

AUDI P1196: O2 SENSOR HEATER CIRCUIT (BANK 1-SENSOR 1) ELECTRICAL MALFUNCTION

OVERVIEW

Severity	:	High
DIY Difficulty Level	:	Intermediate
Repair Cost	:	\$100-\$300
Can I Still Drive?	:	Yes (Short-term only)

What Does The Audi P1196 Code Mean?

Engine started, battery voltage must be at least 11.5v, all electrical components must be off, the ground between the engine and the chassis must be well connected, the exhaust system must be properly sealed between the catalytic converter and the cylinder head, and the oxygen sensor heater for oxygen sensor before the catalytic converter must be properly functioning.

Note: For resistance testing of sensor heating, oxygen sensor should be cooled to ambient temperature. High temperatures at oxygen sensor may lead to inaccurate measurements. The ECM detected an open or shorted condition, or excessive current draw in the heater circuit.

What Are The Potential Causes Of The Audi P1196 Code?

Below are some potential causes of this DTC:

- HO2S heater power circuit is open
- HO2S heater ground circuit is open
- HO2S signal tracking (due to oil or moisture in the connector)
- HO2S is damaged or has failed
- ECM has failed
- Oxygen sensor (before catalytic converter) is faulty
- Oxygen sensor (behind catalytic converter) is faulty

- Oxygen sensor heater (before catalytic converter) is faulty
- Oxygen sensor heater (behind catalytic converter) is faulty

Reference Sources

Audi of American, 2013, [Technical Service Bulletin](#).