FILE IN THE

GEB

prestolite SERVICE MANUAL

GENERATOR SECTION

(Issued 3-16-78)

VOLTS 6 RATED OUTPUT See tabulation. VENTILATED See tabulation.

ROTATION See tabulation. BRUSHES 2 POLES 2

CONTROL Vibrating current-voltage regulator.

GROUND POLARITY Positive BEARINGS Ball at both ends.

LUBRICATION — Periodically add 5 drops of medium engine oil to end head oilers. At overhaul, pack open ball bearings 1/4 to 1/2 full with a good ball bearing lubricant. NOTE - Some ball bearings are sealed, these units are prelubricated and require no additional lubrication.

BRUSH SPRING TENSION — 64 to 68 ounces with new brushes. Measure brush spring tension with the scale hooked in the hole in the end of the brush arm and pulled on a line perpendicular to the top of the brush. Take the reading just as the arm leaves the brush.

FIELD COIL DRAW (70°F.) — 1.3 to 1.5 amperes at 5.0 volts.

MOTORING DRAW (70°F.) — 3.7 to 4.3 amperes at 5.0 volts. (Have field terminal grounded to frame.)

OUTPUT TESTS (70°F.)

(Test 1) 7.2 volts, 8.0 amperes at 730 maximum RPM.
8.0 volts, 32.0 amperes at 1165 maximum RPM.
(Test 2) 7.2 volts, 3.0 amperes at 635 maximum RPM.
8.0 volts, 25.0 amperes at 1100 maximum RPM.
(Test 3) 7.2 volts, 8.0 amperes at 730 maximum RPM.
8.0 volts, 16.0 amperes at 885 maximum RPM.

Unit	Rated Output (Amperes)	Vent.	Rot.	Test No.	Internal Wiring
GEB-4807	32	Yes	CW	1	Fig. 1
GEB-4810	32	Yes	CW	1	Fig. 1
GEB-4812	32	Yes	CW	1	Fig. 1
GEB-4819-3	25	Yes	CCW	2	Fig. 2
GEB-4820-1	16	No	CW	1	Fig. 1
GEB-4824-1	16	No	CW	3	Fig. 1
GEB-6001A, B, C, D, H	32	Yes	CW	3	Fig. 1

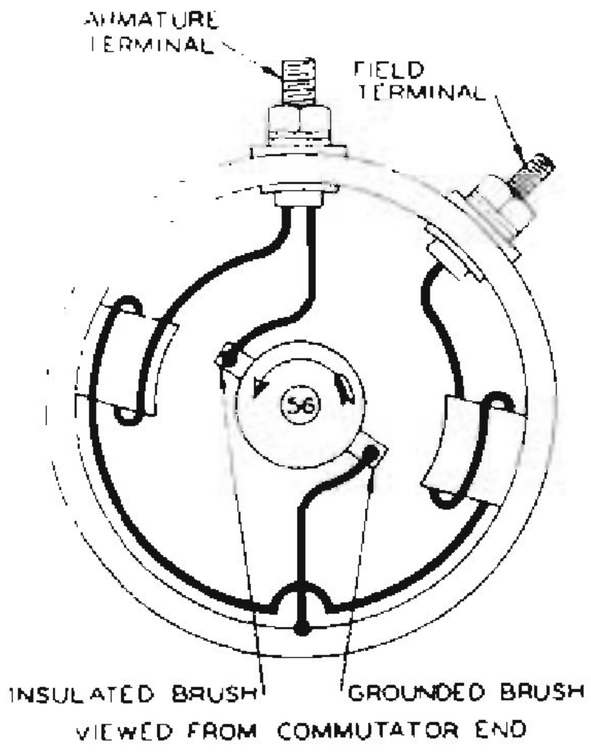


Figure 1.

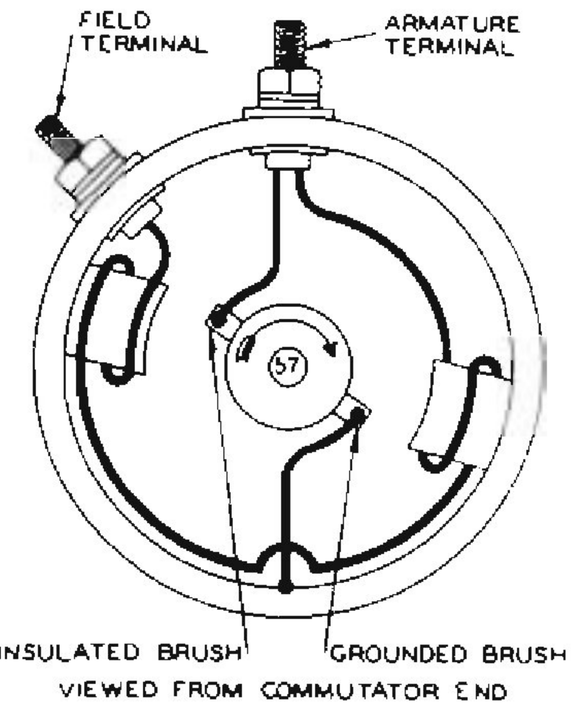


Figure 2.

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