prestolite SERVICE MANUAL

GENERATOR SECTION

(Issued 3-16-78)

VOLTS 6 | RATED OUTPUT 19 Amperes | VENTILATED No

ROTATION CWDE | BRUSHES 3 | POLES 2

CONTROL 3rd brush & vibrating voltage regulator

GROUND POLARITY See Tabulation | 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 lubrication.

BRUSH SPRING TENSION — 26 to 46 ounces with new brushes. Brush spring tension is measured 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.) — 2.0 to 2.2 amperes at 5.0 volts

MOTORING DRAW (70°F.) — 4.8 to 5.4 amperes at 5.0 volts
(Have field terminal grounded to frame.)

OUTPUT TESTS (70°F.) — 7.2 volts, 8.0 amperes at 1140 maximum RPM.
8.0 volts, 19.0 amperes maximum output

COMMUTATOR END HEAD — Do not damage the commutator end felt wick when installing the head on the armature shaft. After assembly, be sure wick lies on the bottom of the oil pocket and fill the pocket 1/2 full with light grease.

Unit	Ground Polarity	Special Instructions
GHD-6001A, AA, AB, AC, AF, B, C, D, Q-1, SSN, YN	Negative	
GHD-6001AB-1, AC-1, AE, AG, B-1, E, F, G, H, J, K, P, Q, R, S, SS, V, W, X, Y, Z	Positive	
GHD-6001ET	Positive	Note 1
GHD-6002A, B, S	Positive	

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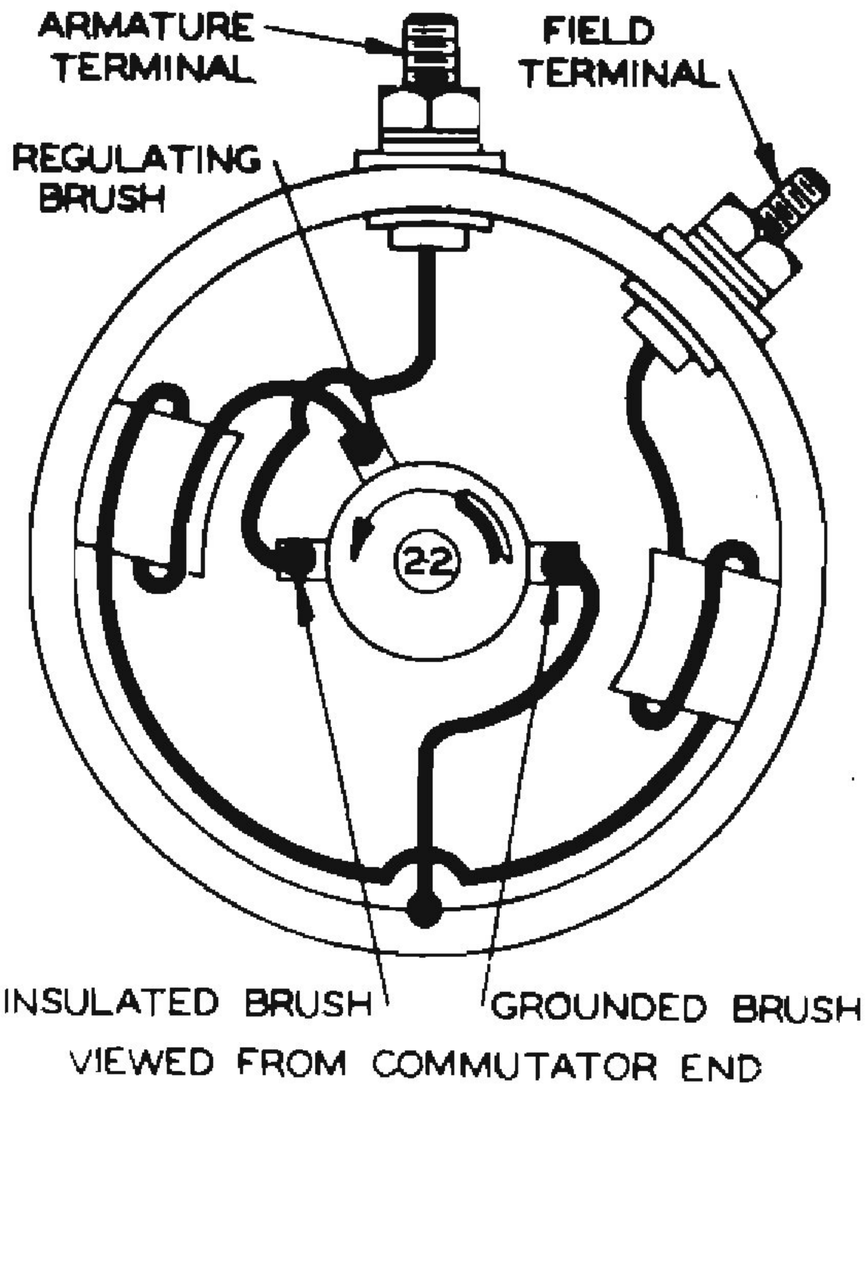
NOTE 1 - After inspection of the various parts, paint terminal stud and brush holder insulation with red glyptol. Cover glyptol and all metal surfaces except pilots, head seats, threads, commutator, and bearing surfaces with an air-drying, fungus-resistant varnish. Allow varnish to soak into field coils and armature windings. Drain and dry thoroughly before assembling generator.



VIEWED FROM COMMUTATOR END