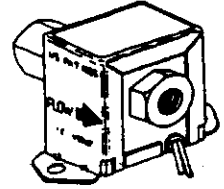


Facet

SOLID STATE ELECTRONIC FUEL PUMP

INSTALLATION

The Facet Solid State Electronic Fuel Pump is designed to replace the original equipment conventional pump. The solid state design provides several advantages over conventional pumps. These include: • Greater reliability and longer life • Easy installation • Freedom from hot weather vapor lock • Faster engine starting in cold weather. Your Facet electronic pump, with only two integrally sealed moving parts, provides efficient, highly reliable fuel delivery. Properly installed, the Facet electronic fuel pump will provide a consistent, steady fuel supply to keep your vehicle running smoothly for years even under severe driving conditions.



NOTE: This electronic fuel pump is not recommended for aircraft applications.
STOP! BEFORE INSTALLING THE FUEL PUMP, TAKE THE FOLLOWING PRECAUTIONS:

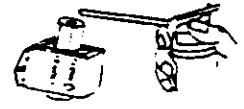
MAKE SURE YOU HAVE ALL THE TOOLS AND PARTS NECESSARY FOR A PROFESSIONAL INSTALLATION.

SUGGESTED TOOLS AND PARTS • Electric Drill #21 Bit • Tubing Cutter • Hose Clamp Pliers • Locking Pliers • Wrenches 1/2" • 9/16" • Fuel Line Plugs • Wire Brush • Flexible Fuel Line 5/16" • Fuel Line Clamps • Mounting Bolts 1/4" • Wiring Connectors • Wire (16 gauge min.) • On/Off switch • Low Oil Pressure Switch (Optional) • In-line Fuel Filter (Optional) • Fuel Line Fittings 5/16" (Obtain Locally).



CHECK FUEL PUMP

To check fuel pump operation, put a few drops of lightweight oil into both the input and output openings of the pump. Then observing voltage (12 volts for 12 volt models, 24 volts for 24 volt models) and polarity (+ or -) connect a jumper wire from the positive battery terminal to the power lead of the pump and connect another jumper wire from the battery negative terminal to the pump body. The pump should make a rapid clicking noise.

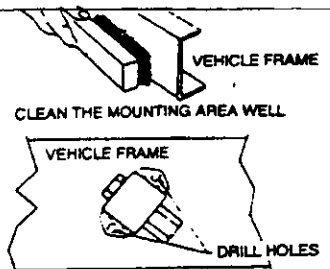


LUBRICATE THE CHECK BALL

INSTALLATION

1. DISCONNECT THE VEHICLE BATTERY

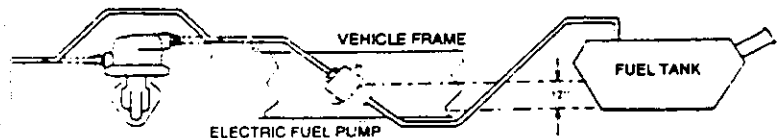
2. PREPARE MOUNTING AREA WARNING: Do not mount the new fuel pump in the engine compartment or in any area where the temperature will exceed 140° F (60°C). Mount the pump on the frame near the fuel tank, away from wires and the exhaust system. Do not place the pump more than 12" higher than the bottom of the fuel tank, and avoid areas susceptible to road hazard damage. **IMPORTANT:** Wire brush the mounting areas on the frame down to bare metal. The pump's body **MUST** be well grounded or the pump will not operate.



3. DRILL MOUNTING HOLES Loosen fuel line mounting brackets in the pump mounting area. Place pump on mounting surface so that the pump flow arrow points in the direction of the engine and the outlet end of the pump is angled upward at approximately 45 degrees. Mark both mounting holes. Drill 7/32" holes deep enough for mounting bolts.

4. MOUNT PUMP Place pump over drilled holes. Start one 1/4" self-tapping bolt. Insert remaining bolt through ground wire (black wire) terminal, or fasten a ground wire to a known good ground, and start bolt in remaining hole. Don't tighten the bolts yet.

CAUTION: Fuel may be under pressure or fuel may be spilled. **DO NOT** smoke near this area while installing fuel pump. Have an ABC Fire Extinguisher on hand. Clean up any spilled fuel at once.



5. DISCONNECT FUEL SUPPLY Apply locking pliers to flexible hose near the inlet side of the new pump to pinch off fuel supply. If there is no flexible hose in this area, drain the fuel tank or prepare to plug the line quickly after cutting.

6. CONNECT FUEL LINE TO PUMP Properly install fuel line fittings to the pump. **NOTE:** to protect the pump, install an in-line fuel filter between the fuel tank and the pump inlet. **FOR FLEXIBLE FUEL HOSE** Cut flexible fuel hose as near the pump as possible. Slide hose clamps over the fuel lines and fuel hose over each of the pump fuel line fittings (use additional flexible hose if needed). Tighten the clamps. The fuel line leading to the engine **MUST** attach to the pump connection marked with the flow arrow. **FOR METAL (RIGID) FUEL LINE** Cut out a section of the fuel line where you want the pump mounted, just a little longer than the overall length of the pump and fittings (or line filter if used) with a tube cutter. Immediately plug the lines with a golf tee or other suitable plug. Install flexible hose and clamps on pump fittings, slide remaining clamp on flexible hose (be sure these clamps are on flexible hose before connecting to fuel lines). Quickly remove plugs, slide flexible hose onto fuel line one at a time and secure clamps where needed for a good tight connection. The fuel line leading to the engine **MUST** attach to the pump connection marked with the flow arrow.

