

SD110-9

The diagram illustrates the electrical system for the 2007 Honda CBR600F4i motorcycle. It shows the power distribution from the battery to various components, including the PCM, engine control relay, fuel pump, fuel pump relay, ignition coils, cooling fan controller, and various sensors and actuators. The diagram is color-coded by wire type and includes wire gauges.

Legend:

- Blue: 0.5L/O
- White: 2.0W
- Green: 0.5Gr/O
- Pink: 0.5P
- Grey: 0.5Gr
- Red: 0.5R
- Yellow: 0.5Y/B
- Black: 0.5L/O

Key Components and Connections:

- From Battery (SD110-6):** Connected to the PCM (pins 24, 2, 20, 12, 16, 3, 5, 6), Engine Control Relay, Fuel Pump, Fuel Pump Relay, Ignition Coils #1-4, Cooling Fan Controller, E/R Junction Block, and various sensors/actuators.
- PCM (Powertrain Control Module):** Pins 24, 2, 20, 12, 16, 3, 5, 6. Connected to the Engine Control Relay, Fuel Pump, Fuel Pump Relay, Ignition Coils #1-4, Cooling Fan Controller, E/R Junction Block, and various sensors/actuators.
- Engine Control Relay:** Connected to the PCM, Fuel Pump, Fuel Pump Relay, Ignition Coils #1-4, Cooling Fan Controller, E/R Junction Block, and various sensors/actuators.
- Fuel Pump:** Connected to the Engine Control Relay, Fuel Pump Relay, Ignition Coils #1-4, Cooling Fan Controller, E/R Junction Block, and various sensors/actuators.
- Fuel Pump Relay:** Connected to the Engine Control Relay, Fuel Pump, Fuel Pump Relay, Ignition Coils #1-4, Cooling Fan Controller, E/R Junction Block, and various sensors/actuators.
- Ignition Coils #1-4:** Connected to the Engine Control Relay, Fuel Pump, Fuel Pump Relay, Ignition Coils #1-4, Cooling Fan Controller, E/R Junction Block, and various sensors/actuators.
- Cooling Fan Controller:** Connected to the Engine Control Relay, Fuel Pump, Fuel Pump Relay, Ignition Coils #1-4, Cooling Fan Controller, E/R Junction Block, and various sensors/actuators.
- E/R Junction Block:** Connected to the Engine Control Relay, Fuel Pump, Fuel Pump Relay, Ignition Coils #1-4, Cooling Fan Controller, E/R Junction Block, and various sensors/actuators.
- Sensors and Actuators:**
 - W/O Euro2:** Connected to the PCM, Engine Control Relay, Fuel Pump, Fuel Pump Relay, Ignition Coils #1-4, Cooling Fan Controller, E/R Junction Block, and various sensors/actuators.
 - BLDC 600W:** Connected to the PCM, Engine Control Relay, Fuel Pump, Fuel Pump Relay, Ignition Coils #1-4, Cooling Fan Controller, E/R Junction Block, and various sensors/actuators.
 - BLDC 280W:** Connected to the PCM, Engine Control Relay, Fuel Pump, Fuel Pump Relay, Ignition Coils #1-4, Cooling Fan Controller, E/R Junction Block, and various sensors/actuators.
 - Purge Control Solenoid Valve:** Connected to the PCM, Engine Control Relay, Fuel Pump, Fuel Pump Relay, Ignition Coils #1-4, Cooling Fan Controller, E/R Junction Block, and various sensors/actuators.
 - Oil Control Valve (Exhaust):** Connected to the PCM, Engine Control Relay, Fuel Pump, Fuel Pump Relay, Ignition Coils #1-4, Cooling Fan Controller, E/R Junction Block, and various sensors/actuators.
 - Variable Intake Solenoid Valve:** Connected to the PCM, Engine Control Relay, Fuel Pump, Fuel Pump Relay, Ignition Coils #1-4, Cooling Fan Controller, E/R Junction Block, and various sensors/actuators.