

## SPECIFICATIONS 1GR-FE STARTING SERVICE DATA

Starter assembly	Standard current		90A or less at 11.5 V
Magnet starter switch assembly	Standard resistance	Terminal 50 - Terminal C	Below 1 $\Omega$
		Terminal 50 - Switch body	Below 2 $\Omega$
Starter armature	Circle runout	Maximum	0.50 mm (0.00197 in.)
	Commutator	Standard diameter	30.0 mm (1.18 in.)
		Minimum diameter	29.0 mm (1.14 in.)
		Standard under cut depth	0.6 mm (0.0236 in.)
		Minimum under cut depth	0.2 mm (0.00787 in.)
	Standard resistance	Segment - Segment	Below 1 $\Omega$
		Segment - Coil core	10 k $\Omega$ or higher
Starter yoke assembly	Standard resistance	Lead wire - Brush	Below 1 $\Omega$
		Stater yoke body - Brush	10 k $\Omega$ or higher
Brush	Standard length		15.5 mm (0.610 in.)
	Minimum length		8.5 mm (0.335 in.)
Starter bush holder assembly	Standard spring load		17.6 to 23.5 N (1.8 to 2.4 kgf, 4.0 to 5.3 lbf)
	Minimum spring load		11.8 N (1.2 kgf, 2.7 lbf)