CHEVROLET P16F2: CONTROL MODULE TRANSMISSION DIRECTION RANGE SWITCH

OVERVIEW

Severity	:	High
DIY Difficulty Level	:	Intermediate
Repair Cost	:	**$200-$350**
Can I Still Drive?	:	**Yes** (Short-term only)

What Does The Chevrolet P16F2 Code Mean?

The ignition is ON. Ignition voltage is at least 9.5 V and no more than 18 V.

Conditions for setting the DTC:

Condition 1

- No internal mode switch direction switch DTCs are set.
- A valid internal mode switch direction indicated by the internal mode switch does not match the direction indicated by the hybrid powertrain control module software.

Condition 2

- No internal mode switch direction switch DTCs are set.
- Two valid internal mode switch directions are indicated at the same time.

Condition 3

- One internal mode switch direction switch circuit has failed.
- The hybrid powertrain control module calculates a transmission direction based upon the remaining internal mode switch circuits but it does not match the direction indicated by the hybrid powertrain control module software.

Condition 4

- Multiple internal mode switch directions and one internal mode switch direction switch circuit has failed.
- Based upon the remaining internal mode switch circuits the hybrid powertrain control module calculated two directions at the same time.

Condition 5

- More than one internal mode switch direction circuit has failed and the hybrid powertrain control module cannot calculate a transmission direction.
- Ignition voltage is 9.5-18 V.

Reference Sources

Chevrolet Volt Hybrid DTC - OBDG01 HYBRID Diagnostics Document, page 378.