STARTING & CHARGING

0325H–01

SERVICE DATA

Starter assy

Starter armature assy	Commutator diameter	STD	36 mm (1.417 in.)
		Minimum	34 mm (1.339 in.)
	Commutator undercut depth	STD	0.5 to 0.8 mm (0.020 to 0.032 in.)
		Minimum	0.2 mm (0.008 in.)
Starter brush	Brush length	STD	18.0 mm (0.709 in.)
		Minimum	13.0 mm (0.512 in.)
Starter brush holder assy	Brush spring installed load	STD	18 N (1.8 kgf, 4.0 lbf)
		Minimum	13 N (1.3 kgf, 2.9 lbf)
Starter commutator end frame assy	Inside diameter	STD	28.0 mm (1.102 in.)
		Maximum	28.1 mm (1.106 in.)
Planet carrier shaft sub–assy	Outside diameter (See page 19–3)	A: STD	26.0 mm (1.024 in.)
		Minimum	25.9 mm (1.020 in.)
		B: STD	12.1 mm (0.476 in.)
		Minimum	12.04 mm (0.474 in.)
	Inside diameter	STD	9.0 mm (0.354 in.)
		Maximum	9.2 mm (0.362 in.)
Starter motor housing	Pull–in coil resistance (between terminal C and M)	STD	0.12 to 0.14 Ω
	Hold–in coil resistance (between terminal C and switch body)	STD	1.13 to 1.25 Ω
	Inside diameter	Maximum	29.033 mm (1.143 in.)
Starter housing bush	Inside diameter	STD	25.0 mm (0.984 in.)
		Maximum	25.2 mm (0.992 in.)
Starter drive housing	Inside diameter	Maximum	30.033 mm (1.1824 in.)
Starter center bearing bush	Inside diameter	STD	26.0 mm (1.024 in.)
		Maximum	26.2 mm (1.031 in.)
Starter clutch sub–assy	Outside diameter	STD	25.0 mm (0.984 in.)
		Minimum	24.9 mm (0.980 in.)

Generator assy

Generator rotor assy	Coil resistance at 20°C (68°F)	STD	11.6 to 12.4 Ω
	Slip ring diameter	STD	14.2 to 14.4 mm (0.559 to 0.567 in.)
		Minimum	12.8 mm (0.504 in.)
Brush holder assembly	Brush exposed length	STD	9.5 to 11.5 mm (0.374 to 0.453 in.)
		Minimum	1.5 mm (0.059 in.)