FILE IN THE

prestolite SERVICE MANUAL

GKH

GENERATOR SECTION

(Issued 3-16-78)

VOLTS 12 VENTILATED See tabulation RATED OUTPUT See Tabulation

POLES 2 BRUSHES 2 ROTATION CWDE CONTROL Vibrating Current Voltage Regulator

BEARINGS Ball at Drive End. Absorbent Bronze at Commutator End.

LUBRICATION Periodically add 5 drops of medium engine oil to the 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 pre-lubricated and require no additional lubrication.

BRUSH SPRING TENSION 18 to 36 ounces with new binder. 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.

GROUND POLARITY Polarize generator with negative side grounded.

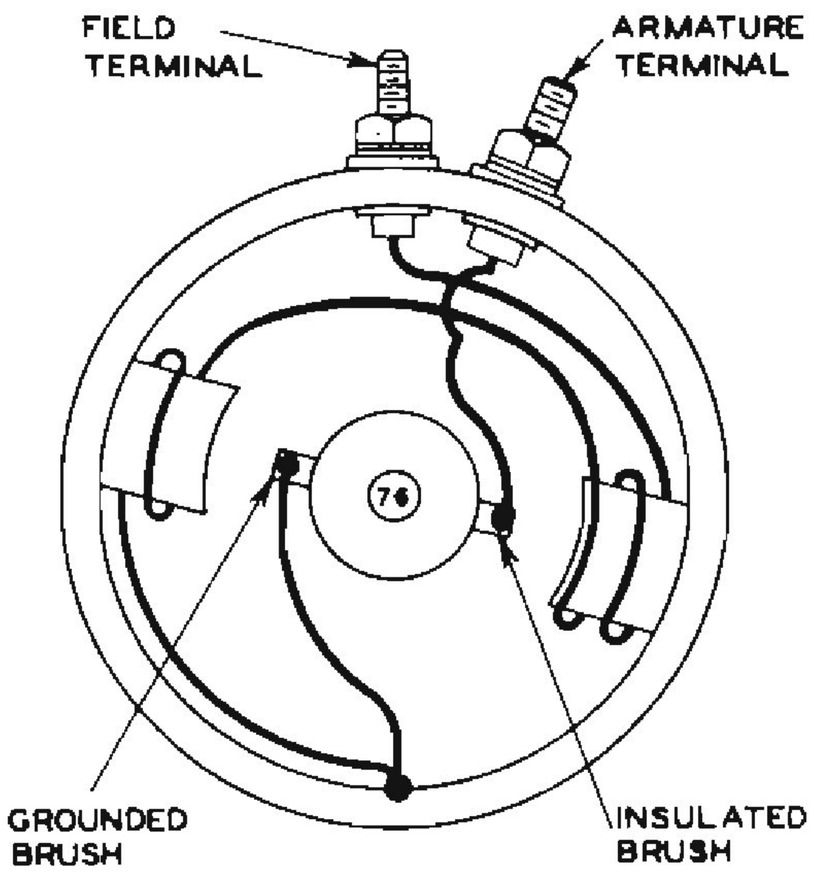
FIELD COIL DRAW (70°F) 1.6 to 1.7 amperes at 10.0 volts.

MOTORING DRAW (70°F) 3.5 maximum amperes at 10.0 volts.

OUTPUT TEST (70°F) 15.0 volts, 10 Max. Amps. 1400 RPM (Non-Vent)
15.0 volts, 20 Max. Amps. 1950 RPM (Ventilated)

Unit	Ventilated	Rated Output	Special Instructions
GKH-7101A	Yes	20 Amperes	
GKH-7101AT	Yes	20 Amperes	See Note 1
GKH-7301A,S	No	10 Amperes	

NOTE 1 - After installation of new field coils, paint the inside of the frame and soak the field coils with air-drying insulating varnish. Keep varnish off brush lead, pilot seats and threads. When re-using the old armature, its core and winding should be given the same treatment - being careful to keep the commutator and bearing surfaces clean.



VIEWED FROM COMMUTATOR END

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