

BMW P1413: SECONDARY AIR INJECTOR PUMP RELAY CONTROL CIRCUIT SIGNAL LOW

OVERVIEW

Severity	:	<div><div></div></div> High
DIY Difficulty Level	:	<div><div>Intermediate</div></div>
Repair Cost	:	\$550-\$750
Can I Still Drive?	:	Yes (Short-term only)

What Does The BMW P1413 Code Mean?

The Engine Control Module detects a short circuit 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 BMW P1413 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

Reference Sources

[BMW P1413](#), DTCDECODE.