

AUDI P1171: THROTTLE ACTUATION POTENTIOMETER SIGN.2 RANGE/PERFORMANCE

OVERVIEW

Severity	:	High
DIY Difficulty Level	:	Intermediate
Repair Cost	:	\$100-\$1000
Can I Still Drive?	:	No

What Does The Audi P1171 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, coolant temperature must be at least 80 degrees Celsius and the accelerator pedal must be properly adjusted. The ECM detected an incorrect signal from the throttle potentiometer.

Note:

- If the complete throttle valve control module is current-less (e. g. connector disconnected) the throttle valve moves into a particular, specified mechanical position, which signals an increased idle speed with an engine at operating temperature. If only the Throttle Position (TP) actuator is current-less, the throttle valve also moves into the specified mechanical position (emergency running gap), however, since Closed Throttle Position (CTP) switch can still be recognized, an "almost normal idle RPM" is reached via the respective ignition angle retardation.
- Terminal assignment at throttle control module is different in vehicles with and without cruise control.

What Are The Potential Causes Of The Audi P1171 Code?

- Throttle valve control module has failed

- Throttle valve is dirty or damaged
- Throttle valve is not in a closed position
- Voltage supply of throttle valve control module is shorted or open
- ECM has failed

Reference Sources

[Audi A4 Avant 95-01 Service Repair Manual](#), page 41.