

# MSD INSTALLATION INSTRUCTIONS

## Atomic EFI PN 2926 - High Horsepower Fuel Pump

**⚠ WARNING** Installation of this product requires detailed knowledge of automotive systems and repair procedures. Installation of fuel system parts and any fuel tank modifications must be carried out by a qualified automotive technician. Installation of fuel system parts requires handling of gasoline. Ensure that work is performed 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 beginning the installation.

When working with fuel systems, eye goggles and other safety apparel should be worn to protect against debris and sprayed gasoline. The finished work must be thoroughly checked to ensure there are no fuel leaks.

### Parts Included:

- 1 - Banjo Fitting Kit
- 1 - 18mm x 8AN Inlet Fitting
- 1 - Fuel Pump
- 1 - 6mm x 1 Lock Nut (Pump +)
- 1 - 5mm x .8 Lock Nut (Pump -)
- 1 - Copper Washer
- 2 - Clamps (Fuel Pump Mount)

**NOTICE** Fuel pump to fuel tank hardware is not supplied.

**⚠ 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.

### INSTALLING THE FUEL PUMP

The Atomic High Horsepower Fuel Pump is designed to support engines up to 620hp. The pump specifications will support the volume and pressure required when being used with a returnless or return style fuel system.

1. It is recommended to mount the pump close to the gas tank and in a position that is below the lowest point of the tank.

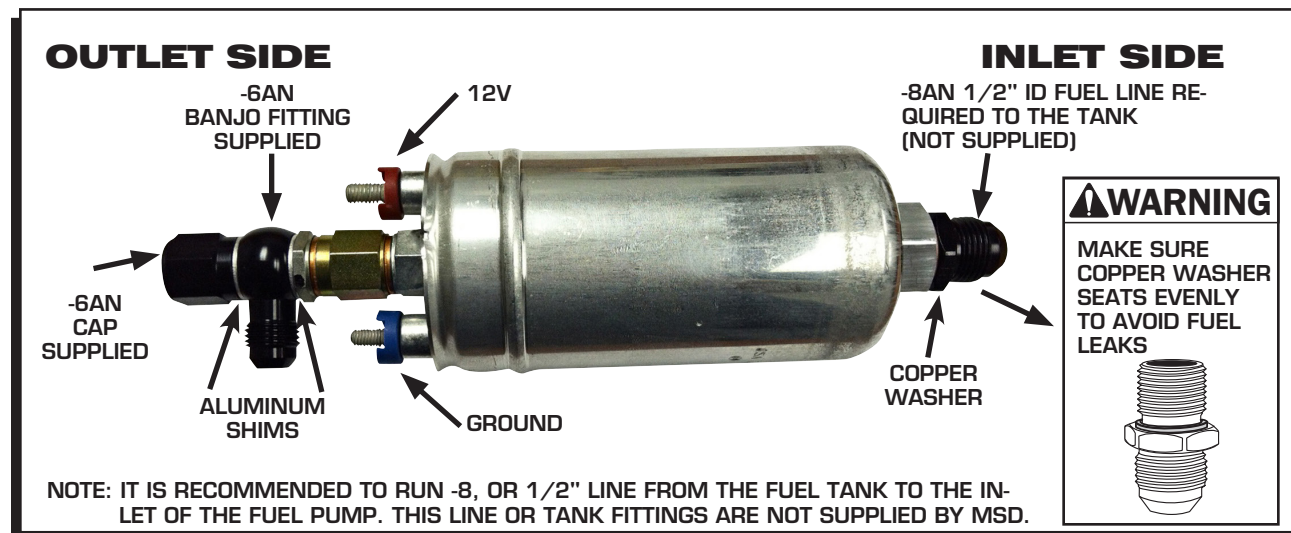


Figure 1 High Horsepower Fuel Pump Assembly.

# **INSTALLATION INSTRUCTIONS**

2. Install a ground wire to the Blue terminal of the pump. Note that the terminals are different sizes. Retaining nuts and are supplied (6mm for positive, 5mm for the negative post). Connect the ground wire to a clean, bare metal ground source.
3. Connect 12v to the Red + terminal of pump (Orange from Atomic EFI). This terminal uses the 6mm nut.
4. Mount the pump using the supplied clamps and hardware. Use of a pre-fuel filter is recommended.
5. It is recommended that the pump be mounted close to the tank and level with the bottom of the tank.

**NOTICE** Be sure to route all fuel system components clear of any moving suspension or drive train components, and any exhaust components! Protect fuel system components from abrasion and road obstructions or debris.

**WARNING** While performing the following steps, if any fuel leaks are detected, immediately turn the ignition to OFF, remove any spilled fuel and repair the leak(s) before proceeding!

**Failure to follow the above 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!**

Turn the ignition to 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 ignition to OFF, wait one minute, then turn the ignition to ON and recheck the pressure. Repeat this ignition OFF and ON procedure until the gauge registers pressure or you detect a fuel leak. 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.

The MSD Customer Support phone lines are available 7am-5pm Mountain Standard Time Monday through Friday to answer any technical questions you may have in regards to installing the Atomic EFI or other MSD parts (915) 855-7123.

## **Service**

In case of malfunction, this MSD component will be repaired free of charge according to the terms of the warranty. When returning MSD components for warranty service, **Proof of Purchase** must be supplied for verification. After the warranty period has expired, repair service is based on a minimum and maximum fee.

**All returns must have a Return Material Authorization (RMA) number** issued to them before being returned. To obtain an RMA number please contact MSD Customer Service at 1 (888) MSD-7859 or visit our website at [www.msdpower.com/rma](http://www.msdpower.com/rma) to automatically obtain a number and shipping information.

When returning the unit for repair, leave all wires at the length in which you have them installed. Be sure to include a detailed account of any problems experienced, and what components and accessories are installed on the vehicle. The repaired unit will be returned as soon as possible using Ground shipping methods (ground shipping is covered by warranty). For more information, call MSD at (915) 855-7123. MSD technicians are available from 7:00 a.m. to 5:00 p.m. Monday - Friday (mountain time).

## **Limited Warranty**

MSD warrants this product to be free from defects in material and workmanship under its intended normal use\*, when properly installed and purchased from an authorized MSD dealer, for a period of one year from the date of the original purchase. This warranty is void for any products purchased through auction websites. If found to be defective as mentioned above, it will be repaired or replaced at the option of MSD. Any item that is covered under this warranty will be returned free of charge using Ground shipping methods.

This shall constitute the sole remedy of the purchaser and the sole liability of MSD. To the extent permitted by law, the foregoing is exclusive and in lieu of all other warranties or representation whether expressed or implied, including any implied warranty of merchantability or fitness. In no event shall MSD or its suppliers be liable for special or consequential damages.

\*Intended normal use means that this item is being used as was originally intended and for the original application as sold by MSD. Any modifications to this item or if it is used on an application other than what MSD markets the product, the warranty will be void. It is the sole responsibility of the customer to determine that this item will work for the application they are intending. MSD will accept no liability for custom applications.