STARTING & CHARGING

030YQ–03

SERVICE DATA

Starter assy

Starter armature assy	Commutator circle runout	Maximum	0.05 mm (0.0020 in.)
	Commutator diameter	STD	36.0 mm (1.42 in.)
		Minimum	35.0 mm (1.38 in.)
	Commutator undercut depth	STD	0.7 mm (0.028 in.)
		Minimum	0.2 mm (0.008 in.)
Brush	Brush length	STD	20.5 mm (0.807 in.)
		Minimum	11.0 mm (0.433 in.)
Starter brush holder assy	Brush spring installed load	STD	34.3 – 42.1 N (3.5 – 4.3 kgf, 7.9 – 9.6 lbf)
		Minimum	18.6 N (1.9 kgf, 4.2 lbf)
Magnet starter switch assy	Contact plate for wear	Maximum	1.6 mm (0.063 in.)

Generator assy

Generator rotor assy	Coil resistance at 20°C (68°F)	STD	11.6 – 12.4 Ω
	Slip ring diameter	STD	14.2 – 14.4 mm (0.559 – 0.567 in.)
		Minimum	14.0 mm (0.551 in.)
Brush	Brush exposed length	STD	10.5 mm (0.413 in.)
		Minimum	4.5 mm (0.177 in.)