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| Master Index | Power Distribution | Ground Distribution | Harness Routing Views | Connector Views |
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# CHARGING SYSTEM

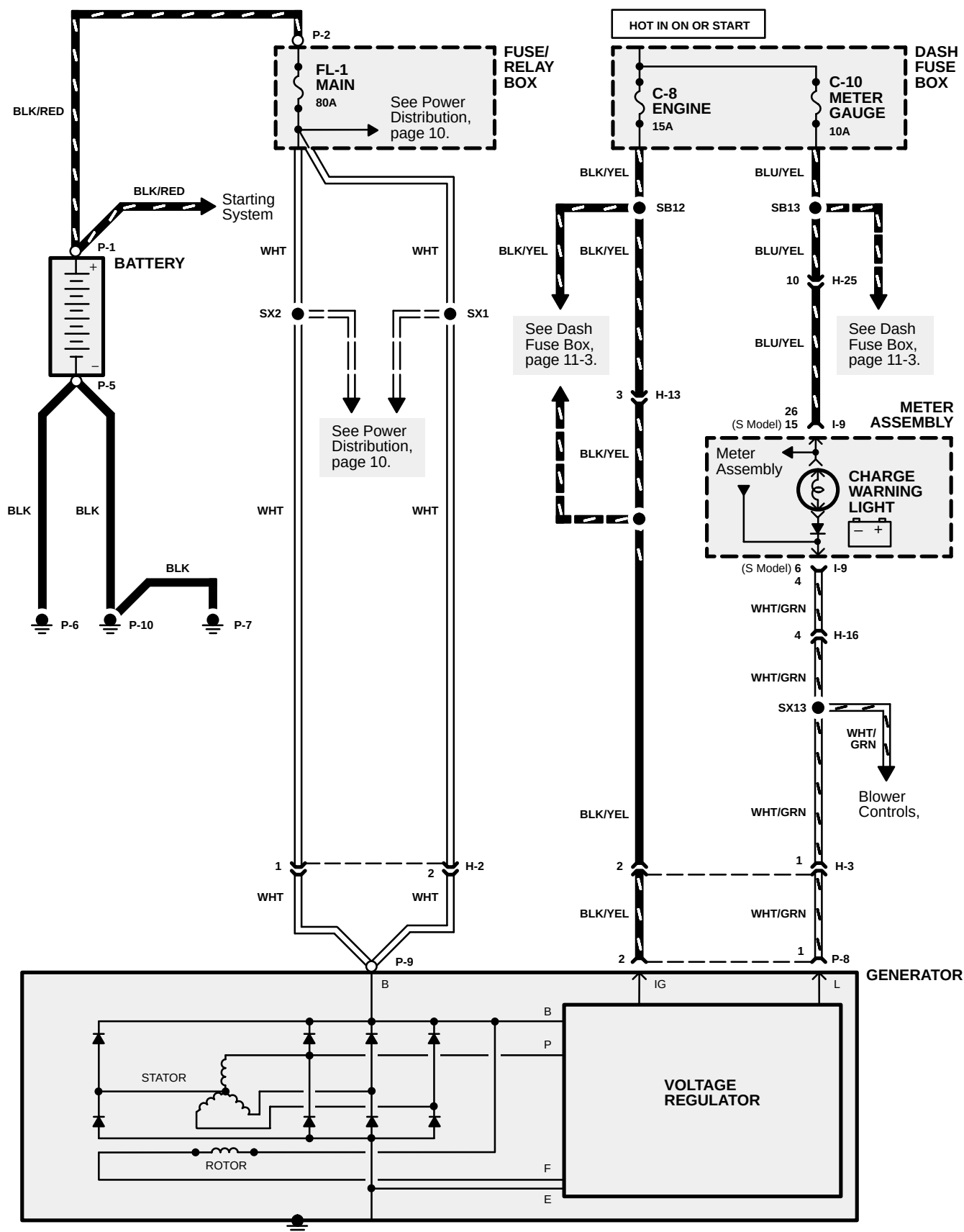
## Component Index

- Dash Fuse Box
- Fuse/Relay Box
- Generator

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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 dash side trim panel . . . . . 55                          |
| Engine or Powertrain Control<br>Module (ECM or PCM) . . . . . | Right side of engine compartment . . . . . 60                          |
| Fuse/Relay Box . . . . .                                      | Right side of engine compartment, on inner fender panel . . . . . 41   |
| Generator . . . . .                                           | Lower right front of engine . . . . . 5                                |
| <b>Connector</b>                                              |                                                                        |
| H-2 (2-GRY) . . . . .                                         | Right side of engine compartment . . . . . 40                          |
| H-3 (3-BLK) . . . . .                                         | Right side of engine compartment . . . . . 40                          |
| H-13 (6-BLK) . . . . .                                        | Below I/P, above right dash side trim panel, on bracket . . . . . 100  |
| H-16 (22-WHT) . . . . .                                       | Behind right dash side trim panel . . . . . 120                        |
| H-25 (22-BLU) . . . . .                                       | Below I/P, above left dash side trim panel, on bracket . . . . . 71    |
| H-41 (16-BLK) . . . . .                                       | Right front of engine compartment . . . . . 31                         |
| I-9 (30-GRN) . . . . .                                        | On left top of meter assembly . . . . . 53                             |
| <b>Ground</b>                                                 |                                                                        |
| 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, near power steering pump                   |
| <b>Terminal</b>                                               |                                                                        |
| P-2 . . . . .                                                 | In fuse/relay box . . . . . 36                                         |

## 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.