

MSD INSTALLATION INSTRUCTIONS

Adapter Kit for PN 2702 (AirForce Manifold) with LS1-Style Injectors PN 2705

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.msperformance.com/registration.

Parts Included:

8 – Viton O-Rings
4 – M6-1 x 30mm Flange Head Bolts
4 – Aluminum Spacers (½ OD x ¼ ID x ½ Thick)

Parts or Tools Required:

O-Ring Assembly Lube
Pick (for O-ring removal)
10mm Socket (with ratchet and extension)
Inch-Pound Torque Wrench

⚠️ WARNING

Installation of this product requires detailed knowledge of automotive systems and repair procedures. Installation of fuel system parts and any 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.

Thank you for choosing the MSD Atomic AirForce intake manifold. We've taken great care during the development of this manifold to ensure you are getting the most power possible out of your LS engine. If you have any questions during the installation, please contact our tech staff at 915-855-7123 or email; tech@msperformance.com. Share your performance results with us on our forums at www.atomicEFI.com as well.

The components in this kit will allow you to retain your LS1-style injectors when using the PN 2702 Atomic AirForce Intake Manifold (LS1/2/6 Cathedral-Style Port Design).

Note: The PN 2702 AirForce Intake Manifold also requires the use of a LS2/3-Style Fuel Rail.

REMOVE OEM LOWER O-RINGS

1. Using the pick (or equivalent tool), remove the original lower O-ring from each injector (Figure 1). Be careful not to damage the plastic disc that retains the O-Ring.

INSTALL NEW LOWER O-RINGS

1. Carefully install a new MSD O-Ring on the lower end of each injector (Figure 2). Apply a small amount of lubricant (such as engine oil) to the outer surface of each O-ring.
2. If necessary, install the injectors in the fuel rail pockets. Ensure that the injector retainer clips are present and properly installed.



Figure 1 - Removal of original O-Ring



Figure 2 - Installation of MSD O-Ring

INSTALL RAIL ASSEMBLY TO INTAKE MANIFOLD

1. Carefully lower the rail assembly until the injectors just begin to pilot in the manifold pockets.
2. Insert an Aluminum spacer (included) under each of the four (4) rail attachment bolts (Figure 3).
3. Using uniform pressure, ensure that all injectors seat properly in their pockets, and continue pushing downward until the rail feet contact the spacers.
4. Use the supplied M6-1 x 30mm Flange Head bolts to anchor the rail to the intake manifold. It might be necessary to use a long, slender object to align the rail feet and spacers with the mounting bosses on the manifold.
5. Apply a drop of oil to the tip of each bolt, and then start the threads in the brass manifold inserts.
6. Snug the bolts uniformly until the rail feet are fully seated, and then apply a final torque of 89 in-lb.
7. Ensure that the fuel rail supply line is connected and properly seated.
8. Reconnect the injector harness / pigtails – making sure to verify the actual injector associated with each pigtail.
9. Cycle the key on and off several times to check for fuel leaks and assist with purging of trapped air.
10. If any leaks are identified, be sure to correct them before starting the engine.



Figure 3 - Fuel Rail Spacer and Flange Head Bolt

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 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.