

DODGE P1618: SENSOR REFERENCE VOLTAGE 1 ERRATIC

OVERVIEW

Severity	:	High
DIY Difficulty Level	:	Advanced
Repair Cost	:	\$100-\$700
Can I Still Drive?	:	No

What Does The Dodge P1618 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 P1618 Code?

- 5-VOLT SUPPLY CIRCUIT INTERMITTENTLY SHORTED TO GROUND
- 5-VOLT SUPPLY CIRCUIT INTERMITTENTLY SHORTED TO VOLTAGE
- 5-VOLT SUPPLY CIRCUIT INTERMITTENTLY OPEN
- CRANKSHAFT POSITION SENSOR
- ENGINE OIL PRESSURE SENSOR
- THROTTLE BODY ASSEMBLY
- ACCELERATOR PEDAL POSITION (APP) SENSOR
- POWERTRAIN CONTROL MODULE (PCM)

Reference Sources

[Dodge P1618](#), DTCDECODE.