OPERATION

CH00H-01

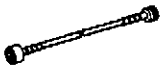
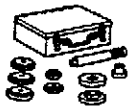
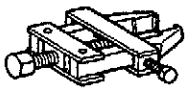
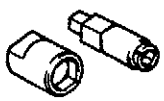
When the ignition switch is turned ON, current from the battery flows from terminal L of the alternator through the IC regulator to terminal E, causing the discharge warning light to light up. Then when the engine is started, the voltage output increases as the alternator rpm increases. When the voltage output becomes greater than the battery voltage, current for recharging flows from terminal B. Simultaneously, voltage at terminal L increases and the potential difference between battery and terminal L disappears, causing the discharge warning light to go off. When the voltage output exceeds the regulator adjustment voltage, the transistor inside the IC regulator regulates the voltage so that the voltage from the alternator remains constant.

CH

PREPARATION

SST (SPECIAL SERVICE TOOLS)

CH00G-00

	09216–00021	Belt Tension Gauge	
	09216–00030	Belt Tension Gauge Cable	
	09285–76010	Injection Pump Camshaft Bearing Cone Replacer	Rotor rear bearing cover
	09286–46011	Injection Pump Spline Shaft Puller	Rectifier end frame
	09608–20012	Front Hub & Drive Pinion Bearing Tool Set	
	(09608–00030)	Replacer	Rotor front bearing
	09820–00021	Alternator Rear Bearing Puller	
	09820–00030	Alternator Rear Bearing Replacer	Rotor rear bearing
	09820–63010	Alternator Pulley Set Nut Wrench Set	

CH008-08

RECOMMENDED TOOLS

	09082—00050 TOYOTA Electrical Tester Set	

CH00U-08

EQUIPMENT

Ammeter(A)	
Battery specific gravity gauge	
Belt tension gauge	
Torque wrench	
Vernier calipers	Rotor (Slip ring), Brush