



The EMPI Solid State Electronic Fuel Pump is designed to replace the original equipment fuel pump on carburetor-equipped cars, trucks, agricultural equipment, marine pleasure craft and generators. The solid state design provides greater reliability, and longer life, easy installation, freedom from hot weather vapor lock, and faster engine starting in cold weather. When properly installed your fuel pump will provide a consistent, steady fuel supply to keep your vehicle running smoothly for many years to come even under severe driving conditions.

OPTIONAL ITMES:

- (2) 5/16 inch fuel line fittings
- (2) 1/4 inch Hex self-tap screws
- (2) 1/4 inch nuts
- (2) 1/4 inch star washers
- (1) OIL PRESSURE SAFTEY SWITCH

REQUIRED ITEM: In-line fuel filter (74 micron) to be mounted in line between the fuel tank and the pump.

SUGGESTED TOOLS: Electric drill & 7/32 inch bit, tube cutter, hose clamp pliers, locking pliers, 7/16 inch wrench & fuel lines plugs, worm gear type hose clamps, wiring connectors, wire, 5/16 inch flex-hose.

PREPARATION

1. Needed: (ABC) fire extinguisher within reach.
2. Disconnect the vehicle battery, and relieve fuel line pressure, and disconnect fuel line.
3. Select mounting area where temperature won't exceed 140° (60°C).
4. Ensure fuel pumps electrical requirements match that of the vehicle's electrical system (+12VDC, Negative ground).

STRONGLY RECOMMENDED

Install an OIL PRESSURE SAFTEY SWITCH during installation of this fuel pump and connect the Red power lead to the P contact. This stops pump operation if the engine stops and the Ignition switch is ON.

INSTALLATION

NEGATIVE GROUND SYSTEM ONLY

1. Select mounting location; A clean section of the pan away from an area susceptible to road hazard damage and steering systems. **The pump must be within (12) vertical inches from the fuel tank (bottom).**
2. Position the pump in an upward direction at 45° away from the tank. Mark and drill (2) 7/32 inch holes into the pan aligned to the mounting bracket.
3. Place the pump over the holes and start the 1st - 1/4 inch self-tap screws into the frame. Start the 2nd screw capturing the black (neg) lead and the other hole. Tighten both screws.
4. Install the fuel line with inline fuel filter to the inlet inside. Reconnect fuel line to the outlet that goes to the engine compartment.
5. Connect the RED (positive) power lead to the OIL PRESSURE SAFETY SWITCH. If this pressure switch is not available connect to the ignition switch voltage supply terminal.
6. Reconnect the battery terminals.
7. Turn ignition switch to ON, and start engine. Observe the pump is operating by hearing a vibrating sound from it. Ensure there are no leaks in the fuel system.



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