



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.

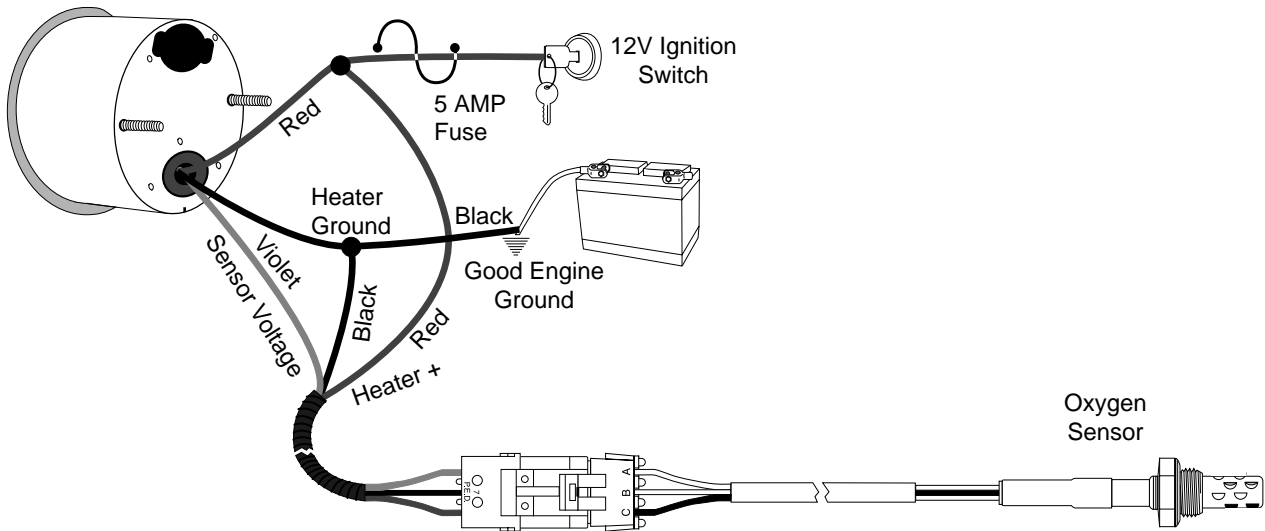
**Red Wire:** Connect to a 5 amp fused and switched 12V positive source that is turned on and off with the ignition switch.

**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.