

SERVICE SPECIFICATIONS

CH03M-01

SERVICE DATA

Battery	Specific gravity (When full charge at 20°C (68°F))	
	105D31L battery	1.27 – 1.29
	75D31L battery	1.25 – 1.27
Drive belt	Tension	
	New belt	125 ± 25 lbf
	Used belt	80 ± 20 lbf
Generator	Rated output	12 V – 80 A
	Rotor coil resistance	2.8 – 3.0 Ω
	Slip ring diameter (STD)	14.2 mm – 14.4 mm (0.559 – 0.567 in.)
	Slip ring diameter (Minimum)	12.8 mm (0.504 in.)
	Brush exposed length (STD)	10.5 mm (0.413 in.)
	Brush exposed length (Minimum)	1.5 mm (0.059 in.)
Voltage regulator (IC)	Regulating voltage at 25 °C (77°F)	14.0 – 15.0 V
	Regulating voltage at 115°C (239°F)	13.5 – 14.3 V

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TORQUE SPECIFICATIONS

Part tightened	N·m	kgf·cm	ft·lbf
Generator pulley nut	110	1,125	81
Drive belt adjusting bar x Timing chain cover	21	210	15
Pivot bolt (For generator)	59	600	43
Lock bolt (For generator)	21	210	15
Drive end frame x Rectifier end frame	4.5	46	40 in.·lbf
Rear end cover x Rectifier end frame	3.8	39	34 in.·lbf
Rectifier plate mounting screw	3.8	39	34 in.·lbf
Terminal insulator mounting nut	4.1	42	36 in.·lbf