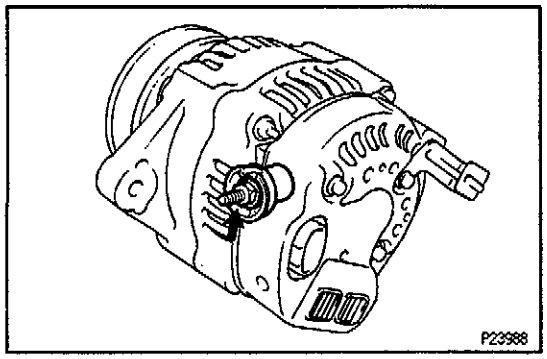


(f) Install the terminal insulator with the nut.
Torque:
4.1 N·m (41.5 kgf-cm, 36 in.-lbf)

8. CHECK THAT ROTOR ROTATES SMOOTHLY

SERVICE SPECIFICATIONS

SERVICE DATA

CH01A-08

Battery	Specific gravity	at 20°C (68°F)		
		55D23R, 75D31R, 105E41R		1.25 – 1.27
		95D31R, 130E41R		1.27 – 1.29
Drive belt	Deflection	Single belt type	New belt	8 – 11 mm (0.31 – 0.43 in.)
			Used belt	11 – 16 mm (0.43 – 0.63 in.)
		Double belt type	New belt	9.5 – 13 mm (0.374 – 0.51 in.)
			Used belt	14 – 16 mm (0.55 – 0.79 in.)
	Tension	Single belt type	New belt	421 – 657 N (43 – 67 kgf)
			Used belt	245 – 441 N (25 – 45 kgf)
		Double belt type	New belt	275 – 510 N (28 – 52 kgf)
			Used belt	196 – 392 N (20 – 40 kgf)
Alternator	Rated output		BB	12 V 45 A, 24 V 60 A
			BU	12 V 50 A, 24 V 30 A
	Rotor coil resistance	at 20°C (68°F)	12 V type	2.7 – 3.1 Ω
			24 V type	10 – 14 Ω
	Slip ring diameter		STD	14.2 – 14.4 mm (0.559 – 0.567 in.)
			Limit	14.0 mm (0.551 in.)
	Brush exposed length		STD	10.5 mm (0.413 in.)
			Limit	4.5 mm (0.177 in.)
IC regulator	Regulating voltage	at 25 °C (77°F)	12 V type	13.8 – 14.4 V
			24 V type	27.7 – 28.7 V
		at 135°C (275°F)	12 V type	12.9 – 14.4 V
			24 V type	26.0 – 28.7 V

TORQUE SPECIFICATIONS

CH01C-07

Part tightened		N·m	kgf-cm	ft-lbf
Bearing retainer x Drive end frame	12 V type	2.6	26.5	23 in.-lbf
	24 V type	2.95	30	26 in.-lbf
Rectifier end frame x Drive end frame		4.5	46	40 in.-lbf
Alternator pulley x Rotor		110.5	1,125	82
Rectifier holder x Coil lead on rectifier end frame				
	12 V type, 24 V type for BU	1.96	20	17 in.-lbf
	24 V type for BB	2.94	30	26 in.-lbf
IC regulator x Rectifier end frame		1.96	20	17 in.-lbf
IC regulator, Brush holder x Rectifier holder		1.96	20	17 in.-lbf

Brush holder x IC regulator		1.96	20	17 in.-lbf
Rear end cover x Rectifier holder	12 V type	2.6	26.5	23 in.-lbf
	24 V type	4.4	45	39 in.-lbf
Cord clip x Rear end cover	12 V type	2.6	26.5	23 in.-lbf
	24 V type	6.1	62.5	54 in.-lbf
Plate terminal x Rectifier holder (24 type for BB)	Nut	4.4	45	39 in.-lbf
	Bolt	3.85	39	34 in.-lbf
Terminal insulator x Rectifier holder		4.1	41.5	36 in.-lbf