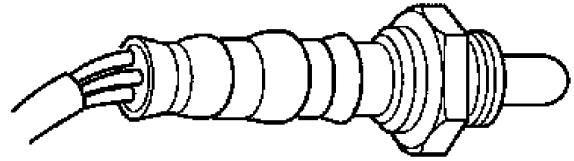


Oxygen Sensors

Two oxygen sensors are installed in the exhaust system. One oxygen sensor is installed at the input to the catalytic converter; the second oxygen sensor is installed at the output of the catalytic converter.

The oxygen sensors monitor the correct functioning of the exhaust system.



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The oxygen sensors are heated so that they function at low exhaust temperatures.

The oxygen sensors produce an output voltage that is inversely proportional to the oxygen content of the exhaust gas. That is, a large oxygen content (lean mixture) produces a low voltage signal; a small oxygen content (rich mixture) produces a higher voltage signal.

This output voltage is analysed within the engine control unit to calculate the width of the electrical pulse that is required to operate the injectors.