

GENERIC · BODY

B0830

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

B0830

Left Front Turn Signal Circuit

B0830 is a body control module (BCM) code indicating a fault in the left front turn signal circuit, meaning the module has detected an open, short, or excessive resistance in the wiring or bulb for that specific signal. The BCM monitors the circuit voltage and current when the turn signal is commanded on, and it sets this code when the expected electrical load is not present or when the circuit is shorted to power or ground.

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 left front turn signal does not illuminate when the turn signal or hazard switch is activated.
- The turn signal indicator on the instrument cluster may flash rapidly (hyperflash) due to the missing load.
- A warning message or chime may appear on the driver information center indicating a lamp outage.
- The right front turn signal and other lighting functions may operate normally, isolating the fault to the left front.
- Often no symptoms besides the warning light if the fault is intermittent or only affects a secondary function like the side marker.
- The left front turn signal may work intermittently, especially over bumps or in wet conditions, if the fault is a loose connection.

Common causes, most likely first

- 1 A burned-out or damaged left front turn signal bulb, including a broken filament or corroded socket.
- 2 Corroded, loose, or disconnected electrical connector at the left front turn signal bulb or lamp assembly.
- 3 A damaged wire in the left front turn signal circuit, such as a break from flexing, chafing, or rodent damage.
- 4 A short to ground or short to voltage in the left front turn signal wiring, often caused by pinched insulation.
- 5 A faulty body control module (BCM) output driver for the left front turn signal circuit, though this is less common.
- 6 Water intrusion into the left front lamp housing or connector, leading to corrosion and high resistance.
- 7 Aftermarket LED bulb installation without a load resistor, causing the BCM to detect low current and set the code.



How to diagnose and fix it

- 1 Verify the left front turn signal bulb is the correct type and is not burned out; replace it if faulty.
- 2 Inspect the bulb socket and connector for corrosion, tightness, and proper pin fit; clean or repair as needed.
- 3 Check the left front turn signal circuit wiring for continuity, shorts to ground, and shorts to voltage using a digital multimeter.
- 4 Test the BCM output for the left front turn signal with a scan tool or oscilloscope to confirm the module is commanding the circuit on.
- 5 If the BCM output is absent, check powers and grounds to the BCM and inspect for water intrusion or internal damage.
- 6 Repair any damaged wiring, connectors, or grounds in the left front turn signal circuit, then clear the code and retest.
- 7 If all else checks out, consult the factory service information for BCM diagnostics and consider module replacement only as a last resort.

Before you replace the body control module

- A common misdiagnosis is replacing the BCM when the real problem is a corroded bulb socket or a chafed wire behind the left front fender liner, which is far more likely.
- Aftermarket LED turn signal bulbs often trigger B0830 because the BCM expects a certain current draw; adding a load resistor or returning to incandescent bulbs usually resolves it.
- The left front turn signal circuit may share a ground point with other lamps, so a bad ground can cause multiple lighting codes and misleading symptoms.
- Intermittent B0830 codes are frequently caused by a loose connector that only loses contact over bumps or when the steering wheel is turned, so wiggle-test the harness while watching live data.
- Some vehicles use a smart junction box or lighting control module that communicates over a network; a fault in that module can set B0830 even if the bulb and wiring test good.

Can I keep driving with B0830?

The vehicle remains safe to drive because the left front turn signal is not a critical safety system, but you should use hand signals when turning left until the fault is repaired. Avoid driving at night or in low-visibility conditions if the left front turn signal is completely inoperative, as other drivers may not see your intentions.

Tools that help

- Digital multimeter (DMM) with voltage, resistance, and continuity functions
- Scan tool capable of reading BCM codes and live data
- Test light or automotive logic probe
- Trim removal tools for accessing lamp assemblies and wiring
- Factory service information or wiring diagrams for the specific vehicle



Reading B0830

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

Often seen with

B0831 Right Front Turn Signal Circuit

See it working

Watch the animated explainer [Master the Four-Stroke Engine Cycle](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/b0830/>

