

Checking Brushes and Commutator

7 LI

1. Remove generator cover band.
2. Examine brushes for wear and insure that brushes move freely in their guides. Oil soaked brushes must be replaced by new ones of the same type and size.

When installing new brushes, adjust the contact faces to the curvature of the commutator by placing a strip of emery paper (not emery cloth) 00 grade between the installed brush and commutator. Remove the emery paper when it has made full contact with the brush and blow away the carbon dust.

3. A dirty or oily commutator can be cleaned using a clean solvent soaked rag or a stick. Care must

be exercised to prevent dirt from entering the bearing.

4. Test brush spring tension (Page L85). Replace weak springs.
5. If the commutator surface is rough or worn the generator should be removed and overhauled.

Note:

Remove all solvent and allow parts to dry completely before operating the generator to prevent a possible fire.

Removing and Installing Generator

8 LI

Removal

1. Disconnect generator leads.
2. Remove V-Belt (remove outer pulley half).
3. Remove generator mounting strap.

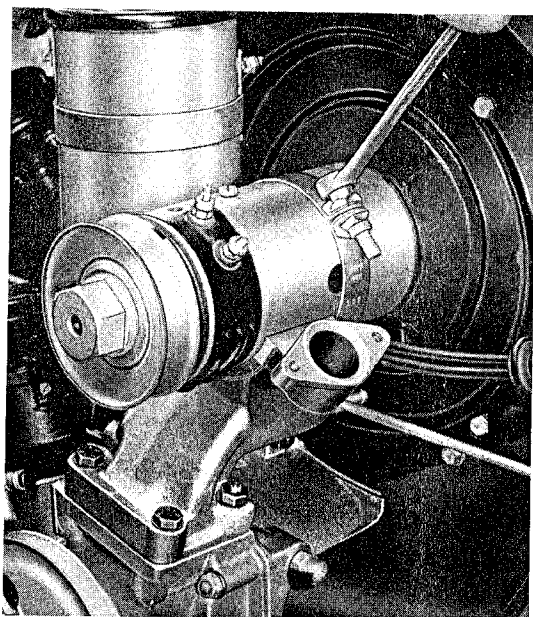


Fig. 12

Installation

The installation is accomplished in the reverse order of removal observing the following points:

1. Inspect the paper gasket and install a new gasket if necessary.
2. Connect cables according to the wiring diagram.

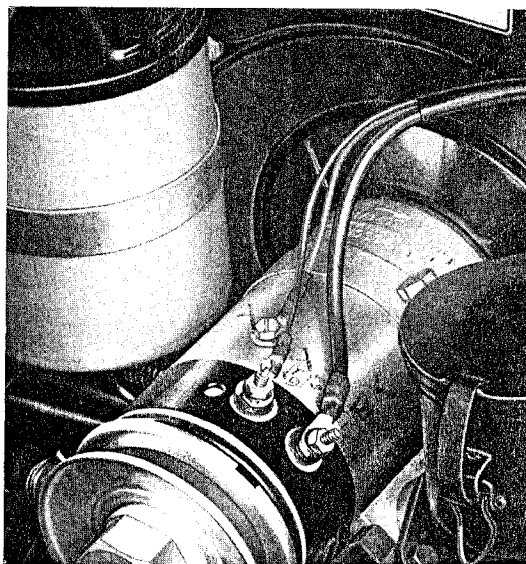


Fig. 13

4. Remove the two cap screws and two nuts at the base of the generator bracket.
5. Remove the four screws on the face of the fan housing cover and remove the generator.

Note:

Before installing the V-belt polarize the generator in order to prevent damage to the regulator and to insure proper charging. For this purpose connect the heavy red battery cable to terminal "61 D+" of the regulator. The generator should now run as a motor in the direction of engine rotation.