

1NZ-FE STARTING**SERVICE DATA**

Starter assembly	Standard current		90 A or less at 11.5 V
Starter relay	Standard resistance	3 - 5	10 k Ω or higher
		3 - 5	Below 1 Ω (When battery voltage is applied to terminals 1 and 2)
Ignition switch	Standard resistance	All terminals	10 k Ω or higher
		1 (AM1) - 3 (ACC)	Below 1 Ω at ACC
		1 (AM1) - 2 (IG1)	Below 1 Ω at ON
		1 (AM1) - 3 (ACC)	Below 1 Ω at ON
		5 (AM2) - 6 (IG2)	Below 1 Ω at ON
		1 (AM1) - 2 (IG1)	Below 1 Ω at START
		4 (ST2) - 5 (AM2)	Below 1 Ω at START
Starter magnet switch assembly	Standard resistance	50 - C	Below 1 Ω
		50 - Body	Below 2 Ω
Starter armature assembly	Standard resistance	Segment	Below 1 Ω
		Segment - Coil core	10 k Ω or higher
Starter armature assembly	Commutator depth	Standard	3.1 mm (0.354 in.)
		Maximum	3.8 mm (0.150 in.)
Starter commutator end frame	Brush length	Standard length	9.0 mm (0.354 in.)
		Maximum length	4.0 mm (0.158 in.)
	Standard resistance	Positive (+) - Negative (-)	10 k Ω or higher

SS

TORQUE SPECIFICATIONS

Part Tightened	N*m	kgf*cm	ft.*lbf
Starter wire x Terminal C	9.8	100	7
Starter assembly x Cylinder block sub-assembly	37	377	27