

# Fuel Supply System

## Fuel Filters

### Replacement

Replace both front and rear filters at every 2 years or 40,000 km (24,000 miles) whichever comes first.

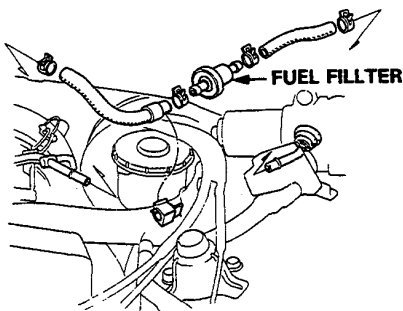
**WARNING** Do not smoke while working on the fuel system. Keep open flame away from work area.

#### Front

1. Use fuel line clamps to pinch off the fuel lines.
2. Disconnect the fuel lines and remove the fuel filter.

**CAUTION:** When disconnecting the fuel lines, slide back the clamps then twist the lines as you pull, to avoid damaging them.

3. Install the new fuel filter.
4. Remove the fuel line clamps.

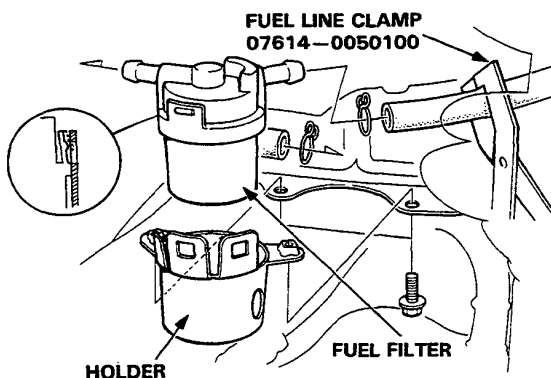


#### Rear

1. Block front wheels. Jack up the rear of the car and support with jackstands.
2. Push in the tab of the fuel filter to release the holder, then remove the filter from its bracket.
3. Attach fuel line clamps to the fuel lines and disconnect the lines from the filter.

**CAUTION:** To avoid damaging the fuel lines when disconnecting, slide back the clamps then twist the lines as you pull.

4. Install in the reverse order of removal.



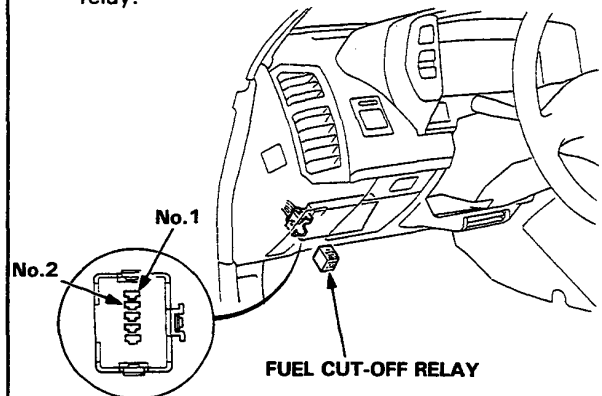
## Fuel Pump

### Testing

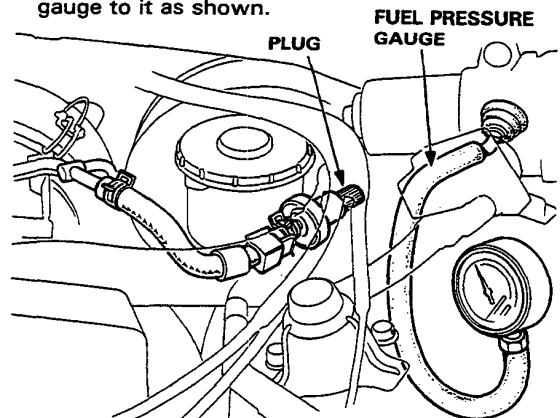
**WARNING** Do not smoke during the test. Keep any open flame away from your work area.

**NOTE:** Check for a clogged fuel filter and or fuel line before checking fuel pump pressure.

1. Remove the dashboard under cover and the fuel cut-off relay from the fuse box.
2. Connect the No.1 terminal to the No.2 terminal located at the fuse box side of the fuel cut-off relay.



3. Disconnect the fuel line at the fuel filter in the engine compartment, and connect a pressure gauge to it as shown.



4. Turn ignition ON until pressure stabilizes, then turn key off.

Pressure should be 11.8–17.7 kPa (1.7–2.6 psi).

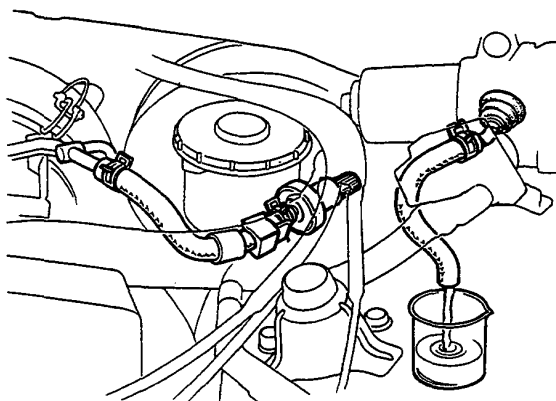
- If gauge shows at least 11.8 kPa (1.7 psi) go on to step 5.
- If gauge shows less than 11.8 kPa (1.7 psi), replace pump and retest.



5. Remove pressure gauge and hold a graduated container under the hose.
6. Turn ignition ON for 60 seconds, then turn ignition OFF and measure amount of fuel flow.

Fuel flow should be 825 cm<sup>3</sup> (27.9 oz.)—1,090 cm<sup>3</sup> (36.9 oz.) in 60 seconds.

- If fuel flow is within specification, reconnect cut-off relay and fuel hose.
- If fuel flow is less than 825 cm<sup>3</sup> (27.9 oz.) or more than 1,090 cm<sup>3</sup> (36.9 oz.), check the fuel cut-off relay (page 6-54).



## Replacement

**WARNING** Do not smoke while working on fuel system. Keep open flames away from your work area.

1. Remove the left maintenance access cover in the luggage area.
2. Disconnect the fuel lines and connector.
3. Remove the fuel pump mounting bolts.
4. Remove the fuel pump from the fuel tank.

**NOTE:** If it is hard to remove, slide the fuel tank down by loosening the fuel tank mounting nuts.

5. Install the fuel pump in the reverse order of removal.

**NOTE:** When installing the maintenance access cover, make sure the seal is in place.

