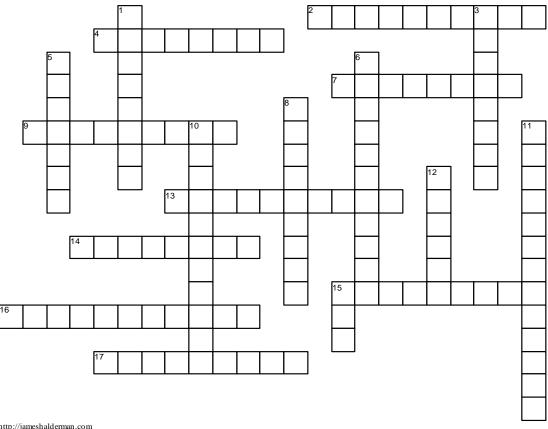
## Oxygen Sensors Chapter 78



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## **ACROSS**

2	The checking and adjusting of the PCIVI is called
	operation.
4	The numbers are determined from the
	signals by the oxygen sensor.
7	oxy gen sensors have been used since
	1992 on some Hondas.
9	If an oxygen sensor reads low as a result of a factor
	besides a lean mixture, it is often called a
	indication.
13	A typical wide-band oxygen sensor
	looks similar to a conventional four-wire zirconia
	oxy gen sensor.
14	A oxy gen sensor is made of zirconium
	dioxide, an electrically conductive material capable of
	generating a small voltage in the presence of oxygen.
15	Another name for the signal electrode is the
	electrode.
16	electrode is exposed to the exhaust
	stream.
17	When the O2S reads high as a result of other factors
	besides a rich mixture, it is often called a
	indication.

## **DOWN**

A, planar-ty pe oxy gen sensor is made like
a conventional planar O2S, or Nernst cell.
When the PCM alone is determining the amount of
fuel needed, it is called operation.
The oxygen sensor does not produce a
voltage but rather changes resistance due to the
presence of oxygen in the exhaust.
Some vehicle manufacturers such as GM have the
PCM apply 450 mV to the O2S signal wire, this
voltage is called
A zirconia oxy gen sensor is often referred to as a
electrode is exposed to outside air and
is the signal electrode.
Automotive computer systems use a sensor in the
exhaust system to measure the oxygen content of the
exhaust, these sensors are called
In 1998, Bosch introduced a wide-band oxygen sensor
that is flat and thine, known as a design.
The wrong type of sealer on a valve cover gasket
gives off harmful silica fumes during the curing
process.

