

CADILLAC P1377: ICM CMP PULSE TO 4X REFERENCE PULSE COMPARISON

OVERVIEW

Severity	:	High
DIY Difficulty Level	:	Intermediate
Repair Cost	:	\$200-\$400
Can I Still Drive?	:	Yes (Short-term only)

What Does The Cadillac P1377 Code Mean?

DTC [P1376](#) not set, engine started, engine speed over 496 rpm, at least 7 CMP pulses received since startup, and the PCM detected that the number of 4X REF pulses it received during 2 CMP pulse periods did not equal 16 at least twice in a row during the CC.

What Are The Potential Causes Of The Cadillac P1377 Code?

Below are some potential causes of this DTC:

- IC fuel control 4X signal circuit is open, shorted to ground or B+
- CMP sensor signal circuit is open or has high resistance
- CMP high or low reference circuit is open or high resistance

Reference Sources

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