

MSD INSTALLATION INSTRUCTIONS

MSD O₂ Sensor Bung and Plug PN 2931

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:

- 1 – O₂ Sensor Bung
- 1 – Bung Plug
- 1 – Crush washer



WIDE BAND OXYGEN SENSOR INSTALLATION

The WBO₂ can be installed downstream of either exhaust bank. The sensor connects to the Power Module, so install the sensor on the bank closest to where you plan to mount the Module. The bung should be installed by a qualified exhaust technician and pressure tested. Proper installation of the oxygen sensor is critical to the performance. Improper installation could lead to engine damage.

1. Locate the ideal spot to install the WBO₂.
 - a. This location should be 2-4 inches after the exhaust collector. The sensor must be more than 18 inches forward of the exhaust tip. For applications where short or open headers are used, install the WBO₂ in the primary tube of the rear cylinder at least 8 inches away from the exhaust port. The wide band sensor will not work on "Zoomie" style headers.
 - b. The WBO₂ sensor should be at least 10° above horizontal to allow condensation runoff. Without this angle the sensor is significantly more likely to sustain water damage (Figure 1).
 - c. Try not to place the WBO₂ on the outside of a bend.
 - d. The WBO₂ **must** be mounted in the exhaust prior to any catalytic converter, if applicable.
2. Drill a 7/8" hole in the exhaust where the WBO₂ will go.
3. Weld in the supplied bung. Ensure the weld goes completely around the bung and is air tight.
4. Insert supplied plug in bung. Never run the vehicle with a WBO₂ installed but not powered; it will damage the sensor.
5. When inserting the WBO₂ MSD suggests using a small amount of anti-seize on the threads.

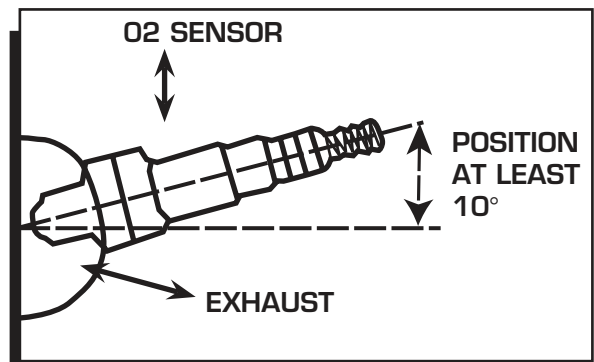


Figure 1 WBO₂ Sensor Location.

Note: The wide band is extremely sensitive to air leaks in the exhaust system. Any air leak between the engine and the WBO₂ will cause the wideband sensor to have false readings, which can lead to poor engine performance, misfires, and an inability to properly auto-tune. Improper installation of the oxygen sensor, and any damage that may result from such an installation, is not covered by the manufacturer's warranty.

TECH NOTES

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.