

CADILLAC P1AE4: BATTERY ENERGY CONTROL MODULE HIGH VOLTAGE SYSTEM INTERLOCK CIRCUIT HIGH VOLTAGE

OVERVIEW

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

What Does The Cadillac P1AE4 Code Mean?

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 source current is less than 5 mA and high voltage interlock return current is greater than 35 mA.
- DTC P1AE4 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.