

Installation Instructions for 555-159076

JEGS High Volume Inline Fuel Pump

CAUTION!

Installation of the JEGS Inline Fuel Pump requires the installer to handle gasoline. It is imperative that all work is carried out in a well-ventilated area and a fire extinguisher rated for gasoline fires is within easy reach of all personnel working on the fuel system. Extinguish all open flames, prohibit smoking, and eliminate all sources of static electricity or any other source of ignition **BEFORE** proceeding with installation.

Wear protective clothing, goggles, and gloves rated for gasoline. Contact with gasoline is hazardous to your health; ensure that you are well protected from contact with gasoline.

The Inline Fuel pump is **ONLY** compatible with gasoline. The Inline Fuel Pump can be used as an in tank pump or an externally mounted pump. Ensure that the wiring to the pump is rated for at least **25 amps** and the insulation is rated for automotive use. Use a fused circuit for the pump with a fuse rated at 25 amps.

The JEGS Inline Fuel Pump is intended for **electronic fuel injection systems only**. It is not suitable for **CARBURETED** engines. Fuel Pump designed to be used externally or as an in-tank installation. A pre-filter rated at 100 microns **MUST** be used. Failure to use a suitable pre-filter will result in premature failure of the pump.



1-800-345-4545 jeps.com

Installation Instructions for 555-159076 JEGS High Volume Inline Fuel Pump

FUEL HOSE ROUTING AND INSTALLATION

IMPROPER FUEL HOSE ROUTING AND INSTALLATION DRAMATICALLY INCREASES THE RISK OF FIRE. BE SURE TO FOLLOW THE FOLLOWING GUIDELINES:

It is important to ensure that the hoses or lines for the fuel delivery system are clean, not kinked, do not pass hot exhaust components and are terminated correctly. Inadequate fuel delivery often is the cause of calibration errors that may be detrimental to engine life. NEVER route fuel hoses through the interior of a car. Whenever possible, use a delivery tube to make the connection from the pump discharge to the filter in the front of the car.

The lines should be rated to withstand at least twice the maximum pressure of the EFI system. When routing fuel lines, it is imperative that they are protected from road hazards and the exhaust system heat. The fuel line should NEVER be routed near battery cables. Use clamps to secure AN hose every 15 inches, or 24 inches if a rigid tube is used. Use the following table will help you determine which hose size is correct for your application.

ELECTRICAL REQUIREMENT

The supply voltage will affect the fuel delivery of the JEGS Inline Fuel Pump. The typical electrical system on modern cars is between 13.2 – 14.2 volts. Although the JEGS Inline Fuel Pump will run at lower voltages the flow will be lower. Ensure the voltage is 13.5V at the pump. The current requirement is a FUSED circuit capable of conducting 25 amps. Failure to use a fuse WILL cause a fire hazard in the event the pump fails from contamination. The correct wire size will be determined by the length of wire, the wire type and the resistance of any terminals, splices or solder joints in the electrical or ground supply. The ground is equally important and the preferred ground is to route the ground wire to a star ground source that is directly attached to the battery negative post. The minimum wire gauge is 14 gauge. TXL wire. Twelve feet (12') of TOTAL CIRCUIT length (power & ground) 12 gauge is required and Twenty feet (20') 10 gauge is required.

Before wiring the pump to the electrical system make sure the polarity is correct. Connecting the pump with reverse polarity will damage the pump and will void the warranty. The pump has markings in the discharge end cap at the fitting boss to indicate polarity, Red is positive (+) and Blue is negative (-). Post installation inspection

BEFORE starting the engine, ensure there are no leaks at any point in the fuel system. This pump is capable of generating more than 125 PSI fuel pressure so excellent fuel system integrity is required. Check every connection point visually and mechanically. While the system is powered up, move fuel hoses to ensure all fittings are seated correctly.



1-800-345-4545 jeps.com