

# ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GEH-4806 GENERATOR PARTS LIST

GEH-4806

PRELIMINARY

## Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part				
		1	2	3	4	5
DK-23A	2					Frame Screw
(GEH-2025)	1					Frame & Field Assembly
GAA-32	1					Terminal Post Top Ins.
GAL-44	1					Field Connection Ins.
GBW-34	1					Insulating Washer
GBW-66	1					Terminal Post Bottom Ins.
GBW-67	1					Terminal Post Bottom Ins.
GBY-38	2					Pole Piece Screw
GC-26	1					Insulating Washer
GCT-25	1					Insulating Bushing
GCY-25	1					Insulating Bushing
GEB-29	2					Pole Piece
GEH-1005	1					FIELD COIL ASSY.- Comp.
GEA-30	1					Lead Assembly
X-847	1					Terminal
GEB-27	1					Terminal Post
GEB-58	1					Terminal Post
GEH-1007A	1					Field Coil - Left
GEH-1008A	1					Field Coil - Right
MN-21	2					Dowel Pin
5X-177	1					#14-24 Hex. Nut
X-193	1					#14 Lock Washer
X-196	1					#10 Lock Washer
8X-349	1					#10 Plain Washer
8X-361	1					1/4 Plain Washer
5X-1377	1					#10-32 Hex. Nut
5X-177	1					#14-24 Hex. Nut
X-193	1					#14 Lock Washer
X-196	2					#10 Lock Washer
X-203	2					5/16 Lock Washer
8X-321	1					#10-32x5/16 Rd. Hd. Screw
5X-1377	1					#10-32 Hex. Nut

## Comm. End Plate Assembly & Parts Used With

DA-39	2					Flat Oil Guard
DA-132	1					Felt Washer
DH-7	1					Felt Washer
GAR-83	1					Comm. End Cap Cover
GBJ-25	1					End Cap Cover Gasket
GCE-55	1					Air Deflector
GCE-2050	1					Comm. End Plate Assembly
GCE-53	2					Brush Spring
GCE-54	2					Brush Arm
GCE-1012†	2					Brush - Main
X-195	1					#8 Lock Washer
8X-305	1					#8-32x1/4 Rd. Hd. Sc.
8X-62	6					#10-32x3/8 Flat Hd. Screw
X-195	1					#8 Lock Washer
X-295	1					BALL BEARING - S.A.E. #203
8X-305	1					#8-32x1/4 Rd. Hd. Screw
X-489	1					1/4 Oiler - Press in Type
		1	2	3	4	5

## Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part				
		1	2	3	4	5
DG-73	1					Armature Shaft Sleeve
DG-75	1					Bearing Spacer
GBM-21	1					Armature Shaft Nut
GEH-2063F	1					ARMATURE ASSEMBLY
SP-230	1					Ventilating Fan
X-258	1					#3 Woodruff Key
X-864	1					.669 Lock Washer

## Drive End Head Assembly & Parts Used With

GCE-1064	1					Drive End Head Assembly
DG-72	2					Felt Guard - With Oil Well
DG-74	2					Bearing Retainer
G-118	2					Felt Washer
GCE-64	1					Drive End Head
8X-173	3					#10-32 Hex. Nut
X-196	3					#10 Lock Washer
X-300	1					BALL BRG. - S.A.E. #205
8X-306	3					#10-32x1 Rd. Hd. Screw
X-489	1					1/4 Oiler - Press in Type

## Miscellaneous Parts

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

(Issued 7-2-41)

† SERVICE BRUSH SET GCE-2012S.

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

UNIT	APPLICATION
GEH-4806	Ward LaFrance

Printed in U. S. A.

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

GEH-4807 GENERATOR PARTS LIST

GEH-4807

PRELIMINARY

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part				
		1	2	3	4	5
DK-23A	2					Frame Screw
(GEH-2074)	1					Frame & Field Assy.
GAA-32	1					Term. Post Top Ins.
GAL-44	1					Field Connection Ins.
GEW-34	1					Insulating Washer
GEW-66	1					Term. Post Bottom Ins.
GEW-67	1					Term. Post Bottom Ins.
GBY-38	2					Pole Piece Screw
GC-26	1					Insulating Washer
GCT-25	1					Insulating Bushing
GCY-25	1					Insulating Bushing
GEB-29	2					Pole Piece
GEH-1005	1					FIELD COIL ASSY.-Comp.
GEA-30	1					Lead Assembly
X-847	1					Terminal
GEB-27	1					Terminal Post
GEB-58	1					Terminal Post
GEH-1007A	1					Field Coil - Left
GEH-1008A	1					Field Coil - Right
MN-21	2					Dowel Pin
5X-177	1					#14-24 Hex. Nut
X-193	1					#14 Lock Washer
X-196	1					#10 Lock Washer
8X-349	1					#10 Plain Washer
8X-361	1					1/4 Plain Washer
5X-1377	1					#10-32 Hex. Nut
5X-177	1					#14-24 Hex. Nut
X-193	1					#14 Lock Washer
X-196	2					#10 Lock Washer
X-203	2					5/16 Lock Washer
8X-321	1					#10-32x5/16 Rd. Hd. Sc.
5X-1377	1					#10-32 Hex. Nut

Comm. End Head Assembly & Parts Used With

DA-22	1	Bearing Retaining Washer
DA-39	1	Flat Oil Guard
DA-60	1	Bearing Retaining Screw
DH-7	1	Felt Washer
GBJ-25	1	End Cap Cover Gasket
GBJ-32	1	Comm. End Cap Cover
GCE-2081	1	Comm. End Head Assy.
GCE-53	2	Brush Spring
GCE-54	2	Brush Arm
GCE-1012†	2	Brush - Main
X-195	1	#8 Lock Washer
8X-305	1	#8-32x1/4 Rd. Hd. Sc.
X-195	1	#8 Lock Washer
X-199	1	1/4 Lock Washer
X-295	1	BALL BRG. - S.A.E. #203
8X-305	1	#8-32x1/4 Rd. Hd. Screw
X-489	1	1/4 Oiler-Press in Type
X-544	3	#10 Lock Washer
8X-870	3	#10-32x5/16 Fill. Hd. Sc.
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part				
		1	2	3	4	5
GEH-2126F	1					ARMATURE ASSEMBLY
GJ-104	1					Armature Shaft Spacer
GJ-179	1					7/16 Plain Washer
X-160	1					7/16-20 Hex. Nut
X-205	1					7/16 Lock Washer
X-261	1					#6 Woodruff Key

Drive End Head Assembly & Parts Used With

GCE-1068	1	Drive End Head Assy.
GAU-31	1	Felt Washer
GCE-68	1	Drive End Head
GG-6	1	Bearing Retainer
GK-176	1	Felt Washer Retainer
GT-76	1	Felt Washer Retainer
GT-78	1	Felt Washer
X-196	3	#10 Lock Washer
X-295	1	BALL BRG. - S.A.E. #203
8X-311	3	#10-32x3/8 Rd. Hd. Sc.
X-489	1	1/4 Oiler-Press in Type

Miscellaneous Parts

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

(Issued 12-2-41)

† Service BRUSH SET GCE-2012S.

NOTE:- VRS-4007B CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GEH-4807	Kermath

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Equipment & Parts List Binder

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# ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GEH-4808 GENERATOR PARTS LIST

GEH-4808

PRELIMINARY

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part					
			1	2	3	4	5
DK-23A	2	Frame Screw					
(GEH-3073)	1	Frame & Field Assy.					
GAA-32	1	Term. Post Top Ins.					
GAL-44	1	Field Connection Ins.					
GBW-34	1	Insulating Washer					
GBW-66	1	Term. Post Bottom Ins.					
GBW-67	1	Term. Post Bottom Ins.					
GBY-38	2	Pole Piece Screw					
GC-26	1	Insulating Washer					
GCT-25	1	Insulating Bushing					
GCY-25	1	Insulating Bushing					
GEB-29	2	Pole Piece					
GEH-2005	1	FIELD COIL ASSY.-Comp.					
GEA-30	1	Lead Assembly					
X-847	1	Terminal					
GEB-27	1	Terminal Post					
GEB-58	1	Terminal Post					
GEH-1007	1	Field Coil - Left					
GEH-1008	1	Field Coil - Right					
MN-21	2	Dowel Pin					
5X-177	1	#1 1/4-24 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	#1 1/4-24 Hex. Nut					
X-193	1	#14 Lock Washer					
X-196	2	#10 Lock Washer					
X-203	2	5/16 Lock Washer					
8X-321	1	#10-32x5/16 Rd. Hd. Sc.					
5X-1377	1	#10-32 Hex. Nut					

Comm. End Head Assembly & Parts Used With

DA-22	1	Bearing Retaining Washer					
DA-39	1	Flat Oil Guard					
DA-60	1	Bearing Retaining Screw					
DH-7	1	Felt Washer					
GBJ-25	1	End Cap Cover Gasket					
GBJ-32	1	Comm. End Cap Cover					
GCB-3080	1	Comm. End Head Assy.					
GCE-53	2	Brush Spring					
GCE-54	2	Brush Arm					
GCE-1012†	2	Brush - Main					
X-195	1	#8 Lock Washer					
8X-305	1	#8-32x1/4 Rd. Hd. Sc.					
X-195	1	#8 Lock Washer					
X-199	1	1/4 Lock Washer					
X-295	1	BALL BRG. - S.A.E. #203					
8X-305	1	#8-32x1/4 Rd. Hd. Screw					
X-489	1	1/4 Oiler-Press in Type					
X-544	3	#10 Lock Washer					
8X-870	3	#10-32x5/16 Fill. Hd. Sc.					
			1	2	3	4	5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part					
			1	2	3	4	5
GEH-2126F	1	ARMATURE ASSEMBLY					
GJ-104	1	Armature Shaft Spacer					
GJ-179	1	7/16 Plain Washer					
X-160	1	7/16-20 Hex. Nut					
X-205	1	7/16 Lock Washer					
X-261	1	#6 Woodruff Key					

Drive End Head Assembly & Parts Used With

GCE-1068	1	Drive End Head Assy.					
GAU-31	1	Felt Washer					
GCE-68	1	Drive End Head					
GG-6	1	Bearing Retainer					
GK-176	1	Felt Washer Retainer					
GT-76	1	Felt Washer Retainer					
GT-78	1	Felt Washer					
X-196	3	#10 Lock Washer					
X-295	1	BALL BRG. - S.A.E. #203					
8X-311	3	#10-32x3/8 Rd. Hd. Sc.					
X-489	1	1/4 Oiler-Press in Type					

Miscellaneous Parts

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

(Issued 12-2-41)

† Service BRUSH SET GCE-2012S.

NOTE:- VRS-4007B CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GEH-4808	Kermath

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# ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GEH-4812 GENERATOR PARTS LIST

GEH-4812  
(Issued 3-29-51)

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
DK-23C	2	Bolt, Thru	GCE-3080	1	Head Assy., Comm. End
(GEH-3036)	1	Frame & Field Assy.	GCE-53	2	Spring, Brush
GAA-32	1	Washer, Ins., Arm. Term. Outer	GCE-54	2	Arm, Brush
GBW-34	1	Washer, Ins., Field Term. Outer	GCE-1012*	2	Brush
GBW-66	1	Insulation, Arm. Term., Inner	12X-195	2	Lockwasher, Lead Sc., #8
GBW-67	1	Insulation, Field Term., Inner	X-295	1	BEARING, BALL, S. A. E. #203
GBY-38A	2	Screw, Pole Shoe	8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
GC-26	1	Washer, Ins., Arm. Term., Outer	X-489	1	Oiler
GCT-25	1	Bushing, Ins., Arm. Term.	8X-726	3	Screw, C. E. Cover, Bdg. Hd. #10-32x7/16
GCY-25	1	Bushing, Ins., Field Term.	X-1270	3	Washer, Cover Screw, Skpf. #10
GEH-2005	1	COIL ASSY., FIELD, COMPLETE	<u>Armature Assembly &amp; Parts Used With</u>		
GEA-30A	1	Lead Assy.	GAR-1177	1	Oil Thrower
X-847	1	Terminal	GBM-21B	1	Nut, Shaft, C. E.
GEB-27	1	Stud, Arm. Term., #14-24	GEH-2128F	1	ARMATURE
GEB-58	1	Stud, Field Term., #10-32	SP-230A	1	Ventilating Fan
GEH-1007	1	Coil, Field, Left	X-157	1	Nut, Arm. Shaft, D. E.
GEH-1008	1	Coil, Field, Right	X-258	1	Key, Woodruff, Fan, #3
MN-21	2	Pin, Dowel	X-260	1	Key, Woodruff, C. E., #5
8X-177	2	Nut, Arm. Term., Hex. #14-24	X-263	1	Key, Woodruff, D. E., #8
12X-196	2	Lockwasher, Field Term., #10	X-358	1	Washer, Plain, Arm. Shaft, D. E.
12X-199	2	Lockwasher, Arm. Term., 1/4	X-404	1	Pin, Cotter, 3/32x1
8X-349	1	Washer, Plain, Field Term., #10	12X-864	1	Lockwasher, Arm. Shaft, C. E.
8X-361	1	Washer, Plain, Arm. Term., 1/4	<u>Drive End Head Assembly &amp; Parts Used With</u>		
8X-1377	2	Nut, Field Term., Hex. #10-32	GCE-1076	1	Head Assy., Drive End
12X-196	1	Lockwasher, Grd. Sc., #10	GCE-76	1	Head, D. E.
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16	GGW-52	3	Screw, Retainer, Rd. Hd. #10-32x1/2
12X-1014	2	Lockwasher, Thru Bolt, 5/16	GX-9	1	Retainer, Bearing
<u>Comm. End Head Assembly &amp; Parts Used With</u>			GX-10	1	Gasket, Retainer
DA-39	2	Washer, Plain	12X-196	3	Lockwasher, Retainer Sc., #10
DA-132	1	Washer, Felt	X-378	1	BEARING, BALL, SHIELDED, S. A. E. #204
DH-7	1	Washer, Felt, C. E., Inner	<u>Miscellaneous Parts</u>		
GAR-83A	1	Cover, Comm. End	GCE-24	1	Band, Cover
GBJ-25	1	Gasket, Comm. End, Cover	8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
			8X-794	1	Nut, Cover Band, Square #10-32

\* GCE-2012S BRUSH SET, SERVICE.

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

UNIT	APPLICATION
GEH-4812	Lathrop Engine

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# ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GEH-4816 GENERATOR PARTS LIST

GEH-4816

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
DK-23	2	Bolt, Thru
(GEH-2025)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term., Outer
GBW-34	1	Washer, Ins., Field Term., Outer
GBW-66	1	Insulation, Arm. Term., Inner
GBW-67	1	Insulation, Field Term., Inner
GBY-38A	2	Screw, Pole Shoe
GC-26	1	Washer, Ins., Arm. Term., Outer
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Field Term.
GEH-1005	1	COIL ASSY., FIELD, COMPLETE
GEB-27	1	Stud, Arm. Term., #14-24
GEB-58	1	Stud, Field Term., #10-32
GEB-90A	1	Lead Assembly
X-847	1	Terminal
GEH-1007A	1	Coil, Field, Left
GEH-1008A	1	Coil, Field, Right
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term., Hex. #14-24
12X-193	2	Lockwasher, Arm. Term., #14
12X-196	2	Lockwasher, Field Term., #10
8X-349	1	Washer, Field Term., Plain #10
8X-361	1	Washer, Arm. Term., Plain 1/4
8X-1377	2	Nut, Field Term., Hex. #10-32
12X-196	1	Lockwasher, Ground Sc., #10
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16
12X-1014	2	Lockwasher, Thru Bolt, 5/16

Comm. End Head Assembly & Parts Used With

DA-39	2	Washer, Plain, Felt Retaining
DA-132	1	Felt Washer, C.E. Outer
DH-7	1	Felt Washer, C.E. Inner
GAR-83A	1	Cover, Comm. End
GBJ-25	1	Gasket, C.E. Cover
GCE-2050	1	Head Assy., Comm. End
GCE-53	2	Spring, Brush
GCE-54	2	Arm, Brush
GCE-1012†	2	Brush

Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
X-195	2	Washer, Lock, Br. Lead, #8
X-295	1	BEARING, BALL, S.A.E. #203
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler
8X-726	3	Screw, C.E. Cover, Bdg. Hd. #10-32x7/16
X-1270	3	Washer, Cover Sc., Skpf. #10

Armature Assembly & Parts Used With

GBM-21B	1	Nut, Arm. Shaft, C.E.
GEH-46	1	Spacer, Arm. Shaft
GEH-47	1	Oil Thrower
GEH-2063F	1	ARMATURE
SP-230A	1	Fan, Ventilating
X-258	1	Key, Woodruff, #3
12X-864	1	Lockwasher, Shaft, C.E.

Drive End Head Assy. & Parts Used With

GEH-1003S	1	Head Assy., Drive End
DG-72	1	Retainer, Brg., Inner
G-118	2	Washer, Felt
GEH-3S	1	Head, Drive End
GEH-44	1	Retainer, Brg., Outer
GEH-45	2	Retainer, Felt Washer
8X-173	3	Nut, Retainer Sc., Hex. #10-32
12X-196	3	Lockwasher, Retainer Screw, #10
X-300	1	BEARING, BALL, S.A.E. #205
8X-306	3	Screw, Retainer, Rd. Hd. #10-32x1
X-489	1	Oiler

Miscellaneous Parts

GCE-24	1	Band, Cover
X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GCE-2012S.

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

UNIT	APPLICATION
GEH-4816	Continental

(Issued 3-6-50)

Printed in U. S. A.

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# ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GEH-4818M GENERATOR PARTS LIST

GEH-4818M

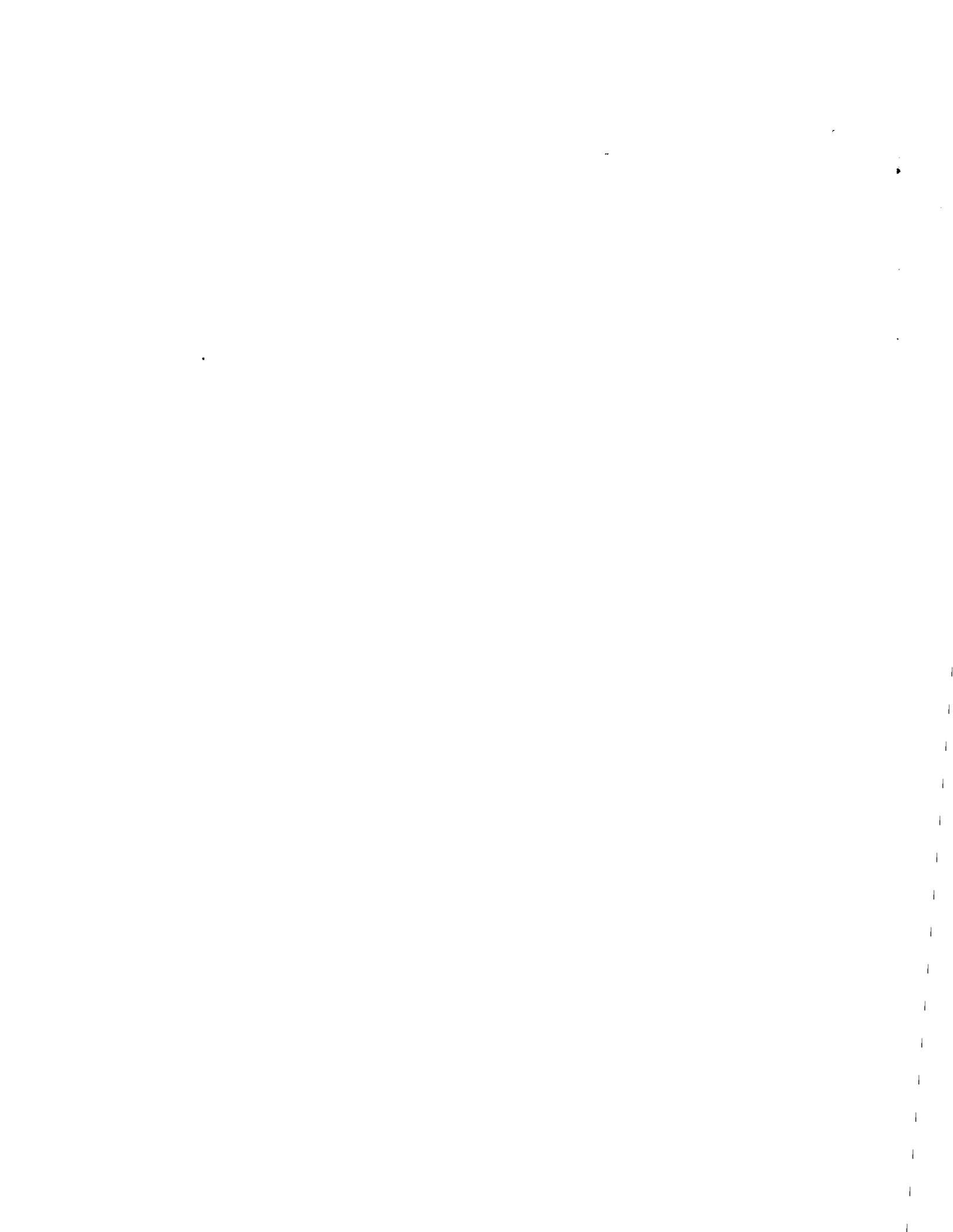
Frame & Field Assembly & Parts Used With			Comm. End Head Assembly (Continued)						
Part No.	No. Used	Name of Part	Part No.	No. Used	Name of Part				
DK-23C	2	Bolt, Thru	GCE-1012†	2	Brush				
(GEH-3083)	1	Frame & Field Assy.	X-10	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4				
GBW-66	1	Insulation, Field Term., Inner	12X-195	2	Lockwasher, Brush Lead Sc., #8				
GBY-38C	2	Screw, Pole Shoe	X-295	1	BEARING, BALL, S.A.E. #203				
GCE-60S	1	Bracket, Gen. Mtg.	X-489A	1	Oiler				
GCY-28A	1	Bushing, Ins., Arm. Term.	19X-726	3	Screw, C.E. Cover, Bdg. Hd. #10-32x7/16				
GDW-22	1	Insulation, Arm. Term., Inner	X-1270	3	Washer, Cover Sc., Skpf. #10				
GDW-44	1	Washer, Ins., Field Term., Outer	<u>Armature Assembly &amp; Parts Used With</u>						
GEH-2005C	1	COIL ASSY., FIELD, COMPLETE	GBM-21B	1	Nut, Shaft, C.E.				
GDW-23A	1	Stud, Arm. Term., 5/16-24	GEB-86	1	Spacer, Armature Shaft				
GDW-28A	1	Stud, Field Term., 1/4-28	GEH-2138FM	1	ARMATURE				
GEA-30A	1	Lead Assy.	SP-230B	1	Fan, Ventilating				
X-847	1	Terminal	X-258	1	Key, Woodruff, #3, C.E.				
GEH-1007D	1	Coil, Field, Left	X-266	1	Key, Woodruff, #A, D.E.				
GEH-1008C	1	Coil, Field, Right	12X-864	1	Lockwasher, Shaft, C.E.				
GFL-23	1	Bushing, Ins., Field. Term.	12X-1018	1	Lockwasher, Shaft, D.E.				
GGE-35	1	Washer, Ins., Arm. Term., Outer	8X-1134	1	Washer, Shaft, D.E., Plain				
MN-21A	2	Pin, Dowel	19X-1178	1	Nut, Shaft, D.E.				
MU-37G	1	Washer, Plain, Arm. Term.	<u>Drive End Head Assembly &amp; Parts Used With</u>						
19X-113	2	Screw, Mtg. Brkt., Hex. Hd. 5/16-24x5/8	GCE-1139A	1	Head Assy., Drive End				
X-180	2	Nut, Arm. Term., Hex. 5/16-24	GBC-74	1	Washer, Felt, Inner				
X-187	1	Washer, Plain, Field Term., #14	GBC-75	1	Washer, Felt, Outer				
12X-199	2	Lockwasher, Field Term., 1/4	GBC-76A	2	Retainer, Felt Washer				
12X-1014	4	Lockwasher, Arm. Term. & Bracket Sc., 5/16	GBC-77A	1	Retainer, Bearing				
X-2903	2	Nut, Field Term., Hex. 1/4-28	GCE-139A	1	Head, Drive End				
X-20	1	Screw, Ground, Rd. Hd. #10-32x5/16	SA-31	1	Wick, Felt				
12X-196	1	Lockwasher, Ground Screw, #10	X-21	3	Screw, Brg. Retainer, Rd. Hd. #10-32x3/8				
12X-1014	2	Lockwasher, Thru Bolt, 5/16	12X-196	3	Lockwasher, Retainer Sc., #10				
<u>Comm. End Head Assembly &amp; Parts Used With</u>			X-444	1	BEARING, BALL, S.A.E. #305				
DA-39A	2	Washer, Plain, Brg. Retaining	X-489A	1	Oiler				
DA-132	1	Washer, Felt, C.E., Outer	<u>Miscellaneous Parts</u>						
DH-7	1	Washer, Felt C.E., Inner	GEB-24A	1	Band, Cover				
GAR-83C	1	Cover, Comm. End	X-2875	1	Nut, Cover Band, Square #10-32				
GBJ-25	1	Gasket, C.E. Cover	X-2882	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2				
GCE-3080A	1	Head Assy., Comm. End	<u>† BRUSH SET, SERVICE GCE-2012S.</u>						
GCE-53A	2	Spring, Brush	NOTE: VRS-4102CM CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.						
GCE-54A	2	Arm, Brush	<table border="1" style="margin: auto; border-collapse: collapse;"> <tr> <td style="padding: 2px;">UNIT</td> <td style="padding: 2px;">APPLICATION</td> </tr> <tr> <td style="padding: 2px;">GEH-4818M</td> <td style="padding: 2px;">Kahlenberg Bros.</td> </tr> </table>			UNIT	APPLICATION	GEH-4818M	Kahlenberg Bros.
UNIT	APPLICATION								
GEH-4818M	Kahlenberg Bros.								

(Issued 6-27-49)

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



# ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GEH-4819-2 GENERATOR PARTS LIST

GEH-4819-2

## Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
DK-23	2	Bolt, Thru
(GEH-2048A)	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term. Outer
GAL-44	1	Insulation, Field Conn.
GBW-34	1	Washer, Field Term. Ins. Outer
GBW-66	1	Insulation, Arm. Term. Inner
GBW-67	1	Insulation, Field Term. Inner
GBY-38	2	Screw, Pole Shoe
GC-26	1	Washer, Ins., Arm. Term. Outer
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Field Term.
GEH-1005	1	COIL ASSY., FIELD, COMP.
GEB-27	1	Stud, Arm. Term., #14-24
GEB-58	1	Stud, Field Term., #10-32
GEB-90A	1	Lead Assy.
X-847	1	Terminal
GEH-1007A	1	Coil, Field, Left
GEH-1008A	1	Coil, Field, Right
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term., Hex. #14-24
X-193	2	Lockwasher, Arm. Term., #14
X-196	2	Lockwasher, Field Term., #10
8X-349	1	Washer, Field Term., Plain #10
8X-361	1	Washer, Arm. Term., Plain 1/4
8X-1377	2	Nut, Field Term., Hex. #10-32
X-196	1	Lockwasher, Ground Screw, #10
8X-321	1	Screw, Ground, Rd. Hd., #10-32x5/16
X-1014	2	Lockwasher, Thru Bolt, 5/16

## Comm. End Head Assembly & Parts Used With

DA-39	2	Flat Oil Guard
DA-132	1	Felt Washer
DH-7	1	Felt Washer
GAR-83A	1	Cover, Comm. End
GBJ-25	1	Gasket, Comm. End Cover
GEH-2002	1	Head Assy., Comm. End
GCE-53	2	Spring, Brush
GCE-54	2	Arm, Brush
GCE-1012 †	2	Brush
X-195	2	Lockwasher, Brush Lead, #8

## Comm. End Head Assembly (Con't.)

Part No.	No. Used	Name of Part
X-295	1	BEARING, BALL, S.A.E. #203
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler, Hinge Top, Press in, 1/4
8X-726	3	Screw, Attaching, C.E. Cover, Bdg. Hd. #10-32x7/16
X-1270	3	Washer, Skpf., C.E. Cover Sc., #10

## Armature Assembly & Parts Used With

DA-70	1	Nut, Armature Shaft
GBM-21B	1	Nut, Armature Shaft, Hex., .669-20
GEH-2062F	1	ARMATURE
SP-494	1	Fan, Ventilating
X-160	1	Nut, Armature Shaft, D.E. Hex. 7/16-20
X-205	1	Lockwasher, Shaft, D.E., 7/16
X-258	1	Key, Woodruff, #3
X-261	1	Key, Woodruff, #6
X-864	1	Lockwasher, Arm. Shaft

## Drive End Head Assembly & Parts Used With

GCE-2048	1	Head Assy., Drive End
GAU-31	1	Washer, Felt, Inner
GCE-48	1	Head
GG-6	1	Retainer, Bearing
GK-176	1	Retainer, Felt, Inner
GT-76	1	Retainer, Felt, Outer
GT-78	1	Washer, Felt, Outer
X-196	3	Lockwasher, #10
X-295	1	BEARING, BALL, S.A.E. #203
8X-311	3	Screw, Rd. Hd. #10-32x3/8
X-489	1	Oiler, Press in Type, 1/4

## Miscellaneous Parts

GCE-24	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

NOTE: - VRX-4002B CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

† BRUSH SET, SERVICE GCE-2012S.

UNIT	APPLICATION
GEH-4819-2	Hall Scott

(Issued 6-15-48)

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



# ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GEH-4820A-2 GENERATOR PARTS LIST

GEH-4820A-2

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
DK-23	2	Bolt, Thru					8X-305	2	Screw, Brush Lead, Rd. Hd., #8-32x1/4				
(GEH-2056A)	1	Frame & Field Assy.					8X-870	3	Screw, Cover, Fil. Hd., #10-32x5/16				
GAA-32	1	Washer, Ins., Arm. Term. Outer					X-1655	1	Bearing, Ball, Shielded, S.A.E. #203				
GAL-44	1	Insulation, Field Connection					<u>Armature Assembly &amp; Parts Used With</u>						
GBW-34	1	Washer, Ins., Field Term., Outer					GEG-31	1	Spacer, Shaft				
GBW-66	1	Insulation, Arm. Term., Inner					GEH-2120F	1	Armature				
GBW-67	1	Insulation, Field Term., Inner					GEW-31	1	Washer, Plain, Shaft				
GBY-38A	2	Screw, Pole Shoe					SP-818	1	Pulley, Drive				
GC-26	1	Washer, Ins., Arm. Term., Outer					X-156	1	Nut, Shaft, Castellated, 1/2-20				
GCT-25	1	Bushing, Ins., Arm. Term.					X-260	1	Key, Woodruff, #5				
GCY-25	1	Bushing, Ins., Field Term.					X-404	1	Pin, Cotter, 3/32x1				
GEH-1005	1	Coil Assy., Field, Comp.					<u>Drive End Head Assembly &amp; Parts Used With</u>						
GEA-30A	1	Lead Assy.					GCE-1119A	1	Head Assy., Drive End				
X-847	1	Terminal					DA-39	1	Washer, Felt Retaining				
GEB-27	1	Stud, Arm. Term., #14-24					GAU-31	1	Washer, Felt, Inner				
GEB-58	1	Stud, Field Term., #10-32					GCE-119A	1	Head, Drive End				
GEH-1007A	1	Coil, Left					GG-6	1	Retainer, Bearing				
GEH-1008A	1	Coil, Right					GT-78	1	Washer, Felt, Outer				
MN-21	2	Pin, Dowel					X-196	3	Lockwasher, Retainer Screw., #10				
8X-177	2	Nut, Arm. Term., Hex., #14-24					8X-311	3	Screw, Retainer, Rd. Hd., #10-32x3/8				
12X-193	2	Lockwasher, Arm. Term., #14					X-1655	1	Bearing, Ball, Shielded, S.A.E. #203				
12X-196	2	Lockwasher, Field Term., #10					<u>Miscellaneous Parts</u>						
8X-349	1	Washer, Plain, Field Term., #10					GCE-24	1	Band, Cover				
8X-361	1	Washer, Plain, Arm. Term. 1/4					8X-715	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/4				
8X-1377	2	Nut, Field Term. Hex., #10-32					8X-794	1	Nut, Square, #10-32				
12X-196	1	Lockwasher, Ground Screw, #10							1	2	3	4	5
12X-1014	2	Lockwasher, Thru Bolt, 5/16					NOTE:- VRX-4003D Current-Voltage Regulator is used with but is not a part of this generator.						
8X-1368	1	Screw, Ground, Rd. Hd., #10-32x7/16					† Brush Set, Service GCE-2012S.						
<u>Comm. End Head Assembly &amp; Parts Used With</u>													
DA-22	1	Washer, Bearing Retainer											
DA-60	1	Screw, Bearing Retainer											
DH-7	1	Washer Felt, C.E., Inner											
GBJ-25	1	Gasket, Comm. End Cover											
GBJ-32A	1	Cover, Comm. End											
GCE-2118A	1	Head Assy., Comm. End											
GCE-53	2	Spring, Brush											
GCE-54	2	Arm, Brush											
GCE-1012†	2	Brush											
X-195	1	Washer Lock, #8											
8X-305	1	Screw, Rd. Hd., #7-32x1/4											
X-195	2	Lockwasher, Brush Lead Sc., #8											
12X-196	3	Lockwasher, Cover Screw, #10											
X-199	1	Lockwasher, Brg. Retaining Sc. 1/4											
		1	2	3	4	5							

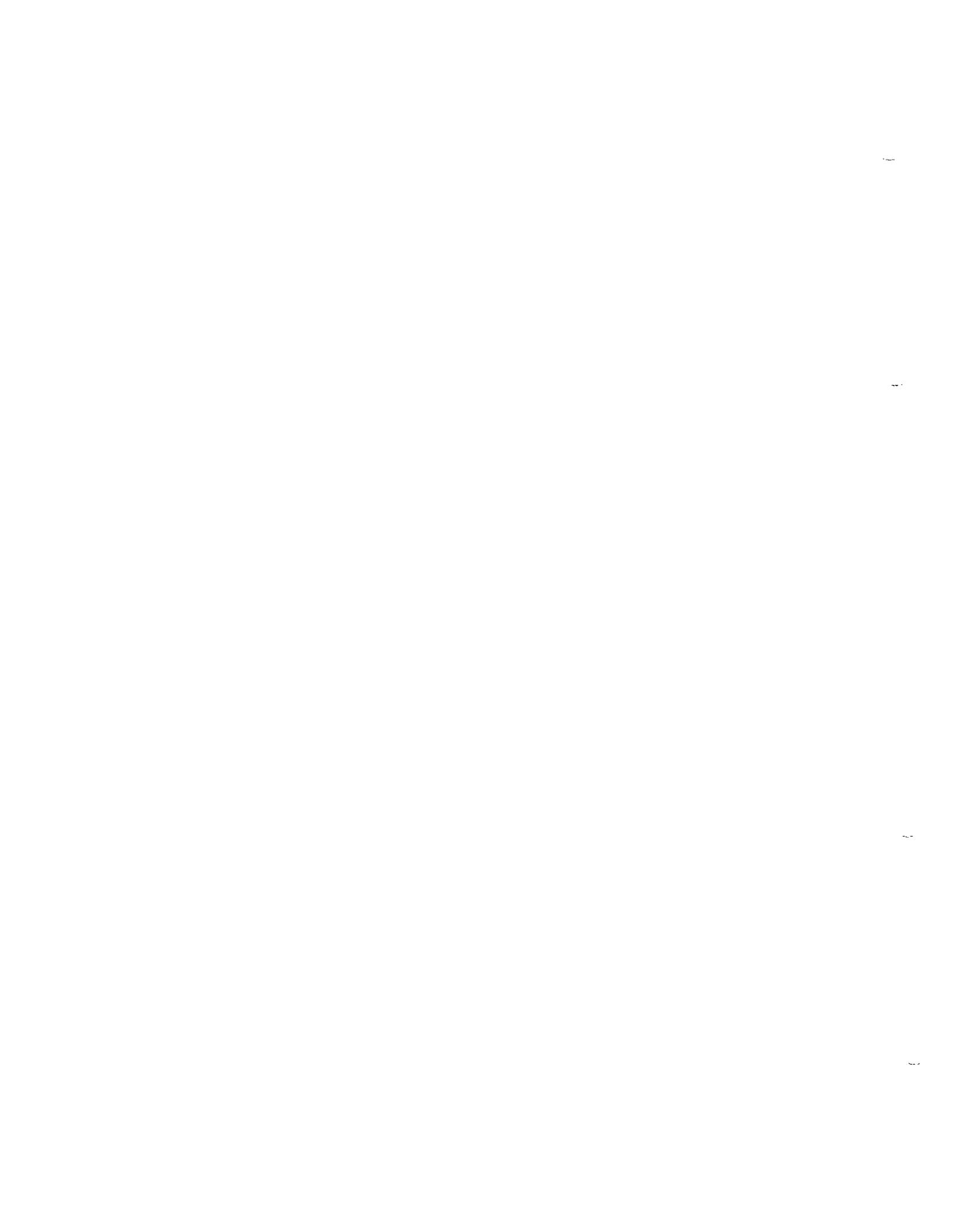
Unit	Application
GEH-4820A-2	Buda

(Issued 1-14-47)

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



# ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GEH-4821A-2, B-2 GENERATOR PARTS LIST

GEH-4821A-2,  
B-2

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		
DK-23	2	Bolt, Thru					8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4						
(GEH-2082)	1	Frame & Field Assy.					X-489	1	Oiler, Hinge Top, Press in, 1/4						
GAA-32	1	Washer, Ins., Arm. Term., Outer					X-870	3	Screw, Cover, Fil. Hd. #10-32x5/16						
GAL-44	1	Insulation, Field Connection					<u>Armature Assembly &amp; Parts Used With</u>								
GBW-34	1	Washer, Ins., Field Term., Outer					GBG-49	1	Spacer, Armature Shaft						
GBW-66	1	Ins., Arm. Term., Inner					GEH-2142F	1	Armature						
GBW-67	1	Ins., Field Term., Inner					GFR-56	1	Spacer, Armature Shaft, Outer						
GBY-38	2	Screw, Pole Shoe					*	1	Pulley, Drive						
GC-26	1	Washer, Ins., Arm. Term., Outer					*	1	Pin, Cotter, 3/32x1 1/8						
GCT-25	1	Bushing, Ins., Arm. Term.					X-1018	1	Washer, Lock, 5/8						
GCY-25	1	Bushing, Ins., Field Term.					X-1717	1	Nut, Castellated, Hex., 5/8-18						
GEH-1005	1	Coil Assy., Field, Complete					<u>Drive End Head Assembly &amp; Parts Used With</u>								
GEA-30A	1	Lead Assy.					GEH-1084	1	Head Assy., Drive End						
X-847	1	Terminal					GBG-57	1	Retainer, Felt Washer						
GEB-27	1	Stud, Arm. Term., #14-24					GBG-58	1	Washer, Felt Retaining						
GEB-58	1	Stud, Field Term., #10-32					GBG-182	1	Gasket						
GEH-1007A	1	Coil, Left					GBG-1181	1	Retainer Assy., Bearing						
GEH-1008A	1	Coil, Right					GBG-57	1	Retainer, Felt Washer						
MN-21	2	Pin, Dowel, Head Locating					GBG-58	1	Washer, Felt						
8X-177	2	Nut, Arm. Term., Hex., #14-24					GBG-181	1	Retainer, Bearing						
X-193	2	Lockwasher, Arm. Term., #14					GEH-84	1	Head						
X-196	2	Lockwasher, Field Term., #10					8X-119	4	Screw, Bearing Retainer Fil. Hd., #10-32x1/2						
8X-349	1	Washer, Plain, Field Term., #10					X-196	4	Lockwasher Retainer Sc. #10						
8X-361	1	Washer, Plain, Arm. Term., 1/4					X-444	1	Bearing, Ball S.A.E. #305						
8X-1377	2	Nut, Field Term., Hex., #10-32					X-489	1	Oiler, Press in Type, 1/4						
X-196	1	Lockwasher, Ground Screw, #10					<u>Miscellaneous Parts</u>								
8X-321	1	Screw, Ground, Rd. Hd. #10-32x 5/16					GCE-24C	1	Band, Cover						
X-1014	2	Lockwasher, Thru Bolt, 5/16					8X-715	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/4						
<u>Comm. End Head Assembly &amp; Parts Used With</u>					8X-794	1	Nut, Cover Band, Square #10-32 1 2 3 4 5								
DA-22	1	Washer, Bearing Retaining					NOTE:- VRX-4003D Current-Voltage Regulator is used with but is not a part of this generator.								
DA-39	1	Washer, Plain. Brg. Retaining					† Brush Set, Service GCE-2012S.								
DA-60	1	Screw, Bearing Retaining					Assembly No.	Pulley	Cotter Pin						
DH-7	1	Washer, Felt, C.E. Inner					GEH-4821A-2	SP-820	X-405						
GBJ-25	1	Gasket, Comm. End Cover					GEH-4821B-2	SP-847	None						
GBJ-32A	1	Cover, Comm. End					<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;">GEH-4821A-2, B-2</td> <td style="padding: 5px;">Continental</td> </tr> </table>					Unit	Application	GEH-4821A-2, B-2	Continental
Unit	Application														
GEH-4821A-2, B-2	Continental														
GCE-2118	1	Head Assy., Comm. End													
GCE-53	2	Spring, Brush													
GCE-54	2	Arm, Brush													
GCE-1012†	2	Brush													
X-195	2	Lockwasher, Brush Lead Sc. #8													
X-196	3	Lockwasher, Cover Screw, #10													
X-199	1	Lockwasher, Brg. Retaining Sc., 1/4													
X-295	1	Bearing, Ball, S.A.E. #203 1 2 3 4 5													

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# ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GEH-4822A-2,B-2 GENERATOR PARTS LIST

GEH-4822A-2,B-2

Frame & Field Assembly & Parts Used With			Comm. End Head Assembly & Parts (Cont'd.)								
Part No.	No. Used	Name of Part	Part No.	No. Used	Name of Part						
DK-23	2	Bolt, Thru	12X-195	2	Lockwasher, Brush Lead Sc., #8						
(GEH-2082)	1	Frame & Field Assy.	12X-196	3	Lockwasher, Cover Screw, #10						
GAA-32	1	Washer, Ins., Arm. Term., Outer	12X-199	1	Lockwasher, Brg. Retaining Screw, 1/4						
GBW-34	1	Washer, Ins., Field Term., Outer	X-295	1	BEARING, BALL, S.A.E. #203						
GBW-66	1	Insulation, Arm. Term., Inner	8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4						
GBW-67	1	Insulation, Field Term., Inner	X-489	1	Oiler						
GBY-38A	2	Screw, Pole Shoe	X-870	3	Screw, Cover, Fill. Hd., #10-32x5/16						
GC-26	1	Washer, Ins., Arm. Term., Outer									
GCT-25	1	Bushing, Ins., Arm. Term.	<b>Armature Assembly &amp; Parts Used With</b>								
GCY-25	1	Bushing, Ins., Field Term.	GBM-21B	1	Nut, Arm. Shaft, D.E.						
GEH-1005	1	COIL ASSY., FIELD, COMPLETE	GEH-28	1	Spacer, Armature Shaft						
GEB-27	1	Stud, Arm. Term., #14-24	GEH-2144F	1	ARMATURE						
GEB-58	1	Stud, Field Term., #10-32	*	1	Pulley, Drive						
GEB-90A	1	Lead Assy.	X-263	1	Key, Woodruff, D.E., #8						
X-847	1	Terminal	12X-864	1	Lockwasher, Shaft, D.E.						
GEH-1007A	1	Coil, Field, Left	<b>Drive End Head Assembly &amp; Parts Used With</b>								
GEH-1008A	1	Coil, Field, Right	GEH-1027B	1	Head Assy., Drive End						
MN-21	2	Pin, Dowel	DB-17	1	Washer, Felt Retaining, Outer						
8X-177	2	Nut, Arm. Term., Hex. #14-24	GAR-95	2	Washer, Felt						
X-193	2	Lockwasher, Arm. Term., #14	GBC-25	1	Retainer, Felt Washer Inner						
X-196	2	Lockwasher, Field Term., #10	GEH-27B	1	Head, Drive End						
8X-349	1	Washer, Plain, Field Term., #10	GX-9	1	Retainer, Bearing						
8X-361	1	Washer, Plain, Arm. Term., 1/4	12X-196	3	Lockwasher, Retainer Sc., #10						
8X-1377	2	Nut, Field Term., Hex. #10-32	X-298	1	BEARING, BALL, S.A.E. #204						
12X-196	1	Lockwasher, Ground Screw, #10	8X-311	3	Screw, Bearing Retainer, Rd. Hd. #10-32x3/8						
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16	X-489	1	Oiler						
12X-1014	2	Lockwasher, Thru Bolt, 5/16	<b>Miscellaneous Parts</b>								
<b>Comm. End Head Assembly &amp; Parts Used With</b>			GCE-24	1	Band, Cover						
DA-22	1	Washer, Bearing Retaining	8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2						
DA-39	1	Washer, Plain, Felt Retaining	8X-794	1	Nut, Cover Band, Square #10-32						
DA-60	1	Screw, Bearing, Retaining	* See table following parts list for part number applying to assembly wanted.								
DH-7	1	Washer, Felt, Comm. End	Assembly No.	Pulley							
GBJ-25	1	Gasket, Comm. End Cover	GEH-4822A-2	SP-828							
GBJ-32A	1	Cover, Comm. End	GEH-4822B-2	SP-829							
GCE-2118E	1	Head Assy., Comm. End	NOTE: VRX-4003BX CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.								
GCE-53	2	Spring, Brush	<table border="1" style="margin: auto;"> <tr> <th style="padding: 2px;">UNIT</th> <th style="padding: 2px;">APPLICATION</th> </tr> <tr> <td style="padding: 2px;">GEH-4822A-2</td> <td style="padding: 2px;">Continental</td> </tr> <tr> <td style="padding: 2px;">GEH-4822B-2</td> <td style="padding: 2px;">Ward La France</td> </tr> </table>			UNIT	APPLICATION	GEH-4822A-2	Continental	GEH-4822B-2	Ward La France
UNIT	APPLICATION										
GEH-4822A-2	Continental										
GEH-4822B-2	Ward La France										
GCE-54	2	Arm, Brush	† BRUSH SET, SERVICE GCE-2012S.								
GCE-1012†	2	Brush	(Issued 10-11-49)								

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# ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GEH-4823A, B GENERATOR PARTS LIST

GEH-4823A, B  
(Issued 8-22-51)

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
DK-23C	2	Bolt, Thru	GBJ-32A	1	Cover, Comm. End
(GEH-2056A)	1	Frame & Field Assy.	GCE-2012S	1	BRUSH SET, SERVICE
GAA-32	1	Washer, Ins., Arm. Term. Outer	GCE-2145SS	1	Head Assy., Comm. End
GBW-34	1	Washer, Ins., Field Term. Outer	GCE-53	2	Spring, Brush
GBW-66	1	Insulation, Arm. Term., Inner	GCE-54	2	Arm, Brush
GBW-67	1	Insulation, Field Term., Inner	12X-195	2	Lockwasher Lead Sc., #8
GBY-38A	2	Screw, Pole Shoe	12X-196	3	Lockwasher, Cover Screw, #10
GC-26	1	Washer, Ins., Arm. Term. Outer	12X-199	1	Lockwasher, Brg. Retaining Sc., 1/4
GCT-25	1	Bushing, Ins., Arm. Term.	X-295	1	BEARING, BALL, S. A. E. #203
GCY-25	1	Bushing, Ins., Field Term.	8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
GEH-1005	1	COIL ASSY., FIELD, COMPLETE	X-489	1	Oiler, Hinge Top, Press In, 1/4
GEB-27	1	Stud, Arm. Term., #14-24	8X-870	3	Screw, Cover, Fill. Hd. #10-32x5/16
GEB-58	1	Stud, Field Term., #10-32	<u>Armature Assembly &amp; Parts Used With</u>		
GEB-90A	1	Lead Assy.	GBM-21B	1	Nut, Arm. Shaft, D. E.
X-847	1	Terminal	GEG-31	1	Spacer, Shaft
GEH-1007A	1	Coil, Field, Left	GEH-2006F	1	ARMATURE
GEH-1008A	1	Coil, Field, Right	*	1	Pulley, Drive
MN-21	2	Pin, Dowel	X-261	1	Key, Woodruff, #6
8X-177	2	Nut, Arm. Term., Hex. #14-24	12X-864	1	Lockwasher, Shaft, D. E.
12X-196	2	Lockwasher, Field Term., #10	<u>Drive End Head Assembly &amp; Parts Used With</u>		
12X-199	2	Lockwasher, Arm. Term., 1/4	GCE-1146	1	Head Assy., Drive End
8X-349	1	Washer, Plain, Field Term., #10	GAU-31	1	Washer, Felt, Inner Head
8X-361	1	Washer, Plain, Arm. Term., 1/4	GCE-146	1	Head
8X-1377	2	Nut, Field Term., Hex. #10-32	GG-6	1	Retainer, Bearing
12X-196	1	Lockwasher, Ground Screw, #10	GK-176	1	Retainer, Felt, Inner
12X-1014	2	Lockwasher, Thru Bolt, 5/16	GT-76	1	Retainer, Felt, Outer
8X-1368	1	Screw, Ground, Rd. Hd. #10-32x7/16	GT-78	1	Washer, Felt, Outer
<u>Comm. End Head Assembly &amp; Parts Used With</u>			12X-196	3	Lockwasher, Retainer Sc., #10
DA-22	1	Washer, Bearing Retaining	X-295	1	BEARING, BALL, S. A. E. #203
DA-39	1	Washer, Plain, Felt Retaining	8X-311	3	Screw, Brg. Retainer Rd. Hd. #10-32x3/8
DA-60	1	Screw, Bearing Retaining	X-489	1	Oiler
DH-7	1	Washer, Felt, Comm. End, Inner	<u>Miscellaneous Parts</u>		
GBJ-25	1	Gasket, Comm. End Cover	GCE-24	1	Band, Cover
			8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
			8X-794	1	Nut, Cover Band, Square #10-32

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

(Continued on Reverse Side)

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# ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GEH-4823A, B GENERATOR PARTS (Continued)

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NOTE: VRX-4003D CURRENT-VOLTAGE  
REGULATOR is used with but is  
not a part of this generator.

Assembly No.	Pulley
GEH-4823A	SP-849
GEH-4823B	PU-29

UNIT	APPLICATION
GEH-4823A, B	Hercules

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# ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GEH-4827M-1 GENERATOR PARTS LIST

GEH-4827M-1  
(Issued 10-6-50)

Frame & Field Assembly & Parts Used With			Comm. End Head Assy. & Parts (Continued)		
Part No.	No. Used	Name of Part	Part No.	No. Used	Name of Part
DK-23C	2	Bolt, Thru	GEG-53	1	Gasket, Brg. Retainer
(GEH-2089A)	1	Frame & Field Assy.	GEG-54	1	Nut, Arm. Shaft, C.E.
GAA-32	1	Washer, Ins., Field Term., Outer	GEG-55	1	Spacer, Arm. Shaft
GBW-66	1	Insulation, Field Term., Inner	GEG-1050	1	Retainer Assy., Brg.
GBY-38C	2	Screw, Pole Shoe	GEG-49	1	Retainer, Felt Washer
GC-26	1	Washer, Ins., Field Term., Outer	GT-78A	1	Washer, Felt
GCY-28A	1	Bushing, Ins., Arm. Term.	X-10	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
GDW-22	1	Insulation, Arm. Term., Inner	12X-195	2	Lockwasher, Lead Sc., #8
GEH-1005B	1	COIL ASSY., FIELD, COMPLETE	12X-196	4	Lockwasher, Retainer Sc., #10
GDW-23A	1	Stud, Arm. Term., 5/16-24	X-295	1	BEARING, BALL, S.A.E. #203
GDW-28A	1	Stud, Field Term., 1/4-28	X-489A	1	Oiler
GEA-30A	1	Lead Assembly	X-2890	4	Screw, Retainer, Fill. Hd. #10-32x1
X-847	1	Terminal	<u>Armature Assembly &amp; Parts Used With</u>		
GEH-1007D	1	Coil, Field, Left	GEH-2149FM	1	ARMATURE
GEH-1008C	1	Coil, Field, Right	GJ-104B	1	Spacer, Arm. Shaft, D.E.
GFL-23	1	Bushing, Ins., Field Term.	GJ-179A	1	Washer, Shaft, D.E., Plain
MN-21A	2	Pin, Dowel	19X-160	1	Nut, Shaft, D.E., Hex. 7/16-20
MU-37G	1	Washer, Plain, Arm. Term., 5/16	12X-205	1	Lockwasher, Shaft, D.E. 7/16
SS-13	1	Washer, Ins., Arm. Term., Outer	X-261	2	Key, Woodruff, #6
VAD-79	1	Washer, Ins., Arm. Term., Outer	<u>Drive End Head Assy. &amp; Parts Used With</u>		
X-180	2	Nut, Arm. Term., Hex. 5/16-24	GCE-1150A	1	Head Assy., Drive End
X-187	1	Washer, Plain, Field Term., #14	GBM-124	1	Gasket, Retainer
12X-199	2	Lockwasher, Field Term., 1/4	GBM-125	1	Retainer, Felt, Inner
12X-1014	2	Lockwasher, Arm. Term., 5/16	GBM-127	1	Retainer, Bearing
X-2903	2	Nut, Field Term., Hex. 1/4-28	GBM-128	1	Retainer, Felt, Outer
X-20	1	Screw, Ground, Rd. Hd. #10-32x5/16	GCE-150A	1	Head, Drive End
12X-196	1	Lockwasher, Grd. Sc., #10	GG-164A	2	Washer, Felt
12X-1014	2	Lockwasher, Thru Bolt, 5/16	GGA-52	3	Screw, Retainer, Rd. Hd. #10-32x1/2
<u>Comm. End Head Assembly &amp; Parts Used With</u>			12X-196	3	Lockwasher, Retainer Sc. #10
GCB-3081A	1	Head Assy., Comm. End	X-295	1	BEARING, BALL, S.A.E. #203
GCE-53A	2	Spring, Brush	X-489A	1	Oiler
GCE-54A	2	Arm, Brush	<u>Miscellaneous Parts</u>		
GCE-1012 †	2	Brush	GEG-1024	1	Band, Cover
GEG-49	1	Retainer, Felt Washer	X-2875	1	Nut, Cover Band, Square #10-32
GT-78A	1	Washer, Felt	X-2882	1	Screw, Cover Band, Fill. Hd. #10-32x1 1/2
<u>Comm. End Head Assembly &amp; Parts Used With</u>			<u>Miscellaneous Parts</u>		
GCB-3081A	1	Head Assy., Comm. End	† BRUSH SET, SERVICE GCE-2012S.		
GCE-53A	2	Spring, Brush	NOTE: VRS-4102DM (Pos. Grd.) or VRS-4103BM (Neg. Grd.) CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.		
GCE-54A	2	Arm, Brush	UNIT APPLICATION		
GCE-1012 †	2	Brush	GEH-4827M-1 Gray Marine		
GEG-49	1	Retainer, Felt Washer	UNIT APPLICATION		
GT-78A	1	Washer, Felt	GEH-4827M-1 Gray Marine		

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# ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GEH-4828M-1 GENERATOR PARTS LIST

GEH-4828M-1  
(Issued 8-22-51)

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				
DK-23C	2	Bolt, Thru	GEG-55	1	Spacer, Arm. Shaft				
(GEH-2089A)	1	Frame & Field Assy.	GEG-1050	1	Retainer Assy., Brg.				
GAA-32	1	Washer, Ins., Field Term., Outer	GEG-49	1	Retainer, Felt Washer				
GBW-66	1	Insulation, Field Term., Inner	GT-78A	1	Washer, Felt				
GBY-38C	2	Screw, Pole Shoe	X-10	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4				
GC-26	1	Washer, Ins., Field Term., Outer	12X-195	2	Lockwasher, Lead Sc., #8				
GCY-28A	1	Bushing, Ins., Arm. Term.	12X-196	4	Lockwasher, Retainer Sc., #10				
GDW-22	1	Insulation, Arm. Term., Inner	X-295	1	Bearing, Ball, S.A.E. #203				
GEH-1005B	1	Coil Assy., Field, Complete	X-489A	1	Oiler				
GDW-23A	1	Stud, Arm. Term.	X-2890	4	Screw, Retainer, Fill. Hd. #10-32x1				
GDW-28A	1	Stud, Field Term.	<u>Armature Assembly &amp; Parts Used With</u>						
GEA-30A	1	Lead Assembly	GEH-2149FM	1	Armature				
X-847	1	Terminal	GJ-104B	1	Spacer, Arm. Shaft, D.E.				
GEH-1007D	1	Coil, Field, Left	GJ-179A	1	Washer, Shaft, D.E., Plain				
GEH-1008C	1	Coil, Field, Right	19X-160	1	Nut, Shaft, D.E., Hex. 7/16-20				
GFL-23	1	Bushing, Ins., Field Term.	12X-205	1	Lockwasher, Shaft, D.E., 7/16				
MN-21A	2	Pin, Dowel	X-261	2	Key, Woodruff, #6				
MU-37G	1	Washer, Plain, Arm. Term. 5/16	<u>Drive End Head Assembly &amp; Parts Used With</u>						
SS-13	1	Washer, Ins., Arm. Term., Outer	GCE-1150A	1	Head Assy., Drive End				
VAD-79	1	Washer, Ins., Arm. Term., Outer	GBM-124	1	Gasket, Retainer				
X-180	2	Nut, Arm. Term., Hex. 5/16-24	GBM-125	1	Retainer, Felt, Inner				
X-187	1	Washer, Plain, Field Term., #14	GBM-127	1	Retainer, Bearing				
12X-199	2	Lockwasher, Field Term., 1/4	GBM-128	1	Retainer, Felt, Outer				
12X-1014	2	Lockwasher, Arm. Term., 5/16	GCE-150A	1	Head, Drive End				
X-2903	2	Nut, Field Term., Hex. #1/4-28	GG-164A	2	Washer, Felt				
X-20	1	Screw, Ground, Rd. Hd. #10-32x5/16	GGW-52	3	Screw, Retainer, Rd. Hd. #10-32x1/2				
12X-196	1	Lockwasher, Grd. Sc., #10	12X-196	3	Lockwasher, Retainer Sc., #10				
12X-1014	2	Lockwasher, Thru Bolt, 5/16	X-295	1	Bearing, Ball, S.A.E. #203				
<u>Comm. End Head Assembly &amp; Parts Used With</u>			X-489A	1	Oiler				
GCB-2081	1	Head Assy., Comm. End	<u>Miscellaneous Parts</u>						
GCE-53A	2	Spring, Brush	GEG-1024	1	Band, Cover				
GCE-54A	2	Arm, Brush	X-2875	1	Nut, Cover Band, Square #10-32				
GCE-1012†	2	Brush	X-2882	1	Screw, Cover Band, Fill. Hd. #10-32x1 1/2				
GEG-49	1	Retainer, Felt Washer	† Brush Set, Service GCE-2012S.						
GT-78A	1	Washer, Felt	NOTE: VRS-4102DM (Pos. Grd.) or VRS-4103BM (Neg. Grd.) Current-Voltage Regulator is used with but is not a part of this generator.						
GEG-53	1	Gasket, Brg. Retainer	<table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: center;">UNIT</th> <th style="text-align: center;">APPLICATION</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">GEH-4828M-1</td> <td style="text-align: center;">Gray Marine</td> </tr> </tbody> </table>			UNIT	APPLICATION	GEH-4828M-1	Gray Marine
UNIT	APPLICATION								
GEH-4828M-1	Gray Marine								
GEG-54	1	Nut, Arm. Shaft, C.E.							

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



# ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

## GEH-4829A-2 GENERATOR PARTS LIST

GEH-4829A-2  
(Issued 10-6-55)

### Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
DK-23C	2	Bolt, Thru
GEH-2082	1	Frame & Field Assy.
GAA-32	1	Washer, Ins., Arm. Term., Outer
GBW-34	1	Washer, Ins., Field Term., Outer
GBW-66	1	Insulation, Arm. Term., Inner
GBW-67	1	Insulation, Field Term., Inner
GBY-38A	2	Screw, Pole Shoe
GC-26	1	Washer, Ins., Arm. Term., Outer
GCT-25	1	Bushing, Ins., Arm. Term.
GCY-25	1	Bushing, Ins., Field Term.
GEH-1005	1	COIL ASSY., FIELD, COMPLETE
GEB-27	1	Stud, Arm. Term. #14-24
GEB-58	1	Stud, Field Term. #10-32
GEB-90A	1	Lead Assembly
X-847	1	Terminal
GEH-1007A	1	Coil, Field, Left
GEH-1008A	1	Coil, Field, Right
MN-21	2	Pin, Dowel
8X-177	2	Nut, Arm. Term., Hex. #14-24
X-196	2	Lockwasher, Field Term., #10
X-199	2	Lockwasher, Arm. Term. 1/4
8X-349	1	Washer, Plain, Field Term. #10
8X-361	1	Washer, Plain, Arm. Term., 1/4
8X-1377	2	Nut, Field Term. Hex. #10-32
12X-196	1	Lockwasher, Ground Sc., #10
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16
12X-1014	2	Lockwasher, Thru Bolt, 5/16

### Comm. End Head Assembly & Parts Used With

DA-22	1	Washer, Bearing Retaining
DA-39	1	Washer, Plain, Felt Retaining
DA-60	1	Screw, Bearing Retaining
DH-7	1	Washer, Felt
GBJ-25	1	Gasket, C. E. Cover
GBJ-32A	1	Cover, Comm. End
GCE-2012S	1	BRUSH SET, SERVICE
GCE-2118S	1	Head Assy., Comm. End
GCE-53	2	Spring, Brush
GCE-54	2	Arm, Brush
12X-195	2	Lockwasher, Lead Sc., #8
12X-196	3	Lockwasher, Cover Sc., #10
12X-199	1	Lockwasher, Brg. Retaining Sc., 1/4
X-295	1	BEARING, BALL, S. A. E. #203
8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4

### Comm. End Head Assembly & Parts (Con't.)

Part No.	No. Used	Name of Part
X-489	1	Oiler
X-870	3	Screw, C. E. Cover, Fill. Hd. #10-32x5/16

### Armature Assembly & Parts Used With

GBG-49	1	Spacer, Shaft, D. E. Inner
GEH-2142F	1	ARMATURE
GFR-56	1	Spacer, Shaft, D. E. Outer
PU-124	1	Pulley, Drive
X-405	1	Pin, Cotter
12X-1018	1	Lockwasher, Shaft, D. E.
X-1717	1	Nut, Arm. Shaft, D. E.

### Drive End Head Assembly & Parts Used With

GEH-1084B	1	Head Assy., Drive End
GBG-57	1	Retainer, Felt Washer
GBG-58	1	Washer, Felt
GBG-182	1	Gasket
GBG-1181	1	Retainer Assy., Bearing
GBG-57	1	Retainer, Felt Washer
GBG-58	1	Washer, Felt
GBG-181	1	Retainer, Bearing
GEH-84B	1	Head, Drive End
8X-119	4	Screw, Brg. Retainer, Fill. Hd. #10-32x1/2
12X-196	4	Lockwasher, Retainer Sc., #10
X-444	1	Bearing, Ball, S. A. E. #305
X-489	1	Oiler

### Miscellaneous Parts

GCE-24	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

Note:-VRX-4003D CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GEH-4829A-2	Continental

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# ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GEH-5001-2, P-2 GENERATOR PARTS LIST

GEH-5001-2, P-2  
(Issued 4-11-51)

Frame & Field Assembly & Parts Used With			Comm. End Head Assembly & Parts Used With		
Part No.	No. Used	Name of Part	Part No.	No. Used	Name of Part
DK-23C	2	Bolt, Thru	DA-39	2	Washer, Plain, Felt Retaining
(GEH-2076)	1	Frame & Field Assy.	DA-132	1	Washer, Felt, C.E. Outer
GAA-32	1	Washer, Ins., Arm. Term. Outer	DH-7	1	Washer, Felt, C.E. Inner
GBW-34	1	Washer, Ins., Field Term., Outer	GAR-83A	1	Cover, Comm. End
GBW-66	1	Insulation, Arm. Term., Inner	GBJ-25	1	Gasket, C.E. Cover
GBW-67	1	Insulation, Field Term., Inner	GEH-2002	1	Head Assy., Comm. End
GBY-38A	2	Screw, Pole Shoe	GCE-53	2	Spring, Brush
GC-26	1	Washer, Ins., Arm. Term. Outer	GCE-54	2	Arm, Brush
GCT-25	1	Bushing, Ins., Arm. Term.	GCE-1012†	2	Brush
GCY-25	1	Bushing, Ins., Field Term.	X-195	2	Lockwasher, Brush Lead Sc., #8
GEB-44	1	Lead Assembly	X-295	1	BEARING, BALL, S.A.E. #203
GEB-27	1	Stud, Arm. Term., #14-24	8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-975	1	Terminal	X-489	1	Oiler
GEH-1005A	1	COIL ASSY., FIELD, COMPLETE	8X-726	3	Screw, C.E. Cover, Bdg. Hd. #10-32x7/16
GEB-58	1	Stud, Field Term., #10-32	X-1270	3	Washer, Cover Sc., Skpf. #10
GEH-1007B	1	Coil, Field, Left	<u>Armature Assembly &amp; Parts Used With</u>		
GEH-1008B	1	Coil Assy., Field, Right	DG-1144	1	Oil Thrower
X-959	1	Terminal	GBM-21B	1	Nut, Arm. Shaft, C.E.
MN-21	2	Pin, Dowel	GEH-2054F	1	ARMATURE
8X-140	1	Nut, Field Grd. Sc., Hex. #6-32	SP-494	1	Fan, Ventilating
8X-177	2	Nut, Arm. Term., Hex. #14-24	X-157	1	Nut, Shaft, D.E., Slotted 1/2-20
X-194	1	Lockwasher, Field Grd. Sc., #6	X-258	1	Key, Woodruff, C.E., #3
X-196	2	Lockwasher, Field Term., #10	X-263	1	Key, Woodruff, D.E., #8
X-199	2	Lockwasher, Arm. Term., 1/4	X-358	1	Washer, Shaft, D.E., Plain 1/2
8X-349	1	Washer, Field Term., Plain, #10	X-404	1	Pin, Cotter
8X-361	1	Washer, Arm. Term., Plain, 1/4	X-864	1	Lockwasher, Shaft, C.E.
8X-1377	2	Nut, Field Term., Hex. #10-32	<u>Drive End Head Assembly &amp; Parts Used With</u>		
8X-1420	1	Screw, Field Ground, Flat Hd. #6-32x9/16	GCE-1110	1	Head Assy., Drive End
X-196	1	Lockwasher, Ground Screw, #10	GAE-47	1	Retainer, Bearing
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16	GCE-110	1	Head, Drive End
X-1014	2	Lockwasher, Thru Bolt, 5/16	8X-66	3	Screw, Retainer, Flat Hd. #10-32x1/2
			X-378	1	BEARING, BALL, SHIELDED, S.A.E. #204
			X-1621	3	Washer, Retainer Sc., Skpf. #10
			<u>Miscellaneous Parts</u>		
			GCE-24	1	Band, Cover
			X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
			8X-794	1	Nut, Cover Band, Square #10-32

(Continued on Reverse Side)

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# ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GEH-5001-2, P-2 GENERATOR PARTS (Cont.)

† BRUSH SET, SERVICE GCE-2012S.

NOTE: \* CURRENT-VOLTAGE REGULATOR  
is used with but is not a part of this  
generator.

Assembly No.	Regulator
GEH-5001-2	VRG-4103B,D
GEH-5001P-2	VRG-4102D

UNIT	APPLICATION
GEH-5001-2	Ahrens Fox, Biederman
GEH-5001P-2	Ahrens Fox, Four Wheel Drive

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# ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GEH-5002-2,-2N GENERATOR PARTS LIST

GEH-5002-2,-2N

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
DK-23	2	Bolt, Thru	GAR-83A	1	Cover, Comm. End
(GEH-3019)	1	Frame & Field Assy.	GBJ-25	1	Gasket, Comm. End Cover
GAA-32	1	Washer, Ins., Arm. Term., Outer	GCE-55A	1	Deflector, Air
GAL-44	1	Insulation, Field Connection	GEH-3022	1	Head Assy., Comm. End
GBW-34	1	Washer, Ins., Field Term., Outer	GCE-53	2	Spring, Brush
GBW-66	1	Insulation, Arm. Term., Inner	GCE-54	2	Arm, Brush
GBW-67	1	Insulation, Field Term., Inner	GCE-1012 †	2	Brush
GBY-38A	2	Screw, Pole Shoe	8X-66	3	Screw, Air Deflector, Flat Hd. #10-32x1/2
GC-26	1	Washer, Ins., Arm. Term., Outer	X-195	2	Lockwasher, Brush Lead, #8
GCT-25	1	Bushing, Ins., Arm. Term.	X-295	1	BEARING, BALL, S.A.E. #203
GCY-25	1	Bushing, Ins., Field Term.	8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
GEB-44	1	Lead Assy.	X-489	1	Oiler, Press in Type 1/4
GEB-27	1	Stud, Arm. Term., #14-24	8X-726	3	Screw, C.E. Cover, Bdg. Hd., #10-32x7/16
X-975	1	Terminal	X-1270	3	Washer, Skpf., C.E. Cover Sc. #10
GEH-2005A	1	COIL ASSY., FIELD, COMP.	X-1621	3	Washer, Air Deflector Sc., Skpf. #10
GEB-58	1	Stud, Field Term., #10-32	<u>Armature Assembly &amp; Parts Used With</u>		
GEH-1007C	1	Coil Assy., Field, Left	GAR-1177	1	Oil Thrower
X-959	1	Terminal	GBM-21B	1	Nut, Armature Shaft
GEH-1008A	1	Coil, Field, Right	GEH-2087F	1	ARMATURE
MN-21	2	Pin, Dowel	SP-494	1	Ventilating Fan
8X-140	1	Nut, Field Ground, Hex., #6-32	X-157	1	Nut, Armature Shaft, Hex. 1/2-20
8X-177	2	Nut, Arm. Term., Hex., #14-24	X-258	1	Key, Woodruff, #3
X-193	2	Lockwasher, Arm. Term., #14	X-263	1	Key, Woodruff, #8
X-194	1	Lockwasher, Field Ground, #6	X-358	1	Washer, Plain, 1/2
X-196	2	Lockwasher, Field Term., #10	X-404	1	Pin, Cotter, 3/32x1
8X-349	1	Washer, Plain, Field Term., #10	X-864	1	Washer, Lock, Arm. Shaft, .669
8X-361	1	Washer, Plain, Arm. Term., 1/4	<u>Drive End Head Assy. &amp; Parts Used With</u>		
8X-1377	2	Nut, Field Term., Hex., #10-32	GCE-1076	1	Head Assy., Drive End
8X-1420	1	Screw, Field Ground, Flat Hd., #6-32x9/16	GCE-76	1	Head
X-196	1	Lockwasher, Ground Sc., #10	GX-9	1	Retainer, Bearing
8X-321	1	Screw, Ground, Rd. Hd., #10-32x5/16	GX-10	1	Gasket, Retainer
X-1014	2	Lockwasher, Thru Bolt	X-196	3	Lockwasher, Retainer Sc., #10
<u>Comm. End Head Assembly &amp; Parts Used With</u>			8X-311	3	Screw, Retainer, Rd. Hd., #10-32x3/8
DA-39	2	Washer, Plain	X-378	1	BEARING, BALL, SHIELDED, S.A.E. #204
DA-132	1	Washer, Felt	<u>Miscellaneous Parts</u>		
DH-7	1	Washer, Felt, Comm. End Inner	GCE-24	1	Band, Head
			X-714	1	Screw, Head Band, Rd. Hd., #10-32x1 1/2
			8X-794	1	Nut, Head Band, Square, #10-32

(See Reverse Side)

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

# ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GEH-5002-2,-2N GENERATOR (Con't.)

†BRUSH SET, SERVICE GCE-2012S.

NOTE: - (\*) CURRENT-VOLTAGE REGULATOR  
is used with but is not a part of this  
Generator.

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

Generator	Regulator
GEH-5002-2	VRG-4102B
GEH-5002-2N	VRG-4103B

UNIT	APPLICATION
GEH-5002-2	Four Wheel Drive
GEH-5002-2N	Harnschfeger Available Truck

(Issued 6-15-48)

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

# ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GEH-6001A,B,D,S GENERATOR PARTS LIST

GEH-6001A,B,D,S  
(Issued 11-17-52)

Frame & Field Assembly & Parts Used With			Comm. End Head Assy. & Parts Used With		
Part No.	No. Used	Name of Part	Part No.	No. Used	Name of Part
DK-23C	2	Bolt, Thru	DA-22	1	Washer, Bearing Retaining
GCE-94†	1	Bracket, Gen. Mtg.	DA-39	1	Washer, Plain, Felt Retaining
GEH-2092	1	Frame & Field Assembly	DA-60	1	Screw, Bearing Retaining
GAA-32	1	Washer, Ins., Arm. Term. Outer	DH-7	1	Washer, Felt, C. E. Inner
GBW-34	1	Washer, Ins., Field Term., Outer	GBJ-25	1	Gasket, C. E. Cover
GBW-66	1	Insulation, Arm. Term., Inner	GBJ-32A	1	Cover, Comm. End
GBW-67	1	Insulation, Field Term., Inner	GCE-2002S	1	Head Assy., Comm. End
GBY-38A	2	Screw, Pole Shoe	GCE-53	2	Spring, Brush
GC-26	1	Washer, Ins., Arm. Term., Outer	GCE-54	2	Arm, Brush
GCT-25	1	Bushing, Ins., Arm. Term.	GCE-2012S	1	BRUSH SET, SERVICE
GCY-25	1	Bushing, Ins., Field Term.	12X-195	2	Lockwasher, Lead Sc., #8
GEH-1005	1	COIL ASSY., FIELD, COMPLETE	12X-196	3	Lockwasher, Cover Screw, #10
GEB-27	1	Stud, Arm. Term., #14-24	12X-199	1	Lockwasher, Brg. Retaining Screw, 1/4
GEB-58	1	Stud, Field Term., #10-32	X-295	1	BEARING, BALL, S. A. E. #203
GEB-90A	1	Lead Assy.	8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-847	1	Terminal	X-489	1	Oiler
GEH-1007A	1	Coil, Field, Left	8X-870	3	Screw, Cover, Fill. Hd. #10-32x5/16
GEH-1008A	1	Coil, Field, Right	<u>Armature Assembly &amp; Parts Used With</u>		
MN-21	2	Pin, Dowel	GBM-21B	1	Nut, Arm. Shaft, D. E.
8X-177	2	Nut, Arm. Term., Hex. #14-24	GEG-31	1	Spacer, Arm. Shaft
12X-196	2	Lockwasher, Field Term., #10	GEH-2006F	1	ARMATURE
12X-199	2	Lockwasher, Arm. Term., 1/4	*	1	Pulley, Drive
8X-349	1	Washer, Plain, Field Term., #10	X-261	1	Key, Woodruff, #6
8X-361	1	Washer, Plain, Arm. Term., 1/4	12X-864	1	Lockwasher, Shaft, D. E.
8X-1377	2	Nut, Field Term., Hex. #10-32	<u>Drive End Head Assembly &amp; Parts Used With</u>		
12X-196	1	Lockwasher, Ground Sc., #8	GEW-1003	1	Head Assy., Drive End
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16	GAU-31	1	Washer, Felt, Inner
8X-832†	2	Nut, Brkt. Sc., Hex. 5/16-24	GEW-3	1	Head, Drive End
8X-863†	2	Screw, Mtg. Brkt., Hex. Hd. 5/16-24x1 1/4	GG-6	1	Retainer, Bearing
12X-1014	2	Lockwasher, Thru Bolt, 5/16	GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
12X-1014†	2	Lockwasher, Brkt. Sc., 5/16	GK-176	1	Retainer, Felt, Inner
			GT-76	1	Retainer, Felt, Outer
			GT-78	1	Washer, Felt, Outer
			X-196	3	Lockwasher, Retainer Sc., #10
			X-295	1	BEARING, BALL, S. A. E. #203
			X-489	1	Oiler

(Continued on Reverse Side)

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

# ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GEH-6001A,B,D,S GENERATOR PARTS LIST (Cont.)

<u>Miscellaneous Parts</u>		
Part No.	No. Used	Name of Part
GCE-24	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

NOTE: \* CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

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

‡ Used with GEH-6001B only.

Assembly No.	Pulley	Regulator
GEH-6001A	SP-911	VRX-4003D
GEH-6001B	SP-929	VRX-4003D
GEH-6001D	SP-887	VRX-6004A
GEH-6001S	None	

UNIT	APPLICATION
GEH-6001A	Buda
GEH-6001B	Harnischfeger
GEH-6001D	D. W. Onan
GEH-6001S	Service Gen.

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

# ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GEJ-4801 GENERATOR PARTS LIST

GEJ-4801

PRELIMINARY

## Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part				
		1	2	3	4	5
(GDS-2038)	1	Frame & Field Assembly				
GAA-32	1	Terminal Post Top Ins.				
GAL-44	1	Field Connection Ins.				
GBW-34	1	Insulating Washer				
GBW-66	1	Terminal Post Bottom Ins.				
GBW-67	1	Terminal Post Bottom Ins.				
GCT-25	1	Insulating Bushing				
GCT-25	1	Insulating Bushing				
GDS-29	2	Pole Piece				
GDS-30	1	Lead Assembly				
GAA-27	1	Terminal Post				
X-1611	1	Terminal				
GDS-1005A	1	FIELD COIL ASSY.- Comp.				
GBW-58	1	Terminal Post				
GDS-1007	1	Field Coil Assy.-Left				
X-847	1	Terminal				
GDS-1008A	1	Field Coil - Right				
GK-38	2	Pole Piece Screw				
MN-21	2	Dowel Pin				
8X-177	1	#14-24 Hex. Nut				
X-193	1	#14 Lock Washer				
X-196	1	#10 Lock Washer				
8X-349	1	#10 Plain Washer				
8X-361	1	1/4 Plain Washer				
8X-1377	1	#10-32 Hex. Nut				
GK-20	2	Frame Screw				
8X-177	1	#14-24 Hex. Nut				
X-193	1	#14 Lock Washer				
X-196	2	#10 Lock Washer				
X-199	2	1/4 Lock Washer				
8X-321	1	#10-32x5/16 Rd. Hd. Screw				
8X-1377	1	#10-32 Hex. Nut				

## Comm. End Plate Assembly & Parts Used With

(GCP-2051)	1	Comm. End Plate Assembly				
GAR-73	1	Oil Wick				
GAR-98A	1	Wick Cover				
GBW-69	1	Gasket				
GBW-72	1	Oil Guard				
GBW-73	1	Oil Retaining Gasket				
GBW-1012A†	2	Brush - Main				
GBW-1051A	1	C. E. Plate Part Assembly				
GBF-79	1	ABSORBENT BRONZE BRG.				
GBW-45	2	Brush Spring				
G CJ-26	2	Brush Arm				
GBW-1068B	1	Comm. End Cap Cover				
12X-195	5	#8 Lock Washer				
8X-305	1	#8-32x1/4 Rd. Hd. Screw				
8X-888	4	#8-32x5/16 Fill. Hd. Sc.				
X-195	1	#8 Lock Washer				
8X-305	1	#8-32x1/4 Rd. Hd. Screw				
		1	2	3	4	5

## Armature Assembly & Parts Used With

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

<u>Drive End Head Assembly &amp; Parts Used With</u>						
Part No.	No. Used	Name of Part				
		1	2	3	4	5
GAL-1063B	1	Drive End Head Assembly				
GAL-63A	1	Drive End Head				
GG-6	2	Bearing Retainer				
GG-164	1	Felt Washer				
GK-176	1	Felt Washer Retainer				
8X-173	3	#10-32 Hex. Nut				
X-196	3	#10 Lock Washer				
X-295	1	BALL BRG.- S.A.E. #203				
8X-316	3	#10-32x3/4 Rd. Hd. Screw				
X-489	1	1/4 Oiler - Press in Type				

## Miscellaneous Parts

GBW-1024D	1	Head Band Assembly				
X-715	1	#10-32x1 1/4 Rd. Hd. Screw				
8X-794	1	#10-32 Square Nut				
		1	2	3	4	5

(Issued 5-20-41)

† SERVICE BRUSH SET GBW-2012AS.

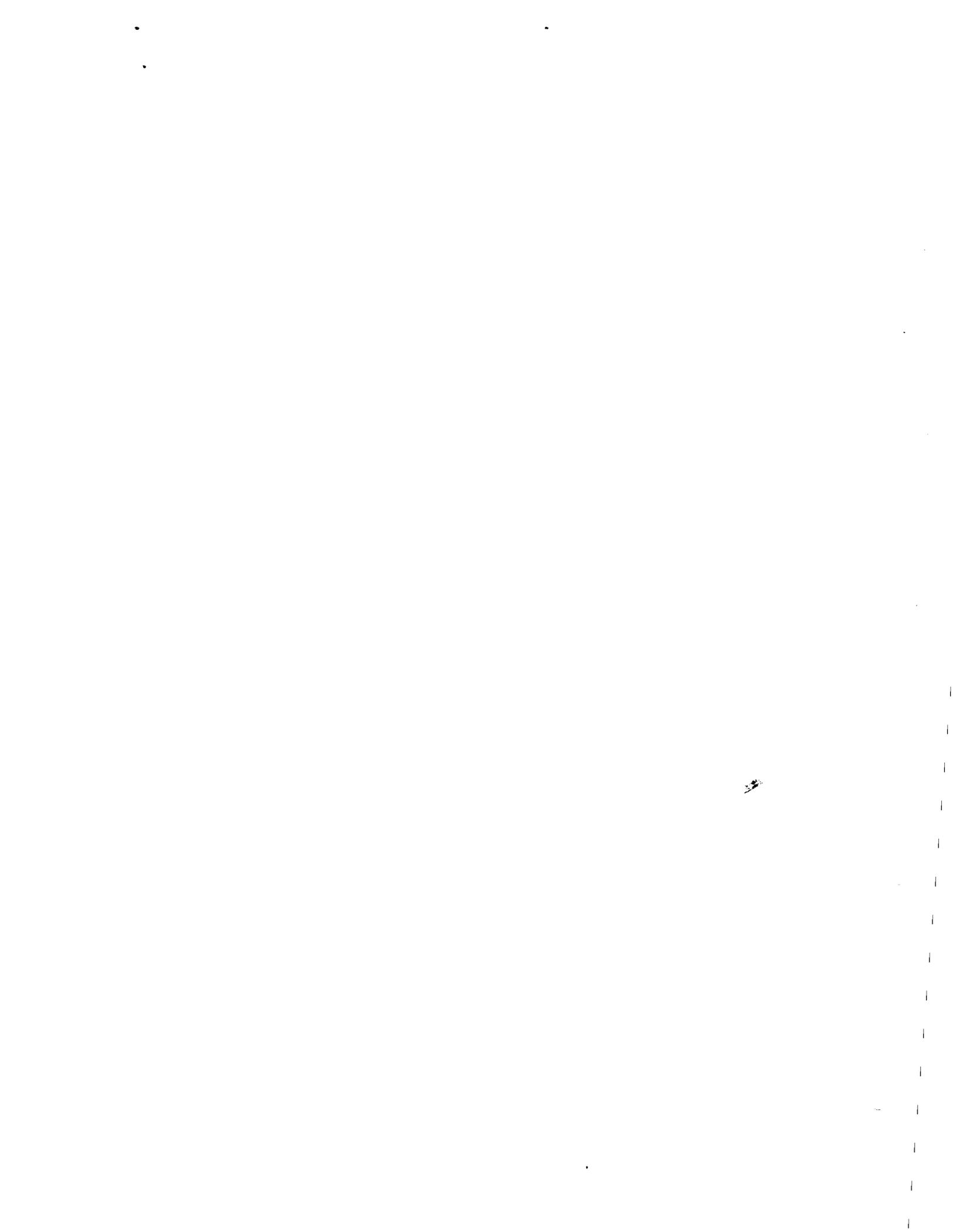
NOTE:- VRW-4003A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GEJ-4801	Indian 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

GEJ-4805 GENERATOR PARTS LIST

GEJ-4805

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				
(GDS-2001)	1	Frame & Field Assy.	X-2961	1	Oiler				
GAL-44	1	Insulation, Field Connection	X-195	2	Lockwasher, Br. Lead Sc., #8				
GBW-34	1	Washer, Ins., Field Term., Outer	8X-305	2	Screw, Brush Lead, Rd. Hd. #8-32x1/4				
GCT-25	1	Bushing, Ins., Arm. Term.	<u>Armature Assembly &amp; Parts Used With</u>						
GCY-25	1	Bushing, Ins., Field Term.	GBM-21B	1	Nut, Armature Shaft, D.E.				
GDS-30	1	Lead Assembly	GEJ-2006F	1	ARMATURE ASSEMBLY				
GAA-27	1	Stud, Arm. Term., #14-24	GAR-171	1	Snap Ring				
X-1611	1	Terminal	GJ-104	1	Spacer, Arm. Shaft				
GDS-1005A	1	COIL ASSY., FIELD, COMPLETE	GR-32	1	Retainer, Felt Washer				
GDS-1008A	1	Coil, Field, Right	X-260	1	Key, Woodruff, #5				
GEB-58	1	Stud, Field Term., #10-32	X-864	1	Lockwasher, Arm. Shaft, D.E.				
GEO-1007C	1	Coil Assy., Field, Left	<u>Drive End Head Assembly &amp; Parts Used With</u>						
X-847	1	Terminal	GAM-1110S	1	Head Assy., Drive End				
GDW-44	1	Washer, Ins., Arm. Term., Outer	GAM-34A	1	Retainer, Felt Washer, Outer				
GEA-34	1	Insulation, Term. Stud, Inner	GAM-110A	1	Head, Drive End				
GK-38	2	Screw, Pole Shoe	GAR-63	1	Retainer, Felt Washer, Inner				
MN-21	2	Pin, Dowel	GAR-64	1	Retainer, Bearing				
8X-177	2	Nut, Arm. Term., Hex. #14-24	GG-164	2	Washer, Felt				
X-193	2	Lockwasher, Arm. Term., #14	12X-196	3	Lockwasher, Retainer Screw, #10				
X-196	2	Lockwasher, Field Term., #10	8X-311	3	Screw, Retainer, Rd. Hd. #10-32x3/8				
8X-349	1	Washer, Plain, Field Term., #10	X-441	1	BEARING, BALL, SHIELDED, S.A.E. #203				
8X-361	1	Washer, Plain, Arm. Term., 1/4	X-489	1	Oiler				
8X-1377	2	Nut, Field Term., Hex. #10-32	<u>Miscellaneous Parts</u>						
GK-20A	2	Bolt, Thru	GBW-24B	1	Band, Cover				
X-196	1	Lockwasher, Ground Sc., #10	X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2				
X-199	2	Lockwasher, Thru Bolt, 1/4	8X-794	1	Nut, Cover Band, Square #10-32				
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16	† BRUSH SET, SERVICE GBW-2012AS.						
<u>Comm. End Head Assembly &amp; Parts Used With</u>			NOTE: VRW-4005A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.						
GBW-2086	1	Head Assy., Comm. End	<table border="1" style="margin: auto; border-collapse: collapse;"> <thead> <tr> <th style="padding: 5px;">UNIT</th> <th style="padding: 5px;">APPLICATION</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">GEJ-4805</td> <td style="padding: 5px;">Continental</td> </tr> </tbody> </table>			UNIT	APPLICATION	GEJ-4805	Continental
UNIT	APPLICATION								
GEJ-4805	Continental								
GAR-73	1	Wick, Felt	(Issued 6-3-49)						
GAR-98A	1	Cover, Wick							
GBM-126	1	Packing							
GBW-30E	1	Cover, Comm. End							
GBW-69	1	Gasket, C.E. Cover							
GBW-72	1	Oil Guard							
GBW-73	1	Gasket, Oil Guard							
GBW-1012A†	2	Brush							
GBW-1086A	1	Head Assy., Partial, C.E.							
GBF-79	1	BEARING, ABS. BRONZE							
GBW-45	2	Spring, Brush							
GCJ-28	2	Arm, Brush							
12X-195	4	Lockwasher, Cover Sc., #8							
8X-888	4	Screw, Cover, Fill. Hd. #8-32x5/16							

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# ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GEM-4102 GENERATOR PARTS LIST

GEM-4102

PRELIMINARY

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part				
		1	2	3	4	5
GAS-20	2					Frame Screw
(GEM-2239)	1					Frame & Field Assembly
GAS-40	2					Ins. Washer - Special
GAS-41	2					Insulating Bushing
GAS-44	1					Field Connection Ins.
GAS-45	2					Field Coil Holder
GAS-47	1					Terminal Lead Assembly
GBF-36	1					Terminal Post
X-1423	1					Terminal
GBF-36	1					Terminal Post
GBF-55	2					Insulating Washer
GEM-29	2					Pole Piece
GEM-1005A	1					FIELD COIL ASSY.- Comp.
GEM-1007	1					Field Coil Assy.-Left
X-1423	1					Terminal
GEM-1008A	1					Field Coil - Right
MN-21	2					Dowel Pin
MZ-38	2					Pole Piece Screw
X-1274	4					3/16 Skpf. Washer
5X-1377	2					#10-32 Hex. Nut
X-196	2					#10 Lock Washer
X-544	2					#10 Lock Washer
5X-1377	2					#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

(GEM-2242)	1					Comm. End Plate Assembly
GAR-73	1					Oil Wick
GAR-98A	1					Wick Cover
GAS-51	2					3rd Brush Plate Retaining Spring
GAS-220	1					Oil Guard
GAS-221	1					Oil Retaining Gasket
GAS-223	1					Gasket
GAS-1222	1					Comm. End Cap Cover
GAS-1242	1					C. E. Plate Part Assy.
GAS-224	1					ABSORBENT BRONZE BRG.
GEM-2021R	1					Brush Holder Plate Assy.
GAL-31	1					Ground Connector Assy.
X-958	2					Terminal
GAS-15	2					Brush Holder
GAS-17	1					Brush Spring
GAS-18	1					Brush Spring
GAS-1021R	1					Br. Holder Plate Part Assembly
GEM-12†	2					Brush - Main
8X-122	1					#8-32x1/2 Fill. Hd.Sc.
X-1275	2					#8 Skpf. Washer
8X-1505	1					#8-32x9/16 Bdg. Hd.Sc.
GEM-2219R	1					3rd Br. Holder Plate Assy.
GAS-15	1					Brush Holder
GAS-17	1					Brush Spring
GAS-1219R	1					3rd Brush Holder Plate Part Assembly
GEM-13†	1					Brush - Third
8X-878	1					#8-32x7/16 Fill. Hd.Sc.
X-1275	1					#8 Skpf. Washer
8X-55	3					#8-32x3/8 Rd. Hd. Screw
X-195	5					#8 Lock Washer
8X-888	4					#8-32x5/16 Fill. Hd. Sc.
		1	2	3	4	5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part				
		1	2	3	4	5
GAS-1176	1					Oil Thrower
GEM-31	1					Drive Coupling
GEM-2238	1					ARMATURE ASSEMBLY
X-161	1					1/2-20 Hex. Nut
X-260	1					#5 Woodruff Key
X-1500	1					1/2 Skpf. Washer

Drive End Head Assembly & Parts Used With

GAS-1256	1					Drive End Head Assembly
GAS-177	1					Bearing Retainer
GAS-256	1					Drive End Head
8X-63	3					#8-32x3/8 Flat Hd. Sc.
X-378	1					BALL BEARING

Miscellaneous Parts

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

(Issued 7-2-41)

† SERVICE BRUSH SET GEM-2012S.

NOTE:- TC-4326A TWO CHARGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GEM-4102	Ready Power

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# ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GEO-4801 GENERATOR PARTS LIST

GEO-4801

PRELIMINARY

<u>Frame &amp; Field Assembly &amp; Parts Used With</u>						<u>Armature Assembly &amp; Parts Used With</u>							
Part No.	No. Used	Name of Part					Part No.	No. Used	Name of Part				
		1	2	3	4	5			1	2	3	4	5
(GEO-3001)	1	Frame & Field Assembly					GAL-310	1	Armature Shaft Spacer				
GAL-44	1	Field Connection Ins.					GCJ-2101	1	ARMATURE ASSEMBLY				
GAR-211	1	Insulating Bushing					GK-174	1	1/2 Plain Washer				
GDS-29	2	Pole Piece					X-156	1	1/2-20 Castellated Nut				
GDS-2005	1	FIELD COIL ASSY.- Comp.					X-260	1	#5 Woodruff Key				
GDS-2007	1	Field Coil Assy.-Left					X-263	1	#8 Woodruff Key				
X-976	1	Terminal					X-404	1	3/32x1 Cotter Pin				
GDS-2008	1	Field Coil Assy.-Right					<u>Drive End Head Assembly &amp; Parts Used With</u>						
GAL-289	1	C. B. Lead Assembly					GEO-1003	1	Drive End Head Assembly				
X-755	1	Terminal					DB-17	1	Felt Guard				
X-1425	1	Terminal					GAR-95	1	Felt Washer				
X-959	1	Terminal					GBC-25	1	Felt Guard				
GK-38	2	Pole Piece Screw					GEO-3	1	Drive End Head				
MN-21	2	Dowel Pin					GW-29	1	Felt Washer				
8X-140	1	#6-32 Hex. Nut					GX-9	1	Bearing Retainer				
X-194	1	#6 Lock Washer					X-196	3	#10 Lock Washer				
8X-1008	1	#6-32x9/16 Rd. Hd. Screw					X-298	1	BALL BRG.- S.A.E. #204				
GK-20	2	Frame Screw					8X-311	3	#10-32x3/8 Rd. Hd. Screw				
X-199	2	1/4 Lock Washer					X-489	1	1/4 Oiler - Press in Type				
<u>Comm. End Plate Assembly &amp; Parts Used With</u>						<u>Miscellaneous Parts</u>							
(GEO-3002)	1	Comm. End Plate Assembly					CB-4014	1	CIRCUIT BREAKER ASSEMBLY				
GCJ-51	1	3rd Brush Plate Retaining Spring					CB-123	1	Armature Spring				
GCJ-1014L	1	3rd Brush Plate Assembly					CB-160S	1	Cover				
GBW-45	1	Brush Spring					PX-55	1	#10-32x3/16 Bdg. Hd. Sc.				
GCJ-26	1	Brush Arm					X-196	2	#10 Lock Washer				
GDF-1012†	2	Brush - Main					8X-312	1	#10-32x1/4 Rd. Hd. Screw				
GDF-1013†	1	Brush - Third					GBW-1024A	1	Head Band Assembly				
GEO-1002	1	C.E. Plate Part Assembly					GEO-30	1	Coupling				
GBW-45	1	Brush Spring					GEO-31	1	Retaining Washer				
GCJ-26	1	Brush Arm					X-63	1	#8-32x3/3 Flat Hd. Screw				
GCJ-1023L	1	Grounded Brush Holder Assembly					X-196	2	#10 Lock Washer				
GBW-45	1	Brush Spring					8X-321	2	#10-32x5/16 Rd. Hd. Screw				
GCJ-26	1	Brush Arm					X-715	1	#10-32x1 1/4 Rd. Hd. Screw				
X-195	2	#8 Lock Washer					8X-794	1	#10-32 Square Nut				
8X-304	2	#8-32x5/16 Rd. Hd. Sc.							1	2	3	4	5
X-195	1	#8 Lock Washer					(Issued 4-30-41)						
8X-311	1	#10-32x3/8 Rd. Hd. Screw											
8X-1507	1	#8-32x1/4 Bdg. Hd. Screw											
X-195	2	#8 Lock Washer											
8X-1507	2	#8-32x1/4 Bdg. Hd. Screw											
X-1580	1	BALL BEARING - Oil Seal											
		1	2	3	4	5							

† SERVICE BRUSH SET GDF-2012S.

UNIT	APPLICATION
GEO-4801	Chris Craft

Printed in U. S. A.

File in  
Equipment & Parts List Binder

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



# ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GEO-4802 GENERATOR PARTS LIST

GEO-4802

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
(GEO-2034)	1	Frame & Field Assembly					GAL-310	1	Armature Shaft Spacer				
GAL-44	1	Field Connection Ins.					GCJ-2101	1	ARMATURE ASSEMBLY				
GAR-211	1	Insulating Bushing					GK-174	1	1/2 Plain Washer				
GDS-29	2	Pole Piece					X-156	1	1/2-20 Castellated Nut				
GDS-1005B	1	FIELD COIL ASSY.- Comp.					X-260	1	#5 Woodruff Key				
GDS-1007A	1	Field Coil Assy.-Left					X-263	1	#8 Woodruff Key				
GAL-298	1	C.B. Lead Assembly					X-404	1	3/32x1 Cotter Pin				
X-755	1	Terminal					Drive End Head Assembly & Parts Used With						
X-1425	1	Terminal					GEO-1033	1	Drive End Head Assembly				
X-976	1	Terminal					DB-17	1	Felt Guard				
GDS-1008B	1	Field Coil Assy.-Right					GAR-95	1	Felt Washer				
X-959	1	Terminal					GBC-25	1	Felt Guard				
GK-38	2	Pole Piece Screw					GEO-33	1	Drive End Head				
MN-21	2	Dowel Pin					GW-29	1	Felt Washer				
8X-140	1	#6-32 Hex. Nut					GX-9	1	Bearing Retainer				
X-194	1	#6 Lock Washer					X-196	3	#10 Lock Washer				
8X-1008	1	#6-32x9/16 Rd. Hd. Screw					X-298	1	BALL BRG.- S.A.E. #204				
GK-20	2	Frame Screw					8X-311	3	#10-32x3/8 Rd. Hd. Sc.				
X-199	2	1/4 Lock Washer					X-489	1	1/4 Oiler.- Press in Type				
Comm. End Plate Assembly & Parts Used With						Miscellaneous Parts							
(GEO-2032)	1	Comm. End Plate Assembly					CB-4014	1	CIRCUIT BREAKER ASSEMBLY				
GCJ-51	1	3rd Brush Plate Retaining Spring					CB-123	1	Armature Spring				
GCJ-1014	1	3rd Brush Plate Assembly					CB-160S	1	Cover				
GBW-45	1	Brush Spring					PX-55	1	#10-32x3/16 Bdg. Hd. Sc.				
GCJ-26	1	Brush Arm					X-196	2	#10 Lock Washer				
GDF-1012†	2	Brush - Main					8X-312	1	#10-32x1/4 Rd. Hd. Screw				
GDF-1013†	1	Brush - Third					GBW-1024A	1	Head Band Assembly				
GEO-1032	1	C. E. Plate Part Assy.					GEO-30	1	Coupling				
GBW-45	1	Brush Spring					GEO-31	1	Retaining Washer				
GCJ-26	1	Brush Arm					X-63	1	#8-32x3/8 Flat Hd. Screw				
GCJ-1023R	1	Grounded Brush Holder Assembly					X-196	2	#10 Lock Washer				
GBW-45	1	Brush Spring					8X-321	2	#10-32x5/16 Rd. Hd. Screw				
GCJ-26	1	Brush Arm					X-715	1	#10-32x1 1/4 Rd. Hd. Screw				
X-195	2	#8 Lock Washer					8X-794	1	#10-32 Square Nut				
8X-304	2	#8-32x5/16 Rd. Hd. Sc.							1	2	3	4	5
X-195	1	#8 Lock Washer					(Issued 4-30-41)						
8X-311	1	#10-32x3/8 Rd. Hd. Screw											
8X-1507	1	#8-32x1/4 Bdg. Hd. Screw											
X-195	2	#8 Lock Washer											
8X-1507	2	#8-32x1/4 Bdg. Hd. Screw											
X-1580	1	BALL BEARING - Oil Seal											
		1	2	3	4	5							

† SERVICE BRUSH SET GDF-2012S.

UNIT	APPLICATION
GEO-4802	Chris Craft

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File in  
Equipment & Parts List Binder

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



# ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GEO-4804-3 GENERATOR PARTS LIST

GEO-4804-3  
(Issued 8-22-51)

<u>Frame &amp; Field Assembly &amp; Parts Used With</u>		
Part No.	No. Used	Name of Part
(GEO-3039)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GAR-211	1	Bushing, Insulating
GEO-2005	1	Coil Assy., Field, Complete
GEO-2007	1	Coil Assy., Field, Left Terminal
X-976	1	Terminal
GEO-2008	1	Coil Assy., Field, Right Lead Assembly
GAL-289	1	Lead Assembly
X-755	1	Terminal
X-1425	1	Terminal
X-959	1	Terminal
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
8X-140	1	Nut, Ground Sc., Hex. #6-32
X-194	1	Lockwasher, Grd. Sc., #6
8X-1008	1	Screw, Field Ground, Rd. Hd. #6-32x9/16
GK-20A	2	Bolt, Thru
X-199	2	Lockwasher, Thru Bolt, 1/4

<u>Comm. End Head Assembly &amp; Parts Used With</u>		
Part No.	No. Used	Name of Part
G CJ-2012S	1	Brush Set, Service
G CJ-3103S	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBW-30	1	Cover, Comm. End
GBW-69	1	Gasket, C.E. Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
G CJ-51	1	Spring, Retaining 3rd Brush Plate
G CJ-1014L	1	Plate Assy., 3rd Brush
GBW-45	1	Spring, Brush
G CJ-26	1	Arm, Brush
G CJ-1103AS	1	Head Assy., Partial, C.E.
GBF-79	1	Bearing, Abs. Bronze
GBW-45	1	Spring, Brush
G CJ-26	1	Arm, Brush
G CJ-1023L	1	Holder Assy., Brush, Grounded
GBW-45	1	Spring, Brush
G CJ-26	1	Arm, Brush
X-195	2	Lockwasher, Holder Sc., #8
8X-304	2	Screw, Br. Holder, Rd. Hd. #8-32x5/16
12X-195	4	Lockwasher, Cover Sc., #8

<u>Comm. End Head Assembly (Continued)</u>		
Part No.	No. Used	Name of Part
8X-311	1	Screw, Retaining Spring, Rd. Hd. #10-32x3/8
X-489	1	Oiler
8X-888	4	Screw, C.E. Cover, Fill. Hd. #8-32x5/16
X-195	3	Lockwasher, Lead Sc., #8
8X-1507	3	Screw, Brush Lead, Bdg. Hd. #8-32x1/4

<u>Armature Assembly &amp; Parts Used With</u>		
Part No.	No. Used	Name of Part
GBM-21B	1	Nut, Arm. Shaft, D.E.
G CJ-2092	1	Armature Assy.
GAR-171	1	Snap Ring
G CJ-93	1	Clutch
G J-104	1	Spacer, Arm. Shaft
GR-32	1	Retainer, Felt Washer
X-260	1	Key, Woodruff, #5
X-864	1	Lockwasher, Shaft, D.E.

<u>Drive End Head Assembly &amp; Parts Used With</u>		
Part No.	No. Used	Name of Part
GAR-1243	1	Head Assy., Drive End
GAM-34A	1	Retainer, Felt Washer, Outer
GAR-63	1	Retainer, Felt Washer, Inner
GAR-64	1	Retainer, Bearing
GAR-243	1	Head, Drive End
GG-164	2	Washer, Felt
X-196	3	Lockwasher, Retainer Sc., #10
X-295	1	Bearing, Ball, S.A.E. #203
8X-311	3	Screw, Brg. Retainer, Rd. Hd. #10-32x3/8
X-489	1	Oiler

<u>Miscellaneous Parts</u>		
Part No.	No. Used	Name of Part
CB-4014	1	Relay Assy., Cutout
CB-123	1	Spring, Armature
CB-160S	1	Cover, Relay
PX-55	1	Screw, Arm. Term., Bdg. Hd. #10-32x3/16
12X-196	2	Lockwasher, Term. Sc., #10
8X-312	1	Screw, Bat. Term., Rd. Hd. #10-32x1/4
GAL-1024B	1	Band, Cover
X-196	2	Lockwasher, Mtg. Sc., #10
8X-321	2	Screw, Relay Mtg., Rd. Hd.
X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

UNIT	APPLICATION
GEO-4804-3	Duesenberg (Marine), Star (Marine)

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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

GEO-4805-3 GENERATOR PARTS LIST

GEO-4805-3

Frame & Field Assembly & Parts Used With			Comm. End Head Assembly & Parts (Cont'd.)						
Part No.	No. Used	Name of Part	Part No.	No. Used	Name of Part				
(GEO-2040)	1	Frame & Field Assy.	8X-311	1	#10-32x3/8 Rd. Hd. Sc.				
GAL-44	1	Field Connection Ins.	8X-888	4	#8-32x5/16 Fill. Hd. Sc.				
GAR-211	1	Insulating Bushing	X-195	3	#8 Lockwasher				
GEO-1005A	1	FIELD COIL ASSY., COMPLETE	8X-1507	3	#8-32x1/4 Bdg. Hd. Screw				
GEO-1007	1	Field Coil Assy., Left	<b>Armature Assembly &amp; Parts Used With</b>						
GAL-298	1	Lead Assy.	GCJ-2055	1	ARMATURE ASSEMBLY				
X-755	1	Terminal	GAR-171	1	Snap Ring				
X-1425	1	Terminal	GJ-104	1	Armature Shaft Spacer				
X-976	1	Terminal	GJ-179	1	7/16 Plain Washer				
GEO-1008A	1	Field Coil Assy., Right	X-160	1	7/16-20 Hex. Nut				
X-959	1	Terminal	X-205	1	7/16 Lockwasher				
GK-38	2	Pole Shoe Screw	X-261	1	#6 Woodruff Key				
MN-21	2	Dowel Pin	<b>Drive End Head Assembly &amp; Parts Used With</b>						
8X-140	1	#6-32 Hex. Nut	GAL-1063B	1	Drive End Head Assy.				
X-194	1	#6 Lockwasher	GAL-63A	1	Drive End Head				
8X-1008	1	#6-32x9/16 Rd. Hd. Sc.	GG-6	2	Bearing Retainer				
GK-20	2	Thru Bolt	GG-164	1	Felt Washer				
X-199	2	1/4 Lockwasher	GK-176	1	Felt Washer Retainer				
<b>Comm. End Head Assembly &amp; Parts Used With</b>			8X-173	3	#10-32 Hex. Nut				
GCJ-2086B	1	Comm. End Head Assy.	X-196	3	#10 Lockwasher				
GAR-73	1	Oil Wick	X-295	1	BALL BEARING, S.A.E. #203				
GAR-98A	1	Wick Cover	8X-316	3	#10-32x3/4 Rd. Hd. Sc.				
GBW-69	1	Gasket, C.E. Cover	X-489	1	1/4 Oiler				
GBW-72	1	Oil Guard	<b>Miscellaneous Parts</b>						
GBW-73	1	Gasket, Oil Guard	CB-4014	1	RELAY ASSY., CUTOUT				
GBW-1068	1	Comm. End Cover	CB-123	1	Armature Spring				
GCJ-51	1	3rd. Br. Plate Retaining Spring	CB-160S	1	Cover, Relay				
GCJ-1012†	2	Brush, Main	PX-55	1	#10-32x3/16 Bdg. Hd. Sc.				
GCJ-1013†	1	Brush, Third	X-196	2	#10 Lockwasher				
GCJ-1014	1	3rd. Brush Plate Assy.	8X-312	1	#10-32x1/4 Rd. Hd. Sc.				
GBW-45	1	Brush Spring	GBW-1024E	1	Cover Band				
GCJ-26	1	Brush Arm	X-196	2	#10 Lockwasher				
GCJ-1086C	1	Comm. End Head Part Assy.	8X-321	2	#10-32x5/16 Rd. Hd. Sc.				
GBF-79	1	ABSORBENT BRONZE BRG.	X-714	1	#10-32x1 1/2 Rd. Hd. Sc.				
GBW-45	1	Brush Spring	8X-794	1	#10-32 Square Nut				
GCJ-26	1	Brush Arm	† SERVICE BRUSH SET GCJ-2012S.						
GCJ-1023R	1	Grounded Brush Holder Assembly	<table border="1" style="margin: auto; border-collapse: collapse;"> <thead> <tr> <th style="padding: 5px;">UNIT</th> <th style="padding: 5px;">APPLICATION</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">GEO-4805-3</td> <td style="padding: 5px;">Kermath (Marine)</td> </tr> </tbody> </table>			UNIT	APPLICATION	GEO-4805-3	Kermath (Marine)
UNIT	APPLICATION								
GEO-4805-3	Kermath (Marine)								
GBW-45	1	Brush Spring							
GCJ-26	1	Brush Arm							
X-195	2	#8 Lockwasher							
8X-304	2	#8-32x5/16 Rd. Hd. Sc.							
12X-195	4	#8 Lockwasher							

(Issued 4-12-50)

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# ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GEO-4806 GENERATOR PARTS LIST

GEO-4806

PRELIMINARY

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part				
		1	2	3	4	5
(GEO-3041)	1	Frame & Field Assembly				
GAL-44	1	Field Connection Ins.				
GAR-211	1	Insulating Bushing				
GDS-29	2	Pole Piece				
GDS-2005	1	FIELD COIL ASSY.- Comp.				
GDS-2007	1	Field Coil Assy.-Left				
X-976	1	Terminal				
GDS-2C08	1	Field Coil Assy.-Right				
GAL-289	1	C. B. Lead Assy.				
X-755	1	Terminal				
X-1425	1	Terminal				
X-959	1	Terminal				
GK-38	2	Pole Piece Screw				
MN-21	2	Dowel Pin				
8X-140	1	#6-32 Hex. Nut				
X-194	1	#6 Lock Washer				
8X-1008	1	#6-32x9/16 Rd. Hd. Sc.				
GK-20	2	Frame Screw				
X-199	2	1/4 Lock Washer				

Comm. End Head Assembly & Parts Used With

(GCJ-3085B)	1	Comm. End Head Assembly				
GAR-73	1	Oil Wick				
GAR-98A	1	Wick Cover				
GBW-69	1	Gasket				
GBW-72	1	Oil Guard				
GBW-73	1	Oil Retaining Gasket				
GBW-1068B	1	Comm. End Cap Cover				
GCJ-51	1	3rd Brush Plate Retaining Spring				
GCJ-1012†	2	Brush - Main				
GCJ-1013†	1	Brush - Third				
GCJ-1014L	1	3rd Br. Plate Assembly				
GBW-45	1	Brush Spring				
GCJ-26	1	Brush Arm				
GCJ-1088A	1	C. E. Head Part Assy.				
GBF-79	1	ABSORBENT BRONZE BRG.				
GBW-45	1	Brush Spring				
GCJ-26	1	Brush Arm				
GCJ-1023L	1	Grounded Brush Holder Assembly				
GBW-45	1	Brush Spring				
GCJ-26	1	Brush Arm				
X-195	2	#8 Lock Washer				
8X-304	2	#8-32x5/16 Rd. Hd. Sc.				
X-195	5	#8 Lock Washer				
8X-311	1	#10-32x3/8 Rd. Hd. Screw				
8X-368	4	#8-32x5/16 Fill. Hd. Sc.				
8X-1507	1	#8-32x1/4 Bdg. Hd. Screw				
X-195	2	#8 Lock Washer				
8X-1507	2	#8-32x1/4 Bdg. Hd. Screw				
		1	2	3	4	5

Armature Assembly & Parts Used With

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

Drive End Head Assembly & Parts Used With

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

Miscellaneous Parts

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

(Issued 1-26-42)

† SERVICE BRUSH SET GCJ-2012S.

UNIT	APPLICATION
GEO-4806	Kermath

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# ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GEO-4807-3 GENERATOR PARTS LIST

GEO-4807-3  
(Issued 3-30-55)

Frame & Field Assembly & Parts Used With			Comm. End Head Assembly (Continued)						
Part No.	No. Used	Name of Part	Part No.	No. Used	Name of Part				
GEO-3042	1	Frame & Field Assembly	8X-1507	3	Screw, Br. Lead, Bdg. Hd. #8-32x1/4				
GAL-44	1	Insulation, Field Connection	<u>Armature Assembly &amp; Parts Used With</u>						
GAR-211	1	Bushing, Insulating	GAL-310	1	Spacer, Armature Shaft				
GEO-2005C	1	COIL ASSEMBLY, FIELD, COMPLETE	GCG-2091	1	ARMATURE				
GEO-2007A	1	Coil Assy., Field, Left	GK-174	1	Washer, Plain, Arm. Shaft, 1/2				
X-959	1	Terminal	X-156	1	Nut, Arm. Shaft, Hex., D. E.				
GEO-2008C	1	Coil Assy., Field, Right	X-263	1	Key, Woodruff, #8				
GAL-296	1	Lead Assembly	X-404	1	Pin, Cotter, 3/32x1				
X-755	1	Terminal	<u>Drive End Head Assembly &amp; Parts Used With</u>						
X-1425	1	Terminal	GDF-1003D	1	Head Assy., Drive End				
X-976	1	Terminal	DB-17	1	Washer, Felt Retaining				
GK-38	2	Screw, Pole Shoe	GAR-95	1	Washer, Felt, Inner				
MN-21	2	Pin, Dowel	GBC-25	1	Retainer, Felt Washer, Inner				
8X-140	1	Nut, Field Ground, Hex. #6-32	GDF-3D	1	Head, D. E.				
X-194	1	Lockwasher, Ground Sc., #6	GG-164	1	Washer, Felt, Outer				
8X-1008	1	Screw, Field Ground, Rd. Hd. #6-32x9/16	GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2				
GK-20A	2	Bolt, Thru	GX-9	1	Retainer, Bearing				
12X-199	2	Lockwasher, Thru Bolt, 1/4	12X-196	3	Lockwasher, Retainer Sc., #10				
<u>Comm. End Head Assembly &amp; Parts Used With</u>			X-298	1	BEARING, BALL, S. A. E. #204				
GCG-2012S	1	BRUSH SET, SERVICE	X-489	1	Oiler				
GCG-3085AS	1	Head Assy., Comm. End	<u>Miscellaneous Parts</u>						
GAR-73	1	Wick, Felt	CB-4014	1	RELAY ASSY., CUT-OUT				
GAR-98A	1	Cover, Wick	CB-123	1	Spring, Armature				
GBW-69	1	Gasket, Cover, C. E.	CB-160S	1	Cover				
GBW-72	1	Oil Guard	PX-55	1	Screw, Arm. Term., Bdg. Hd. #10-32x3/16				
GBW-73	1	Gasket, Oil Guard	12X-196	2	Lockwasher, Term. Screw, #10				
GBW-1068	1	Cover, Comm. End	8X-312	1	Screw, Bat. Term., Rd. Hd. #10-32x1/4				
GCG-51	1	Spring, Retaining, 3rd Brush Plate	GBW-1024E	1	Band, Cover				
GCG-1014L	1	Plate Assy., 3rd Brush	12X-196	2	Lockwasher, Mtg. Sc., #10				
GBW-45	1	Spring, Brush	8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2				
GCG-26	1	Arm, Brush	8X-794	1	Nut, Cover Band, Square #10-32				
GCG-1085C	1	Head Assy., Partial, C. E.	8X-1515	2	Screw, Relay Mtg., Rd. Hd. #10-32x5/16				
GBF-79	1	BEARING, ABS. BRONZE	<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;">GEO-4807-3</td> <td style="padding: 5px;">Buchanan Marine Chris Craft</td> </tr> </table>			UNIT	APPLICATION	GEO-4807-3	Buchanan Marine Chris Craft
UNIT	APPLICATION								
GEO-4807-3	Buchanan Marine Chris Craft								
GBW-45	1	Spring, Brush							
GCG-26	1	Arm, Brush							
GCG-1023L	1	Holder Assy., Brush, Grounded							
GBW-45	1	Spring, Brush							
GCG-26	1	Arm, Brush							
12X-195	2	Lockwasher, Holder Sc., #8							
8X-304	2	Screw, Br. Holder, Rd. Hd. #8-32x5/16							
GGW-52	1	Screw, Retaining Spring, Rd. Hd. #10-32x1/2							
12X-195	4	Lockwasher, Cover Sc., #8							
8X-888	4	Screw, Cover, Fill. Hd. #8-32x5/16							
12X-195	3	Lockwasher, Lead Screw, #8							

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# ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GEO-4808 GENERATOR PARTS LIST

GEO-4808

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	
(GEO-3044)	1	Frame & Field Assembly					GAR-1177	1	Oil Thrower Assembly					
GAL-44	1	Field Connection Ins.					GCJ-2080	1	ARMATURE ASSEMBLY					
GAR-211	1	Insulating Bushing					X-157	1	1/2-20 Slotted Nut					
GDS-29	2	Pole Piece					X-263	1	#8 Woodruff Key					
GDS-2005A	1	FIELD COIL ASSY.- Comp.					X-358	1	1/2 Plain Steel Washer					
GDS-2007	1	Field Coil Assy.-Left					X-404	1	3/32x1 Cotter Pin					
X-976	1	Terminal					<u>Drive End Head Assembly &amp; Parts Used With</u>							
GDS-2008A	1	Field Coil Assy.-Right					GAR-1229	1	Drive End Head Assembly					
GAL-298	1	C. B. Lead Assy.					GAR-229	1	Drive End Head					
X-755	1	Terminal					GX-9	1	Bearing Retainer					
X-1425	1	Terminal					GX-10	1	Gasket					
X-767	1	Terminal					X-196	3	#10 Lock Washer					
GK-38	2	Pole Piece Screw					8X-311	3	#10-32x3/8 Rd. Hd. Screw					
MN-21	2	Dowel Pin					X-378	1	BALL BEARING - S.A.E. #204					
GT-20	2	Frame Screw							Oil Seal					
X-199	2	1/4 Lock Washer												
<u>Comm. End Head Assembly &amp; Parts Used With</u>					<u>Miscellaneous Parts</u>									
(GCJ-3085B)	1	Comm. End Head Assembly					GBW-1024A	1	Head Band Assembly					
GAR-73	1	Oil Wick					TC-4305B	1	TWO CHARGE REGULATOR					
GAR-98A	1	Wick Cover					X-196	4	#10 Lock Washer					
GBW-69	1	Gasket					8X-321	4	#10-32x5/16 Rd. Hd. Screw					
GBW-72	1	Oil Guard					X-715	1	#10-32x1 1/4 Rd. Hd. Screw					
GBW-73	1	Oil Retaining Gasket					8X-794	1	#10-32 Square Nut					
GBW-1068B	1	Comm. End Cap Cover							1	2	3	4	5	
GCJ-51	1	3rd Brush Plate Retaining Spring					(Issued 1-26-42)							
GCJ-1012†	2	Brush - Main												
GCJ-1013†	1	Brush - Third												
GCJ-1014L	1	3rd Brush Plate Assy.												
GBW-45	1	Brush Spring												
GCJ-26	1	Brush Arm												
GCJ-1085A	1	C. E. Head Part Assy.												
GRF-79	1	ABSORBENT BRONZE BRG.												
GBW-45	1	Brush Spring												
GBW-26	1	Brush Arm												
GCJ-1023L	1	Grounded Brush Holder Assembly												
GCJ-45	1	Brush Spring												
GCJ-26	1	Brush Arm												
X-195	2	#8 Lock Washer												
X-304	2	#8-32x5/16 Rd. Hd. Sc.												
X-195	5	#8 Lock Washer												
X-311	1	#10-32x3/8 Rd. Hd. Screw												
8X-888	4	#8-32x5/16 Fill. Hd. Screw												
8X-1507	1	#8-32x1/4 Bdg. Hd. Screw												
X-195	2	#8 Lock Washer												
X-1507	2	#8-32x1/4 Bdg. Hd. Screw												
		1	2	3	4	5								

† SERVICE BRUSH SET GCJ-2012S.

UNIT	APPLICATION
GEO-4808	Universal Shovel, Bay City Shovel

Printed in U. S. A.

File in  
Equipment & Parts List Binder

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



# ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GEO-4809 GENERATOR PARTS LIST

GEO-4809

PRELIMINARY

Frame & Field Assembly & Parts Used With					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			
(GEO-2043)	1	Frame & Field Assembly					GAL-310	1	Armature Shaft Spacer							
GAL-44	1	Field Connection Ins.					GCJ-2091	1	ARMATURE ASSEMBLY							
GAR-211	1	Insulating Bushing					GK-174	1	1/4 Plain Washer							
GDS-29	2	Pole Piece					X-156	1	1/2-20 Castellated Nut							
GDS-1005E	1	FIELD COIL ASSY.- Comp.					X-263	1	#8 Woodruff Key							
GDS-1007B	1	Field Coil Assy.-Left					X-404	1	3/32x1 Cotter Pin							
X-976	1	Terminal					<b>Drive End Head Assembly &amp; Parts Used With</b>									
GDS-1008F	1	Field Coil Assy.-Right					GDF-1003E	1	Drive End Head Assembly							
GAL-299	1	C. B. Lead Assy.					DB-17	1	Felt Guard							
X-755	1	Terminal					GAR-95	1	Felt Washer							
X-1425	1	Terminal					GBC-25	1	Felt Guard							
X-959	1	Terminal					GDF-3E	1	Drive End Head							
GK-38	2	Pole Piece Screw					GW-29	1	Felt Washer							
MN-21	2	Dowel Pin					GX-9	1	Bearing Retainer							
8X-140	1	#6-32 Hex. Nut					X-196	3	#10 Lock Washer							
X-194	1	#6 Lock Washer					X-298	1	BALL BRG.- S.A.E. #204							
8X-1008	1	#6-32x9/16 Rd. Hd. Screw					8X-311	3	#10-32x3/8 Rd. Hd. Screw							
GK-20A	2	Frame Screw					X-489	1	1/4 Oiler - Press in Type							
X-199	2	1/4 Lock Washer					<b>Miscellaneous Parts</b>									
<b>Comm. End Plate Assembly &amp; Parts Used With</b>										CB-4014	1	CIRCUIT BREAKER ASSEMBLY				
(GCJ-2086A)	1	Comm. End Plate Assembly					CB-123	1	Armature Spring							
GAR-73	1	Oil Wick					CB-160S	1	C. B. Cover							
GAR-98A	1	Wick Cover					PX-55	1	#10-32x3/16 Bdg. Hd. Sc.							
GBW-69	1	Gasket					X-196	2	#10 Lock Washer							
GBW-72	1	Oil Guard					8X-312	1	#10-32x1/4 Rd. Hd. Screw							
GBW-73	1	Oil Retaining Gasket					GBW-1024A	1	Head Band Assembly							
GBW-1068B	1	Comm. End Cap Cover					X-196	2	#10 Lock Washer							
GCJ-51	1	3rd Brush Plate Retaining Spring					8X-321	2	#10-32x5/16 Rd. Hd. Screw							
		3rd Brush Plate Assy.					8X-715	1	#10-32x1 1/4 Rd. Hd. Screw							
GCJ-1014	1	3rd Brush Plate Assy.					8X-794	1	#10-32 Square Nut							
GBW-45	1	Brush Spring							1	2	3	4	5			
GCJ-26	1	Brush Arm					(Issued 7-2-41)									
GCJ-1086C	1	C. E. Plate Part Assy.														
GBF-79	1	ABSORBENT BRONZE BRG.														
GBW-45	1	Brush Spring														
GCJ-26	1	Brush Arm														
GCJ-1023R	1	Grounded Brush Holder Assembly														
GBW-45	1	Brush Spring														
GCJ-26	1	Brush Arm														
X-195	2	#8 Lock Washer														
8X-304	2	#8-32x5/16 Rd. Hd. Sc.														
GDF-1012†	2	Brush - Main														
GDF-1013†	1	Brush - Third														
X-195	5	#8 Lock Washer														
8X-311	1	#10-32x3/8 Rd. Hd. Screw														
8X-888	4	#8-32x5/16 Fill. Hd. Sc.														
8X-1507	1	#8-32x1/4 Bdg. Hd. Screw														
X-195	2	#8 Lock Washer														
8X-1507	2	#8-32x1/4 Bdg. Hd. Screw														
		1	2	3	4	5										

† SERVICE BRUSH SET GDF-2012S.

UNIT	APPLICATION
GEO-4809	Chris Craft

Printed in U. S. A.

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

GEO-4810,A GENERATOR PARTS LIST

GEO-4810,A

Frame & Field Assembly & Parts Used With			Comm. End Head Assembly & Parts (Cont'd.)		
Part No.	No. Used	Name Of Part	Part No.	No. Used	Name Of Part
(GEO-2055)	1	Frame & Field Assy.	8X-726	3	Screw, C.E. Cover, Bdg. Hd. #10-32x7/16
GAL-44	1	Insulation, Field Connection	X-1270	3	Washer, Cover Screw, Skpf. #10
GAR-211	1	Bushing, Insulating	X-1621	3	Washer, Air Deflector Screw, Skpf. #10
GEO-1005C	1	COIL ASSY., FIELD COMPLETE			
GEO-1007B	1	Coil Assy., Field, Left	<u>Armature Assembly &amp; Parts Used With</u>		
GAL-266	1	Lead Assy.	GAR-1177	1	Oil Thrower
X-755	1	Terminal	GBM-21B	1	Nut, Armature Shaft, C.E.
X-1425	1	Terminal	GCJ-2047	1	ARMATURE ASSY.
X-976	1	Terminal	GAR-171	1	Snap Ring
GEO-1008C	1	Coil Assy., Field, Right	GK-174	1	Washer, Shaft, D.E., Plain, 1/2
X-767	1	Terminal	GR-32	1	Retainer, Felt Washer
GK-38	2	Screw, Pole Shoe	SP-96C	1	Fan, Ventilating
MZ-21	2	Pin, Dowel	X-156	1	Nut, Shaft, D.E., Castellated, 1/2-20
GT-20A	2	Bolt, Thru	X-258	1	Key, Woodruff, C.E., #3
12X-199	2	Lockwasher, Thru Bolt, 1/4	X-263	1	Key, Woodruff, D.E., #8
			X-404	1	Pin, Cotter, 3/32x1
			X-864	1	Lockwasher, Arm. Shaft, C.E.
<u>Comm. End Head Assembly &amp; Parts Used With</u>			<u>Drive End Head Assy. &amp; Parts Used With</u>		
DA-39	2	Washer, Plain, Felt Retaining	GAR-1096A	1	Head Assy., Drive End
DA-132	1	Washer, Felt, C.E., Outer	GAR-95	1	Washer, Felt
GAB-188	1	Washer, Felt	GAR-96A	1	Head
GAR-82	1	Deflector, Air	GX-9	1	Retainer, Bearing
GAR-83A	1	Cover, Comm. End	GX-10	1	Gasket, Brg. Retainer
GBJ-25	1	Gasket, Comm. End Cover	X-196	3	Lockwasher, Retainer Screw, #10
GCJ-2108	1	Head Assy., Comm. End	8X-311	3	Screw, Retainer, Rd. Hd. #10-32x3/8
GCJ-51	1	Spring, Retaining, 3rd. Brush Plate	X-378	1	BEARING, BALL, SHIELDED, S.A.E. #204
GCJ-1012 †	2	Brush, Main	<u>Miscellaneous Parts</u>		
GCJ-1013 †	1	Brush, Third	GBW-1024E	1	Band, Cover
GCJ-1014	1	Plate Assy., 3rd Brush	*	1	REGULATOR, TWO CHARGE
GBW-45	1	Spring, Brush	12X-196	4	Lockwasher, Regulator Mtg. Sc., #10
GCJ-26	1	Arm, Brush	8X-321	4	Screw, Regulator Mtg., Rd. Hd. #10-32x5/16
GCJ-1108	1	Head Assy., Partial, C.E.	8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
GBW-45	1	Spring, Brush	8X-794	1	Nut, Cover Band, Square #10-32
GCJ-26	1	Arm, Brush			
GCJ-1023R	1	Holder Assy., Brush, Grounded	Assembly No.		Regulator
GBW-45	1	Spring, Brush	GEO-4810		TC-4302A
GCJ-26	1	Arm, Brush	GEO-4810A		TC-4301C
X-195	2	Lockwasher, Br. Holder Sc., #8			
8X-304	2	Screw, Br. Holder, Rd. Hd. #8-32x5/16			
8X-311	1	Screw, Retaining Spring, Rd. Hd. #10-32x3/8			
8X-66	3	Screw, Air Deflector, Flat Hd. #10-32x1/2			
12X-195	3	Lockwasher, Brush Lead Sc., #8			
X-295	1	BEARING, BALL, S.A.E. #203			
8X-305	3	Screw, Brush Lead, Rd. Hd. #8-32x1/4			
X-489	1	Oiler			

† BRUSH SET, SERVICE GCJ-2012S.

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





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# ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GEO-4813 GENERATOR PARTS LIST

GEO-4813

## Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GEO-2054)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GAR-211	1	Bushing, Insulating
GEO-1005	1	COIL ASSY., FIELD, COMPLETE
GEO-1007	1	Coil Assy., Field, Left
GAL-298	1	Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GEO-1008	1	Coil Assy., Field, Right
X-767	1	Terminal
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
GT-20A	2	Bolt, Thru
X-199	2	Lockwasher, Thru Bolt, 1/4

## Comm. End Head Assembly & Parts Used With

DA-39	2	Washer, Plain, Felt Retaining
DA-132	1	Washer, Felt, C.E. Outer
GAB-188	1	Washer, Felt, C.E. Inner
GAR-83A	1	Cover, Comm. End
GBJ-25	1	Gasket, Comm. End Cover
GCJ-2108	1	Head Assy., Comm. End
GCJ-51	1	Spring, Retaining, 3rd Brush Plate
GCJ-1012†	2	Brush, Main
GCJ-1013†	1	Brush, Third
GCJ-1014	1	Plate Assy., 3rd. Brush
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1108	1	Head Assy., Partial, C.E.
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1023R	1	Holder Assy., Brush Grounded
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
X-195	2	Lockwasher, Holder Sc., #8
8X-304	2	Screw, Br. Holder, #8-32x5/16
8X-311	1	Screw, Retainer, Rd. Hd. #10-32x3/8
X-195	3	Lockwasher, Brush Lead Sc., #8
X-295	1	BEARING, BALL, S.A.E. #203
X-489	1	Oiler
8X-726	3	Screw, C.E. Cover, Bdg. Hd. #10-32x7/16
X-1270	3	Washer, Cover Sc., Skpf. #10
8X-1507	3	Screw, Brush Lead, Bdg. Hd. #8-32x1/4

## Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
DG-1144	1	Oil Thrower
GBM-21B	1	Nut, Arm. Shaft, C.E.
GCJ-2044F	1	ARMATURE ASSY.
GAR-171	1	Snap Ring
GR-32	1	Retainer, Felt Washer
SP-96C	1	Fan, Ventilating
X-258	2	Key, Woodruff, #3
X-358	1	Washer, Shaft, D.E., Plain 1/2
X-404	1	Pin, Cotter
X-835	1	Nut, Shaft, D.E., Slotted 1/2-20
X-864	1	Lockwasher, Shaft, C.E.

## Drive End Head Assembly & Parts Used With

GAR-1192	1	Head Assy., Drive End
GAE-47	1	Retainer, Bearing
GAR-192	1	Head, Drive End
8X-66	3	Screw, Retainer, Flat Hd. #10-32x1/2
X-378	1	BEARING, BALL, SHIELDED, S.A.E. #204
X-1621	3	Washer, Retainer Sc., Skpf. #10

## Miscellaneous Parts

GBW-1024E	1	Band, Cover
TC-4302A	1	REGULATOR, TWO CHARGE
X-196	4	Lockwasher, Regulator Mtg. Sc., #10
8X-321	4	Screw, Regulator Mtg., Rd. Hd. #10-32x5/16
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GCJ-2012S.

UNIT	APPLICATION
GEO-4813	U.S. Motors, Cullen-Friestedt

(Issued 10-12-49)

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# ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GEO-4814-3 GENERATOR PARTS LIST

GEO-4814-3

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				
(GEO-3066)	1	Frame & Field Assy.	8X-311	1	Screw, Plate Retaining, Rd. Hd. #10-32x3/8				
GAL-44	1	Insulation, Field Connection	8X-888	4	Screw, Cover Fill. Hd. #8-32x5/16				
GAR-211A	1	Bushing, Insulating	X-195	3	Lockwasher, Brush Lead Sc., #8				
GEO-2005B	1	COIL ASSY., FIELD, COMPLETE	8X-1507	3	Screw, Brush Lead, Bdg. Hd. #8-32x1/4				
GEO-2007	1	Coil Assy., Field, Left	<b>Armature Assembly &amp; Parts Used With</b>						
X-976	1	Terminal	GAL-310	1	Spacer, Armature Shaft				
GEO-2008B	1	Coil Assy., Field, Right	G CJ-2091	1	ARMATURE				
GAL-296	1	Lead Assembly	GK-174	1	Washer, Shaft Nut, Plain 1/2				
X-755	1	Terminal	X-156	1	Nut, Arm. Shaft, D.E., Hex. Castellated 1/2-20				
X-1425	1	Terminal	X-263	1	Key, Woodruff, #8				
X-959	1	Terminal	X-404	1	Pin, Cotter, 3/32x1				
GK-38	2	Screw, Pole Shoe	<b>Drive End Head Assembly &amp; Parts Used With</b>						
MN-21	2	Pin, Dowel	GDF-1003C	1	Head Assy., Drive End				
8X-140	1	Nut, Field Ground, Hex. #6-32	DB-17	1	Washer, Felt Retaining				
X-194	1	Lockwasher, Grd. Screw, #6	GAR-95	1	Washer, Felt, Inner				
8X-1008	1	Screw, Field Ground, Rd. Hd. #6-32x9/16	GBC-25	1	Retainer, Felt Washer Inner				
GK-20	2	Bolt, Thru	GDF-3C	1	Head, Drive End				
X-199	2	Lockwasher, Thru Bolt, 1/4	GG-164	1	Washer, Felt, Outer				
<b>Comm. End Head Assembly &amp; Parts Used With</b>			GX-9	1	Retainer, Bearing				
G CJ-3085B	1	Head Assy., Comm. End	X-196	3	Lockwasher, Retainer Screw, #10				
GAR-73	1	Wick, Felt	X-298	1	BEARING, BALL, S.A.E. #204				
GAR-98A	1	Cover, Wick	8X-311	3	Screw, Retainer, Rd. Hd. #10-32x3/8				
GBW-69	1	Gasket, Comm. End Cover	X-489	1	Oiler				
GBW-72	1	Oil Guard	<b>Miscellaneous Parts</b>						
GBW-73	1	Gasket, Oil Guard	CB-4014	1	RELAY ASSY., CUTOUT				
GBW-1068	1	Cover, Comm. End	CB-123	1	Spring, Armature				
G CJ-51	1	Spring, Retaining, 3rd. Brush Plate	CB-160S	1	Cover				
G CJ-1012†	2	Brush, Main	PX-55	1	Screw, Arm. Term., Bdg. Hd. #10-32x3/16				
G CJ-1013†	1	Brush, Third	12X-196	2	Lockwasher, Term. Screw, #10				
G CJ-1014L	1	Plate Assy., 3rd Brush	8X-312	1	Screw, Bat. Term., Rd. Hd. #10-32x1/4				
GBW-45	1	Spring, Brush	GBW-24B	1	Band, Cover				
G CJ-26	1	Arm, Brush	X-196	2	Lockwasher, Relay Mtg. Sc., #10				
G CJ-1085C	1	Head Assy., Partial, C.E.	8X-321	2	Screw, Relay Mtg., Rd. Hd. #10-32x5/16				
GBF-79	1	BEARING, ABS. BRONZE	8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2				
GBW-45	1	Spring, Ins., Brush	8X-794	1	Nut, Cover Band, Square #10-32				
G CJ-26	1	Arm, Ins., Brush	† BRUSH SET, SERVICE G CJ-2012S.						
G CJ-1023L	1	Holder Assy., Brush, Grounded	<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;">GEO-4814-3</td> <td style="padding: 5px;">Kermath</td> </tr> </table>			UNIT	APPLICATION	GEO-4814-3	Kermath
UNIT	APPLICATION								
GEO-4814-3	Kermath								
GBW-45	1	Spring, Brush							
G CJ-26	1	Arm, Brush							
X-195	2	Lockwasher, Holder Screw, #8							
8X-304	2	Screw, Holder Attaching, Rd. Hd. #8-32x5/16							
X-195	4	Lockwasher, Cover Sc., #8							

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(Issued 6-3-49)

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# ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GEO-4818A-3 GENERATOR PARTS LIST (Con't.)

GEO-4818A-3

## Miscellaneous Parts (Con't.)

8X-714 1 Screw, Cover Band, Rd. Hd.  
#10-32x1 1/2  
8X-794 1 Nut, Cover Band, Square  
#10-32  
X-1270 2 Washer, Cutout Relay Mtg.,  
Skpf. #10

† BRUSH SET, SERVICE GCJ-2012S.

UNIT	APPLICATION
GEO-4818A-3	Cockshutt

(Issued 8-24-48)

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# ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

## GEO-4819 GENERATOR PARTS LIST

GEO-4819  
(Issued 1-27-56)

### Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
GEO-2054	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GAR-211	1	Bushing, Insulating
GEO-1005	1	COIL ASSY., FIELD, COMPLETE
GEO-1007	1	Coil Assy., Field, Left
GAL-298	1	Lead Assembly
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GEO-1008	1	Coil Assy., Field, Right
X-767	1	Terminal
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
GT-20A	2	Bolt, Thru
12X-199	2	Lockwasher, Thru Bolt, 1/4

### Comm. End Head Assembly & Parts Used With

DA-39	2	Washer, Plain, Felt Retaining
DA-132	1	Washer, Felt, C. E. Outer
GAB-188	1	Washer, Felt, C. E. Inner
GAR-83A	1	Cover, Comm. End
GBJ-25	1	Gasket, C. E. Cover
GCJ-2012S	1	BRUSH SET, SERVICE
GCJ-2108S	1	Head Assy., Comm. End
GCJ-51	1	Spring, Retaining, 3rd. Brush Plate
GCJ-1014	1	Plate Assy., 3rd. Brush
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1108	1	Head Assy., Partial, C. E.
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1023R	1	Holder Assy., Brush, Grounded
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
X-195	2	Lockwasher, Holder Sc., #8
8X-304	2	Screw, Brush Holder, Rd. Hd. #8-32x5/16
GGW-52	1	Screw, Spring, Rd. Hd. #10-32x1/2
12X-195	3	Lockwasher, Lead Sc., #8
X-295	1	BEARING, BALL, S. A. E. #203
8X-305	3	Screw, Brush Lead, Rd. Hd. #8-32x1/4
X-489	1	Oiler
8X-726	3	Screw, C. E. Cover, Bdg. Hd. #10-32x7/16
X-1270	3	Washer, Cover Sc., Skpf. #10

### Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GAR-1177	1	Oil Thrower
GBM-21B	1	Nut, Arm. Shaft, C. E.
GCJ-2047	1	ARMATURE ASSY.
GAR-171	1	Snap Ring
GK-174	1	Washer, Arm. Shaft, D. E.
GR-32	1	Retainer, Felt Washer
SP-96C	1	Fan, Ventilating
X-156	1	Nut, Arm. Shaft, D. E.
X-258	1	Key, Woodruff, C. E., #3
X-263	1	Key, Woodruff, D. E., #8
X-404	1	Pin, Cotter
X-864	1	Lockwasher, Shaft, C. E.

### Drive End Head Assembly & Parts Used With

GAR-1096A	1	Head Assy., Drive End
GAR-95	1	Washer, Felt
GAR-96A	1	Head, Drive End
GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2
GX-9	1	Retainer, Bearing
GX-10	1	Gasket
12X-196	3	Lockwasher, Retainer Sc., #10
X-378	1	BEARING, BALL, SHIELDED, S. A. E. #204

### Miscellaneous Parts

GBW-1024E	1	Band, Cover
TC-4302A	1	REGULATOR, TWO CHARGE
12X-196	4	Lockwasher, Mtg. Sc., #10
8X-321	4	Screw, Reg. Mtg., Rd. Hd. #10-32x5/16
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

UNIT	APPLICATION
GEO-4819	Hercules

Printed in U. S. A.

File in  
Equipment & Parts List Binder

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



# ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GEP-4801 GENERATOR PARTS LIST

GEP-4801

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part					
			1	2	3	4	5
GCJ-33	1	Grounding Cup					
(GDS-2040)	1	Frame & Field Assy.					
GAA-32	1	Term. Post Top Ins.					
GAL-44	1	Field Connection Ins.					
GBW-34	1	Insulating Washer					
GCT-25	1	Insulating Bushing					
GCY-25	1	Insulating Bushing					
GDS-29	2	Pole Piece					
GDS-30	1	Lead Assembly					
GAA-27	1	Terminal Post					
X-847	1	Terminal					
GDS-41	1	Term. Post Bottom Ins.					
GDS-1005D	1	FIELD COIL ASSY.-Comp.					
GBW-58	1	Terminal Post					
GDS-1007	1	Field Coil Assy.-Left					
X-976	1	Terminal					
GDS-1008E	1	Field Coil-Right					
GK-38	2	Pole Piece Screw					
MN-21	2	Dowel Pin					
8X-177	1	#14-24 Hex. Nut					
X-193	1	#14 Lock Washer					
X-196	1	#10 Lock Washer					
8X-349	1	#10 Plain Washer					
8X-361	1	1/4 Plain Washer					
8X-1377	1	#10-32 Hex. Nut					
GK-20	2	Frame Screw					
8X-177	1	#14-24 Hex. Nut					
X-193	1	#14 Lock Washer					
X-196	1	#10 Lock Washer					
X-199	2	1/4 Lock Washer					
8X-1377	1	#10-32 Hex. Nut					

Comm. End Plate Assembly & Parts Used With

(GDF-2002A)	1	Comm. End Plate Assy.					
GAR-73	1	Oil Wick					
GAR-98A	1	Wick Cover					
GBW-30B	1	Comm. End Cap Cover					
GBW-31	1	Gasket					
GBW-72	1	Oil Guard					
GBW-73	1	Oil Retaining Gasket					
GCJ-51	1	3rd Brush Plate Retaining Spring					
GCJ-1002C	1	C.E. Plate Part Assy.					
GBF-79	1	ABSORBENT BRONZE BRG.					
GBW-45	2	Brush Spring					
GCJ-26	2	Brush Arm					
GCJ-1014	1	3rd Brush Plate Assy.					
GBW-45	1	Brush Spring					
GCJ-26	1	Brush Arm					
GDF-1012†	2	Brush - Main					
GDF-1013†	1	Brush - Third					
X-195	5	#8 Lock Washer					
8X-311	1	#10-32x3/8 Rd. Hd. Sc.					
X-489	1	1/4 Oiler-Press in Type					
8X-888	4	#8-32x5/16 Fill. Hd. Sc.					
8X-1507	1	#8-32x1/4 Bdg. Hd. Sc.					
X-195	2	#8 Lock Washer					
8X-1507	2	#8-32x1/4 Bdg. Hd. Screw					
		1 2 3 4 5					

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part					
			1	2	3	4	5
GBM-21	1	Armature Shaft Nut					
GDF-2006	1	ARMATURE ASSEMBLY					
GAR-171	1	Snap Ring					
GR-32	1	Felt Washer Retainer					
X-260	1	#5 Woodruff Key					
X-864	1	.669 Lock Washer					

Drive End Head Assembly & Parts Used With

GBJ-1065	1	Drive End Head Assy.					
GAR-63	2	Felt Guard					
GAR-64	2	Bearing Retainer					
GBJ-65	1	Drive End Head					
GG-164	2	Felt Washer					
8X-173	3	#10-32 Hex. Nut					
X-196	3	#10 Lock Washer					
X-295	1	BALL BRG. - S.A.E. #203					
X-489	1	1/4 Oiler-Press in Tyne					
8X-1003	3	#10-32x7/8 Rd. Hd. Sc.					

Miscellaneous Parts

GBW-24	1	Head Band Assembly					
X-196	4	#10 Lock Washer					
8X-321	4	#10-32x5/16 Rd. Hd. Screw					
X-714	1	#10-32x1 1/2 Rd. Hd. Sc.					
8X-794	1	#10-32 Square Nut					
		1 2 3 4 5					

(Issued 7-10-40)

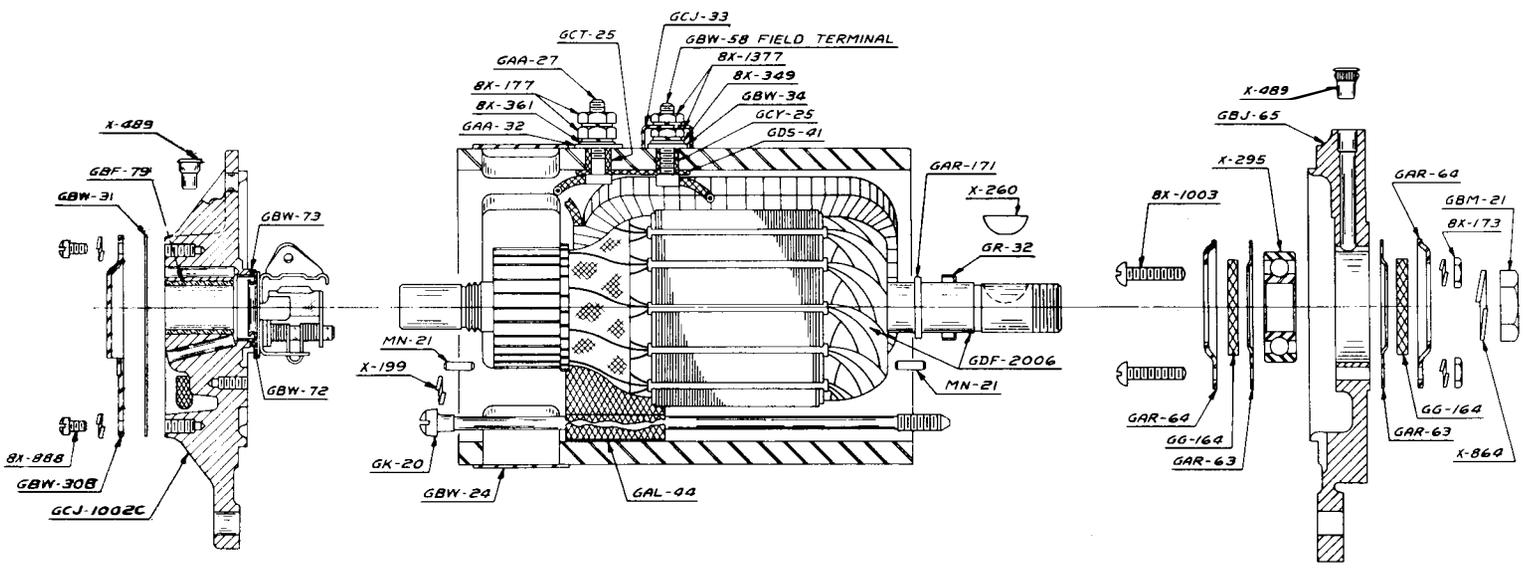
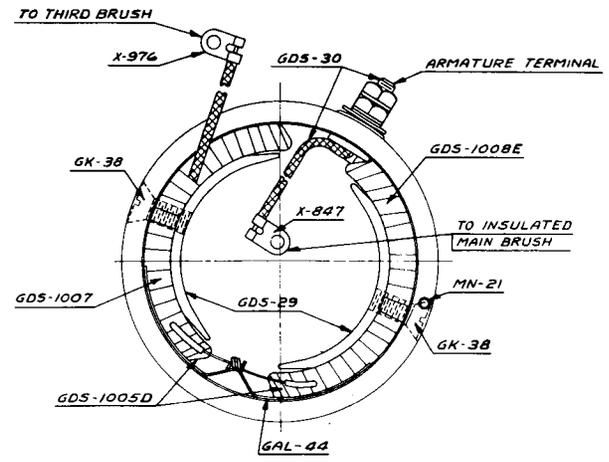
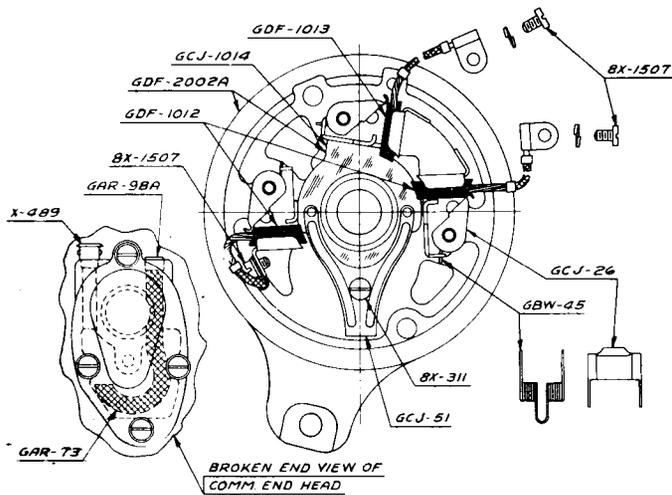
† Service BRUSH SET GDF-2012S.

UNIT	APPLICATION
GEP-4801	Service Gen.

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."



GEP-4801 GENERATOR ILLUSTRATION

# ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GER-4801 GENERATOR PARTS LIST

GER-4801

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part				
		1	2	3	4	5
(GEC-2001)	1	Frame & Field Assy.				
GAA-32	1	Term. Post Top Ins.				
GAL-44	1	Field Connection Ins.				
GBW-34	1	Insulating Washer				
GCT-25	1	Insulating Bushing				
GCY-25	1	Insulating Bushing				
GDS-30	1	Lead Assembly				
GAA-27	1	Terminal Post				
X-847	1	Terminal				
GDZ-29	2	Pole Piece				
GEA-34	1	Term. Post Bottom Ins.				
GEC-1005	1	FIELD COIL ASSY.-Comp.				
GBW-58	1	Terminal Post				
GDZ-1008	1	Field Coil-Right				
GEC-1007	1	Field Coil Assy.-Left				
X-976	1	Terminal				
GK-38	2	Pole Piece Screw				
MN-21	2	Dowel Pin				
5X-177	1	#14-24 Hex. Nut				
X-193	1	#14 Lock Washer				
X-196	1	#10 Lock Washer				
8X-349	1	#10 Plain Washer				
8X-361	1	1/4 Plain Washer				
5X-1377	1	#10-32 Hex. Nut				
GY-20A	2	Frame Screw				
5X-177	1	#14-24 Hex. Nut				
X-193	1	#14 Lock Washer				
X-196	2	#10 Lock Washer				
X-199	2	1/4 Lock Washer				
8X-321	1	#10-32x5/16 Rd. Hd. Sc.				
5X-1377	1	#10-32 Hex. Nut				

Comm. End Plate Assembly & Parts Used With

(GEC-2084)	1	Comm. End Plate Assy.				
GAR-73	1	Oil Wick				
GAR-98A	1	Wick Cover				
GBW-30B	1	Comm. End Cap Cover				
GBW-31	1	Gasket				
GBW-72	1	Oil Guard				
GBW-73	1	Oil Retaining Gasket				
GCJ-51	1	3rd Brush Plate Retaining Spring				
GCJ-1014	1	3rd Brush Plate Assy.				
GBW-45	1	Brush Spring				
GCJ-26	1	Brush Arm				
GCJ-1084A	1	C.E. Plate Part Assy.				
GBF-79	1	ABSORBENT BRONZE BRG.				
GBW-45	2	Brush Spring				
GCJ-26	2	Brush Arm				
GDF-1012†	2	Brush - Main				
GEC-1013†	1	Brush - Third				
X-195	5	#8 Lock Washer				
8X-311	1	#10-32x3/8 Rd. Hd. Sc.				
X-489	1	1/4 Oiler-Press in Type				
8X-888	4	#8-32x5/16 Fill. Hd. Sc.				
8X-1507	1	#8-32x1/4 Bdg. Hd. Sc.				
X-195	2	#8 Lock Washer				
8X-1507	2	#8-32x1/4 Bdg. Hd. Screw				
		1	2	3	4	5

Armature Assembly & Parts Used With

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

Drive End Head Assembly & Parts Used With

GBJ-1065	1	Drive End Head Assy.				
GAR-63	2	Felt Guard				
GAR-64	2	Bearing Retainer				
GBJ-65	1	Drive End Head				
GG-164	2	Felt Washer				
8X-173	3	#10-32 Hex. Nut				
X-196	3	#10 Lock Washer				
X-295	1	BALL BRG. - S.A.E. #203				
X-489	1	1/4 Oiler-Press in Type				
8X-1003	3	#10-32x7/8 Rd. Hd. Sc.				

Miscellaneous Parts

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

(Issued 7-10-40)

† Service BRUSH SET GDF-2012CS.

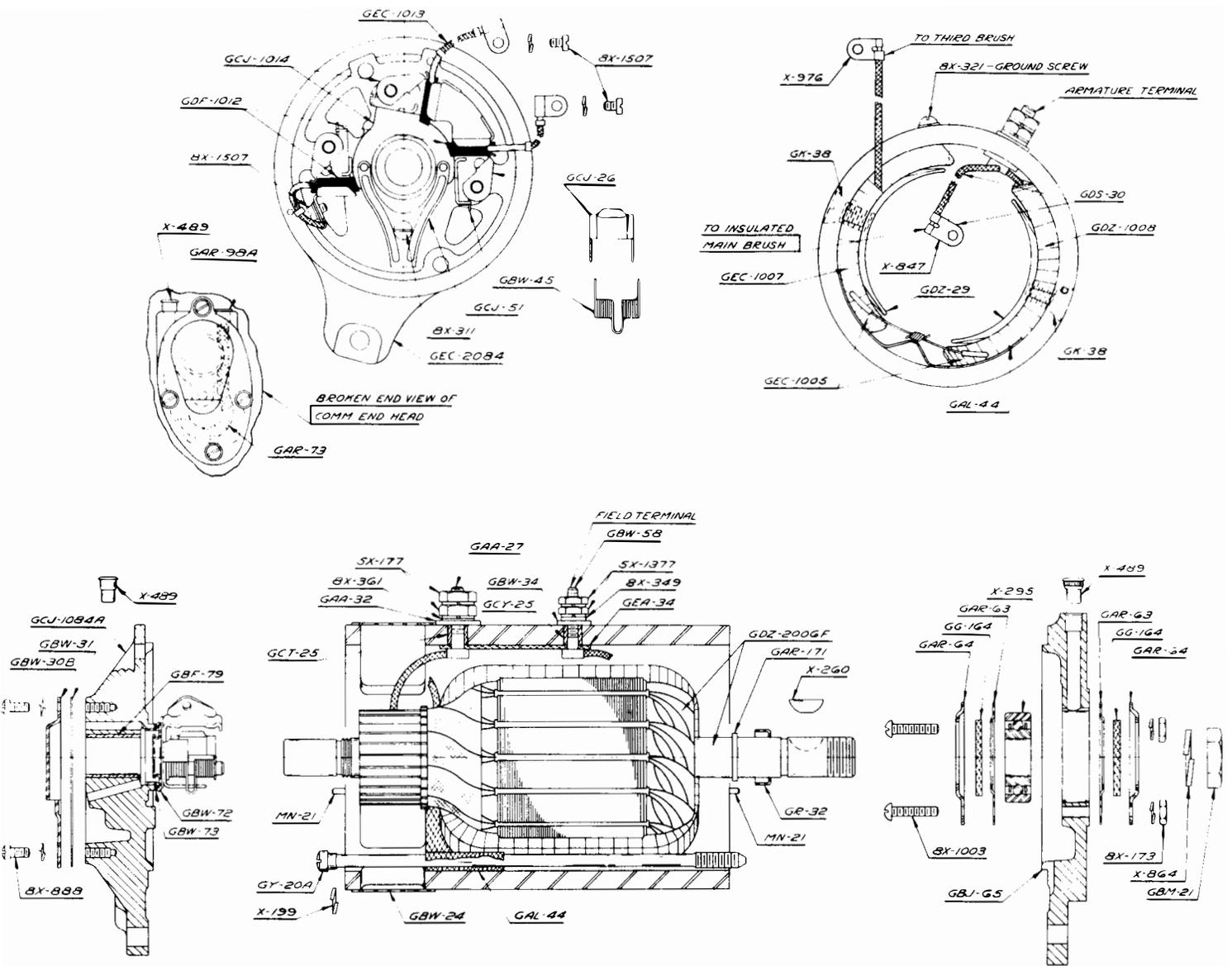
UNIT	APPLICATION
GER-4801	Service Gen.

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."

GER-4801 GENERATOR ILLUSTRATION



# ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GES-4801 GENERATOR PARTS LIST

GES-4801

## Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part					
			1	2	3	4	5
(GEA-2001A)	1	Frame & Field Assy.					
GAA-32	1	Term. Post Top Ins.					
GAL-44	1	Field Connection Ins.					
GEW-34	1	Insulating Washer					
GCT-25	1	Insulating Bushing					
GCY-25	1	Insulating Bushing					
GEA-29	2	Pole Piece					
GEA-34	1	Term. Post Bottom Ins.					
GEA-1005	1	FIELD COIL ASSY.-Comp.					
GEW-58	1	Terminal Post					
GEA-27	1	Terminal Post					
GEA-30	1	Lead Assembly					
X-847	1	Terminal					
GEA-1007	1	Field Coil-Left					
GEA-1008	1	Field Coil-Right					
GK-38	2	Pole Piece Screw					
MN-21	2	Dowel Pin					
5X-177	1	#14-24 Hex. Nut					
X-193	1	#14 Lock Washer					
X-196	1	#10 Lock Washer					
8X-349	1	#10 Plain Washer					
8X-361	1	1/4 Plain Washer					
5X-1377	1	#10-32 Hex. Nut					
GY-20	2	Frame Screw					
5X-177	1	#14-24 Hex. Nut					
X-193	1	#14 Lock Washer					
X-196	2	#10 Lock Washer					
X-199	2	1/4 Lock Washer					
8X-321	1	#10-32x5/16 Rd. Hd. Sc.					
5X-1377	1	#10-32 Hex. Nut					

## Comm. End Plate Assembly & Parts Used With

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

## Armature Assembly & Parts Used With

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

## Drive End Head Assembly & Parts Used With

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

## Miscellaneous Parts

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

(Issued 7-10-40)

† Service BRUSH SET GEW-2012AS.

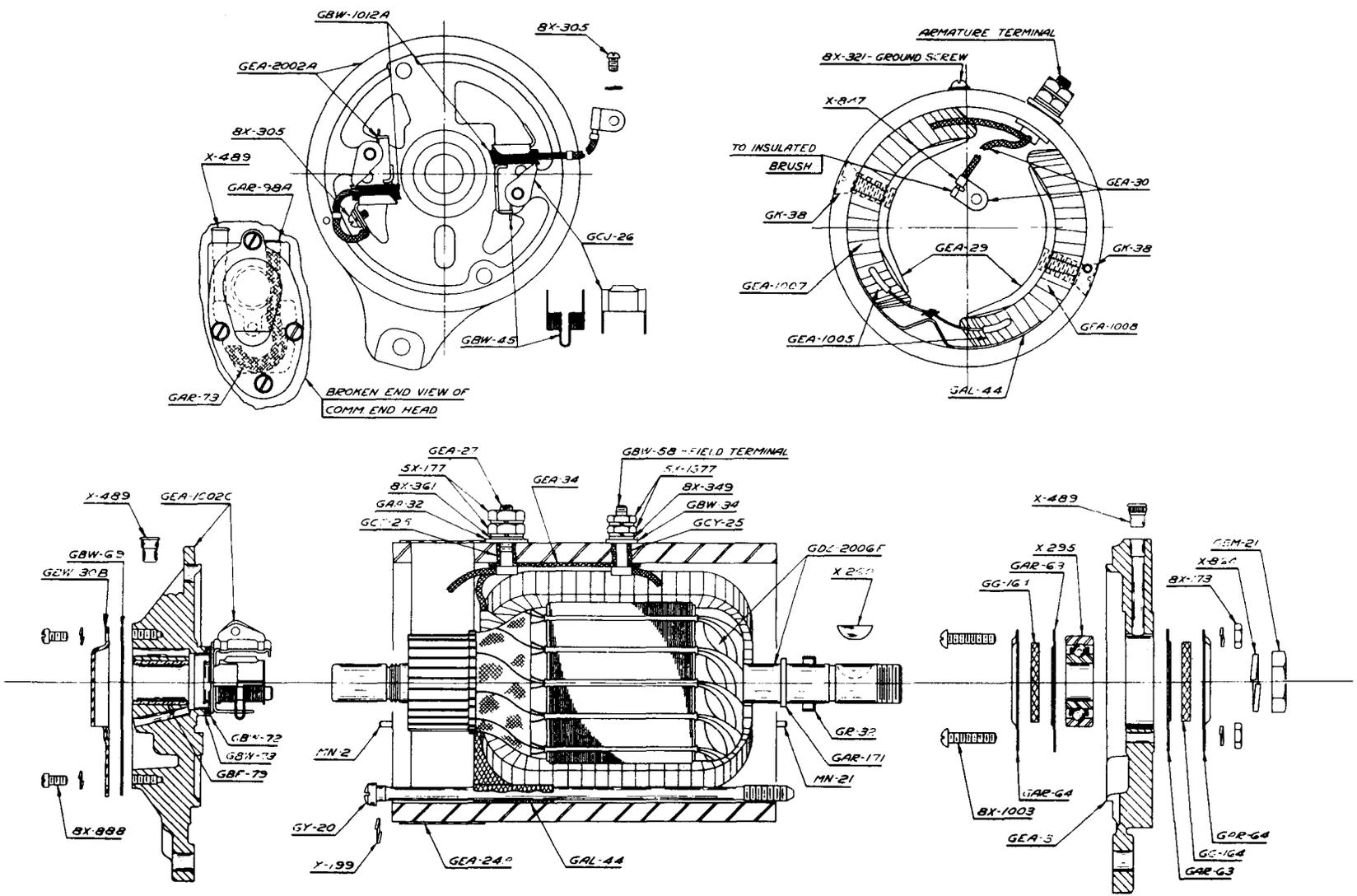
UNIT	APPLICATION
GES-4801	Service Gen.

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."

GES-4801 GENERATOR ILLUSTRATION



# ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GET-4501 GENERATOR PARTS LIST

GET-4501

PRELIMINARY

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part					
			1	2	3	4	5
GCO-20	2	Frame Screw					
(GET-3001)	1	Frame & Field Assembly					
GAA-30	1	Terminal Post Bottom Ins.					
GAA-32	1	Terminal Post Bottom Ins.					
GAL-44	1	Field Connection Ins.					
GCT-25	1	Insulating Bushing					
GEE-23	1	Lead Assembly					
GAA-27	1	Terminal Post					
X-947	1	Terminal					
GET-29	2	Pole Piece					
GET-2005	1	FIELD COIL ASSY.- Comp.					
GAA-27	1	Terminal Post					
GET-1007	1	Field Coil Assy.-Right					
X-946	1	Terminal					
GET-1008	1	Field Coil - Left					
GK-38	2	Pole Piece Screw					
MN-21	2	Dowel Pin					
8X-177	2	#14-24 Hex. Nut					
12X-193	2	#14 Lock Washer					
8X-361	1	1/4 Plain Washer					
8X-177	2	#14-24 Hex. Nut					
X-193	2	#14 Lock Washer					
X-199	2	1/4 Lock Washer					

Comm. End Plate Assembly & Parts Used With

GEE-27	1	End Cap Cover Gasket					
GEE-28	1	Comm. End Cap Cover					
(GET-3002)	1	Comm. End Plate Assembly					
GAL-199	2	Brush Screw Block					
GAL-205	2	3rd Brush Plate Retaining Spring					
GAL-242	2	Brush Holder					
GCX-19	2	Brush Spring					
GDU-30	1	Lead Assembly					
X-958	2	Terminal					
GED-12†	2	Brush - Main					
GET-1002	1	C. E. Plate Part Assy.					
GET-2213	1	3rd Brush Holder Plate Assembly					
GAL-199	1	Brush Screw Block					
GAL-242	1	Brush Holder					
GAR-1213	1	3rd Brush Holder Plate Part Assembly					
GCX-19	1	Brush Spring					
GED-13†	1	Brush - Third					
8X-59	1	#8-32x3/16 Rd. Hd. Sc.					
X-1276	1	#8 Skpf. Washer					
8X-1505	1	#8-32x9/16 Bdg. Hd.Sc.					
8X-59	2	#8-32x3/16 Rd. Hd. Screw					
8X-63	2	#8-32x3/8 Flat Hd. Sc.					
X-195	2	#8 Lock Washer					
8X-304	1	#8-32x5/16 Rd. Hd. Screw					
X-1276	1	#8 Skpf. Washer					
8X-1505	2	#8-32x9/16 Bdg. Hd. Sc.					
GG-60	1	Spacer					
8X-62	3	#10-32x3/8 Flat Hd. Screw					
X-1501	1	BALL BEARING - Oil Seal					
			1	2	3	4	5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part					
			1	2	3	4	5
GBM-21	1	Armature Shaft Nut					
GET-2006	1	ARMATURE ASSEMBLY					
GAR-171	2	Snap Ring					
X-260	1	#5 Woodruff Key					
X-864	1	.669 Lock Washer					

Drive End Head Assembly & Parts Used With

GEE-25	1	Noise Eliminator					
GET-3	1	End Head					
X-1501	1	BALL BEARING - Oil Seal					

Miscellaneous Parts

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

(Issued 5-20-41)

† SERVICE BRUSH SET GED-1012S.

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

UNIT	APPLICATION
GET-4501	Wincharger Corp.

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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

GET-4502 GENERATOR PARTS LIST

GET-4502

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
DK-23B	2	Frame Screw					GBM-21	1	Armature Shaft Nut				
(GET-2031)	1	Frame & Field Assembly					GCX-23	1	Armature Shaft Spacer				
GAA-30	1	Terminal Post Bottom Ins.					GET-2032	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				
GCT-25	1	Insulating Bushing					X-864	1	.669 Lock Washer				
GDU-31	1	Lead Assembly					<u>Drive End Head Assembly &amp; Parts Used With</u>						
GAA-27	1	Terminal Post					GET-1034	1	Drive End Head Assembly				
X-947	1	Terminal					GET-34	1	Drive End Head				
GET-29	2	Pole Piece					GG-6	2	Bearing Retainer				
GET-1005	1	FIELD COIL ASSY.- Comp.					8X-173	3	#10-32 Hex. Nut				
GET-1007	1	Field Coil Assy.-Right					X-196	3	#10 Lock Washer				
X-946	1	Terminal					8X-316	3	#10-32x3/4 Rd. Hd. Sc.				
GET-1008A	1	Field Coil Assy.-Left					X-1501	1	BALL BRG.- Oil Seal				
X-959	1	Terminal					<u>Miscellaneous Parts</u>						
GK-38	2	Pole Piece Screw					GET-24A	1	Head Band				
MN-21	2	Dowel Pin					8X-715	1	#10-32x1 1/4 Rd. Hd. Sc.				
8X-140	1	#6-32 Hex. Nut					8X-794	1	#10-32 Square Nut				
8X-177	1	#14-24 Hex. Nut							1	2	3	4	5
X-193	1	#14 Lock Washer					(Issued 7-1-41)						
X-194	1	#6 Lock Washer											
8X-361	1	1/4 Plain Washer											
8X-1008	1	#6-32x9/16 Rd. Hd. Screw											
8X-177	1	#14-24 Hex. Nut											
X-193	1	#14 Lock Washer											
X-196	1	#10 Lock Washer											
X-203	2	5/16 Lock Washer											
8X-321	1	#10-32x5/16 Rd. Hd. Screw											
<u>Comm. End Plate Assembly &amp; Parts Used With</u>													
GCX-39	1	Ground Spring											
(GET-2033)	1	Comm. End Plate Assembly											
GAL-199	2	Brush Screw Block											
GAL-205	2	3rd Brush Plate Retaining Spring											
GAL-242	2	Brush Holder											
GCX-19	2	Brush Spring											
GDU-30	1	Lead Assembly											
X-958	2	Terminal											
GED-12†	2	Brush - Main											
GET-1033	1	C. E. Plate Part Assembly											
GET-2037	1	3rd Brush Holder Plate Assembly											
GAL-199	1	Brush Screw Block											
GAL-242	1	Brush Holder											
GCX-19	1	Brush Spring											
GCX-1037	1	3rd Br. Plate Part Assembly											
GED-13†	1	Brush - Third											
8X-59	1	#8-32x3/16 Rd. Hd. Sc.											
X-1276	1	#8 Skpf. Lock Washer											
8X-1505	1	#8-32x9/16 Bdg. Hd.Sc.											
8X-59	2	#8-32x3/16 Rd. Hd. Screw											
8X-63	2	#8-32x3/8 Flat Hd. Screw											
X-195	2	#8 Lock Washer											
8X-304	1	#8-32x5/16 Rd. Hd. Screw											
X-1276	1	#8 Skpf. Washer											
8X-1505	2	#8-32x9/16 Bdg. Hd. Sc.											
X-1502	1	BALL BEARING - Oil Seal											
		1	2	3	4	5							

† SERVICE BRUSH SET GED-1012S.

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

UNIT	APPLICATION
GET-4502	Parris Dunn

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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

GET-4503 GENERATOR PARTS LIST

GET-4503

PRELIMINARY

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part				
		1	2	3	4	5
GCO-20	2					Frame Screw
(GET-3001)	1					Frame & Field Assembly
GAA-30	1					Terminal Post Bottom Ins.
GAA-32	1					Terminal Post Top Ins.
GAL-44	1					Field Connection Ins.
GCT-25	1					Insulating Bushing
GEE-23	1					Lead Assembly
GAA-27	1					Terminal Post
X-947	1					Terminal
GET-29	2					Pole Piece
GET-2005	1					FIELD COIL ASSY.- Comp.
GAA-27	1					Terminal Post
GET-1007	1					Field Coil Assy.-Right
X-946	1					Terminal
GET-1008	1					Field Coil - Left
GK-38	2					Pole Piece Screw
MN-21	2					Dowel Pin
8X-177	2					#14-24 Hex. Nut
12X-193	2					#14 Lock Washer
8X-361	1					1/4 Plain Washer
8X-177	2					#14-24 Hex. Nut
X-193	2					#14 Lock Washer
X-199	2					1/4 Lock Washer

Comm. End Plate Assembly & Parts Used With

GEE-27	1	End Cap Cover Gasket
GEE-28	1	Comm. End Cap Cover
(GET-3002)	1	Comm. End Plate Assembly
GAL-199	2	Brush Screw Block
GAL-205	2	3rd Brush Plate Retaining Spring
GAL-242	2	Brush Holder
GCX-19	2	Brush Spring
GDU-30	1	Lead Assembly
X-958	2	Terminal
GED-121	2	Brush - Main
GET-1002	1	C. E. Plate Part Assy.
GET-2213	1	3rd Brush Holder Plate Assy.
GAL-199	1	Brush Screw Block
GAL-242	1	Brush Holder
GAR-1213	1	3rd Brush Holder Plate Part Assembly
GCX-19	1	Brush Spring
GED-131	1	Brush - Third
8X-59	1	#8-32x3/16 Rd. Hd. Sc.
X-1276	1	#8 Skpf. Washer
8X-1505	1	#8-32x9/16 Bdg. Hd. Sc.
8X-59	2	#8-32x3/16 Rd. Hd. Screw
8X-63	2	#8-32x3/8 Flat Hd. Screw
X-195	2	#8 Lock Washer
8X-304	1	#8-32x5/16 Rd. Hd. Screw
X-1276	1	#8 Skpf. Washer
8X-1505	2	#8-32x9/16 Bdg. Hd. Screw
GG-60	1	Spacer
8X-62	3	#10-32x3/8 Flat Hd. Screw
X-1501	1	BALL BEARING - Oil Seal
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part				
		1	2	3	4	5
GBM-21	1					Armature Shaft Nut
GET-2035	1					ARMATURE ASSEMBLY
GAR-171	1					Snap Ring
X-260	1					#5 Woodruff Key
X-864	1					.669 Lock Washer

Drive End Head & Parts Used With

GEE-30	1	Noise Eliminator
GET-36	1	End Head
X-1502	1	BALL BEARING - Oil Seal

Miscellaneous Parts

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

(Issued 10-2-41)

† SERVICE BRUSH SET GED-1012S.

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

UNIT	APPLICATION
GET-4503	Wincharger Corp.

Printed in U. S. A.

File in  
Equipment & Parts List Binder

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



# ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GEW-4801 GENERATOR PARTS LIST

GEW-4801

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part				
		1	2	3	4	5
GBD-20A	2					Frame Screw
(GEB-3036)	1					Frame & Field Assy.
GAA-32	1					Term. Post Top Ins.
GAL-44	1					Field Connection Ins.
GBW-34	1					Insulating Washer
GBW-66	1					Term. Post Bottom Ins.
GBW-67	1					Term. Post Bottom Ins.
GBY-38	2					Pole Piece Screw
GC-26	1					Insulating Washer
GDD-25	1					Insulating Bushing
GDD-26	1					Insulating Bushing
GEB-29	2					Pole Piece
GEB-2005	1					FIELD COIL ASSY.-Comp.
GEA-30	1					Lead Assembly
X-847	1					Terminal
GEB-27	1					Terminal Post
GEB-58	1					Terminal Post
GEB-1007A	1					Field Coil - Left
GEB-1008A	1					Field Coil - Right
MN-21	2					Dowel Pin
5X-177	1					#14-24 Hex. Nut
X-193	1					#14 Lock Washer
X-196	1					#10 Lock Washer
5X-349	1					#10 Plain Washer
5X-361	1					1/4 Plain Washer
5X-1377	1					#10-32 Hex. Nut
8X-177	1					#14-24 Hex. Nut
X-193	1					#14 Lock Washer
X-196	2					#10 Lock Washer
X-203	2					5/16 Lock Washer
8X-321	1					#10-32x5/16 Rd. Hd. Sc.
8X-1377	1					#10-32 Hex. Nut

Comm. End Plate Assembly & Parts Used With

DA-39	2					Flat Oil Guard
DA-132	1					Felt Washer
DH-7	1					Felt Washer
GAR-83	1					Comm. End Cap Cover
GBJ-25	1					End Cap Cover Gasket
GCE-55	1					Air Deflector
GCE-3080	1					Comm. End Plate Assy.
GCE-53	2					Brush Spring
GCE-54	2					Brush Arm
GCE-1012†	2					Brush - Main
X-195	1					#8 Lock Washer
8X-305	1					#8-32x1/4 Rd. Hd. Sc.
8X-62	6					#10-32x3/8 Flat Hd. Screw
X-195	1					#8 Lock Washer
X-295	1					BALL BRG. - S.A.E. #203
8X-305	1					#8-32x1/4 Rd. Hd. Screw
X-489	1					1/4 Oiler-Press in Type
		1	2	3	4	5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part				
		1	2	3	4	5
DG-1144	1					Oil Thrower
GEM-21	1					Armature Shaft Nut
GEH-2054F	1					ARMATURE ASSEMBLY
SP-230	1					Ventilating Fan
X-157	1					1/2-20 Slotted Nut
X-258	1					#3 Woodruff Key
X-263	1					#2 Woodruff Key
X-358	1					1/2 Plain Steel Washer
X-404	1					3/32x1 Cotter Pin
X-864	1					.669 Lock Washer

Drive End Head Assembly & Parts Used With

GCE-1109	1					Drive End Head Assy.
GAE-47	1					Bearing Retainer
GCE-109	1					Drive End Head
8X-66	3					#10-32x1/2 Flat Hd. Sc.
X-298	1					BALL BRG. - S.A.E. #204
X-489	1					1/4 Oiler - Press in Type

Miscellaneous Parts

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

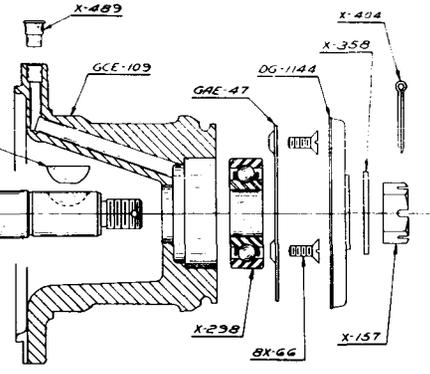
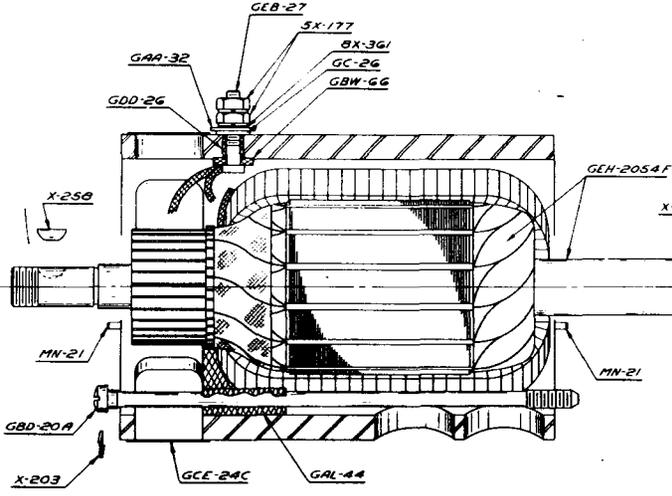
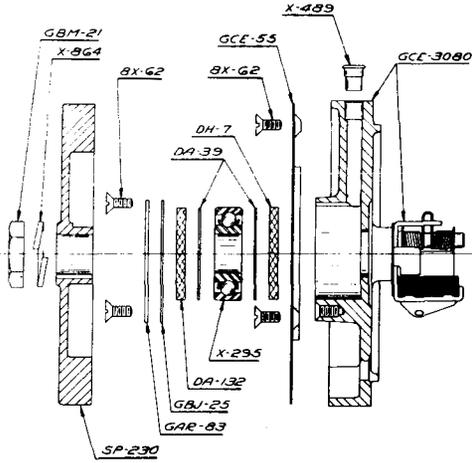
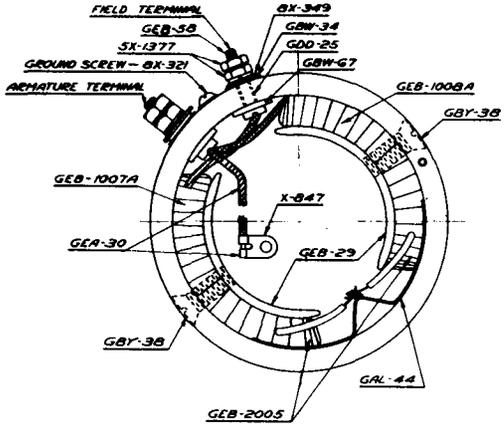
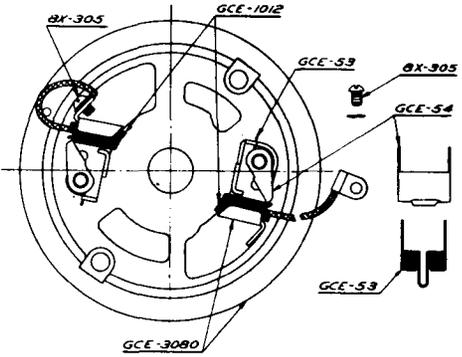
(Issued 2-28-41)

† Service BRUSH SET GCE-2012S.

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

UNIT	APPLICATION
GEW-4801	Autocar

GEW-4801 GENERATOR ILLUSTRATION



# ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GEW-4802 GENERATOR PARTS LIST

GEW-4802

## Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part				
		1	2	3	4	5
GBD-20A	2					Frame Screw
(GEB-2047)	1					Frame & Field Assy.
GAA-32	1					Term. Post Top Ins.
GAL-44	1					Field Connection Ins.
GBW-34	1					Insulating Washer
GBW-66	1					Term. Post Bottom Ins.
GBW-67	1					Term. Post Bottom Ins.
GBY-38	2					Pole Piece Screw
GC-26	1					Insulating Washer
GDD-25	1					Insulating Bushing
GDD-26	1					Insulating Bushing
GEB-29	2					Pole Piece
GEB-44	1					Lead Assembly
GEB-45	1					Terminal Post
X-847	1					Terminal
GEB-1005A	1					FIELD COIL ASSY.-Comp.
GEB-58	1					Terminal Post
GEB-1007A	1					Field Coil - Left
GEB-1008B	1					Field Coil Assy.-Right
X-959	1					Terminal
MN-21	2					Dowel Pin
SX-140	1					#6-32 Hex. Nut
SX-177	1					#14-24 Hex. Nut
X-193	1					#14 Lock Washer
X-194	1					#6 Lock Washer
X-196	1					#10 Lock Washer
SX-349	1					#10 Plain Washer
SX-361	1					1/4 Plain Washer
SX-1377	1					#10-32 Hex. Nut
SX-1420	1					#6-32x9/16 Flat Hd. Screw
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. Sc.
SX-1377	1					#10-32 Hex. Nut

## Comm. End Plate Assembly & Parts Used With

DA-39	2					Flat Oil Guard
DA-132	1					Felt Washer
DH-7	1					Felt Washer
GAR-83	1					Comm. End Cap Cover
GBJ-25	1					End Cap Cover Gasket
GCE-55	1					Air Deflector
GCE-2050	1					Comm. End Plate Assy.
GCE-53	2					Brush Spring
GCE-54	2					Brush Arm
GCE-1012†	2					Brush - Main
X-195	1					#8 Lock Washer
SX-305	1					#8-32x1/4 Rd. Hd. Sc.
SX-62	6					#10-32x3/8 Flat Hd. Screw
X-195	1					#8 Lock Washer
X-295	1					BALL BPG. - S.A.E. #203
SX-305	1					#8-32x1/4 Rd. Hd. Screw
X-489	1					1/4 Oiler-Press in Type
		1	2	3	4	5

## Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part				
		1	2	3	4	5
DG-1144	1					Oil Thrower
GEM-21	1					Armature Shaft Nut
GEH-2054F	1					ARMATUPE ASSEMBLY
SP-230	1					Ventilating Fan
X-157	1					1/2-20 Slotted Nut
X-258	1					#3 Woodruff Key
X-263	1					#8 Woodruff Key
X-358	1					1/2 Plain Steel Washer
X-404	1					3/32x1 Cotter Pin
X-864	1					.669 Lock Washer

## Drive End Head Assembly & Parts Used With

GCE-1057	1					Drive End Head Assy.
GAE-47	1					Bearing Retainer
GCE-57	1					Drive End Head
SX-66	3					#10-32x1/2 Flat Hd. Sc.
X-298	1					BALL BPG. - S.A.E. #204
X-489	1					1/4 Oiler-Press in Type

## Miscellaneous Parts

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

(Issued 2-28-41)

† Service BRUSH SET GCE-2012S.

NOTE:- VRY-4201A CUPRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

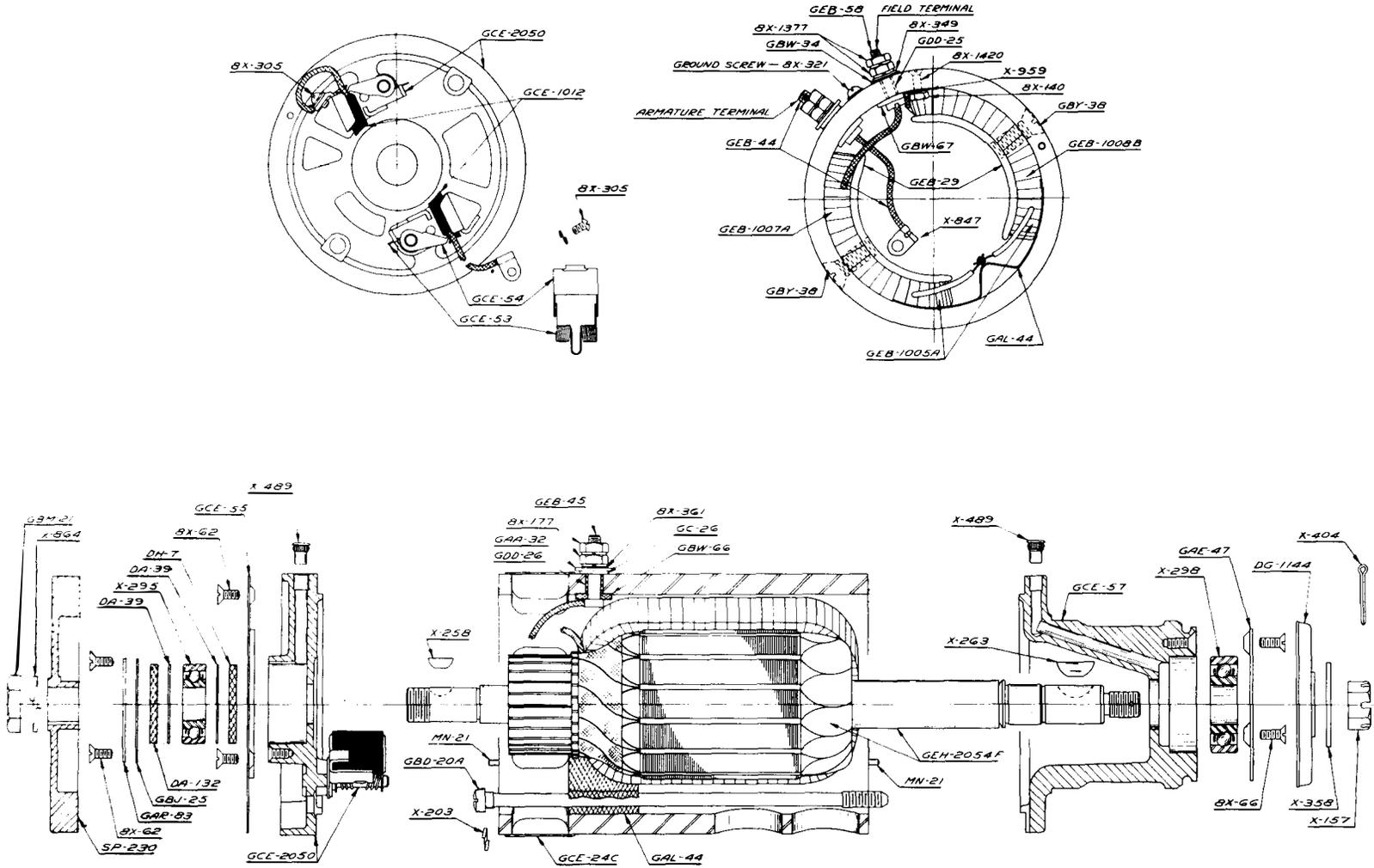
UNIT	APPLICATION
GEW-4802	Diamond T

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

GEW-4802 GENERATOR ILLUSTRATION



# ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GEW-4803,A GENERATOR PARTS LIST

GEW-4803,A

<u>Frame &amp; Field Assembly &amp; Parts Used With</u>				
Part No.	No. Used	Name of Part		
		1	2	3 4 5
DK-23	2	Bolt, Thru		
(GEB-2071A)	1	Frame & Field Assy.		
GAL-44	1	Insulation, Field Connection		
GBW-34	1	Washer, Ins., Field Term., Outer		
GBW-66	1	Insulation, Arm. Term., Inner		
GBW-67	1	Insulation, Field Term., Inner		
GBY-38A	2	Screw, Pole Shoe		
GC-26	1	Washer, Ins., Arm. Term., Outer		
GCT-25	1	Bushing, Ins., Arm. Term.		
GCY-25	1	Bushing, Ins., Field Term.		
GEB-44	1	Lead Assembly		
GEB-27	1	Stud, Arm. Term., #14-24		
X-975	1	Terminal		
GEB-1005A	1	Coil Assy., Field, Comp.		
GEB-58	1	Stud, Field Term., #10-32		
GEB-1007A	1	Coil, Field, Left		
GEB-1008B	1	Coil Assy., Field, Right		
X-959	1	Terminal		
MAK-49	1	Washer, Ins., Arm. Term., Outer		
MN-21	2	Pin, Dowel, End Hd. Locating		
8X-140	1	Nut, Field Ground, #6-32		
8X-177	2	Nut, Arm. Term., #14-24		
12X-193	2	Lock Washer, Arm. Term., #14		
12X-194	1	Lock Washer, Field Ground, #6		
12X-196	2	Lock Washer, Field Term., #10		
8X-349	1	Washer, Plain, Field Term., #10		
8X-361	1	Washer, Plain, Arm. Term., 1/4		
8X-1377	2	Nut, Field Term., #10-32		
8X-1420	1	Screw, Field Ground, Flat Hd., #6-32x9/16		
12X-196	1	Lock Washer, Ground Sc., #10		
8X-321	1	Screw, Ground, Rd. Hd., #10-32x5/16		
12X-1014	2	Lock Washer, Thru Bolt, 5/16		
<u>Comm. End Head Assembly &amp; Parts Used With</u>				
DA-22	1	Washer, Bearing Retaining		
DA-39	1	Washer, Plain, Felt Retaining		
DA-60	1	Screw, Bearing Retaining		
DH-7	1	Washer, Felt, C.E., Inner		
GBJ-25	1	Gasket, C.E. Cover		
GBJ-32A	1	Cover, Comm. End		
GCE-2002	1	Head Assy., Comm. End		
GCE-53	2	Spring, Brush		
GCE-54	2	Arm, Brush		
GCE-1012†	2	Brush		
X-195	2	Lock Washer, Brush Lead, #8		
12X-196	3	Lock Washer, Cover Screw, #10		
X-199	1	Lock Washer, Brg. Retaining Screw, 1/4		
		1	2	3 4 5

<u>Comm. End Head Assembly (Con't.)</u>				
Part No.	No. Used	Name of Part		
		1	2	3 4 5
X-295	1	Bearing, Ball, SAE #203		
8X-305	2	Screw, Brush Lead, Rd. Hd., #8-32x1/4		
X-489	1	Oiler, Hinge Top, Press in, 1/4		
8X-870	3	Screw, Cover Holding, Fil. Hd., #10-32x5/16		
<u>Armature Assembly &amp; Parts Used With</u>				
GBM-21	1	Nut, Armature Shaft		
GEH-2006F	1	Armature		
*	1	Pulley, Drive		
X-261	1	Key, Woodruff, #6		
X-864	1	Lock Washer, Arm. Shaft		
<u>Drive End Head Assembly &amp; Parts Used With</u>				
GEW-1003	1	Head Assy., Drive End		
GAU-31	1	Washer, Felt, Inner		
GEW-3	1	Head		
GG-6	1	Retainer, Bearing		
GK-176	1	Retainer, Felt, Inner		
GT-76	1	Retainer, Felt, Outer		
GT-78	1	Washer, Felt, Outer		
X-196	3	Lock Washer, Brg. Ret'g, #10		
X-295	1	Bearing, Ball, SAE #203		
8X-311	3	Screw, Brg. Retaining, Rd. Hd., #10-32x3/8		
X-489	1	Oiler, Press in Type, 1/4		
<u>Miscellaneous Parts</u>				
GCE-24	1	Band, Cover		
8X-715	1	Screw, Cover Band, Rd. Hd., #10-32x1 1/4		
8X-794	1	Nut, Cover Band, Square, #10-32		
		1	2	3 4 5
(Issued 5-11-45)				
		Assembly No.	Pulley	
		GEW-4803	None	
		GEW-4803A	SP-431	

† Brush Set, Service GCE-2012S.

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

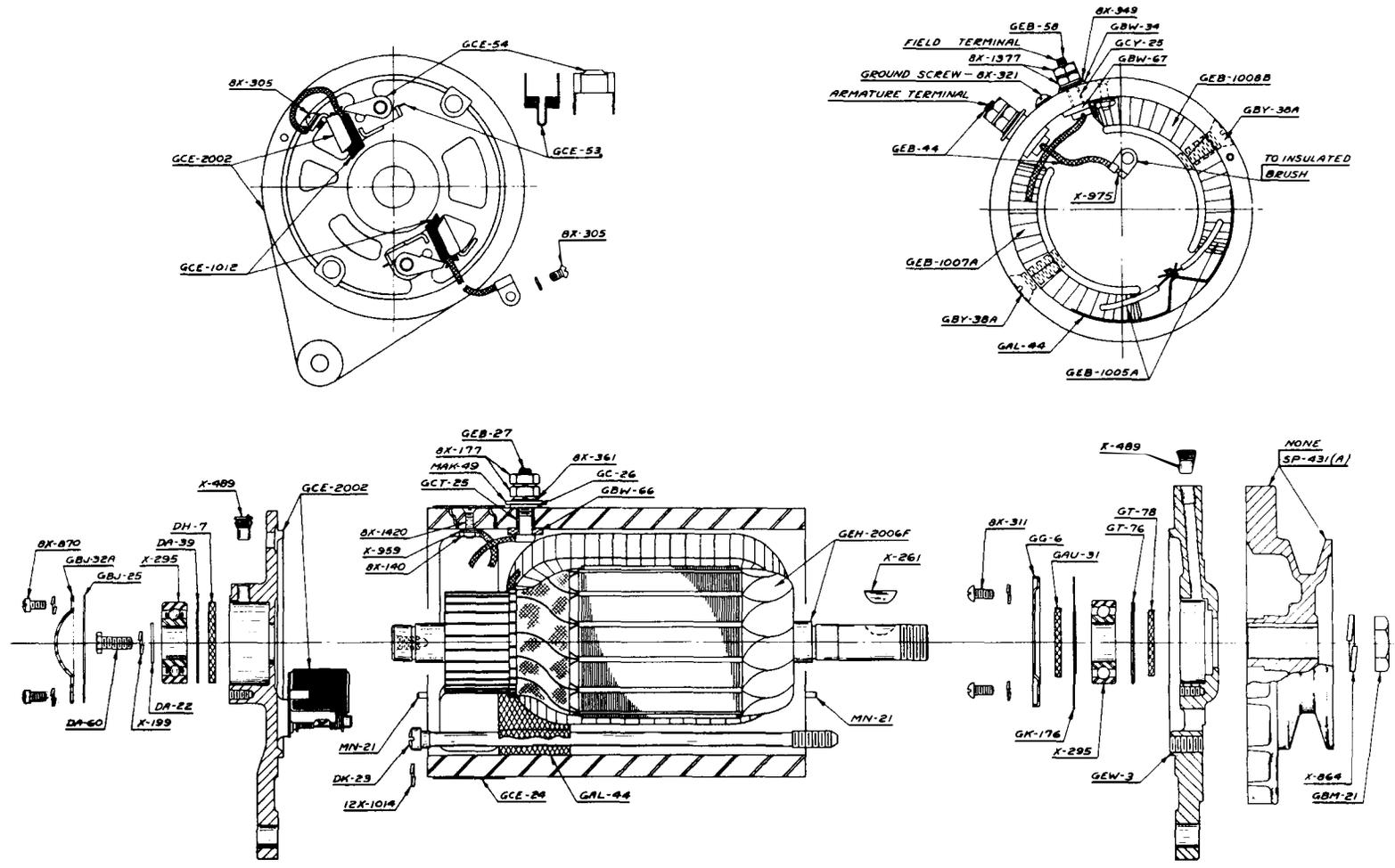
NOTE:- VRY-4202A Current-Voltage Regulator is used with but is not a part of this generator.

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

GEW-4803, A GENERATOR ILLUSTRATION



# ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GEW-4804 GENERATOR PARTS LIST

GEW-4804

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part				
		1	2	3	4	5
DK-23A	2					
(GEB-2031)	1					
GAA-32	1					
GAL-44	1					
GBW-34	1					
GBW-66	1					
GBW-67	1					
GBY-38	2					
GC-26	1					
GDD-25	1					
GDD-26	1					
GEB-29	2					
GEB-1005	1					
GEA-30	1					
X-847	1					
GEB-27	1					
GEB-58	1					
GEB-1007	1					
GEB-1008	1					
MN-21	2					
5X-177	1					
X-193	1					
X-196	1					
8X-349	1					
8X-361	1					
5X-1377	1					
5X-177	1					
X-193	1					
X-196	2					
X-203	2					
8X-321	1					
5X-1377	1					

Comm. End Plate Assembly & Parts Used With

DA-39	2					
DA-132	1					
DH-7	1					
GAR-83	1					
GBJ-25	1					
GCE-55	1					
GCE-2050	1					
GCE-53	2					
GCE-54	2					
GCE-1012†	2					
X-195	1					
8X-305	1					
8X-62	6					
X-195	1					
X-295	1					
8X-305	1					
X-489	1					

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part				
		1	2	3	4	5
GAR-1177	1					
GEM-21	1					
GEH-2090F	1					
GK-174	1					
SP-230	1					
X-156	1					
X-258	1					
X-263	1					
X-404	1					
X-864	1					

Drive End Head Assembly & Parts Used With

GCE-1091	1					
GAR-95	1					
GCE-91	1					
GX-9	1					
GX-10	1					
X-196	3					
8X-311	3					
X-378	1					

Miscellaneous Parts

GCE-24C	1					
X-715	1					
8X-794	1					

(Issued 2-28-41)

† Service BRUSH SET GCE-2012S.

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

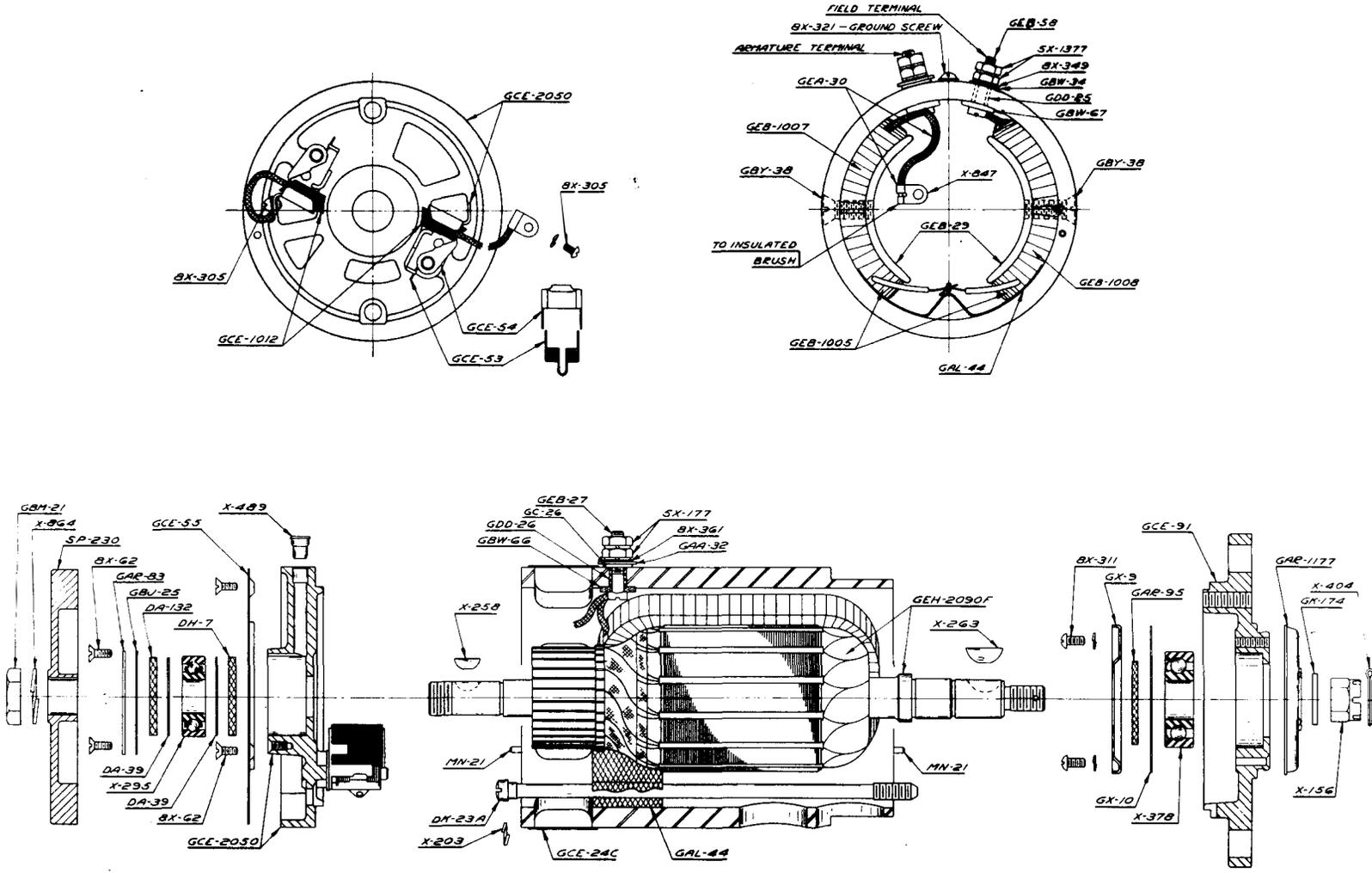
UNIT	APPLICATION
GEW-4804	Autocar

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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.”

GEW-4804 GENERATOR ILLUSTRATION



# ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GEW-4805 GENERATOR PARTS LIST

GEW-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
GBD-20A	2	Frame Screw					DG-1144	1	Oil Thrower				
(GEB-3051)	1	Frame & Field Assy.					GEM-21	1	Armature Shaft Nut				
GAA-32	1	Term. Post Top Ins.					GEH-2054F	1	ARMATURE ASSEMBLY				
GAL-44	1	Field Connection Ins.					SP-230	1	Ventilating Fan				
GBW-34	1	Insulating Washer					X-157	1	1/2-20 Slotted Nut				
GBW-66	1	Term. Post Bottom Ins.					X-258	1	#3 Woodruff Key				
GBW-67	1	Term. Post Bottom Ins.					X-263	1	#8 Woodruff Key				
GBY-38	2	Pole Piece Screw					X-358	1	1/2 Plain Steel Washer				
GC-26	1	Insulating Washer					X-404	1	3/32x1 Cotter Pin				
GDD-25	1	Insulating Bushing					X-864	1	.669 Lock Washer				
GDD-26	1	Insulating Bushing					<u>Drive End Head Assembly &amp; Parts Used With</u>						
GEB-29	2	Pole Piece					GCE-1109	1	Drive End Head Assy.				
GEB-44	1	Lead Assembly					GAE-47	1	Bearing Retainer				
GEB-45	1	Terminal Post					GCE-109	1	Drive End Head				
X-847	1	Terminal					SX-66	3	#10-32x1/2 Flat Hd. Sc.				
GEB-2005A	1	FIELD COIL ASSY.-Comp.					X-298	1	BALL BRG. - S.A.E. #204				
GEB-58	1	Terminal Post					X-489	1	1/4 Oiler-Press in Type				
GEB-1007B	1	Field Coil Assy.-Left					<u>Miscellaneous Parts</u>						
X-959	1	Terminal					GCE-24C	1	Head Band				
GEB-1008	1	Field Coil - Right					X-715	1	#10-32x1 1/4 Rd. Hd. Sc.				
MN-21	2	Dowel Pin					SX-794	1	#10-32 Square Nut				
SX-140	1	#6-32 Hex. Nut							1	2	3	4	5
SX-177	1	#14-24 Hex. Nut					(Issued 2-28-41)						
X-193	1	#14 Lock Washer											
X-194	1	#6 Lock Washer											
X-196	1	#10 Lock Washer											
SX-349	1	#10 Plain Washer											
SX-361	1	1/4 Plain Washer											
SX-1377	1	#10-32 Hex. Nut											
SX-1420	1	#6-32x9/16 Flat Hd. Sc.											
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 &amp; Parts Used With</u>													
DA-39	2	Flat Oil Guard											
DA-132	1	Felt Washer											
DH-7	1	Felt Washer											
GAR-83	1	Comm. End Cap Cover											
GBJ-25	1	End Cap Cover Gasket											
GCE-55	1	Air Deflector											
GCE-3080	1	Comm. End Plate Assy.											
GCE-53	2	Brush Spring											
GCE-54	2	Brush Arm											
GCE-1012†	2	Brush - Main											
X-195	1	#8 Lock Washer											
SX-305	1	#8-32x1/4 Rd. Hd. Sc.											
SX-62	6	#10-32x3/8 Flat Hd. Screw											
X-195	1	#8 Lock Washer											
X-295	1	BALL BRG. - S.A.E. #203											
SX-305	1	#8-32x1/4 Rd. Hd. Screw											
X-489	1	1/4 Oiler-Press in Type											
		1	2	3	4	5							

† Service BRUSH SET GCE-2012S.

NOTE:- VRY-4201A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

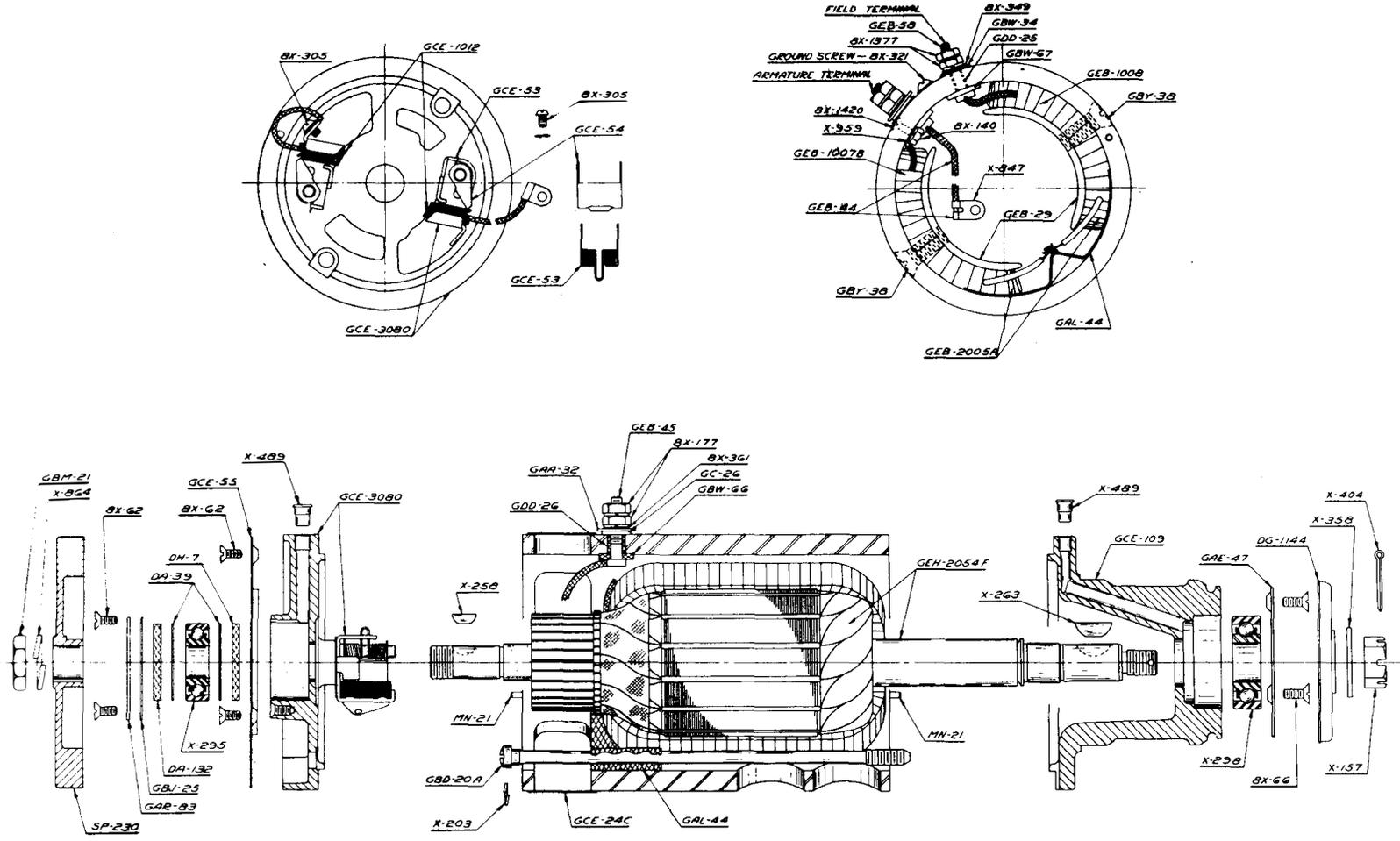
UNIT	APPLICATION
GEW-4805	Autocar

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."

GEW-4805 GENERATOR ILLUSTRATION



# ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GEW-4806,A,B,C GENERATOR PARTS LIST

GEW-4806,A,B,C

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
DK-23	2	Frame Screw					GEH-2120F	1	ARMATURE ASSEMBLY				
(GEB-2071A)	1	Frame & Field Assembly					GEW-31	1	1/2 Plain Washer				
GAA-32	1	Terminal Post Top Ins.					*	1	Drive Pulley				
GAL-44	1	Field Connection Ins.					X-156	1	1/2-20 Castellated Nut				
GBW-34	1	Insulating Washer					X-260	1	#5 Woodruff Key				
GBW-66	1	Terminal Post Bottom Ins.					X-404	1	3/32x1 Cotter Pin				
GBW-67	1	Terminal Post Bottom Ins.					<u>Drive End Head Assembly &amp; Parts Used With</u>						
GBY-38A	2	Pole Piece Screw					GCE-1119	1	Drive End Head Assembly				
GC-26	1	Insulating Washer					GAU-31	1	Felt Washer				
GCT-25	1	Insulating Bushing					GCE-119	1	Drive End Head				
GCY-25	1	Insulating Bushing					GG-6	1	Bearing Retainer				
GEB-29	2	Pole Piece					GK-176	1	Felt Washer Retainer				
GEB-44	1	Lead Assembly					GT-76	1	Felt Washer Retainer				
GEB-45	1	Terminal Post					GT-78	1	Felt Washer				
X-847	1	Terminal					X-196	3	#10 Lock Washer				
GEB-1005A	1	FIELD COIL ASSY.- Comp.					X-295	1	BALL BRG.- S.A.E. #203				
GEB-58	1	Terminal Post					8X-311	3	#10-32x3/8 Rd. Hd. Sc.				
GEB-1007A	1	Field Coil - Left					X-489	1	1/4 Oiler - Press in Type				
GEB-1008B	1	Field Coil Assy.-Right					<u>Miscellaneous Parts</u>						
X-959	1	Terminal					GCE-24	1	Head Band				
MN-21	2	Dowel Pin					8X-715	1	#10-32x1 1/4 Rd. Hd. Screw				
8X-140	1	#6-32 Hex. Nut					8X-794	1	#10-32 Square Nut				
8X-177	1	#14-24 Hex. Nut							1	2	3	4	5
12X-193	1	#14 Lock Washer					(Issued 10-2-41)						
12X-194	1	#6 Lock Washer					Assembly No.		Drive Pulley				
12X-196	1	#10 Lock Washer					GEW-4806		None				
8X-349	1	#10 Plain Washer					GEW-4806A		SP-444				
8X-361	1	1/4 Plain Washer					GEW-4806B		SP-470				
8X-1377	1	#10-32 Hex. Nut					GEW-4806C		SP-467				
8X-1420	1	#6-32x9/16 Flat Hd. Sc.											
8X-177	1	#14-24 Hex. Nut											
12X-193	1	#14 Lock Washer											
12X-196	2	#10 Lock Washer											
12X-203	2	5/16 Lock Washer											
8X-321	1	#10-32x5/16 Rd. Hd. Screw											
8X-1377	1	#10-32 Hex. Nut											
<u>Comm. End Plate Assembly &amp; 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-32A	1	Comm. End Cap Cover											
GCE-2118	1	Comm. End Plate Assembly											
GCE-53	2	Brush Spring											
GCE-54	2	Brush Arm											
GCE-1012†	2	Brush - Main											
X-195	1	#8 Lock Washer											
8X-305	1	#8-32x1/4 Rd. Hd. Screw											
X-195	1	#8 Lock Washer											
X-199	1	1/4 Lock Washer											
X-295	1	BALL BEARING - S.A.E. #203											
8X-305	1	#8-32x1/4 Rd. Hd. Screw											
X-489	1	1/4 Oiler - Press in Type											
12X-544	3	#10 Lock Washer											
8X-870	3	#10-32x5/16 Fill. Hd. Sc.											
		1	2	3	4	5							

† SERVICE BRUSH SET GCE-2012S.

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

NOTE:- VRY-4201A CURRENT-VOLTAGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GEW-4806	Dodge Truck
GEW-4806A	Studebaker Truck
GEW-4806B,C	Dodge Truck

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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

GEZ-4801 GENERATOR PARTS LIST

GEZ-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
GBD-20A	2	Frame Screw					GAR-1177	1	Oil Thrower Assy.				
(GEH-3036)	1	Frame & Field Assy.					GEM-21	1	Armature Shaft Nut				
GAA-32	1	Term. Post Top Ins.					GEZ-2087F	1	ARMATURE ASSEMBLY				
GAL-44	1	Field Connection Ins.					SP-230	1	Ventilating Fan				
GBW-34	1	Insulating Washer					X-157	1	1/2-20 Slotted Nut				
GBW-66	1	Term. Post Bottom Ins.					X-258	1	#3 Woodruff Key				
GBW-67	1	Term. Post Bottom Ins.					X-263	1	#8 Woodruff Key				
GBY-38	2	Pole Piece Screw					X-358	1	1/2 Plain Steel Washer				
GC-26	1	Insulating Washer					X-404	1	3/32x1 Cotter Pin				
GCT-25	1	Insulating Bushing					X-864	1	.669 Lock Washer				
GCT-25	1	Insulating Bushing					<u>Drive End Head Assembly &amp; Parts Used With</u>						
GEB-29	2	Pole Piece					GCE-1076	1	Drive End Head Assy.				
GEH-2005	1	FIELD COIL ASSY.-Comp.					GCE-76	1	Drive End Head				
GEA-30	1	Lead Assembly					GX-9	1	Bearing Retainer				
X-847	1	Terminal					GX-10	1	Gasket				
GEB-27	1	Terminal Post					X-196	3	#10 Lock Washer				
GEB-58	1	Terminal Post					8X-311	3	#10-32x3/8 Rd. Hd. Screw				
GEH-1007	1	Field Coil - Left					X-378	1	BALL BEARING - Oil Seal				
GEH-1008	1	Field Coil - Right					<u>Miscellaneous Parts</u>						
MN-21	2	Dowel Pin					GCE-24C	1	Head Band				
5X-177	1	#14-24 Hex. Nut					X-715	1	#10-32x1 1/4 Rd. Hd. Screw				
X-193	1	#14 Lock Washer					8X-794	1	#10-32 Square Nut				
X-196	1	#10 Lock Washer							1	2	3	4	5
8X-349	1	#10 Plain Washer					(Issued 12-3-41)						
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											
<u>Comm. End Head Assembly &amp; Parts Used With</u>													
DA-39	2	Flat Oil Guard											
DA-132	1	Felt Washer											
DH-7	1	Felt Washer											
GAR-83	1	Comm. End Cap Cover											
GBJ-25	1	End Cap Cover Gasket											
GCE-55	1	Air Deflector											
GCE-3080	1	Comm. End Head Assy.											
GCE-53	2	Brush Spring											
GCE-54	2	Brush Arm											
GCE-1012†	2	Brush - Main											
X-195	1	#8 Lock Washer											
8X-305	1	#8-32x1/4 Rd. Hd. Sc.											
8X-62	6	#10-32x3/8 Flat Hd. Sc.											
X-195	1	#8 Lock Washer											
X-295	1	BALL BRG. - S.A.E. #203											
8X-305	1	#8-32x1/4 Rd. Hd. Screw											
X-489	1	1/4 Oiler-Press in Type											
		1	2	3	4	5							

† Service BRUSH SET GCE-2012S.

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

UNIT	APPLICATION
GEZ-4801	Climax

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File in  
Equipment & Parts List Binder

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



# ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GFA-4801,A GENERATOR PARTS LIST

GFA-4801,A

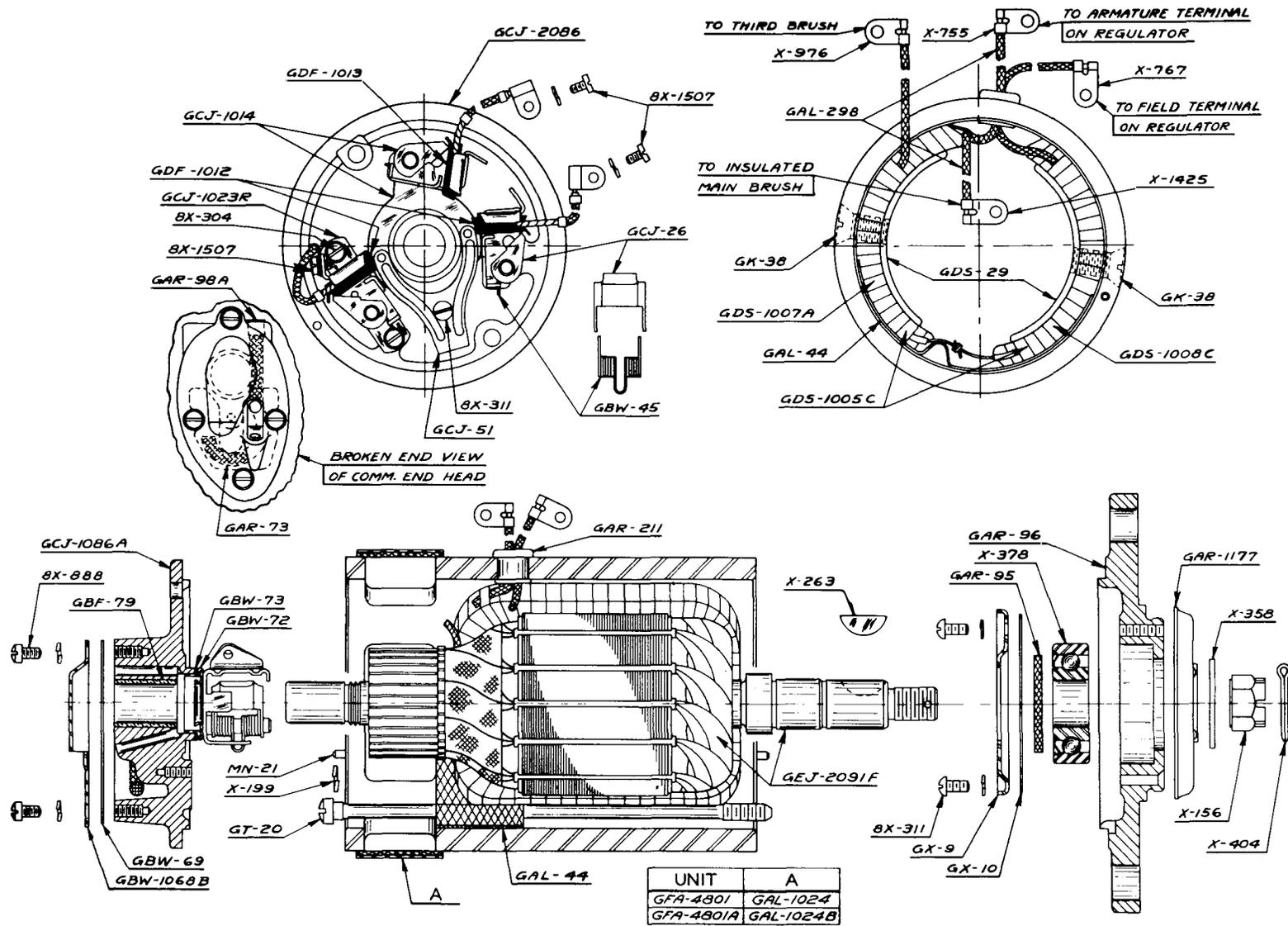
Frame & Field Assembly & Parts Used With					Armature Assembly & Parts Used With								
Part No.	No. Used	Name of Part					Part No.	No. Used	Name of Part				
		1	2	3	4	5			1	2	3	4	5
(GEO-2045)	1	Frame & Field Assy.					GAR-1177	1	Oil Thrower				
GAL-44	1	Insulation, Field Connection					GEJ-2091F	1	ARMATURE				
GAR-211	1	Bushing, Insulating					X-156	1	Nut, Armature Shaft				
GDS-29	2	Pole Piece					X-263	1	Key, Woodruff, #8				
GDS-1005C	1	COIL ASSY., FIELD, Comp.					X-358	1	Washer, Plain, Arm. Shaft, 1/2				
GDS-1007A	1	Coil Assy., Field, Left					X-404	1	Pin, Cotter, 3/32xl				
GAL-298	1	Lead Assy., C.B.					<u>Drive End Head Assembly &amp; Parts Used With</u>						
X-755	1	Terminal					GAR-1096	1	Head Assy., Drive End				
X-1425	1	Terminal					GAR-95	1	Washer, Felt				
X-976	1	Terminal					GAR-96	1	Head				
GDS-1008C	1	Coil Assy., Field, Right					GX-9	1	Retainer, Bearing				
X-767	1	Terminal					GX-10	1	Gasket				
GK-38	2	Screw, Pole Piece					X-196	3	Washer, Lock, #10				
MN-21	2	Pin, Dowel					8X-311	3	Screw, Rd. Hd., #10-32x3/8				
GT-20	2	Screw, Frame					X-378	1	BEARING, BALL, SHIELDED, S.A.E. #204				
X-199	2	Washer, Lock, Frame Screw, 1/4					<u>Miscellaneous Parts</u>						
<u>Comm. End Head Assembly &amp; Parts Used With</u>							*	1	Band, Head				
(GCJ-2086)	1	Head Assy., Comm. End					TC-4323B	1	REGULATOR, TWO CHARGE				
GAR-73	1	Wick, Felt					X-196	4	Washer, Lock, Regulator Mtg., #10				
GAR-98A	1	Cover, Wick					8X-321	4	Screw, Mtg., Regulator Rd. Hd., #10-32x5/16				
GBW-69	1	Gasket, Comm. End Cover					X-715	1	Screw, Head Band, Rd. Hd., #10-32x1 1/4				
GBW-72	1	Oil Guard					8X-794	1	Nut, Head Band, Square, #10-32				
GBW-73	1	Gasket, Oil Retaining							1	2	3	4	5
GBW-1068	1	Cover, Comm. End					(Issued 10-4-43)						
GCJ-51	1	Spring, Retaining, 3rd. Brush Plate					Assembly No.	Head Band					
GCJ-1014	1	Plate Assy., 3rd. Brush					GFA-4801	GAL-1024					
GBW-45	1	Spring, Brush					GFA-4801A	GAL-1024B					
GCJ-26	1	Arm, Brush											
GCJ-1086A	1	Head Assy., Partial, Comm. End											
GBF-79	1	BEARING, ABSORBENT BRONZE											
GBW-45	1	Spring, Brush											
GCJ-26	1	Arm, Brush											
GCJ-1023R	1	Holder Assy., Brush Grounded											
GBW-45	1	Spring, Brush											
GCJ-26	1	Arm, Brush											
X-195	2	Washer, Lock, #8											
8X-304	2	Screw, Rd. Hd., #8-32x 5/16											
GDF-1012†	2	Brush, Main											
GDF-1013†	1	Brush, Third											
X-195	5	Washer, Lock, #8											
8X-311	1	Screw, Rd. Hd., #10-32x3/8											
8X-888	4	Screw, Fill. Hd., #8-32x 5/16											
8X-1507	1	Screw, Binding Hd., #8-32x 1/4											
X-195	2	Washer, Lock, Brush Lead, #8											
8X-1507	2	Screw, Brush Lead, Bdg. hd., #8-32x1/4											
		1	2	3	4	5							

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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."

UNIT	APPLICATION
GFA-4801,A	Hercules



# ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GFA-4802 GENERATOR PARTS LIST

GFA-4802

PRELIMINARY

Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part				
		1	2	3	4	5
(GEO-3046)	1	Frame & Field Assembly				
GAL-44	1	Field Connection Ins.				
GAR-211	1	Insulating Bushing				
GDS-29	2	Pole Piece				
GDS-2005	1	FIELD COIL ASSY.- Comp.				
GDS-2007	1	Field Coil Assy.-Left				
X-976	1	Terminal				
GDS-2008	1	Field Coil Assy.-Right				
GAL-289	1	C. B. Lead Assy.				
X-755	1	Terminal				
X-1425	1	Terminal				
X-959	1	Terminal				
GK-38	2	Pole Piece Screw				
MN-21	2	Dowel Pin				
8X-140	1	#6-32 Hex. Nut				
X-194	1	#6 Lock Washer				
8X-1008	1	#6-32x9/16 Rd. Hd. Sc.				
GK-20	2	Frame Screw				
X-199	2	1/4 Lock Washer				

Comm. End Plate Assembly & Parts Used With

DA-39	2	Flat Oil Guard				
DA-70	1	Armature Shaft Nut				
DJ-10	1	End Cap Cover Gasket				
GAG-53	1	Comm. End Cap Cover				
(GCJ-3075)	1	Comm. End Plate Assembly				
GCJ-51	1	3rd Brush Plate Retaining Spring				
GCJ-1014L	1	3rd Brush Plate Assembly				
GBW-45	1	Brush Spring				
GCJ-26	1	Brush Arm				
GCJ-1075	1	C. E. Plate Part Assy.				
GBW-45	1	Brush Spring				
GCJ-26	1	Brush Arm				
GCJ-1023L	1	Grounded Brush Holder Assembly				
GBW-45	1	Brush Spring				
GCJ-26	1	Brush Arm				
X-195	2	#8 Lock Washer				
8X-304	2	#8-32x5/16 Rd. Hd. Sc.				
GDF-1012†	2	Brush - Main				
GDF-1013†	1	Brush - Third				
X-195	1	#8 Lock Washer				
8X-311	1	#10-32x3/8 Rd. Hd. Sc.				
8X-1507	1	#8-32x1/4 Bdg. Hd. Sc.				
GR-32	1	Felt Washer Retainer				
GR-35	2	Felt Washer				
X-195	2	#8 Lock Washer				
X-295	1	BALL BEARING - S.A.E. #203				
X-489	1	1/4 Oiler - Press in Type				
X-544	3	#10 Lock Washer				
8X-870	3	#10-32x5/16 Fill. Hd. Sc.				
8X-1507	2	#8-32x1/4 Bdg. Hd. Screw				
		1	2	3	4	5

Armature Assembly & Parts Used With

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

Drive End Head Assembly & Parts Used With

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

Miscellaneous Parts

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

(Issued 7-1-41)

† SERVICE BRUSH SET GDF-2012S.

UNIT	APPLICATION
GFA-4802	Gray Marine

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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

GFA-4803 GENERATOR PARTS LIST

GFA-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
(GEO-2035)	1	Frame & Field Assembly					GEJ-2090F	1	ARMATURE ASSEMBLY				
GAL-44	1	Field Connection Ins.					GAR-171	2	Snap Ring				
GAR-211	1	Insulating Bushing					GJ-104	1	Armature Shaft Spacer				
GDS-29	2	Pole Piece					GJ-179	1	7/16 Plain Washer				
GDS-1005B	1	FIELD COIL ASSY.- Comp.					X-160	1	7/16-20 Hex. Nut				
GDS-1007A	1	Field Coil Assy.-Left					X-205	1	7/16 Lock Washer				
GAL-298	1	C. B. Lead Assy.					X-261	2	#6 Woodruff Key				
X-755	1	Terminal					<b>Drive End Head Assembly &amp; Parts Used With</b>						
X-1425	1	Terminal					GAL-1063B	1	Drive End Head Assembly				
X-976	1	Terminal					GAL-63A	1	Drive End Head				
GDS-1008B	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					GK-173	3	#10-32 Hex. Nut				
8X-140	1	#6-32 Hex. Nut					X-196	3	#10 Lock Washer				
X-194	1	#6 Lock Washer					X-295	1	BALL BRG.- S.A.E. #203				
8X-1008	1	#6-32x9/16 Rd. Hd. Screw					8X-316	3	#10-32x3/4 Rd. Hd. Sc.				
GK-20	2	Frame Screw					X-489	1	1/4 Oiler - Press in Type				
X-199	2	1/4 Lock Washer					<b>Miscellaneous Parts</b>						
<b>Comm. End Plate Assembly &amp; Parts Used With</b>						CB-4014	1	CIRCUIT BREAKER ASSEMBLY					
DA-39	2	Flat Oil Guard					CB-123	1	Armature Spring				
DA-70	1	Armature Shaft Nut					CB-160S	1	C. B. Cover				
DJ-10	1	End Cap Cover Gasket					PX-55	1	#10-32x3/16 Bdg. Hd. Screw				
GAG-53	1	Comm. End Cap Cover					X-196	2	#10 Lock Washer				
(GCJ-2076)	1	Comm. End Plate Assembly					8X-312	1	#10-32x1/4 Rd. Hd. Screw				
GCJ-51	1	3rd Brush Plate Retaining Spring					GBW-1024A	1	Head Band Assembly				
GCJ-1014	1	3rd Brush Plate Assembly					X-196	2	#10 Lock Washer				
GBW-45	1	Brush Spring					8X-321	2	#10-32x5/16 Rd. Hd. Screw				
GCJ-26	1	Brush Arm					X-715	1	#10-32x1 1/4 Rd. Hd. Screw				
GCJ-1076	1	C. E. Plate Part Assy.					8X-794	1	#10-32 Square Nut				
GBW-45	1	Brush Spring							1	2	3	4	5
GCJ-26	1	Brush Arm					(Issued 10-2-41)						
GCJ-1023R	1	Grounded Brush Holder Assembly					† SERVICE BRUSH SET GDF-2012S.						
GBW-45	1	Brush Spring											
GCJ-26	1	Brush Arm											
X-195	2	#8 Lock Washer											
8X-304	2	#8-32x5/16 Rd. Hd. Sc.											
GDF-1012†	2	Brush - Main											
GDF-1013†	1	Brush - Third											
X-195	1	#8 Lock Washer											
8X-311	1	#10-32x3/8 Rd. Hd. Screw											
8X-1507	1	#8-32x1/4 Bdg. Hd. Screw											
GR-32	1	Felt Washer Retainer											
GR-35	2	Felt Washer											
X-195	2	#8 Lock Washer											
X-295	1	BALL BEARING - S.A.E. #203											
X-489	1	1/4 Oiler - Press in Type											
X-544	3	#10 Lock Washer											
8X-870	3	#10-32x5/16 Fill. Hd. Screw											
8X-1507	2	#8-32x1/4 Bdg. Hd. Screw											
		1	2	3	4	5							

UNIT	APPLICATION
GFA-4803	Gray Marine

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



# ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GFA-4804 GENERATOR PARTS LIST

GFA-4804

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
GCJ-33	1	Grounding Cup					GAG-1166	1	Oil Thrower				
(GEO-2047)	1	Frame & Field Assembly					GEJ-2104F	1	ARMATURE ASSEMBLY				
GAL-44	1	Field Connection Ins.					GAR-171	1	Snap Ring				
GAR-211	1	Insulating Bushing					X-257	1	#2 Woodruff Key				
GBW-34	1	Insulating Washer					X-261	1	#6 Woodruff Key				
GBW-67	1	Terminal Post Bottom Ins.					<u>Drive End Head Assembly &amp; Parts Used With</u>						
GCY-25	1	Insulating Bushing					GFA-1003	1	Drive End Head Assembly				
GDS-29	2	Pole Piece					GAR-95	1	Felt Washer				
GDS-1005F	1	FIELD COIL ASSY.- Comp.					GFA-3	1	Drive End Head				
GBW-58	1	Terminal Post					GX-9	1	D. E. Packing Retainer				
GDS-1007A	1	Field Coil Assy.-Left					GX-10	1	Gasket				
GAL-298	1	C. B. Lead Assy.					X-196	3	#10 Lock Washer				
X-755	1	Terminal					8X-311	3	#10-32x3/8 Rd. Hd. Screw				
X-1425	1	Terminal					X-378	1	BALL BRG.- S.A.E. #204 Oil Seal				
X-976	1	Terminal					<u>Dist. Mtg. Housing &amp; Parts Used With</u>						
GDS-1008G	1	Field Coil - Right					GAG-58	1	Dist. Mounting Housing Clamp				
GK-38	2	Pole Piece Screw					GAG-101	1	Dist. Mounting Housing				
MN-21	2	Dowel Pin					GE-25	1	Dist. Gear - Driver				
X-196	1	#10 Lock Washer					GG-133	1	Distributor Drive Rivet				
8X-349	1	#10 Plain Washer					8X-53	1	#8-32x5/8 Rd. Hd. Screw				
5X-1377	1	#10-32 Hex. Nut					8X-119	3	#10-32x1/2 Fill. Hd. Sc.				
GK-20	2	Frame Screw					8X-141	1	#8-32 Hex. Nut				
X-196	1	#10 Lock Washer					X-380	1	1/8 Grease Cup				
X-199	2	1/4 Lock Washer					X-489	1	1/4 Oiler - Press in Type				
5X-1377	1	#10-32 Hex. Nut					X-544	3	#10 Lock Washer				
<u>Comm. End Plate Assembly &amp; Parts Used With</u>													
DA-39	3	Flat Oil Guard					<u>Miscellaneous Parts</u>						
DA-70	1	Armature Shaft Nut					CB-4021	1	CIRCUIT BREAKER ASSEMBLY				
DA-132	1	Felt Washer					CB-123	1	Armature Spring				
(GCJ-2076)	1	Comm. End Plate Assembly					CB-160S	1	C. B. Cover				
GCJ-51	1	3rd Brush Plate Retaining Spring					PX-55	1	#10-32x3/16 Bdg. Hd. Sc.				
GCJ-1014	1	3rd Brush Plate Assembly					X-196	3	#10 Lock Washer				
GBW-45	1	Brush Spring					8X-312	2	#10-32x1/4 Rd. Hd. Screw				
GCJ-26	1	Brush Arm					GBW-1024A	1	Head Band Assembly				
GCJ-1076	1	C. E. Plate Part Assy.					X-196	2	#10 Lock Washer				
GBW-45	1	Brush Spring					8X-321	2	#10-32x5/16 Rd. Hd. Screw				
GCJ-26	1	Brush Arm					X-715	1	#10-32x1 1/4 Rd. Hd. Screw				
GCJ-1023R	1	Grounded Brush Holder Assembly					8X-794	1	#10-32 Square Nut				
GBW-45	1	Brush Spring							1	2	3	4	5
GCJ-26	1	Brush Arm					(Issued 7-1-41)						
X-195	2	#8 Lock Washer					† SERVICE BRUSH SET GDF-2012S.						
8X-304	2	#8-32x5/16 Rd. Hd. Sc.											
GDF-1012†	2	Brush - Main											
GDF-1013†	1	Brush - Third											
X-195	1	#8 Lock Washer											
8X-311	1	#10-32x3/8 Rd. Hd. Sc.											
8X-1507	1	#8-32x1/4 Bdg. Hd. Sc.											
GR-32	1	Felt Washer Retainer											
GR-35	1	Felt Washer											
X-195	2	#8 Lock Washer											
X-295	1	BALL BEARING - S.A.E. #203											
X-489	1	1/4 Oiler - Press in Type											
8X-1507	2	#8-32x1/4 Bdg. Hd. Screw											
		1	2	3	4	5							

UNIT	APPLICATION
GFA-4804	Universal

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# ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GFA-4806-2S, A-2 GENERATOR PARTS LIST

GFA-4806-2S, A-2

Frame & Field Assembly & Parts Used With		
Part No.	No. Used	Name of Part
(GEO-2050)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GAR-211	1	Bushing, Insulating
GEO-1005	1	COIL ASSY., FIELD, COMP.
GEO-1007	1	Coil Assy., Field, Left
GAL-298	1	Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GEO-1008	1	Coil Assy., Field, Right
X-767	1	Terminal
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel, Head Locating
GK-20A	2	Bolt, Thru
12X-199	2	Washer, Lock, Thru Bolt, 1/4
Comm. End Head Assembly & Parts Used With		
GCJ-2087	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBW-69	1	Gasket, C.E. Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GBW-1068	1	Cover, Comm. End
GCJ-51	1	Spring, Retaining, 3rd. Brush Plate
GCJ-1014	1	Plate Assy., 3rd Brush
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1087A	1	Head Assy., Partial, C.E.
GBF-79	1	ABSORBENT BRONZE, BEARING
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1023R	1	Holder Assy., Brush, Grounded
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
X-195	2	Washer, Lock, #8
8X-304	2	Screw, Rd. Hd., #8-32x5/16
GDF-1012**	2	Brush, Main
GDF-1013**	1	Brush, Third
12X-195	4	Washer, Lock, Cover Sc., #8
8X-311	1	Screw, Retaining, Brush Plate, Rd. Hd., #10-32x3/8
8X-888	4	Screw, Cover, Fil. Hd., #8-32x5/16
12X-195	3	Washer, Lock, Brush Lead, #8
8X-1507	3	Screw, Brush Lead, Bdg. Hd., #8-32x1/4

Armature Assembly & Parts Used With		
Part No.	No. Used	Name of Part
GBM-21B	1	Nut, Armature Shaft
GEJ-2006F	1	ARMATURE ASSY.
GAR-171	1	Snap Ring
GJ-104	1	Spacer, Arm. Shaft
GR-32	1	Retainer, Felt Washer
*	1	Pulley, Drive
X-260	1	Key, Woodruff, #5
12X-864	1	Washer, Lock, Arm. Shaft
Drive End Head Assembly & Parts Used With		
GAR-1231	1	Head Assy., Drive End
GAM-34	1	Retainer, Felt Washer, Outer
GAR-63	1	Retainer, Felt Washer, Inner
GAR-64	1	Retainer, Bearing
GAR-231	1	Head
GG-164	2	Washer, Felt
X-196	3	Washer, Lock, #10
X-295	1	BEARING, BALL, S.A.E. #203
8X-311	3	Screw, Rd. Hd., #10-32x3/8
X-489	1	Oiler, Press in Type, 1/4

Miscellaneous Parts		
GCS-1024	1	Band, Cover
TC-4301C	1	REGULATOR, TWO CHARGE
12X-196	4	Washer, Lock, Regulator Mtg., #10
8X-321	4	Screw, Mtg., Regulator, Rd. Hd., #10-32x5/16
8X-714	1	Screw, Cover Band, Rd. Hd., #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square, #10-32

Assembly No.	Pulley, Drive
GFA-4806-2S	None
GFA-4806A-2	SP-450

\*\* BRUSH SET, SERVICE, GDF-2012S.

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

UNIT	APPLICATION
GFA-4806-2S	Buda, Hanson Clutch
GFA-4806A-2	Hanson Clutch

(Issued 6-16-48)

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# ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GFA-4808-2 GENERATOR PARTS LIST

GFA-4808-2

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
(GEO-2052)	1	Frame & Field Assy.	GAR-1177	1	Oil Thrower
GAL-44	1	Insulation, Field Connection	GEJ-2091F	1	Armature
GAR-211	1	Bushing, Insulating	X-156	1	Nut, Shaft, Castellated 1/2-20
GEO-1005	1	Coil Assy., Field, Complete	X-263	1	Key, Woodruff, #8
GEO-1007	1	Coil Assy., Field, Left	X-358	1	Washer, Shaft, Plain 1/2
GAL-298	1	Lead Assy.	X-404	1	Pin, Cotter, 3/32x1
X-755	1	Terminal	<b>Drive End Head Assembly &amp; Parts Used With</b>		
X-1425	1	Terminal	GAR-1096A	1	Head Assy., Drive End
X-976	1	Terminal	GAR-95	1	Washer, Felt
GEO-1008	1	Coil Assy., Field, Right	GAR-96A	1	Head
X-767	1	Terminal	GX-9	1	Retainer, Bearing
GK-38	2	Screw, Pole Shoe	GX-10	1	Gasket
MN-21	2	Pin, Dowel	X-196	3	Lockwasher, Retainer Sc., #10
GT-20A	2	Bolt, Thru	8X-311	3	Screw, Bearing Retainer, Rd. Hd. #10-32x3/8
12X-199	2	Lockwasher, Thru Bolt, 1/4	X-378	1	Bearing, Ball, Shielded, S.A.E. #204
<b>Comm. End Head Assembly &amp; Parts Used With</b>			<b>Miscellaneous Parts</b>		
GCJ-2086A	1	Head Assy., Comm. End	GAL-1024	1	Band, Cover
GAR-73	1	Wick, Felt	TC-4327E	1	Regulator, Two Charge
GAR-98A	1	Cover, Wick	12X-196	4	Lockwasher, Regulator Mtg. Sc., #10
GBW-69	1	Gasket, C.E. Cover	8X-321	4	Screw, Regulator Mtg., Rd. Hd. #10-32x5/16
GBW-72	1	Oil Guard	8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
GBW-73	1	Gasket, Oil Retaining	8X-794	1	Nut, Cover Band, Square #10-32
GBW-1068	1	Cover, Comm. End	† Brush Set, Service GDF-2012S.		
GCJ-51	1	Spring, Retaining, 3rd Brush Plate			
GCJ-1014	1	Plate Assy., 3rd Brush			
GBW-45	1	Spring, Brush			
GCJ-26	1	Arm, Brush			
GCJ-1086	1	Head Assy., Partial, C.E.			
GBF-79	1	Bearing, Abs. Bronze			
GBW-45	1	Spring, Brush			
GCJ-26	1	Arm, Brush			
GCJ-1023R	1	Holder Assy., Brush, Grounded			
GBW-45	1	Spring, Brush			
GCJ-26	1	Arm, Brush			
X-195	2	Lockwasher, Brush Holder Sc., #8			
8X-304	2	Screw, Brush Holder, Rd. Hd. #8-32x5/16			
GDF-1012†	2	Brush, Main			
GDF-1013†	1	Brush, Third			
X-195	4	Lockwasher, Cover Sc., #8			
8X-311	1	Screw, Retaining Spring, Rd. Hd. #10-32x3/8			
8X-888	4	Screw, C.E. Cover, Fill. Hd. #8-32x5/16			
12X-195	3	Lockwasher, Brush Lead Sc., #8			
8X-1507	3	Screw, Brush Lead, Bdg. Hd. #8-32x1/4			

(Issued 8-2-48)

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# ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GFA-4810 GENERATOR PARTS LIST

GFA-4810

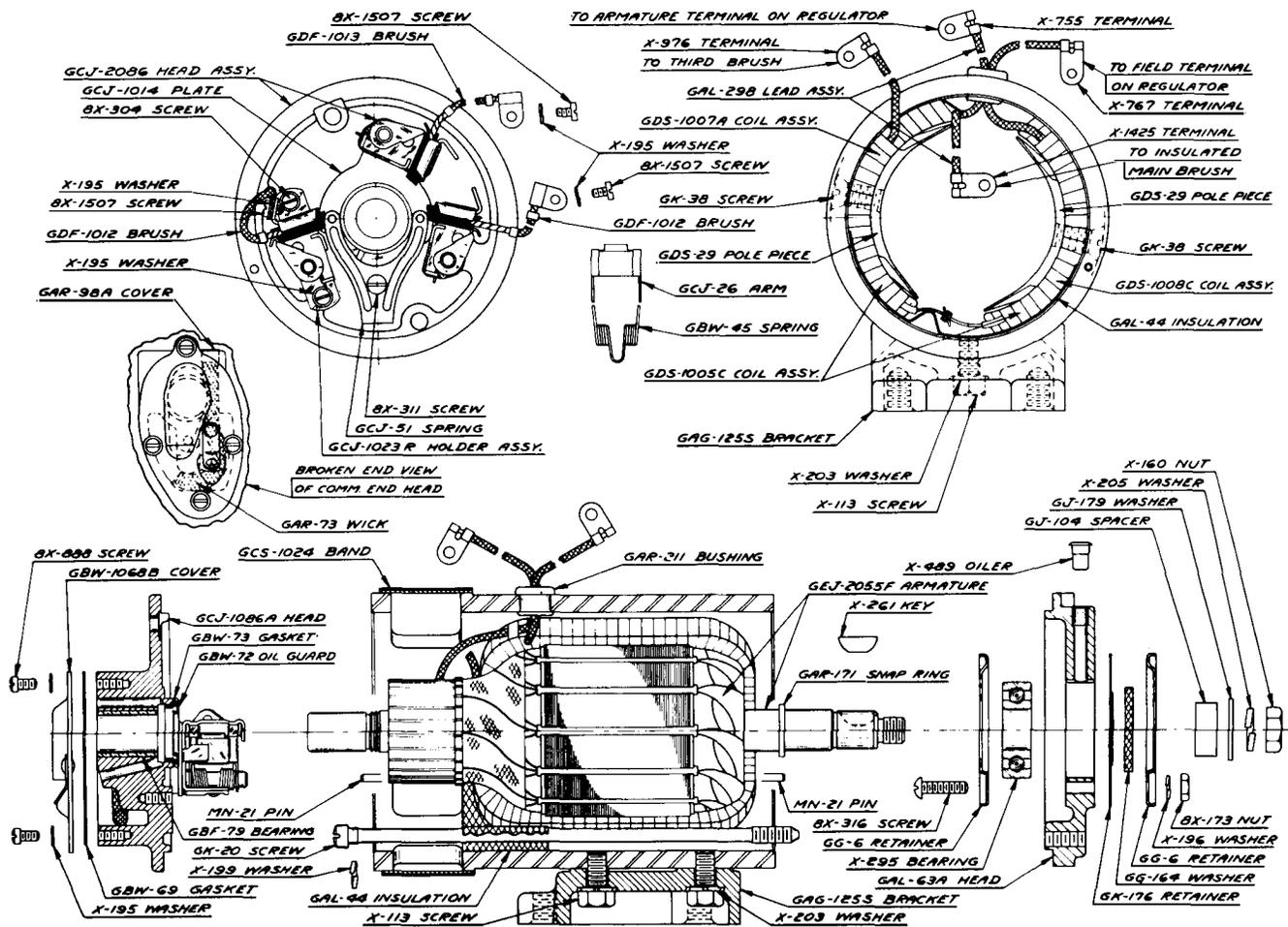
Frame & Field Assembly & Parts Used With			Comm. End Head Assembly (Continued)						
Part No.	No. Used	Name of Part	Part No.	No. Used	Name of Part				
(GEO-2056)	1	Frame & Field Assy.	X-195	5	Washer, Lock, #8				
GAG-125S	1	Bracket, Mounting, Gen.	8X-311	1	Screw, Rd. Hd., #10-32x3/8				
GAL-44	1	Insulation, Field Conn.	8X-888	4	Screw, Fill Hd., #8-32x5/16				
GAR-211	1	Bushing, Insulating	8X-1507	1	Screw, Binding Hd., #8-32x1/4				
GDS-29	2	Pole Piece	X-195	2	Washer, Lock, Brush Lead, #8				
GDS-1005C	1	Coil Assy., Field, Comp.	8X-1507	2	Screw, Brush Lead, Bdg. Hd., #8-32x1/4				
GDS-1007A	1	Coil Assy., Field, Left							
GAL-298	1	Lead Assy., C.B.	<u>Armature Assembly &amp; Parts Used With</u>						
X-755	1	Terminal	GEJ-2055F	1	Armature Assembly				
X-1425	1	Terminal	GAR-171	1	Snap Ring				
X-976	1	Terminal	GJ-104	1	Spacer, Armature Shaft				
GDS-1008C	1	Coil Assy., Field, Right	GJ-179	1	Washer, Plain, Armature Shaft				
X-767	1	Terminal	X-160	1	Nut, Armature Shaft, Hex., 7/16-20				
GK-38	2	Screw, Pole Piece	X-205	1	Washer, Lock, Armature Shaft, 7/16				
MN-21	2	Pin, Dowel	X-261	1	Key, Woodruff, #6				
X-113	2	Screw, Mounting Bracket, Hex. Hd., 5/16-24x5/8	<u>Drive End Head Assembly &amp; Parts Used With</u>						
X-203	2	Washer, Lock, Mounting Bracket, 5/16	GAL-1063B	1	Head Assy., Drive End				
GK-20	2	Screw, Frame	GAL-63A	1	Head				
X-199	2	Washer, Lock, Frame Screw, 1/4	GG-6	2	Retainer, Bearing				
<u>Comm. End Head Assembly &amp; Parts Used With</u>			GG-164	1	Washer, Felt				
GCJ-2086	1	Head Assy., Comm. End	GK-176	1	Retainer, Felt Washer				
GAR-73	1	Wick, Felt	8X-173	3	Nut, Hex., #10-32				
GAR-98A	1	Cover, Wick	X-196	3	Washer, Lock, #10				
GBW-69	1	Gasket, Comm. End Cover	X-295	1	Bearing, Ball, S.A.E. #203				
GBW-72	1	Oil Guard	8X-316	3	Screw, Rd. Hd., #10-32x3/4				
GBW-73	1	Gasket, Oil Retaining	X-489	1	Oiler, Press in Type, 1/4				
GBW-1068	1	Cover, Comm. End	<u>Miscellaneous Parts</u>						
GCJ-51	1	Spring, Retaining, 3rd Brush Plate	GCS-1024	1	Band, Head				
GCJ-1014	1	Plate Assy., 3rd Brush	TC-4305B	1	Regulator, Two Charge				
GBW-45	1	Spring, Brush	X-196	4	Washer, Lock, Regulator Mtg., #10				
GCJ-26	1	Arm, Brush	8X-321	4	Screw, Mtg., Regulator, Rd. Hd., #10-32x5/16				
GCJ-1086A	1	Head Assy., Partial, Comm. End	8X-715	1	Screw, Head Band, Rd. Hd., #10-32x1 1/4				
GBF-79	1	Bearing, Abs., Bronze	8X-794	1	Nut, Head Band, Square, #10-32				
GBW-45	1	Spring, Brush	† Service BRUSH SET GDF-2012S.						
GCJ-26	1	Arm, Brush	<table border="1" style="margin: auto; border-collapse: collapse;"> <tr> <td style="padding: 2px;">UNIT</td> <td style="padding: 2px;">APPLICATION</td> </tr> <tr> <td style="padding: 2px;">GFA-4810</td> <td style="padding: 2px;">Buda Koehring</td> </tr> </table>			UNIT	APPLICATION	GFA-4810	Buda Koehring
UNIT	APPLICATION								
GFA-4810	Buda Koehring								
GCJ-1023R	1	Holder Assy., Brush Grounded							
GBW-45	1	Spring, Brush							
GCJ-26	1	Arm, Brush							
X-195	2	Washer, Lock, #8							
8X-304	2	Screw, Rd. Hd. #8-32x5/16							
GDF-1012†	2	Brush, Main							
GDF-1013†	1	Brush, Third							

(Issued 6-17-43)

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# ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GFA-4812A-2 GENERATOR PARTS LIST

GFA-4812A-2

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					
		1	2	3	4	5			1	2	3	4	5	
(GEO-2053)	1	Frame & Field Assy.					GBW-45	1	Spring, Brush					
GAA-32	1	Washer, Ins., Arm. Term., Outer					GCJ-26	1	Arm, Brush					
GAL-44	1	Insulation, Field Connection					GCJ-1023R	1	Holder Assy., Brush, Grounded					
GBW-34	1	Washer, Ins., Field Term., Outer					GBW-45	1	Spring, Brush					
GCT-25	1	Bushing, Ins., Arm. Term.					GCJ-26	1	Arm, Brush					
GCY-25	1	Bushing, Ins., Field Term.					X-195	2	Lockwasher, Br. Holder Sc., #8					
GDS-30	1	Lead Assy.					8X-304	2	Screw, Brush Holder, Rd. Hd. #8-32x5/16					
GAA-27	1	Stud, Arm. Term. #14-24					GDF-1012 †	2	Brush, Main					
X-1611	1	Terminal					GDF-1013 †	1	Brush, Third					
GEO-1005D	1	COIL ASSY., FIELD, COMP.					12X-195	4	Lockwasher, Cover Sc., #8					
GEB-58	1	Stud, Field Term., #10-32					8X-311	1	Screw, Spring, Rd. Hd. #10-32x3/8					
GEO-1007C	1	Coil Assy., Field, Left					8X-888	4	Screw, Cover, Fill. Hd. #8-32x5/16					
X-847	1	Terminal					X-195	3	Lockwasher, Brush Lead Sc., #8					
GEO-1008D	1	Coil, Field, Right					8X-1507	3	Screw, Brush Lead Bdg. Hd. #8-32x1/4					
GEA-34	1	Insulation, Term. Stud, Inner					<u>Armature Assembly &amp; Parts Used With</u>							
GK-38	2	Screw, Pole Shoe					GBM-21B	1	Nut, Shaft, Hex. .669-20					
MN-21	2	Pin, Dowel					GEJ-2006F	1	ARMATURE ASSY.					
8X-177	2	Nut, Arm. Term., Hex. #14-24					GAR-171	1	Snap Ring					
X-193	2	Lockwasher, Arm. Term., #14					GR-32	1	Retainer, Felt Washer					
X-196	2	Lockwasher, Field Term., #10					SP-383A	1	Pulley, Drive					
8X-349	1	Washer, Plain, Field Term., #10					X-260	1	Key, Woodruff, #5					
8X-361	1	Washer, Plain, Arm. Term., 1/4					X-864	1	Lockwasher, Shaft					
8X-1377	2	Nut, Field Term., Hex. #10-32					<u>Drive End Head Assembly &amp; Parts Used With</u>							
GK-20A	2	Bolt, Thru					GAM-1101	1	Head Assy., Drive End					
X-196	1	Lockwasher, Ground Screw, #10					GAM-34	1	Retainer, Felt Washer, Outer					
X-199	2	Lockwasher, Thru Bolt, 1/4					GAM-101	1	Head					
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16					GAR-63	1	Retainer, Felt Washer, Inner					
<u>Comm. End Head Assembly &amp; Parts Used With</u>						GAR-64	1	Retainer, Bearing						
GCJ-2087	1	Head Assy., Comm. End					GG-164	2	Washer, Felt					
GAR-73	1	Wick, Felt					X-196	3	Lockwasher, Retainer Sc., #10					
GAR-98A	1	Cover, Wick					X-295	1	BEARING, BALL, S.A.E. #203					
GBW-69	1	Gasket, Comm. End Cover					8X-311	3	Screw, Retainer Rd. Hd. #10-32x3/8					
GBW-72	1	Oil Guard					X-489	1	Oiler, Press in Type, 1/4					
GBW-73	1	Gasket, Oil Retaining					<u>Miscellaneous Parts</u>							
GBW-1068	1	Cover, Comm. End					GBW-1024E	1	Band, Cover					
GCJ-51	1	Spring, Retaining, 3rd. Brush Plate					8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2					
GCJ-1014	1	Plate Assy., 3rd. Brush					8X-794	1	Nut, Cover Band, Square #10-32					
GBW-45	1	Spring, Brush							1	2	3	4	5	
GCJ-26	1	Arm, Brush												
GCJ-1087A	1	Head Assy., Partial, Comm. End												
GBF-79	1	BEARING, ABS, BRONZE												
		1	2	3	4	5								

(Continued on reverse side)

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

# ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GFA-4812A-2 GENERATOR PARTS LIST

GFA-4812A-2

Page 2

† BRUSH SET, SERVICE GDF-2012S

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

NOTE: TC-4326B REGULATOR, TWO CHARGE  
used with but is not a part of this  
Generator.

UNIT	APPLICATION
GFA-4812A-2	Continental, Elwell Parker, Hercules

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(Issued 3-24-48)

File in  
Equipment & Parts List Binder

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

# ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GFA-4813-2 GENERATOR PARTS LIST

GFA-4813-2  
(Issued 3-29-51)

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
GEO-2052)	1	Frame & Field Assy.	X-489	1	Oiler
GAL-44	1	Insulation, Field Connection	8X-870	3	Screw, Cover, Fill. Hd. #10-32x5/16
GAR-211	1	Bushing, Insulating	8X-1507	3	Screw, Brush Lead, Bdg. Hd. #8-32x1/4
GEO-1005	1	COIL ASSY., FIELD, COMPLETE	<b>Armature Assembly &amp; Parts Used With</b>		
GEO-1007	1	Coil Assy., Field, Left	GAR-1177	1	Oil Thrower
GAL-298	1	Lead Assembly	GEJ-2113F	1	ARMATURE ASSY.
X-755	1	Terminal	GAR-171	1	Snap Ring
X-1425	1	Terminal	X-157	1	Nut, Armature Shaft, D.E.
X-976	1	Terminal	X-260	1	Key, Woodruff, C.E., #5
GEO-1008	1	Coil Assy., Field, Right	X-263	1	Key, Woodruff, D.E., #8
X-767	1	Terminal	X-358	1	Washer, Plain, Shaft, D.E.
GK-38	2	Screw, Pole Shoe	X-404	1	Pin, Cotter, 3/32x1
MN-21	2	Pin, Dowel	<b>Drive End Head Assembly &amp; Parts Used With</b>		
GT-20A	2	Bolt, Thru	GAL-1330	1	Head Assy., Drive End
12X-199	2	Lockwasher, Thru Bolt, 1/4	GAL-330	1	Head, Drive End
<b>Comm. End Head Assembly &amp; Parts Used With</b>			GX-9	1	Retainer, Bearing
DA-39	2	Washer, Plain, Felt Retaining	GX-10	1	Gasket, Retainer
DA-70	1	Nut, Armature Shaft	X-196	3	Lockwasher, Retainer Screw #10
DJ-10	1	Gasket, C.E. Cover	8X-311	3	Screw, Retainer, Rd. Hd. #10-32x3/8
GAG-53	1	Cover, Comm. End	X-378	1	BEARING, BALL, SHIELDED, S. A. E. #204
GCJ-2076	1	Head Assembly, Comm. End	<b>Miscellaneous Parts</b>		
GCJ-51	1	Spring, Retaining, 3rd Brush Plate	GBW-1024E	1	Band, Cover
GCJ-1014	1	Plate Assy., 3rd Brush	TC-4301D	1	REGULATOR, TWO CHARGE
GBW-45	1	Spring, Brush	12X-196	4	Lockwasher Mtg. Sc., #10
GCJ-26	1	Arm, Brush	8X-321	4	Screw, Regulator, Mtg., Rd. Hd. #10-32x5/16
GCJ-1076	1	Head Assy., Partial, C.E.	8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
GBW-45	1	Spring, Brush	8X-794	1	Nut, Cover Band, Square #10-32
GCJ-26	1	Arm, Brush	† BRUSH SET, SERVICE GDF-2012S.		
GCJ-1023R	1	Holder Assy., Brush, Grounded			
GBW-45	1	Spring, Brush			
GCJ-26	1	Arm Brush			
12X-195	2	Lockwasher Holder Sc. #8			
8X-304	2	Screw, Brush Holder, Rd. Hd. #8-32x5/16			
GDF-1012†	2	Brush, Main			
GDF-1013†	1	Brush, Third			
8X-311	1	Screw, Retaining Spring, Rd. Hd. #10-32x3/8			
GR-32	1	Retainer, Felt Washer			
GR-35	2	Washer, Felt			
12X-195	3	Lockwasher, Lead Sc., #8			
12X-196	3	Lockwasher, Cover Screw, #10			
X-295	1	BEARING, BALL, S. A. E. #203			

UNIT	APPLICATION
GFA-4813-2	Thorobred, Waukesha

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

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# ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GFA-4818-2, P-2 GENERATOR PARTS LIST

GFA-4818-2, P-2  
(Issued 11-6-56)

Frame & Field Assembly & Parts Used With			Comm. End Head Assembly & Parts (Con't)		
Part No.	No. Used	Name Of Part	Part No.	No. Used	Name Of Part
GEO-2053	1	Frame & Field Assy.	GCJ-51	1	Spring, Retaining, 3rd. Brush Plate
GAA-32	1	Washer, Ins., Arm. Term.	GCJ-1014	1	Plate Assy., 3rd. Brush
GAL-44	1	Insulation, Field Connection	GBW-45	1	Spring, Brush
GBW-34	1	Washer, Ins., Field Term.	GCJ-26	1	Arm, Brush
GCT-25	1	Bushing, Ins., Arm. Term.	GCJ-1124A	1	Head Assy., Partial, C. E.
GCY-25	1	Bushing, Ins., Field Term.	GBF-79	1	BEARING, ABS. BRONZE
GDS-30	1	Lead Assembly	GBW-45	1	Spring, Brush
GAA-27	1	Stud, Arm. Term., #14-24	GCJ-26	1	Arm, Brush
X-1611	1	Terminal	GCJ-1023R	1	Holder Assy., Brush, Grounded
GEO-1005D	1	COIL ASSY., FIELD, COMPLETE	GBW-45	1	Spring, Brush
GEB-58	1	Stud, Field Term., #10-32	GCJ-26	1	Arm, Brush
GEO-1007C	1	Coil Assy., Field, Left Terminal	12X-195	2	Lockwasher, Holder Sc., #8
X-847	1	Coil, Field, Right	8X-304	2	Screw, Br. Holder, Rd. Hd. #8-32x5/16
GEO-1008D	1	Insulation, Term. Stud, Inner	GGW-52	1	Screw, Spring Rd. Hd. #10-32x1/2
GEA-34	1	Screw, Pole Shoe	12X-195	4	Lockwasher, Cover Sc., #8
GK-38	2	Pin, Dowel	X-489	1	Oiler
MN-21	2	Nut, Arm. Term., Hex. #14-24	8X-888	4	Screw, Cover, Fill. Hd. #8-32x5/16
8X-177	2	Lockwasher, Field Term. #10	GDF-2012S	1	BRUSH SET SERVICE
12X-196	2	Lockwasher, Arm. Term. 1/4	12X-195	3	Lockwasher, Lead Sc., #8
12X-199	2	Washer, Plain, Field Term. #10	8X-1507	3	Screw, Brush Lead, Bdg. Hd. #8-32x1/4
8X-349	1	Washer, Plain, Arm. Term. 1/4	<u>Armature Assembly &amp; Parts Used With</u>		
8X-361	1	Nut, Field Term., Hex. #10-32	GAR-1177	1	Oil Thrower
8X-1377	2	Bolt, Thru	GEJ-2091F	1	ARMATURE
GT-20A	2	Lockwasher, Ground Sc., #10	GFY-38	1	Washer, Plain, Arm. Shaft, 1/2
12X-196	1	Lockwasher, Thru Bolt, 1/4	X-156	1	Nut, Arm. Shaft, Hex. D. E.
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16	X-263	1	Key, Woodruff, #8
<u>Comm. End Head Assembly &amp; Parts Used With</u>			X-404	1	Pin, Cotter
GCJ-2124S	1	Head Assy., Comm. End	<u>Drive End Head Assembly &amp; Parts Used With</u>		
GAR-73	1	Wick, Felt	GAR-1096A	1	Head Assy., Drive End
GAR-98A	1	Cover, Wick	GAR-95	1	Washer, Felt
GBW-30	1	Cover, Comm. End	GAR-96A	1	Head, Drive End
GBW-69	1	Gasket, C. E. Cover	GGW-52	3	Screw, Retainer, Rd. Hd.
GBW-72	1	Oil Guard	GX-9	1	Retainer, Bearing
GBW-73	1	Gasket, Oil Guard	GX-10	1	Gasket
			12X-196	3	Lockwasher Retainer
			X-378	1	BEARING, BALL, SHIELDED, S. A. E. #204

(Continued On Reverse Side)

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

# ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GFA-4818-2, P-2 GENERATOR PARTS (Con't)

## Miscellaneous Parts

Part No.	No. Used	Name Of Part
GAL-1024B	1	Band Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

NOTE: TC-4326A REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GFA-4818-2	John Bean, Michigan Marine, Speed Sprayer
GFA-4818P-2	Nordberg

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"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."

# ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GFA-4819 GENERATOR PARTS LIST

GFA-4819

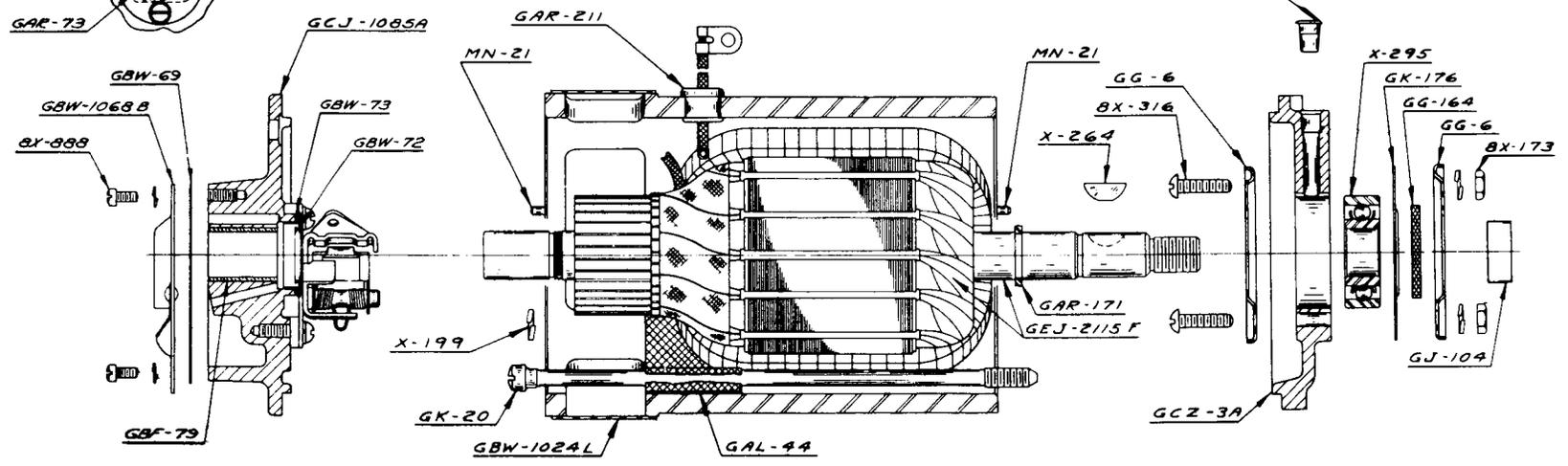
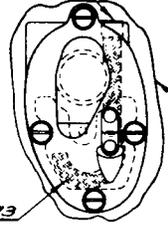
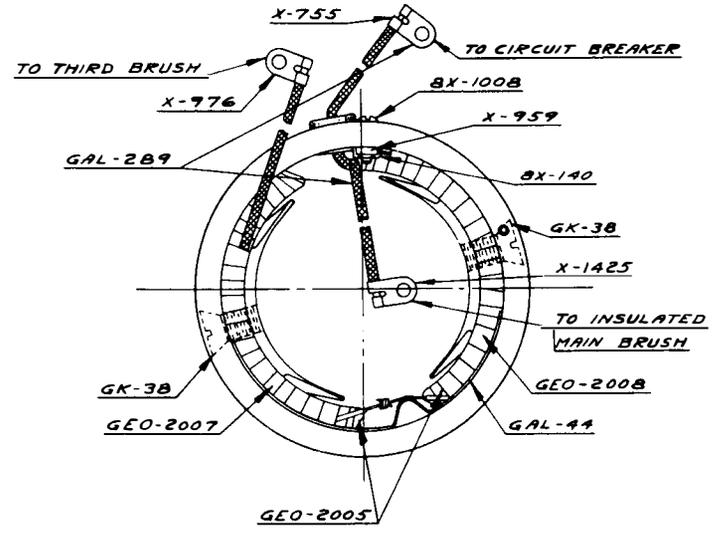
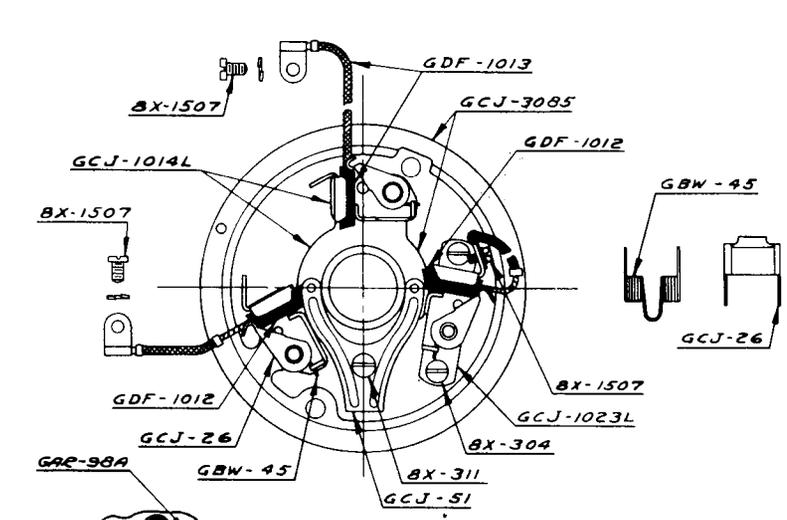
Frame & Field Assembly & Parts Used With					Armature Assembly & Parts Used With								
Part No.	No. Used	Name of Part					Part No.	No. Used	Name of Part				
		1	2	3	4	5			1	2	3	4	5
(GEO-3068)	1	Frame & Field Assy.					GEJ-2115F	1	Armature Assy.				
GAL-44	1	Insulation, Field Connection					GAR-171	1	Snap Ring				
GAR-211	1	Bushing, Insulating					GJ-104	1	Spacer, Armature Shaft				
GEO-2005	1	Coil Assy., Field, Comp.					X-264	1	Key, Woodruff, #9				
GEO-2007	1	Coil Assy., Field, Left					<u>Drive End Head Assembly &amp; Parts Used With</u>						
X-976	1	Terminal					GCZ-1003A	1	Head Assy., Drive End				
GEO-2008	1	Coil Assy., Field, Right					GCZ-3A	1	Head				
GAL-289	1	Lead Assy.					GG-6	2	Retainer, Bearing				
X-755	1	Terminal					GG-164	1	Washer, Felt				
X-1425	1	Terminal					GK-176	1	Retainer, Felt Washer				
X-959	1	Terminal					8X-173	3	Nut, Retainer Screw, Hex., #10-32				
GK-38	2	Screw, Pole Shoe					X-196	3	Washer, Lock, Retainer Sc., #10				
MN-21	2	Pin, Dowel, Head Locating					X-295	1	Bearing, Ball, S.A.E. #203				
8X-140	1	Nut, Field Ground, Hex., #6-32					8X-316	3	Screw, Retainer, Rd. hd., #10-32x3/4				
X-194	1	Washer, Lock, Field Ground Screw, #6					X-489	1	Oiler, Hinge Top, Press in, 1/4				
8X-1008	1	Screw, Field Ground, Rd. hd., #6-32x9/16					<u>Miscellaneous Parts</u>						
GK-20	2	Bolt, Thru					CB-4014	1	Relay Assy., Cutout				
X-199	2	Washer, Lock, Thru Bolt, 1/4					CB-123	1	Spring, Armature				
<u>Comm. End Head Assembly &amp; Parts Used With</u>						CB-160S	1	Cover					
(GCJ-3085)	1	Head Assy., Comm. End					PX-55	1	Screw, Arm. Term., Bdg. hd., #10-32x3/16				
GAR-73	1	Wick, Felt					X-196	2	Washer, Lock, Term. Sc., #10				
GAR-98A	1	Cover, Wick					8X-312	1	Screw, Bat. Term., Rd. hd., #10-32x1/4				
GBW-69	1	Gasket, Comm. End Cover					GBW-1024L	1	Band, Cover				
GBW-72	1	Oil Guard					X-196	2	Washer, Lock, Cutout Relay Mtg., #10				
GBW-73	1	Gasket, Oil Guard					8X-321	2	Screw, Mtg., Cutout Relay, Rd. hd., #10-32x5/16				
GBW-1068	1	Cover, Comm. End					8X-715	1	Screw, Cover Band, Rd. hd., #10-32x1 1/4				
GCJ-51	1	Spring, Retaining, 3rd Brush Plate					8X-794	1	Nut, Cover Band, Square, #10-32				
GCJ-1014L	1	Plate Assy., 3rd Brush					1 2 3 4 5						
GBW-45	1	Spring, Brush					(Issued 5-25-44)						
GCJ-26	1	Arm, Brush											
GCJ-1085A	1	Head Assy., Partial, C.E.											
GBF-79	1	Bearing, Absorbent Bronze											
GBW-45	1	Spring, Brush											
GCJ-26	1	Arm, Brush											
GCJ-1023L	1	Holder Assy., Brush, Grounded											
GBW-45	1	Spring, Brush											
GCJ-26	1	Arm, Brush											
X-195	2	Washer, Lock, #8											
8X-304	2	Screw, Rd. hd., #8-32x5/16											
GDF-1012†	2	Brush, Main											
GDF-1013†	1	Brush, Third											
X-195	4	Washer, Lock, Cover Sc., #8											
8X-311	1	Screw, Retaining, Brush Plate, Rd. hd., #10-32x3/8											
8X-888	4	Screw, Cover, Fil. hd., #8-32x5/16											
X-195	3	Washer, Lock, Brush Lead, #8											
8X-1507	3	Screw, Brush Lead, Bdg. hd., #8-32x1/4											

† Brush Set, Service, GDF-2012S.

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GFA-4819 GENERATOR ILLUSTRATION

# ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GFA-4820 GENERATOR PARTS LIST

GFA-4820

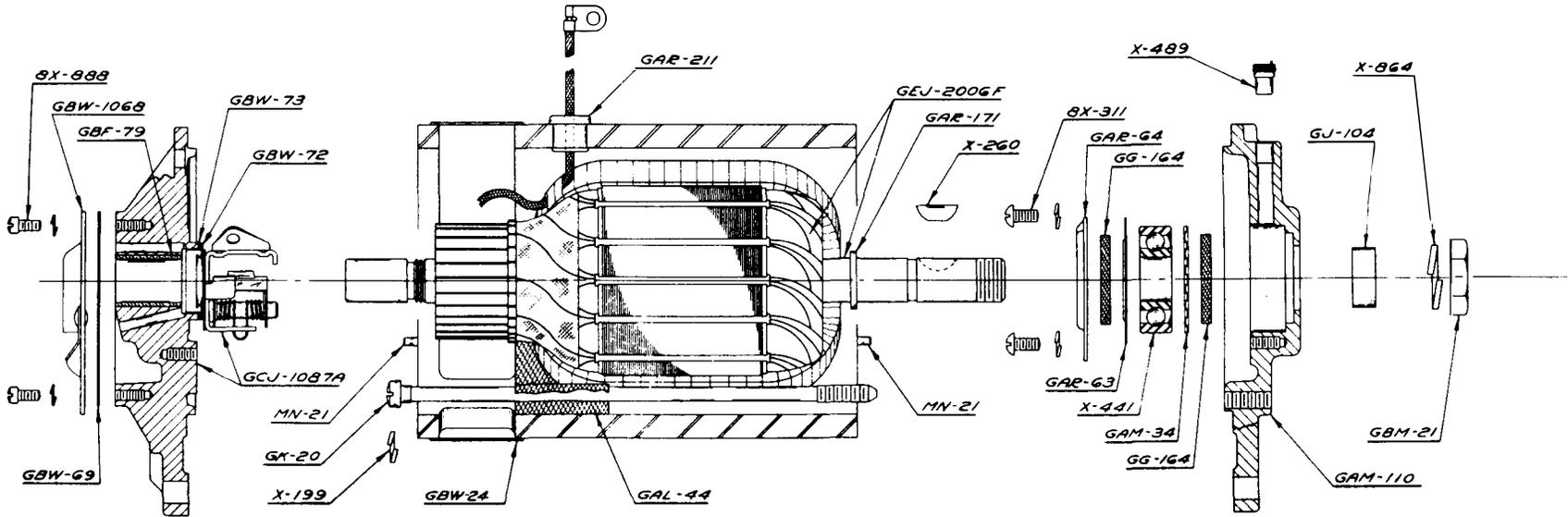
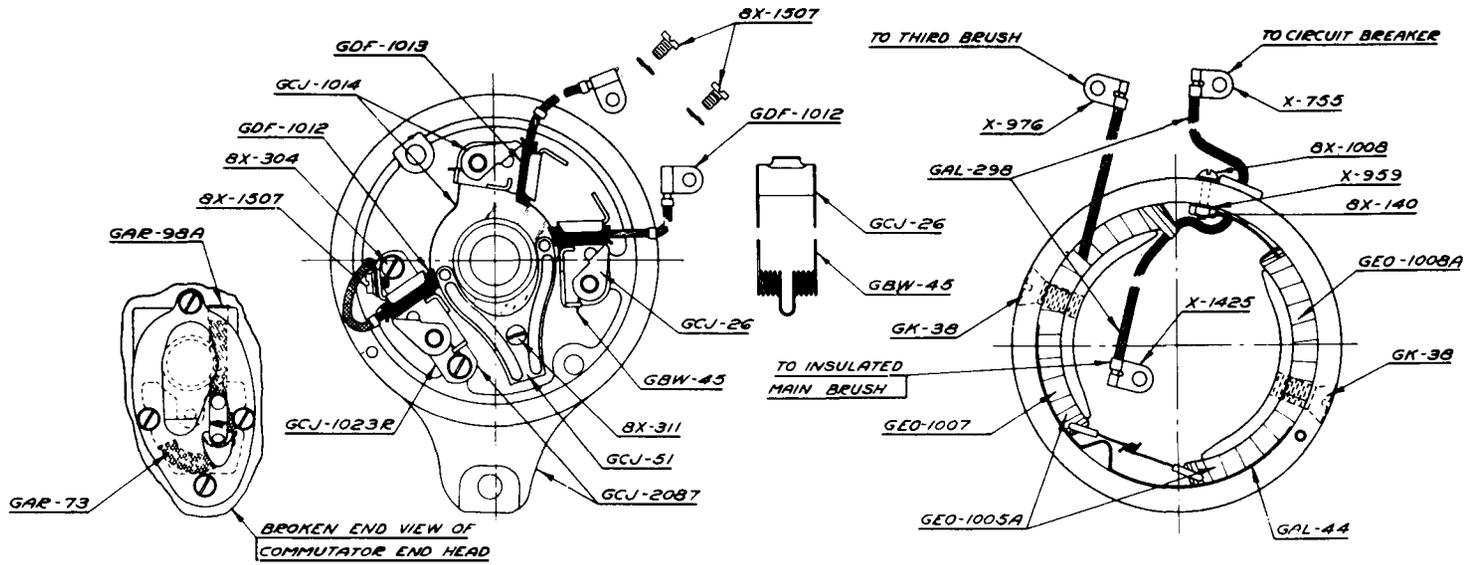
Frame & Field Assembly & Parts Used With						Armature Assembly & Parts Used With							
Part No.	No. Used	Name of Part					Part No.	No. Used	Name of Part				
		1	2	3	4	5			1	2	3	4	5
(GEO-2069)	1	Frame & Field Assy.					GBM-21	1	Nut, Armature Shaft				
GAL-44	1	Insulation, Field Connection					GEJ-2006F	1	Armature Assy.				
GAR-211	1	Bushing, Insulating					GAR-171	1	Snap Ring				
GEO-1005A	1	Coil Assy., Field, Comp.					GJ-104	1	Spacer, Armature Shaft				
GEO-1007	1	Coil Assy., Field, Left					X-260	1	Key, Woodruff, #5				
GAL-298	1	Lead Assy.					X-864	1	Washer, Lock, Arm. Shaft, .669				
X-755	1	Terminal					Drive End Head Assembly & Parts Used With						
X-1425	1	Terminal					GAM-1110	1	Head Assy., Drive End				
X-976	1	Terminal					GAM-34	1	Retainer, Felt Washer, Outer				
GEO-1008A	1	Coil Assy., Field, Right					GAM-110	1	Head				
X-959	1	Terminal					GAR-63	1	Retainer, Felt Washer, Inner				
GK-38	2	Screw, Pole Shoe					GAR-64	1	Retainer, Bearing				
MN-21	2	Pin, Dowel, Head Locating					GG-164	2	Washer, Felt				
8X-140	1	Nut, Field Ground, Hex., #6-32					X-196	3	Washer, Lock, Retainer Screw, #10				
X-194	1	Washer, Lock, Field Ground, #6					8X-311	3	Screw, Retainer, Rd. hd., #10-32x3/8				
8X-1008	1	Screw, Field Ground, Rd. hd., #6-32x9/16					X-441	1	Bearing, Ball, Shielded, S.A.E. #203				
GK-20	2	Bolt, Thru					X-489	1	Oiler, Hinge Top, Press in, 1/4				
X-199	2	Washer, Lock, Thru Bolt, 1/4					Miscellaneous Parts						
Comm. End Head Assembly & Parts Used With						CB-4014	1	Relay Assy., Cutout					
(GCJ-2087)	1	Head Assy., Comm. End					CB-123	1	Spring, Armature				
GAR-73	1	Wick, Felt					CB-160S	1	Cover				
GAR-98A	1	Cover, Wick					PX-55	1	Screw, Arm. Term., Bdg. hd., #10-32x3/16				
GBW-69	1	Gasket, Comm. End Cover					X-196	2	Washer, Lock, Term. Sc., #10				
GBW-72	1	Oil Guard					8X-312	1	Screw, Bat. Term., Rd. hd., #10-32x1/4				
GBW-73	1	Gasket, Oil Guard					GBW-24B	1	Band, Cover				
GBW-1068	1	Cover, Comm. End					X-196	2	Washer, Lock, Cutout Relay Mtg., #10				
GCJ-51	1	Spring, Retaining, 3rd Brush Plate					8X-321	2	Screw, Mtg., Cutout Relay, Rd. hd., #10-32x5/16				
GCJ-1014	1	Plate Assy., 3rd Brush					8X-715	1	Screw, Cover Band, Rd. hd., #10-32x1 1/4				
GBW-45	1	Spring, Brush					8X-794	1	Nut, Cover Band, Square, #10-32				
GCJ-26	1	Arm, Brush							1	2	3	4	5
GCJ-1087A	1	Head Assy., Partial, C.E.					(Issued 5-25-44)						
GBF-79	1	Bearing, Absorbent Bronze											
GBW-45	1	Spring, Brush											
GCJ-26	1	Arm, Brush											
GCJ-1023R	1	Holder Assy., Brush Grounded											
GBW-45	1	Spring, Brush											
GCJ-26	1	Arm, Brush											
X-195	2	Washer, Lock, #8											
8X-304	2	Screw, Rd. hd., #8-32x5/16											
GDF-1012‡	2	Brush, Main											
GDF-1013‡	1	Brush, Third											
X-195	4	Washer, Lock, Cover Sc., #8											
8X-311	1	Screw, Retaining, Brush Plate, Rd. hd., #10-32x3/8											
8X-888	4	Screw, Cover, Fil. hd., #8-32x5/16											
X-195	3	Washer, Lock, Brush Lead, #8											
8X-1507	3	Screw, Brush Lead, Bdg. hd., #8-32x1/4											
		1	2	3	4	5							

‡ Brush Set, Service, 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."

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GFA-4820 GENERATOR ILLUSTRATION

# ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GFA-4821-2 GENERATOR PARTS LIST

GFA-4821-2

Frame & Field Assembly & Parts Used With			Comm. End Head Assembly & Parts (Cont'd.)		
Part No.	No. Used	Name of Part	Part No.	No. Used	Name of Part
(GEO-2071)	1	Frame & Field Assy.	12X-195	3	Lockwasher, Br. Lead Sc., #8
GAL-44	1	Insulation, Field Connection	8X-1507	3	Screw, Brush Lead, Bdg. Hd. #8-32x1/4
GAR-211	1	Bushing, Insulating	<u>Armature Assembly &amp; Parts Used With</u>		
GEO-1005	1	COIL ASSY., FIELD, COMPLETE	DG-1144	1	Oil Thrower
GEO-1007	1	Coil Assy., Field, Left	GEJ-2116F	1	ARMATURE
GAL-298	1	Lead Assembly	X-258	1	Key, Woodruff, #3
X-755	1	Terminal	X-358	1	Washer, Plain, Arm. Shaft, 1/2
X-1425	1	Terminal	X-404	1	Pin, Cotter
X-976	1	Terminal	X-835	1	Nut, Arm. Shaft, Slotted 1/2-20
GEO-1008	1	Coil Assy., Field, Right	<u>Drive End Head Assembly &amp; Parts Used With</u>		
X-767	1	Terminal	GAR-1192	1	Head Assy., Drive End
GK-38	2	Screw, Pole Shoe	GAE-47	1	Retainer, Bearing
MN-21	2	Pin, Dowel	GAR-192	1	Head, Drive End
GT-20A	2	Bolt, Thru	8X-66	3	Screw, Retainer, Flat Hd. #10-32x1/2
12X-199	2	Lockwasher, Thru Bolt, 1/4	X-378	1	BEARING, BALL, SHIELDED, S.A.E. #204
<u>Comm. End Head Assembly &amp; Parts Used With</u>			X-1621	3	Washer, Retainer Sc., Skpf. #10
GCJ-2086A	1	Head Assy., Comm. End	<u>Miscellaneous Parts</u>		
GAR-73	1	Wick, Felt	GBW-24B	1	Band, Cover
GAR-98A	1	Cover, Wick	TC-4302A	1	REGULATOR, TWO CHARGE
GBW-69	1	Gasket, C.E. Cover	12X-196	4	Lockwasher, Reg. Mtg. Sc., #10
GBW-72	1	Oil Guard	8X-321	4	Screw, Regulator Mtg., Rd. Hd. #10-32x5/16
GBW-73	1	Gasket, Oil Guard	8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
GBW-1068	1	Cover, Comm. End	8X-794	1	Nut, Cover Band, Square #10-32
GCJ-51	1	Spring, Retaining, 3rd Br. Plate	† BRUSH SET, SERVICE GDF-2012S.		
GCJ-1014	1	Plate Assy., 3rd Brush			
GBW-45	1	Spring, Brush			
GCJ-26	1	Arm, Brush			
GCJ-1086C	1	Head Assy., Partial, C.E.			
GBF-79	1	BEARING, ABS. BRONZE			
GBW-45	1	Spring, Ins. Brush			
GCJ-26	1	Arm. Ins. Brush			
GCJ-1023R	1	Holder Assy., Brush, Grounded			
GBW-45	1	Spring, Brush			
GCJ-26	1	Arm, Brush			
X-195	2	Lockwasher, Holder Screw, #8			
8X-304	2	Screw, Br. Holder, Rd. Hd. #8-32x5/16			
GDF-1012†	2	Brush, Main			
GDF-1013†	1	Brush, Third			
X-195	4	Lockwasher, Cover Sc., #8			
8X-311	1	Screw, Retaining Spring, Rd. Hd. #10-32x3/8			
8X-888	4	Screw, Cover, Fill. Hd. #8-32x5/16			

UNIT	APPLICATION
GFA-4821-2	Hercules

(Issued 4-13-50)

Printed in U. S. A.

File in  
Equipment & Parts List Binder

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







# ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GFA-4824-2 GENERATOR PARTS LIST

GFA-4824-2

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				
(GEO-2074)	1	Frame & Field Assy.	GAG-1166	1	Oil Thrower				
GAL-44	1	Insulation, Field Connection	GEJ-2104F	1	ARMATURE ASSY.				
GAR-211	1	Bushing, Insulating	GAR-171	1	Snap Ring				
GEO-1005	1	COIL ASSY., FIELD, COMPLETE	X-257	1	Key, Woodruff, #2				
GEO-1007	1	Coil Assy., Field, Left	X-261	1	Key, Woodruff, #6				
GAL-298	1	Lead Assy.	Drive End Head Assembly & Parts Used With						
X-755	1	Terminal	GFA-1003A	1	Head Assy., Drive End				
X-1425	1	Terminal	GAR-95	1	Washer, Felt				
X-976	1	Terminal	GFA-3A	1	Head, Drive End				
GEO-1008	1	Coil Assy., Field, Right	GX-9	1	Retainer, Bearing				
X-767	1	Terminal	GX-10	1	Gasket Brg. Retainer				
GK-38	2	Pole, Shoe Screw	X-196	3	Lockwasher Sc., #10 Retainer				
MN-21	2	Pin, Dowel	8X-311	3	Screw, Brg. Retainer, Rd. Hd. #10-32x3/8				
GK-20A	2	Bolt, Thru	X-378	1	BEARING, BALL, SHIELDED, S.A.E. #204				
12X-199	2	Lockwasher, Thru Bolt, 1/4	Dist. Mounting Housing & Parts Used With						
Comm. End Head Assembly & Parts Used With			GAG-58	1	Dist. Mounting Housing Clamp				
DA-39	3	Washer, Plain, Felt Retaining	GAG-59	1	Dist. Mounting Housing				
DA-70	1	Nut, Arm. Shaft	GE-21	1	GEAR, DIST., DRIVER				
DA-132	1	Washer, Felt, C.E. Outer	SW-213	1	Rivet, Gear				
GCJ-2118	1	Head Assy., Comm. End	8X-53	1	Screw, Dist. Housing Clamp, Rd. Hd. #8-32x5/8				
GCJ-51	1	Spring, Retaining, 3rd Brush Plate	8X-119	3	Screw, Dist. Housing, Fill. Hd. #10-32x1/2				
GCJ-1014	1	Plate Assy., 3rd. Brush	8X-141	1	Nut, Clamp Sc., Hex. #8-32				
GBW-45	1	Spring, Brush	12X-196	3	Lockwasher, Housing Sc., #10				
GCJ-26	1	Arm, Brush	X-382	1	Cup, Grease, 1/8 Pipe				
GCJ-1118	1	Head Assy., Partial C.E.	X-489	1	Oiler				
GBW-45	1	Spring, Brush	Miscellaneous Parts						
GCJ-26	1	Arm, Brush	GBW-24B	1	Band, Cover				
GCJ-1023R	1	Holder, Assy., Brush, Grounded	TC-4301F	1	REGULATOR, TWO CHARGE				
GBW-45	1	Spring, Brush	12X-196	4	Lockwasher, Reg. Mtg. Sc., #10				
GCJ-26	1	Arm, Brush	8X-321	4	Screw, Regulator Mtg., Rd. Hd. #10-32x5/16				
X-195	2	Lockwasher, Holder Sc., #8	X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2				
8X-304	2	Screw, Brush Holder, Rd. Hd. #8-32x5/16	8X-794	1	Nut, Cover Band, Square #10-32				
GDF-1012 †	2	Brush, Main	† BRUSH SET, SERVICE GDF-2012S.						
GDF-1013 †	1	Brush, Third	<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;">GFA-4824-2</td> <td style="padding: 5px;">Universal</td> </tr> </table>			UNIT	APPLICATION	GFA-4824-2	Universal
UNIT	APPLICATION								
GFA-4824-2	Universal								
8X-311	1	Screw, Retaining Spring, Rd. Hd. #10-32x3/8							
GR-32	1	Retainer, Felt Washer							
GR-35	1	Washer, Felt							
12X-195	3	Lockwasher, Brush Lead Sc., #8							
X-295	1	BEARING, BALL, S.A.E. #203							
X-489	1	Oiler							
8X-1507	3	Screw, Brush Lead, Bdg. Hd. #8-32x1/4							

(Issued 6-3-49)

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

GFA-4825-2 GENERATOR PARTS LIST

GFA-4825-2

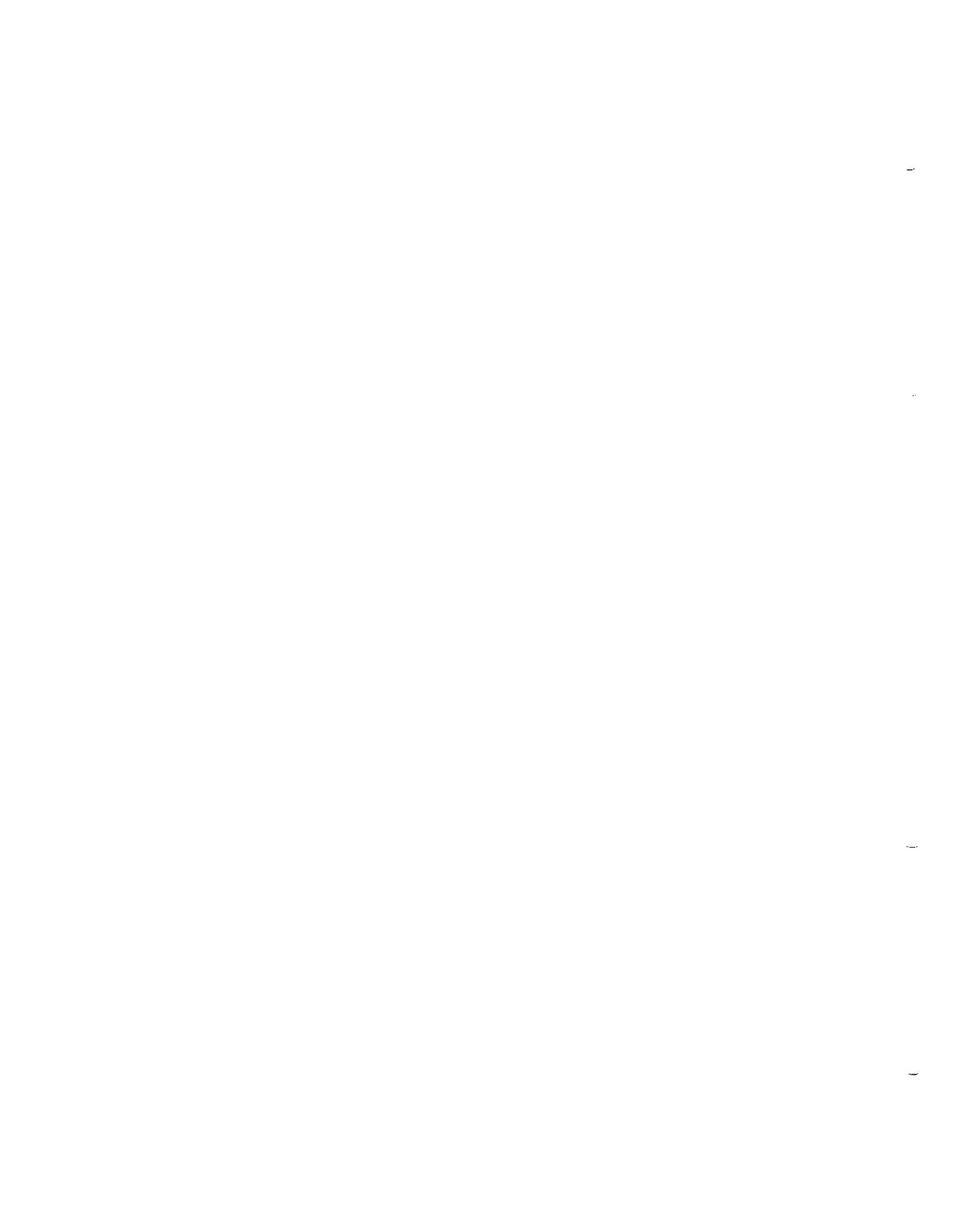
Frame & Field Assembly & Parts Used With			Armature Assembly & Parts Used With						
Part No.	No. Used	Name of Part	Part No.	No. Used	Name of Part				
(GEO-2076)	1	Frame & Field Assy.	GAG-1166	1	Oil Thrower				
GAL-44	1	Insulation, Field Connection	GEJ-2104F	1	ARMATURE ASSY.				
GAR-211	1	Bushing, Insulating	GAR-171	1	Snap Ring				
GEO-1005G	1	COIL ASSY., FIELD COMPLETE	X-257	1	Key, Woodruff, #2				
GEO-1007	1	Coil Assy., Field, Left	X-261	1	Key, Woodruff, #6				
GAL-298	1	Lead Assy.	<b>Drive End Head Assembly &amp; Parts Used With</b>						
X-755	1	Terminal	GFA-1003	1	Head Assy., Drive End				
X-1425	1	Terminal	GAR-95	1	Washer, Felt				
X-976	1	Terminal	GFA-3	1	Head, Drive End				
GEO-1008G	1	Coil Assy., Field Right	GX-9	1	Retainer, Bearing				
X-767	1	Terminal	GX-10	1	Gasket, Brg. Retainer				
GK-38	2	Screw, Pole Shoe	X-196	3	Lockwasher, Retainer Sc., #10				
MN-21	2	Pin, Dowel	8X-311	3	Screw, Brg. Retainer Rd. Hd. #10-32x3/8				
GK-20A	2	Bolt, Thru	X-378	1	BEARING, BALL, SHIELDED, S.A.E. #204				
12X-199	2	Lockwasher, Thru Bolt, 1/4	<b>Dist. Mounting Housing &amp; Parts Used With</b>						
<b>Comm. End Head Assembly &amp; Parts Used With</b>			GAG-58	1	Dist. Mounting Housing Clamp				
DA-39	3	Washer, Plain, Felt Retaining	GAG-101	1	Dist. Mounting Housing				
DA-70	1	Nut, Arm. Shaft	GE-25	1	GEAR, DIST., DRIVE				
DA-132	1	Washer, Felt, C.E. Outer	SW-213	1	Rivet, Gear				
GCJ-2076	1	Head Assy., Comm. End	8X-53	1	Screw, Dist. Housing Clamp, Rd. Hd. #8-32x5/8				
GCJ-51	1	Spring, Retaining, 3rd Brush Plate	8X-119	3	Screw, Dist. Housing, Fill. Hd. #10-32x1/2				
GCJ-1014	1	Plate Assy., 3rd. Brush	8X-141	1	Nut, Clamp Sc., Hex. #8-32				
GBW-45	1	Spring, Brush	12X-196	3	Lockwasher, Housing Sc. #10				
GCJ-26	1	Arm, Brush	X-382	1	Cup, Grease, 1/8 Pipe				
GCJ-1076	1	Head Assy., Partial, C.E.	X-489	1	Oiler				
GBW-45	1	Spring, Brush	<b>Miscellaneous Parts</b>						
GCJ-26	1	Arm, Brush	GBW-24B	1	Band, Cover				
GCJ-1023R	1	Holder, Assy., Brush, Grounded	TC-4301F	1	REGULATOR, TWO CHARGE				
GBW-45	1	Spring, Brush	12X-196	4	Lockwasher, Reg. Mtg. Sc., #10				
X-195	2	Lockwasher, Holder Sc., #8	8X-321	4	Screw, Regulator Mtg., Rd. Hd. #10-32x5/16				
8X-304	2	Screw, Brush Holder, Rd. Hd. #8-32x5/16	8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2				
GDF-1012 †	2	Brush, Main	8X-794	1	Nut, Cover Band, Square #10-32				
GDF-1013 †	1	Brush, Third	† BRUSH SET, SERVICE GDF-2012S.						
8X-311	1	Screw, Retaining Spring, Rd. Hd. #10-32x3/8	<table border="1" style="margin: auto; border-collapse: collapse;"> <tr> <th style="padding: 5px;">UNIT</th> <th style="padding: 5px;">APPLICATION</th> </tr> <tr> <td style="text-align: center; padding: 5px;">GFA-4825-2</td> <td style="text-align: center; padding: 5px;">Universal</td> </tr> </table>			UNIT	APPLICATION	GFA-4825-2	Universal
UNIT	APPLICATION								
GFA-4825-2	Universal								
GR-32	1	Retainer, Felt Washer							
GR-35	1	Washer, Felt							
12X-195	3	Lockwasher, Brush Lead Sc., #8							
X-295	1	BEARING, BALL, S.A.E. #203							
X-489	1	Oiler							
8X-1507	3	Screw, Brush Lead, Bdg. Hd. #8-32x1/4							

(Issued 6-3-49)

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# ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GFA-4826-2 GENERATOR PARTS LIST

GFA-4826-2

## Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GEO-3079)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GAR-211	1	Bushing, Insulation
GEO-2005A	1	COIL ASSY., FIELD, COMP.
GEO-2007	1	Coil Assy., Field, Left
X-976	1	Terminal
GEO-2008A	1	Coil Assy., Field, Right
GAL-298	1	Lead Assy., C.B.
X-755	1	Terminal
X-1425	1	Terminal
X-767	1	Terminal
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
GT-20A	2	Bolt, Thru
12X-199	2	Lockwasher, Thru Bolt, 1/4

## Comm. End Head Assembly & Parts Used With

GCJ-3085A	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBW-69	1	Gasket, Comm. End Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Retaining
GBW-1068	1	Cover, Comm. End
GCJ-51	1	Spring, Retaining, 3rd. Brush Plate
GCJ-1014L	1	Plate Assy., 3rd Brush
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1085C	1	Head Assy., Partial, Comm. End
GBF-79	1	BEARING, ABS. BRONZE
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1023L	1	Holder Assy., Brush Grounded
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
X-195	2	Lockwasher, #8
8X-304	2	Screw, Rd. Hd., #8-32x5/16
GDF-1012 †	2	Brush, Main
GDF-1013 †	1	Brush, Third
X-195	4	Lockwasher, Cover Screw, #8
8X-311	1	Screw, Rd. Hd., #10-32x3/8
8X-888	4	Screw, C.E. Cover, Fill. Hd., #8-32x5/16
12X-195	3	Lockwasher, Brush Lead Sc., #8
8X-1507	3	Screw, Brush Lead, Bdg. Hd. #8-32x1/4

## Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
GAR-1177	1	Oil Thrower
GEJ-2091F	1	ARMATURE
X-156	1	Nut, Shaft, Castellated 1/2-20
X-263	1	Key, Woodruff, #8
X-358	1	Washer, Shaft, Plain 1/2
X-404	1	Pin, Cotter, 3/32x1

## Drive End Head Assembly & Parts Used With

GFA-1036	1	Head Assy., Drive End
GAR-95	1	Washer, Felt
GFA-36	1	Head
GX-9	1	Retainer, Bearing
GX-10	1	Gasket, Brg. Retainer
12X-196	3	Lockwasher, Brg. Retaining Screw #10
8X-311	3	Screw, Brg. Retaining, Rd. Hd., #10-32x3/8
X-378	1	BEARING, BALL, SHIELDED S. A. E. #204

## Miscellaneous Parts

GBW-24B	1	Band, Cover
TC-4327E	1	REGULATOR, TWO CHARGE
12X-196	4	Lockwasher, Regulator Mtg., #10
8X-321	4	Screw, Regulator Mtg., Rd. Hd. #10-32x5/16
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GDF-2012S.

UNIT	APPLICATION
GFA-4826-2	Lathrop Star Marine

(Issued 8-24-48)

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# ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GFA-4830-2 GENERATOR PARTS LIST

GFA-4830-2

## Frame & Field Assembly & Parts Used With

Part No.	No. Used	Name of Part
(GEO-2056A)	1	Frame & Field Assy.
GAG-125S	1	Bracket, Gen., Mtg.
GAL-44	1	Insulation, Field Connection
GAR-211	1	Bushing, Insulating
GEO-1005	1	Coil Assy., Field, Complete
GEO-1007	1	Coil Assy., Field, Left
GAL-298	1	Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GEO-1008	1	Coil Assy., Field, Right
X-767	1	Terminal
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
X-113	2	Screw, Bracket, Hex. Hd. 5/16-24x5/8
12X-200	2	Lockwasher, Bracket Sc., 5/16
GK-20A	2	Bolt, Thru
12X-199	2	Lockwasher, Thru Bolt, 1/4

## Comm. End Head Assembly & Parts Used With

DA-39	2	Washer, Plain, Felt Retaining
DA-70	1	Nut, Armature Shaft
DJ-10	1	Gasket, C.E. Cover
GAG-53	1	Cover, Comm. End
GCJ-2076	1	Head Assy., Comm. End
GCJ-51	1	Spring, Retaining, 3rd. Brush Plate
GCJ-1014	1	Plate Assy., 3rd Brush
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1076	1	Head Assy., Partial, C.E.
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1023R	1	Holder Assy., Brush, Grounded
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
X-195	2	Lockwasher, Brush Holder #8
8X-304	2	Screw, Brush Holder, Rd. Hd. #8-32x5/16
GDF-1012†	2	Brush, Main
GDF-1013†	1	Brush, Third
8X-311	1	Screw, Retaining Spring, Rd. Hd. #10-32x3/8
GR-32	1	Retainer, Felt Washer
GR-35	2	Washer, Felt
12X-195	3	Lockwasher, Brush Lead Sc., #8

## Comm. End Head Assembly (Continued)

Part No.	No. Used	Name of Part
X-295	1	Bearing, Ball, S.A.E. #203
X-489	1	Oiler, Hinge Top, Press in, 1/4
12X-544	3	Lockwasher, Cover Screw, #10
8X-870	3	Screw, Cover, Fill. Hd. #10-32x5/16
8X-1507	3	Screw, Brush Lead, Bdg. Hd. #8-32x1/4
<b>Armature Assy. &amp; Parts Used With</b>		
GEJ-2090F	1	Armature Assy.
GAR-171	2	Snap Ring
GJ-104	1	Spacer, Arm. Shaft
GJ-179	1	Washer, Arm. Shaft Plain
X-160	1	Nut, Shaft, Hex. 7/16-20
12X-205	1	Lockwasher, Shaft, 7/16
X-261	2	Key, Woodruff, #6

## Drive End Head Assembly & Parts Used With

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

## Miscellaneous Parts

GBW-24B	1	Band, Cover
TC-4301D	1	Regulator, Two Charge
12X-196	4	Lockwasher, Regulator Mtg. Sc., #10
8X-321	4	Screw, Regulator Mtg., Rd. Hd. #10-32x5/16
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† Brush Set, Service GDF-2012S.

UNIT	APPLICATION
GFA-4830-2	Buda, American La France

(Issued 7-12-48)

Printed in U.S.A.

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# ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GFA-4831-2 GENERATOR PARTS LIST:

GFA-4831-2

Frame & Field Assembly & Parts Used With			Comm. End Head Assembly & Parts (Con't.)		
Part No.	No. Used	Name of Part	Part No.	No. Used	Name of Part
(GEO-2071)	1	Frame & Field Assy.	12X-195	3	Lockwasher, Brush Lead Sc., #8
GAL-44	1	Insulation, Field Connection	8X-1507	3	Screw, Brush Lead, Bdg. Hd. #8-32x1/4
GAR-211	1	Bushing, Insulating	<u>Armature Assembly &amp; Parts Used With</u>		
GEO-1005	1	COIL ASSY., FIELD, COMP.	DG-1144	1	Oil Thrower
GEO-1007	1	Coil Assy., Field, Left	GEJ-2116F	1	ARMATURE
GAL-298	1	Lead Assy., C.B.	X-258	1	Key, Woodruff, C.E. #3
X-755	1	Terminal	X-358	1	Washer, Shaft, D.E. Plain 1/2
X-1425	1	Terminal	X-404	1	Pin, Cotter, 3/32x1
X-976	1	Terminal	X-835	1	Nut, Shaft, D.E., Slotted 1/2-20
GEO-1008	1	Coil Assy., Field, Right	<u>Drive End Head Assembly &amp; Parts Used With</u>		
X-767	1	Terminal	GAR-1192	1	Head Assy., Drive End
GK-38	2	Screw, Pole Shoe	GAE-47	1	Retainer, Bearing
MN-21	2	Pin, Dowel, Head Locating	GAR-192	1	Head
GT-20A	2	Bolt, Thru	8X-66	3	Screw, Retainer, Flat Hd. #10-32x1/2
12X-199	2	Lockwasher, Thru Bolt, 1/4	X-378	1	BEARING, BALL, SHIELDED S.A.E. #204
<u>Comm. End Head Assembly &amp; Parts Used With</u>			X-1621	3	Washer, Retainer Sc., Skpf.#10
GCJ-2086A	1	Head Assy., Comm. End	<u>Miscellaneous Parts</u>		
GAR-73	1	Wick, Felt	GBW-24B	1	Band, Cover
GAR-98A	1	Cover, Wick	TC-4301C	1	REGULATOR, TWO CHARGE
GBW-69	1	Gasket, Comm. End Cover	12X-196	4	Lockwasher, Regulator Mtg., #10
GBW-72	1	Oil Guard	8X-321	4	Screw, Reg. Mtg., Rd. Hd. #10-32x5/16
GBW-73	1	Gasket, Oil Retaining	8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
GBW-1068	1	Cover, Comm. End	8X-794	1	Nut, Cover Band, Square #10-32
GCJ-51	1	Spring, Retaining, 3rd Brush Plate	† BRUSH SET, SERVICE GDF-2012S.		
GCJ-1014	1	Plate Assy., 3rd Brush			
GBW-45	1	Spring, Brush			
GCJ-26	1	Arm, Brush			
GCJ-1086C	1	Head Assy., Partial, C.E.			
GBF-79	1	BEARING, ABSORBENT BRONZE			
GBW-45	1	Spring, Brush			
GCJ-26	1	Arm, Brush			
GCJ-1023R	1	Holder Assy., Brush Grounded			
GBW-45	1	Spring, Brush			
GCJ-26	1	Arm, Brush			
X-195	2	Lockwasher, Brush Holder #8			
8X-304	2	Screw, Rd. Hd. #8-32x5/16			
GDF-1012 †	2	Brush, Main			
GDF-1013 †	1	Brush, Third			
X-195	4	Lockwasher, C.E. Cover, #8			
8X-311	1	Screw, Retain Spring, Rd. Hd. #10-32x3/8			
8X-888	4	Screw, C.E. Cover, Fill Hd. #8-32x5/16			

UNIT	APPLICATION
GFA-4831-2	Chicago Pneumatic Tool

(Issued 8-24-48)

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# ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GFA-4832-2 GENERATOR PARTS LIST

GFA-4832-2

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
(GEO-3086)	1	Frame & Field Assy.	GEJ-2055F	1	ARMATURE ASSY.
GAL-44	1	Insulation, Field Connection	GAR-171	1	Snap Ring
GAR-211	1	Bushing, Lead Ins.	GJ-104	1	Spacer, Arm. Shaft
GEO-2005A	1	COIL ASSY., FIELD, COMPLETE	GJ-179	1	Washer, Arm. Shaft, Plain
GEO-2007	1	Coil Assy., Field, Left	X-160	1	Nut, Shaft, D.E., Hex. 7/16-20
X-976	1	Terminal	12X-205	1	Lockwasher, Shaft, D.E., 7/16
GEO-2008A	1	Coil Assy., Field, Right	X-261	1	Key, Woodruff, #6
GAL-298	1	Lead Assembly	Drive End Head Assembly & Parts Used With		
X-755	1	Terminal	GCZ-1003A	1	Head Assy., Drive End
X-1425	1	Terminal	GCZ-3A	1	Head, Drive End
X-767	1	Terminal	GG-6	2	Retainer, Bearing
GK-38	2	Screw, Pole Shoe	GG-164	1	Washer, Felt
MN-21	2	Pin, Dowel	GK-176	1	Retainer, Felt Washer
GK-20A	2	Bolt, Thru	8X-173	3	Nut, Retainer Sc., Hex. #10-32
12X-199	2	Lockwasher, Thru Bolt, 1/4	X-196	3	Lockwasher, Retainer Sc., #10
Comm. End Head Assembly & Parts Used With			X-295	1	BEARING, BALL, S.A.E. #203
GCJ-3085A	1	Head Assy., Comm. End	8X-316	3	Screw, Retainer, Rd. Hd. #10-32x3/4
GAR-73	1	Wick, Felt	X-489	1	Oiler
GAR-98A	1	Cover, Wick	Miscellaneous Parts		
GBW-69	1	Gasket, C.E. Cover	GBW-24B	1	Band, Cover
GBW-72	1	Oil Guard	TC-4327E	1	REGULATOR, TWO CHARGE
GBW-73	1	Gasket, Oil Guard	12X-196	4	Lockwasher, Reg. Mtg. Sc., #10
GBW-1068	1	Cover, Comm. End	8X-321	4	Screw, Reg. Mtg., Rd. Hd. #10-32x5/16
GCJ-51	1	Spring, Retaining, 3rd. Brush Plate	8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
GCJ-1014L	1	Plate Assy., 3rd. Brush	8X-794	1	Nut, Cover Band, Square #10-32
GBW-45	1	Spring, Brush	† BRUSH SET, SERVICE GDF-2012S.		
GCJ-26	1	Arm, Brush			
GCJ-1085C	1	Head Assy., Partial, C.E.			
GBF-79	1	BEARING, ABS. BRONZE			
GBW-45	1	Spring, Brush			
GCJ-26	1	Arm, Brush			
GCJ-1023L	1	Holder Assy., Brush, Grounded			
GBW-45	1	Spring, Brush			
GCJ-26	1	Arm, Brush			
12X-195	2	Lockwasher, Holder Sc., #8			
8X-304	2	Screw, Br. Holder, Rd. Hd. #8-32x5/16			
GDF-1012†	2	Brush, Main			
GDF-1013†	1	Brush, Third			
12X-195	4	Lockwasher, Cover Screw, #8			
8X-311	1	Screw, Retaining Spring, Rd. Hd. #10-32x3/8			
8X-888	4	Screw, Cover, Fill. Hd. #8-32x5/16			
12X-195	3	Lockwasher, Brush Lead Sc., #8			
8X-1507	3	Screw, Brush Lead, Bdg. Hd. #8-32x1/4			

UNIT	APPLICATION
GFA-4832-2	Palmer Bros.

(Issued 4-4-50)

Printed in U. S. A.

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# ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GFA-4833-2 GENERATOR PARTS LIST

GFA-4833-2

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				
(GEO-3086A)	1	Frame & Field Assy.	8X-311	1	Screw, Retaining Spring, Rd. Hd. #10-32x3/8				
GAG-125S	1	Bracket, Mounting	8X-888	4	Screw, Cover, Fill. Hd. #8-32x5/16				
GAL-44	1	Insulation, Field Connection	12X-195	3	Lockwasher, Brush Lead Sc., #8				
GAR-211	1	Bushing, Lead Ins.	8X-1507	3	Screw, Brush Lead, Bdg. Hd. #8-32x1/4				
GEO-2005A	1	COIL ASSY., FIELD, COMPLETE	<b>Armature Assembly &amp; Parts Used With</b>						
GEO-2007	1	Coil Assy., Field, Left	GEJ-2055F	1	ARMATURE ASSY.				
X-976	1	Terminal	GAR-171	1	Snap Ring				
GEO-2008A	1	Coil Assy., Field, Right	GJ-104	1	Spacer, Arm. Shaft				
GAL-298	1	Lead Assembly	GJ-179	1	Washer, Arm. Shaft, Plain				
X-755	1	Terminal	X-160	1	Nut, Shaft, D.E., Hex. 7/16-20				
X-1425	1	Terminal	12X-205	1	Lockwasher, Shaft, D.E., 7/16				
X-767	1	Terminal	X-261	1	Key, Woodruff, #6				
GK-38	2	Screw, Pole Shoe	<b>Drive End Head Assembly &amp; Parts Used With</b>						
MN-21	2	Pin, Dowel	GCZ-1003A	1	Head Assy., Drive End				
X-113	2	Screw, Mtg. Bracket, Hex. Hd. 5/16-24	GCZ-3A	1	Head, Drive End				
12X-200	2	Lockwasher, Bracket Sc., 5/16	GG-6	2	Retainer, Bearing				
GK-20	2	Bolt, Thru	GG-164	1	Washer, Felt				
12X-199	2	Lockwasher, Thru Bolt, 1/4	GK-176	1	Retainer, Felt Washer				
<b>Comm. End Head Assembly &amp; Parts Used With</b>			8X-173	3	Nut, Retainer Screw, Hex. #10-32				
GCJ-3085A	1	Head Assy., Comm. End	X-196	3	Lockwasher, Retainer Screw, #10				
GAR-73	1	Wick, Felt	X-295	1	BEARING, BALL, S.A.E. #203				
GAR-98A	1	Cover, Wick	8X-316	3	Screw, Retainer, Rd. Hd. #10-32x3/4				
GBW-69	1	Gasket, C.E. Cover	X-489	1	Oiler				
GBW-72	1	Oil Guard	<b>Miscellaneous Parts</b>						
GBW-73	1	Gasket, Oil Retaining	GCS-1024	1	Band, Cover				
GBW-1068	1	Cover, Comm. End	TC-4301D	1	REGULATOR, TWO CHARGE				
GCJ-51	1	Spring, Retaining, 3rd Brush Plate	12X-196	4	Lockwasher, Reg. Mtg. Sc., #10				
GCJ-1014L	1	Plate Assy., 3rd. Brush	8X-321	4	Screw, Reg. Mtg., Rd. Hd. #10-32x5/16				
GBW-45	1	Spring, Brush	8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2				
GCJ-26	1	Arm, Brush	8X-794	1	Nut, Cover Band, Square #10-32				
GCJ-1085C	1	Head Assy., Partial, C.E.	† BRUSH SET, SERVICE GDF-2012S.						
GBF-79	1	BEARING, ABS. BRONZE	<table border="1" style="margin: auto; border-collapse: collapse;"> <thead> <tr> <th style="padding: 5px;">UNIT</th> <th style="padding: 5px;">APPLICATION</th> </tr> </thead> <tbody> <tr> <td style="text-align: center; padding: 5px;">GFA-4833-2</td> <td style="text-align: center; padding: 5px;">Buda</td> </tr> </tbody> </table>			UNIT	APPLICATION	GFA-4833-2	Buda
UNIT	APPLICATION								
GFA-4833-2	Buda								
GBW-45	1	Spring, Brush							
GCJ-26	1	Arm, Brush							
X-195	2	Lockwasher, Holder Sc., #8							
8X-304	2	Screw, Br. Holder, Rd. Hd. #8-32x5/16							
GDF-1012 †	2	Brush, Main							
GDF-1013 †	1	Brush, Third							
X-195	4	Lockwasher, Cover Screw, #8							

(Issued 6-28-49)

Printed in U. S. A.

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# ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GFA-4834-2 GENERATOR PARTS LIST

GFA-4834-2

Frame & Field Assembly & Parts Used With		
Part No.	No. Used	Name of Part
(GEO-2088)	1	Frame & Field Assy.
GAL-44	1	Insulation, Field Connection
GAR-211	1	Bushing, Lead Ins.
GEO-1005C	1	COIL ASSY., FIELD, COMPLETE
GEO-1007B	1	Coil Assy., Field, Left
GAL-266	1	Lead Assy.
X-755	1	Terminal
X-1425	1	Terminal
X-976	1	Terminal
GEO-1008C	1	Coil Assy., Field, Right
X-767	1	Terminal
GK-38	2	Screw, Pole Shoe
MN-21	2	Pin, Dowel
GT-20A	2	Bolt, Thru
12X-199	2	Lockwasher, Thru Bolt, 1/4
Comm. End Head Assembly & Parts Used With		
GCJ-2086A	1	Head Assy., Comm. End
GAR-73	1	Wick, Felt
GAR-98A	1	Cover, Wick
GBW-69	1	Gasket, C.E. Cover
GBW-72	1	Oil Guard
GBW-73	1	Gasket, Oil Guard
GBW-1068	1	Cover, Comm. End
GCJ-51	1	Spring, Retaining, 3rd. Brush Plate
GCJ-1014	1	Plate Assy., 3rd. Brush
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1086C	1	Head Assy., Partial, C.E.
GBF-79	1	BEARING, ABS. BRONZE
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
GCJ-1023R	1	Holder Assy., Brush, Grounded
GBW-45	1	Spring, Brush
GCJ-26	1	Arm, Brush
12X-195	2	Lockwasher, Holder Sc. #8
8X-304	2	Screw, Brush Holder, Rd. Hd. #8-32x5/16
GDF-1012†	2	Brush, Main
GDF-1013†	1	Brush, Third
12X-195	4	Lockwasher, Cover Sc., #8
8X-311	1	Screw, Retaining Spring, Rd. Hd. #10-32x3/8
8X-888	4	Screw, Cover, Fill. Hd. #8-32x5/16
12X-195	3	Lockwasher, Brush Lead Sc., #8
8X-1507	3	Screw, Brush Lead, Bdg. Hd. #8-32x1/4

Armature Assembly & Parts Used With		
Part No.	No. Used	Name of Part
GAR-1177	1	Oil Thrower
GEJ-2091F	1	ARMATURE
X-156	1	Nut, Shaft, D.E., Castellated 1/2-20
X-263	1	Key, Woodruff, #8
X-358	1	Washer, Shaft, D.E., Plain 1/2
X-404	1	Pin, Cotter

Drive End Head Assembly & Parts Used With		
GAR-1096A	1	Head Assy., Drive End
GAR-95	1	Washer, Felt
GAR-96A	1	Head, Drive End
GX-9	1	Retainer, Bearing
GX-10	1	Gasket
X-196	3	Lockwasher, Retainer Sc., #10
8X-311	3	Screw, Brg. Retainer, Rd. Hd. #10-32x3/8
X-378	1	BEARING, BALL, SHIELDED, S.A.E. #204

### Miscellaneous Parts

GBW-24B	1	Band, Cover
TC-4327E	1	TWO CHARGE REGULATOR
12X-196	4	Lockwasher, Reg. Mtg. Sc., #10
8X-321	4	Screw, Reg. Mtg., Rd. Hd. #10-32x5/16
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

† BRUSH SET, SERVICE GDF-2012S.

UNIT	APPLICATION
GFA-4834-2	Palmer Bros.

(Issued 4-4-50)

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# ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GFA-4835-2 GENERATOR PARTS LIST

GFA-4835-2  
(Issued 11-6-56)

Frame & Field Assy. & Parts Used With			Comm. End Head Assembly (Con't)		
Part No.	No. Used	Name of Part	Part No.	No. Used	Name of Part
GEO-3090	1	Frame & Field Assy.	GBW-45	1	Spring, Brush
GAL-44	1	Insulation, Field Connection	GCJ-26	1	Arm, Brush
GBW-34	1	Washer, Ins., Field Term.	GCJ-1125A	1	Head Assy., Partial, C. E.
GCT-25	1	Bushing, Ins., Arm. Term.	GBF-79	1	BEARING, ABS. BRONZE
GCY-25	1	Bushing, Ins., Field Term.	GBW-45	1	Spring, Brush
GDS-30	1	Lead Assembly	GCJ-26	1	Arm, Brush
GAA-27	1	Stud, Arm. Term., #14-24	GCJ-1023L	1	Holder Assy., Brush Grounded
X-1611	1	Terminal	GBW-45	1	Spring Brush
GDW-44	1	Washer, Ins., Arm Term.	GCJ-26	1	Arm, Brush
GEA-34	1	Insulation, Term. Stud, Inner	12X-195	2	Lockwasher, Holder Sc., #8
GEO-2005F	1	COIL ASSY., FIELD; COMPLETE	8X-304	2	Screw, Br. Holder Rd. Hd. #8-32x5/16
GEB-58	1	Stud, Field Term, #10-32	GGW-52	1	Screw, Spring, Rd. Hd. #10-32x1/2
GEO-1008D	1	Coil, Field, Right	12X-195	4	Lockwasher, Cover Sc., #8
GEO-2007	1	Coil Assy., Field, Left	X-489	1	Oiler
X-976	1	Terminal	8X-888	4	Screw, Cover, Fill. Hd. #8-32x5/16
GK-38	2	Screw, Pole Shoe	GDF-2012S	1	Brush Set, Service
MN-21	2	Pin, Dowel	12X-195	3	Lockwasher, Lead Sc., #8
8X-177	2	Nut, Arm. Term., Hex. #14-24	8X-1507	3	Screw, Brush, Lead, Bdg. Hd. #8-32x1/4
12X-196	2	Lockwasher, Field Term., #10	Armature Assembly & Parts Used With		
12X-199	2	Lockwasher, Arm. Term., 1/4	GAR-1177	1	Oil Thrower
8X-349	1	Washer, Field Term., Plain #10	GEJ-2091F	1	ARMATURE
8X-361	1	Washer, Arm. Term., Plain 1/4	GFY-38	1	Washer, Shaft, D. E. Plain 1/2
8X-1377	2	Nut, Field Term., Hex. #10-32	X-156	1	Nut, Arm, Shaft, D. E.
GT-20A	2	Bolt, Thru	X-263	1	Key, Woodruff, #8
12X-196	1	Lockwasher, Ground Sc. #10	X-404	1	Pin, Cotter
12X-199	2	Lockwasher, Thru Bolt, 1/4	Drive End Head Assembly & Parts Used With		
8X-321	1	Screw, Ground, Rd. Hd. #10-32x5/16	GFA-1036	1	Head Assy., Drive End
Comm. End Head Assembly & Parts Used With			GAR-95	1	Washer, Felt
GCJ-3125S	1	Head Assy., Comm. End	GFA-36	1	Head, Drive End
GAR-73	1	Wick, Felt	GGW-52	3	Screw, Retainer, Rd. Hd. #10-32x3/8
GAR-98A	1	Cover, Wick	GX-9	1	Retainer, Bearing
GBW-30	1	Cover, Comm. End	GX-10	1	Gasket
GBW-69	1	Gasket, C. E. Cover	12X-196	3	Lockwasher, Retainer
GBW-72	1	Oil Guard	X-378	1	BEARING, BALL, SHIELDED, S. A. E. #204
GBW-73	1	Gasket, Oil Guard	(Continued on Reverse Side)		
GCJ-51	1	Spring, Retaining, 3rd. Brush Plate			
GCJ-1014L	1	Plate Assy., 3rd Brush			

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# ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GFA-4835-2 GENERATOR PARTS (Con't)

## Miscellaneous Parts

Part No.	No. Used	Name of Part
GBW-1024LS	1	Band, Cover
8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-794	1	Nut, Cover Band, Square #10-32

NOTE: TC-4326A TWO CHARGE REGULATOR is used with but is not a part of this generator.

UNIT	APPLICATION
GFA-4835-2	Nordberg Mfg. Co.

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# ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

GFA-4837-2 GENERATOR PARTS LIST

GFA-4837-2  
(Issued 5-13-54)

Frame & Field Assembly & Parts Used With			Comm. End Head Assembly (Continued)						
Part No.	No. Used	Name of Part	Part No.	No. Used	Name of Part				
GEO-3042	1	Frame & Field Assembly	GDF-2012S	1	BRUSH SET; SERVICE				
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				
GEO-2005C	1	COIL ASSY., FIELD COMPLETE	<u>Armature Assembly &amp; Parts Used With</u>						
GEO-2007A	1	Coil Assy., Field, Left	GAL-310	1	Spacer, Arm. Shaft				
X-959	1	Terminal	GEJ-2091F	1	ARMATURE				
GEO-2008C	1	Coil Assy., Field, Right	GK-174	1	Washer, Plain 1/2				
GAL-296	1	Lead Assembly	X-156	1	Nut, Arm. Shaft, D. E.				
X-755	1	Terminal	X-263	1	Key, Woodruff, #8				
X-1425	1	Terminal	X-404	1	Pin, Cotter				
X-976	1	Terminal	<u>Drive End Head Assembly &amp; Parts Used With</u>						
GK-38	2	Screw, Pole Shoe	GDF-1003D	1	Head Assy., Drive End				
MN-21	2	Pin, Dowel	DB-17	1	Washer, Felt Retaining				
8X-140	1	Nut, Field Ground, Hex. #6-32	GAR-95	1	Washer, Felt, Inner				
X-194	1	Lockwasher, Ground Screw #6	GBC-25	1	Retainer, Felt Washer, Inner				
8X-1008	1	Screw, Field Ground, Rd. Hd. #6-32x9/16	GDF-3D	1	Head, Drive End				
GK-20A	2	Bolt, Thru	GG-164	1	Washer, Felt, Outer				
12X-199	2	Lockwasher, Thru Bolt, 1/4	GGW-52	3	Screw, Brg. Retainer, Rd. Hd. #10-32x1/2				
<u>Comm. End Head Assembly &amp; Parts Used With</u>			GX-9	1	Retainer, Bearing				
G CJ-3085AS	1	Head Assy., Comm. End	12X-196	3	Lockwasher, Retainer Screw, #10				
GAR-73	1	Wick, Felt	X-298	1	BEARING, BALL, S. A. E. #204				
GAR-98A	1	Cover, Wick	X-489	1	Oiler				
GBW-69	1	Gasket, C. E. Cover	<u>Miscellaneous Parts</u>						
GBW-72	1	Oil Guard	CB-4014	1	RELAY ASSY., CUTOUT				
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, Arm. Term., Bdg. Hd. #10-32x3/16				
G CJ-1014L	1	Plate Assy., 3rd Brush	12X-196	2	Lockwasher, Term. Sc., #10				
GBW-45	1	Spring, Brush	8X-312	1	Screw, Bat. Term., Rd. Hd. #10-32x1/4				
G CJ-26	1	Arm, Brush	GDW-1024E	1	Band, Cover				
G CJ-1085C	1	Head Assy., Partial, C. E.	8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2				
GBF-79	1	BEARING, ABSORBENT BRONZE	8X-794	1	Nut, Cover Band, Square #10-32				
GBW-45	1	Spring, Brush	X-1270	2	Washer, Relay Mtg., Skpf. #10				
G CJ-26	1	Arm, Brush	8X-1515	2	Screw, Relay Mtg., Rd. Hd. #10-32x5/16				
G CJ-1023L	1	Holder Assy., Brush, Grounded	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">UNIT</td> <td style="width: 50%;">APPLICATION</td> </tr> <tr> <td>GFA-4837-2</td> <td>Universal (Marine)</td> </tr> </table>			UNIT	APPLICATION	GFA-4837-2	Universal (Marine)
UNIT	APPLICATION								
GFA-4837-2	Universal (Marine)								
GBW-45	1	Spring, Brush							
G CJ-26	1	Arm, Brush							
12X-195	2	Lockwasher, Holder Screw, #8							
8X-304	2	Screw, Br. Holder, Rd. Hd. #8-32x5/16							
GGW-52	1	Screw, Retaining Spring, Rd. Hd. #10-32x1/2							
12X-195	4	Lockwasher, Cover Sc., #8							
8X-888	4	Screw, Cover, Fill. Hd. #8-32x5/16							

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