

Fig. 14.—Gear Box—Exploded View

1. Cover
2. Gear and Shaft Assembly
3. Spacer Washer
4. Shield

5. Terminal Board
6. End Play Washer (as required to obtain .005 Max. End Play)
7. Retaining Ring

8. Seal Cap (Rubber)
9. Crank Arm
10. Crank Arm Retaining Nut

Motor

1. Remove motor tie bolts.
2. Tap case assembly lightly with a suitable mallet to partially loosen it from the field and gear housing.
3. Slide the case assembly away from the gear housing and turn the wiper crank arm counter-clockwise (looking at the crank arm). This will maintain the armature commutator between the brushes until ready to remove the armature from the case assembly.
4. Hold the brushes and brush springs in position as shown in Figure 15.
5. Pull armature out of case and install brush retainer clip, part number 5096576, or Tool J-7890.
6. Remove felt washer, steel thrust plate and rubber thrust disc from case assembly bearing as required.
7. To separate case and brush assembly from field end housing cut the leads approximately 4" back from where they are connected in the case assembly.

CAUTION: Before cutting the leads code the

two black field leads as follow: (1) Circuit breaker (2) Brush holder for re-assembly purposes.

8. Removing the Field Assembly:

- a. Disassemble gear box section and unsolder the black lead from terminal No. 3, Figure 17.
- b. Scribe a reference line along side of the housing and field lamina for reassembly purposes.

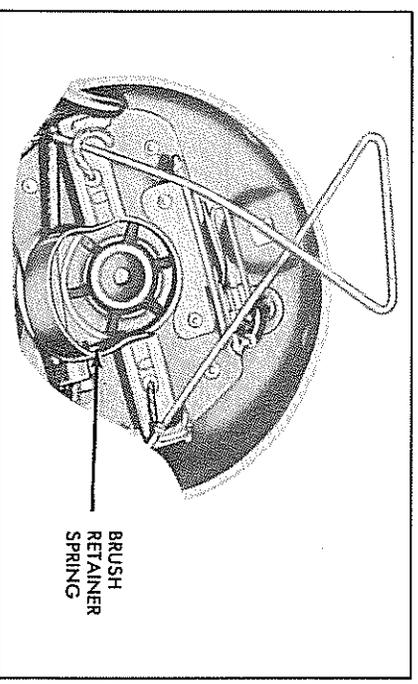


Fig. 15.—Retaining Armature Brushes