

# MSD INSTALLATION INSTRUCTIONS

## MSD O<sub>2</sub> Sensor Bung and Plug PN 2931

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### Parts Included:

- 1 – O<sub>2</sub> Sensor Bung
- 1 – Bung Plug
- 1 – Crush washer



## WIDE BAND OXYGEN SENSOR INSTALLATION

The WBO<sub>2</sub> 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 WBO<sub>2</sub>.
  - 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 WBO<sub>2</sub> 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 WBO<sub>2</sub> 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 WBO<sub>2</sub> on the outside of a bend.
  - d. The WBO<sub>2</sub> **must** be mounted in the exhaust prior to any catalytic converter, if applicable.
2. Drill a 7/8" hole in the exhaust where the WBO<sub>2</sub> 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 WBO<sub>2</sub> installed but not powered; it will damage the sensor.
5. When inserting the WBO<sub>2</sub> MSD suggests using a small amount of anti-seize on the threads.

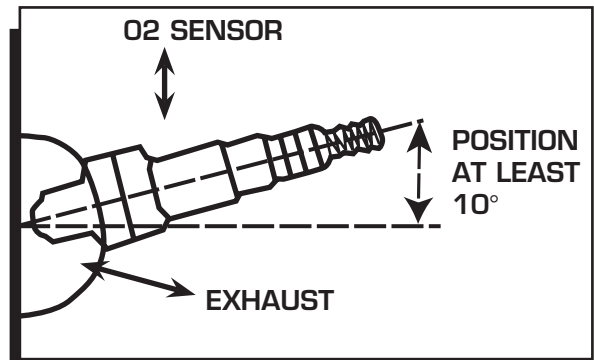


Figure 1 WBO<sub>2</sub> Sensor Location.

**Note:** The wide band is extremely sensitive to air leaks in the exhaust system. Any air leak between the engine and the WBO<sub>2</sub> 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.

