1621	3	Washer, Skpf., Retainer Sc., #10				

Miscellaneous Parts						
Part No.	No. Used	Name of Part				
GBW-1024B	1	Band, Cover				
TC-4310A	1	Regulator				
X-196	4	Washer, Lock, Regulator Mtg., #10				
8X-321	4	Screw, Mtg., Regulator, Rd. hd., #10-32x5/16				
X-715	1	Screw, Cover Band, Rd. hd., #10-32x1 1/4				
8X-794	1	Nut, Cover Band, Square, #10-32				
		1	2	3	4	5

(Issued 3-15-44)

† Brush Set, Service, GCJ-2012S.

Printed in U. S. A.

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

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ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GCW-4804A GENERATOR PARTS LIST

GCW-4804A

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part				
		1	2	3	4	5
GCB-20	2					Frame Screw
(GCW-2030A)	1					Frame & Field Assy.
GAA-32	1					Terminal Post Top Ins.
GAL-44	1					Field Connection Ins.
GEW-34	1					Insulating Washer
GEW-58	1					Terminal Post
GEW-66	1					Terminal Post Bottom Ins.
GEW-67	1					Terminal Post Ins.
GBY-38	4					Pole Piece Screw
GCB-29	2					Pole Piece
GCW-1005	1					Field Coil Assy. - Comp.
GCW-1007	1					Field Coil Assy.-Left
GCE-26	1					Control Lead
GCE-34	1					Terminal Post
X-847	1					Terminal
IG-821	1					Terminal
GCW-1008	1					Field Coil - Right
GDD-25	1					Insulating Bushing
GDD-26	1					Insulating Bushing
MN-21	2					Dowel Pin
5X-177	1					#14-24 Hex. Nut
X-193	1					#14 Lock Washer
X-196	1					#10 Lock Washer
8X-349	1					#10 Plain Washer
8X-361	1					1/4 Plain Washer
5X-1377	1					#10-32 Hex. Nut
5X-177	1					#14-24 Hex. Nut
X-193	1					#14 Lock Washer
X-196	2					#10 Lock Washer
X-203	2					5/16 Lock Washer
8X-321	1					#10-32x5/16 Rd. Hd. Sc.
5X-1377	1					#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

DA-22	1	Bearing Retaining Washer
DA-39	1	Flat Oil Guard
DA-60	1	Bearing Retaining Screw
DH-7	1	Felt Washer
GBJ-25	1	End Cap Cover Gasket
GBJ-32	1	Comm. End Cap Cover
GCE-2002E	1	Comm. End Plate Assy.
GCE-53	2	Brush Spring
GCE-54	2	Brush Arm
GCE-1012†	2	Brush - Main
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Sc.
X-195	1	#8 Lock Washer
X-199	1	1/4 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
8X-305	1	#8-32x1/4 Rd. Hd. Sc.
X-489	1	1/4 Oiler - Press in Type
8X-544	3	#10 Lock Washer
X-870	3	#10-32x5/16 Fill. Hd. Sc.
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part				
		1	2	3	4	5
GBM-21	1					Armature Shaft Nut
GCW-2060F	1					Armature Assembly
SP-251	1					Ventilating Fan
X-258	1					#3 Woodruff Key
X-261	1					#6 Woodruff Key
X-864	1					.669 Lock Washer

Drive End Head Assembly & Parts Used With

GCE-1003C	1	Drive End Head Assy.
GAU-31	1	Felt Washer
GCE-3C	1	Drive End Head
GG-6	1	Bearing Retainer
GK-176	1	Felt Washer Retainer
GT-76	1	Felt Washer Retainer
GT-78	1	Felt Washer
X-196	3	#10 Lock Washer
X-295	1	Ball Brg. - S.A.E. #203
8X-311	3	#10-32x3/8 Rd. Hd. Sc.
X-489	1	1/4 Oiler - Press in Type

Miscellaneous Parts

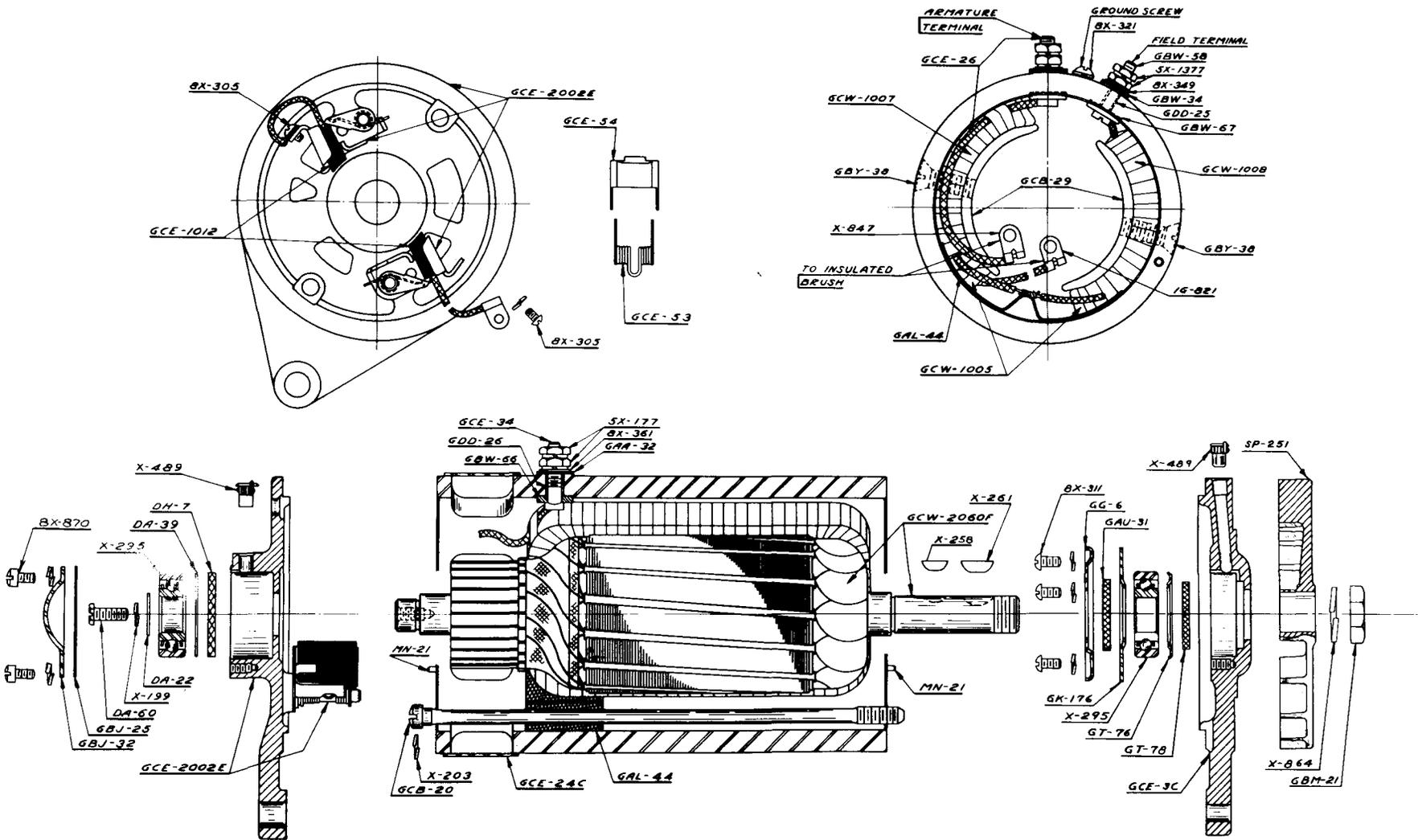
GCE-24C	1	Head Band
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

(Issued 12-6-37)

NOTE:- VRE-4002B Current Voltage Regulator is used with but is not a part of this generator.

† Service Brush Set GCE-2012S.

GCW-4804A GENERATOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GCX-4501 GENERATOR PARTS LIST

GCX-4501

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part				
		1	2	3	4	5
GCX-20	2	Frame Screw				
(GCX-2001)	1	Frame & Field Assy.				
GAL-44	1	Field Connection Ins.				
GCX-28	1	Insulating Bushing				
GCX-29	2	Pole Piece				
GCX-1005	1	Field Coil Assy.-Comp.				
GCX-1007	1	Field Coil Assy.-Left				
X-946	1	Terminal				
GCX-1008	1	Field Coil Assy.-Right				
X-947	1	Terminal				
GK-39	4	Pole Piece Screw				
MN-21	2	Dowel Pin				
X-199	2	1/4 Lock Washer				
<u>Comm. End Plate Assembly & Parts Used With</u>						
GAS-69	1	Comm. End Cap Cover				
GAS-70	1	End Cap Cover Gasket				
GAS-71	1	Bearing Retaining Washer				
(GCX-2002)	1	Comm. End Plate Assy.				
GAL-121	2	Brush - Main				
GAL-199	2	Brush Screw Block				
GAL-204	1	Ground Connector Assy.				
X-958	2	Terminal				
GAL-205	2	3rd Brush Plate Retaining Spring				
GAL-242	2	Brush Holder				
GAL-2187B	1	3rd Brush Holder Plate Assy.				
GAL-199	1	Brush Screw Block				
GAL-242	1	Brush Holder				
GAL-1187A	1	3rd Brush Plate Part Assy.				
GAR-131	1	Brush - Third				
GCX-19	1	Brush Spring				
BX-59	1	#8-32x3/16 Rd. Hd. Sc.				
X-195	1	#8 Lock Washer				
X-1276	1	#8 Skpf. Washer				
BX-1505	1	#8-32x9/16 Binding Head Screw				
GCX-19	2	Brush Spring				
GCX-1002	1	C.E. Plate Part Assy.				
BX-59	2	#8-32x3/16 Rd. Hd. Sc.				
BX-63	2	#8-32x3/8 Flat Hd. Sc.				
X-195	4	#8 Lock Washer				
BX-304	1	#8-32x5/16 Rd. Hd. Sc.				
X-1276	1	#8 Skpf. Washer				
BX-1505	2	#8-32x9/16 Binding Hd.Sc.				
		1	2	3	4	5

Comm. End Plate Assembly (Continued)

Part No.	No. Used	Name of Part				
		1	2	3	4	5
BX-61	1	#10-32x7/16 Flat Hd. Screw				
X-63	3	#8-32x3/8 Flat Hd. Screw				
X-1502	1	Ball Bearing - Oil Seal				
<u>Armature Assembly & Parts Used With</u>						
GBM-21	1	Armature Shaft Nut				
GCX-23	1	Armature Shaft Spacer				
GCX-2006F	1	Armature Assembly				
GAR-171	1	Snap Ring				
X-260	1	#5 Woodruff Key				
X-864	1	.669 Lock Washer				

Drive End Head Assembly & Parts Used With

GCX-1003	1	Drive End Head Assembly				
GCX-3	1	D.E. Head				
GG-6	2	Bearing Retainer				
BX-173	3	#10-32 Hex. Nut				
X-196	3	#10 Lock Washer				
BX-316	3	#10-32x3/4 Rd. Hd. Screw				
X-1501	1	Ball Bearing - Oil Seal				

Miscellaneous Parts

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

(Issued 11-1-37)

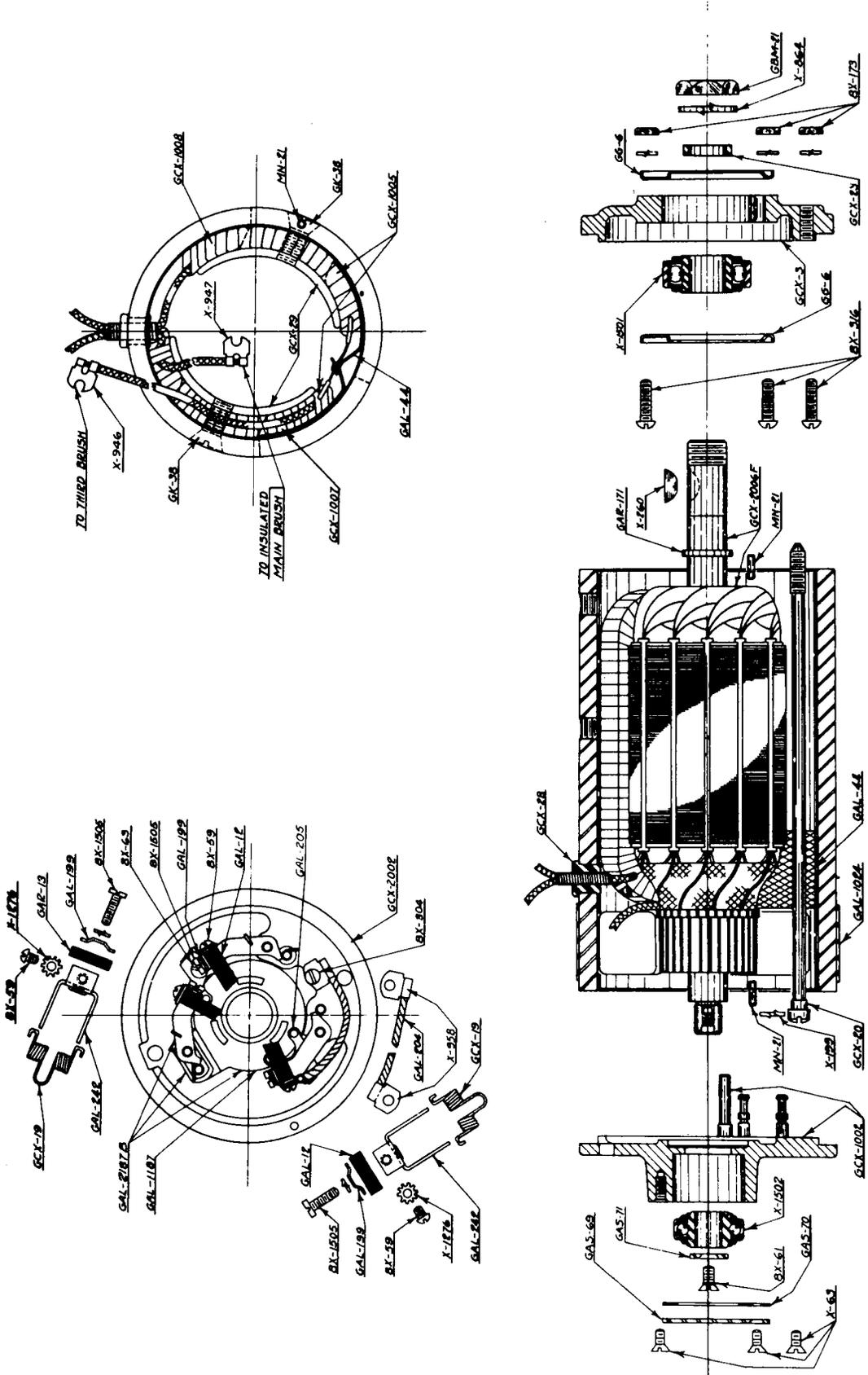
† Service Brush Set GAL-2012A.

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."

GCX-4501 GENERATOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GCX-4502 GENERATOR PARTS LIST

GCX-4502

PRELIMINARY

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part					
			1	2	3	4	5
GCX-20	2	Frame Screw					
(GCX-2032)	1	Frame & Field Assembly					
GAA-30	1	Terminal Post Bottom Ins.					
GAA-32	1	Terminal Post Top Ins.					
GAL-44	1	Field Connection Ins.					
GAM-73	1	Terminal Lead Assembly					
GAA-27	1	Terminal Post					
X-947	1	Terminal					
GCT-25	1	Insulating Bushing					
GCX-29	2	Pole Piece					
GCX-1005A	1	FIELD COIL ASSY.- Comp.					
GCX-1007	1	Field Coil Assy.-Left					
X-946	1	Terminal					
GDG-1008	1	Field Coil Assy.-Right					
X-959	1	Terminal					
GK-38	4	Pole Piece Screw					
MN-21	2	Dowel Pin					
8X-140	1	#6-32 Hex. Nut					
5X-177	1	#14-24 Hex. Nut					
X-193	1	#14 Lock Washer					
X-194	1	#6 Lock Washer					
8X-361	1	1/4 Plain Washer					
8X-1008	1	#6-32x9/16 Rd. Hd. Sc.					
5X-177	1	#14-24 Hex. Nut					
X-193	1	#14 Lock Washer					
X-196	1	#10 Lock Washer					
X-199	2	1/4 Lock Washer					
8X-321	1	#10-32x5/16 Rd. Hd. Screw					

Comm. End Plate Assembly & Parts Used With

GAS-69	1	Comm. End Cap Cover					
GAS-70	1	End Cap Cover Gasket					
GAS-71	1	Bearing Retaining Washer					
(GCX-2002A)	1	Comm. End Plate Assembly					
GAL-12†	2	Brush - Main					
GAL-199	2	Brush Screw Block					
GAL-204	1	Ground Connector Assy.					
X-958	2	Terminal					
GAL-205	2	3rd Brush Plate Retaining Spring					
GAL-242	2	Brush Holder					
GAL-2187B	1	3rd Brush Holder Plate Assembly					
GAL-199	1	Brush Screw Block					
GAL-242	1	Brush Holder					
GAL-1187A	1	3rd Brush Plate Part Assembly					
GAR-13†	1	Brush - Third					
GCX-19	1	Brush Spring					
8X-59	1	#8-32x3/16 Rd. Hd. Sc.					
X-195	1	#8 Lock Washer					
X-1276	1	#8 Skpf. Washer					
8X-1505	1	#8-32x9/16 Bdg. Hd. Sc.					
GCX-19	2	Brush Spring					
GDG-1002	1	C. E. Plate Part Assy.					
8X-59	2	#8-32x3/16 Rd. Hd. Screw					
8X-63	2	#8-32x3/8 Flat Hd. Screw					
X-195	4	#8 Lock Washer					
8X-304	1	#8-32x5/16 Rd. Hd. Screw					
X-1276	1	#8 Skpf. Washer					
8X-1505	2	#8-32x9/16 Bdg. Hd. Sc.					

1 2 3 4 5

Comm. End Plate Assembly (Continued)

Part No.	No. Used	Name of Part					
			1	2	3	4	5
8X-61	1	#10-32x7/16 Flat Hd. Sc.					
X-63	3	#8-32x3/8 Flat Hd. Screw					
X-1502	1	BALL BEARING - Oil Seal					

Armature Assembly & Parts Used With

GBM-21	1	Armature Shaft Nut					
GCX-23	1	Armature Shaft Spacer					
GCX-2006F	1	ARMATURE ASSEMBLY					
GAR-171	1	Snap Ring					
X-260	1	#5 Woodruff Key					
X-864	1	.669 Lock Washer					

Drive End Head Assembly & Parts Used With

GDG-1003	1	Drive End Head Assembly					
GDG-3	1	Drive End Head					
GG-6	2	Bearing Retainer					
8X-173	3	#10-32 Hex. Nut					
X-196	3	#10 Lock Washer					
8X-316	3	#10-32x3/4 Rd. Hd. Screw					
X-1501	1	BALL BEARING - Oil Seal					

Miscellaneous Parts

GBW-24	1	Head Band					
X-715	1	#10-32x1 1/4 Rd. Hd. Screw					
8X-794	1	#10-32 Square Nut					
			1	2	3	4	5

(Issued 4-18-41)

† SERVICE BRUSH SET GAL-2012A.

NOTE:- CBC-4001 CIRCUIT BREAKER is used with but is not a part of this generator.

UNIT	APPLICATION
GCX-4502	Parris Dunn

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

GCX-4503 GENERATOR PARTS LIST

GCX-4503

PRELIMINARY

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part				
		1	2	3	4	5
GAU-20A	2					Frame Screw
(GCX-2033)	1					Frame & Field Assembly
GAA-30	1					Terminal Post Bottom Ins.
GAA-32	1					Terminal Post Top Ins.
GAL-44	1					Field Connection Ins.
GAM-73	1					Terminal Lead Assembly
GAA-27	1					Terminal Post
X-947	1					Terminal
GCT-25	1					Insulating Bushing
GCX-29	2					Pole Piece
GCX-1005A	1					FIELD COIL ASSY.- Comp.
GCX-1007	1					Field Coil Assy.-Left
X-946	1					Terminal
GDG-1008	1					Field Coil Assy.-Right
X-959	1					Terminal
GK-38	4					Pole Piece Screw
MN-21	2					Dowel Pin
8X-140	1					#6-32 Hex. Nut
5X-177	1					#14-24 Hex. Nut
X-193	1					#14 Lock Washer
X-194	1					#6 Lock Washer
8X-361	1					1/4 Plain Washer
8X-1008	1					#6-32x9/16 Rd. Hd. Screw
5X-177	1					#14-24 Hex. Nut
X-193	1					#14 Lock Washer
X-196	1					#10 Lock Washer
X-203	2					5/16 Lock Washer
8X-321	1					#10-32x5/16 Rd. Hd. Screw

Comm. End Plate Assembly & Parts Used With

(GCX-2036)	1					Comm. End Plate Assembly
GAL-12†	2					Brush - Main
GAL-199	2					Brush Screw Block
GAL-204	1					Ground Connector Assy.
X-958	2					Terminal
GAL-205	2					3rd Br. Plate Retaining Spring
GAL-242	2					Brush Holder
GCX-19	2					Brush Spring
GCX-1036	1					C. E. Plate Part Assy.
GCX-2037	1					3rd Brush Holder Plate Assembly
GAL-199	1					Brush Screw Block
GAL-242	1					Brush Holder
GAR-13†	1					Brush - Third
GCX-19	1					Brush Spring
GCX-1037	1					3rd Brush Plate Part Assembly
8X-59	1					#8-32x3/16 Rd. Hd. Sc.
X-195	1					#8 Lock Washer
X-1276	1					#8 Skpf. Lock Washer
8X-1505	1					#8-32x9/16 Bdg. Hd. Sc.
8X-59	2					#8-32x3/16 Rd. Hd. Screw
8X-63	2					#8-32x3/8 Flat Hd. Screw
X-195	4					#8 Lock Washer
8X-304	1					#8-32x5/16 Rd. Hd. Screw
X-1276	1					#8 Skpf. Washer
8X-1505	2					#8-32x9/16 Bdg. Hd. Sc.
X-1502	1					BALL BEARING - Oil Seal
		1	2	3	4	5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part				
		1	2	3	4	5
GBM-21	1					Armature Shaft Nut
GCX-23	1					Armature Shaft Spacer
GCX-2034	1					ARMATURE ASSEMBLY
GAR-171	1					Snap Ring
X-260	1					#5 Woodruff Key
X-864	1					.669 Lock Washer

Drive End Head Assembly & Parts Used With

GCX-1035	1					Drive End Head Assembly
GCX-35	1					Drive End Head
GG-6	2					Bearing Retainer
8X-173	3					#10-32 Hex. Nut
X-196	3					#10 Lock Washer
8X-316	3					#10-32x3/4 Rd. Hd. Screw
X-1501	1					BALL BEARING - Oil Seal

Miscellaneous Parts

GBW-24	1					Head Band
X-715	1					#10-32x1 1/4 Rd. Hd. Screw
8X-794	1					#10-32 Square Nut
		1	2	3	4	5

(Issued 4-18-41)

† SERVICE BRUSH SET GAL-2012A.

NOTE:- CBC-4001 CIRCUIT BREAKER is used with but is not a part of this generator.

UNIT	APPLICATION
GCX-4503	Parris Dunn

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

GCX-4503 GENERATOR PARTS LIST

GCX-4503

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	
GAU-20A	2	Frame Screw					GBM-21	1	Armature Shaft Nut					
(GCX-2033)	1	Frame & Field Assembly					GCX-23	1	Armature Shaft Spacer					
GAA-30	1	Terminal Post Bottom Ins.					GCX-2034	1	ARMATURE ASSEMBLY					
GAA-32	1	Terminal Post Top Ins.					GAR-171	1	Snap Ring					
GAL-44	1	Field Connection Ins.					X-260	1	#5 Woodruff Key					
GAM-73	1	Terminal Lead Assembly					X-864	1	.669 Lock Washer					
GAA-27	1	Terminal Post					Drive End Head Assembly & Parts Used With							
X-947	1	Terminal					GCX-1035	1	Drive End Head Assembly					
GOT-25	1	Insulating Bushing					GCX-35	1	Drive End Head					
GCX-29	2	Pole Piece					GG-6	2	Bearing Retainer					
GCX-1005A	1	FIELD COIL ASSY.- Comp.					8X-173	3	#10-32 Hex. Nut					
GCX-1007	1	Field Coil Assy.-Left					X-196	3	#10 Lock Washer					
X-946	1	Terminal					8X-316	3	#10-32x3/4 Rd. Hd. Screw					
GDG-1008	1	Field Coil Assy.-Right					X-1501	1	BALL BEARING - Oil Seal					
X-959	1	Terminal					Miscellaneous Parts							
GK-38	4	Pole Piece Screw					GBW-24	1	Head Band					
MN-21	2	Dowel Pin					X-715	1	#10-32x1 1/4 Rd. Hd. Screw					
8X-140	1	#6-32 Hex. Nut					8X-794	1	#10-32 Square Nut					
5X-177	1	#14-24 Hex. Nut							1	2	3	4	5	
X-193	1	#14 Lock Washer					(Issued 4-18-41)							
X-194	1	#6 Lock Washer												
8X-361	1	1/4 Plain Washer												
8X-1008	1	#6-32x9/16 Rd. Hd. Screw												
5X-177	1	#14-24 Hex. Nut												
X-193	1	#14 Lock Washer												
X-196	1	#10 Lock Washer												
X-203	2	5/16 Lock Washer												
8X-321	1	#10-32x5/16 Rd. Hd. Screw												
Comm. End Plate Assembly & Parts Used With														
(GCX-2036)	1	Comm. End Plate Assembly												
GAL-12†	2	Brush - Main												
GAL-199	2	Brush Screw Block												
GAL-204	1	Ground Connector Assy.												
X-958	2	Terminal												
GAL-205	2	3rd Br. Plate Retaining Spring												
GAL-242	2	Brush Holder												
GCX-19	2	Brush Spring												
GCX-1036	1	C. E. Plate Part Assy.												
GCX-2037	1	3rd Brush Holder Plate Assembly												
GAL-199	1	Brush Screw Block												
GAL-242	1	Brush Holder												
GAR-13†	1	Brush - Third												
GCX-19	1	Brush Spring												
GCX-1037	1	3rd Brush Plate Part Assembly												
8X-59	1	#8-32x3/16 Rd. Hd. Sc.												
X-195	1	#8 Lock Washer												
X-1276	1	#8 Skpf. Lock Washer												
8X-1505	1	#8-32x9/16 Bdg. Hd. Sc.												
8X-59	2	#8-32x3/16 Rd. Hd. Screw												
8X-63	2	#8-32x3/8 Flat Hd. Screw												
X-195	4	#8 Lock Washer												
8X-304	1	#8-32x5/16 Rd. Hd. Screw												
X-1276	1	#8 Skpf. Washer												
8X-1505	2	#8-32x9/16 Bdg. Hd. Sc.												
X-1502	1	BALL BEARING - Oil Seal												
		1	2	3	4	5								

† SERVICE BRUSH SET GAL-2012A.

NOTE:- CBC-4001 CIRCUIT BREAKER is used with but is not a part of this generator.

UNIT	APPLICATION
GCX-4503	Parris Dunn

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



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GCY-4603 GENERATOR PARTS LIST

GCY-4603

PRELIMINARY

Frame & Field Assembly & Parts Used With					Comm. End Plate 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				
(GBH-3001)	1	Frame & Field Assembly					8X-118	6	#10-32x3/4 Fill. Hd. Screw								
GBF-55	1	Insulating Washer					X-195	3	#8 Lock Washer								
GBG-22	1	Terminal Post					X-196	10	#10 Lock Washer								
GBG-23	1	Terminal Post					X-199	1	1/4 Lock Washer								
GBG-28	1	Terminal Post Insulation					8X-305	3	#8-32x1/4 Rd. Hd. Screw								
GBG-30	1	Field Connection Ins.					X-394	1	Screw In - Sleeve Oiler								
GBG-38	8	Pole Piece Screw					X-440	1	BALL BEARING - Shielded								
GBG-59	1	Control Lead Assembly					8X-870	4	#10-32x5/16 Fill. Hd. Screw								
GBG-121	1	Terminal					<u>Armature Assembly & Parts Used With</u>										
X-1425	2	Terminal					GBG-49	2	Armature Shaft Spacer								
GBG-62	1	Terminal Post Insulation					GCY-2030F	1	ARMATURE ASSEMBLY								
GBH-29	4	Pole Piece					X-263	1	#8 Woodruff Key								
GBH-1005	1	FIELD COIL ASSY.- Comp.					X-1134	1	5/8 Plain Washer								
GBH-1007	1	Field Coil Assy.-U.R.					X-1177	1	5/8 Skpf. Washer								
GBG-26	1	Terminal					X-1178	1	5/8-18 Hex. Nut								
GBH-1008	1	Field Coil - L.L.					<u>Drive End Head Assembly & Parts Used With</u>										
GBH-1009	1	Field Coil - L.R.					GBG-1104	1	Drive End Head Assembly								
GBH-1010	1	Field Coil Assy.-U.L.					GBG-50	1	Gasket								
X-1425	1	Terminal					GBG-57	1	Felt Washer Retainer								
GCY-27	1	Insulating Bushing					GBG-58	1	Felt Washer								
GCY-28	1	Insulating Bushing					GBG-104	1	Drive End Head								
MU-36	1	Insulating Washer					GBG-1056	1	Bearing Retainer Assy.								
MU-37	1	5/16 Plain Washer					GBG-56	1	Bearing Retainer								
8X-183A	1	#10 Plain Washer					GBG-57	1	Felt Washer Retainer								
X-196	1	#10 Lock Washer					GBG-58	1	Felt Washer								
X-1014	1	5/16 Lock Washer					8X-119	4	#10-32x1/2 Fill. Hd. Sc.								
8X-1376	1	5/16-24 Hex. Nut					X-196	4	#10 Lock Washer								
8X-1377	1	#10-32 Hex. Nut					X-444	1	BALL BRG.- S.A.E. #305								
X-196	2	#10 Lock Washer					8X-118	6	#10-32x3/4 Fill. Hd. Screw								
8X-321	1	#10-32x5/16 Rd. Hd. Screw					X-394	1	Screw In - Sleeve Oiler								
X-1014	1	5/16 Lock Washer					X-544	6	#10 Lock Washer								
8X-1376	1	5/16-24 Hex. Nut					<u>Miscellaneous Parts</u>										
8X-1377	1	#10-32 Hex. Nut					GBG-24	1	Head Band								
<u>Comm. End Plate Assembly & Parts Used With</u>						8X-715	1	#10-32x1 1/4 Rd. Hd. Screw									
DA-60	1	Bearing Retaining Screw					8X-794	1	#10-32 Square Nut								
GBG-46	1	Spring Washer							1	2	3	4	5				
GBG-47	1	Felt Washer					(Issued 5-19-41)										
GBG-48	2	Felt Washer Retainer					† SERVICE BRUSH SET GBG-2012S.										
GBG-63	1	Comm. End Cap Cover					NOTE:- VRG-4103A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.										
GBG-64	1	End Cap Cover Gasket					<table border="1" style="margin: auto; border-collapse: collapse;"> <tr> <td style="padding: 5px;">UNIT</td> <td style="padding: 5px;">APPLICATION</td> </tr> <tr> <td style="padding: 5px;">GCY-4603</td> <td style="padding: 5px;">Kermath</td> </tr> </table>							UNIT	APPLICATION	GCY-4603	Kermath
UNIT	APPLICATION																
GCY-4603	Kermath																
GBG-66	1	Bearing Retaining Washer					<table border="1" style="margin: auto; border-collapse: collapse;"> <tr> <td style="padding: 5px;">UNIT</td> <td style="padding: 5px;">APPLICATION</td> </tr> <tr> <td style="padding: 5px;">GCY-4603</td> <td style="padding: 5px;">Kermath</td> </tr> </table>							UNIT	APPLICATION	GCY-4603	Kermath
UNIT	APPLICATION																
GCY-4603	Kermath																
(GBG-3103)	1	Comm. End Plate Assembly					<table border="1" style="margin: auto; border-collapse: collapse;"> <tr> <td style="padding: 5px;">UNIT</td> <td style="padding: 5px;">APPLICATION</td> </tr> <tr> <td style="padding: 5px;">GCY-4603</td> <td style="padding: 5px;">Kermath</td> </tr> </table>							UNIT	APPLICATION	GCY-4603	Kermath
UNIT	APPLICATION																
GCY-4603	Kermath																
DA-38	2	Spring Washer					<table border="1" style="margin: auto; border-collapse: collapse;"> <tr> <td style="padding: 5px;">UNIT</td> <td style="padding: 5px;">APPLICATION</td> </tr> <tr> <td style="padding: 5px;">GCY-4603</td> <td style="padding: 5px;">Kermath</td> </tr> </table>							UNIT	APPLICATION	GCY-4603	Kermath
UNIT	APPLICATION																
GCY-4603	Kermath																
DE-85	1	Steel Washer					<table border="1" style="margin: auto; border-collapse: collapse;"> <tr> <td style="padding: 5px;">UNIT</td> <td style="padding: 5px;">APPLICATION</td> </tr> <tr> <td style="padding: 5px;">GCY-4603</td> <td style="padding: 5px;">Kermath</td> </tr> </table>							UNIT	APPLICATION	GCY-4603	Kermath
UNIT	APPLICATION																
GCY-4603	Kermath																
GBG-41	2	Brush Holder Plate Screw					<table border="1" style="margin: auto; border-collapse: collapse;"> <tr> <td style="padding: 5px;">UNIT</td> <td style="padding: 5px;">APPLICATION</td> </tr> <tr> <td style="padding: 5px;">GCY-4603</td> <td style="padding: 5px;">Kermath</td> </tr> </table>							UNIT	APPLICATION	GCY-4603	Kermath
UNIT	APPLICATION																
GCY-4603	Kermath																
GBG-51	2	Plain Washer					<table border="1" style="margin: auto; border-collapse: collapse;"> <tr> <td style="padding: 5px;">UNIT</td> <td style="padding: 5px;">APPLICATION</td> </tr> <tr> <td style="padding: 5px;">GCY-4603</td> <td style="padding: 5px;">Kermath</td> </tr> </table>							UNIT	APPLICATION	GCY-4603	Kermath
UNIT	APPLICATION																
GCY-4603	Kermath																
GBG-103	1	Comm. End Plate					<table border="1" style="margin: auto; border-collapse: collapse;"> <tr> <td style="padding: 5px;">UNIT</td> <td style="padding: 5px;">APPLICATION</td> </tr> <tr> <td style="padding: 5px;">GCY-4603</td> <td style="padding: 5px;">Kermath</td> </tr> </table>							UNIT	APPLICATION	GCY-4603	Kermath
UNIT	APPLICATION																
GCY-4603	Kermath																
GBG-1012†	4	Brush - Main					<table border="1" style="margin: auto; border-collapse: collapse;"> <tr> <td style="padding: 5px;">UNIT</td> <td style="padding: 5px;">APPLICATION</td> </tr> <tr> <td style="padding: 5px;">GCY-4603</td> <td style="padding: 5px;">Kermath</td> </tr> </table>							UNIT	APPLICATION	GCY-4603	Kermath
UNIT	APPLICATION																
GCY-4603	Kermath																
GBG-2031	1	Brush Holder Plate Assy.					<table border="1" style="margin: auto; border-collapse: collapse;"> <tr> <td style="padding: 5px;">UNIT</td> <td style="padding: 5px;">APPLICATION</td> </tr> <tr> <td style="padding: 5px;">GCY-4603</td> <td style="padding: 5px;">Kermath</td> </tr> </table>							UNIT	APPLICATION	GCY-4603	Kermath
UNIT	APPLICATION																
GCY-4603	Kermath																
GBG-18L	4	Brush Holder					<table border="1" style="margin: auto; border-collapse: collapse;"> <tr> <td style="padding: 5px;">UNIT</td> <td style="padding: 5px;">APPLICATION</td> </tr> <tr> <td style="padding: 5px;">GCY-4603</td> <td style="padding: 5px;">Kermath</td> </tr> </table>							UNIT	APPLICATION	GCY-4603	Kermath
UNIT	APPLICATION																
GCY-4603	Kermath																
GBG-36L	4	Brush Spring					<table border="1" style="margin: auto; border-collapse: collapse;"> <tr> <td style="padding: 5px;">UNIT</td> <td style="padding: 5px;">APPLICATION</td> </tr> <tr> <td style="padding: 5px;">GCY-4603</td> <td style="padding: 5px;">Kermath</td> </tr> </table>							UNIT	APPLICATION	GCY-4603	Kermath
UNIT	APPLICATION																
GCY-4603	Kermath																
GBG-40L	4	Brush Holder Terminal					<table border="1" style="margin: auto; border-collapse: collapse;"> <tr> <td style="padding: 5px;">UNIT</td> <td style="padding: 5px;">APPLICATION</td> </tr> <tr> <td style="padding: 5px;">GCY-4603</td> <td style="padding: 5px;">Kermath</td> </tr> </table>							UNIT	APPLICATION	GCY-4603	Kermath
UNIT	APPLICATION																
GCY-4603	Kermath																
GBG-85	4	Brush Holder Stud					<table border="1" style="margin: auto; border-collapse: collapse;"> <tr> <td style="padding: 5px;">UNIT</td> <td style="padding: 5px;">APPLICATION</td> </tr> <tr> <td style="padding: 5px;">GCY-4603</td> <td style="padding: 5px;">Kermath</td> </tr> </table>							UNIT	APPLICATION	GCY-4603	Kermath
UNIT	APPLICATION																
GCY-4603	Kermath																
GBG-1037L	4	Brush Arm					<table border="1" style="margin: auto; border-collapse: collapse;"> <tr> <td style="padding: 5px;">UNIT</td> <td style="padding: 5px;">APPLICATION</td> </tr> <tr> <td style="padding: 5px;">GCY-4603</td> <td style="padding: 5px;">Kermath</td> </tr> </table>							UNIT	APPLICATION	GCY-4603	Kermath
UNIT	APPLICATION																
GCY-4603	Kermath																
8X-173	4	#10-32 Hex. Nut					<table border="1" style="margin: auto; border-collapse: collapse;"> <tr> <td style="padding: 5px;">UNIT</td> <td style="padding: 5px;">APPLICATION</td> </tr> <tr> <td style="padding: 5px;">GCY-4603</td> <td style="padding: 5px;">Kermath</td> </tr> </table>							UNIT	APPLICATION	GCY-4603	Kermath
UNIT	APPLICATION																
GCY-4603	Kermath																
X-196	4	#10 Lock Washer					<table border="1" style="margin: auto; border-collapse: collapse;"> <tr> <td style="padding: 5px;">UNIT</td> <td style="padding: 5px;">APPLICATION</td> </tr> <tr> <td style="padding: 5px;">GCY-4603</td> <td style="padding: 5px;">Kermath</td> </tr> </table>							UNIT	APPLICATION	GCY-4603	Kermath
UNIT	APPLICATION																
GCY-4603	Kermath																
GK-151	1	Plain Steel Washer					<table border="1" style="margin: auto; border-collapse: collapse;"> <tr> <td style="padding: 5px;">UNIT</td> <td style="padding: 5px;">APPLICATION</td> </tr> <tr> <td style="padding: 5px;">GCY-4603</td> <td style="padding: 5px;">Kermath</td> </tr> </table>							UNIT	APPLICATION	GCY-4603	Kermath
UNIT	APPLICATION																
GCY-4603	Kermath																
X-195	4	#8 Lock Washer					<table border="1" style="margin: auto; border-collapse: collapse;"> <tr> <td style="padding: 5px;">UNIT</td> <td style="padding: 5px;">APPLICATION</td> </tr> <tr> <td style="padding: 5px;">GCY-4603</td> <td style="padding: 5px;">Kermath</td> </tr> </table>							UNIT	APPLICATION	GCY-4603	Kermath
UNIT	APPLICATION																
GCY-4603	Kermath																
8X-208	1	#10-32x9/16 Hex. Hd. Sc.					<table border="1" style="margin: auto; border-collapse: collapse;"> <tr> <td style="padding: 5px;">UNIT</td> <td style="padding: 5px;">APPLICATION</td> </tr> <tr> <td style="padding: 5px;">GCY-4603</td> <td style="padding: 5px;">Kermath</td> </tr> </table>							UNIT	APPLICATION	GCY-4603	Kermath
UNIT	APPLICATION																
GCY-4603	Kermath																
8X-305	4	#8-32x1/4 Rd. Hd. Sc.					<table border="1" style="margin: auto; border-collapse: collapse;"> <tr> <td style="padding: 5px;">UNIT</td> <td style="padding: 5px;">APPLICATION</td> </tr> <tr> <td style="padding: 5px;">GCY-4603</td> <td style="padding: 5px;">Kermath</td> </tr> </table>							UNIT	APPLICATION	GCY-4603	Kermath
UNIT	APPLICATION																
GCY-4603	Kermath																
8X-361	2	1/4 Plain Washer					<table border="1" style="margin: auto; border-collapse: collapse;"> <tr> <td style="padding: 5px;">UNIT</td> <td style="padding: 5px;">APPLICATION</td> </tr> <tr> <td style="padding: 5px;">GCY-4603</td> <td style="padding: 5px;">Kermath</td> </tr> </table>							UNIT	APPLICATION	GCY-4603	Kermath
UNIT	APPLICATION																
GCY-4603	Kermath																
X-1270	1	#10 Skpf. Washer					<table border="1" style="margin: auto; border-collapse: collapse;"> <tr> <td style="padding: 5px;">UNIT</td> <td style="padding: 5px;">APPLICATION</td> </tr> <tr> <td style="padding: 5px;">GCY-4603</td> <td style="padding: 5px;">Kermath</td> </tr> </table>							UNIT	APPLICATION	GCY-4603	Kermath
UNIT	APPLICATION																
GCY-4603	Kermath																
		1	2	3	4	5											

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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

GCZ-4803 GENERATOR PARTS LIST

GCZ-4803

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part				
		1	2	3	4	5
GAL-225	1					Fuse Cover
(GCZ-3071)	1					Frame & Field Assy.
GAL-29	2					Pole Piece
GAL-44	1					Field Connection Ins.
GAL-1224	1					Fuse Holder
GAR-211	1					Insulating Bushing
GCJ-2005A	1					Field Coil Assy. - Comp.
GCJ-2007	1					Field Coil Assy.-Left
X-976	1					Terminal
GCJ-2008A	1					Field Coil Assy.-Right
GAL-289	1					C.B. Lead Assy.
X-755	1					Terminal
X-1425	1					Terminal
X-976	1					Terminal
GK-38	2					Pole Piece Screw
MN-21	2					Dowel Pin
8X-59	1					#8-32x3/16 Rd. Hd. Sc.
X-195	1					#8 Lock Washer
GK-20	2					Frame Screw
X-199	2					1/4 Lock Washer
X-842	1					Fuse - 5 Ampere

Comm. End Plate Assembly & Parts Used With

(GCJ-3089)	1					Comm. End Plate Assy.
GAR-73	1					Oil Wick
GAR-98	1					Wick Cover
GBM-1013A†	1					Brush - Third
GBW-69	1					Gasket
GBW-72	1					Oil Guard
GBW-73	1					Oil Retaining Gasket
GBW-1068A	1					Comm. End Cap Cover
GCJ-51	1					3rd Brush Plate Retaining Spring
GCJ-1089A	1					Comm. End Plate Part Assy.
GBF-79	1					Absorbent Bronze Brg.
GBW-45	2					Brush Spring
GCJ-26	2					Brush Arm
GDB-1014L	1					Third Brush Plate Assy.
GDF-1012†	2					Brush - Main
X-195	5					#8 Lock Washer
8X-311	1					#10-32x3/8 Rd. Hd. Screw
8X-888	4					#8-32x5/16 Fill. Hd. Sc.
8X-1507	1					#8-32x1/4 Bdg. Hd. Screw
X-195	2					#8 Lock Washer
8X-1507	2					#8-32x1/4 Bdg. Hd. Screw
		1	2	3	4	5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part				
		1	2	3	4	5
GCZ-2055	1					Armature Assembly
GAR-171	1					Snap Ring
GJ-104	1					Armature Shaft Spacer
GJ-179	1					7/16 Plain Washer
GR-32	1					Felt Washer Retainer
X-160	1					7/16-20 Hex. Nut
X-205	1					7/16 Lock Washer
X-261	1					#6 Woodruff Key

Drive End Head Assembly & Parts Used With

GCZ-1003	1					Drive End Head Assy.
GCZ-3	1					Drive End Head
GG-6	2					Bearing Retainer
GG-164	1					Felt Washer
GK-176	1					Felt Washer Retainer
8X-173	3					#10-32 Hex. Nut
X-196	3					#10 Lock Washer
X-295	1					Ball Brg. - S.A.E. #203
8X-316	3					#10-32x3/4 Rd. Hd. Sc.
X-489	1					1/4 Oiler - Press in Type

Miscellaneous Parts

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

(Issued 8/12/38)

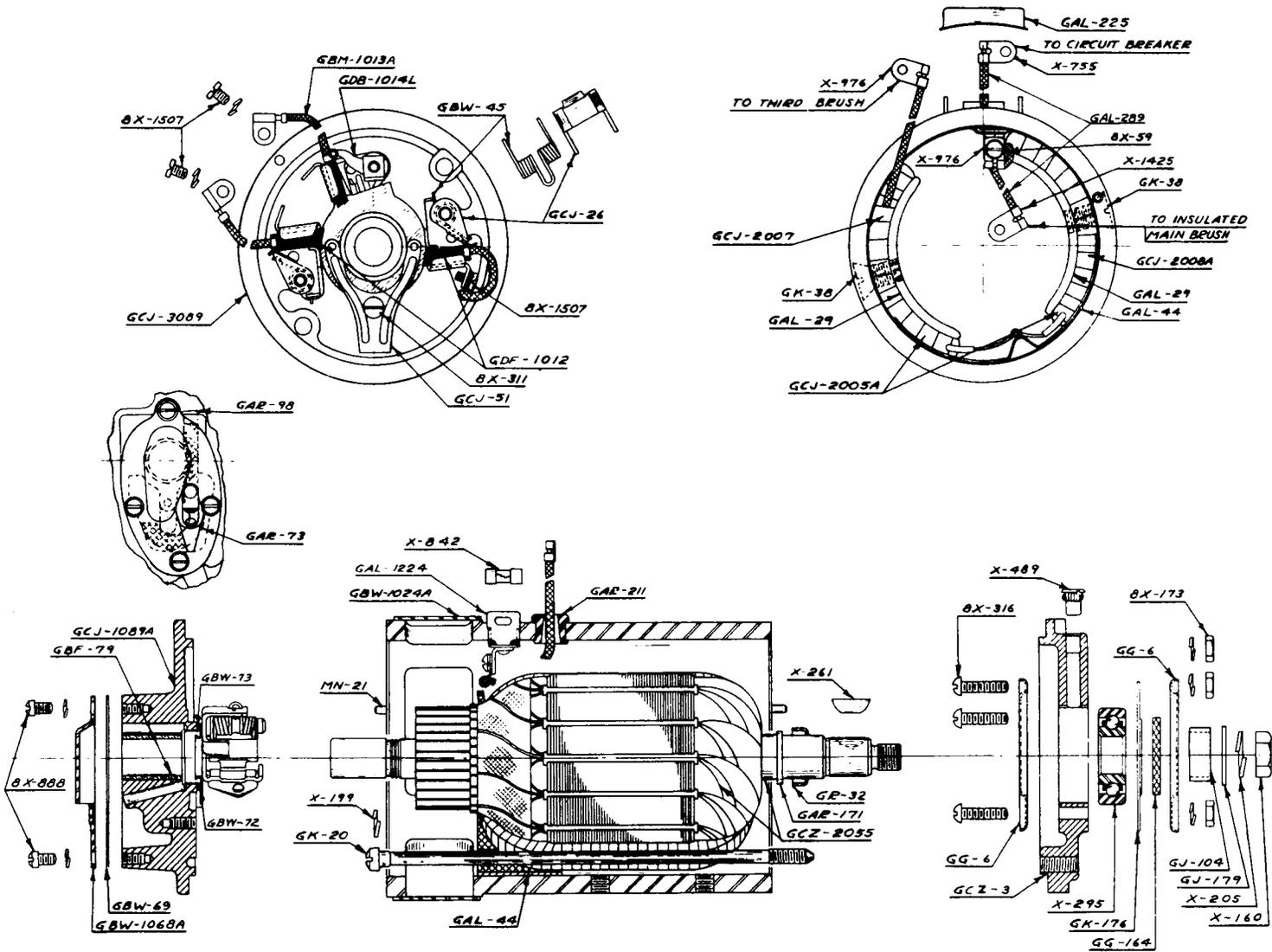
† Service Brush Set GDF-2012AS.

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GCZ-4803 GENERATOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GCZ-4805 GENERATOR PARTS LIST

GCZ-4805

PRELIMINARY

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part				
		1	2	3	4	5
(GCZ-3025)	1	Frame & Field Assembly				
GAL-29	2	Pole Piece				
GAL-44	1	Field Connection Ins.				
GAR-211	1	Insulating Bushing				
GCJ-2005B	1	FIELD COIL ASSY.- Comp.				
GCJ-2007A	1	Field Coil Assy.-Left				
GAL-289	1	C. B. Lead Assy.				
X-755	1	Terminal				
X-1425	1	Terminal				
X-959	1	Terminal				
GCJ-2008B	1	Field Coil Assy.-Right				
X-976	1	Terminal				
GK-38	2	Pole Piece Screw				
MN-21	2	Dowel Pin				
8X-140	1	#6-32 Hex. Nut				
X-194	1	#6 Lock Washer				
8X-1008	1	#6-32x9/16 Rd. Hd. Sc.				
GK-20	2	Frame Screw				
X-199	2	1/4 Lock Washer				

Comm. End Plate Assembly & Parts Used With

(GCJ-3089)	1	Comm. End Plate Assembly				
GAR-73	1	Oil Wick				
GAR-98	1	Wick Cover				
GBJ-1013†	1	Brush - Third				
GBW-69	1	Gasket				
GBW-72	1	Oil Guard				
GBW-73	1	Oil Retaining Gasket				
GBW-1068A	1	Comm. End Cap Cover				
GCJ-51	1	3rd Brush Plate Retaining Spring				
GCJ-1012†	2	Brush - Main				
GCJ-1089A	1	C. E. Plate Part Assy.				
GBF-79	1	ABSORBENT BRONZE BRG.				
GBW-45	2	Brush Spring				
GCJ-26	2	Brush Arm				
GDB-1014L	1	Third Brush Plate Assy.				
X-195	5	#8 Lock Washer				
8X-311	1	#10-32x3/8 Rd. Hd. Screw				
8X-888	4	#8-32x5/16 Fill. Hd. Sc.				
8X-1507	1	#8-32x1/4 Bdg. Hd. Screw				
X-195	2	#8 Lock Washer				
8X-1507	2	#8-32x1/4 Bdg. Hd. Screw				
		1	2	3	4	5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part				
		1	2	3	4	5
GAL-310	1	Armature Shaft Spacer				
GCZ-2091	1	ARMATURE ASSEMBLY				
GK-174	1	1/2 Plain Washer				
X-156	1	1/2-20 Castellated Nut				
X-263	1	#8 Woodruff Key				
X-404	1	3/32x1 Cotter Pin				

Drive End Head Assembly & Parts Used With

GAL-1306B	1	Drive End Head Assembly				
DB-17	1	Felt Guard				
GAL-306B	1	D. E. Head				
GAR-95	1	Felt Washer				
GBC-25	1	Felt Guard				
GW-29	1	Felt Washer				
GX-9	1	Bearing Retainer				
X-196	3	#10 Lock Washer				
X-298	1	BALL BRG.- S.A.E. #204				
8X-311	3	#10-32x3/8 Rd. Hd. Sc.				
X-489	1	1/4 Oiler - Press in Type				

Miscellaneous Parts

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

(Issued 5-19-41)

† SERVICE BRUSH SET GDF-2012AS.

UNIT	APPLICATION
GCZ-4805	Chris Craft

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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

GDA-4801,A, GENERATOR PARTS LIST
B,C,D,E

GDA-4801,A,
B,C,D,E

Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part				
		1	2	3	4	5
(GDA-2001)	1	Frame & Field Assy.				
GAA-32	1	Terminal Post Top Ins.				
GAL-44	1	Field Connection Ins.				
GBW-29	2	Pole Piece				
GBW-34	1	Insulating Washer				
GBW-40	1	Load Assy.				
GAA-27	1	Terminal Post				
X-847	1	Terminal				
GBW-58	1	Terminal Post				
GBW-66	1	Terminal Post Bottom Ins.				
GBW-67	1	Terminal Post Ins.				
GBW-1005A	1	Field Coil Assy.-Comp.				
GBW-1007A	1	Field Coil Assy.-Left				
IG-821	1	Terminal				
GBW-1008	1	Field Coil - Right				
GCT-25	1	Insulating Bushing				
GCY-25	1	Insulating Bushing				
GK-38B	2	Pole Piece Screw				
MN-21	2	Dowel Pin				
8X-177	1	#14-24 Hex. Nut				
12X-193	1	#14 Lock Washer				
12X-196	1	#10 Lock Washer				
8X-349	1	#10 Plain Washer				
8X-361	1	1/4 Plain Washer				
8X-1377	1	#10-32 Hex. Nut				
GY-20	2	Frame Screw				
8X-177	1	#14-24 Hex. Nut				
12X-193	1	#14 Lock Washer				
12X-196	2	#10 Lock Washer				
12X-199	2	1/4 Lock Washer				
8X-321	1	#10-32x5/16 Rd. Hd. Screw				
8X-1377	1	#10-32 Hex. Nut				

Comm. End Plate Assy. & Parts Used With

(GBW-2002)	1	Comm. End Plate Assy.				
GAR-73	1	Oil Wick				
GAR-98A	1	Wick Cover				
GBW-69	1	Gasket				
GBW-72	1	Oil Guard				
GBW-73	1	Oil Retaining Gasket				
GBW-1002A	1	Comm. End Plate Part Assy.				
GBF-79	1	Absorbent Bronze Brg.				
GBW-45	2	Brush Spring				
GCJ-26	2	Brush Arm				
GBW-1012A†	2	Brush - Main				
GBW-1068B	1	Comm. End Cap Cover				
12X-195	5	#8 Lock Washer				
8X-305	1	#8-32x1/4 Rd. Hd. Screw				
8X-888	4	#8-32x5/16 Fill. Hd. Sc.				
X-195	1	#8 Lock Washer				
8X-305	1	#8-32x1/4 Rd. Hd. Screw				
		1	2	3	4	5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part				
		1	2	3	4	5
GBM-21	1	Armature Shaft Nut				
GDA-2006F	1	Armature Assy.				
GAR-171	1	Snap Ring				
GR-32	1	Felt Washer Retainer				
*	1	Drive Pulley				
X-260	1	#5 Woodruff Key				
X-864	1	.669 Lock Washer				

Drive End Head Assembly & Parts Used With

GBJ-1003C	1	Drive End Head Assy.				
GAR-63	2	Felt Guard				
GAR-64	2	Brg. Retainer				
GBJ-3C	1	D.E. Head				
GG-164	2	Felt Washer				
6X-173	3	#10-32 Hex. Nut				
X-196	3	#10 Lock Washer				
X-295	1	Ball Brg. - S.A.E. #203				
X-489	1	1/4 Oiler - Press in Type				
6X-1003	3	#10-32x7/8 Rd. Hd. Screw				

Miscellaneous Parts

GBW-24B	1	Head Band				
8X-715	1	#10-32x1 1/4 Rd. Hd. Screw				
8X-794	1	#10-32 Square Nut				
		1	2	3	4	5

(Issued 10-18-38)

Assembly No.	Drive Pulley
GDA-4801	None
GDA-4801A	SP-1174
GDA-4801B	SP-1234
GDA-4801C	SP-238
GDA-4801D	SP-154
GDA-4801E	SP-1220

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

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

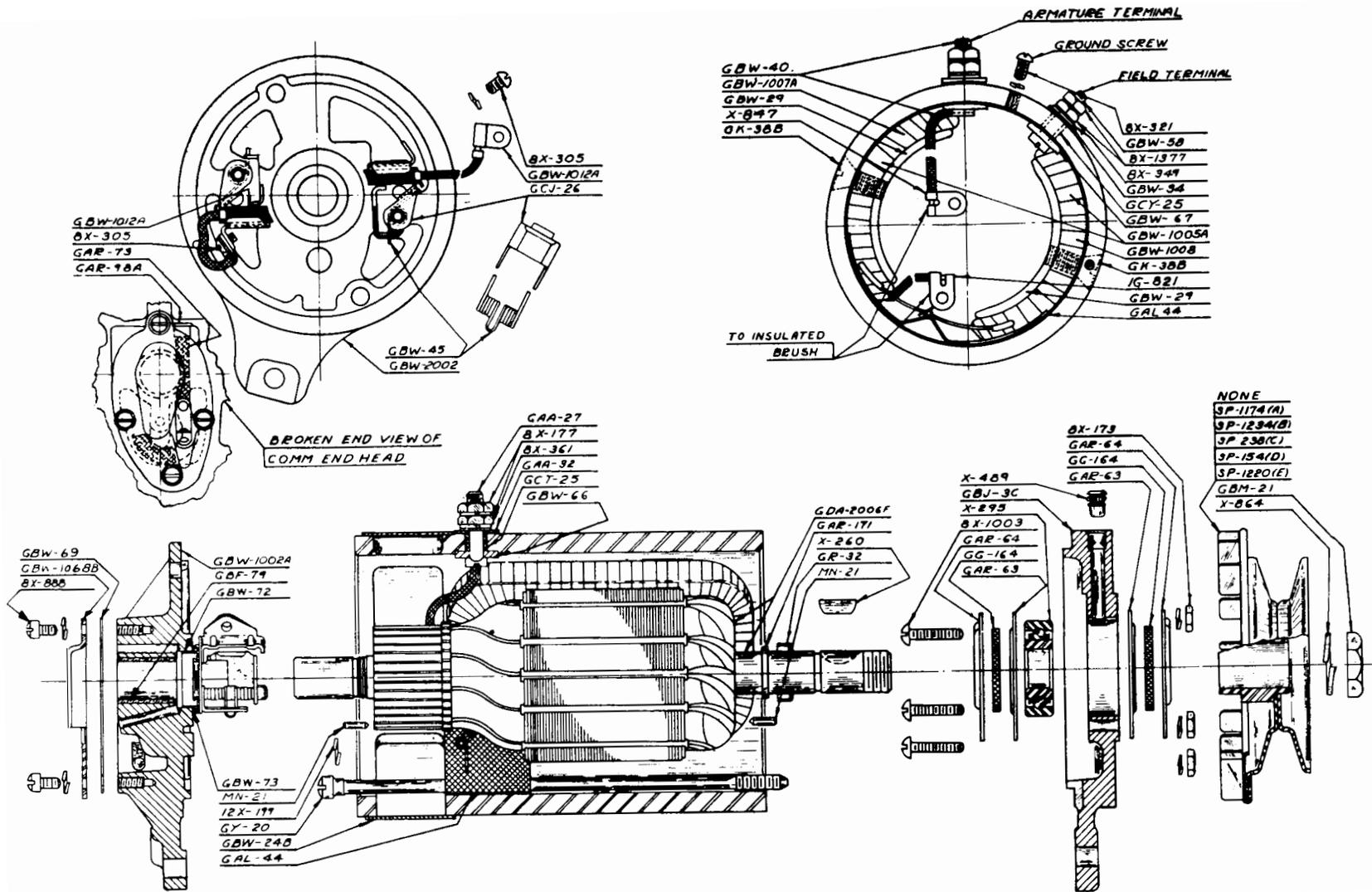
† Service Brush Set GBW-2012AS

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GDA-4801,A,B,C,D,E GENERATOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GDA-4803, A GENERATOR PARTS LIST

GDA-4803, A

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part				
		1	2	3	4	5
(GDA-2001)	1	Frame & Field Assy.				
GAA-32	1	Term. Post Top Ins.				
GAL-44	1	Field Connection Ins.				
GBW-29	2	Pole Piece				
GBW-34	1	Insulating Washer				
GBW-40	1	Lead Assembly				
GAA-27	1	Terminal Post				
X-847	1	Terminal				
GBW-58	1	Terminal Post				
GBW-66	1	Term. Post Bottom Ins.				
GBW-67	1	Term. Post Bottom Ins.				
GBW-1005A	1	Field Coil Assy.-Comp.				
GBW-1007A	1	Field Coil Assy.-Left				
IG-821	1	Terminal				
GBW-1008	1	Field Coil - Right				
GCT-25	1	Insulating Bushing				
GCY-25	1	Insulating Bushing				
GK-38B	2	Pole Piece Screw				
MN-21	2	Dowel Pin				
8X-177	1	#14-24 Hex. Nut				
12X-193	1	#14 Lock Washer				
12X-196	1	#10 Lock Washer				
8X-349	1	#10 Plain Washer				
8X-361	1	1/4 Plain Washer				
8X-1377	1	#10-32 Hex. Nut				
GY-20	2	Frame Screw				
8X-177	1	#14-24 Hex. Nut				
12X-193	1	#14 Lock Washer				
12X-196	2	#10 Lock Washer				
12X-199	2	1/4 Lock Washer				
8X-321	1	#10-32x5/16 Rd. Hd. Screw				
8X-1377	1	#10-32 Hex. Nut				

Comm. End Plate Assembly & Parts Used With

(GBW-2002)	1	Comm. End Plate Assy.				
GAR-73	1	Oil Wick				
GAR-98A	1	Wick Cover				
GBW-69	1	Gasket				
GBW-72	1	Oil Guard				
GBW-73	1	Oil Retaining Gasket				
GBW-1002A	1	Comm. End Plate Part Assembly				
GBF-79	1	Absorbent Bronze Brg.				
GBW-45	2	Brush Spring				
GCJ-26	2	Brush Arm				
GBW-1012A†	2	Brush - Main				
GBW-1068B	1	Comm. End Cap Cover				
12X-195	5	#8 Lock Washer				
8X-305	1	#8-32x1/4 Rd. Hd. Sc.				
8X-888	4	#8-32x5/16 Fill. Hd. Sc.				
X-195	1	#8 Lock Washer				
8X-305	1	#8-32x1/4 Rd. Hd. Screw				
		1	2	3	4	5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part				
		1	2	3	4	5
GBM-21	1	Armature Shaft Nut				
GDA-2057F	1	Armature Assembly				
*	1	Drive Pulley				
X-263	1	#8 Woodruff Key				
X-864	1	.669 Lock Washer				

Drive End Head Assembly & Parts Used With

GAR-1182	1	Drive End Head Assy.				
GAR-178	2	Bearing Retainer				
GAR-179	2	Felt Guard				
GAR-182	1	Drive End Head				
GJ-147	2	Felt Washer				
8X-173	3	#10-32 Hex. Nut				
X-196	3	#10 Lock Washer				
X-298	1	Ball Brg. - S.A.E. #204				
8X-306	3	#10-32x1 Rd. Hd. Screw				
X-489	1	1/4 Oiler - Press in Type				

Miscellaneous Parts

GBW-24B	1	Head Band				
8X-715	1	#10-32x1 1/4 Rd. Hd. Screw				
8X-794	1	#10-32 Square Nut				
		1	2	3	4	5

(Issued 12/9/38)

Assembly No.	Drive Pulley
GDA-4803	None
GDA-4803A	SP-243

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

† Service Brush Set GBW-2012AS.

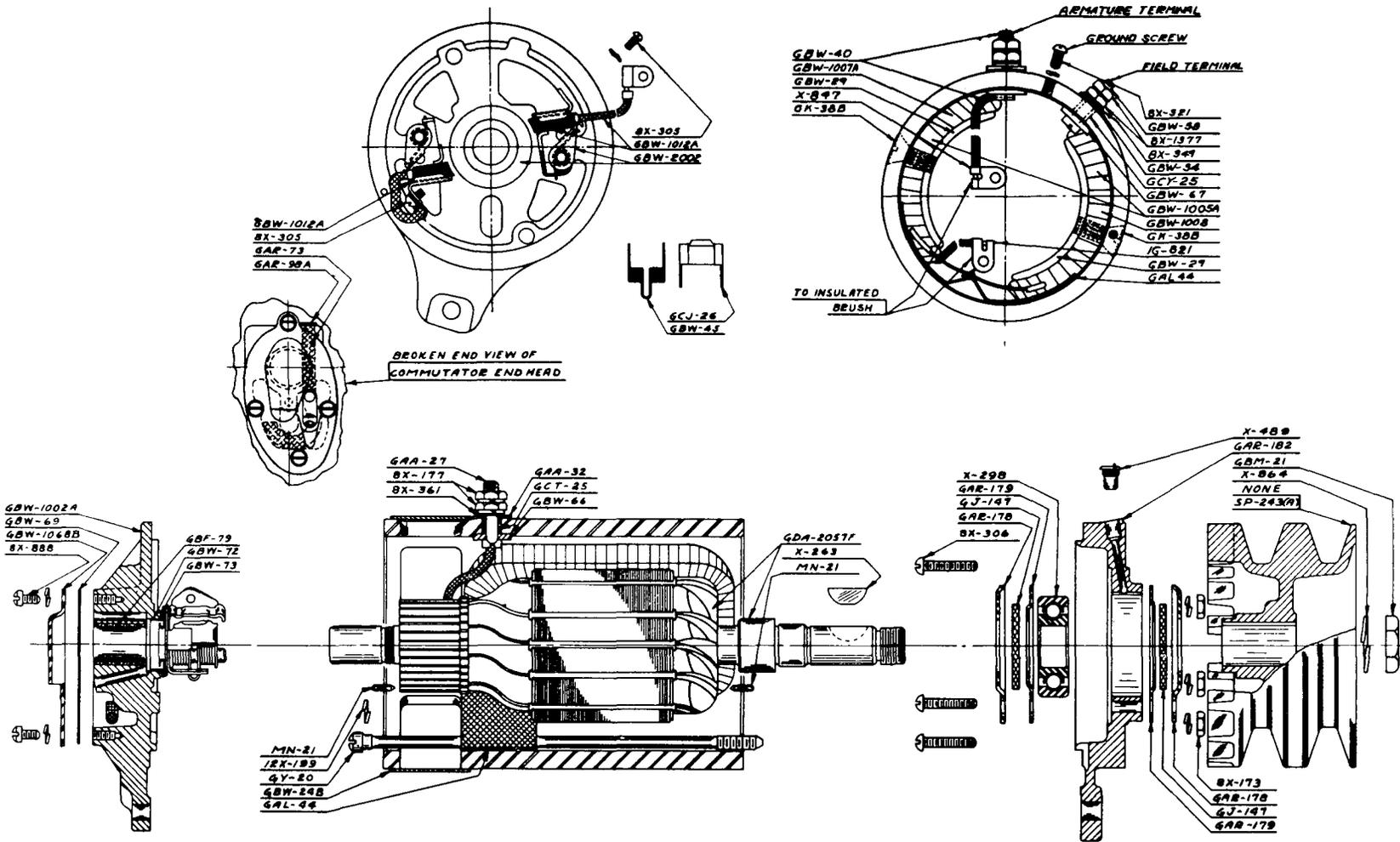
* See table following parts list for part number applying to assembly wanted.

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GDA-4803,A GENERATOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GDA-4804A GENERATOR PARTS LIST

GDA-4804A

Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part					
			1	2	3	4	5
(GDA-2001A)	1	Frame & Field Assy.					
GAA-32	1	Terminal Post Top Ins.					
GAL-44	1	Field Connection Ins.					
GBW-29	2	Pole Piece					
GBW-34	1	Insulating Washer					
GBW-40	1	Lead Assy.					
GAA-27	1	Terminal Post					
X-847	1	Terminal					
GBW-58	1	Terminal Post					
GBW-66	1	Term. Post Bottom Ins.					
GBW-67	1	Term. Post Bottom Ins.					
GBW-1005A	1	Field Coil Assy. - Comp.					
GBW-1007A	1	Field Coil Assy.-Left					
IG-821	1	Terminal					
GBW-1008	1	Field Coil - Right					
GCT-25	1	Insulating Bushing					
GCY-25	1	Insulating Bushing					
GK-38	2	Pole Piece Screw					
MN-21	2	Dowel Pin					
5X-177	1	#14-24 Hex. Nut					
X-193	1	#14 Lock Washer					
X-196	1	#10 Lock Washer					
8X-349	1	#10 Plain Washer					
8X-361	1	1/4 Plain Washer					
5X-1377	1	#10-32 Hex. Nut					
GY-20A	2	Frame Screw					
5X-177	1	#14-24 Hex. Nut					
X-193	1	#14 Lock Washer					
X-196	2	#10 Lock Washer					
X-199	2	1/4 Lock Washer					
8X-321	1	#10-32x5/16 Rd. Hd. Screw					
5X-1377	1	#10-32 Hex. Nut					

Comm. End Plate Assy. & Parts Used With

(GBW-2002E)	1	Comm. End Plate Assy.					
GAR-73	1	Oil Wick					
GAR-98	1	Wick Cover					
GBW-30B	1	Comm. End Cap Cover					
GBW-69	1	Gasket					
GBW-72	1	Oil Guard					
GBW-73	1	Oil Retaining Gasket					
GBW-1002K	1	Comm. End Plate Part Assy.					
GBF-79	1	Absorbent Bronze Brg.					
GBW-45	2	Brush Spring					
GCJ-26	2	Brush Arm					
GBW-1012A†	2	Brush - Main					
X-195	5	#8 Lock Washer					
8X-305	1	#8-32x1/4 Rd. Hd. Screw					
X-489	1	1/4 Oiler - Press in Type					
X-888	4	#8-32x5/16 Fill. Hd. Screw					
X-195	1	#8 Lock Washer					
8X-305	1	#8-32x1/4 Rd. Hd. Screw					
			1	2	3	4	5

Armature Assy. & Parts Used With

Part No.	No. Used	Name of Part					
			1	2	3	4	5
GEM-21	1	Armature Shaft Nut					
GDA-2006F	1	Armature Assy.					
GAR-171	1	Snap Ring					
GR-32	1	Felt Washer Retainer					
SP-1182	1	Drive Pulley					
X-260	1	#5 Woodruff Key					
X-864	1	.669 Lock Washer					

Drive End Head Assy. & Parts Used With

GBJ-1003	1	Drive End Head Assy.					
GAR-63	2	Felt Guard					
GAR-64	2	Bearing Retainer					
GBJ-3	1	Drive End Head					
GG-164	2	Felt Washer					
8X-173	3	#10-32 Hex. Nut					
X-196	3	#10 Lock Washer					
X-295	1	Ball Brg. - S.A.E. #203					
X-489	1	1/4 Oiler - Press in Type					
8X-1003	3	#10-32x7/8 Rd. Hd. Screw					

Miscellaneous Parts

GBW-24	1	Head Band					
X-715	1	#10-32x1 1/4 Rd. Hd. Screw					
8X-794	1	#10-32 Square Nut					
			1	2	3	4	5

(Issued 4-25-41)

NOTE:- VRB-4012A Current-Voltage Regulator is used with but is not a part of this generator.

† Service Brush Set GBW-2012AS.

UNIT	APPLICATION
GDA-4804A	Studebaker, Studebaker Truck

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

GDA-4805 GENERATOR PARTS LIST

GDA-4805

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
(GDA-2032)	1	Frame & Field Assy.					GDA-2031F	1	ARMATURE ASSEMBLY				
GAA-32	1	Term. Post Top Ins.					X-161	1	1/2-20 Hex. Nut				
GAL-44	1	Field Connection Ins.					X-198	1	1/2 Lock Washer				
GBW-29	2	Pole Piece					X-261	1	#6 Woodruff Key				
GBW-34	1	Insulating Washer					<u>Miscellaneous Parts</u>						
GBW-40	1	Lead Assy.					GBW-24B	1	Head Band				
GAA-27	1	Terminal Post					8X-715	1	#10-32x1 1/4 Rd. Hd. Sc.				
X-847	1	Terminal					8X-794	1	#10-32 Square Nut				
GBW-58	1	Terminal Post							1	2	3	4	5
GBW-66	1	Term. Post Bottom Ins.					(Issued 2-27-39)						
GBW-67	1	Term. Post Bottom Ins.											
GBW-1005A	1	FIELD COIL ASSY.-COMP.											
GBW-1007A	1	Field Coil Assy.-Left											
IG-821	1	Terminal											
GBW-1008	1	Field Coil - Right											
GCT-25	1	Insulating Bushing											
GCY-25	1	Insulating Bushing											
GK-38B	2	Pole Piece Screw											
MN-21	2	Dowel Pin											
8X-177	1	#14-24 Hex. Nut											
12X-193	1	#14 Lock Washer											
12X-196	1	#10 Lock Washer											
8X-349	1	#10 Plain Washer											
8X-361	1	1/4 Plain Washer											
8X-1377	1	#10-32 Hex. Nut											
GY-20	2	Frame Screw											
8X-177	1	#14-24 Hex. Nut											
12X-193	1	#14 Lock Washer											
12X-196	2	#10 Lock Washer											
12X-199	2	1/4 Lock Washer											
8X-321	1	#10-32x5/16 Rd. Hd. Sc.											
8X-1377	1	#10-32 Hex. Nut											
Comm. End Plate Assembly & Parts Used With													
(GBW-2065)	1	Comm. End Plate Assy.											
GAR-73	1	Oil Wick											
GAR-98A	1	Wick Cover											
GBW-69	1	Gasket											
GBW-72	1	Oil Guard											
GBW-73	1	Oil Retaining Gasket											
GBW-1012A†	2	Brush - Main											
GBW-1065A	1	Comm. End Plate Part Assembly											
GBF-79	1	ABSORBENT BRONZE BRG.											
GBW-45	2	Brush Spring											
GCJ-26	2	Brush Arm											
GBW-1068B	1	Comm. End Cap Cover											
12X-195	5	#8 Lock Washer											
8X-305	1	#8-32x1/4 Rd. Hd. Sc.											
8X-888	4	#8-32x5/16 Fill. Hd. Sc.											
X-195	1	#8 Lock Washer											
8X-305	1	#8-32x1/4 Rd. Hd. Screw											
		1	2	3	4	5							

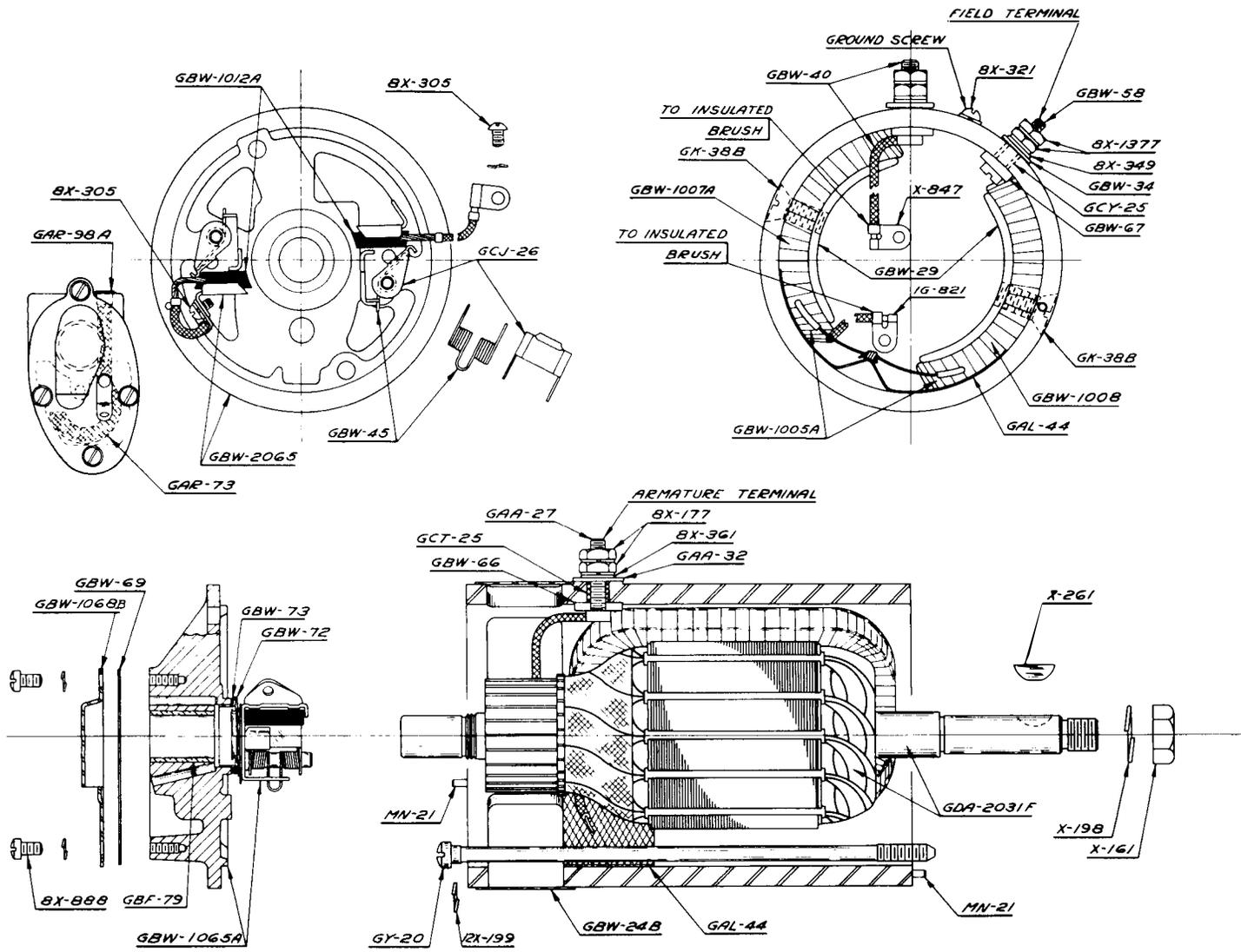
NOTE:- VRB-4008C CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.
 † SERVICE BRUSH SET GBW-2012AS.

UNIT	APPLICATION
GDA-4805	Service Generator

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 such parts the complete part can be assembled as needed."



GDA-4805 GENERATOR ILLUSTRATION

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GDA-4805 GENERATOR PARTS LIST

GDA-4805

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
(GDA-2032)	1	Frame & Field Assy.					GDA-2031F	1	ARMATURE ASSEMBLY				
GAA-32	1	Term. Post Top Ins.					X-161	1	1/2-20 Hex. Nut				
GAL-44	1	Field Connection Ins.					X-198	1	1/2 Lock Washer				
GBW-29	2	Pole Piece					X-261	1	#6 Woodruff Key				
GBW-34	1	Insulating Washer					<u>Miscellaneous Parts</u>						
GBW-40	1	Lead Assy.					GBW-24B	1	Head Band				
GAA-27	1	Terminal Post					8X-715	1	#10-32x1 1/4 Rd. Hd. Sc.				
X-847	1	Terminal					8X-794	1	#10-32 Square Nut				
GBW-58	1	Terminal Post							1	2	3	4	5
GBW-66	1	Term. Post Bottom Ins.					(Issued 2-27-39)						
GBW-67	1	Term. Post Bottom Ins.											
GBW-1005A	1	FIELD COIL ASSY.-COMP.											
GBW-1007A	1	Field Coil Assy.-Left											
IG-821	1	Terminal											
GBW-1008	1	Field Coil - Right											
GCT-25	1	Insulating Bushing											
GCY-25	1	Insulating Bushing											
GK-38B	2	Pole Piece Screw											
MN-21	2	Dowel Pin											
8X-177	1	#14-24 Hex. Nut											
12X-193	1	#14 Lock Washer											
12X-196	1	#10 Lock Washer											
8X-349	1	#10 Plain Washer											
8X-361	1	1/4 Plain Washer											
8X-1377	1	#10-32 Hex. Nut											
GY-20	2	Frame Screw											
8X-177	1	#14-24 Hex. Nut											
12X-193	1	#14 Lock Washer											
12X-196	2	#10 Lock Washer											
12X-199	2	1/4 Lock Washer											
8X-321	1	#10-32x5/16 Rd. Hd. Sc.											
8X-1377	1	#10-32 Hex. Nut											
<u>Comm. End Plate Assembly & Parts Used With</u>													
(GBW-2065)	1	Comm. End Plate Assy.											
GAR-73	1	Oil Wick											
GAR-98A	1	Wick Cover											
GBW-69	1	Gasket											
GBW-72	1	Oil Guard											
GBW-73	1	Oil Retaining Gasket											
GBW-1012A†	2	Brush - Main											
GBW-1065A	1	Comm. End Plate Part Assembly											
GBF-79	1	ABSORBENT BRONZE BRG.											
GBW-45	2	Brush Spring											
GCJ-26	2	Brush Arm											
GBW-1068B	1	Comm. End Cap Cover											
12X-195	5	#8 Lock Washer											
8X-305	1	#8-32x1/4 Rd. Hd. Sc.											
8X-888	4	#8-32x5/16 Fill. Hd. Sc.											
X-195	1	#8 Lock Washer											
8X-305	1	#8-32x1/4 Rd. Hd. Screw											
		1	2	3	4	5							

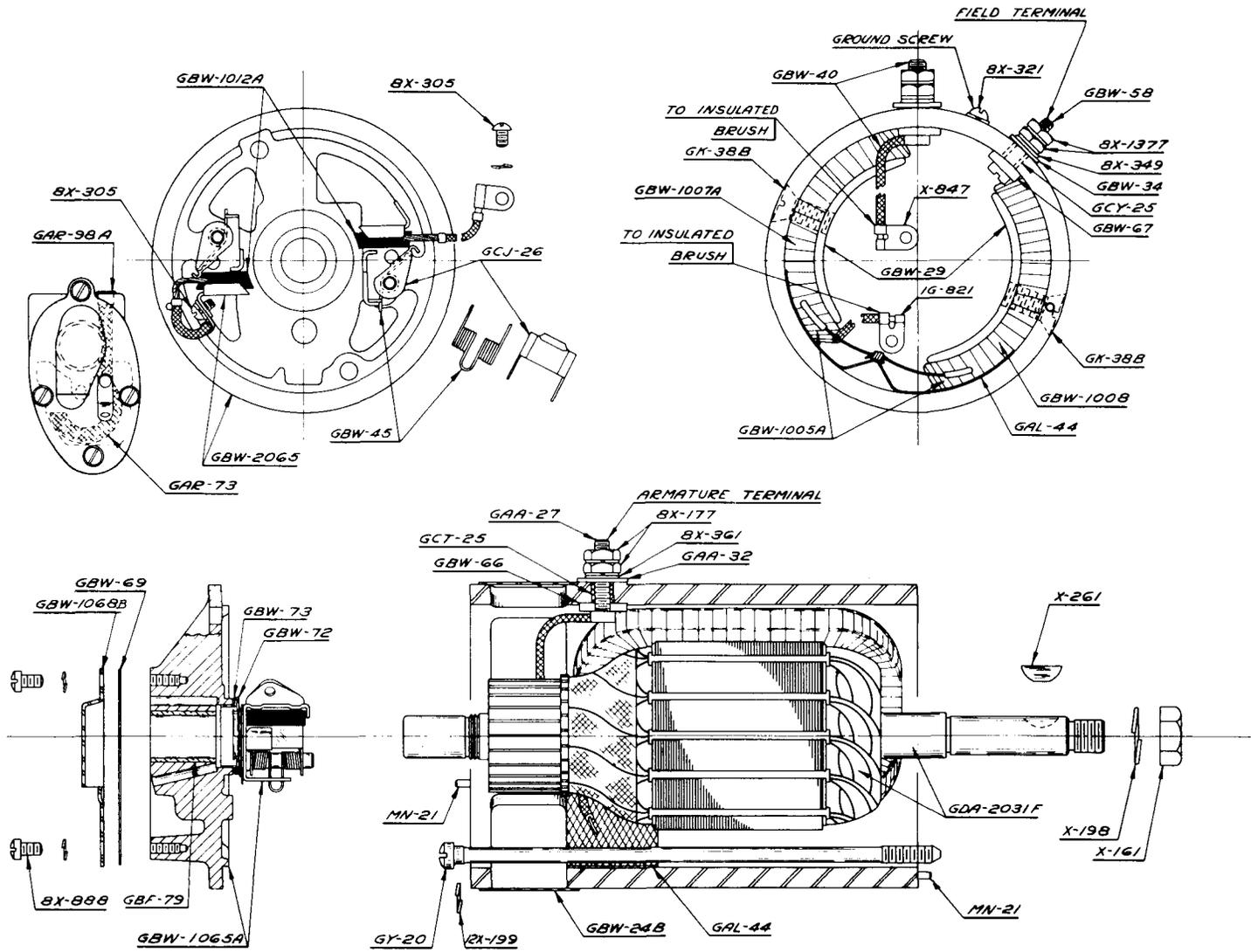
NOTE:- VRB-4008C CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.
 † SERVICE BRUSH SET GBW-2012AS.

UNIT	APPLICATION
GDA-4805	Service Generator

Printed in U. S. A.

File in
Equipment & Parts List Binder

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



GDA-4805 GENERATOR ILLUSTRATION

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GDA-4805 GENERATOR PARTS LIST

GDA-4805

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part				
		1	2	3	4	5
(GDA-2032)	1	Frame & Field Assy.				
GAA-32	1	Term. Post Top Ins.				
GAL-44	1	Field Connection Ins.				
GBW-29	2	Pole Piece				
GBW-34	1	Insulating Washer				
GBW-40	1	Lead Assy.				
GAA-27	1	Terminal Post				
X-847	1	Terminal				
GBW-58	1	Terminal Post				
GBW-66	1	Term. Post Bottom Ins.				
GBW-67	1	Term. Post Bottom Ins.				
GBW-1005A	1	FIELD COIL ASSY.-COMP.				
GBW-1007A	1	Field Coil Assy.-Left				
IG-821	1	Terminal				
GBW-1008	1	Field Coil - Right				
GCT-25	1	Insulating Bushing				
GCY-25	1	Insulating Bushing				
GK-38B	2	Pole Piece Screw				
MN-21	2	Dowel Pin				
8X-177	1	#14-24 Hex. Nut				
12X-193	1	#14 Lock Washer				
12X-196	1	#10 Lock Washer				
8X-349	1	#10 Plain Washer				
8X-361	1	1/4 Plain Washer				
8X-1377	1	#10-32 Hex. Nut				
GY-20	2	Frame Screw				
8X-177	1	#14-24 Hex. Nut				
12X-193	1	#14 Lock Washer				
12X-196	2	#10 Lock Washer				
12X-199	2	1/4 Lock Washer				
8X-321	1	#10-32x5/16 Rd. Hd. Sc.				
8X-1377	1	#10-32 Mex. Nut				

Comm. End Plate Assembly & Parts Used With

(GBW-2065)	1	Comm. End Plate Assy.				
GAR-73	1	Oil Wick				
GAR-98A	1	Wick Cover				
GBW-69	1	Gasket				
GBW-72	1	Oil Guard				
GBW-73	1	Oil Retaining Gasket				
GBW-1012A†	2	Brush - Main				
GBW-1065A	1	Comm. End Plate Part Assembly				
GBF-79	1	ABSORBENT BRONZE BRG.				
GBW-45	2	Brush Spring				
GCJ-26	2	Brush Arm				
GBW-1068B	1	Comm. End Cap Cover				
12X-195	5	#8 Lock Washer				
8X-305	1	#8-32x1/4 Rd. Hd. Sc.				
8X-888	4	#8-32x5/16 Fill. Hd. Sc.				
X-195	1	#8 Lock Washer				
8X-305	1	#8-32x1/4 Rd. Hd. Screw				
		1	2	3	4	5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part				
		1	2	3	4	5
GDA-2031F	1	ARMATURE ASSEMBLY				
X-161	1	1/2-20 Hex. Nut				
X-198	1	1/2 Lock Washer				
X-261	1	#6 Woodruff Key				
<u>Miscellaneous Parts</u>						
GBW-24B	1	Head Band				
8X-715	1	#10-32x1 1/4 Rd. Hd. Sc.				
8X-794	1	#10-32 Square Nut				
		1	2	3	4	5

(Issued 2-27-39)

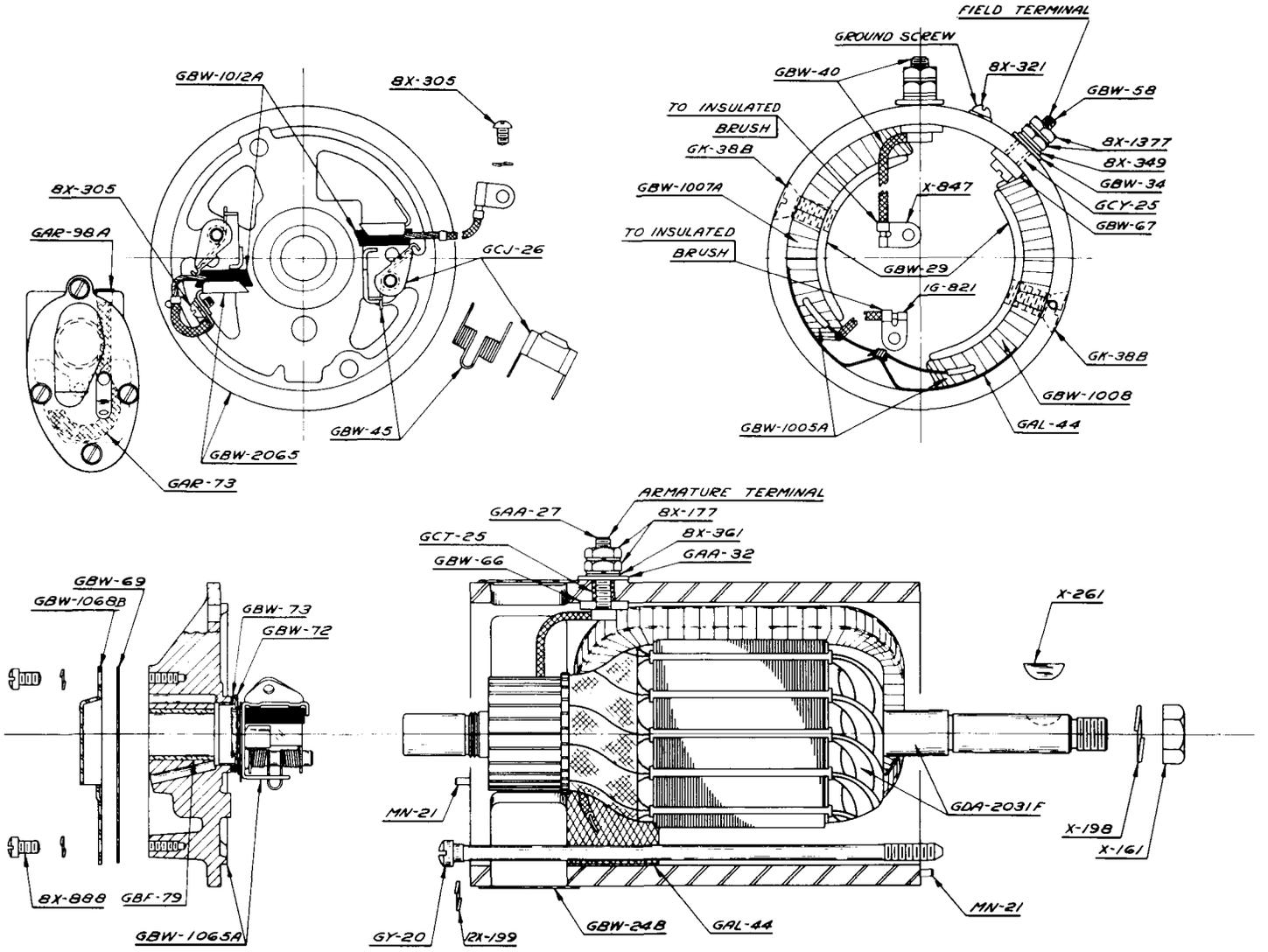
NOTE:- VRB-4008C CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.
 † SERVICE BRUSH SET GBW-2012AS.

UNIT	APPLICATION
GDA-4805	Service Generator

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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."



GDA-4805 GENERATOR ILLUSTRATION

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GDA-4806 GENERATOR PARTS LIST

GDA-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
(GDA-2001)	1	Frame & Field Assy.					GBM-21	1	Armature Shaft Nut				
GAA-32	1	Term. Post Top Ins.					GDA-2006F	1	ARMATURE ASSEMBLY				
GAL-44	1	Field Connection Ins.					GAR-171	1	Snap Ring				
GBW-29	2	Pole Piece					GR-32	1	Felt Washer Retainer				
GBW-34	1	Insulating Washer					X-260	1	#5 Woodruff Key				
GBW-40	1	Lead Assembly					X-864	1	.669 Lock Washer				
GAA-27	1	Terminal Post					<u>Drive End Head Assembly & Parts Used With</u>						
X-847	1	Terminal					GBJ-1003C	1	Drive End Head Assy.				
GBW-58	1	Terminal Post					GAR-63	2	Felt Guard				
GBW-66	1	Term. Post Bottom Ins.					GAR-64	2	Bearing Retainer				
GBW-67	1	Term. Post Bottom Ins.					GBJ-3C	1	Drive End Head				
GBW-1005A	1	FIELD COIL ASSY.-COMP.					GG-164	2	Felt Washer				
GBW-1007A	1	Field Coil Assy.-Left					8X-173	3	#10-32 Hex. Nut				
IG-821	1	Terminal					X-196	3	#10 Lock Washer				
GBW-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. Sc.				
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. Sc.				
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 2-27-39)						
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											
<u>Comm. End Plate Assembly & Parts Used With</u>													
(GBW-2002)	1	Comm. End Plate Assy.											
GAR-73	1	Oil Wick											
GAR-98A	1	Wick Cover											
GBW-69	1	Gasket											
GBW-72	1	Oil Guard											
GBW-73	1	Oil Retaining Gasket											
GBW-1002A	1	Comm. End Plate Part Assembly											
GBF-79	1	ABSORBENT BRONZE BRG.											
GBW-45	2	Brush Spring											
GCJ-26	2	Brush Arm											
GBW-1012A†	2	Brush - Main											
GBW-1068B	1	Comm. End Cap Cover											
12X-195	5	#8 Lock Washer											
8X-305	1	#8-32x1/4 Rd. Hd. Sc.											
8X-888	4	#8-32x5/16 Fill. Hd. Sc.											
X-195	1	#8 Lock Washer											
8X-305	1	#8-32x1/4 Rd. Hd. Screw											
		1	2	3	4	5							

NOTE:- VRB-4008C CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.
 † SERVICE BRUSH SET GBW-2012AS.

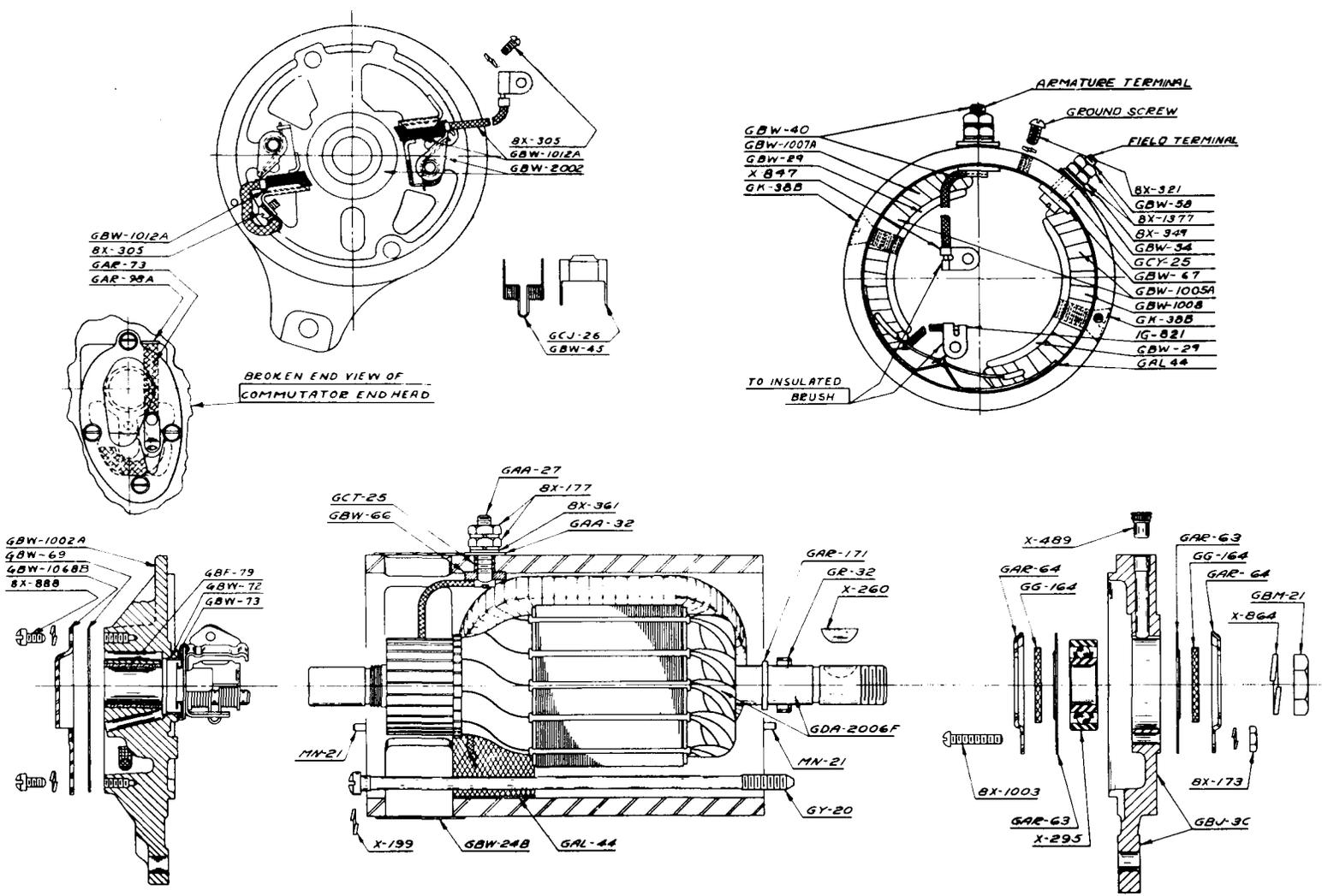
UNIT	APPLICATION
GDA-4806	Service Generator

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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."

GDA-4806 GENERATOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GDA-4808A GENERATOR PARTS LIST

GDA-4808A

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
(GDA-2001)	1	Frame & Field Assy.					GEM-21	1	Armature Shaft Nut				
GAA-32	1	Term. Post Top Ins.					GDA-2006F	1	ARMATURE ASSEMBLY				
GAL-44	1	Field Connection Ins.					GAR-171	1	Snap Ring				
GBW-29	2	Pole Piece					GR-32	1	Felt Washer Retainer				
GBW-34	1	Insulating Washer					SP-154	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-66	1	Term. Post Bottom Ins.					GBJ-1003C	1	Drive End Head Assy.				
GBW-67	1	Term. Post Bottom Ins.					GAR-63	2	Felt Guard				
GBW-1005A	1	FIELD COIL ASSY.-Comp.					GAR-64	2	Bearing Retainer				
GBW-58	1	Terminal Post					GBJ-3C	1	Drive End Head				
GBW-1007A	1	Field Coil Assy.-Left					GG-164	2	Felt Washer				
IG-821	1	Terminal					8X-173	3	#10-32 Hex. Nut				
GBW-1008	1	Field Coil - Right					X-196	3	#10 Lock Washer				
GCT-25	1	Insulating Bushing					X-295	1	BALL BRG. - S.A.E. #203				
GCY-25	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. Sc.				
MN-21	2	Dowel Pin					<u>Miscellaneous Parts</u>						
8X-177	1	#14-24 Hex. Nut					GBW-24B	1	Head Band				
12X-193	1	#14 Lock Washer					8X-715	1	#10-32x1 1/4 Rd. Hd. Screw				
12X-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 12-2-41)						
8X-1377	1	#10-32 Hex. Nut											
GY-20	2	Frame Screw											
8X-177	1	#14-24 Hex. Nut											
12X-193	1	#14 Lock Washer											
12X-196	2	#10 Lock Washer											
12X-199	2	1/4 Lock Washer											
8X-321	1	#10-32x5/16 Rd. Hd. Sc.											
8X-1377	1	#10-32 Hex. Nut											
<u>Comm. End Head Assembly & Parts Used With</u>													
(GBW-2002)	1	Comm. End Head Assy.											
GAR-73	1	Oil Wick											
GAR-98A	1	Wick Cover											
GBW-69	1	Gasket											
GBW-72	1	Oil Guard											
GBW-73	1	Oil Retaining Gasket											
GBW-1002A	1	C.E. Head Part Assy.											
GBF-79	1	ABSORBENT BRONZE BEARING											
GBW-45	2	Brush Spring											
GCJ-26	2	Brush Arm											
GBW-1012A†	2	Brush - Main											
GBW-1068B	1	Comm. End Cap Cover											
12X-195	5	#8 Lock Washer											
8X-305	1	#8-32x1/4 Rd. Hd. Sc.											
8X-888	4	#8-32x5/16 Fill. Hd. Sc.											
X-195	1	#8 Lock Washer											
8X-305	1	#8-32x1/4 Rd. Hd. Screw											
		1	2	3	4	5							

† Service BRUSH SET GBW-2012AS.

NOTE:- VRP-4004D CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GDA-4808A	Continental

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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

GDA-4809A GENERATOR PARTS LIST

GDA-4809A

<u>Frame & Field Assembly & Parts Used With</u>						
Part No.	No. Used	Name of Part				
		1	2	3	4	5
(GDA-2001A)	1	Frame & Field Assy.				
GAA-32	1	Term. Post Top Ins.				
GAL-44	1	Field Connection Ins.				
GBW-29	2	Pole Piece				
GBW-34	1	Insulating Washer				
GBW-40	1	Lead Assembly				
GAA-27	1	Terminal Post				
X-847	1	Terminal				
GBW-66	1	Term. Post Bottom Ins.				
GBW-67	1	Term. Post Bottom Ins.				
GBW-1005A	1	FIELD COIL ASSY.-Comp.				
GBW-58	1	Terminal Post				
GBW-1007A	1	Field Coil Assy.-Left				
IG-821	1	Terminal				
GBW-1008	1	Field Coil - Right				
GCT-25	1	Insulating Bushing				
GCY-25	1	Insulating Bushing				
GK-38	2	Pole Piece Screw				
MN-21	2	Dowel Pin				
5X-177	1	#14-24 Hex. Nut				
X-193	1	#14 Lock Washer				
X-196	1	#10 Lock Washer				
8X-349	1	#10 Plain Washer				
8X-361	1	1/4 Plain Washer				
5X-1377	1	#10-32 Hex. Nut				
GY-20A	2	Frame Screw				
5X-177	1	#14-24 Hex. Nut				
X-193	1	#14 Lock Washer				
X-196	2	#10 Lock Washer				
X-199	2	1/4 Lock Washer				
8X-321	1	#10-32x5/16 Rd. Hd. Sc.				
5X-1377	1	#10-32 Hex. Nut				

<u>Comm. End Plate Assembly & Parts Used With</u>						
Part No.	No. Used	Name of Part				
		1	2	3	4	5
(GBW-2002C)	1	Comm. End Plate Assy.				
GAR-73	1	Oil Wick				
GAR-98A	1	Wick Cover				
GBW-69	1	Gasket				
GBW-72	1	Oil Guard				
GBW-73	1	Oil Retaining Gasket				
GBW-1002E	1	C.E. Plate Part Assy.				
GBF-79	1	ABS. BRONZE BEARING				
GBW-45	2	Brush Spring				
GCJ-26	2	Brush Arm				
GBW-1012A†	2	Brush - Main				
GBW-1068B	1	Comm. End Cap Cover				
X-195	5	#8 Lock Washer				
8X-305	1	#8-32x1/4 Rd. Hd. Sc.				
X-888	4	#8-32x5/16 Fill. Hd. Sc.				
X-195	1	#8 Lock Washer				
8X-305	1	#8-32x1/4 Rd. Hd. Screw				
		1	2	3	4	5

<u>Armature Assembly & Parts Used With</u>						
Part No.	No. Used	Name of Part				
		1	2	3	4	5
GBM-21	1	Armature Shaft Nut				
GDA-2006F	1	ARMATURE ASSEMBLY				
GAR-171	1	Snap Ring				
GR-32	1	Felt Washer Retainer				
SP-413	1	Drive Pulley				
X-260	1	#5 Woodruff Key				
X-864	1	.669 Lock Washer				

<u>Drive End Head Assembly & Parts Used With</u>						
Part No.	No. Used	Name of Part				
		1	2	3	4	5
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.				

<u>Miscellaneous Parts</u>						
Part No.	No. Used	Name of Part				
		1	2	3	4	5
GBW-24	1	Head Band				
X-715	1	#10-32x1 1/4 Rd. Hd. Sc.				
8X-794	1	#10-32 Square Nut				
		1	2	3	4	5

(Issued 2-28-41)

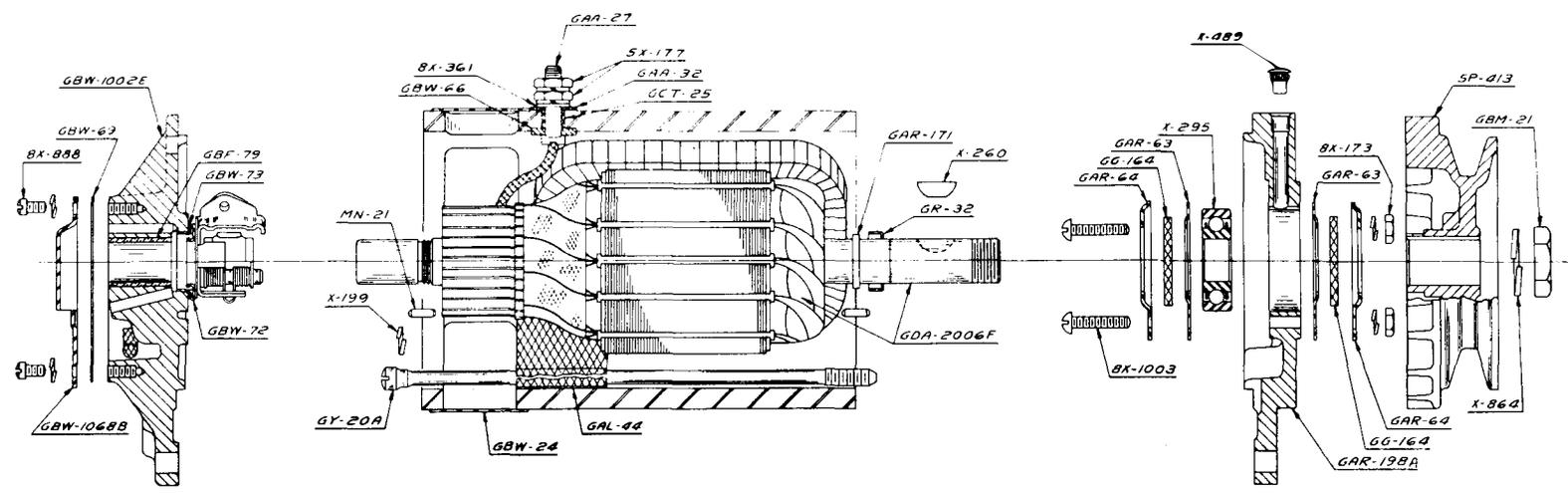
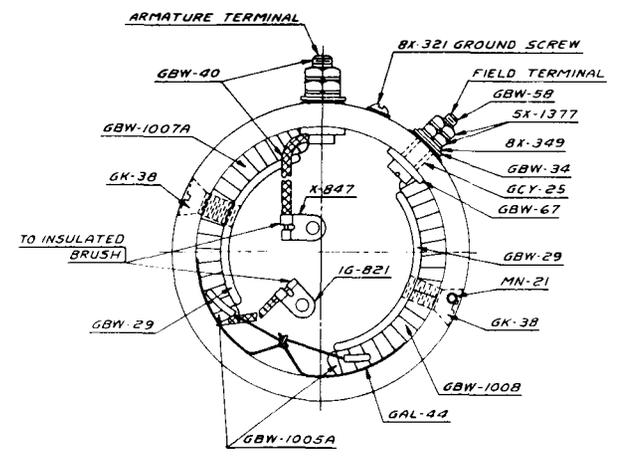
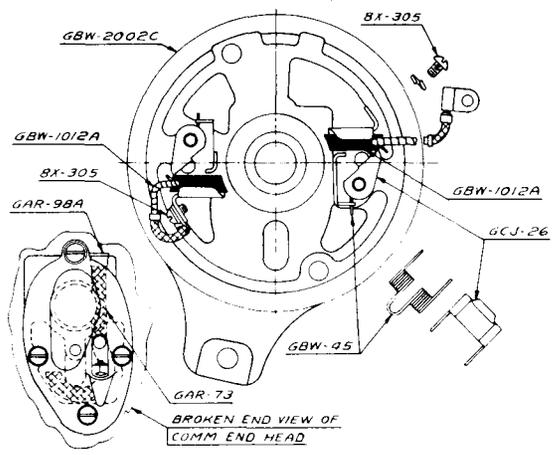
† Service BRUSH SET GBW-2012AS.

NOTE:- VRP-4006G CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GDA-4809A	American Bantam

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

GDA-4809A GENERATOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GDA-4810A-1 GENERATOR PARTS LIST

GDA-4810A-1

<u>Frame & Field Assembly & Parts Used With</u>						<u>Comm. End Head Assembly (Con't.)</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	
(GDA-2030)	1	Frame & Field Assy.					X-195	2	Lock Washer, Brush Lead, #8					
GAA-32	1	Washer, Ins., Arm. Term., Outer					8X-305	2	Screw, Brush Lead, Rd. Hd., #8-32x1/4					
GAL-44	1	Insulation, Field Connection					<u>Armature Assembly & Parts Used With</u>							
GBW-34	1	Washer, Ins., Field Term., Outer					GBM-21	1	Nut, Armature Shaft					
GBW-40	1	Lead Assembly					GDA-2006F	1	Armature Assembly					
GAA-27	1	Stud, Arm. Term., #14-24					GAR-171	1	Snap Ring					
X-847	1	Terminal					GR-32	1	Retainer, Felt Washer					
GBW-66	1	Insulation, Square, Arm. Terminal, Inner					SP-1350	1	Pulley, Drive					
GBW-67	1	Insulation, Square, Field Terminal, Inner					X-260	1	Key, Woodruff, #5					
GBW-1005A	1	Coil Assy., Field, Comp.					X-864	1	Lock Washer, Arm. Shaft					
GBW-58	1	Stud, Field Term., #10-32					<u>Drive End Head Assembly & Parts Used With</u>							
GBW-1007A	1	Coil Assy., Field, Left Terminal					GCJ-1096	1	Head Assy., Drive End					
IG-821	1	Coil, Field, Right					GAR-63	2	Retainer, Felt Washer					
GBW-1008	1	Bushing, Ins., Arm. Term.					GAR-64	2	Retainer, Bearing					
GCT-25	1	Bushing, Ins., Field Term.					GCJ-96	1	Head					
GCY-25	1	Screw, Pole Shoe					GG-164	2	Washer, Felt					
GK-38	2	Pin, Dowel					X-173	3	Nut, Bearing Retainer Sc., Hex., #10-32					
MN-21	2	Nut, Arm. Term., Hex., #14-24					X-295	1	Bearing, Ball, SAE #203					
8X-177	2	Lock Washer, Arm. Term., #14					X-489	1	Oiler, Press in Type, 1/4					
X-193	2	Lock Washer, Field Term., #10					8X-1003	3	Screw, Bearing Retainer, Rd. Hd., #10-32x7/8					
X-196	2	Washer, Field Term., Plain, #10					X-1270	3	Washer, Skpf., Bearing Retainer Screw, #10					
8X-349	1	Washer, Arm. Term., Plain, 1/4					<u>Miscellaneous Parts</u>							
8X-361	1	Nut, Field Term., Hex., #10-32					GBW-24B	1	Band, Cover					
8X-1377	2	Bolt, Thru					8X-715	1	Screw, Cover Band, Rd. Hd., #10-32x1 1/4					
GY-20	2	Lock Washer, Ground Sc., #10					8X-794	1	Nut, Cover Band, Square, #10-32					
X-196	1	Lock Washer, Thru Bolt, 1/4							1	2	3	4	5	
X-199	2	Screw, Ground, Rd. Hd., #10-32x5/16												
8X-321	1													
<u>Comm. End Head Assembly & Parts Used With</u>														
(GBW-2090)	1	Head Assy., Comm. End												
GAR-73	1	Wick, Felt												
GAR-98A	1	Cover, Wick												
GBW-69	1	Gasket, C.E. Cover												
GBW-72	1	Oil Guard												
GBW-73	1	Gasket, Oil Retaining												
GBW-1012A†	2	Brush												
GBW-1068	1	Cover, Comm. End												
GBW-1090A	1	Head Assy., Partial, C.E.												
GBF-79	1	Bearing, Absorbent Bronze												
GBW-45	2	Spring, Brush												
GCJ-26	2	Arm, Brush												
X-195	4	Lock Washer, Cover Sc., #8												
8X-888	4	Screw, Cover, Fil. Hd., #8-32x5/16												
		1	2	3	4	5								

† Brush Set, Service GBW-2012AS.

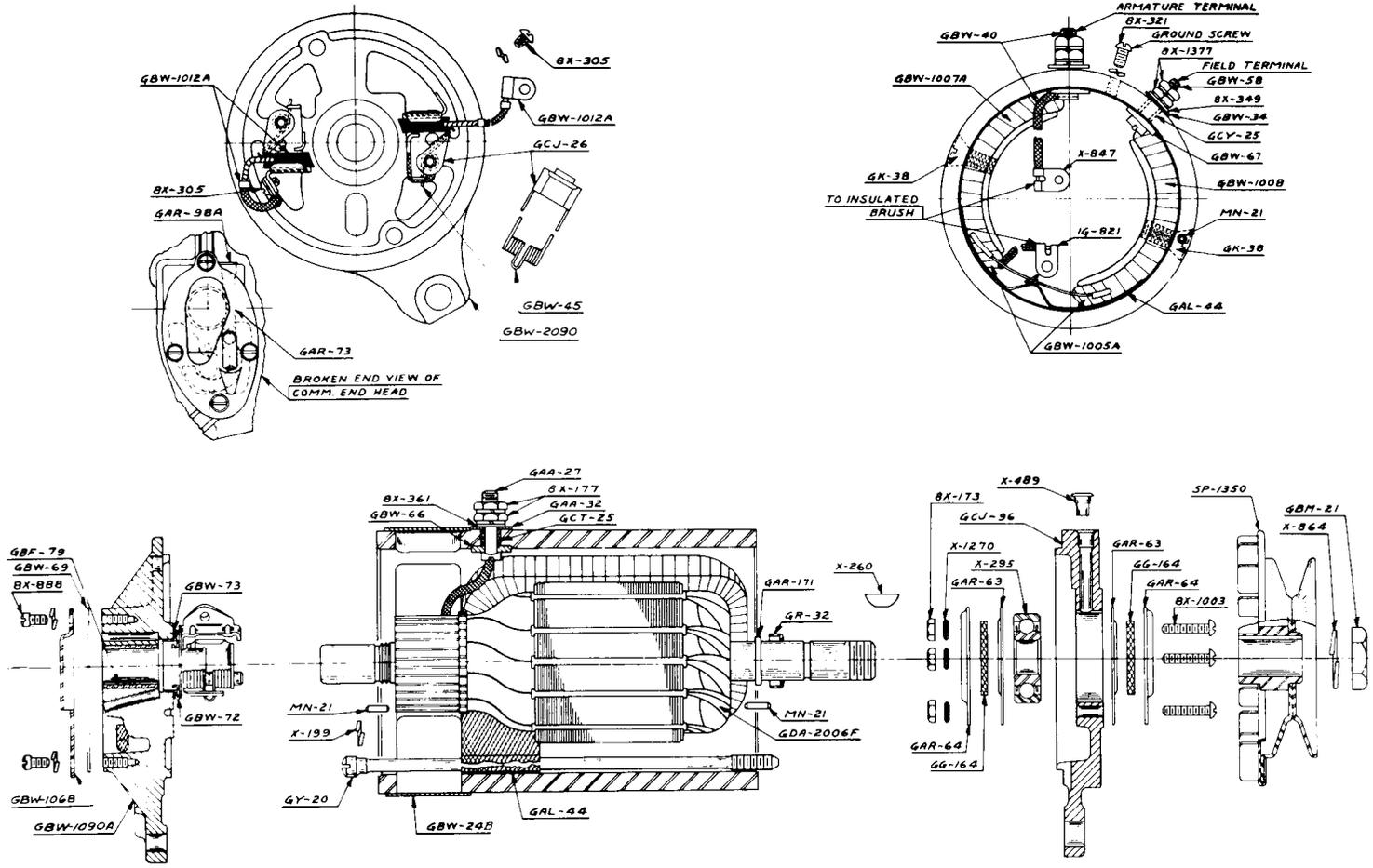
NOTE:- VRP-4009D Current-Voltage Regulator is used with but is not a part of this generator.

(Issued 5-11-45)

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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

GDA-4810A-1 GENERATOR PARTS LIST

GDA-4810A-1

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
(GDA-2030)	1	Frame & Field Assy.					X-195	2	Lock Washer, Brush Lead, #8				
GAA-32	1	Washer, Ins., Arm. Term., Outer					8X-305	2	Screw, Brush Lead, Rd. Hd., #8-32x1/4				
GAL-44	1	Insulation, Field Connection					<u>Armature Assembly & Parts Used With</u>						
GBW-34	1	Washer, Ins., Field Term., Outer					GBM-21	1	Nut, Armature Shaft				
GBW-40	1	Lead Assembly					GDA-2006F	1	Armature Assembly				
GAA-27	1	Stud, Arm. Term., #14-24					GAR-171	1	Snap Ring				
X-847	1	Terminal					GR-32	1	Retainer, Felt Washer				
GBW-66	1	Insulation, Square, Arm. Terminal, Inner					SP-1350	1	Pulley, Drive				
GBW-67	1	Insulation, Square, Field Terminal, Inner					X-260	1	Key, Woodruff, #5				
GBW-1005A	1	Coil Assy., Field, Comp.					X-864	1	Lock Washer, Arm. Shaft				
GBW-58	1	Stud, Field Term., #10-32					<u>Drive End Head Assembly & Parts Used With</u>						
GBW-1007A	1	Coil Assy., Field, Left Terminal					GCJ-1096	1	Head Assy., Drive End				
IG-821	1	Coil, Field, Right					GAR-63	2	Retainer, Felt Washer				
GBW-1008	1	Bushing, Ins., Arm. Term.					GAR-64	2	Retainer, Bearing				
GCT-25	1	Bushing, Ins., Field Term.					GCJ-96	1	Head				
GCY-25	1	Screw, Pole Shoe					GG-164	2	Washer, Felt				
GK-38	2	Pin, Dowel					X-173	3	Nut, Bearing Retainer Sc., Hex., #10-32				
MN-21	2	Nut, Arm. Term., Hex., #14-24					X-295	1	Bearing, Ball, SAE #203				
8X-177	2	Lock Washer, Arm. Term., #14					X-489	1	Oiler, Press in Type, 1/4				
X-193	2	Lock Washer, Field Term., #10					8X-1003	3	Screw, Bearing Retainer, Rd. Hd., #10-32x7/8				
X-196	2	Washer, Field Term., Plain, #10					X-1270	3	Washer, Skpf., Bearing Retainer Screw, #10				
8X-349	1	Washer, Arm. Term., Plain, 1/4					<u>Miscellaneous Parts</u>						
8X-361	1	Nut, Field Term., Hex., #10-32					GBW-24B	1	Band, Cover				
8X-1377	2	Bolt, Thru					8X-715	1	Screw, Cover Band, Rd. Hd., #10-32x1 1/4				
GY-20	2	Lock Washer, Ground Sc., #10					8X-794	1	Nut, Cover Band, Square, #10-3/4				
X-196	1	Lock Washer, Thru Bolt, 1/4					(Issued 5-11-45)						
X-199	2	Screw, Ground, Rd. Hd., #10-32x5/16											
8X-321	1												
<u>Comm. End Head Assembly & Parts Used With</u>													
(GBW-2090)	1	Head Assy., Comm. End											
GAR-73	1	Wick, Felt											
GAR-98A	1	Cover, Wick											
GBW-69	1	Gasket, C.E. Cover											
GBW-72	1	Oil Guard											
GBW-73	1	Gasket, Oil Retaining											
GBW-1012A†	2	Brush											
GBW-1068	1	Cover, Comm. End											
GBW-1090A	1	Head Assy., Partial, C.E.											
GBF-79	1	Bearing, Absorbent Bronze											
GBW-45	2	Spring, Brush											
GCJ-26	2	Arm, Brush											
X-195	4	Lock Washer, Cover Sc., #8											
8X-888	4	Screw, Cover, Fil. Hd., #8-32x5/16											
		1	2	3	4	5							

† Brush Set, Service GBW-2012AS.

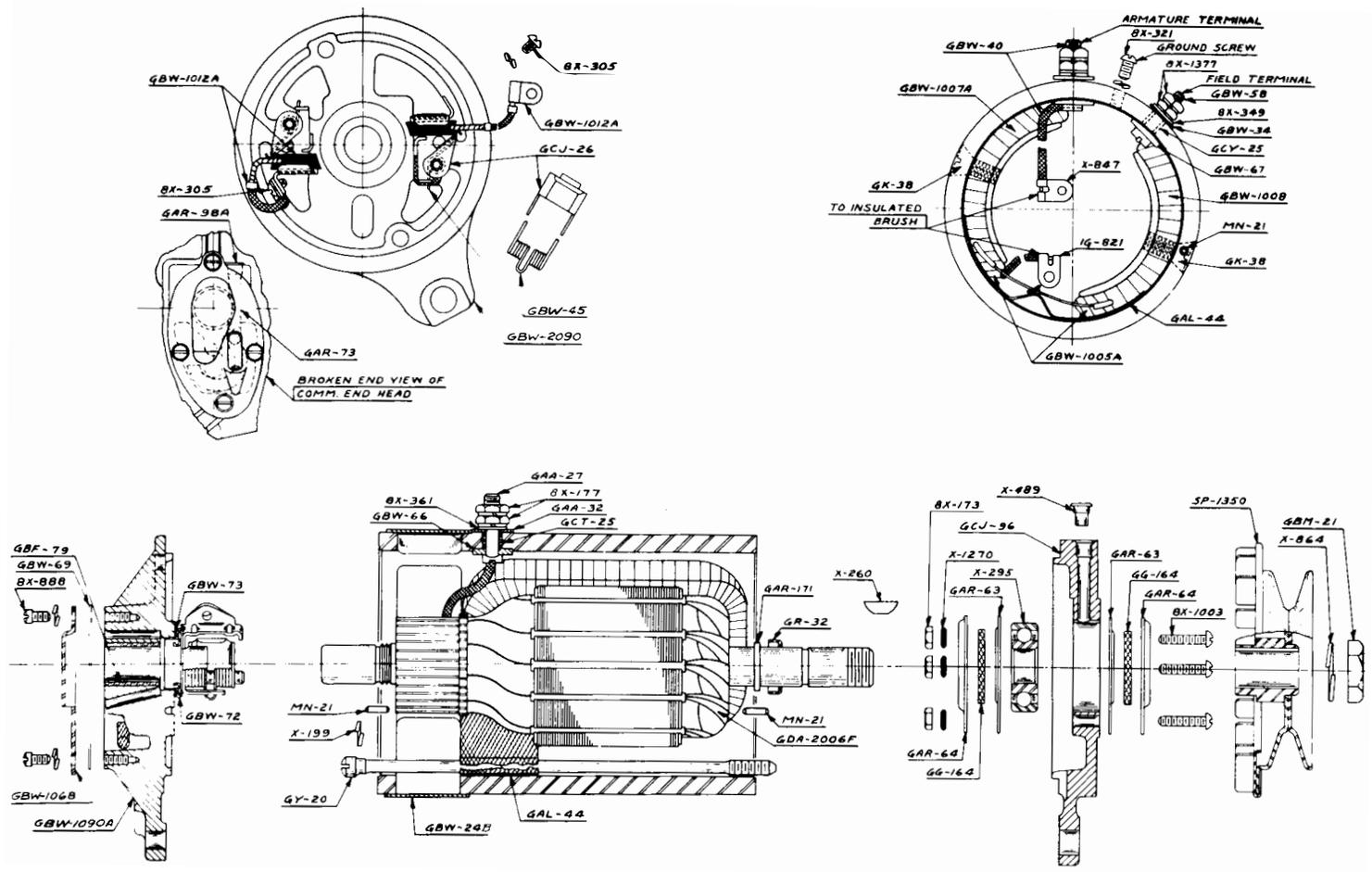
NOTE:- VRP-4009D Current-Voltage Regulator is used with but is not a part of this generator.

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File in
Equipment & Parts List Binder

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

GDA-4810A-1 GENERATOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GDB-4802 GENERATOR PARTS LIST

GDB-4802

PRELIMINARY

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part				
		1	2	3	4	5
(GDB-3059)	1	Frame & Field Assembly				
GAL-44	1	Field Connection Ins.				
GAR-29	2	Pole Piece				
GAR-211	1	Insulating Bushing				
GBS-2005B	1	FIELD COIL ASSY.- Comp.				
GBS-1007G	1	Field Coil Assy.-Left				
GAL-171	1	C.B. Lead Assy.				
X-755	1	Terminal				
X-1425	1	Terminal				
X-976	1	Terminal				
GBS-1008F	1	Field Coil Assy.-Right				
X-959	1	Terminal				
GK-38	2	Pole Piece Screw				
MN-21	2	Dowel Pin				
8X-140	1	#6-32 Hex. Nut				
X-194	1	#6 Lock Washer				
8X-1008	1	#6-32x9/16 Rd. Hd. Sc.				
GK-20	2	Frame Screw				
X-199	2	1/4 Lock Washer				

Comm. End Plate Assembly & Parts Used With

DA-39	2	Flat Oil Guard				
DA-70	1	Armature Shaft Nut				
DJ-10	1	End Cap Cover Gasket				
GAG-53	1	Comm. End Cap Cover				
(GDB-3048)	1	Comm. End Plate Assembly				
GBJ-1013†	1	Brush - Third				
GCJ-51	1	3rd Brush Plate Retaining Spring				
GCJ-1012†	2	Brush - Main				
GCM-1048	1	C. E. Plate Part Assy.				
GBW-45	2	Brush Spring				
GCJ-26	2	Brush Arm				
GDB-1014L	1	3rd Brush Plate Assembly				
X-195	1	#8 Lock Washer				
8X-305	1	#8-32x1/4 Rd. Hd. Screw				
8X-311	1	#10-32x3/8 Rd. Hd. Sc.				
GR-32	1	Felt Washer Retainer				
GR-35	2	Felt Washer				
X-195	2	#8 Lock Washer				
X-295	1	BALL BEARING - S.A.E. #203				
8X-305	2	#8-32x1/4 Rd. Hd. Screw				
X-489	1	1/4 Oiler - Press in Type				
X-544	3	#10 Lock Washer				
8X-870	3	#10-32x5/16 Fill. Hd. Screw				
		1	2	3	4	5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part				
		1	2	3	4	5
GCT-2090	1	ARMATURE ASSEMBLY				
GAR-171	2	Snap Ring				
GJ-104	1	Armature Shaft Spacer				
GJ-179	1	7/16 Plain Washer				
X-160	1	7/16-20 Hex. Nut				
X-205	1	7/16 Lock Washer				
X-261	2	#6 Woodruff Key				

Drive End Head Assembly & Parts Used With

GCZ-1003A	1	Drive End Head Assembly				
GCZ-3A	1	Drive End Head				
GG-6	2	Bearing Retainer				
GG-164	1	Felt Washer				
GK-176	1	Felt Washer Retainer				
8X-173	3	#10-32 Hex. Nut				
X-196	3	#10 Lock Washer				
X-295	1	BALL BEARING - S.A.E. #203				
8X-316	3	#10-32x3/4 Rd. Hd. Screw				
X-489	1	1/4 Oiler - Press in Type				

Miscellaneous Parts

GBW-1024B	1	Head Band Assembly				
RA-4002	1	CIRCUIT BREAKER ASSEMBLY				
CB-123	1	Armature Spring				
CB-160S	1	C. B. Cover				
PX-55	1	#10-32x3/16 Bdg. Hd. Sc.				
X-196	2	#10 Lock Washer				
8X-312	1	#10-32x1/4 Rd. Hd. Screw				
X-196	2	#10 Lock Washer				
8X-321	2	#10-32x5/16 Rd. Hd. Screw				
8X-715	1	#10-32x1 1/4 Rd. Hd. Screw				
8X-794	1	#10-32 Square Nut				
		1	2	3	4	5

(Issued 4-18-41)

† SERVICE BRUSH SET GDF-2012AS.

UNIT	APPLICATION
GDB-4802	Gray Marine

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ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GDB-4803 GENERATOR PARTS LIST

GDB-4803

PRELIMINARY

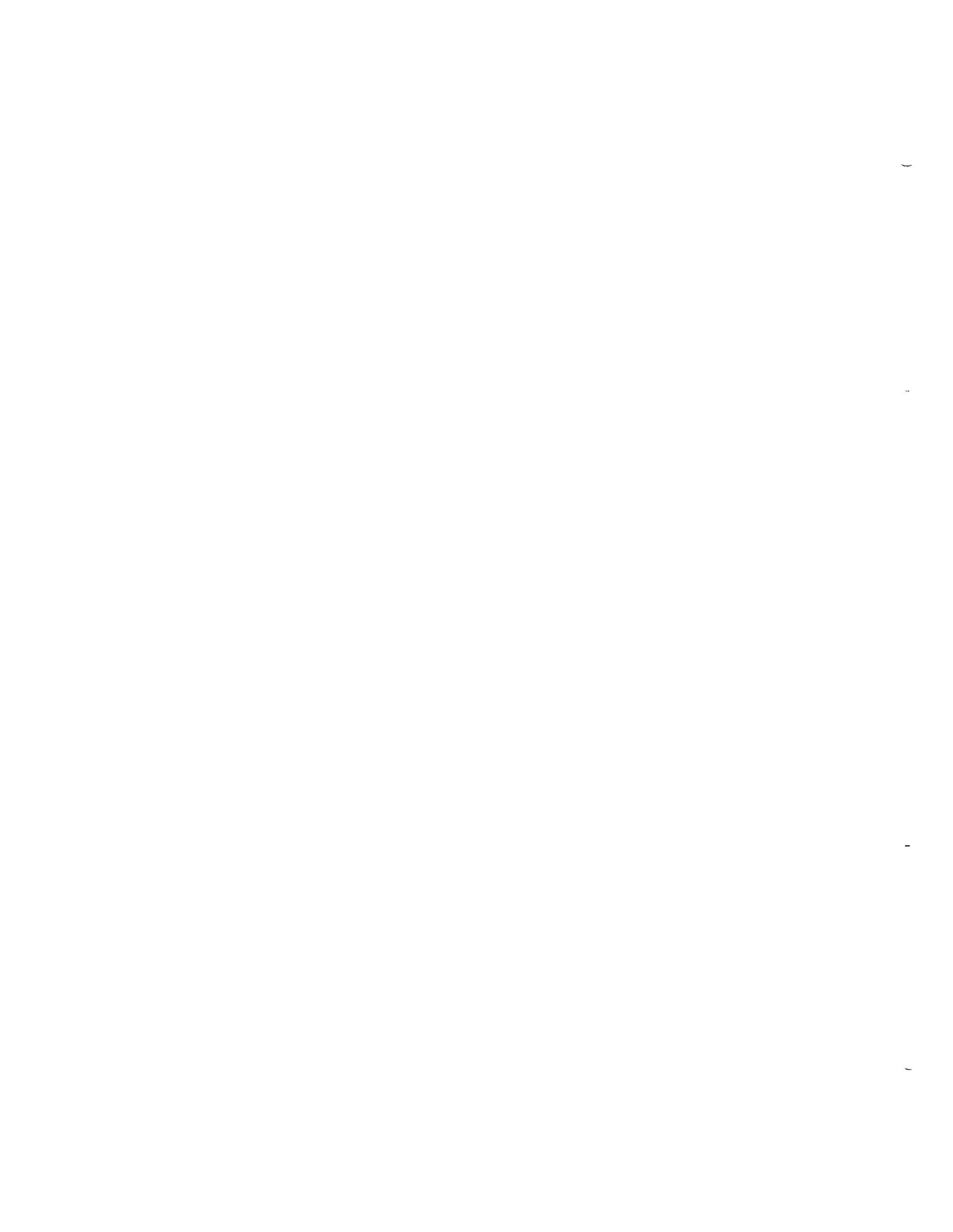
Frame & Field Assembly & Parts Used With						Armature Assembly & Parts Used With							
Part No.	No. Used	Name of Part					Part No.	No. Used	Name of Part				
		1	2	3	4	5			1	2	3	4	5
(GDB-2065)	1	Frame & Field Assembly					GCT-2090	1	ARMATURE ASSEMBLY				
GAL-44	1	Field Connection Ins.					GAR-171	2	Snap Ring				
GAR-29	2	Pole Piece					GJ-104	1	Armature Shaft Spacer				
GAR-211	1	Insulating Bushing					GJ-179	1	7/16 Plain Washer				
GBS-1005D	1	FIELD COIL ASSY.- Comp.					X-160	1	7/16-20 Hex. Nut				
GBS-1007	1	Field Coil Assy.-Left					X-205	1	7/16 Lock Washer				
GAL-289	1	C.B. Lead Assy.					X-261	2	#6 Woodruff Key				
X-755	1	Terminal					Drive End Head Assembly & Parts Used With						
X-1425	1	Terminal					GAL-1063B	1	Drive End Head Assembly				
X-976	1	Terminal					GAL-63A	1	Drive End Head				
GAL-1008G	1	Field Coil Assy.-Right					GG-6	2	Bearing Retainer				
X-959	1	Terminal					GG-164	1	Felt Washer				
GK-38	2	Pole Piece Screw					GK-176	1	Felt Washer Retainer				
MN-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 BEARING- S.A.E. #203				
8X-1008	1	#6-32x9/16 Rd. Hd. Screw					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					Miscellaneous Parts						
Comm. End Plate Assembly & Parts Used With						GBW-1024B	1	Head Band Assembly					
DA-39	2	Flat Oil Guard					RA-4002	1	CIRCUIT BREAKER ASSEMBLY				
DA-70	1	Armature Shaft Nut					CB-123	1	Armature Spring				
DJ-10	1	End Cap Cover Gasket					CB-160S	1	C. B. Cover				
GAG-53	1	Comm. End Cap Cover					PX-55	1	#10-32x3/16 Bdg. Hd. Sc.				
(GDB-2044)	1	Comm. End Plate Assembly					X-196	2	#10 Lock Washer				
GAR-1014A	1	3rd Brush Plate Assy.					8X-312	1	#10-32x1/4 Rd. Hd. Sc.				
GBJ-1013†	1	Brush - Third					X-196	2	#10 Lock Washer				
GCJ-51	1	3rd Brush Plate Retaining Spring					8X-321	2	#10-32x5/16 Rd. Hd. Screw				
GCJ-1012†	2	Brush - Main					8X-715	1	#10-32x1 1/4 Rd. Hd. Screw				
GCM-1044	1	C. E. Plate Part Assy.					8X-794	1	#10-32 Square Nut				
GBW-45	2	Brush Spring							1	2	3	4	5
GCJ-26	2	Brush Arm					(Issued 4-18-41)						
X-195	1	#8 Lock Washer					† SERVICE BRUSH SET GDF-2012AS.						
8X-305	1	#8-32x1/4 Rd. Hd. Sc.											
8X-311	1	#10-32x3/8 Rd. Hd. Sc.											
GR-32	1	Felt Washer Retainer											
GR-35	2	Felt Washer											
X-195	2	#8 Lock Washer											
X-295	1	BALL BEARING - S.A.E. #203											
8X-305	2	#8-32x1/4 Rd. Hd. Screw											
X-489	1	1/4 Oiler - Press in Type											
X-544	3	#10 Lock Washer											
8X-870	3	#10-32x5/16 Fill. Hd. Sc.											
		1	2	3	4	5							

UNIT	APPLICATION
GDB-4803	Gray Marine, Wisconsin

Printed in U. S. A.

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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

GDB-4804A,B,C,D GENERATOR PARTS LIST

GDB-4804A,B,C,D

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
* (GDB-2052)	1	Bracket, Mtg., Gen.	* GCT-2006	1	Nut, Arm, Shaft, D.E. Armature Assy.
GAL-44	1	Insulation, Field Connection	GAR-171	1	Snap Ring
GAR-211	1	Bushing, Insulating	GR-32	1	Retainer, Felt Washer
GBS-1005	1	Coil Assy., Field, Complete	* X-260	1	Pulley, Drive Key, Woodruff, #5
GBS-1007	1	Coil Assy., Field, Left	X-864	1	Lockwasher, Shaft, D.E.
GBS-30	1	Lead Assembly	<u>Drive End Head Assembly & Parts Used With</u>		
X-755	1	Terminal	GBJ-1003C	1	Head Assy., Drive End
X-1425	1	Terminal	GAR-63	2	Retainer, Felt Washer
X-976	1	Terminal	GAR-64	2	Retainer, Bearing
GBS-1008	1	Coil Assy., Field, Right	GBJ-3C	1	Head
X-767	1	Terminal	GG-164	2	Washer, Felt
GK-38	2	Screw, Pole Piece	8X-173	3	Nut, Retainer Sc., Hex. #10-32
MN-21	2	Pin, Dowel	X-196	3	Lockwasher, Retainer Sc., #10
GK-20	2	Bolt, Thru	X-295	1	Bearing, Ball, S.A.E. #203
X-199	2	Lockwasher, Thru Bolt, 1/4	X-489	1	Oiler
X-402†	2	Pin, Cotter, Brkt. Sc.	8X-1003	3	Screw, Retainer, Rd. Hd. #10-32x7/8
8X-863A‡	2	Screw, Mtg. Brkt., Hex. Hd. 5/16-24x1 1/4	<u>Miscellaneous Parts</u>		
X-1014 †	2	Lockwasher, Bracket Sc., 5/16	CBW-1024B	1	Band, Cover
8X-1061 †	2	Nut, Brkt. Sc., Castellated 5/16-24	TC-4310A	1	Regulator, Two Charge
<u>Comm. End Head Assembly & Parts Used With</u>			X-196	4	Lockwasher, Regulator Mtg. Sc., #10
* GAR-73	1	Head Assy., Comm. End Wick, Felt	8X-321	4	Screw, Regulator Mtg., Rd. Hd. #10-32x5/16
GAR-98A	1	Cover, Wick	X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
* *	1	Plate, 3rd. Brush Arm, Brush	8X-794	1	Nut, Cover Band, Square #10-32
* *	1	Spring, Brush	† Brush Set, Service GCJ-2012BS.		
GBJ-1013 †	1	Brush, Third	‡ Used with GDB-4804A,B,C Only.		
GBW-69	1	Gasket, C.E. Cover	* See table following parts list for part number applying to assembly wanted.		
GBW-72	1	Oil Guard			
GBW-73	1	Gasket, Oil Retaining			
GBW-1068	1	Cover, Comm. End			
GCJ-51	1	Spring, Retaining, 3rd Brush Plate			
GCJ-1012 †	2	Brush, Main			
GCM-1002C	1	Head Assy., Partial, C.E.			
GBF-79	1	Bearing, Abs. Bronze			
GBW-45	2	Spring, Brush			
GCJ-26	2	Arm, Brush			
12X-195	4	Lockwasher, Cover Sc., #8			
8X-311	1	Screw, Spring, Rd. Hd. #10-32x3/8			
8X-888	4	Screw, Cover, Fill. Hd. #8-32x5/16			
X-195	3	Lockwasher, Brush Lead Sc. #8			
8X-305	3	Screw, Brush Lead, Rd. Hd. #8-32x1/4			

(See Reverse Side)

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GDB-4804A,B,C,D GENERATOR PARTS LIST (Con't.)

Assembly No.	Bracket	C.E. Head	Plate	Arm	Spring	Nut	Pulley
GDB-4804A	GCM-66	GDB-2002	GAR-1014A	None	None	GBM-21B	SP-322
GDB-4804B	GCM-66	GDB-2002	GAR-1014A	None	None	GBM-21B	SP-322
GDB-4804C	GCM-71	GDB-2002	GAR-1014A	None	None	SP-357	SP-460
GDB-4804D	None	GDB-2002A	GAR-1014B	GAR-219	GAR-221	GBM-21B	SP-322

(Issued 12-22-48)

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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

GDB-4805 GENERATOR PARTS LIST

GDB-4805

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	
(GDB-3067)	1	Frame & Field Assy.			GAR-1177	1	Oil Throwing		
GAL-44	1	Insulation, Field Connection			GBM-21	1	Nut, Arm. Shaft, C.E., Hex., .669-20		
GAR-211	1	Bushing, Insulating			GCT-2042	1	Armature Assy.		
GBS-2005	1	Coil Assy., Field, Comp.			GAR-171	1	Snap Ring		
GBS-1007A	1	Coil Assy., Field, Left			SP-96C	1	Fan, Ventilating		
GAL-298	1	Lead Assy.			X-157	1	Nut, Shaft, D.E., Hex., 1/2-20		
X-755	1	Terminal			X-258	1	Key, Woodruff, C.E., #3		
X-1425	1	Terminal			X-263	1	Key, Woodruff, D.E., #8		
X-976	1	Terminal			X-358	1	Washer, Plain, Arm. Shaft, 1/2		
GBS-1008	1	Coil Assy., Field, Right			X-404	1	Pin, Cotter, 3/32x1		
X-767	1	Terminal			X-864	1	Washer, Lock, Arm. Shaft, C.E., .669		
GK-38	2	Screw, Pole Shoe			<u>Drive End Head Assembly & Parts Used With</u>				
MN-21	2	Pin, Dowel, Head Locating			GAL-1330	1	Head Assy., Drive End		
GT-20	2	Bolt, Thru			GAL-330	1	Head, Drive End		
X-199	2	Washer, Lock, Thru Bolt, 1/4			GX-9	1	Retainer, Bearing		
<u>Comm. End Head Assembly & Parts Used With</u>					GX-10	1	Gasket, Retainer		
DA-39	2	Washer, Plain, Felt Retaining			X-196	3	Washer, Lock, Retainer Sc., #10		
DA-132	1	Washer, Felt			8X-311	3	Screw, Retainer, Rd. hd., #10-32x3/8		
GAB-188	1	Washer, Felt			X-378	1	Bearing, Ball, Shielded, S.A.E. #204		
GAR-82	1	Deflector, Air			<u>Miscellaneous Parts</u>				
GAR-83A	1	Cover, Comm. End			GBW-1024B	1	Band, Cover		
GBJ-25	1	Gasket, Comm. End Cover			TC-4310A	1	Regulator, Two Charge		
(GDB-3037)	1	Head Assy., Comm. End			X-196	4	Washer, Lock, Regulator Mtg., #10		
GBJ-1013†	1	Brush, Third			8X-321	4	Screw, Mtg., Regulator, Rd. hd., #10-32x5/16		
GCJ-51	1	Spring, Retaining, 3rd			X-715	1	Screw, Cover Band, Rd. hd., #10-32x1 1/4		
		Brush Plate			8X-794	1	Nut, Cover Band, Square, #10-32 1 2 3 4 5		
GCJ-1012†	2	Brush, Main			(Issued 4-27-44)				
GCM-1037	1	Head Assy., Partial, C.E.							
GBW-45	2	Spring, Brush							
GCJ-26	2	Arm, Brush							
GDB-1014L	1	Plate, 3rd Brush							
8X-311	1	Screw, Plate Retaining, Rd. hd., #10-32x3/8							
GR-32	1	Retainer, Felt Washer							
8X-66	3	Screw, Air Deflector, Flat hd., #10-32x1/2							
X-195	3	Washer, Lock, Brush Lead, #8							
X-295	1	Bearing, Ball, S.A.E. #203							
8X-305	3	Screw, Brush Lead, Rd. hd., #8-32x1/4							
X-489	1	Oiler, Hinge Top, Press in, 1/4							
8X-726	3	Screw, Attaching, C.E. Cover, Bdg. hd., #10-32x7/16							
X-1270	3	Washer, Skpf., C.E. Cover Screw, #10							
X-1621	3	Washer, Skpf., Air Deflector Screw, #10							
		1	2	3 4 5					

† Brush Set, Service, GCJ-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."

File in
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ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GDB-4806-2,-2N GENERATOR PARTS LIST

GDB-4806-2,-2N
(Issued 7-10-52)

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
GDB-2070	1	Frame & Field Assy.	8X-888	4	Screw, Cover, Fill. Hd. #8-32x5/16
GAL-44	1	Insulation, Field Connection	12X-195	3	Lockwasher, Lead Sc., #8
GAR-211	1	Bushing, Insulating	8X-1507	3	Screw, Brush Lead, Bdg. Hd. #8-32x1/4
GBS-1005E	1	COIL ASSY., FIELD, COMPLETE	<u>Armature Assembly & Parts Used With</u>		
GBS-1007K	1	Coil Assy., Field, Left	GAL-310	1	Spacer, Arm. Shaft
GBS-35	1	Lead Assembly	GCT-2091	1	ARMATURE
X-755	1	Terminal	GK-174	1	Washer, Shaft, D. E., Plain, 1/2
X-847	1	Terminal	X-156	1	Nut, Shaft, D. E., Castellated 1/2-20
X-976	1	Terminal	X-263	1	Key, Woodruff, #8
GBS-1008G	1	Coil, Assy., Field, Right	X-404	1	Pin, Cotter
X-959	1	Terminal	<u>Drive End Head Assy. & Parts Used With</u>		
GK-38	2	Screw, Pole Shoe	GDF-1003E	1	Head Assy., Drive End
MN-21	2	Pin, Dowel	DB-17	1	Washer, Felt Retaining
8X-140	1	Nut, Grd. Sc., Hex. #6-32	GAR-95	1	Washer, Felt, Inner
12X-194	1	Lockwasher, Grd. Sc., #6	GBC-25	1	Retainer, Felt Washer, Inner
8X-1008	1	Screw, Field Ground, Rd. Hd. #6-32x9/16	GDF-3E	1	Head, Drive End
GK-20A	2	Bolt, Thru	GG-164	1	Washer, Felt, Outer
12X-199	2	Lockwasher, Thru Bolt, 1/4	GX-9	1	Retainer, Bearing
<u>Comm. End Head Assembly & Parts Used With</u>			12X-196	3	Lockwasher, Retainer Sc., #10
G CJ-2012S	1	BRUSH SET, SERVICE	X-298	1	BEARING, BALL, S. A. E. #204
GDB-2069S	1	Head Assy., Comm. End	8X-311	3	Screw, Brg. Retainer, Rd. Hd. #10-32x3/8
GAR-73	1	Wick, Felt	X-489	1	Oiler
GAR-98A	1	Cover, Wick	<u>Miscellaneous Parts</u>		
GBW-69	1	Gasket, C. E. Cover	GBW-1024B	1	Band, Cover
GBW-72	1	Oil Guard	RA-4002	1	RELAY ASSY., CUT-OUT
GBW-73	1	Gasket, Oil Guard	CB-123	1	Spring, Armature
GBW-1068	1	Cover, Comm. End	CB-160S	1	Cover, Relay
G CJ-51	1	Spring, Retaining, 3rd. Brush Plate	PX-55	1	Screw, Bdg. Hd. #10-32x3/16
G CJ-1014L	1	Plate Assy., 3rd. Brush	X-196	2	Lockwasher, #10
GBW-45	1	Spring, Brush	8X-312	1	Screw, Rd. Hd. #10-32x1/4
G CJ-26	1	Arm, Brush	12X-196	2	Lockwasher, Mtg. Sc., #10
G CM-1069A	1	Head Assy., Partial, C. E.	8X-321	2	Screw, Relay Mtg., Rd. Hd. #10-32x5/16
GBF-79	1	BEARING, ABS. BRONZE	X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
GBW-45	2	Spring, Brush	8X-794	1	Nut, Cover Band, Square #10-32
G CJ-26	2	Arm, Brush			
12X-195	4	Lockwasher, Cover Sc., #8			
8X-311	1	Screw, Spring, Rd. Hd. #10-32x3/8			

UNIT	APPLICATION
GDB-4806-2	Chris Craft
GDB-4806-2N	Universal

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

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GDB-4814 GENERATOR PARTS LIST

GDB-4814

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
(GDB-2081)	1	Frame & Field Assembly					GAR-1177	1	Oil Thrower Assembly				
GAL-44	1	Field Connection Ins.					GEM-21	1	Armature Shaft Nut				
GAR-29	2	Pole Piece					GCT-2042	1	ARMATURE ASSEMBLY				
GAR-211	1	Insulating Bushing					GAR-171	1	Snap Ring				
GBS-1005	1	FIELD COIL ASSY.- Comp.					SP-96	1	Ventilating Fan				
GBS-1007	1	Field Coil Assy.-Left					X-157	1	1/2-20 Slotted Nut				
GAL-289	1	C. B. Lead Assy.					X-258	1	#3 Woodruff Key				
X-755	1	Terminal					X-263	1	#8 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				
GBS-1008	1	Field Coil Assy.-Right					X-864	1	.669 Lock Washer				
X-767	1	Terminal					<u>Drive End Head Assembly & Parts Used With</u>						
GK-38	2	Pole Piece Screw					GAL-1330	1	Drive End Head Assembly				
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 BRG. - Oil Seal				
GAB-188	1	Felt Washer					<u>Miscellaneous Parts</u>						
GAR-82	1	Air Deflector					GBW-1024B	1	Head Band Assembly				
GAR-83	1	Comm. End Cap					TC-4310A	1	TWO CHARGE REGULATOR				
GBJ-25	1	End Cap Cover Gasket					X-196	4	#10 Lock Washer				
(GDB-2035)	1	Comm. End Plate Assembly					8X-321	4	#10-32x5/16 Rd. Hd. Screw				
GAR-1014A	1	3rd Brush Holder Plate Assembly					X-715	1	#10-32x1 1/4 Rd. Hd. Screw				
GBJ-1013†	1	Brush - Third					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 4-22-41)						
GCM-1035	1	C. E. Plate Part Assembly											
GBW-45	2	Brush Spring											
GCJ-26	2	Brush Arm											
X-195	1	#8 Lock Washer											
8X-305	1	#8-32x1/4 Rd. Hd. Screw											
8X-311	1	#10-32x3/8 Rd. Hd. Screw											
GR-32	1	Felt Washer Retainer											
X-62	6	#10-32x3/8 Flat Hd. Screw											
X-195	2	#8 Lock Washer											
X-295	1	BALL BEARING - S.A.E. #203											
8X-305	2	#8-32x1/4 Rd. Hd. Screw											
X-489	1	1/4 Oiler - Press in Type											
		1	2	3	4	5							

† SERVICE BRUSH SET GDF-2012AS.

UNIT	APPLICATION
GDB-4814	Northwest Eng. Co.

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

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GDC-4601A MOTOR GENERATOR PARTS LIST

GDC-4601A

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
(GDC-3001)	1	Frame & Field Assy.					GBM-21	1	Armature Shaft Nut				
GAR-211	2	Insulating Bushing					GDC-3286F	1	Armature Assy.				
GCG-29	2	Pole Piece					GAR-171	2	Snap Ring				
GDC-1007	1	Shunt Coil - Left					GR-32	1	Felt Washer Retainer				
GDC-1008A	1	Series Field Coil Assy. - Right					SP-216	1	Drive Pulley				
GCG-31	1	Series Lead - Green					X-260	1	#5 Woodruff Key				
GCG-32	1	Ins. Brush Lead Assy.					X-864	1	.669 Lock Washer				
X-1425	1	Terminal					Drive End Head Assembly & Parts Used With						
GCG-34	1	C.E. Lead - White					GAR-1062D	1	Drive End Head Assy.				
GK-38	2	Pole Piece Screw					GAR-62C	1	Drive End Head				
MAB-30	1	Field Connection Ins.					GAR-63	2	Felt Guard				
MN-21	2	Dowel Pin					GAR-64	2	Bearing Retainer				
MW-20	2	Frame Screw					GG-164	2	Felt Washer				
X-199	2	1/4 Lock Washer					8X-173	3	#10-32 Hex. Nut				
Comm. End Plate Assembly & Parts Used With						X-295	1	Ball Bearing - S.A.E. #203					
DA-22	1	Bearing Retaining Washer					X-326	1	Ball Oiler - 1/4 Press In				
DA-39	1	Flat Oil Guard					8X-1003	3	#10-32x7/8 Rd. Hd. Screw				
DA-60	1	Bearing Retaining Screw					X-1270	3	#10 Skpf. Washer				
DJ-4	1	Comm. End Cap Cover					Miscellaneous Parts						
DJ-10	1	End Cap Cover Gasket					GAL-1024E	1	Head Band Assembly				
(GCG-3002)	1	Comm. End Plate Assy.					X-715	1	#10-32x1 1/4 Rd. Hd. Screw				
GCG-1012†	2	Brush - Main					8X-794	1	#10-32 Square Nut				
X-195	1	#8 Lock Washer							1	2	3	4	5
8X-305	1	#8-32x1/4 Rd. Hd. Sc.					(Issued 11-30-37)						
GR-32	1	Felt Washer Retainer											
GR-35	1	Felt Washer											
X-195	1	#8 Lock Washer											
X-199	1	1/4 Lock Washer											
X-295	1	Ball Bearing - S.A.E. #203											
8X-305	1	#8-32x1/4 Rd. Hd. Screw											
X-469	1	1/4 Oiler - Press in Type											
X-544	3	#10 Lock Washer											
8X-870	3	#10-32x5/16 Fill.Hd.Screw											
		1	2	3	4	5							

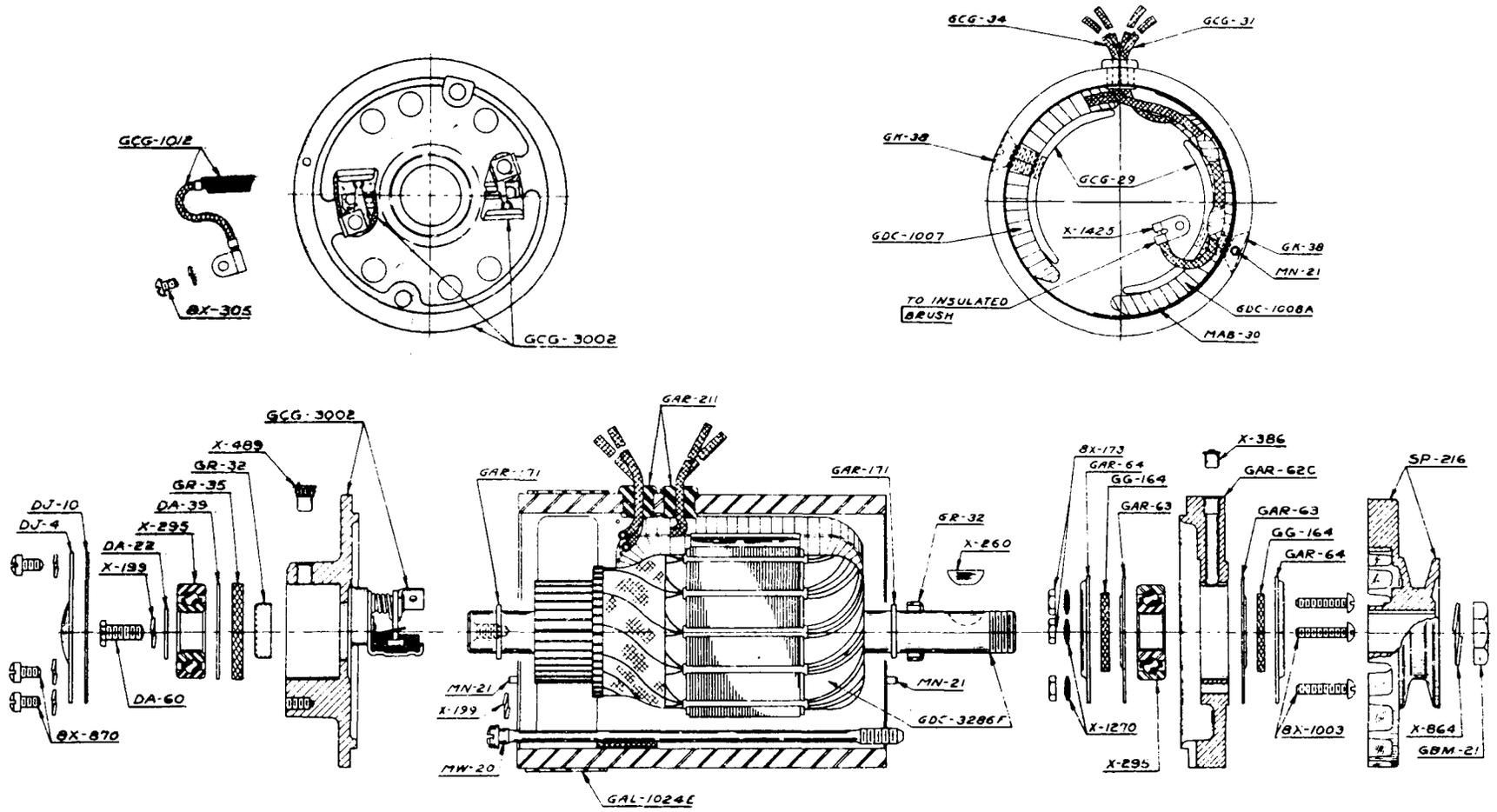
† Service Brush Set GCG-2012S.

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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."

GDC-4601A GENERATOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GDD-4801 GENERATOR PARTS LIST

GDD-4801

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
GCB-20	2	Frame Screw					DA-70	1	Armature Shaft Nut				
(GCW-3032)	1	Frame & Field Assembly					GDD-2058F	1	ARMATURE ASSEMBLY				
GAA-32	1	Terminal Post Top Ins.					X-160	1	7/16-20 Hex. Nut				
GAL-44	1	Field Connection Ins.					X-205	1	7/16 Lock Washer				
GBW-34	1	Insulating Washer					X-261	1	#6 Woodruff Key				
GBW-66	1	Terminal Post Bottom Ins.					<u>Drive End Head Assembly & Parts Used With</u>						
GBW-67	1	Terminal Post Bottom Ins.					GCE-1068	1	Drive End Head Assembly				
GBY-38	4	Pole Piece Screw					GAU-31	1	Felt Washer				
GCB-29	2	Pole Piece					GCE-68	1	Drive End Head				
GCE-60S	1	Mounting Bracket					GG-6	1	Bearing Retainer				
GCT-25	1	Insulating Bushing					GK-176	1	Felt Washer Retainer				
GCW-2005	1	FIELD COIL ASSY.- Comp.					GT-76	1	Felt Washer Retainer				
GEW-58	1	Terminal Post					GT-78	1	Felt Washer				
GCW-1007A	1	Field Coil Assy.-Left					X-196	3	#10 Lock Washer				
GCE-26	1	Control Lead					X-295	1	BALL BRG.- S.A.E. #203				
GCE-34	1	Terminal Post					SX-311	3	#10-32x3/8 Rd. Hd. Sc.				
X-847	1	Terminal					X-489	1	1/4 Oiler - Press in Type				
GCW-1008A	1	Field Coil Assy.-Right					<u>Miscellaneous Parts</u>						
IG-821	1	Terminal					GCE-24C	1	Head Band				
GCY-25	1	Insulating Bushing					SX-715	1	#10-32x1 1/4 Rd. Hd. Screw				
MN-21	2	Dowel Pin					SX-794	1	#10-32 Square Nut				
SX-113	2	5/16-24x5/8 Hex. Hd. Sc.							1	2	3	4	5
SX-177	1	#14-24 Hex. Nut					(Issued 5-19-41)						
X-193	1	#14 Lock Washer											
X-196	1	#10 Lock Washer											
SX-349	1	#10 Plain Washer											
SX-361	1	1/4 Plain Washer											
X-1014	2	5/16 Lock Washer											
SX-1377	1	#10-32 Hex. Nut											
SX-177	1	#14-24 Hex. Nut											
X-193	1	#14 Lock Washer											
X-196	2	#10 Lock Washer											
X-203	2	5/16 Lock Washer											
SX-321	1	#10-32x5/16 Rd. Hd. Screw											
SX-1377	1	#10-32 Hex. Nut											
<u>Comm. End Plate Assembly & Parts Used With</u>													
DA-22	1	Bearing Retaining Washer											
DA-39	1	Flat Oil Guard											
DA-60	1	Bearing Retaining Screw											
DH-7	1	Felt Washer											
GBJ-25	1	End Cap Cover Gasket											
GBJ-32	1	Comm. End Cap Cover											
GDD-3080	1	Comm. End Plate Assembly											
GCE-53	2	Brush Spring											
GCE-54	2	Brush Arm											
GDD-1012†	2	Brush - Main											
X-195	1	#8 Lock Washer											
SX-305	1	#8-32x1/4 Rd. Hd. Screw											
X-195	1	#8 Lock Washer											
X-199	1	1/4 Lock Washer											
X-295	1	BALL BEARING - S.A.E. #203											
SX-305	1	#8-32x1/4 Rd. Hd. Screw											
X-489	1	1/4 Oiler - Press in Type											
X-544	3	#10 Lock Washer											
SX-870	3	#10-32x5/16 Fill. Hd. Screw											
		1	2	3	4	5							

† SERVICE BRUSH SET GDD-2012S.

NOTE:- VRS-4005B CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GDD-4801	Kermath

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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

GDE-4101,A GENERATOR PARTS LIST

GDE-4101,A

Frame & Field Assembly & Parts Used With			Comm. End Head Assy. (Continued)						
Part No.	No. Used	Name of Part	Part No.	No. Used	Name of Part				
GAS-20A	2	Bolt, Thru	8X-61	1	Screw, Bearing Retaining, Flat Hd. #10-32x7/16				
(GAS-2163A)	1	Frame & Field Assy.	8X-63	3	Screw, Cover, Flat Hd. #8-32x3/8				
GAS-44	1	Insulation, Field Connection	X-293	1	BEARING, BALL, S.A.E. #201				
GAS-45	4	Holder, Field Coil	Armature Assembly & Parts Used With						
GAS-86	1	Lead Assy.	GDE-2076	1	ARMATURE ASSY.				
X-1423	1	Terminal	GAS-53	1	Snap Ring, D.E.				
GAS-121	1	Bushing, Insulating	IA-158	1	Snap Ring, C.E.				
GAS-2005D	1	COIL ASSY., FIELD, COMPLETE	*	1	Pulley, Drive				
GAS-1007B	1	Coil Assy., Field, Left	8X-160	1	Nut, Arm. Shaft				
X-1423	1	Terminal	X-1278	1	Washer, Shaft, Skpf. 7/16				
GAS-1008C	1	Coil, Field, Right	X-1460A	1	Key, Woodruff, #212				
MN-21	2	Pin, Dowel	Drive End Head Assembly & Parts Used With						
MZ-38A	2	Screw, Pole Shoe	GAS-1075E	1	Head Assy., Drive End				
X-755	2	Terminal	DB-13	1	Retainer, Felt Washer, Flat				
12X-544	2	Lockwasher, Thru Bolt, #10	GAS-73	1	Retainer, Felt Washer, Cupped				
Comm. End Head Assembly & Parts Used With			GAS-74	1	Retainer, Bearing				
IA-175	1	Washer, Felt Retaining, Plain	GAS-75B	1	Head				
GAS-69A	1	Cover, Comm. End	IGP-34	1	Wick, Felt				
GAS-70	1	Gasket, Cover, Comm. End	SC-127	1	Washer, Felt				
GAS-71	1	Washer, Bearing Retaining	8X-55	3	Screw, Retainer, Rd. Hd. #8-32x3/8				
GAS-77	1	Washer, Felt	X-195	3	Lockwasher, Retainer Sc., #8				
GAS-78	1	Retainer, Felt Washer	X-294	1	BEARING, BALL, S.A.E. #202				
GAS-2079G	1	Head Assy., Comm. End	X-489	1	Oiler				
GAS-51	2	Spring, Retaining, 3rd Brush Plate	Miscellaneous Parts						
GAS-79B	1	Head	GAS-1171A	1	Band, Cover				
GAS-2021R	1	Plate Assy., Main Brush	*	1	REGULATOR, TWO CHARGE				
GAL-31	1	Lead Assy., Ground	8X-118	1	Screw, Cover Band, Fill. Hd. #10-32x3/4				
X-958	2	Terminal	12X-196	4	Lockwasher, Regulator Mtg. Sc., #10				
GAS-15	2	Holder, Brush	8X-309	1	Screw, Regulator Mtg., Rd. Hd. #10-32x1/2				
GAS-17	1	Spring, Brush, Grounded	8X-321	3	Screw, Regulator Mtg., Rd. Hd. #10-32x5/16				
GAS-18	1	Spring, Brush, Insulated	† BRUSH SET, SERVICE GEM-2012S.						
GAS-1021R	1	Plate, Main Brush	* See table following parts list for part number applying to assembly wanted.						
GEM-12 †	2	Brush, Main	Assembly No.	Pulley	Regulator				
8X-122	1	Screw, Grounded Brush, Fill. Hd. #8-32x1/2	GDE-4101	None	TC-4301C				
X-195	2	Lockwasher, Brush Sc., #8	GDE-4101A	SP-864	TC-4328A				
8X-1496	1	Screw, Insulated Brush, Bdg. Hd. #8-32x7/16	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">UNIT</th> <th style="width: 50%;">APPLICATION</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">GDE-4101,A</td> <td style="text-align: center;">Indian</td> </tr> </tbody> </table>			UNIT	APPLICATION	GDE-4101,A	Indian
UNIT	APPLICATION								
GDE-4101,A	Indian								
GAS-2082R	1	Plate Assy., 3rd Brush	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">UNIT</th> <th style="width: 50%;">APPLICATION</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">GDE-4101,A</td> <td style="text-align: center;">Indian</td> </tr> </tbody> </table>			UNIT	APPLICATION	GDE-4101,A	Indian
UNIT	APPLICATION								
GDE-4101,A	Indian								
GAS-15	1	Holder, Brush							
GAS-17	1	Spring, Brush							
GAS-1082R	1	Plate, 3rd Brush							
GEM-13 †	1	Brush							
X-195	1	Lockwasher, Brush Sc., #8							
8X-1496	1	Screw, Brush, Bdg. Hd. #8-32x7/16							
8X-55	3	Screw, Plate, Rd. Hd. #8-32x3/8							
X-195	1	Lockwasher, Plate Sc., #8							
X-386	1	Oiler							

(Issued 10-15-48)

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

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GDE-4102 GENERATOR PARTS LIST

GDE-4102

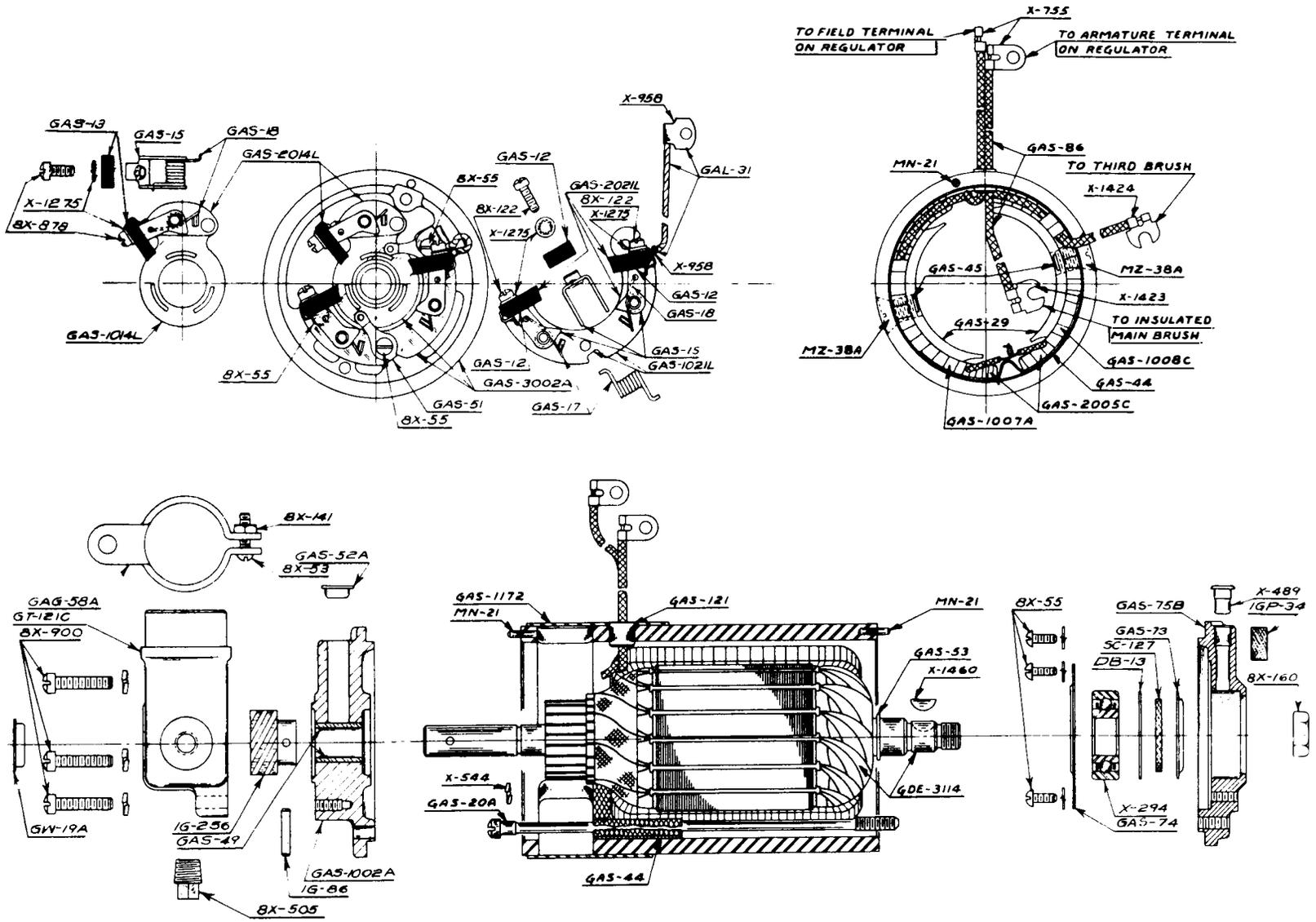
Frame & Field Assembly & Parts Used With					Drive End Head Assembly & Parts Used With								
Part No.	No. Used	Name of Part					Part No.	No. Used	Name of Part				
		1	2	3	4	5			1	2	3	4	5
GAS-20A	2	Frame Screw					GAS-1075D	1	Drive End Head Assy.				
(GAS-3169)	1	Frame & Field Assy.					DB-13	1	Flat Felt Guard.				
GAS-29	2	Pole Piece					GAS-73	1	Cupped Felt Guard				
GAS-44	1	Field Connection Ins.					GAS-74	1	Bearing Retainer				
GAS-45	4	Field Coil Holder					GAS-75B	1	Drive End Head				
GAS-86	1	C. B. Lead Assy.					IGP-34	1	Felt Wick				
X-1423	1	Terminal					SC-127	1	Felt Washer				
GAS-121	1	Insulating Bushing					8X-55	3	#8-32x3/8 Rd. Hd. Screw				
GAS-2005C	1	Field Coil Assy.-Comp.					X-195	3	#8 Lock Washer				
GAS-1007A	1	Field Coil Assy.-Left					X-294	1	Ball Brg. - S.A.E. #202				
X-1424	1	Terminal					X-489	1	1/4 Oiler - Press in Type				
GAS-1008C	1	Field Coil - Right					<u>Dist. Mounting Housing & Parts Used With</u>						
MN-21	2	Dowel Pin					GAG-58A	1	Dist. Mounting Housing Clamp				
MZ-38A	2	Pole Piece Screw					GAS-52A	1	Grease Hole Cover				
X-755	2	Terminal					GT-121C	1	Dist. Mounting Housing				
X-544	2	#10 Lock Washer					GW-19A	1	Bearing Cover				
<u>Comm. End Plate Assembly & Parts Used With</u>						IG-86	1	Dist. Drive Rivet					
(GAS-3002A)	1	Comm. End Plate Assy.					IG-256	1	Dist. Gear - Driver.				
GAS-51	2	3rd Br. Plate Retaining Spring					8X-53	1	#8-32x5/8 Rd. Hd. Screw				
GAS-1002A	1	Comm. End Plate Part Assy.					8X-141	1	#8-32 Hex. Nut				
GAS-49	1	Absorbent Bronze Brg.					8X-505	1	1/8 Pipe Plug				
GAS-2014L	1	3rd Brush Holder Plate Assy.					X-544	3	#10 Lock Washer				
GAS-13‡	1	Brush - Third					8X-900	3	#10-32x7/8 Fill. Hd. Screw				
GAS-15	1	Brush Holder					<u>Miscellaneous Parts</u>						
GAS-18	1	Brush Spring					GAS-1172	1	Head Band Assy.				
GAS-1014L	1	3rd Br. Holder Plate Part Assy.					TC-4305A	1	Two-Charge Regulator & Circuit Breaker				
8X-878	1	#8-32x7/16 Fill. Hd. Screw					8X-118	1	#10-32x3/4 Fill. Hd. Screw				
X-1275	1	#8 Skpf. Washer					X-196	4	#10 Lock Washer				
GAS-2021L	1	Brush Holder Plate Assy.					8X-321	4	#10-32x5/16 Rd. Hd. Screw				
GAL-31	1	Ground Connector Assy.					1	2	3	4	5		
X-958	2	Terminal - Side					(Issued 8/12/38)						
GAS-12‡	2	Brush - Main											
GAS-15	2	Brush Holder											
GAS-17	1	Brush Spring											
GAS-18	1	Brush Spring											
GAS-1021L	1	Brush Hldr. Plate Part Assy.											
8X-122	2	#8-32x1/2 Fill. Hd. Screw											
X-1275	2	#8 Skpf. Washer											
8X-55	3	#8-32x3/8 Rd. Hd. Screw											
X-195	1	#8 Lock Washer											
<u>Armature Assembly & Parts Used With</u>													
GAS-89	1	Armature Shaft Spacer											
GDE-3114	1	Armature Assy.											
GAS-53	1	Snap Ring											
8X-160	1	7/16-20 Hex. Nut											
X-1460	1	#212 Woodruff Key											
		1	2	3	4	5							

‡ Service Brush Set GAS-2012.

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GDE-4102 GENERATOR ILLUSTRATION

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GDE-4103 GENERATOR PARTS LIST

GDE-4103

Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part				
		1	2	3	4	5
GAS-20	2					Frame Screw
(GAS-3163)	1					Frame & Field Assembly
GAS-29	2					Pole Piece
GAS-44	1					Field Connection Ins.
GAS-45	4					Field Coil Holder
GAS-86	1					C. B. Lead Assembly
X-1423	1					Terminal
GAS-121	1					Insulating Bushing
GAS-2005C	1					FIELD COIL ASSY.- COMP.
GAS-1007A	1					Field Coil Assy.- Left
X-1424	1					Terminal
GAS-1008C	1					Field Coil - Right
MN-21	2					Dowel Pin
MZ-38	2					Pole Piece Screw
X-755	2					Terminal
X-544	2					#10 Lock Washer

Comm. End Plate Assy. & Parts Used With

GAS-69	1	Comm. End Cap Cover
GAS-70	1	End Cap Cover Gasket
GAS-71	1	Bearing Retaining Washer
GAS-77	1	Felt Washer
GAS-78	1	Felt Washer Retainer
(GAS-3068)	1	Comm. End Plate Assembly
GAS-51	2	3rd Brush Plate Retain- ing Spring
GAS-68	1	Comm. End Plate
GAS-2021L	1	Brush Holder Plate Assy.
GAL-31	1	Ground Connector Assy.
X-958	2	Terminal
GAS-121	2	Brush - Main
GAS-15	2	Brush Holder
GAS-17	1	Brush Spring
GAS-18	1	Brush Spring
GAS-1021L	1	Br. Holder Plate Part Assembly
8X-122	2	#8-32x1/2 Fill. Hd. Sc.
X-1275	2	#8 Skpf. Washer
GAS-2072L	1	3rd Brush Holder Plate Assembly
GAS-131	1	Brush - Third
GAS-15	1	Brush Holder
GAS-18	1	Brush Spring
GAS-1072L	1	3rd Brush Holder Plate Part Assembly
8X-878	1	#8-32x7/16 Fill. Hd. Sc.
X-1275	1	#8 Skpf. Washer
8X-55	3	#8-32x3/8 Rd. Hd. Screw
X-195	1	#8 Lock Washer
X-489	1	1/4 Oiler - Press in Type
IA-175	1	Flat Steel Washer
8X-61	1	#10-32x7/16 Flat Hd. Screw
X-63	3	#8-32x3/8 Flat Hd. Screw
X-293	1	BALL BEARING - S.A.E. #201
		1 2 3 4 5

Armature Assembly & Parts Used With

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

Drive End Head Assy. & Parts Used With

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

Miscellaneous Parts

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

(Issued 4-2-40)

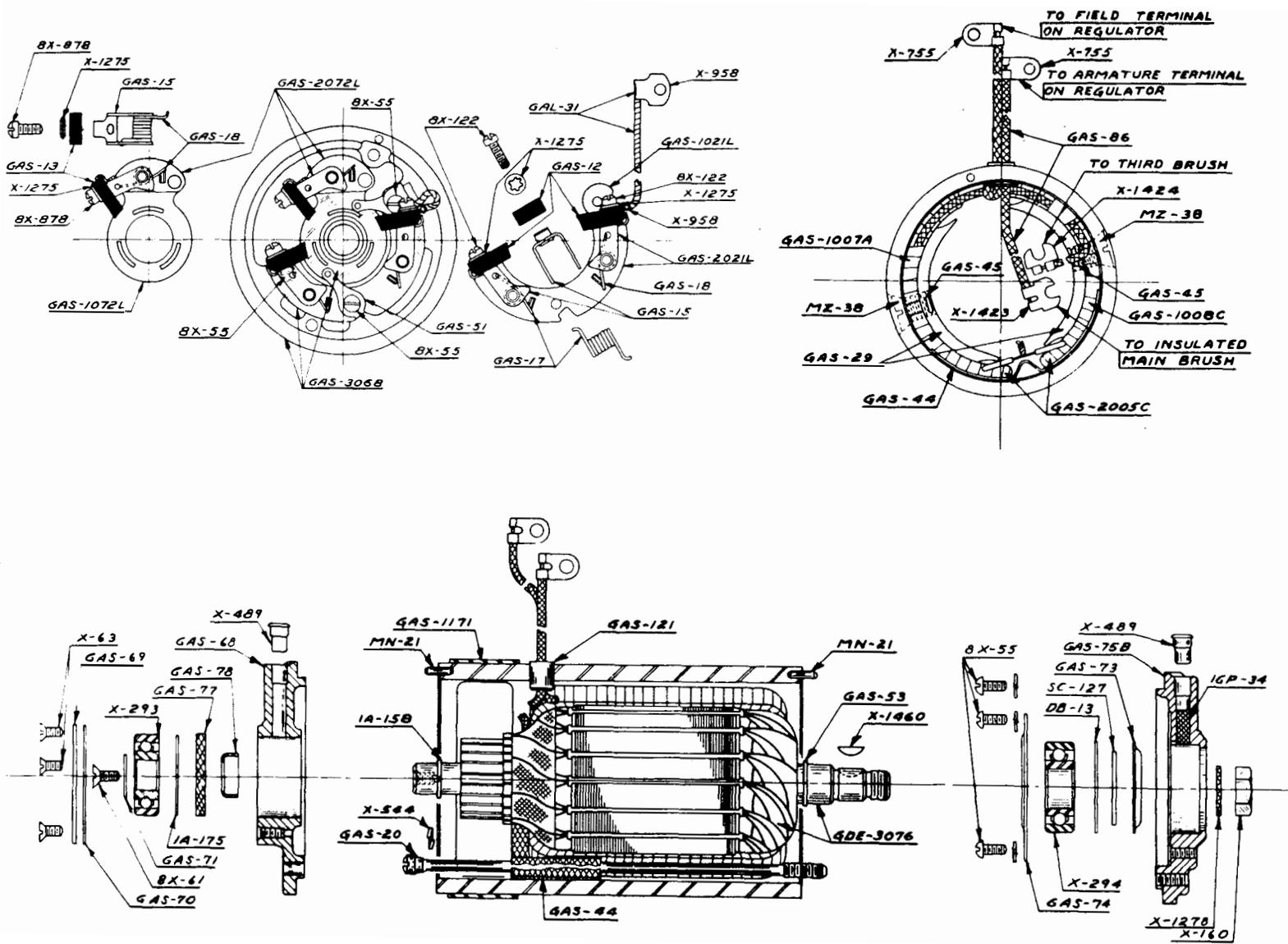
† Service BRUSH SET GAS-2012.

UNIT	APPLICATION
GDE-4103	Indian Motorcycle

Printed in U. S. A.

File in
Equipment & Parts List Binder

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GDE-4103 GENERATOR ILLUSTRATION

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GDE-4104 GENERATOR PARTS LIST

GDE-4104

Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part					
			1	2	3	4	5
GAS-20A	2	Frame Screw					
(GAS-3198)	1	Frame & Field Assembly					
GAS-29	2	Pole Piece					
GAS-44	1	Field Connection					
GAS-45	4	Field Coil Holder					
GAS-86	1	C. B. Lead Assembly					
X-1423	1	Terminal					
GAS-121	1	Insulating Bushing					
GAS-2005C	1	FIELD COIL ASSY.- COMP.					
GAS-1007A	1	Field Coil Assy.- Left					
X-1424	1	Terminal					
GAS-1008C	1	Field Coil - Right					
MN-21	2	Dowel Pin					
MZ-38A	2	Pole Piece Screw					
X-755	2	Terminal					
X-544	2	#10 Lock Washer					

Comm. End Plate Assy. & Parts Used With

GAS-52A	1	Grease Hole Cover					
(GAS-3197)	1	Comm. End Plate Assembly					
GAS-51	2	3rd Brush Plate Retaining Spring					
GAS-1197	1	C. E. Plate Part Assy.					
GAS-49	1	ABSORBENT BRONZE BRG.					
GAS-2014L	1	3rd Brush Holder Plate Assembly					
GAS-134	1	Brush - Third					
GAS-15	1	Brush Holder					
GAS-18	1	Brush Spring					
GAS-1014L	1	3rd Br. Holder Plate Part Assembly					
8X-878	1	#8-32x7/16 Fill. Hd.Sc.					
X-1275	1	#8 Skpf. Washer					
GAS-2021L	1	Brush Holder Plate Assy.					
GAL-31	1	Ground Connector Assy.					
X-958	2	Side Terminal					
GAS-124	2	Brush - Main					
GAS-15	2	Brush Holder					
GAS-17	1	Brush Spring					
GAS-18	1	Brush Spring					
GAS-1021L	1	Br. Holder Plate Part Assembly					
8X-122	2	#8-32x1/8 Fill.Hd.Sc.					
X-1275	2	#8 Skpf. Washer					
8X-55	3	#8-32x3/8 Rd. Hd. Screw					
X-195	1	#8 Lock Washer					
			1	2	3	4	5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part					
			1	2	3	4	5
GDE-3114	1	ARMATURE ASSEMBLY					
GAS-53	1	Snap Ring					
8X-160	1	7/16-20 Hex. Nut					
X-1278	1	7/16 Skpf. Washer					
X-1460	1	#212 Woodruff Key					

Drive End Head Assy. & Parts Used With

GAS-1075D	1	Drive End Head Assembly					
DB-13	1	Flat Felt Guard					
GAS-73	1	Cupped Felt Guard					
GAS-74	1	Bearing Retainer					
GAS-75B	1	Drive End Head					
IGP-34	1	Felt Wick					
SC-127	1	Felt Washer					
8X-55	3	#8-32x5/8 Rd. Hd. Sc.					
X-195	3	#8 Lock Washer					
X-294	1	BALL BRG. - S.A.E. #202					
X-489	1	1/4 Oiler - Press in Type					

Distributor Mtg. Housing & Parts Used With

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

Miscellaneous Parts

GAS-1172	1	Head Band Assembly					
TC-4305A	1	TWO CHARGE REGULATOR					
8X-118	1	#10-32x3/4 Fill. Hd. Screw					
X-196	4	#10 Lock Washer					
8X-321	4	#10-32x5/16 Rd. Hd. Screw					
			1	2	3	4	5

(Issued 12-28-39)

† Service BRUSH SET GAS-2012.

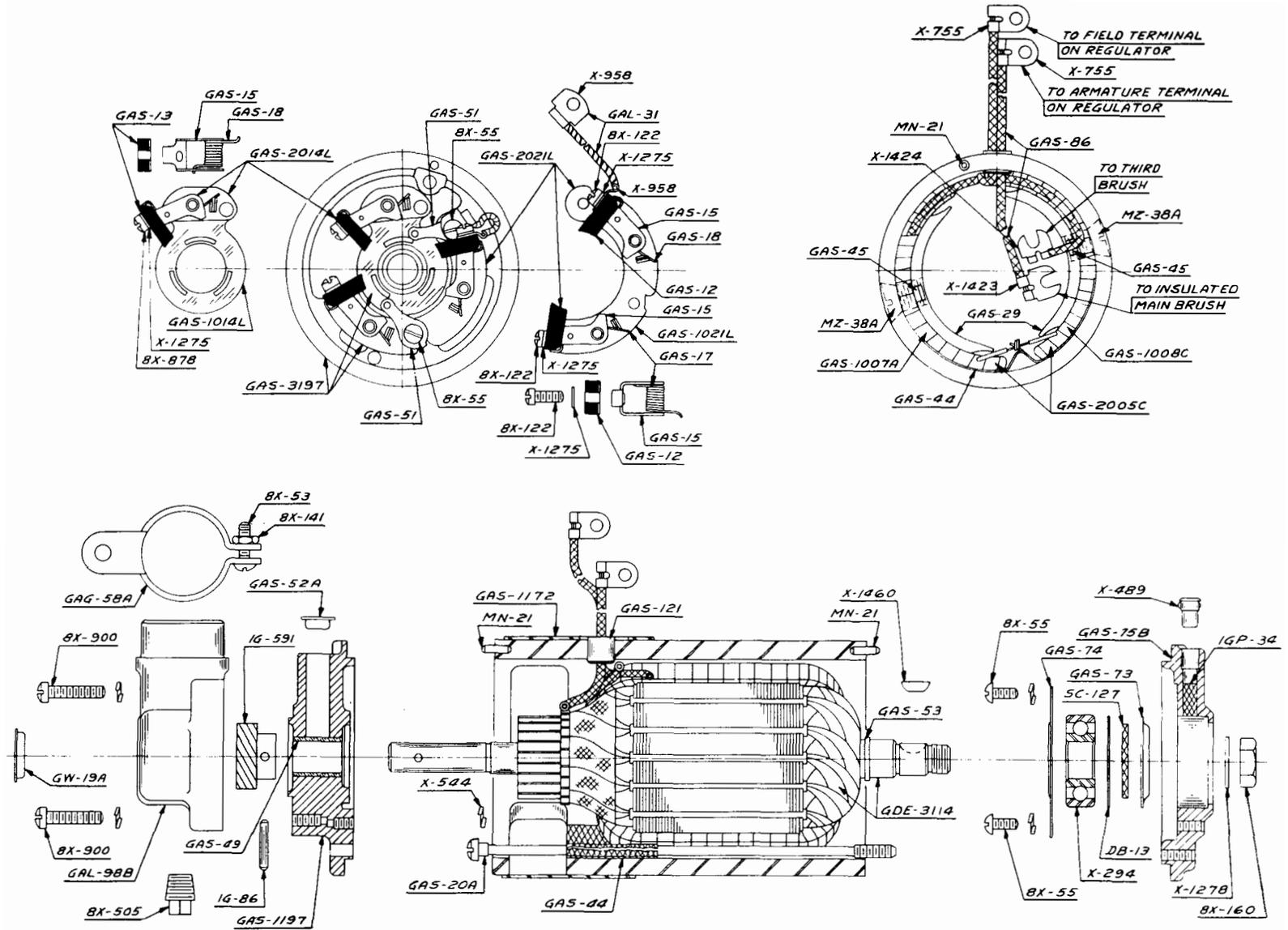
UNIT	APPLICATION
GDE-4104	Indian Motorcycle

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GDE-4104 GENERATOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GDE-4105 GENERATOR PARTS LIST

GDE-4105

Frame & Field Assy. & Parts Used With

Part No.	No. Used	Name of Part					
			1	2	3	4	5
GAS-20A	2	Frame Screw					
(GAS-3203)	1	Frame & Field Assembly					
GAS-29	2	Pole Piece					
GAS-40	2	Insulating Washer- Special					
GAS-41	2	Insulating Bushing					
GAS-44	1	Field Connection Ins.					
GAS-45	4	Field Coil Holder					
GAS-47	1	Terminal Lead Assembly					
GBF-36	1	Terminal Post					
X-1423	1	Terminal					
GAS-2005G	1	FIELD COIL ASSY.- COMP.					
GAS-1007A	1	Field Coil Assy.-Left					
X-1424	1	Terminal					
GAS-1008F	1	Field Coil - Right					
GBF-36	1	Terminal Post					
GBF-55	2	Insulating Washer					
MN-21	2	Dowel Pin					
MZ-38A	2	Pole Piece Screw					
X-1274	4	#10 Skpf. Washer					
8X-1377	2	#10-32 Hex. Nut					
12X-196	2	#10 Lock Washer					
X-544	2	#10 Lock Washer					
8X-1377	2	#10-32 Hex. Nut					

Comm. End Plate Assy. & Parts Used With

GAS-69A	1	Comm. End Cap Cover					
GAS-70	1	End Cap Cover Gasket					
GAS-71	1	Bearing Retaining Washer					
GAS-77	1	Felt Washer					
GAS-78	1	Felt Washer Retainer					
(GAS-3191)	1	Comm. End Plate Assembly					
GAS-51	2	3rd Brush Plate Retaining Spring					
GAS-191	1	Comm. End Plate					
GAS-2021L	1	Brush Holder Plate Assy.					
GAL-31	1	Ground Connector Assy.					
X-958	2	Terminal					
GAS-121	2	Brush - Main					
GAS-15	2	Brush Holder					
GAS-17	1	Brush Spring					
GAS-18	1	Brush Spring					
GAS-1021L	1	Br. Holder Plate Part Assembly					
8X-122	2	#8-32x1/2 Fill.Hd.Sc.					
X-1275	2	#8 Skpf. Washer					
GAS-2072LA	1	3rd Brush Holder Plate Assembly					
GAS-131	1	Brush - Third					
GAS-15	1	Brush Holder					
GAS-18	1	Brush Spring					
GAS-1072LA	1	3rd Brush Holder Plate Part Assembly					
8X-878	1	#8-32x7/16 Fill.Hd.Sc.					
X-1275	1	#8 Skpf. Washer					
8X-55	3	#8-32x3/8 Rd. Hd. Screw					
X-195	1	#8 Lock Washer					
X-489	1	1/4 Oiler - Press in Type					
IA-175	1	Flat Steel Washer					
8X-61	1	#10-32x7/16 Flat Hd. Screw					
8X-63	3	#8-32x3/8 Flat Hd. Screw					
X-293	1	BALL BEARING - S.A.E. #201					
			1	2	3	4	5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part					
			1	2	3	4	5
GDE-3076	1	ARMATURE ASSEMBLY					
GAS-53	1	Snap Ring					
IA-158	1	Snap Ring					
8X-160	1	7/16-20 Hex. Nut					
X-1278	1	7/16 Skpf. Washer					
X-1460	1	#212 Woodruff Key					

Drive End Head Assy. & Parts Used With

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

Miscellaneous Parts

GAS-204	2	Lead Assembly					
X-755	4	Terminal					
GAS-1201	1	Head Band Assembly					
TC-4305A	1	TWO CHARGE REGULATOR					
X-118	1	#10-32x3/4 Fill. Hd. Screw					
X-196	4	#10 Lock Washer					
8X-309	1	#10-32x1/2 Rd. Hd. Screw					
8X-321	3	#10-32x5/16 Rd. Hd. Screw					
			1	2	3	4	5

(Issued 12-28-39)

† Service BRUSH SET GAS-2012.

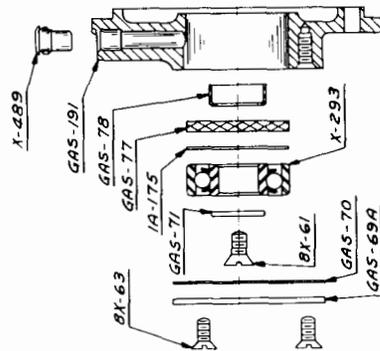
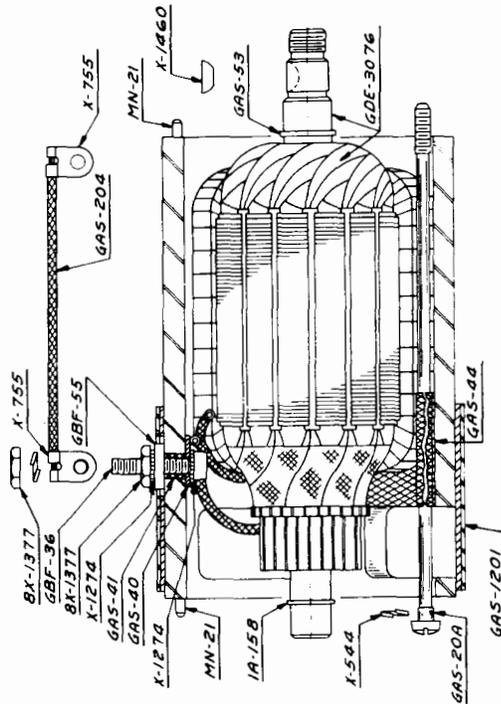
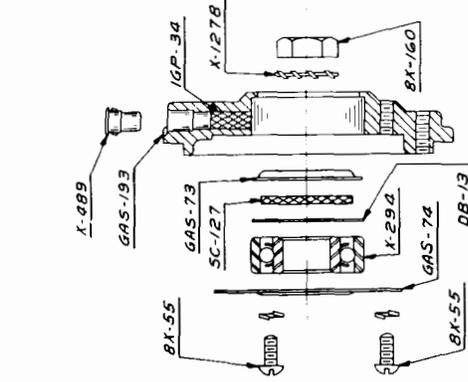
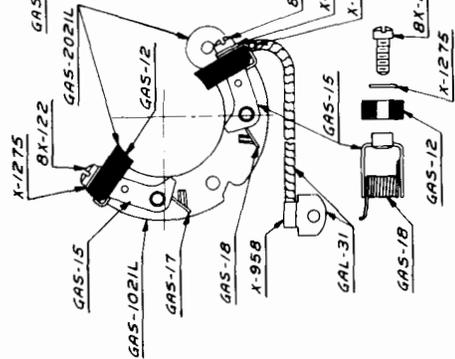
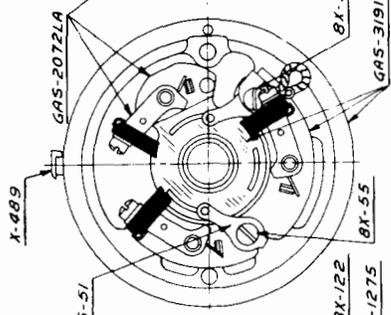
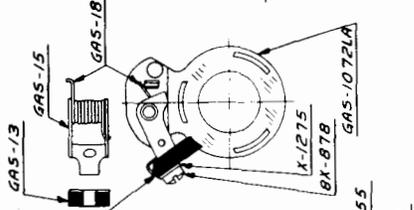
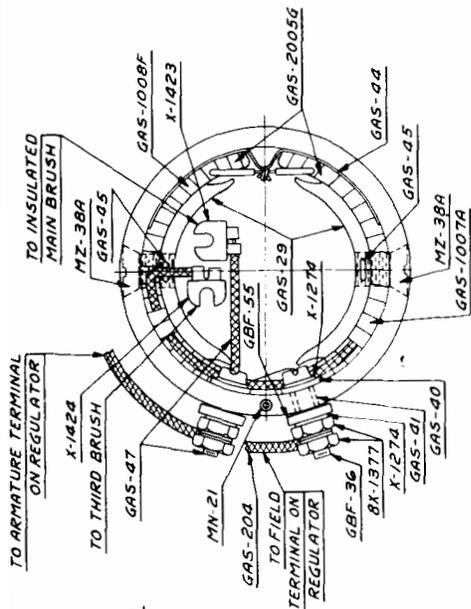
UNIT	APPLICATION
GDE-4105	Indian Motorcycle

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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."

GDE-4105 GENERATOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GDE-4106 GENERATOR PARTS LIST

GDE-4106

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
GAS-20A	2	Frame Screw					GDE-3237	1	ARMATURE ASSEMBLY				
(GAS-3203)	1	Frame & Field Assy.					GAS-53	1	Snap Ring				
GAS-29	2	Pole Piece					IA-158	1	Snap Ring				
GAS-40	2	Ins. Washer-Special					8X-159	1	3/8-24 Hex. Nut				
GAS-41	2	Ins. Bushing					X-1277	1	3/8 Skpf. Washer				
GAS-44	1	Field Connection Ins.					X-1460	1	#212 Woodruff Key				
GAS-45	4	Field Coil Holder					<u>Drive End Head Assembly & Parts Used With</u>						
GAS-47	1	Terminal Lead Assy.					GAS-1193	1	Drive End Head Assy.				
GBF-36	1	Terminal Post					DB-13	1	Flat Felt Guard				
X-1423	1	Terminal					GAS-73	1	Cupped Felt Guard				
GAS-2005G	1	FIELD COIL ASSY.-Comp.					GAS-74	1	Bearing Retainer				
GAS-1007A	1	Field Coil Assy.-Left					GAS-193	1	Drive End Head				
X-1424	1	Terminal					IGP-34	1	Felt Wick				
GAS-1008F	1	Field Coil - Right					SC-127	1	Felt Washer				
GBF-36	1	Terminal Post					8X-55	3	#8-32x3/8 Rd. Hd. Screw				
GBF-55	2	Ins. Washer					X-195	3	#8 Lock Washer				
MN-21	2	Dowel Pin					X-294	1	BALL BRG. - S.A.E. #202				
MZ-38	2	Pole Piece Screw					X-489	1	1/4 Oiler-Press in Type				
X-1274	4	#10 Skpf. Washer					<u>Miscellaneous Parts</u>						
8X-1377	2	#10-32 Hex. Nut					GAS-204	2	Lead Assembly				
12X-196	2	#10 Lock Washer					X-755	2	Terminal				
X-544	2	#10 Lock Washer					GAS-1201	1	Head Band Assy.				
8X-1377	2	#10-32 Hex. Nut					TC-4305A	1	TWO CHARGE REGULATOR				
<u>Comm. End Head Assembly & Parts Used With</u>						8X-118	1	#10-32x3/4 Fill. Hd. Screw					
GAS-69A	1	Comm. End Cap Cover					X-196	4	#10 Lock Washer				
GAS-70	1	End Cap Cover Gasket					8X-309	1	#10-32x1/2 Rd. Hd. Screw				
GAS-71	1	Bearing Retaining Washer					8X-321	3	#10-32x5/16 Rd. Hd. Screw				
GAS-77	1	Felt Washer							1	2	3	4	5
GAS-78	1	Felt Washer Retainer					(Issued 11-28-41)						
(GAS-3191)	1	Comm. End Head Assy.											
GAS-51	2	3rd Brush Plate Ret'g Spring											
GAS-191	1	Comm. End Plate											
GAS-2021L	1	Brush Holder Plate Assy.											
GAL-31	1	Ground Connector Assembly											
X-958	2	Terminal											
GAS-15	2	Brush Holder											
GAS-17	1	Brush Spring											
GAS-18	1	Brush Spring											
GAS-1021L	1	Br. Holder Plate Part Assembly											
GEM-12†	2	Brush - Main											
8X-122	2	#8-32x1/2 Fill.Hd.Sc.											
X-1275	2	#8 Skpf. Washer											
GAS-2072LA	1	3rd Br. Holder Plate Assembly											
GAS-15	1	Brush Holder											
GAS-18	1	Brush Spring											
GAS-1072LA	1	3rd Br. Holder Plate Part Assy.											
GEM-13†	1	Brush - Third											
8X-878	1	#8-32x7/16 Fill. Hd. Screw											
X-1275	1	#8 Skpf. Washer											
8X-55	3	#8-32x3/8 Rd. Hd. Sc.											
X-195†	1	#8 Lock Washer											
X-489	1	1/4 Oiler-Press in Type											
IA-175	1	Flat Steel Washer											
8X-61	1	#10-32x7/16 Flat Hd. Screw											
8X-63	3	#8-32x3/8 Flat Hd. Screw											
X-293	1	BALL BRG. - S.A.E. #201											
		1	2	3	4	5							

† Service BRUSH SET GEM-20125.

UNIT	APPLICATION
GDE-4106	Indian Motorcycle

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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

GDE-4107 GENERATOR PARTS LIST

GDE-4107

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
GAS-20A	2	Frame Screw					GDE-3262	1	ARMATURE ASSEMBLY				
(GAS-3265)	1	Frame & Field Assy.					GAS-53	1	Snap Ring				
GAS-29	2	Pole Piece					8X-159	1	3/8-24 Hex. Nut				
GAS-40	2	Ins. Washer-Special					X-1277	1	3/8 Skpf. Washer				
GAS-41	2	Ins. Bushing					X-1460	1	#212 Woodruff Key				
GAS-44	1	Field Connection Ins.					<u>Drive End Head Assembly & Parts Used With</u>						
GAS-45	4	Field Coil Holder					GAS-1266	1	Drive End Head Assy.				
GAS-267	1	Terminal Post					DB-13	1	Flat Felt Guard				
GAS-268	1	Lead Assembly					GAS-73	1	Cupped Felt Guard				
GAS-267	1	Terminal Post					GAS-74	1	Bearing Retainer				
X-1423	1	Terminal					GAS-266	1	Drive End Head				
GAS-2005G	1	FIELD COIL ASSY.-Comp.					IGP-34	1	Felt Wick				
GAS-1007A	1	Field Coil Assy.-Left					SC-127	1	Felt Washer				
X-1424	1	Terminal					8X-55	3	#8-32x3/8 Rd. Hd. Screw				
GAS-1008F	1	Field Coil - Right					X-195	3	#8 Lock Washer				
GBP-55	2	Ins. Washer					X-294	1	BALL BRG. - S.A.E. #202				
MN-21	2	Dowel Pin					X-489	1	1/4 Oiler-Press in Type				
MZ-38	2	Pole Piece Screw					<u>Dist. Mounting Housing & Parts Used With</u>						
8X-1274	4	#10 Skpf. Washer					GDE-44	1	Dist. Mounting Housing				
8X-1377	2	#10-32 Hex. Nut					GE-67	1	Dist. Gear - Driver				
12X-196	2	#10 Lock Washer					GW-19A	1	Bearing Cover				
8X-1377	2	#10-32 Hex. Nut					IG-86	1	Hinge Pin				
<u>Comm. End Head Assembly & Parts Used With</u>						GAS-318	1	#10-32x5/8 Rd. Hd. Screw					
GAS-52A	1	Grease Hole Cover					8X-505	1	1/8 Pipe Plug				
(GAS-3261)	1	Comm. End Head Assy.					X-544	4	#10 Lock Washer				
GAS-51	2	3rd Br. Plate Retaining Spring					8X-900	3	#10-32x7/8 Fill. Hd. Screw				
GAS-1261	1	C.E. Head Part Assy.					<u>Miscellaneous Parts</u>						
GAS-49	1	ABSORBENT BRONZE BRG.					GAS-204	2	Lead Assembly				
GAS-2014L	1	3rd Br. Holder Plate Assembly					X-755	2	Terminal				
GAS-15	1	Brush Holder					GAS-1264	1	Head Band Assembly				
GAS-18	1	Brush Spring					TC-4328A	1	TWO CHARGE REGULATOR				
GAS-1014L	1	3rd Br. Holder Plate Part Assy.					8X-118	1	#10-32x3/4 Fill. Hd. Screw				
GEM-13†	1	Brush - Third					X-196	4	#10 Lock Washer				
8X-878	1	#8-32x7/16 Fill. Hd. Screw					8X-309	1	#10-32x1/2 Rd. Hd. Screw				
X-1275	1	#8 Skpf. Washer					8X-321	3	#10-32x5/16 Rd. Hd. Screw				
GAS-2021L	1	Brush Holder Plate Assy.							1	2	3	4	5
GAL-31	1	Ground Connector Assembly					(Issued 11-28-41)						
X-958	2	Terminal											
GAS-15	2	Brush Holder											
GAS-17	1	Brush Spring											
GAS-18	1	Brush Spring											
GAS-1021L	1	Brush Holder Plate Part Assy.											
GEM-12†	2	Brush - Main											
8X-122	2	#8-32x1/2 Fill.Hd.Sc.											
X-1275	2	#8 Skpf. Washer											
8X-55	3	#8-32x3/8 Rd. Hd. Screw											
X-195	1	#8 Lock Washer											
		1	2	3	4	5							

† Service BRUSH SET GEM-2012S.

UNIT	APPLICATION
GDE-4107	Indian Motorcycle

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