Safety Information

The handling of flammable and toxic materials related to the repair of gasoline motor vehicles should be performed by experienced personnel in the passenger vehicle and light truck repair business. Appropriate personal safety precautions should be observed such as well-ventilated work area, safety goggles, protective clothing, as required. Smoking while performing repairs on the fuel system as well as working near electric heaters, near open flame or in the area of possibility of electrical sparks must be avoided.

Any spills should be cleaned up immediately and a Class B or C fire extinguisher should be readily available. Use the correct tools and OSHA approved safety devices when working with gasoline. Consult the appropriate repair manual for the application being worked on for step by step procedures and/or required tools.

Installation Instructions

1) Properly Diagnose the Fuel System
- a) The fuel system is comprised of many different components that include relays, connectors, wiring, filters as well as the fuel pump. The most common cause of fuel pump failure is contaminated fuel. Be sure to check the entire fuel system for proper operation prior to replacing the fuel pump.
- b) The warranty covers defects in workmanship. Products returned due to misdiagnosis, fuel contamination or other issues not related to the fuel pump will not be considered for warranty.

2) Fuel System Relief of Pressure
- a) This can be done in many ways. Consult a service manual specific to the application being worked on for proper procedures.

3) Disconnect the Battery and Remove the Fuel Pump Relay
- a) Disconnect the negative battery terminal and remove the fuel pump relay. Eliminate all possibility of engine cranking and/or sparks.

4) Remove Fuel from Gas Tank
- a) Pump or drain gasoline from the vehicles gas tank. Store gasoline in an OSHA approved container.
- b) Disposal of contaminated gasoline should be done so following local codes or regulations.

5) Fuel Tank Removal
- a) Removal of fuel tanks varies by model. Consult a service manual specific to the application being worked on for proper procedures.

6) Remove Fuel Pump From Tank
- a) This procedure varies by year and model. Consult a service manual specific to the application being worked on for proper procedures.

7) Flush and Clean Interior of Fuel Tank
- a) Cleaning the inside of the fuel tank is mandatory to validating the warranty on your new pump.
- b) Debris and contaminated fuel is the leading cause of fuel pump failure.
- c) Replacement of the strainer and fuel filter does not eliminate the need for cleaning the fuel tank interior.
- d) A local Fuel Tank Repair shop can properly clean the fuel tank if this task cannot be performed correctly by installer.
- e) Warranty does not cover failure due to contamination.

8) Inspect and Replace Wiring/Connectors and Hoses as Needed
- a) Replacement parts that are included with the new fuel pump must be replaced. All electrical connectors, wiring and hoses should be inspected and replaced as needed.
- b) Premature failure of the fuel pumps from overheating due to wiring or connectors are not covered by warranty if not replaced at the time of fuel pump installation.

9) Install New Fuel Pump and New Strainer
- a) New strainer must be installed at this time to validate the warranty
- b) Consult a service manual specific to the application being worked on for proper installation procedures for installing fuel pump strainer.

10) Reinstallation of Fuel Tank
- a) Consult a service manual specific to the application being worked on for proper fuel tank installation instructions.

11) Replace Fuel Filter
- a) The fuel filter should always be replaced at regular service intervals and whenever the fuel pump is replaced.
- b) Clogged fuel filter may cause lower fuel pump pressure and shorten the life of the fuel pump.

12) Install at Least Two Gallons of Clean Fuel into Fuel Tank
- a) Known clean fuel (from a filling station) is essential for proper fuel pump operation.

13) Testing Installation and Operation of Fuel Pump
- a) Reconnect vehicle battery.
- b) Reinstall fuel pump relay.
- c) Crank the engine to power fuel pump and check for leaks
- d) Correct any leaks and clean up any spills immediately.

Note: All fuel pumps are tested prior to leaving the manufacturing facility for proper operation.