

GENERIC · POWERTRAIN

P0B62

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

P0B62

Hybrid/EV Battery Voltage Sense H Circuit Intermittent/Erratic

P0B62 indicates that the hybrid or electric vehicle battery control module has detected an intermittent or erratic signal on the voltage sensing circuit for battery module H. The computer expects a steady voltage reading from this circuit, but the signal is dropping out or fluctuating beyond acceptable limits, which can affect battery management and state-of-charge calculations.

SYSTEM

Powertrain

CODE TYPE

Generic (all makes)

SEVERITY

Medium

FIX DIFFICULTY

Professional

AREA

Hybrid propulsion

Symptoms you may notice

- Illumination of the hybrid system warning light or check engine light
- Reduced electric-only range or hybrid system performance
- Inconsistent state-of-charge readings on the dashboard
- The vehicle may enter a fail-safe mode with reduced power
- Often no symptoms besides the warning light

Common causes, most likely first

- 1 Loose or corroded electrical connector at the battery voltage sense module
- 2 Damaged or chafed wiring in the voltage sense circuit
- 3 Faulty voltage sense harness or connector pins
- 4 Internal failure in the battery voltage sensing module
- 5 Poor terminal contact at the battery pack connector
- 6 Moisture intrusion into the voltage sense circuit
- 7 Battery control module software glitch or internal fault

How to diagnose and fix it

- 1 Inspect and clean the voltage sense connector at the battery module, checking for corrosion or loose pins
- 2 Perform a wiggle test on the voltage sense wiring while monitoring live data to identify intermittent opens
- 3 Measure resistance and voltage drop across the sense circuit to detect excessive resistance
- 4 Check for technical service bulletins (TSBs) or software updates for the battery control module
- 5 Replace the voltage sense harness or connector if damage is found
- 6 Substitute a known-good voltage sensing module to confirm internal failure
- 7 Clear the code and verify the repair with a road test and live data monitoring



Intermittent faults hide in connectors and harnesses

- A loose ground connection at the battery pack can cause erratic voltage readings that mimic a faulty sensor.
- The code may set only under specific conditions such as vibration or temperature extremes, so a static inspection often misses the root cause.
- Replacing the battery voltage sensing module without checking the harness is a common misdiagnosis that leads to repeat failures.
- Aftermarket accessories or improper jump-starting can introduce voltage spikes that damage the sense circuit.
- The battery control module may store this code as history even after a one-time glitch, so always check for related pending codes.

Can I keep driving with P0B62?

It is generally safe to drive with this code if the vehicle is operating normally, but avoid aggressive driving or heavy electrical loads until the fault is repaired. If the hybrid system warning light is on or performance is reduced, have the vehicle inspected promptly to prevent battery damage.

Tools that help

- OBD-II scan tool with live data capability
- Digital multimeter
- Wiring diagram for the hybrid battery voltage sense circuit
- Terminal pick and electrical contact cleaner
- Oscilloscope for intermittent signal analysis

Reading P0B62

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

Often seen with

P0A1F Battery Energy Control Module A Performance · **P0AFA** Hybrid/EV Battery System Voltage Low · **P0B5F** Hybrid/EV Battery Voltage Sense H Circuit Range/Performance · **P0B61** Hybrid/EV Battery Voltage Sense H Circuit High · **P0B63** Hybrid/EV Battery Voltage Sense I Circuit



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/p0b62/>

