

STARTING (1UZ-FE)

SERVICE DATA

SS0HO-02

Starter	Rated voltage and output power		12 V 2.0 kW
	No-load characteristics	Current	100 A or less at 11.5 V
		rpm	2,500 rpm or more
	Brush length	STD	15.0 mm (0.591 in.)
		Minimum	9.0 mm (0.354 in.)
	Spring installed load	STD	21.5 – 27.5 N (2.2 – 2.8 kgf, 4.8 – 6.2 lbf)
		Minimum	12.7 N (1.3 kgf, 2.9 lbf)
	Field frame		
	Shunt coil resistance	at 20°C (68°F)	1.5 – 1.9 Ω
	Commutator		
	Diameter	STD	35.0 mm (1.378 in.)
		Minimum	34.0 mm (1.339 in.)
	Undercut depth	STD	0.7 mm (0.028 in.)
		Minimum	0.2 mm (0.008 in.)
	Circle runout	Maximum	0.05 mm (0.0020 in.)
Magnetic switch			
	Contact plate for wear	Maximum	0.9 mm (0.035 in.)