

GENERIC · BODY

B0341

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

B0341

HVAC Heated Seat Driver Circuit

B0341 indicates that the body control module (BCM) or climate control module has detected an electrical fault in the driver's heated seat circuit, such as an open, short, or out-of-range resistance. The module monitors current or voltage on the heating element and wiring, and when the signal falls outside the expected range, it stores this code and may disable the heated seat function.

SYSTEM

Body

CODE TYPE

Generic (all makes)

SEVERITY

Low

FIX DIFFICULTY

Intermediate

AREA

Airbags, seats, doors, lights and comfort systems

Symptoms you may notice

- The driver's heated seat does not warm up at all when switched on.
- The heated seat may work intermittently or only on certain settings.
- The heated seat indicator light may flash or stay off when the button is pressed.
- Often no symptoms besides the warning light, especially if the fault is intermittent.
- The seat may warm briefly and then shut off as the module protects the circuit.
- Other seat functions like power adjustment or memory may still work normally.

Common causes, most likely first

- 1 Broken or frayed heating element wire inside the driver's seat cushion or backrest.
- 2 Damaged wiring harness or connector under the seat, often from flexing or debris.
- 3 Corroded or loose electrical connector at the seat or module.
- 4 Failed heated seat control switch or module.
- 5 Blown fuse or faulty relay in the heated seat circuit.
- 6 Short to ground or power in the heating element or wiring.
- 7 Internal fault in the body control module (BCM) or climate control module.



How to diagnose and fix it

- 1 Check the heated seat fuse and relay first, as these are the simplest and cheapest items to verify.
- 2 Inspect the wiring harness and connectors under the driver's seat for damage, corrosion, or looseness.
- 3 Measure resistance of the heating element with a multimeter and compare to the manufacturer's specification.
- 4 Test the heated seat switch for proper continuity and signal output.
- 5 Check for short circuits to ground or power in the heating element and wiring.
- 6 If all external components test good, diagnose the body control module or climate control module for internal faults.
- 7 Clear the code and verify the repair by operating the heated seat and confirming the code does not return.

Before you replace the heated seat element

- A common oversight is assuming the heating element is bad when the real problem is a chafed wire under the seat that only shorts when the seat is occupied.
- The code can be set by a faulty seat occupancy sensor or weight sensor that shares the same harness, even though the heated seat itself works.
- Intermittent B0341 codes often appear after the seat has been moved fully forward or backward, indicating a wiring issue rather than a failed element.
- Some vehicles require recalibration of the heated seat module after battery replacement, and a missing calibration can mimic a circuit fault.
- A weak battery or charging system issue can cause the module to log this code falsely, so always check system voltage first.

Can I keep driving with B0341?

The vehicle remains safe to drive because the heated seat is a comfort feature and does not affect steering, braking, or engine operation. Avoid using the heated seat until the fault is repaired, as a short circuit could drain the battery or damage the control module.

Tools that help

- OBD-II scan tool with body control module capability
- Digital multimeter
- Trim removal tools
- Wiring diagram for the specific vehicle
- Test light



Reading B0341

- B** Body: airbags, seats, doors, lights and comfort systems.
- 0** Generic (SAE) code: it means the same thing on every OBD-II vehicle.
- 3** Airbags, seats, doors, lights and comfort systems.
- 41** The exact fault within that area.

Often seen with

B0342 HVAC Heated Seat Passenger Circuit

See it working

Watch the animated explainer [Four-Stroke Engine Notebook: The Otto Cycle Explained](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/b0341/>

