

SD110-9

The diagram illustrates the electrical system for the engine control, divided into two main sections: the top section (light blue background) and the bottom section (white background).

Top Section (Engine Control Relay and Fuel Pump):

- From Battery (SD110-6):** The main power source, connected to a fuse (F4 20A) and a relay (Q).
- ENGINE CONTROL RELAY:** A relay that controls the fuel pump and ignition coils. It is connected to the battery and the fuel pump relay.
- FUEL PUMP RELAY:** A relay that controls the fuel pump. It is connected to the engine control relay and the fuel pump.
- Fuses:** F4 20A, F53 20A, F56 10A, F43 10A, F40 20A, F42 15A, F39 10A.
- Ignition Coils:** F43 10A, F40 20A, F42 15A, F39 10A.

Bottom Section (PCM and Sensors):

- PCM (Powertrain Control Module):** The main control unit, connected to the battery and various sensors.
- Sensors and Actuators:**
 - OIL LEVEL SENSOR:** Connected to the PCM via a 0.5L/O wire.
 - OXYGEN SENSOR (UP):** Connected to the PCM via a 0.5P wire.
 - OXYGEN SENSOR (DOWN):** Connected to the PCM via a 0.5P wire.
 - IGNITION COIL #1, #2, #3, #4:** Connected to the PCM via 1.25P wires.
 - COOLING FAN CONTROLLER:** Connected to the PCM via a 0.5Gr wire.
 - E/R JUNCTION BLOCK:** A junction block for the engine relay, connected to the PCM via a 0.5Gr wire.
 - PURGE CONTROL SOLENOID VALVE:** Connected to the PCM via a 0.5Y/B wire.
 - OIL CONTROL VALVE (EXHAUST):** Connected to the PCM via a 0.5R wire.
 - VARIABLE INTAKE SOLENOID VALVE:** Connected to the PCM via a 0.5R wire.

Wire Colors and Gauges:

- 0.5L/O:** Blue wire, 0.5L gauge.
- 0.5Gr/O:** Green wire, 0.5Gr gauge.
- 0.5P:** Pink wire, 0.5P gauge.
- 0.5Gr:** Green wire, 0.5Gr gauge.
- 0.5Y/B:** Yellow/Black wire, 0.5Y/B gauge.
- 0.5R:** Red wire, 0.5R gauge.