

Master Index	Power Distribution	Ground Distribution	Harness Routing Views
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CHARGING SYSTEM

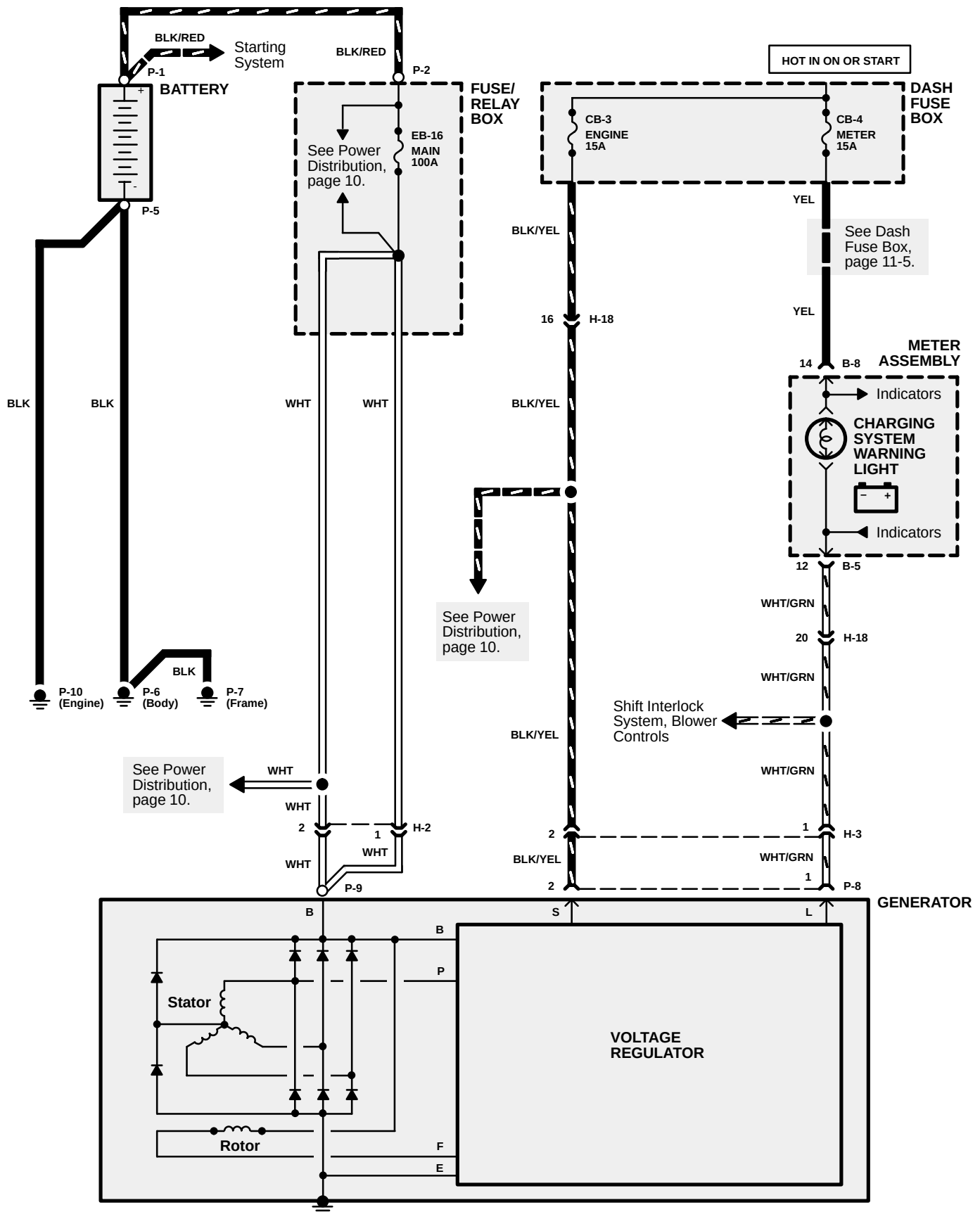
Component Index

- [Dash Fuse Box](#)
- [Fuse/Relay Box](#)
- [Generator](#)

Master Index	Power Distribution	Ground Distribution	Harness Routing Views
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CHARGING SYSTEM

Circuit Schematic



CHARGING SYSTEM

Component Location Index

(Refer to Section 201 for photographs.)

Component	Photo No.
Dash Fuse Box	Behind left I/P side trim panel 36
Fuse/Relay Box	Right side of engine compartment, on inner fender panel 18
Generator	Lower right front of engine 11

Connector

B-5 (16-WHT)	Behind left side of I/P, on rear of meter assembly 49
B-8 (16-BLK)	Behind left side of I/P, on rear of meter assembly 49
H-2 (2-GRY)	Right side of engine compartment, on bracket 22
H-3 (2-BLK)	Right side of engine compartment, on bracket 22
H-18 (20-WHT)	Behind I/P right side panel 58
P-1	On battery 18
P-5	On battery 18

Ground

P-6	Right side of engine compartment, on rear of battery tray 22
P-7	Lower right front of engine compartment, on frame rail 11
P-10	Lower right side of engine, above alternator 11

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.

The METER fuse CB-4 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.