

DODGE P1628: SENSOR REFERENCE VOLTAGE 2 CIRCUIT ERRATIC

OVERVIEW

Severity	:	<div><div>Medium</div></div>
DIY Difficulty Level	:	<div><div>Intermediate</div></div>
Repair Cost	:	\$75-\$200
Can I Still Drive?	:	Yes (Short-term only)

What Does The Dodge P1628 Code Mean?

The Powertrain Control Module (PCM) contains two internal 5-Volt Sensor Supply sources; Reference Voltage 1 and Reference Voltage 2. Each of these 5-Volt Supply sources are split internally into parallel circuits to provide a 5.0 volt reference to multiple three wire sensors. For self protection, if the 5-Volt Supply circuit is shorted to ground or if one of the sensors is internally shorted, the PCM will turn off the 5-Volt Supply circuit until the next ignition cycle.

What Are The Potential Causes Of The Dodge P1628 Code?

- 5-volt supply circuit intermittently shorted to ground
- 5-volt supply circuit intermittently shorted to voltage
- 5-volt supply circuit intermittently open
- MAP sensor
- Camshaft position sensor
- Camshaft position sensor 2
- Accelerator pedal position (APP) sensor
- Powertrain control module (PCM)

Reference Sources

[Dodge P1628](#), DTCDECODE.