

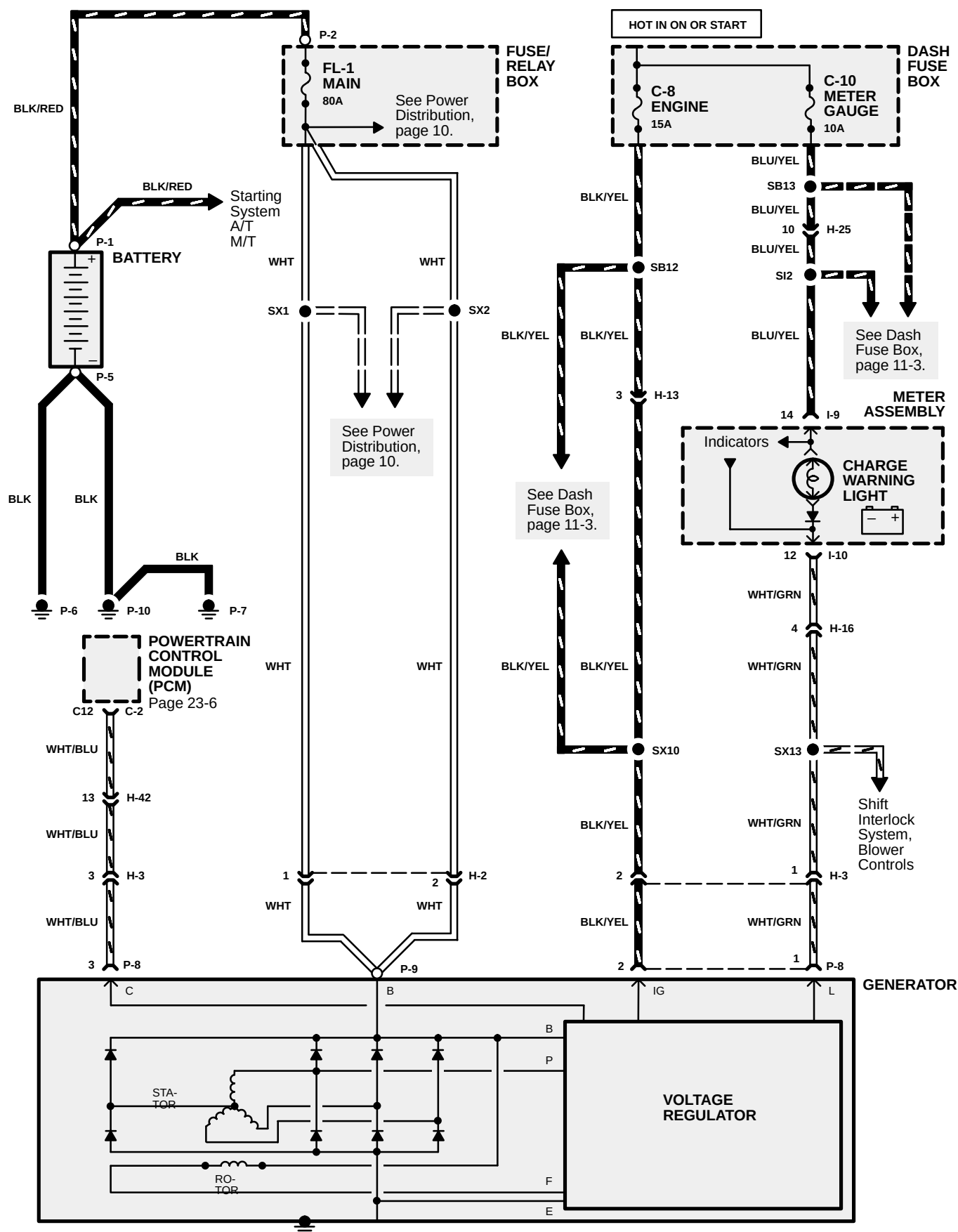
CHARGING SYSTEM

Component Index

- [Dash Fuse Box](#)
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- [Powertrain Control Module \(PCM\)](#)

CHARGING SYSTEM

Circuit Schematic



CHARGING SYSTEM

Component Location Index

(Refer to Section 201 for photographs.)

<u>Component</u>	<u>Photo No.</u>
Dash Fuse Box	Behind left dash side trim panel 51
Fuse/Relay Box	Right side of engine compartment, on inner fender panel 33
Generator	Lower right front of engine 5
Powertrain Control Module (PCM)	Behind the lower cluster assembly 62

<u>Connector</u>	
H-2 (2-GRY)	Right side of engine compartment 40
H-3 (3-BLK)	Right side of engine compartment 40
H-13 (6-GRY)	Below I/P, above right dash side trim panel, on bracket 69
H-16 (22-WHT)	Behind right dash side trim panel 73
H-25 (22-BLU)	Below I/P, above left dash side trim panel, on bracket 54
H-42 (16-BLK)	Right front of engine compartment 31
I-9 (16-BLK)	On left rear of meter assembly 45
I-10 (16-WHT)	On right rear of meter assembly 45

<u>Ground</u>	
P-6	Right side of engine compartment, on rear of battery tray 40
P-7	Lower right front of engine compartment 5
P-10	Lower right side of engine compartment

<u>Terminal</u>	
P-2	In fuse/relay box 37

Circuit Operation

The generator generates an AC voltage in its windings as it is belt-driven by the engine. The rectifier converts this AC voltage to DC.

The voltage regulator, a component which is included in the generator frame, has a primary function of controlling the generator's output to meet electrical system requirements. This regulator controls the charge warning light.

Fuse C-10 supplies battery voltage to the charge warning light. With the engine not running and the starter switch in ON, terminal L of the regulator is grounded internally, providing ground for the charge warning light, and the indicator lights up. With the engine running and the generator charging, terminal L voltage rises and the indicator goes out. If the generator fails to charge, terminal L grounds internally, which then provides ground for the charge warning light, and the indicator lights up.