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 GM have the PCM 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 PCM is called _______-______ operation.
7. The fast heating, called ______-, helps 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.