



P0EED

Battery Energy Control Module B

P0EED indicates that the battery energy control module B has reported an internal fault or a communication failure to the powertrain control module. The computer detects this when the module's self-diagnostics flag an error or when expected data messages are missing from the controller area network bus.

SYSTEM	CODE TYPE	SEVERITY	FIX DIFFICULTY	AREA
Powertrain	Generic (all makes)	High	Professional	Hybrid propulsion

Symptoms you may notice

- Illumination of the battery warning light or service vehicle soon message on the dashboard
- Reduced or disabled battery charging, leading to a slow crank or no-start condition
- Loss of hybrid or electric drive functions, with the vehicle entering a limp-home mode
- Inconsistent state-of-charge readings or sudden drops in indicated battery capacity
- Often no symptoms besides the warning light, especially if the fault is intermittent

Common causes, most likely first

- 1 Internal failure of the battery energy control module B itself, such as a corrupted memory or failed circuit board
- 2 Damaged or corroded wiring and connectors between the module and the battery pack
- 3 Low or unstable 12-volt supply to the module, including a weak auxiliary battery or poor ground
- 4 Controller area network bus communication faults, such as a shorted or open data line
- 5 Software or calibration error in the module requiring a reflash or update
- 6 High-voltage interlock loop interruption that prevents the module from initializing

How to diagnose and fix it

- 1 Perform a full scan of all modules to confirm P0EED is current and check for related communication codes
- 2 Inspect the 12-volt battery, its terminals, and the module's power and ground connections for corrosion or looseness
- 3 Check the controller area network bus integrity with a multimeter or oscilloscope to rule out wiring faults
- 4 Verify the high-voltage interlock loop is intact and that the service disconnect is properly seated
- 5 Consult the manufacturer's service information for any applicable software updates or recalibration procedures
- 6 If all external checks pass, replace and reprogram the battery energy control module B according to the service manual



When the module is not the real culprit

- A weak or failing 12-volt auxiliary battery is a common cause of this code because the module needs a stable supply to boot and communicate
- Corroded pins in the high-voltage connector can mimic an internal module failure, so always inspect connectors before condemning the module
- The code can set intermittently from a loose ground strap that only loses contact during vibration or temperature swings
- After replacing the module, some vehicles require a battery pack learn or calibration procedure, or the code will return immediately
- A controller area network bus fault elsewhere in the vehicle can prevent the module from reporting, setting P0EED even though the module is healthy

Can I keep driving with P0EED?

Do not continue driving with this code because a failed battery energy control module can disable charging and leave you stranded or cause a sudden loss of power. Have the vehicle towed to a qualified repair facility if it will not start or if the high-voltage system warning is active.

Tools that help

- OBD-II scan tool with manufacturer-specific software
- Digital multimeter
- Oscilloscope for controller area network bus analysis
- Insulated hand tools for high-voltage safety
- Service information for wiring diagrams and reprogramming procedures

Reading P0EED

P	Powertrain: engine, transmission and emissions.
0	Generic (SAE) code: it means the same thing on every OBD-II vehicle.
E	Hybrid propulsion.
ED	The exact fault within that area.

Often seen with

P0A0D High Voltage System Interlock Circuit A High · **P0AFA** Hybrid/EV Battery System Voltage Low · **P0EEC** Battery Charger Coupler Temperature Sensor B Circuit Intermi · **P0EEE** Hybrid/EV Battery Discharge Circuit Performance · **U0111** Lost Communication With Battery Energy Control Module 'A'



See it working

Watch the animated explainer [How Regenerative Braking Works in Electric Cars](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/p0eed/>

