

2AZ-FE CHARGING**SERVICE DATA**

Battery	Standard voltage	12.5 to 12.9 V at 20°C (68°F)	
Charging circuit with load	Standard amperage	30 A or more	
Generator brush holder assembly	Brush length	Standard length	9.5 to 11.5 mm (0.374 to 0.453 in.)
		Minimum length	4.5 mm (0.177 in.)
Generator rotor assembly	Standard resistance	Slip ring	2.1 to 2.5 Ω at 20°C (68°F)
		Slip ring - Rotor core	10 k Ω or higher
	Slip ring diameter	Standard diameter	14.2 to 14.4 mm (0.559 to 0.567 in.)
		Minimum diameter	12.8 mm (0.504 in.)

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TORQUE SPECIFICATIONS

Part Tightened		N*m	kgf*cm	ft.*lbf
Generator assembly x Cylinder block	bolt A	21	215	16
	bolt B	52	530	38
Generator wire harness bracket x Generator assembly		8.4	85	74 in.*lbf
Generator Wire x Generator Assembly		9.8	100	7
Generator pulley with clutch x Generator rotor assembly		110	1122	82
Bearing retainer plate x Generator drive end frame		2.3	23	20 in.*lbf
Generator brush holder assembly x Generator rectifier end frame		1.8	18	16 in.*lbf
Generator rectifier end frame x Generator drive end frame		5.8	59	51 in.*lbf
Cord clip x Generator rectifier end frame		4.6	47	41 in.*lbf
Generator rear end cover x Generator rectifier end frame		4.6	47	41 in.*lbf

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