FILE IN THE

prestolite SERVICE MANUAL

GHB

GENERATOR SECTION

(Issued 3-16-78)

VOLTS 6 — VENTILATED No. — RATED OUTPUT 25 Amperes

POLES 2 — BRUSHES 2 — 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 35 to 53 ounces with new brushes. Measure tension with scale hooked in the hole in the end of the brush arm and pulled on a line perpendicular to the top of the brush as shown in Fig. 1. Take the reading just as the arm leaves the brush.

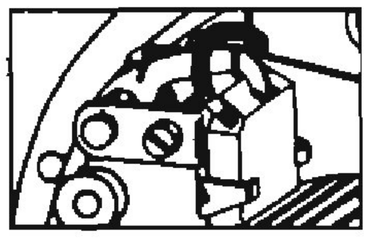

Figure 1

COMMUTATOR END HEAD

When assembling the commutator end head on the armature shaft do not damage the felt wick. Before assembling remove felt wick and soak wick and bearing in oil. After assembly be sure felt wick lies on the bottom of the oil pocket and fill the pocket with medium engine oil.

GROUND POLARITY Polarize generator with positive side grounded.

FIELD COIL DRAW (70° F.) 1.3 to 1.5 amperes at 5.0 volts.

MOTORING DRAW (70° F.) 9.7 to 10.7 amperes at 5.0 volts. Have field terminal grounded to frame.

OUTPUT TEST (70° F.) 7.2 volts, 8.0 amperes at 1930 maximum RPM.
8.0 volts, 25.0 amperes at 2300 maximum RPM.

Do not operate this type generator at more than 25 amperes for any length of time as to do so may result in burned armature and field windings.

Unit	Rotation	Internal Wiring
GHB-4801A, B, C, S-1	CW	Fig. 2
GHB-4802A	CW	Fig. 2

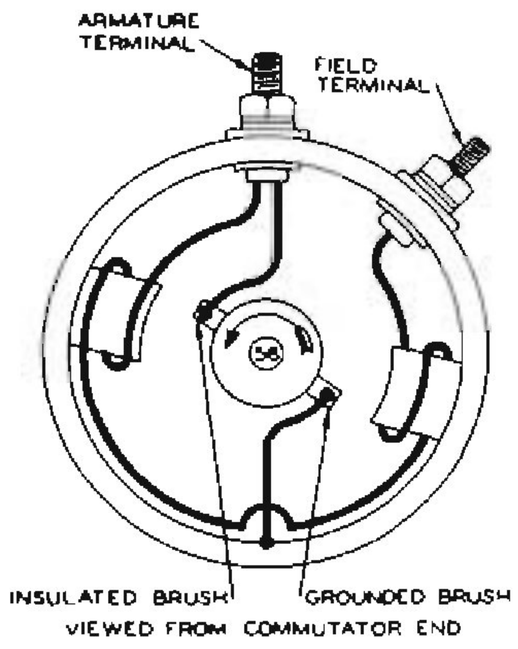

Figure 2.

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