

Installation Instructions for Professional Products® Powerflow™ Solid State Electronic Fuel Pump

#10700 – 4 to 7 PSI - Intended for most carbureted domestic vehicle applications.

#10701 – 2 to 3.5 PSI - Intended for most carbureted import vehicle applications.

This fuel pump is intended as a replacement item for the original equipment fuel pump on carbureted equipped cars, trucks, agricultural equipment, marine pleasure craft and generators. The design and construction of this pump provides greater reliability, longer life, easy installation, elimination of hot weather vapor lock, and easier starting in cold weather.

Included in Kit:

Fuel Pump
Two barbed hose fittings for 5/16" hose
Two self tapping sheet metal screws
Two nuts and lock washers

Additional parts required

Inline Fuel Filter for 5/16" hose
Professional Products #10200* (Blue)
Professional Products #10201* (Red)
Professional Products #10202* (Aluminum)

*Or any similar style inline fuel filter

Three short lengths of 5/16" hose (Total approximately 6-inches total)

Four worm gear type hose clamps for 5/16" hose

Wiring connectors and wire

Optional (Highly recommended)

Oil pressure safety switch (Facet/Purolator #479809)

Suggested Tools

Electric drill
7/32" drill bit
Tube cutter
Screwdriver
7/16" wrench
Locking pliers

Preparation Steps

1. Make sure that a fire extinguisher suitable for gasoline fires is close at hand.
2. Disconnect the positive lead from the battery.
3. Relieve fuel pressure by disconnecting fuel line from existing fuel pump.
4. Make sure that this fuel pump's electrical requirements match your vehicle. Must be +12vdc with negative ground.

Strongly Recommended

Install an Oil Pressure Safety Switch. Connect the red power lead of the fuel pump to the "P" contact of the Oil Pressure Safety Switch. This prevents the pump from operating if the engine stops running but the ignition switch is "on."

Installation (For Negative Ground System Only)

1. Find a suitable mounting location. This is usually on the inside of the frame rail. Must be located away from potential road hazard damage, exhaust heat, and must be positioned vertically within 12-inches of the bottom surface of the gas tank. It must also be adjacent to the existing fuel line.
2. Cut existing fuel line with tubing cutter. Watch for any spilled fuel.
3. Position the pump at approximately a 45° angle on the mounting surface with the outlet pointing up. Mark two mounting holes using the pump as a template. Drill holes out to 7/32" with drill. Scrape any paint away from frame in area where pump will be attached to ensure a good electrical ground. (See illustration for mounting at 45° angle.)
4. Position the pump over the holes and thread the supplied self tapping screws into the holes. Be sure to place one of the screws through the eyelet from the black wire on the pump. Use 7/16" wrench to tighten snugly. If using rubber isolation mounts, (Facet/Purolator #479807) use the supplied nuts and lockwashers to attach pump to mounts.

5. Install the fuel filter as shown in the diagram. It goes on the inlet side of the fuel pump. Reconnect all the fuel lines using short rubber hoses and clamps as shown in the diagram to the existing fuel line.
6. Connect the red lead from the pump to the Oil Pressure Safety Switch. If this pressure switch is not available, attach the red lead to the ignition switch power supply terminal.
7. Reconnect the battery cable.
8. Turn ignition switch on and start engine. Check for sound of pump running or put hand on pump to feel it running if you can't hear it. Check for any fuel leaks. If leaks occur, turn off ignition switch and fix leaks. Clean up any spilled fuel. Turn ignition switch on again, start engine and recheck that pump operates and no fuel is leaking.

