

CADILLAC P1415: SECONDARY AIR INJECTION SYSTEM (BANK 1) MALFUNCTION

OVERVIEW

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

What Does The Cadillac P1415 Code Mean?

Engine runtime over 2 seconds in closed loop, ECT sensor over 239°F, TP angle stable, engine load under 6.6%, airflow below 26 g/sec, and the PCM detected the HO2S signal was less than 400 mv for a time period based on the ECT sensor signal at startup.

What Are The Potential Causes Of The Cadillac P1415 Code?

Below are some potential causes of this DTC:

- Air hoses disconnected, loose, kinked or failed (a burnt hose)
- AIR pump is damaged or has failed (inspect air pump for water)
- AIR system check valves and/or pipes are damaged or leaking
- AIR check valve (in hose to vacuum bleed valve) stuck closed
- PCM has failed

Reference Sources

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