

CADILLAC P1682: IGNITION 1 SWITCH CIRCUIT 2

OVERVIEW

Severity	:	<div><div>High</div></div>
DIY Difficulty Level	:	<div><div>Intermediate</div></div>
Repair Cost	:	\$130-\$400
Can I Still Drive?	:	Yes

What Does The Cadillac P1682 Code Mean?

The powertrain relay is commanded on. Ignition 1 Signal voltage is greater than 5.5 V. DTC P1682 runs continuously when the above conditions are met.

What Are The Potential Causes Of The Cadillac P1682 Code?

The ECM detects that the voltage level difference is greater than 3 V between the 2 ignition voltage circuits for less than 1 s.

Reference Sources

- GM, 2013, [Service Bulletin - Prior To Any Circuit Testing](#).
- GM, 2020 [Service Bulletin - PIP5729 DTC P0101 Mass Air Flow \(MAF\) Sensor Performance, P1682 Set after MAF Replacement](#).