

FUEL INJECTION IN-TANK FUEL PUMP REPLACEMENT INSTRUCTIONS

PRECAUTIONS FOR FUEL SYSTEM SERVICE

TO REDUCE THE RISK OF FIRE AND PERSONAL INJURY IT IS NECESSARY TO OBSERVE THE FOLLOWING PRECAUTIONS:

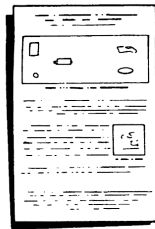
- Perform this repair **ONLY** in a properly equipped service facility.
- Position the vehicle in a clear, level, well ventilated work area.
- Make sure there are no sources of spark or combustion near the work area.
- Perform work in a no-smoking area, or post no-smoking signs in the area selected.
- Have readily available a fully functional Class B fire extinguisher of adequate size (such as a 5 pound CO-2 as a minimum).
- Disconnect the ground cable from the vehicle's battery before performing any operation involving gasoline, gasoline tanks or gasoline lines.
- Allow the vehicle to cool before performing any operation which could possibly expose gasoline or gasoline vapors to hot parts such as catalytic converters, hot light bulbs, or similar components.

- Avoid using extension cords or lights which might overheat or cause sparks.
- Avoid inhaling gasoline fumes and prolonged skin contact with gasoline. Promptly wash any body areas which have been in contact with gasoline.
- Wear approved safety glasses while performing any repairs.
- When raising the vehicle to perform under-vehicle services, use proper hoisting or jacking equipment along with approved safety supports.
- When removing the gasoline from a fuel tank use an OSHA approved pump which is specifically designed for handling gasoline. **DO NOT USE** any other type of pump. Gasoline removed from a fuel tank must be stored in approved gasoline containers.

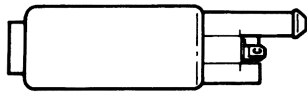
It is impossible to anticipate all possible risks and conditions under which repairs may be made to a fuel system. Therefore, in addition to the safety concerns listed, you are urged to carefully evaluate the hazards involved in such a service procedure and take whatever further precautions that may be necessary.

PUMP INSTALLATION REQUIREMENTS

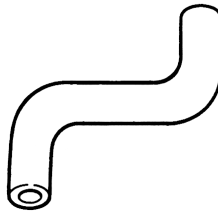
1. INSTRUCTIONS



2. FUEL PUMP



3. FUEL HOSE (FORMED)



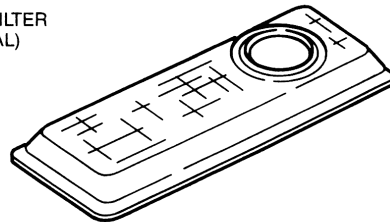
4. HOSE CLAMP



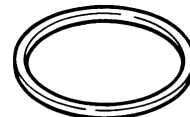
5. FUEL PUMP ISOLATOR



6. FUEL FILTER (TYPICAL)



7. O-RING FUEL TANK TO PUMP BRACKET



8. FUEL LINE RETAINING CLIPS



1/4" FUEL LINE
DUCKBILL STYLE

5/16" FUEL LINE
HAIRPIN STYLE

WARNING: This rotary fuel injection pump **WILL NOT** work on carbureted fuel systems. It is for electronic fuel injection only.

CAUTION: Read these instructions thoroughly from start to finish before attempting to replace the fuel pump.

MINIMUM TOOL REQUIREMENTS:

- Hoist or end lift jack
- OSHA approved safety stands
- OSHA approved fuel transfer pump
- OSHA approved fuel storage containers
- Variety of mechanics hand tools.

FUEL PUMP REPLACEMENT INSTRUCTIONS

NOTE: The words "pump bracket" used throughout these instructions means fuel pump mounting bracket and fuel level sender assembly.

I PREPARATIONS

A) Relieve Fuel System Pressure

1) Relieve the fuel system pressure by using a pressure gauge tool, Ford service tool number T80L-9974-B or equivalent. Connect the pressure gauge to the Schrader valve located on the engine fuel rail. Slowly open the pressure gauge valve and drain the fuel into a suitable container to relieve the fuel system pressure. **(This procedure is necessary since the**

fuel system can retain gasoline under pressure for a considerable period of time. Opening a pressurized line could spray fuel creating a risk of fire and/or personal injury.)

B) Remove the ground (-) cable from the battery and position it so that it cannot accidentally make a connection to the battery during the fuel pump replacement procedure.

C) First, make sure an appropriate fire extinguisher is at hand. Then, using an OSHA approved gasoline transfer pump, drain the fuel tank through the filler neck to remove as much fuel as possible. Store the fuel in approved safety containers only.

