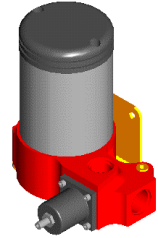




AEROMOTIVE Part # 11202 INSTALLATION INSTRUCTIONS



CAUTION:

Installation of this product requires detailed knowledge of automotive systems and repair procedures. We recommend that this installation be carried out by a qualified automotive technician.

Installation of this product requires handling of gasoline. Ensure you are working in a well ventilated area with an approved fire extinguisher nearby. Extinguish all open flames, prohibit smoking and eliminate all sources of ignition in the area of the vehicle before proceeding with the installation.

When installing this product, wear eye goggles and other safety apparel as needed to protect yourself from debris and sprayed gasoline.

WARNING!

The fuel system may be under pressure. Do not open the fuel system until any pressure has been relieved. Refer to the appropriate vehicle service manual for the procedure and precautions for relieving the fuel system pressure.

The enclosed Aeromotive fuel pump utilizes an o-ring sealed AN-08 style by-pass port and o-ring sealed AN-10 style inlet and outlet ports; these ports are **NOT PIPE THREAD** and utilize **NO THREAD SEALANT**.

A high capacity, fuel filter must be installed between the pump outlet and fuel pressure regulator. We recommend an Aeromotive AN-10 size, replaceable element filter. Call us for info.

This fuel pump is intended for **RACE ONLY** applications, to use this pump in your racing vehicle's fuel system, we strongly recommend the following:

Utilize AN-10 size high pressure fuel lines, fittings and o-rings for all connections from the fuel tank pickup to the fuel pressure regulator in the engine compartment. (Call Aeromotive for availability.) Mount the pump lower than and as close as possible to the fuel tank.

Failure to follow the above recommendations may result in fuel leakage, bursting of the fuel lines, poor vehicle performance and/or decreased fuel pump life! Improper installation will void all warranties for this product!

Aeromotive system components are not legal for sale or use on emission controlled motor vehicles.

Pump Specifications:

Outlet pressure/flow	0 psi / 350 GPH
By-Pass Pressure	18 psi
Current Draw	10.5 amps @ 12 psi

The following steps are typical of most installations:

1. Once the engine has been allowed to cool, disconnect the negative battery cable and relieve the fuel system pressure.
2. Disconnect the existing pump fuel lines. Plug the open fuel line ends to prevent foreign matter from entering the fuel system. Remove pump mounting screws and remove the existing pump. If you are replacing a similar competitors fuel pump, the Aeromotive fuel pump comes with additional mounting bracket holes underneath the Aeromotive mounting bracket which may be compatible.

Note: DO NOT RUN THE PUMP DRY!!! Excessive wear will result if the pump runs dry. **DO NOT DISASSEMBLE THE PUMP!!!** Tight tolerances, material selection and calibration of this unit are key to the performance. **DISASSEMBLY WILL THROW THE PUMP OUT OF CALIBRATION AND VOID ANY/ALL WARRANTIES ON THIS PRODUCT.**

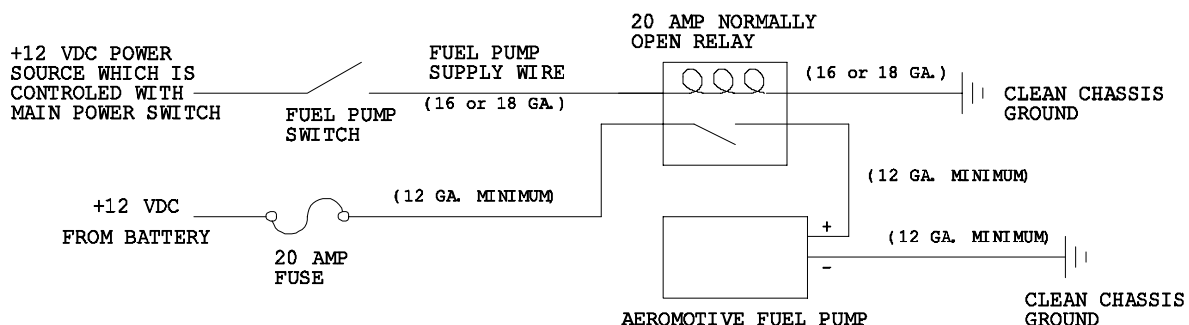
3. Find a suitable place on the vehicle chassis to mount the Aeromotive fuel pump. Make sure the location will accommodate the pump mounting bolts, will position the pump lower than the fuel tank, is clear of the exhaust, is clear of any moving suspension or drivetrain components and will keep the pump clear of road obstructions or debris.
4. Using the pump mounting bracket as a template mark and drill two mounting holes to accept 1/4" bolts. Mount the fuel pump using two 1/4" bolts, nuts and lock washers. Make sure and mount the pump in the vertical, upright position.

Note: Be sure to route all fuel lines clear of any moving suspension or drivetrain components, and any exhaust components! Protect fuel lines from abrasion and road obstructions or debris.

5. Connect the fuel cell pickup to the AN-10 fuel pump inlet. This section of fuel line should be as short as possible to reduce the tendencies for vapor lock, cavitation, and premature wear of your Aeromotive fuel pump. (Please insure that your fuel cell is clean and filter the racing fuel going into the cell)
6. Connect the AN-10 fuel pump outlet to the inlet of your fuel filter and the fuel filter outlet to your fuel line. Next, connect the other end of the fuel line to the pressure regulator in the vehicle's engine compartment (we recommend using the Aeromotive 4-port Regulator P/N 13203).
7. Connect the AN-8 by-pass port to a return line that goes back into the fuel cell. The return line must go into the top of the fuel cell and direct fuel away from the inlet for your fuel pump.

Note: Be sure to route all electrical wires clear of any moving suspension or drivetrain components and any exhaust components! Protect wires from abrasion and road obstructions or debris.

8. Connect electrical power (12 VDC) to the pump. Make sure you use stranded, insulated copper wire, in the sizes shown, with matching crimp-type connectors for all connections. **CAUTION: The pump must not be connected directly to the battery.** Connect the Aeromotive fuel pump as shown in the following diagram:



9. Attach suitable fuel pressure gauges to the fuel system pressure regulator and the pressure gauge port on the Aeromotive pump.
10. Ensure that any spilled fuel and any fuel soaked shop towels are cleaned up and removed from the vicinity of the vehicle!

CAUTION: While performing the following steps, if any fuel leaks are detected, immediately turn the fuel pump OFF, remove any spilled fuel and repair the leak(s) before proceeding!

11. Turn the fuel pump ON **without starting the engine** , allow the pump to run for several seconds and check the fuel pressure. If there is no pressure, turn the fuel pump OFF, wait one minute, then turn the fuel pump ON and recheck the pressure. Repeat this fuel pump OFF and ON procedure until the gauge registers pressure or you detect a fuel leak. It may be necessary to loosen the fuel line fitting at the pressure regulator to bleed off excessive air in the system. Tighten any fuel line fittings which were loosened and insure that any spilled fuel is cleaned up and removed from the vicinity of the vehicle. If no pressure is registered on the gauge after running the pump for several seconds and you have found no leaks, check all fuel and electrical connections to determine the cause.
12. Once the fuel pressure gauge registers pressure, start the engine. The gauge on the fuel pressure regulator should register between 3 and 12 psi. If you have installed an adjustable fuel pressure regulator, adjust it to the desired setting.
13. The Pump Bypass regulator is pre-set at 18 PSI at the factory. If pump pressures above 18 psi are desired (as for limited duty such as drag racing applications) loosen the jam nut and turn the pump on. You can achieve this with the engine on or off by turning the adjustment screw clockwise to increase pressure, and counterclockwise to lower the pressure. When the desired pressure is obtained simply re-tighten the jam nut.
14. Shut the engine off. Using suitable clips and other mounting hardware, secure the newly installed fuel lines and electrical wires by attaching them to the vehicle chassis.
15. Test drive the vehicle to insure proper operation and re-check the fuel system for leaks. **If any leaks are found, immediately discontinue use of the vehicle and repair the leak(s)!**

Thanks for purchasing another quality product designed, engineered and manufactured in
Kansas City, USA!

AEROMOTIVE, INC.
7805 Barton Street, Lenexa, KS 66214
913-647-7300 fax 913-647-7207

AEROMOTIVE, INC. LIMITED WARRANTY

This Aeromotive Product, with proof of purchase dated on or after January 1, 2003, is warranted to be free from defects in materials and workmanship for a period of one year from the original date of purchase. No warranty claim will be valid without authentic, dated proof of purchase.

This warranty is to the original retail purchaser and none other and is available directly from Aeromotive and not through any point of distribution or purchase.

If a defect is suspected, the retail purchaser must contact Aeromotive directly to discuss the problem, possible solutions and obtain a Return Goods Authorization (RGA), if deemed necessary by the company. Please call 913-647-7300 and dial option 3 for the technical service dept. All returns must be shipped freight pre-paid to the company and with valid RGA before they will be processed.

Aeromotive will examine any product returned with the proper authorization to determine if the failure resulted from a defect or from abuse, improper installation, misapplication or alteration. Aeromotive will then, at it's sole discretion, return, repair or replace the product.

If any Aeromotive product is determined defective, buyer's exclusive remedy is limited in value to the sale price of the good. In no event shall Aeromotive be liable for incidental or consequential damages.

Aeromotive expressly retains the right to make changes and improvements in any product it manufactures and sells at any time. These changes and improvements may be made without notice at any time and without any obligation to change the catalogs or printed materials.

Aeromotive expressly retains the right to discontinue at any time and without notice any Aeromotive product that it manufactures or sells.

This warranty is limited and expressly limits any implied warranty to one year from the date of the original retail purchase on all Aeromotive products.

No person, party or corporate entity other than Aeromotive shall have the right to: determine whether or not this Limited Warranty is applicable to any Aeromotive product, authorize any action whatsoever under the terms and conditions of this Limited Warranty, assume any obligation or liability of any nature whatsoever on behalf of Aeromotive under the terms and conditions of this Limited Warranty.

This Limited Warranty covers only the product itself and not the cost of installation or removal.

This Limited Warranty is in lieu of and expressly excludes any and all other warranties, expressed or implied. This Limited Warranty gives you specific legal rights, and you may also have other rights which vary from state to state.