

Starting System

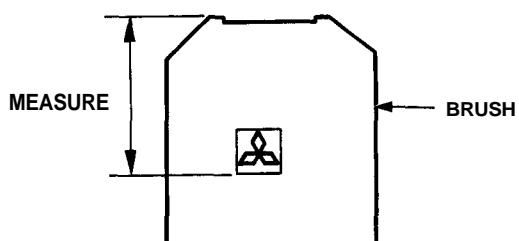
Starter Brush Inspection

Measure the brush length. If not within the service limit, replace the armature housing and brush holder assembly.

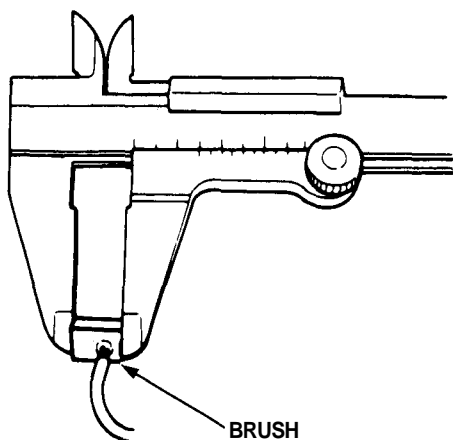
Brush Length

	Standard (NEW)	Service Limit
mitsubishi	18 mm (0.71 in)	11 mm (0.43 in)
mitsuba	16.8–17.2 mm (0.66–0.68 in)	10.0 mm (0.39 in)

mitsubishi:



mitsuba:



NOTE: To seat new brushes after installing them in their holders, slip a strip of #500 or #600 sandpaper, with the grit side up, over the commutator and smoothly rotate the armature. The contact surface of the brushes will be sanded to same the contour as the commutator.

Starter Field Winding Test

1. Check for continuity between the brushes. If there's no continuity, replace the armature housing.
2. Check for continuity between each brush and the armature housing (ground). If continuity exists, replace the armature housing.

