FILE IN THE **GJO**

prestolite SERVICE MANUAL

GENERATOR SECTION

(Issued 3-16-78)

VOLTS 12 RATED OUTPUT See Tabulation VENTILATED See Tabulation

ROTATION See Tabulation BRUSHES 2 POLES 2

CONTROL Vibrating Current-Voltage Regulator

GROUND POLARITY Negative BEARINGS Ball at drive end. Absorbent bronze at commutator end.

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 lubrtcation.

BRUSH SPRING TENSION — 18 to 36 ounces with new brushes. Tension is measured by using an adaptor and hooking it under the brush arm as near to the brush as possible. Take the reading just as the arm leaves the brush.

FIELD COIL DRAW (70°F.) — 1.6 to 1.7 amperes at 10.0 volts

MOTORING DRAW (70°F.) — 2.9 to 3.3 amperes at 10.0 volts (Have field terminal grounded to frame.)

OUTPUT TESTS (70°F.) — 15.0 volts, 13 amperes minimum at 1750 RPM.
15.0 volts, 25 amperes at 2300 maximum RPM.
15.0 volts, 30 amperes at 2700 maximum RPM.
15.0 volts, 12 amperes at 1900 maximum RPM.

Unit	Rated Output (Amperes)	Vent.	Rot.	Internal Wiring	Special Instructions
GJO-7101A, S	25-30	Yes	CW	Fig. 1	See Note 1
GJO-7102S	25-30	Yes	CW	Fig. 1	See Note 1
GJO-7104A	25-30	Yes	CW	Fig. 1	See Note 1
GJO-7105A	25-30	Yes	CW	Fig. 1	See Note 1
GJO-7106A, B	25-30	Yes	CW	Fig. 1	See Note 1
GJO-7301S	12	No	CW	Fig. 1	See Note 1
GJO-7302S	12	No	CCW	Fig. 1	See Note 1
GJO-7402A, S	25-30	Yes	CW	Fig. 2	See Notes 2, 3
GJO-7403A	25-30	Yes	CW	Fig. 2	See Note 3
GJO-7501A, C, D, S, S-1	12	No	CW	Fig. 2	See Note 3

Note 1 - When measuring motoring draw, have field and armature terminals connected together.

Note 2 - This generator is manufactured with extended life lubrication and does not require periodic lubrication. At overhaul, the grease plug in the C. E. head should be removed and the grease reservoir cleaned and repacked with a low melting point grease.

Note 3 - When measuring motoring draw, have field terminal grounded to frame.

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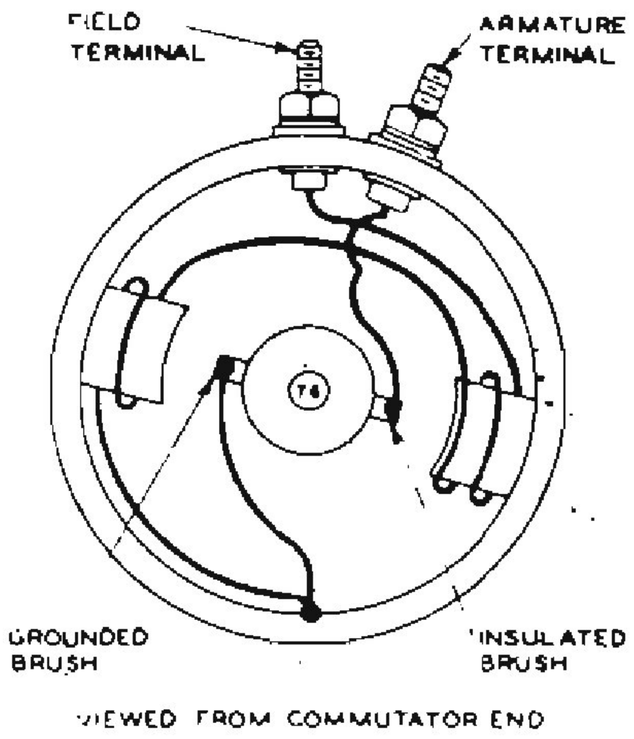


Figure 1

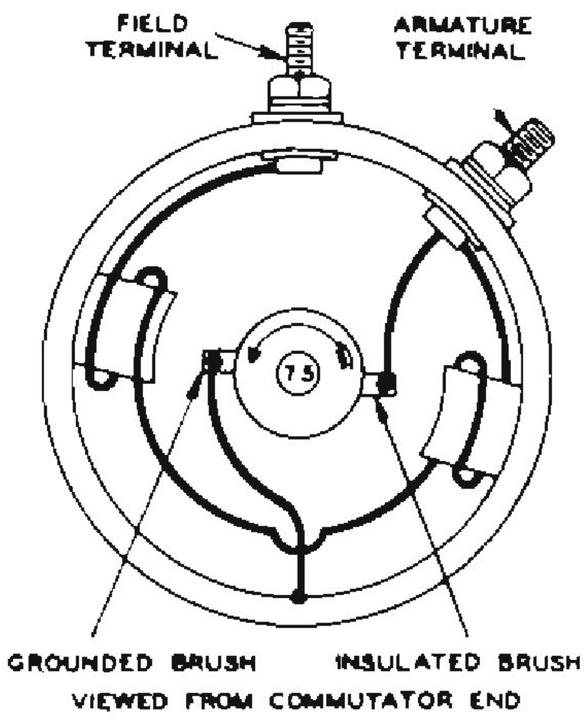


Figure 2

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