
CHARGING SYSTEM

ALTERNATOR	CH- 2
SERVICE SPECIFICATIONS.....	CH- 3

**REFER TO 3S-GE ENGINE REPAIR MANUAL
(Pub. No. RM396E)**

CH

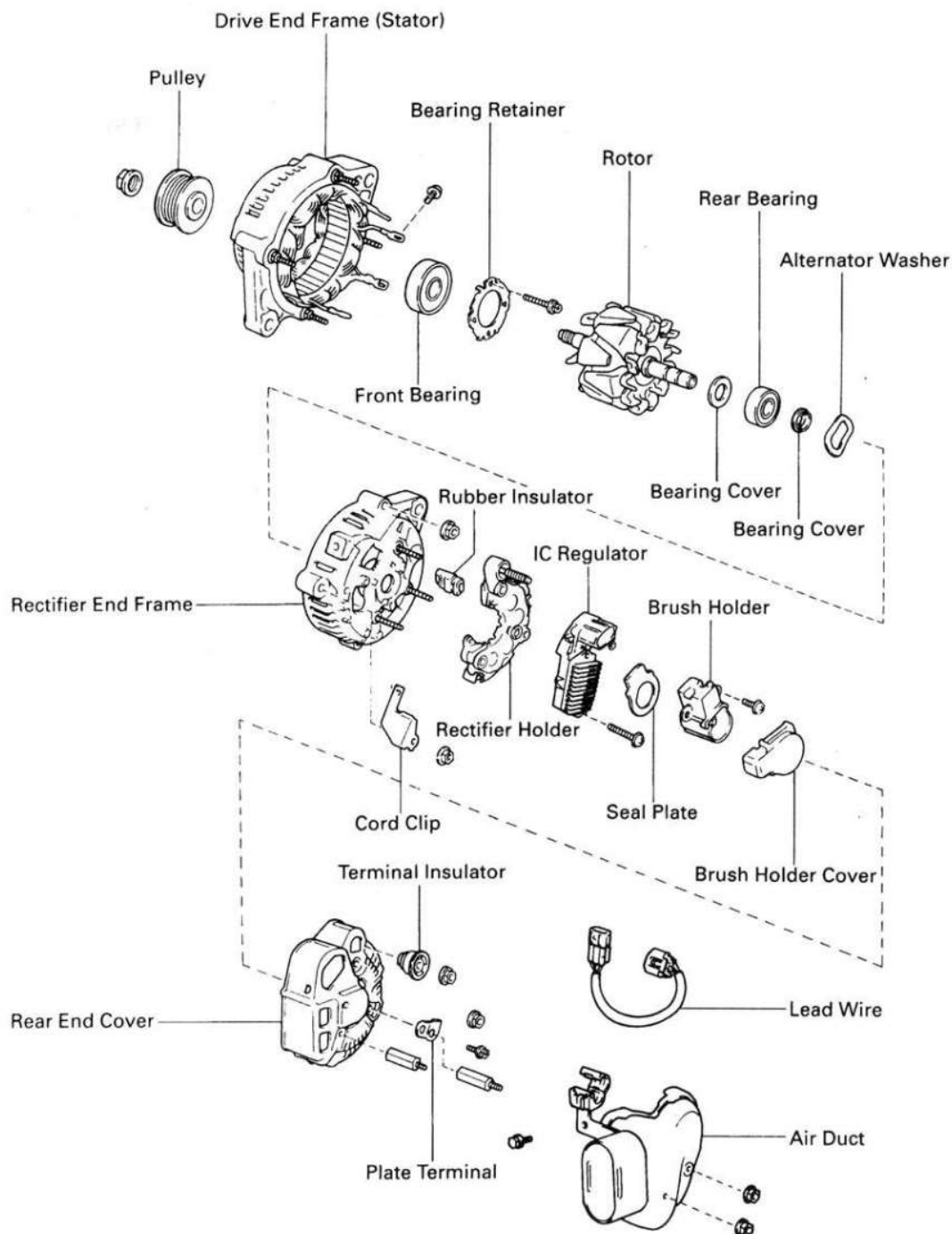
NOTE: The above pages contain only the points which differ from the above listed manual.

CH-2

CHARGING SYSTEM — ALTERNATOR

ALTERNATOR COMPONENTS FOR DISASSEMBLY AND ASSEMBLY

CH010-04



P18577

CHARGING SYSTEM — SERVICE SPECIFICATIONS

CH-3

SERVICE SPECIFICATIONS

CH01A-00

SERVICE DATA

Battery	Specific gravity	at 20°C (68°F)	1.25 — 1.27
Drive belt	Deflection	w/ A/C New belt	10 — 11 mm (0.39 — 0.43 in.)
		Used belt	13 — 16 mm (0.51 — 0.63 in.)
		w/o A/C New belt	11 — 14 mm (0.43 — 0.55 in.)
		Used belt	12 — 18 mm (0.47 — 0.71 in.)
	Tension	w/ A/C New belt	686 — 785 N (70 — 80 kgf)
		Used belt	294 — 441 N (30 — 45 kgf)
		w/o A/C New belt	461 — 706 N (47 — 72 kgf)
		Used belt	353 — 610 N (36 — 62 kgf)
Alternator	Rated output		12 V 80 A
	Rotor coil resistance		2.8 — 3.0 Ω
	Slip ring diameter	STD	14.2 — 14.4 mm (0.559 — 0.567 in.)
		Limit	12.8 mm (0.504 in.)
	Brush exposed length	STD	10.5 mm (0.413 in.)
		Limit	1.5 mm (0.059 in.)
IC regulator	Regulating voltage	at 25°C (77°F)	13.9 — 15.1 V
		at 115°C (239°F)	13.5 — 14.3 V

CH

CH01C-00

TORQUE SPECIFICATIONS

Part tightened	N·m	kgf·cm	ft·lbf
Bearing retainer x Drive end frame	2.6	27	23 in·lbf
Rectifier end frame x Drive end frame	4.5	46	40 in·lbf
Cord clip x Rectifier end frame	5.4	55	47 in·lbf
Alternator pulley x Rotor	110	1,125	81
Rectifier holder x Coil lead on rectifier end frame	2.9	30	26 in·lbf
Rear end cover x Rectifier holder	4.4	45	39 in·lbf
Plate terminal x Rectifier holder	Nut	4.4	39 in·lbf
	Bolt	3.8	34 in·lbf
Terminal insulator x Rectifier holder	4.1	42	36 in·lbf
Air duct x Rear end cover	4.4	45	39 in·lbf
Air duct x Rectifier end frame	3.4	35	30 in·lbf

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