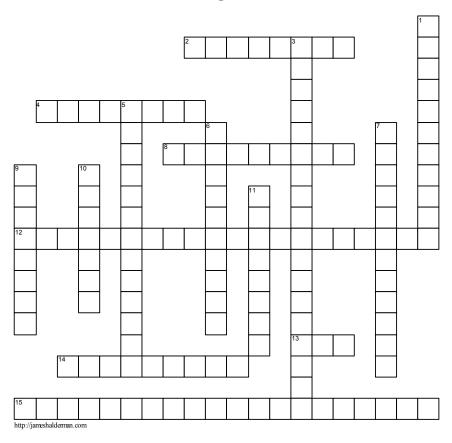
Oxygen Sensors

Chapter 17



ACROSS

2 The _____ numbers are determined from the signals by the oxygen sensor.

- 4 A ______ oxygen sensor is made of zirconium dioxide, an electrically conductive material capable of generating a small voltage in the presence of oxygen.
- 8 If an oxygen sensor reads low as a result of a factor besides a lean mixture, it is often called a indication.
- 12 _____ is exposed to the exhaust stream
- 13 The wrong type of ____ sealer on a valve cover gasket gives off harmful silica fumes during the curing process.
- 14 When the O2S reads high as a result of other factors besides a rich mixture, it is often called a indication
- 15 _____ is exposed to outside air and is the signal electrode.

DOWN

1 Some vehicle manufacturers such as GMhave the POM apply 450 mV to the O2S signal wire, this voltage is called 3 Another name for the signal electrode is the 5 Automotive computer systems use a sensor in the exhaust system to measure the oxygen content of the exhaust, these sensors are called 6 The checking and adjusting of the POM is called operation. 7 The fast heating, called improve fuel economy and reduces cold-start exhaust emissions. 9 - oxygen sensors have been used since 1992 on some Hondas. 10 The _____ oxygen sensor does not produce a voltage but rather changes resistance due to the presence of oxygen in the exhaust. 11 When the PCM alone is determining the amount of fuel needed, it is called _____ operation.