



Starter Motor Inspection

Refer to [Starter Motor Disassembly and Reassembly](#).

Reference: Starter Motor Components

Carbon Brush

Inspect the carbon brushes for abnormal wear, cracks or smoothness in the brush holder.

If any damages are found, replace the brush holder or brush terminal set with a new one.

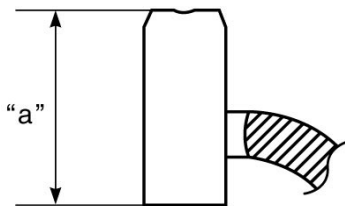
Make sure that the length "a" is not less than the service limit. If this length becomes less than the service limit, replace the brush with a new one.

Brush length "a"

Service limit: 6.5 mm (0.26 in)

Special Tool

09900-20102



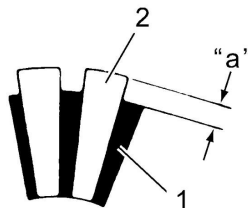
Commutator

Inspect the commutator for discoloration, abnormal wear or undercut "a".

If the commutator is abnormally worn, replace the armature.

If the commutator surface is discolored, polish it with #400 sandpaper and wipe it using a clean, dry cloth.

If there is no undercut, scrape out the insulator (1) with a saw blade.

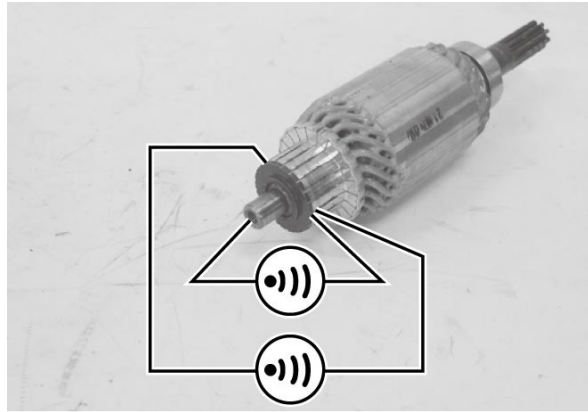


2.	Segment
----	---------

Armature Coil

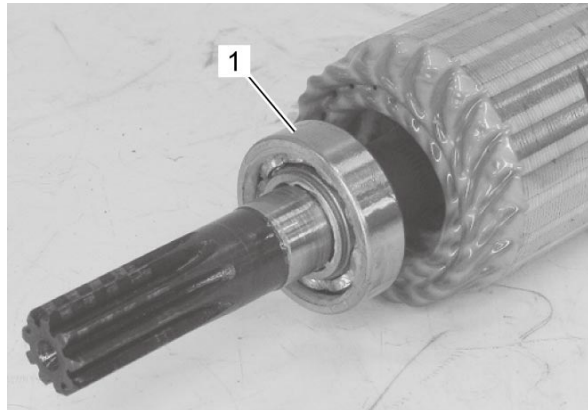
Measure for continuity between each segment. Measure for continuity between each segment and the armature shaft.

If there is no continuity between the segments or there is continuity between the segments and shaft, replace the armature with a new one.



Bearing

Inspect the armature shaft bearing (1) for abnormal noise and smooth rotation. If there is anything unusual, replace the new armature assembly.



Oil Seal

Check the seal lip (1) for damage.
If any damage is found, replace the new housing end (Inside).

