

# 1982 Electric Fuel Pumps

## HONDA ELECTRIC FUEL PUMPS

Accord, Civic & Prelude

### DESCRIPTION

The electric fuel pump is located at the left rear corner of vehicle on Accord models. On Civic hatchback and sedan models it is located on the left side of the fuel tank.

On Civic wagon models it is located above the right rear corner of the fuel tank. On Prelude models the fuel pump is at the left corner of fuel tank. Fuel pump is a sealed unit and is servicable as an assembly.

### 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 the left side of driver's compartment. Circuit is protected by a fuse in the fuse box as well an in-line fuse.

### ELECTRICAL TESTING

- 1) With ignition switch on, use a voltmeter to check for voltage at Black/Yellow wire terminal of fuel pump cut-off relay connector. The fuel pump relay is located on the fuse panel. If no voltage, check fuse and continuity of Black/Yellow wire.
- 2) If voltage is available, check Blue wire at cut-off relay for battery voltage. If Blue wire does not show battery voltage, check it for continuity between connector and negative side of coil.
- 3) Turn ignition switch off and disconnect relay connector. Attach jumper wire between the 2 Black/Yellow wires of connector and turn ignition switch on.
- 4) If fuel pressure is now available, replace the cut-off relay. If no pressure is 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 of 2-3 psi (.14-.21 kg/cm<sup>2</sup>).
- 2) Remove pressure gauge and hold measuring cup under fuel hose. Turn ignition switch on and measure the 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 <sup>2</sup> )	Volume oz./minute
Accord .....	2-3 (.14-.21)	21
Civic .....	2-3 (.14-.21)	17
Prelude .....	2-3 (.14-.21)	23

### REMOVAL & INSTALLATION

- 1) Raise vehicle and support on jack stands. On Civic Hatchback and Sedan models, remove the left

rear wheel. On all models, disconnect the electrical leads at fuel pump and clamp fuel lines between pump and tank.

- 2) 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

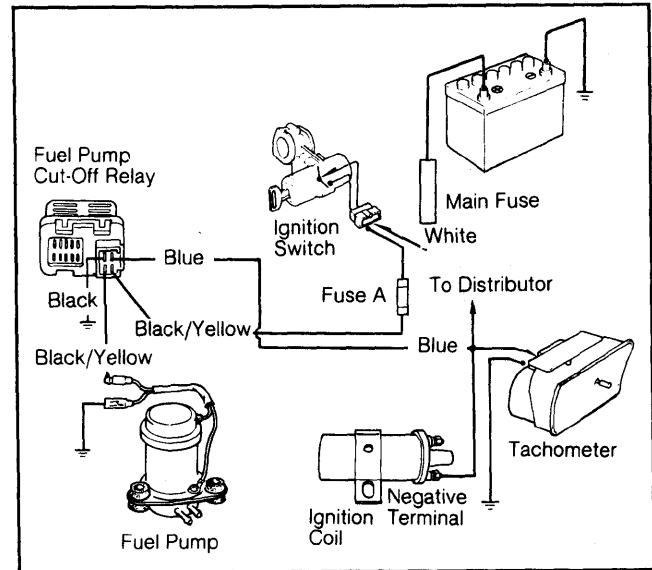


Illustration applies to the Accord model only.

Fig. 2: Fuel Pump Electrical Circuit & Components

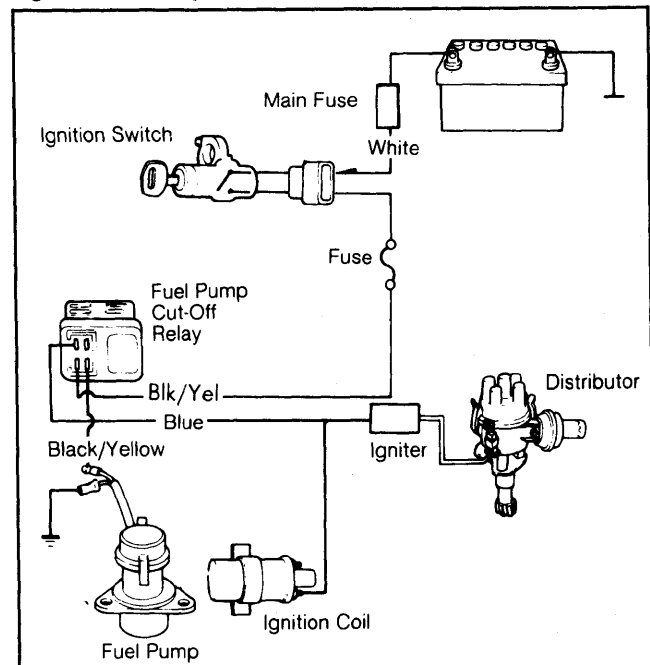


Illustration applies to Civic & Prelude models.