

## 14-2 FUEL SYSTEM

**ETHANOL**—(Ethyl or Grain Alcohol) is used as a mixture of 10% ethanol and 90% unleaded gasoline. These fuel blends are usually identified at the pump as “ethanol enhanced,” “contains ethanol,” or “gasohol.” Gasoline blended with ethanol, may be used in your vehicle. Note that these blends, due to their generally higher volatility, may adversely affect the starting, driveability and fuel efficiency of your vehicle. If problems are experienced with ethanol/gasoline blends, it is recommended that the vehicle be operated on gasoline.

**METHANOL**—(Methyl or Wood Alcohol) is used in

a variety of concentrations blended with unleaded gasoline. You may encounter fuels containing 3% or more methanol along with other alcohols, called cosolvents.

**Do not use gasolines containing methanol.**

Use of methanol/gasoline blends may result in starting and driveability deterioration and damage to critical fuel system components.

Fuel system damage and vehicle performance problems, resulting from the use of gasolines containing methanol, are not the responsibility of Chrysler Motors and may not be covered by the new vehicle warranty.

### FUEL DELIVERY SYSTEM

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### MECHANICAL FUEL PUMP SYSTEM

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### FUEL PUMP

The fuel pump is a mechanical type with an integral vapor separator for satisfactory hot weather performance.

This fuel pump is driven by an eccentric cam that is cast on the accessory drive shaft.

If after testing, replacement of the fuel pump is necessary, be sure to use the correct part number pump.

### FUEL FILTER

There are two fuel filters in the present system. One is part of the gauge unit assembly located inside the fuel tank on the end of the fuel suction tube. This filter does not normally need servicing, but can be replaced if necessary.

The second filter is a sealed paper element, disposable type unit, located in the fuel line on the engine (Fig. 2).

A plugged fuel filter can limit the speed at which a vehicle can be driven and can cause hard starting. If these conditions occur the filter should be replaced.

#### Fuel Filter Reservoir 2.2L

The filter reservoir on the 2.2L engine is to filter the fuel before entering the carburetor. The reservoir allows fuel vapors to return to the fuel tank and maintains a continuous flow of fuel to the carburetor (Fig. 2).

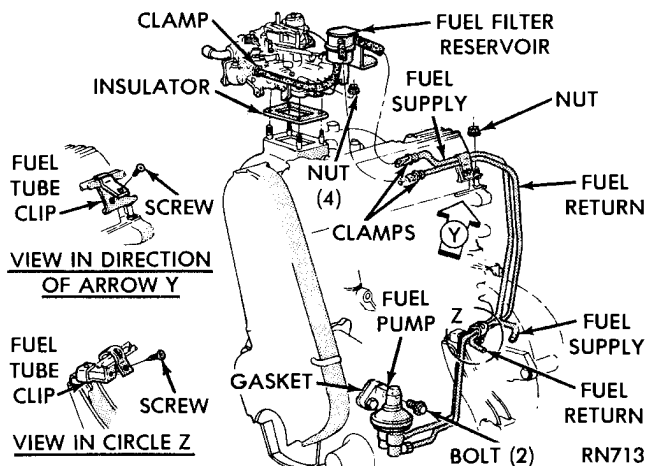


Fig. 1—Engine Fuel Line Routing 2.2L Engine