

Instr. No. 2650-838C

INSTALLATION INSTRUCTIONS OXYGEN SENSOR KIT FOR AIR / FUEL RATIO MONITOR MODEL 2244



Installation

Install oxygen sensor in a spot where exhaust from all cylinders flows past it, but also as close to the cylinder head as reasonable. This will allow the sensor to reach operating temperature quickly. If headers are used, the oxygen sensor should be installed in the collector. If cast iron manifold(s) are used, install the sensor in the pipe just below the manifold. Installation in the left or right side is acceptable. If monitoring of both sides is desired, a second oxygen sensor can be used, and a switch (purchased locally) can be wired to toggle back and forth between sensors.

1. Drill 7/8" diameter hole in exhaust pipe.
2. Weld in oxygen sensor boss.
3. Apply a small amount of the enclosed anti-seize compound to the sensor threads **ONLY**. Contact with the sensing element can cause damage and shorten its life expectancy.

CAUTION: Anti-seize compound may cause skin or eye irritation. Wash skin after use. For eye contact flush with water. If swallowed, **DO NOT** induce vomiting. Contact a physician.
KEEP OUT OF REACH OF CHILDREN.

4. Install oxygen sensor and torque to 40 lb. ft.

Note: Use boss plug when operating engine without oxygen sensor.

5. Plug in wiring harness and connect as shown below.

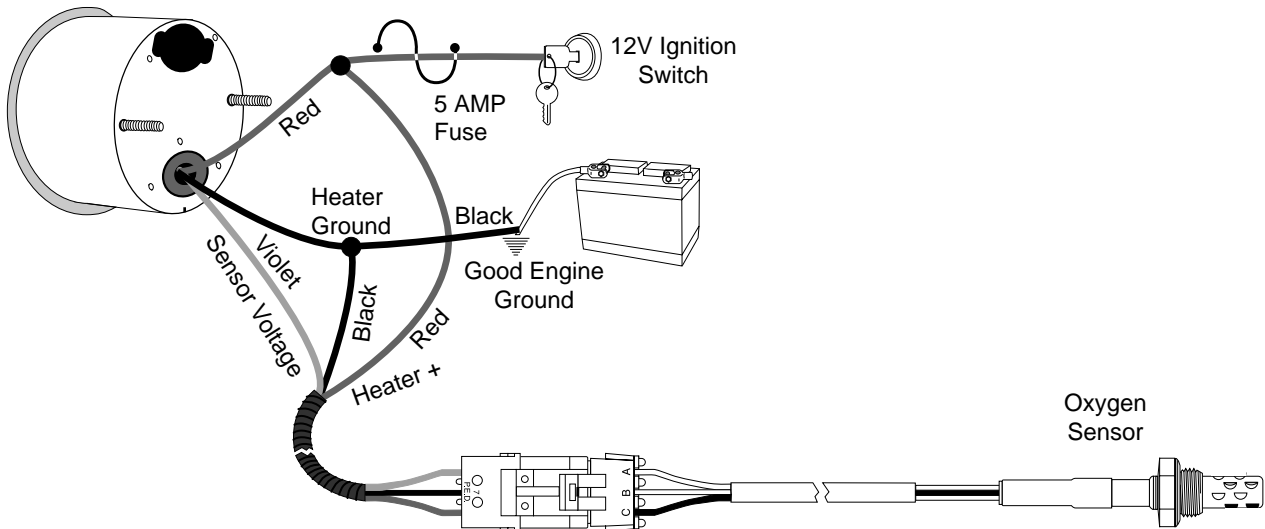
Red Wire: Connect to a 5 amp fused and switched 12V positive source that is turned on and off with the ignition switch.

Black Wire: Connect to good engine ground.

Violet Wire: Connect to violet wire on air / fuel ratio monitor.

Note: Red and black wires are for the oxygen sensor heater. The heater reduces the oxygen sensor warm up period.

Warning: Do not connect ohm meter to oxygen sensor or touch violet wire to ground or power. Damage to oxygen sensor will result. If a meter is to be used, only use a high impedance (10 mega ohm or higher) digital multimeter.



Warning

Fouling and/or permanent damage to the oxygen sensor over time will result if used with any of the following:

- Leaded gasoline and fuel additives containing lead
- 2 cycle gasoline (gas/oil mix)
- Diesel fuel
- Nitromethane
- Excessively rich mixtures

If the air / fuel ratio monitor responds sluggish, the oxygen sensor is probably partially fouled, and should be replaced.

Note: The oxygen sensor must reach at least 600° F before an accurate signal is produced. The oxygen sensor will require a short warm up period after the engine is started, this is usually less than one minute.

SERVICE

For service send your product to Auto Meter in a well packed shipping carton. Please include a note explaining what the problem is along with your phone number. Please specify when you need the product back. If you need it back immediately mark the outside of the box "RUSH REPAIR," and Auto Meter will service product within two days after receiving it. (\$10.00 charge will be added to the cost of "RUSH REPAIR.") If you are sending product back for Warranty adjustment, you must include a copy (or original) of your sales receipt from the place of purchase.

12 MONTH LIMITED WARRANTY

Auto Meter Products, Inc. warrants to the consumer that all Auto Meter High Performance products will be free from defects in material and workmanship for a period of twelve (12) months from date of the original purchase. Products that fail within this 12 month warranty period will be repaired or replaced at Auto Meter's option to the consumer, when it is determined by Auto Meter Products, Inc. that the product failed due to defects in material or workmanship. This warranty is limited to the repair or replacement of parts in the Auto Meter instruments. In no event shall this warranty exceed the original purchase price of the Auto Meter instruments nor shall Auto Meter Products, Inc. be responsible for special, incidental or consequential damages or costs incurred due to the failure of this product. Warranty claims to Auto Meter must be transportation prepaid and accompanied with dated proof of purchase. This warranty applies only to the original purchaser of product and is non-transferable. All implied warranties shall be limited in duration to the said 12 month warranty period. Breaking the instrument seal, improper use or installation, accident, water damage, abuse, unauthorized repairs or alterations voids this warranty. Auto Meter Products, Inc. disclaims any liability for consequential damages due to breach of any written or implied warranty on all products manufactured by Auto Meter.

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