

## CHEVROLET P1838: INTERNAL MODE SWITCH A CIRCUIT HIGH VOLTAGE

### OVERVIEW

Severity	:	<div><div></div></div> High
DIY Difficulty Level	:	<div><div>Intermediate</div></div>
Repair Cost	:	\$170-\$300
Can I Still Drive?	:	Yes (Short-term only)

### What Does The Chevrolet P1838 Code Mean?

The system voltage is 11-18 V. P182E The engine run time is greater than 5 seconds. The system voltage is 11-18 V. The vehicle speed is less than 200 km/h (124 mph) for 5 seconds.

### What Are The Potential Causes Of The Chevrolet P1838 Code?

Any one or more of the following conditions:

- The IMS signal circuit A, B, or P are Low in Park for greater than 8 seconds.
- The IMS signal circuit A is Low in D for 8 seconds.
- The IMS signal circuit C is High in D for 8 seconds.
- The TCM detects an invalid range from the IMS for 3.25 seconds.
- The IMS signal circuit C is high in D for greater than 8 seconds.
- Park/Neutral Switch equals P/N and the IMS state is not Park or Neutral, or the Park/Neutral switch is not Park or Neutral and the IMS state equals Park or Neutral for 4 seconds.
- Or the automatic transmission manual shift shaft position switch assembly indicates a transitional state for 8 seconds.

### Reference Sources

[Chevrolet Volt Hybrid DTC](#) - OBDG01 HYBRID Diagnostics Document, page 305.