2GR-FE CHARGING

SERVICE DATA

Battery	Standard voltage		12.5 to 12.9 V at 20°C (68°F)
Charging circuit without load	Standard amperage		10 A or less
	Standard voltage		13.2 to 14.8 V
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	1.5 to 1.9 Ω at 20°C (68°F)
		Slip ring - Rotor	1 MΩ or higher
	Slip ring diameter	Standard diameter	14.2 to 14.4 mm (0.559 to 0.567 in.)
		Minimum diameter	14.0 mm (0.551 in.)

TORQUE SPECIFICATIONS

Part Tightened	N*m	kgf*cm	ft.*lbf
Bearing retainer plate x Generator drive end frame	2.3	23	20 in.*lbf
Generator coil assembly x Generator drive end frame	5.8	59	51 in.*lbf
Generator brush holder assembly x Generator coil assembly	1.8	18	16 in.*lbf
Generator rear end cover x Generator coil assembly	4.6	47	41 in.*lbf
Generator pulley with clutch x Generator rotor assembly ( ): For use with SST	110 (84)	1125 (857)	81 (62)
Cylinder block x Generator bracket	20	204	15
Generator wire harness clamp stay x Generator assembly	8.4	86	74 in.*lbf
Generator assembly x Generator bracket	20	204	15
Generator assembly x Cylinder block	43	438	32
Generator Wire x Terminal B	9.8	100	87 in.*lbf