

GENERIC · BODY

B0129

OBD-II TROUBLE CODE

B0129

DC/AC Converter A High Voltage Power Outlet "C" Circuit/Open

B0129 indicates that the body control module (BCM) has detected an open circuit or high-voltage fault on the DC/AC converter's 'C' power outlet circuit, which is typically the household-style AC socket in the rear cargo area or center console. The computer monitors the converter's output and control circuit, and when the voltage exceeds the expected range or the circuit is open, it stores this code and disables the outlet.

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 AC power outlet does not provide power to connected devices
- A warning light or message on the dash indicating a power outlet fault
- The outlet may work intermittently or only with certain devices
- Often no symptoms besides the warning light, especially if the outlet is rarely used
- Other power outlets in the vehicle may also be affected if they share the same converter
- The converter may emit a humming or buzzing noise when the ignition is on

Common causes, most likely first

- 1 Blown fuse or fusible link in the converter's high-voltage supply circuit
- 2 Damaged or corroded wiring or connector at the outlet or converter
- 3 Failed DC/AC converter unit due to internal component failure
- 4 Open circuit in the control wire between the BCM and the converter
- 5 Poor ground connection for the converter or outlet
- 6 Short to voltage or ground in the outlet circuit
- 7 Water intrusion or physical damage to the outlet assembly



How to diagnose and fix it

- 1 Check the fuse and relay for the DC/AC converter circuit and replace if blown
- 2 Inspect the outlet and converter connectors for corrosion, loose pins, or damage
- 3 Measure voltage at the converter's input and output with a multimeter to verify power and ground
- 4 Perform a voltage drop test on the ground circuit to ensure a good connection
- 5 Check the control circuit between the BCM and converter for continuity and shorts
- 6 If all circuits test good, replace the DC/AC converter unit
- 7 Clear the code and verify the outlet operates correctly with a known-good device

What Most Techs Miss on B0129

- A common oversight is assuming the converter itself is faulty when the real problem is a blown fuse in a secondary fuse box that owners do not know exists.
- The code can be set by a faulty outlet assembly even if the converter tests good, because the outlet contains a switch or sensor that signals the BCM.
- In some vehicles, the DC/AC converter only operates when the engine is running, so testing with the ignition on but engine off can lead to a false diagnosis.
- Water leaks into the rear quarter panel or cargo area often corrode the converter's connectors, causing an open circuit that mimics a failed converter.
- After replacing the converter, some vehicles require a BCM relearn or calibration procedure to recognize the new unit and clear the code permanently.

Can I keep driving with B0129?

The vehicle remains safe to drive because the fault only affects the accessory power outlet, but avoid using the outlet until repaired to prevent further electrical issues. If the outlet is needed for critical devices, have it checked promptly.

Tools that help

- Digital multimeter
- Test light
- Fuse puller
- Socket set
- Trim removal tool
- Wiring diagram for the specific vehicle



Reading B0129

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

Often seen with

B0128 Passenger Occupant Detection System Malfunction · **B0130** Driver Seatbelt Tension Sensor Circuit · **B0131** A/V Sensor Washer Fluid C Control Circuit · **B0132** A/V Sensor Washer Fluid D Control Circuit · **B0133** A/V Sensor Washer Fluid E Control Circuit

See it working

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

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/b0129/>

