



AEROMOTIVE
Part # 11206
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 o-ring sealed, AN style o-ring boss ports, AN-10 inlet and AN-08 outlet ports; these ports **NOT PIPE THREAD** and utilize **NO THREAD SEALANT**. To use the enclosed fuel pump in your vehicle's fuel system, you must install the necessary adapter fittings, o-rings, high pressure fuel lines, and fuel pressure regulator to adapt your system to the configuration and ports of this fuel pump. The following instructions assume that your fuel system has already been configured for use with this fuel pump.

To use this pump in your vehicle's fuel system, we strongly recommend the following:

Utilize a fuel pressure regulator, Aeromotive p/n 13201 or 13205 for dead-head systems OR 13204 or 13301 for by-pass systems

Utilize size high pressure fuel lines, fittings and o-rings for all connections (Call Aeromotive for availability.)

A high capacity, 100 micron fuel filter should be installed between the fuel tank or cell and the pump inlet.

A high capacity 10-40 micron fuel filter should be installed between the pump outlet and fuel pressure regulator

We recommend Aeromotive replaceable element fuel filters. Call us for info.

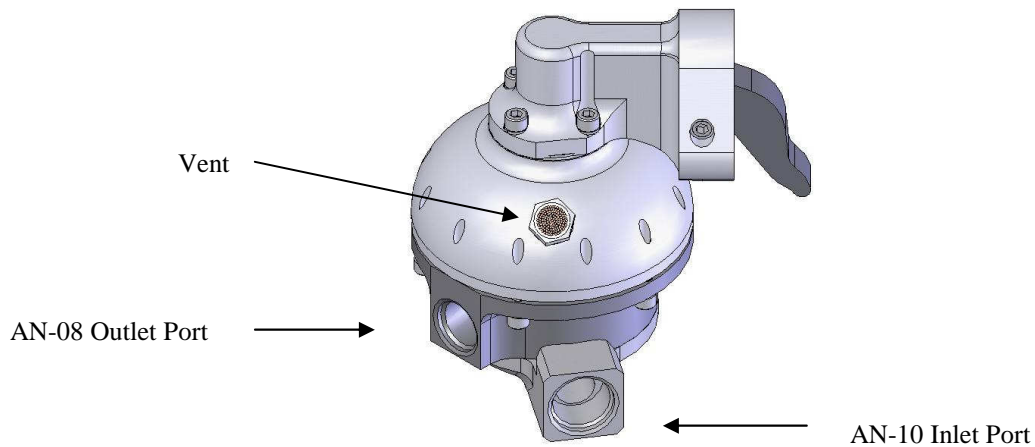
Failure to follow the above recommendations may result in fuel leakage, bursting of the fuel lines, poor vehicle performance and/or decreased fuel pump life! Improper installation will void all warranties for this product!

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

DO NOT RUN THE PUMP DRY! Excessive wear will result if the pump runs dry.

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, refer to the appropriate vehicle service manual for the procedure and precautions.
2. Disconnect the existing pump fuel lines. Plug the open fuel line ends.
3. Remove the upper bolt from the right front mounting boss on the block. If you are not replacing the fuel pump push rod, insert a long (around 2") 3/8"-16 bolt in the hole to hold the fuel pump pushrod, do not over tighten, this could result in damage to the fuel pump push rod.
4. Remove the existing fuel pump and gasket by removing the two 3/8" fuel pump mounting bolts.
5. Clean any residual debris from the fuel pump mounting plate, ensuring not to get any debris inside the engine while doing so.
6. Familiarize yourself with your new Aeromotive fuel pump and make any adjustments to the vent, outlet port or Inlet port positions to best suit your application.

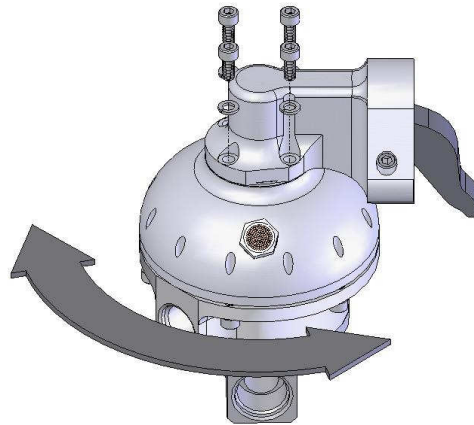


7. The Aeromotive fuel pump comes with a sintered vent breather installed in it. For some applications it is necessary to remotely vent your fuel pump, replace this sintered vent breather with the 1/4" barbed fitting included with the pump and attach your remote vent line once the fuel pump is installed.

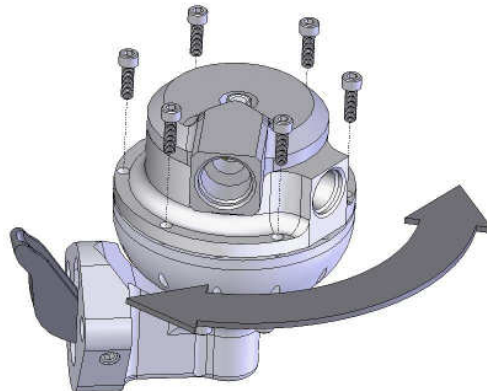
8. Orient the fuel pump vent, inlet and outlet ports as needed for plumbing convenience and engine block / frame/ suspension clearance.

Note: Mockup and check all clearances before final installation to prevent permanent damage to fuel pump or fuel lines.

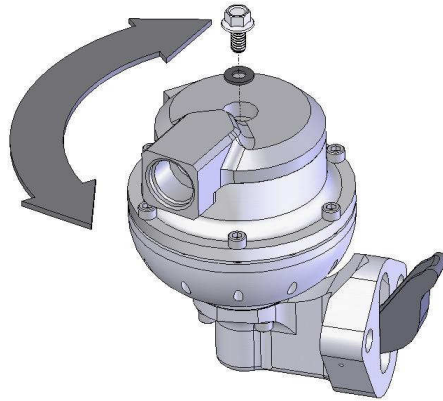
9. The location of the fuel pump vent port can be orientated in 45-degree increments, 360-degrees around the fuel pump. This is achieved by removing the four 10-32 housing mounting screws and lock washers. Next, rotate the lower assembly to the desired position and reinstall the four housing mounting screws and lock washers and tighten evenly to 25 in-lbs. Over tightening these mounting screws can result in permanent damage to the fuel pump.



10. The location of the fuel pump outlet port can be orientated in 30-degree increments, 360-degrees around the fuel pump. This is achieved by removing the six 10-32 outlet housing mounting screws. This assembly is under spring pressure so use caution in disassembly. Next, rotate the outlet housing to the desired position, realign the diaphragm and reinstall the six outlet housing mounting screws and tighten evenly to 30 in-lbs. Over tightening these mounting screws can result in permanent damage to the fuel pump.



11. The location of the fuel pump inlet port can be oriented 285-degrees around the fuel pump in respect too the outlet port. This is achieved by loosening the 1/4-20 screw located on the bottom of the fuel pump and rotating the inlet housing to the desired position. Next ensure the two housing o-rings are seated properly and retighten the 1/4-20 screw to 60 in-lbs. Over tightening this mounting screws can result in permanent damage to the fuel pump.



12. Prepare to mount the fuel pump to the engine block. Clean the block mating surfaces and apply a thin coat of gasket sealer to both sides of the new gasket.
13. Using the provided new mounting bolts install the new Aeromotive fuel pump reversing the removal procedure.

Note: When installing the new Aeromotive fuel pump, you MUST verify clearance between the fuel pump and frame or chassis.

14. Connect the fuel lines and ensure that any spilled fuel and any fuel soaked shop towels are cleaned up and removed from the vicinity of the vehicle.

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.

15. Crank engine over with out starting it until fuel pressure is registered and check the system for leaks. If any leaks are found repair immediately.
16. 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)!**

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



WARNING: This product can expose you to chemicals, including chromium, which is known to the State of California to cause cancer or birth defects or other reproductive harm. For more information, visit: www.p65Warnings.ca.gov

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.