

CADILLAC P1AE2: BATTERY ENERGY CONTROL MODULE HIGH VOLTAGE SYSTEM INTERLOCK CIRCUIT

OVERVIEW

Severity	:	High
DIY Difficulty Level	:	Advanced
Repair Cost	:	\$500-\$3500
Can I Still Drive?	:	No

What Does The Cadillac P1AE2 Code Mean?

Conditions for setting the DTC:

- P1AE2, [P1AE3](#) and [P1AE4](#), the ignition voltage is 9-18 V.
- Wake up signal is active.
- Battery energy control module is supplying current on the high voltage interlock circuit. This normally occurs when high voltage contactor relays are closed.
- The battery energy control module detects high voltage interlock circuit source current is less than 5 mA and high voltage interlock return current is less than 5 mA.

DTC P1AE2 sets within 1 second when the above condition is met.

Reference Sources

- GM, 2018, [Service Bulletin](#) - PIT4811C Hybrid No Crank With Multiple Diagnostic Codes.
- GM, 2016, [Service Bulletin](#) - Hybrid No Crank With Multiple Diagnostic Codes.