FILE IN THE

prestolite SERVICE MANUAL

GJG

GENERATOR SECTION

(Issued 3-16-78)

VOLTS 12 RATED OUTPUT 10 Amperes VENTILATED No

ROTATION CWDE BRUSHES 2 POLES 2

CONTROL Vibrating Current-Voltage Regulator

GROUND POLARITY See Tabulation BEARINGS Ball at both ends

LUBRICATION These generators incorporate sealed ball bearings. These units are prelubricated and require no additional lubrication.

BRUSH SPRING TENSION 12 to 24 ounces with new brushes. Brush spring tension is measured by using an adaptor and hooking it under the brush arm at the bend. Take the reading just as the arm leaves the brush.

FIELD COIL DRAW (70°F.) 1.7 to 1.9 amperes at 10.0 volts.

MOTORING DRAW (70°F.) 4.0 to 5.0 amperes at 10.0 volts.
(Have field terminal grounded to frame.)

OUTPUT TEST (70°F.) 13.8 volts, 4 amperes, 4500 maximum RPM.
15.0 volts, 10 amperes, 5200 maximum RPM.

Unit	Ground Polarity	Special Instructions
GJG-4001M	Negative	Note 1
GJG-4001MP	Positive	Note 1
GJG-4002M	Negative	Note 1
GJG-4003M	Negative	Note 1
GJG-4004M	Negative	Note 1
GJG-4006M	Negative	Note 1
GJG-4007MP	Positive	Note 1
GJG-4007T	Positive	Note 2
GJG-4008M	Negative	Note 1
GJG-4009M	Negative	Note 1
GJG-4010M	Negative	Note 1

NOTE 1 - After inspection of new field coils, paint the inside of the frame and soak the field coils with air-drying varnish. Keep varnish off of brush leads, pilot seats and threads. When reusing the original armature, its core and windings should be given the same treatment, being careful to keep the commutator and bearing surfaces clean.

NOTE 2 - After inspection of the various parts, paint terminal stud and brush holder insulation with red glyptol. Cover glyptol and all metal surfaces except pilots, head seats, threads, commutator and bearing surfaces with air-drying, fungus-resistant insulating varnish. Allow varnish to soak into field coils and armature windings; then drain and dry thoroughly before assembling generator.

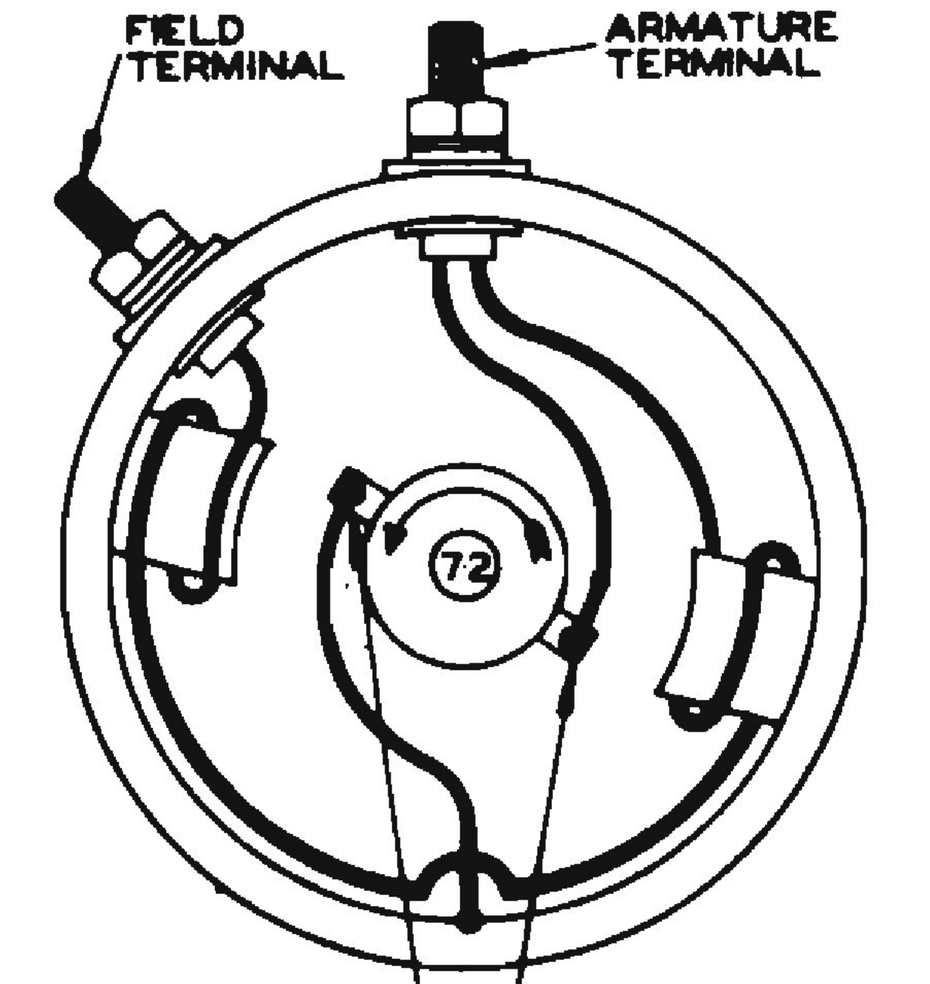


Figure 1

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