

# **MSD** INSTALLATION INSTRUCTIONS

## **Fuel Pressure Regulator PN 29929**

### **INSTALLATION**

Mallory's 4213 Adjustable Fuel Pressure Regulator is designed to be a bolt-on replacement for the OEM Ford 1994-1998 5.0 and 4.6 fuel injection regulator (except 1998 SOHC). The Mallory Regulator is installed in the same manner as the factory Ford regulator (see repair manual). Be sure to lubricate the O-rings with a drop or two of motor oil before installation.

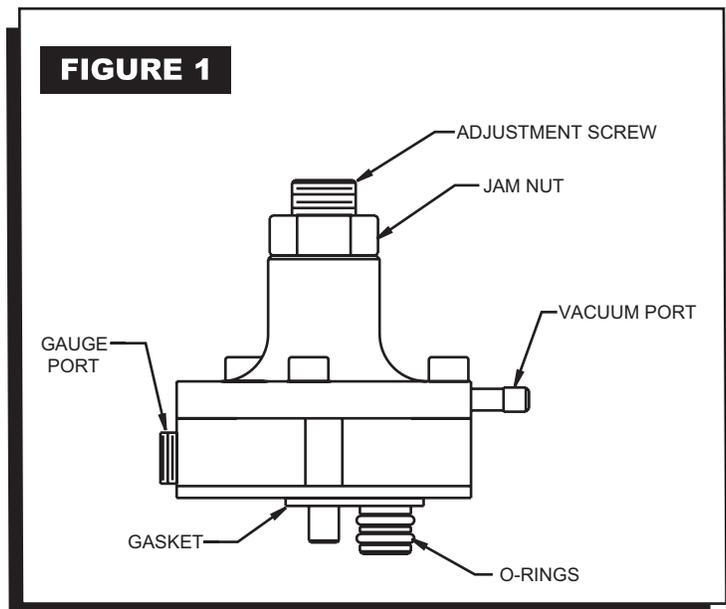
### **VACUUM PORT**

A vacuum line is connected to the stock regulator. This vacuum line should be connected to the vacuum port on the Mallory regulator to reduce fuel pressure at idle and part throttle.

### **SETTING THE PRESSURE**

Factory Ford regulators produce about 35-40 psi at full throttle. The Mallory regulator is factory set at about 45 psi. Adjust the pressure by loosening the jam nut and turning the adjustment screw (clockwise increases pressure). The full throttle pressure can be adjusted between about 30 and 75 psi. The ideal pressure depends on many variables. On a mostly stock engine, a slightly higher pressure (about 45 psi) will usually result in a slight power increase. Modified engines may require higher pressures to optimize power output.

If a pressure over 60 psi is required to optimize power output, larger injectors should be considered.



### **FUEL PRESSURE GAUGE PORT**

A 1/8 NPT port is tapped into the side of the Mallory regulator housing. The port is supplied from Mallory with a plug. If a fuel pressure gauge is used, the plug can be removed and the gauge connected to the port.

### **REBUILDING**

See Figure 2 If the regulator develops a leak or the pressure begins to fluctuate, rebuilding may be necessary. A rebuild kit is available (Part No. 3162). This kit includes a new diaphragm assembly, sealing washer, gasket and O-rings. The diaphragm and sealing washer can be replaced without removing the regulator housing.

### **REPLACING THE DIAPHRAGM AND SEALING WASHER**

Remove the nut and adjustment screw. Remove the three upper screws. Remove the cap, thrust washer, springs, diaphragm assembly and the sealing washer. Install the new sealing washer and diaphragm assembly. Re-install the springs, washer, and cap. Re-install the three screws. Great care must be taken to tighten the screws gradually and evenly so that the cap stays flat with the housing.

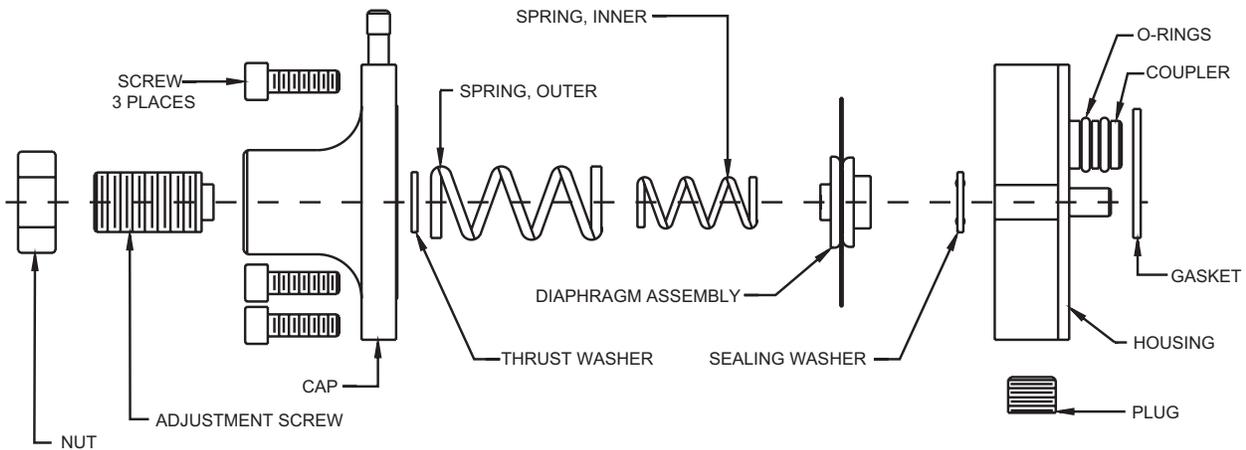
# MSD INSTALLATION INSTRUCTIONS

## REPLACING THE GASKET AND O-RING

If replacing the diaphragm and sealing washer does not help, it may be necessary to replace the gasket and O-rings. Remove the regulator from the fuel rail and replace the gasket and O-rings.

**Be sure to lubricate the O-rings O-RINGS with a drop or two of motor oil before re-installing.**

**FIGURE 2**



### 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.