

HONDA ELECTRIC FUEL PUMPS

Accord
Civic
Prelude

REMOVAL & INSTALLATION

DESCRIPTION

Electric fuel pump is located at left rear corner of vehicle on Accord models, left side of fuel tank on Civic hatchback and sedan models, above right rear corner of fuel tank on Civic wagon models, and on left front corner of fuel tank on Prelude models. Fuel pump is a sealed unit and is serviceable as an assembly only.

OPERATION & TESTING

A solid-state relay senses negative pulsations at the ignition coil and switches the pump on when the engine is running or the starter is engaged. Relay is located under dash panel at left side of driver's compartment. Circuit is protected by fuse in fuse box as well as main in-line fuse.

Electrical Testing — 1) With ignition switch OFF, connect positive probe of voltmeter to Black/Yellow wire terminal of fuel pump relay connector, and negative probe to ground (Black) terminal. Turn ignition switch on and check for voltage. If no voltage, check fuse and continuity of Black/Yellow wire.

2) If voltage is available, connect the positive probe of voltmeter to Blue wire at pump cut-off relay and negative probe to ground. Turn ignition switch ON and check for battery voltage. If voltmeter does not indicate battery voltage, check Blue wire between connector and negative side of coil. Turn ignition switch OFF.

3) Disconnect relay connector. Attach jumper wire between 2 Black/Yellow wires of connector and turn ignition switch ON. If fuel pressure is now available, replace fuel cut-off relay. If fuel pressure is not available, proceed to fuel pump operational testing.

Fuel Pump Operational Testing — 1) Attach jumper wire between 2 Black/Yellow wires in fuel pump cut-off relay connector. Disconnect fuel hose to carburetor and cap T-fitting. Install pressure gauge to fuel hose. Turn ignition switch ON and check for normal pressure 2-3 psi (.14-.21 kg/cm²).

2) Remove pressure gauge and hold measuring beaker under fuel hose. Turn ignition switch ON and measure amount of fuel flow in 60 seconds. With 10 volts minimum battery voltage, flow should be as indicated in chart.

SPECIFICATIONS

| Application | Pressure psi (kg/cm ²) | Volume oz./minute |
|---------------|---------------------------------------|----------------------|
| Accord | 2-3 (.14-.21) | 21 |
| Civic | 2-3 (.14-.21) | 17 |
| Prelude | 2-3 (.14-.21) | 23 |

Raise vehicle and support on jack stands. On Civic Hatchback and Sedan models, remove left rear wheel. On all models, disconnect electrical leads at pump and clamp fuel lines between pump and tank. Remove fuel pump cover bolts and lift off cover and pump as an assembly. Disassemble pump from cover. To install, reverse removal procedure.

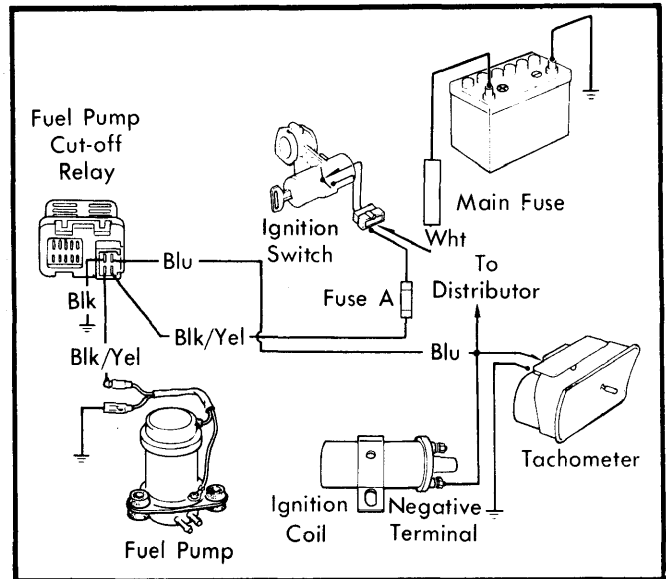


Fig. 1 Fuel Pump Electrical Circuit & Components for Accord Models

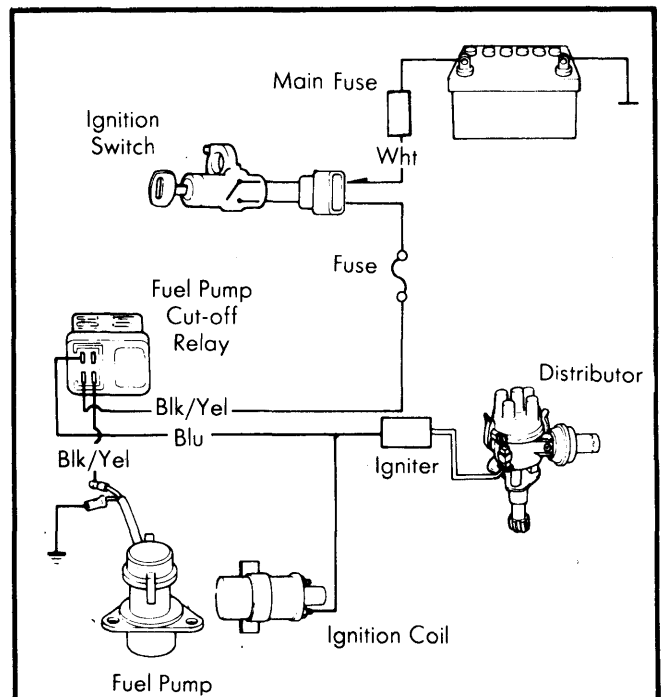


Fig. 2 Fuel Pump Electrical Circuit & Components for Civic & Prelude Models