FILE IN THE

prestolite SERVICE MANUAL

GENERATOR SECTION

(Issued 3-16-78)

VOLTS 24 RATED OUTPUT 10 Amperes VENTILATED Yes

ROTATION See Tabulation BRUSHES 2 POLES 2

CONTROL Vibrating Current-Voltage Regulator

GROUND POLARITY See Tabulation BEARINGS Ball at drive end. Absorben 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 lubrication.

BRUSH SPRING TENSION

18 to 36 ounces with new brushes. Brush spring tension is measured by using an adaptor and hooking it under the brus arm as near to the brush as possible. Take the reading ju as the arm leaves the brush.

FIELD COIL DRAW (70°F.)

.78 to .83 amperes at 20.0 volts.

MOTOR DRAW (70°F.)

1.9 to 2.6 amperes at 20.0 volts.
(Have field terminal grounded to frame.)

OUTPUT TESTS (70°F.)

28.0 volts, 4.0 amperes at 1140 maximum RPM.
30.0 volts, 10.0 amperes at 1500 maximum RPM.

Unit	Rotation	Ground Polarity	Internal Wiring	Special Instructions
GHG-6001A	CWDE	Negative	Figure 1	
GHG-6001AT, BT	CWDE	Positive	Figure 1	Note 1
GHG-6001C, D	CWDE	Positive	Figure 1	
GHG-6001CT	CWDE	Negative	Figure 1	Note 1
GHG-6002AT	CCWDE	Negative	Figure 2	Note 1
GHG-7001A, B	CWDE	Positive	Figure 1	

NOTE 1 - 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 an air-drying, fungus-resistant varnish. Allow varnish to soak into field coils and armature windings. Drain and dry thoroughly before assembling generator.

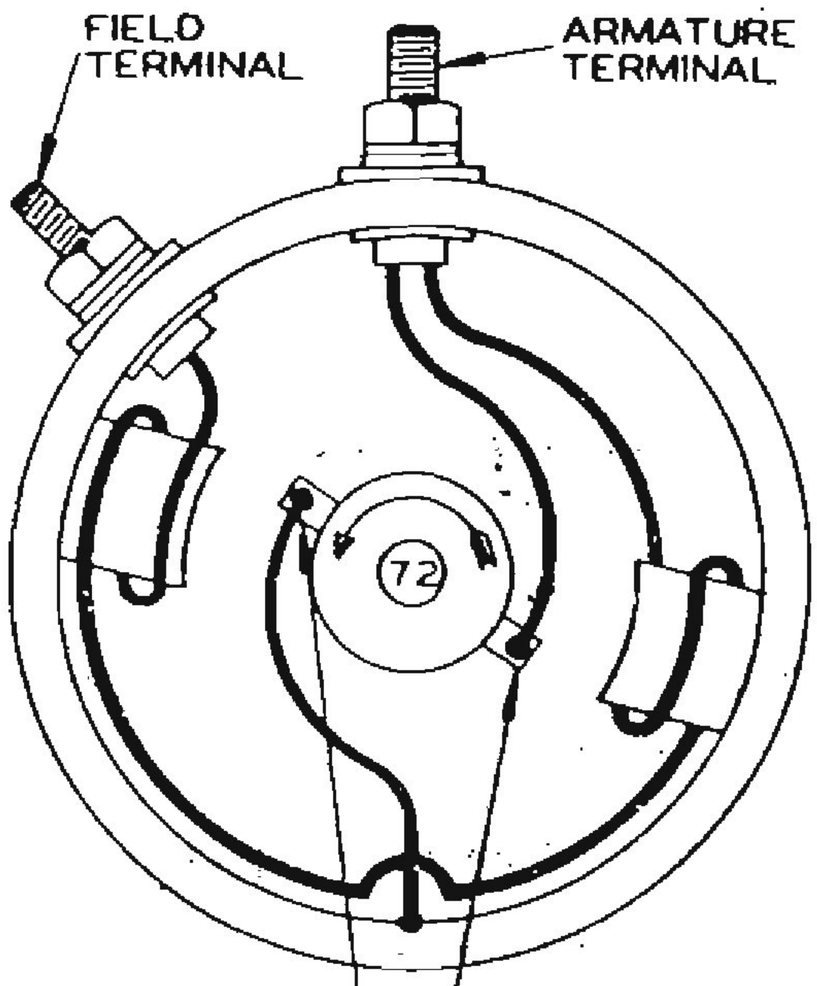


Figure 1

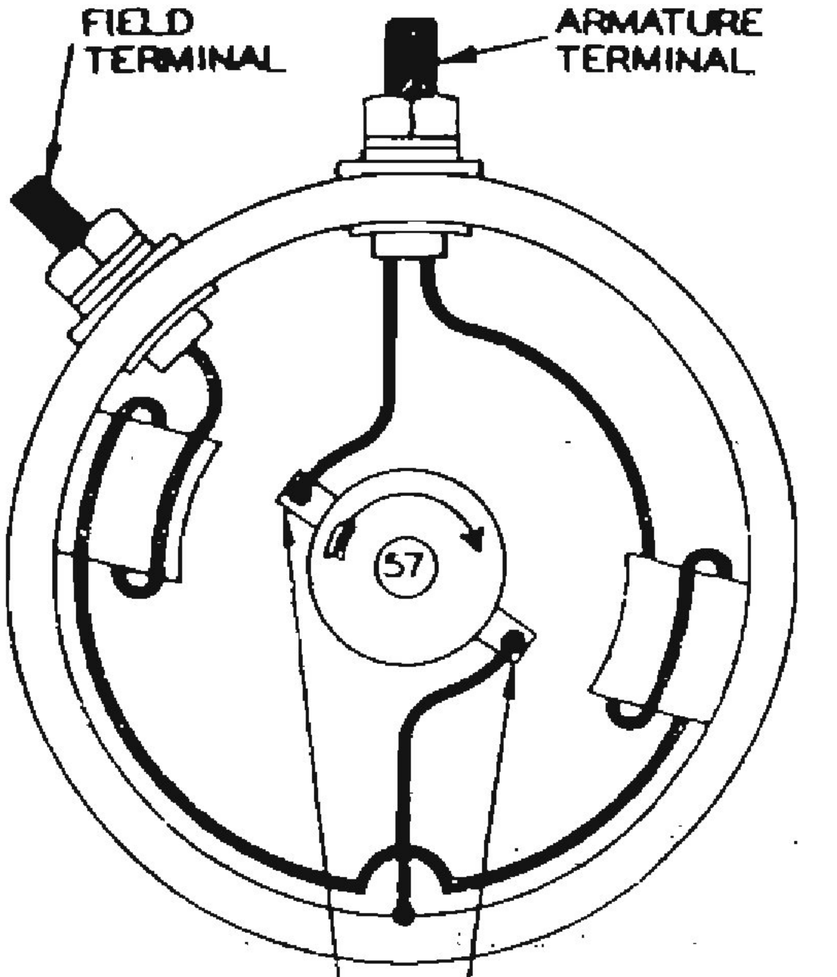


Figure 2