

# ELECTRIC STARTER

## INSPECTION

Check the following:

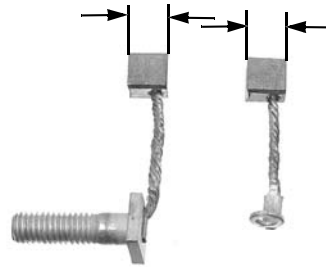
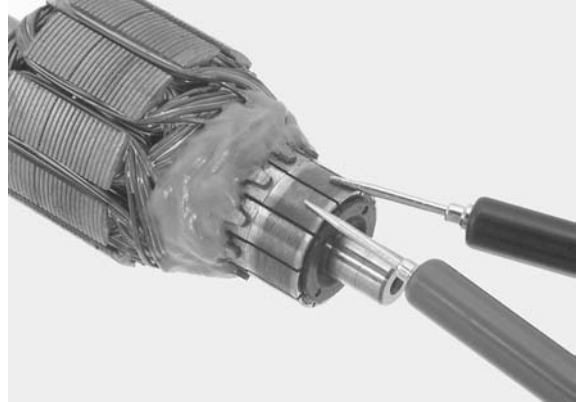
- Bushing in the motor case for wear or damage
- Oil seal in the front cover for deterioration, wear or damage
- Commutator bars of the armature for discoloration

Check continuity in each part of the starter motor as follows:

- Between pairs of commutator bars; should be continuity
- Between each commutator bar and the armature shaft; should be NO continuity
- Between the brush (+) and cable terminal; should be continuity
- Between the brush (-) and rear cover; should be continuity
- Between the cable terminal and rear cover; should be NO continuity

Inspect the brushes for damage and measure the brush length.

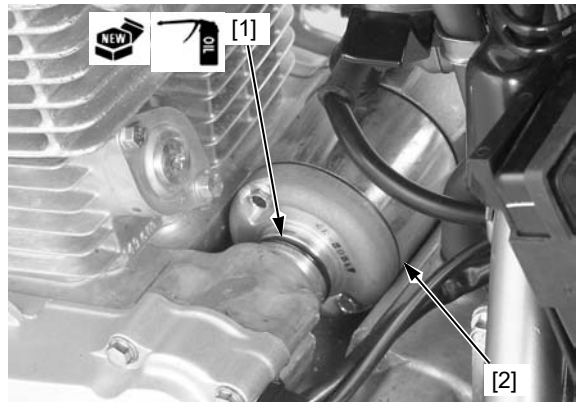
**SERVICE LIMIT: 6.5 mm (0.26 in)**



## INSTALLATION

Coat a new O-ring [1] with clean engine oil and install it into the groove of the starter motor [2].

Install the starter motor to the crankcase.



Install the mounting bolts [1] with the battery (-) cable [2] as shown, and tighten the bolts.

Install the starter motor cable [3] and terminal nut [4] onto the motor terminal and tighten the nut as specified. Install the rubber cap [5] over the terminal properly.

Connect the negative (-) cable to the battery (page 17-5).

