

## CHEVROLET P1B46: HYBRID/EV BATTERY 33 CIRCUIT LOW VOLTAGE

### OVERVIEW

Severity	:	<div><div></div></div> High
DIY Difficulty Level	:	<div><div>Intermediate</div></div>
Repair Cost	:	\$100-\$350
Can I Still Drive?	:	No

### What Does The Chevrolet P1B46 Code Mean?

This DTC is set when voltage is detected below threshold.

Conditions for setting the DTC:

- The battery energy control module is awake and communicating.
- Vehicle speed is greater than 0.
- There is a change in the Voltage and Current readings.

### What Are The Potential Causes Of The Chevrolet P1B46 Code?

- Battery Circuit: The battery energy control module detects high resistance on the circuit.
- Circuit Performance: The faulted cell group does not change voltage.
- Low Voltage: Any hybrid/EV battery voltage signal is less than 0.2 V.
- High Voltage: Any hybrid/EV battery voltage signal is greater than 4.8 V.

### Reference Sources

[Chevrolet Volt Hybrid DTC](#) - OBDG01 HYBRID Diagnostics Document, page 612.