

AUDI P1639: ACCELERATOR PEDAL POSITION SENSOR 1+2 RANGE/PERFORMANCE

OVERVIEW

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

What Does The Audi P1639 Code Mean?

This code indicates the condition that engine started, battery voltage at least 11.5v, all electrical components off, ground connections between engine and chassis well connected, the ECM detected that the accelerator pedal position sensor signal was too high.

Note: Both the Throttle Position (TP) Sensor and Accelerator Pedal Position Sensor 2 are located at the accelerator pedal module and communicate the driver's intentions to the ECM completely independently of each other. Both sensors are stored in one housing.

What Are The Potential Causes Of The Audi P1639 Code?

Below are some potential causes of this DTC:

- Ground between engine and chassis may be broken
- Throttle position sensor may have failed
- Accelerator Pedal Position Sensor 2 has failed
- Throttle position sensor wiring may have shorted
- Faulty voltage supply
- ECM has failed

Reference Sources

[Audi A4 Avant 95-01 Service Repair Manual](#), page 61.