FILE IN THE **GFB**

prestolite SERVICE MANUAL

GENERATOR SECTION

(Issued 3-16-78)

VOLTS 12 — VENTILATED No — FUSE See Tabulation.

POLES 2 — BRUSHES 3 — CONTROL See Tabulation.

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. This tension is measured with scale hooked in the hole in the end of brush arm as shown in Fig. 1 and the reading taken just as the arm leaves the brush. The pull of the spring scale is to be at right angles to the line of force exerted by the brush spring.

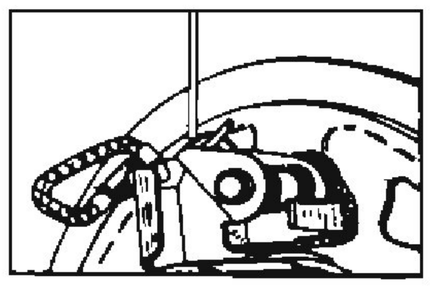

Figure 1.

GROUND POLARITY Positive.

FIELD COIL DRAW (70°F.) 1.9 to 2.1 amperes at 10.0 volts.

MOTORING DRAW (70°F.) 3.1 to 3.5 amperes at 10.0 volts. (Have field lead grounded to frame.)

OUTPUT TEST (70°F.) 14.2 volts, 4.0 amperes at 1200 maximum RPM.
14.6 volts, 14.2 amperes maximum output.
15.0 volts, 15.0 amperes maximum output.

THIRD BRUSH POSITION Third brush to be set 3-1/2 bars minimum to 3-1/2 bars plus 1 mica maximum from the insulated main brush.

Unit	Control	Fuse	Internal Wiring	Special Instructions
GFB-4803-3	3rd.	No	Fig. 2	See Note #1
GFB-4805-3	3rd Br. &TC Reg.	5*	Fig. 3	See Note #1

*Fuse located in regulator.

NOTE 1 - When assembling the armature and C. E. head, remove the felt wick. Have the armature shaft oiled and the felt wick soaked in oil when assembled. After assembling, be sure the felt wick lies on the bottom of the oil pocket and fill the oiler with light engine oil until oil pocket is filled to overflow hole.

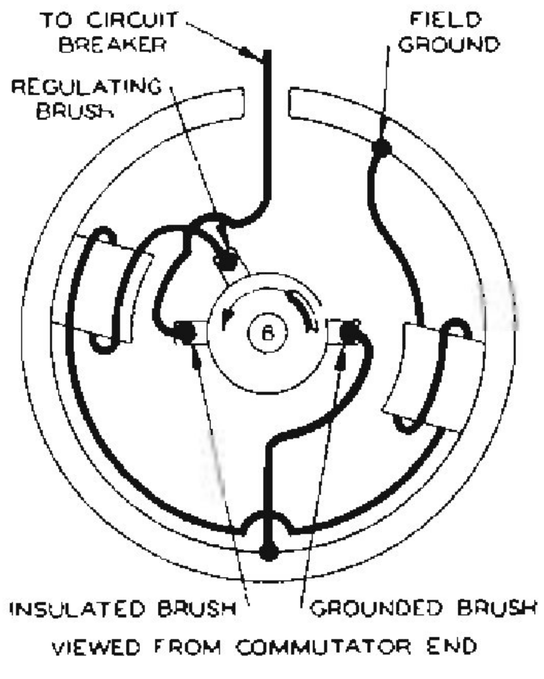

Figure 2.

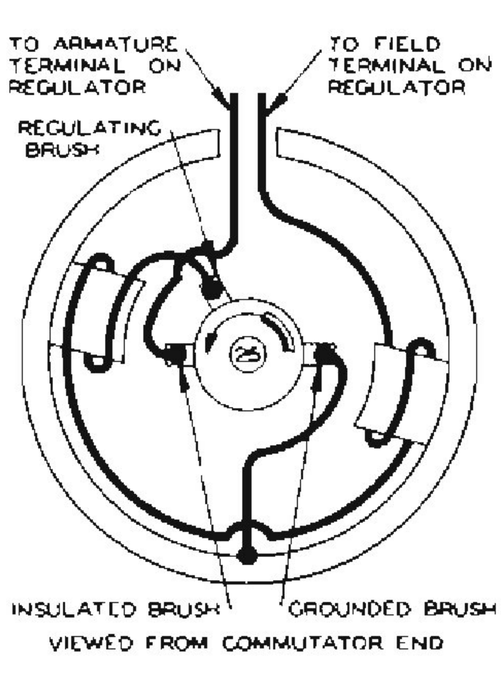

Figure 3.

Printed in U.S.A.