MSD INSTALLATION INSTRUCTIONS

Atomic Fuel Pressure Sensor Kit
PN 2929

ONLINE PRODUCT REGISTRATION: Register your MSD product online. Registering your product will help if there is ever a warranty issue with your product and helps the MSD R&D team create new products that you ask for! Go to www.msdperformance.com/registration.

Parts Included:
1 - Fuel Pressure Sensor
1 - Oval O-rings

It is best to remove throttle body from the engine when installing replacement parts.



Figure 1

REMOVAL
1. Disconnect the battery (-) cable.
2. Remove the Air Cleaner assembly.
3. Disconnect the throttle cable assembly, vacuum hoses, electrical connections, and fuel lines from the throttle body. Be prepared to catch fuel when removing fuel lines.

Note: Caution should be taken when disassembling the throttle body.

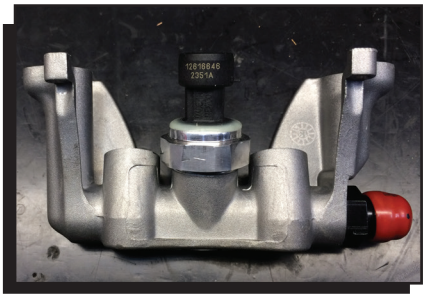
4. Remove the four (4) bolts that secure the fuel rails from the throttle body.
5. Disconnect the electrical connectors from the injectors, and fuel pressure sensor (FPS); pull the rails away from the throttle body.
6. Remove the fuel pressure sensor (27mm 60t socket).

Note: The fuel rail is sealed with an O-Ring on the throttle body fuel rail mounting surface. Remove the o-rings (Figure 1). Take caution not to score the machined surfaces.

⚠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.

INSTALLATION
1. Apply thread sealer such as teflon paste to threads on Fuel Pressure Sensor.
2. Place the Fuel Pressure Sensor into threaded area.
   Note: Take care not to cross thread fuel rail.
3. Torque Fuel Pressure Sensor to 20 ft/lb (Figure 2).


Figure 2

4. Lightly lubricate the injector o-rings with motor oil or silicon spray.
5. Insert the injectors into the throttle body orifices.
6. Line the injectors up with the fuel rails and lightly press the fuel rails down. Take caution not to pinch the O-rings during installation.
7. Route the wires in such a way to avoid pinching them when reassembling the fuel rail and throttle body assembly.
8. Install the rails in reverse order of disassembly.

⚠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!

Turn the ignition to the ON position **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 back 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.

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!

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.msdperformance.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.

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