

# 3MZ-FE CHARGING

## SERVICE DATA

Battery Except maintenance-free battery	Standard specific gravity: 1.25 to 1.29 at 20°C (68°F)
Battery	Voltage: 12.6 to 12.8 V at 20°C (68°F)
Voltage regulator	Regulating voltage: 13.2 to 14.8 V Standard amperage: 10 A or less
Generator brush holder assembly Brush length	Standard: 10.5 mm (0.413 in.) Minimum: 4.5 mm (0.177 in.)
Generator rotor assembly Open circuit	Resistance: 2.3 to 2.7 $\Omega$ at 20°C (68°F) for 100 A Generator Resistance: 1.5 to 1.9 $\Omega$ at 20°C (68°F) for 130 A Generator
Generator rotor assembly Slip ring diameter	Standard: 14.2 to 14.4 mm (0.559 to 0.567 in.) Minimum: 14.0 mm (0.551 in.)

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## TORQUE SPECIFICATIONS

Part Tightened	N*m	kgf*cm	ft.*lbf
Generator assembly x Generator bracket No. 1	58	592	43
Generator assembly x Generator belt adjusting bar	18	184	13
Generator wire x Generator assembly	9.8	100	87 in.*lbf
Retainer plate x Drive end frame assembly generator	2.3	23	20 in.*lbf
Generator rectifier end frame x Drive end frame assembly generator	5.8	59	51 in.*lbf
Generator brush holder assembly x Generator rectifier end frame	1.8	18	16 in.*lbf
Generator rear end cover x Generator rectifier end frame	4.6	47	41 in.*lbf
Generator pulley x Generator rotor assembly (100 A Generator)	111	1,127	82
Generator pulley x Generator rotor assembly (130 A Generator)	110	1,125	82

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