

AUDI P1421: SECONDARY AIR INJECTOR VALVE CIRCUIT SHORT TO GROUND

OVERVIEW

Severity	:	<div><div>Medium</div></div>
DIY Difficulty Level	:	<div><div>Intermediate</div></div>
Repair Cost	:	\$250-\$300
Can I Still Drive?	:	Yes (Short-term only)

What Does The Audi P1421 Code Mean?

This code indicates that the Engine Control Module detects a short circuit to ground when activating the secondary air injection solenoid valve.

Note: Solenoid valve is closed when no voltage is present.

What Are The Potential Causes Of The Audi P1421 Code?

Below are some potential causes of this DTC:

- Connector to the secondary air injection valve is loose or disconnected
- Secondary air injector valve circuit short
- Secondary air injector valve circuit is open
- Faulty secondary air injector valve
- ECM has failed

Reference Sources

[Audi A4 Avant 95-01 Service Repair Manual](#), page 49.