STARTING & CHARGING

030O6–02

SERVICE DATA

Starter	Commutator		
	Diameter	STD	32.0 mm (1.260 in.)
		Minimum	30.0 mm (1.181 in.)
	Undercut depth	STD	0.7 mm (0.028 in.)
		Minimum	0.2 mm (0.008 in.)
	Brash length	STD	18.0 mm (0.709 in.)
		Minimum	12.0 mm (0.472 in.)
	Spring installed load	STD	42.2 – 51.0 N (4.3 – 5.2 kgf, 9.3 – 11.2 lbf)
		Minimum	22.5 N (2.3 kgf, 4.9 lbf)
	Magnetic switch		
	Resistance (M – C)	STD	0.16 – 0.19 Ω
	Resistance (M – body)	STD	0.84 – 0.94 Ω
	Starter clutch		
	Outside diameter	STD: A	26.0 mm (1.024 in.)
		STD: B	12.1 mm (0.476 in.)
		Minimum: A	25.88 mm (1.019 in.)
		minimum: B	12 mm (0.472 in.)
	Starter drive housing		
	Inside diameter	STD	26 mm (1.024 in.)
		Minimum	26.2 mm (1.031 in.) or more
	Starter motor housing		
	Inside diameter	STD	12.1 mm (0.476 in.)
		Minimum	12.3 mm (0.484 in.) or more
	Commutator end frame		
	Inside diameter	STD	12 mm (0.472 in.)
		Minimum	12.2 mm (0.480 in.)
Alternator	Rotor coil resistance at 20˚C (68˚F)	Open circuit	11.6 – 12.4 Ω
		Ground	10 MΩ at more
	Slip ring diameter	STD	14.2 – 14.4 mm (0.559 – 0.567 in.)
		Minimum	12.8 mm (0.504 in.)
	Brush exposed length	STD	9.5 – 11.5 mm (0.374 – 0.453 in.)
		Minimum	1.5 mm (0.059 in.)
IC regulator	Regulating voltage	at 115˚C (239˚F)	27.7 – 28.7 V