

GENERIC · POWERTRAIN

P0E14

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

P0E14

Hybrid/EV Battery Pack Coolant Heater A Control Circuit High

P0E14 indicates that the hybrid or electric vehicle battery pack coolant heater control circuit is reporting a voltage higher than expected, which the computer detects as an open circuit or a short to voltage on the control wire. The heater is used to warm the battery coolant in cold conditions to improve performance and charging, so this fault may prevent that function from working.

SYSTEM	CODE TYPE	SEVERITY	FIX DIFFICULTY	AREA
Powertrain	Generic (all makes)	Medium	Intermediate	Hybrid propulsion

Symptoms you may notice

- Illumination of the check engine light or service vehicle soon message
- Often no symptoms besides the warning light
- Reduced hybrid/EV performance or charging efficiency in cold weather
- Battery pack may remain cold, leading to limited power output
- Possible failure of the coolant heater to activate when needed
- In some cases, a no-start condition or reduced electric range

Common causes, most likely first

- 1 Open circuit in the coolant heater control wire (broken wire, loose connector, or corroded terminal)
- 2 Short to voltage on the control circuit (wiring chafed against a power wire)
- 3 Faulty coolant heater element or heater control module
- 4 Failed battery pack coolant temperature sensor providing incorrect feedback
- 5 Corrosion or water intrusion in the heater connector
- 6 Faulty hybrid/EV control module (less common)

How to diagnose and fix it

- 1 Inspect the coolant heater connector and wiring for damage, corrosion, or loose pins
- 2 Check for continuity and resistance on the control circuit between the heater and the control module
- 3 Test for short to voltage on the control wire with a multimeter while wiggling the harness
- 4 Verify the coolant heater element resistance against specifications
- 5 Check the battery pack coolant temperature sensor signal for accuracy
- 6 If wiring and sensor are good, test or replace the coolant heater assembly
- 7 Clear the code and perform a road test to confirm the repair



Don't overlook the coolant heater relay

- A stuck-closed coolant heater relay can feed voltage back into the control circuit, setting this code even when the heater itself is fine.
- The code can be set by a poor ground connection at the heater, which causes the control module to see an unexpected voltage on the control wire.
- In some vehicles, the coolant heater is only active below a certain ambient temperature, so the fault may not appear until cold weather arrives.
- A weak or failing 12-volt auxiliary battery can cause erratic module behavior and false control circuit codes, so always check battery health first.
- After replacing the heater, some models require a relearn or calibration procedure for the hybrid control module to recognize the new component.

Can I keep driving with P0E14?

You can generally continue driving, but avoid relying on the vehicle for long trips in cold weather until the fault is repaired, as the battery may not warm properly and performance could be reduced. If the warning light is accompanied by a significant loss of power or charging issues, seek service promptly.

Tools that help

- OBD-II scan tool with live data capability
- Digital multimeter
- Wiring diagram for the specific vehicle
- Socket set and trim removal tools
- Insulation resistance tester (megohmmeter)

Reading P0E14

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

Often seen with

P0A0D High Voltage System Interlock Circuit A High · **P0A0F** Engine Failed to Start · **P0C73** Hybrid Battery Pack Cooling Pump Performance · **P0E13** Hybrid/EV Battery Pack Coolant Heater A Control Circuit Low · **P0E15** Hybrid/EV Battery Pack Coolant Heater A Control Performance



See it working

Watch the animated explainer [Engine Cooling System Trainer: How Engines Stay Cool](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/p0e14/>

