

GENERIC · BODY

B0580

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

B0580

Driver Seat Memory Module Malfunction

B0580 means the driver seat memory module has reported an internal fault or a failure in its communication with the body control module (BCM). The module stores this code when its self-test detects a problem with its own circuitry, power supply, or memory functions, so the seat may stop returning to saved positions.

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 seat memory buttons do not recall saved positions when pressed
- The memory indicator light on the door panel flashes or stays off
- The seat moves only with the manual adjustment switches, not the memory controls
- The seat may move to an unexpected position or stop mid-travel during recall
- Often no symptoms besides the warning light, with memory functions working normally
- The seat memory may work intermittently, especially in cold or damp weather

Common causes, most likely first

- 1 Failed driver seat memory module internal circuitry
- 2 Corroded or loose electrical connectors at the seat memory module
- 3 Damaged wiring in the seat harness, often from repeated seat movement
- 4 Low or unstable voltage supply to the memory module, including a weak battery
- 5 Water intrusion into the seat module or connector area
- 6 Failed seat position sensor or motor feedback signal affecting module self-test
- 7 Communication bus fault between the memory module and the body control module



How to diagnose and fix it

- 1 Verify battery voltage and charge the battery if it is below 12.4 volts, then clear the code and retest
- 2 Inspect the seat memory module connectors for corrosion, loose pins, or water intrusion and clean or repair as needed
- 3 Check the seat harness for chafed or broken wires where it flexes with seat movement, repairing any damage
- 4 Use a scan tool to read live data from the memory module and confirm whether position sensor and switch inputs are valid
- 5 Perform a module self-test or bidirectional test with a factory-level scan tool to confirm the internal fault
- 6 If the module fails self-test after power and wiring are confirmed good, replace and reprogram the seat memory module
- 7 After repair, clear codes, cycle the ignition, and verify memory recall works for all saved positions

Before you replace the seat memory module

- A weak or failing battery is a common cause of false B0580 codes because the memory module logs an internal fault when supply voltage drops during cranking.
- Water leaking past the door seal or sunroof drain can reach the seat module connector and mimic an internal module failure, so always check for dampness before condemning the module.
- The seat memory module often shares a communication bus with the door modules, so a fault elsewhere on that bus can set B0580 even when the seat module itself is healthy.
- After replacing the module, many vehicles require a calibration or normalization procedure for the seat position sensors, and skipping it will leave memory recall inoperative.
- Intermittent B0580 codes that appear only in cold weather often trace to a marginal solder joint inside the module rather than a wiring fault.

Can I keep driving with B0580?

The vehicle remains safe to drive because the seat still adjusts manually, but avoid relying on memory recall until the fault is repaired. If the seat moves unexpectedly during a recall attempt, stop using the memory function and adjust the seat manually.

Tools that help

- OBD-II scan tool with body control module capability
- Digital multimeter
- Factory service information for wiring diagrams and module programming
- Trim removal tools
- Battery charger or power supply



Reading B0580

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

Often seen with

U0155 Lost Communication With Body Control Module

See it working

Watch the animated explainer [How a Six-Speed Manual Gearbox Works](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/b0580/>

