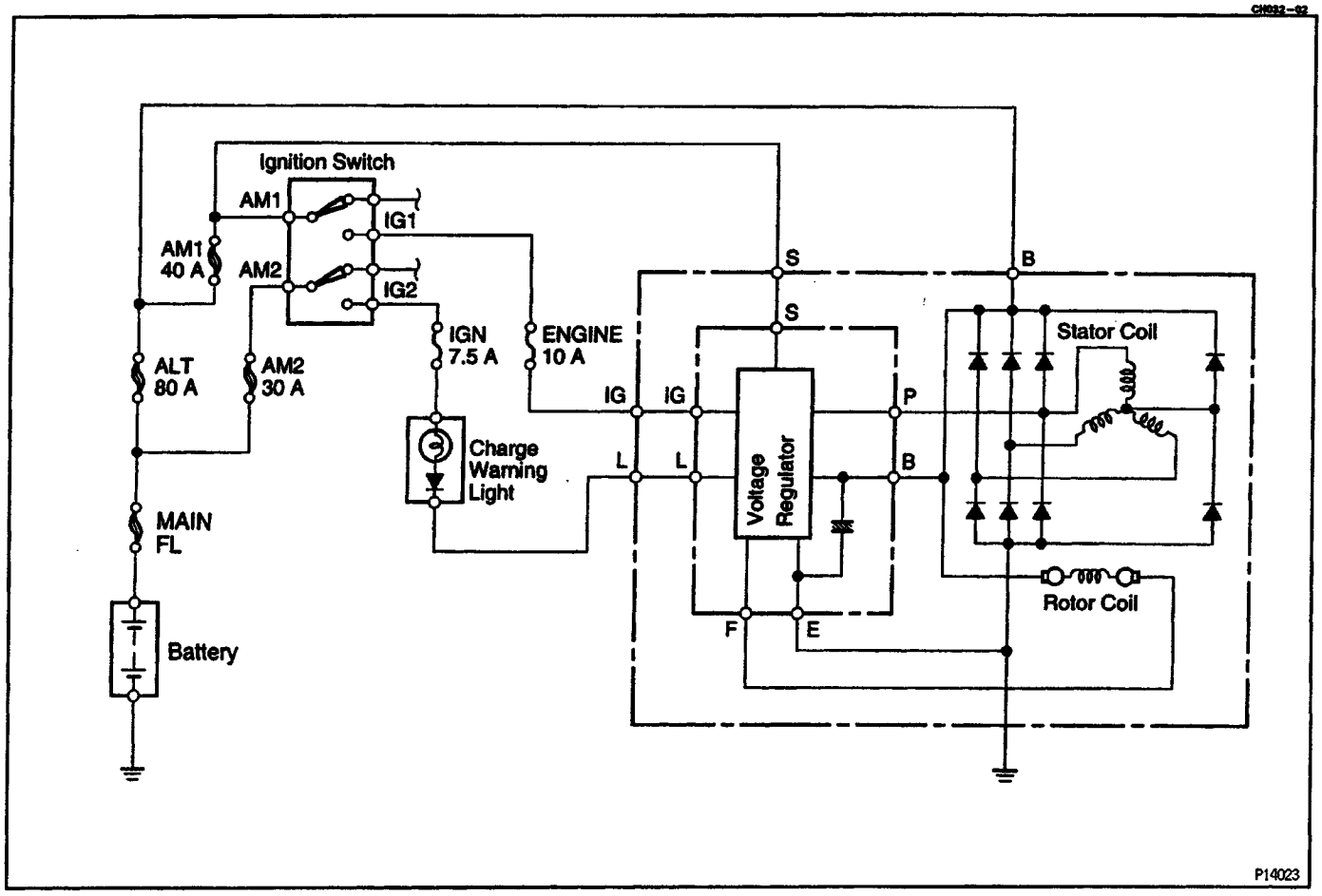
SYSTEM CIRCUIT



OPERATION

When the ignition switch is turned ON, current from the battery flows from terminal L of the generator through the voltage regulator to terminal E, causing the discharge warning light to light up. Then when the engine is started, the voltage output increases as the generator speed 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 voltage regulator regulates the voltage so that the voltage from the generator remains constant.