TYPICAL INSTALLATION INSTRUCTIONS FOR FUEL PUMP/BRACKET ASSEMBLIES

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.

FUEL INJECTION IN-TANK FUEL PUMP REPLACEMENT INSTRUCTIONS

WARNING: This rotary fuel injection pump <u>WILL NOT</u> 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**

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

I. PREPARATIONS:

A) Relieve fuel system pressure.

1) Remove the fuel pump fuse from the fuse block.
2) Start the engine and let it run until it consumes any fuel in the lines and runs out of fuel.
3) After the engine stops, crank it again for at least 3 seconds to assure relief of remaining 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 batteryand position it so that it cannot accidentally make a connection to the battery during the fuel pump replacement procedure.

C) Drain the vehicle fuel tank.

1) First make sure an appropriate fire extinguisher (Class B – flammable liquids designation, as a minimum) is at hand. Then using an OSHA approved gasoline transfer pump, remove as much fuel as possible through the fuel tank filler neck. Store the fuel in approved safety containers only.
2) Lift and safely support the vehicle with approved safety stands with enough height to gain adequate access and clearance to remove the fuel tank.
3) As it may not be possible to remove enough fuel from the tank through the filler neck, more fuel may possibly be drained through bracket connections once the vehicle is raised.