

## CADILLAC P1645: EVAP SOLENOID CONTROL CIRCUIT MALFUNCTION

### OVERVIEW

|                      |   |                                    |
|----------------------|---|------------------------------------|
| Severity             | : | <div><div>Medium</div></div>       |
| DIY Difficulty Level | : | <div><div>Intermediate</div></div> |
| Repair Cost          | : | \$100-\$200                        |
| Can I Still Drive?   | : | Yes                                |

### What Does The Cadillac P1645 Code Mean?

Engine runtime over 10 seconds, and the PCM detected an unexpected "low" voltage condition on the EVAP Solenoid control circuit for 2 seconds during the test.

### What Are The Potential Causes Of The Cadillac P1645 Code?

- EVAP solenoid control circuit is open or shorted to ground
- EVAP solenoid power circuit is open (check the ECS fuse)
- EVAP solenoid is damaged or has failed
- PCM has failed

### Reference Sources

GM, 2013, [Service Bulletin - Prior To Any Circuit Testing](#).