



Lambda/Oxygen Sensor Facts & Installation Recommendations

Sensor Facts	
Thread	M18x1.5
Wrench Size	22mm
Tightening Torque	40-60Nm/ 30-45 ft lb
Exhaust Gas Temp. Range (Operating)	930 °C
Exhaust Gas Temp. Range (Maximum 10 min.)	1030 °C
Sensor Lifespan Estimates	
Unleaded Fuel	500 Hours
Leaded Fuel	50 Hours



Weld in M18x1.5 bungs are available for purchase in both stainless steel and titanium for proper sensor installation. The Lambda/O₂ sensor should be installed at a point which permits the measurement of a representative exhaust-gas mixture i.e. just downstream of the collector on a multiple cylinder application. In applications with a catalytic converter, the sensor must be mounted BEFORE the converter. Installation angle should be inclined at least 10° towards horizontal (see diagram) which prevents the collection of liquids between sensor housing and sensor element during the cold start phase. Proper bung placement and sensor installation are vital, otherwise sensor accuracy and ultimately its lifespan can be affected. On turbocharged engines the sensor must be installed after the turbo charger, if not the pressure differential will greatly affect the accuracy of the sensor.



