



AEROMOTIVE

Part # 18399

**88-97 C/K 1500, 2500 Chevy Truck Dual 340 Fuel
Pump and Hanger**

INSTALLATION INSTRUCTIONS

This product is not legal for sale or use on emission-controlled vehicles except when used as a direct replacement part matching OEM specification.

WARNING!



Always be aware of flammable situations. Drilling and grinding can be potential ignition sources. Extinguish all open flames, prohibit smoking and eliminate all sources of ignition in the area of the vehicle and workspace before proceeding with the installation. Ensure you are working in a well-ventilated area with an approved fire extinguisher nearby.

WARNING!



etc.

Installation of this product requires modification to a fuel tank/ the fuel system, failure to satisfy all safety considerations will result in fire, explosion, injury and/or loss of life to yourself and/or others. All fuel system components **MUST** be located as far from heat sources as possible, like exhaust, engine block,

WARNING!



Mechanical and hydraulic lifting devices can tip over or lower accidentally due to incorrect maneuvering or technical errors. A falling object can cause injury and/or loss of life to yourself and/or others. When working under the vehicle, always use stands, and ensure that the ground or floor is stable and level. Never crawl under a vehicle which is only supported by a jack.

WARNING!



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

CAUTION!



When installing this product always wear safety glasses and other appropriate safety apparel. A drilling operation will cause flying metal chips. Flying metal chips can cause eye injury.

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. Careless installation of this product can result in damage to the product, injury or loss of life to yourself and/or others.

Compatible Fuels:

Pump Gas
Race Gas
E85
Alcohol/Ethanol

Parts Included:

1 ea Fuel Pump and Hanger Assembly (340lph Pump) 1 ea Locking Ring 1 ea Locking Ring Gasket 1 ea Hardware Bag 2 ea Pump Pre-Filters	
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Tools / Supplies Needed:

Lock Ring Removal Tool or Hammer and Flat Blade Screwdriver 7/8" Wrench Adjustable Wrench Wire Strippers Wire Crimpers 3/8" Wrench or Socket

Suggested Components (Not Included):

1 ea 10-m fuel filter such as PN: 12341 with -12 ORB ports for (EFI). 1 ea bypass fuel pressure regulator such as PN: 13305 with -08 ORB ports for EFI applications. 2 ea Fuel Pump wiring kit such as PN 16307.
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Pump Specifications:

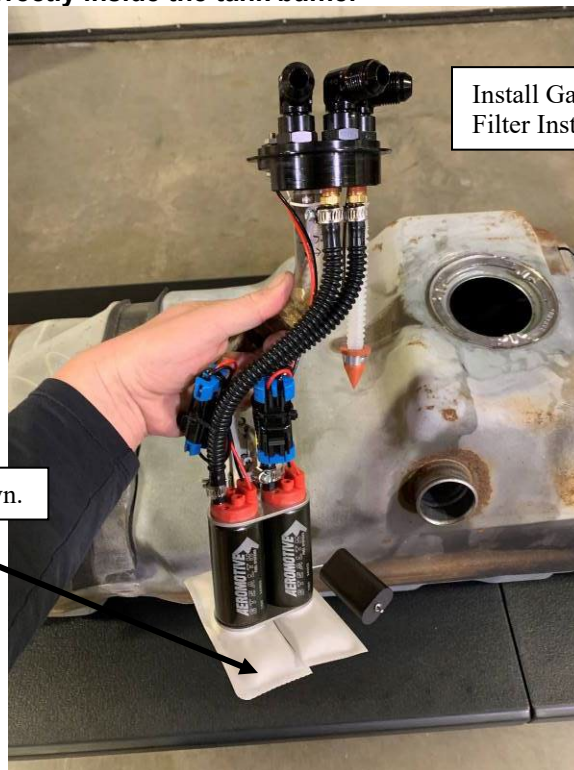
	18399 Kit, (Pump 2x 11140)
Outlet pressure/typical flow:	10 psi / 2x 408 LPH @ 13.5 V 40 psi / 2x 340 LPH @ 13.5 V 60 psi / 2x 284 LPH @ 13.5 V
Continuous Operating Range:	5 psi – 65 psi @ 13.5 V
Pump internal By-Pass Pressure:	105 psi
Current Draw:	2x 13 amps @ 40 psi

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 according to the vehicle service manual.
2. Raise the vehicle and support it with jack stands.
3. Referring to the appropriate vehicle service manual for instructions, drain and disconnect any fuel and electrical component connections and remove the OEM fuel tank. The removal of the vehicles exhaust system may be necessary for fuel tank removal.
4. Remove the old OEM fuel pump and hanger assembly using either the lock ring removal tool or hammer and screwdriver. Discard the old lock ring and gasket, they will not be used during re-assembly.



5. Install the provided gasket on the pump assembly by carefully sliding it over the fuel level sender float, pumps, and wiring. The gasket should be loosely near the outlet cap flange during assembly. Then install the two provided pump pre-filters on the pump. **Note: Install the filters as shown in the below pictures, the filter orientation is important for them to sit correctly inside the tank baffle.**

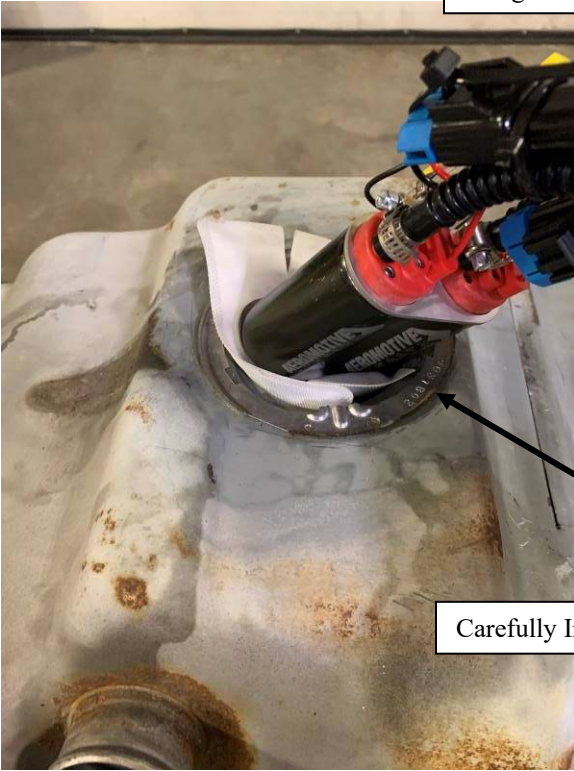


Install Gasket Over Pump Assembly Prior to Filter Installation.

Install Pre-Filters on Pumps as Shown.

6. Place the new Aeromotive fuel pump assembly in the tank. Install the pump assembly first by inserting the sending unit float through the hole, then carefully insert the rest of the assembly. You may need to press the pump pre-filters inside the hole individually to aid in getting the remainder of the pump assembly started through the hole. **Note: It is a tight fit for the pumps and retainer brackets to fit through the hole, slowly rotate the assembly when installing into the tank. Take your time and use caution to not damage the float arm during pump insertion.**

Gasket Should be Positioned Below Outlet Cap Flange During Pump Insertion.



Carefully Insert Pump Assembly Into Tank

7. Ensure that the fuel pump locking ring gasket is still positioned properly in the receiver groove and then install the locking ring. **Note the orientation of the outlet cap fittings in the following image, the fittings need to point towards the filler neck side of the tank to ensure the sending unit arm is positioned correctly in the tank.**



Install the Provided Lock Ring and Tighten to Secure Pump Assembly to the Tank.



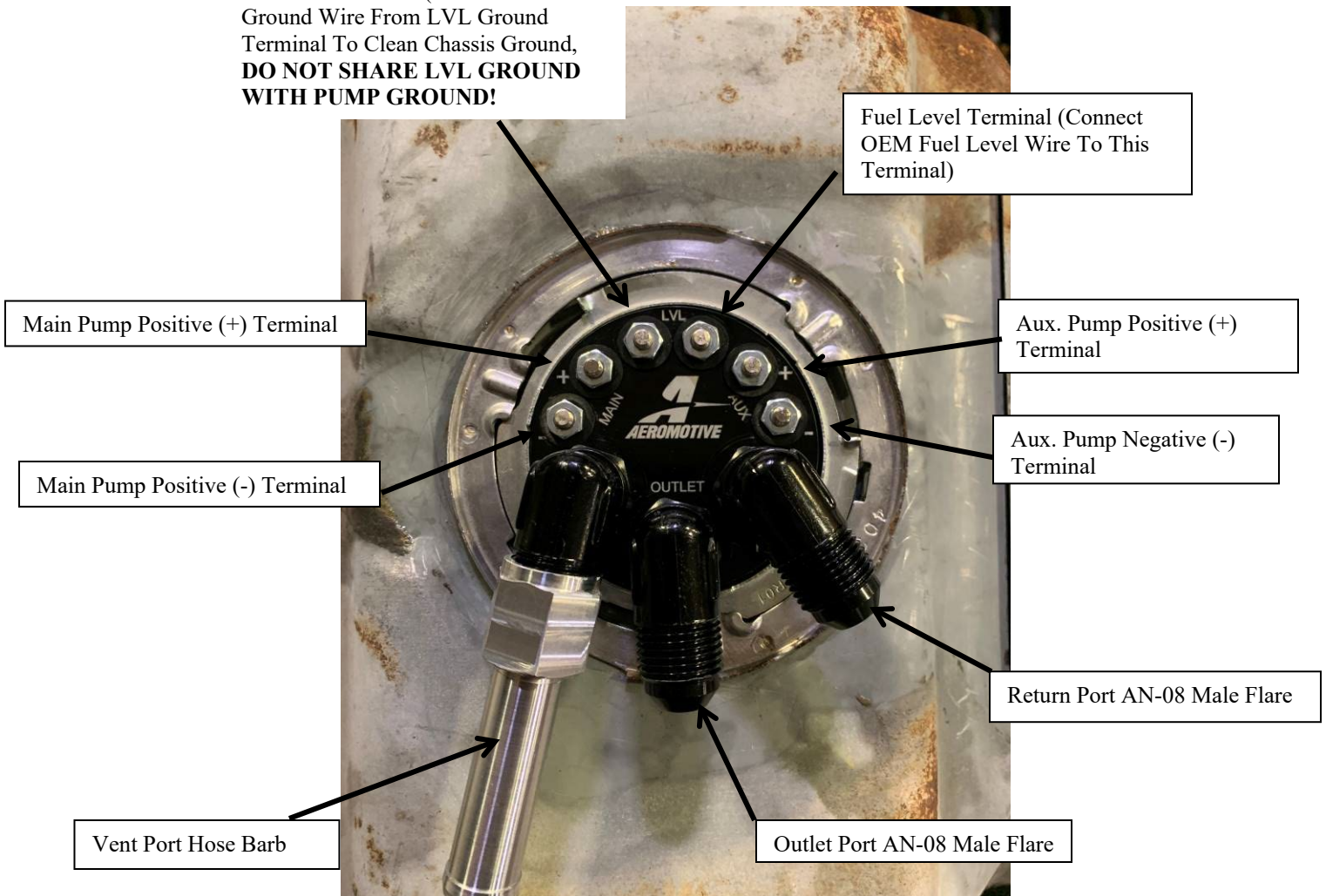
Filler Neck



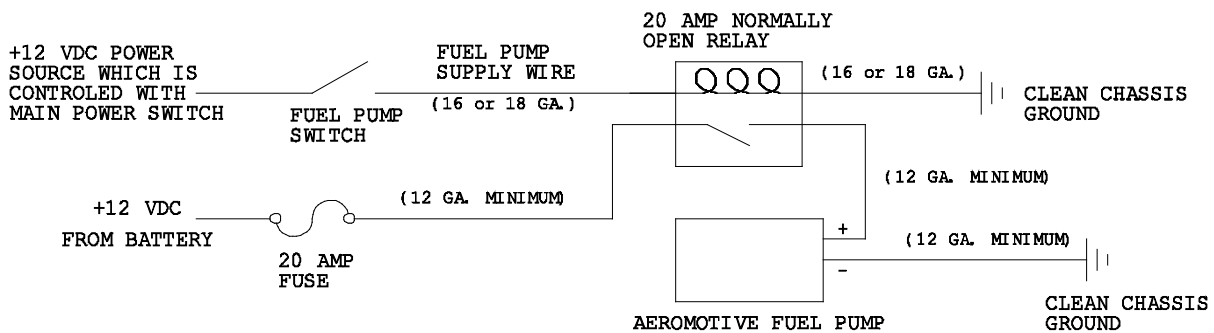
8. Next, install the provided -08 AN x 5/8 hose barb fitting on the vent port outlet fitting using the 7/8" wrench and adjustable wrench. Then, connect the supply and return fuel lines to the new Aeromotive fuel pump assembly. The supply and return fittings are AN-08 male flare and will require AN-08 female hose ends. **Note: If you wish to use a -10 supply line, use Fragola Performance Fittings Part Number: 497310BL, which is a -08 AN to -10 expander fitting.** The vent port fitting hose barb will allow the OEM vent hose to reattach to.



Fuel Level Ground (Connect Provided Ground Wire From LVL Ground Terminal To Clean Chassis Ground, **DO NOT SHARE LVL GROUND WITH PUMP GROUND!**)



9. Connect electrical power (12 VDC) to each of the fuel pump power terminals. Make sure you use stranded, insulated copper wire, in the sizes shown, with matching crimp-type connectors for all connections. **CAUTION: The pump(s) must be connected through a fused power source and not connected directly to the battery.** Connect each of the Aeromotive fuel pumps as shown in the following diagram: **NOTE: ONE RELAY AND FUSE PER PUMP.**



10. Position the fuel tank under the vehicle, double check that the locking ring and all fuel line and electrical connections are tight and secure.

11. Reinstall the fuel tank and reattach the filler neck to the fuel tank. Ensure that all wires and hoses are not pinched or in a bind before tightening the fuel tank straps.
12. Make any line or electrical adjustments necessary to clear the vehicles exhaust, suspension, and drivetrain components.
13. **Ensure that any spilled gasoline and any gasoline soaked shop towels are cleaned up and removed from the vicinity of the vehicle!**
14. Carefully lower the vehicle onto the ground.
15. Fill the fuel tank with gasoline and check for any leaks in the system, if any leaks are found repair immediately.
16. **CAUTION: While performing the following steps, if any fuel leaks are detected, immediately turn the ignition of OFF, remove any spilled fuel and repair the leak(s) before proceeding!**
17. Reconnect the battery and turn the ignition to the ON position **WITHOUT** starting the car. After several seconds, check the fuel pressure. If there is no fuel pressure, turn the ignition key to the OFF position, wait one minute, return the ignition to the ON position, and recheck the fuel pressure. Repeat this ignition OFF and ON procedure until the fuel pressure gauge registers fuel pressure.
18. **With the fuel pressure gauge registering fuel system pressure, again check for fuel leaks throughout the entire fuel system! If any fuel leaks are found, turn the ignition key to the OFF position, remove any spilled fuel and repair the leak before proceeding!**
19. Test drive the car to ensure 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)!**

Contact Us

RGA NUMBER REQUIRED FOR ALL RETURNS TO AEROMOTIVE.

To obtain an RGA number, please call (913) 647-7300 and ask for the Returns and Repairs department or complete the online form under the "Rebuilds" section at www.aeromotiveinc.com.

- **Shipping & Returns**

Aeromotive Inc.
10955 Mill Creek Road
Lenexa, KS 66219

General Inquiries and Tech Line: (913) 647-7300

General Email: info@aeromotiveinc.com

Tech Email: tech@aeromotiveinc.com

The Aeromotive Tech Lines are open Monday through Friday from 9:30AM to 5:00PM Central Standard Time.



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.