

BMW P1421: SECONDARY AIR INJECTOR VALVE CIRCUIT SHORT TO GROUND

OVERVIEW

Severity	:	Medium
DIY Difficulty Level	:	Intermediate
Repair Cost	:	\$250-\$300
Can I Still Drive?	:	Yes

What Does The BMW P1421 Code Mean?

The Engine Control Module detects a short circuit to ground when activating the secondary air injection solenoid valve. The air mass is greater than 12 but less than 152 m kg/h, coolant temperature is greater than 3 but less than 75 degrees Celsius.

What Are The Potential Causes Of The BMW P1421 Code?

- 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

Reference Sources

[BMW Fault Codes \(DTCs\)](#), page 15.