

DESCRIPTION AND OPERATION (Continued)

The restricted fuel tank filler pipe is manufactured as an assembly, and must be serviced by removal and replacement with a new fuel tank filler pipe assembly. Fuel tank filler pipes are not to be modified in any way.

Fill limiting is accomplished through fuel tank filler pipe configuration. The fill limiting system is designed to permit an approximate 10 to 12 percent fuel tank volume air space when the fuel tank is filled to capacity. This air space provides for thermal expansion of fuel as well as being an aid to the in-tank vapor vent system.

FF Vehicle Fuel Filler Pipe

The fuel tank filler pipe has a special methanol resistant coating to protect against corrosion. A special screen is installed in the fuel tank filler pipe to prevent syphoning of fuel from the fuel tank through the fuel tank filler pipe. A vent hose is connected between the top of the fuel tank filler pipe and the fuel vapor valve (9B593) on the fuel tank.

Fuel Cap

WARNING: FUEL TANK MAY BE PRESSURIZED. REMOVE FUEL TANK FILLER CAP SLOWLY. IF FUEL TANK FILLER CAP IS VENTING FUEL OR A HISSING SOUND IS HEARD, WAIT UNTIL THE CONDITION STOPS BEFORE REMOVING THE FUEL TANK FILLER CAP. IF THESE PRECAUTIONS ARE NOT FOLLOWED, FUEL MAY SPRAY AND CAUSE PERSONAL INJURY.

The fuel tank filler cap (9030) is a threaded screw-on design with a pre-vent feature that allows the fuel tank to vent for the first three-quarter turn before unthreading. All fuel tank filler caps are attached to the vehicle with a tether using the fuel tank filler pipe-to-housing screw at the three to four o'clock position. The fuel tank filler cap assembly provides pressure and vacuum relief functions and should be replaced with the proper pressure / vacuum relief fuel tank filler cap to prevent possible system malfunction. The fuel tank filler cap is fitted with a torque-limiting ratchet to prevent difficulty in removal. When installing, turn clockwise until the ratchet mechanism gives off three or more distinct "clicks".

WARNING: DO NOT SMOKE, CARRY LIGHTED TOBACCO OR AN OPEN FLAME OF ANY TYPE WHEN WORKING ON OR NEAR ANY FUEL-RELATED COMPONENT. HIGHLY FLAMMABLE MIXTURES ARE ALWAYS PRESENT AND MAY BE IGNITED, RESULTING IN POSSIBLE PERSONAL INJURY.

Fuel Filter

Fuel is filtered at three locations on all applications.

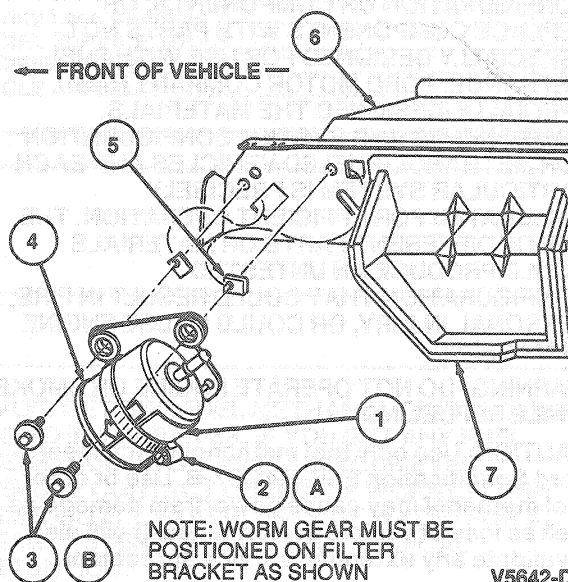
Fuel Pump Inlet Filter

A nylon filter element is mounted on the electric fuel pump inlet inside the fuel tank and is used to protect the fuel pump (FP) (9350) from fuel tank contaminants.

Fuel Filter, In-Line

The purpose of the in-line fuel filter is to provide filtration to protect the small metering orifices of the injector nozzles. The fuel filter is located downstream of the electric fuel pump and is mounted on the underbody. The fuel filter is a one-piece construction which cannot be cleaned. If it becomes clogged it must be replaced.

The FF vehicle fuel filter is fuel methanol compatible. Use of a gasoline fuel filter will result in failure of the filter. The filter is located at the rear of the fuel tank.



Item	Part Number	Description
1	9B072	Filter and Bracket Assy
2A	—	Worm Gear Mounting Clamp
3B	N606679-S56	Screw (2 Req'd)
4	9155	Filter
5	N623332-S36	U-Nut (2 Req'd)
6	—	Underside Of Right Rear Frame Rail
7	—	Right Rear Tension Strut Support Bracket
A		Tighten to 1.7-2.8 N·m (15-25 Lb·In)
B		Tighten to 8-12 N·m (71-106 Lb·In)