

## MAZDA P1524: CHARGE AIR COOLER BYPASS SOLENOID CIRCUIT MALFUNCTION

### OVERVIEW

Severity	:	<div><div>Medium</div></div>
DIY Difficulty Level	:	<div><div>Intermediate</div></div>
Repair Cost	:	\$300-\$400
Can I Still Drive?	:	<b>Yes</b> (Short-term only)

### What Does The Mazda P1524 Code Mean?

Key on or engine running and the PCM detected an unexpected voltage condition on the Charge Air Cooler Bypass Solenoid Valve circuit during the CCM test period.

### What Are The Potential Causes Of The Mazda P1524 Code?

- CAC bypass solenoid control circuit open or shorted to ground
- CAC bypass solenoid control circuit is shorted to system power
- CAC bypass solenoid is damaged or has failed
- PCM has failed

### Reference Sources

[Mazda P1524](#), DTCDECODE.