

GENERIC · BODY

B012A

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

B012A

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

B012A indicates that the body control module (BCM) has detected an open circuit or high voltage condition on the DC/AC converter's 'D' power outlet circuit. The converter, which turns the vehicle's 12-volt direct current into 110/120-volt alternating current for accessories, is not receiving the expected voltage feedback, so the BCM sets this code and may disable 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 power outlet labeled 'D' does not provide AC power to plugged-in devices.
- A warning light or message on the dash indicating a power outlet fault.
- The outlet may work intermittently, especially over bumps or when the vehicle is hot.
- Other power outlets in the vehicle may continue to work normally.
- Often no symptoms besides the warning light, as the outlet may simply stop working without affecting drivability.

Common causes, most likely first

- 1 Open circuit in the wiring between the DC/AC converter and the 'D' outlet, such as a broken wire or loose connector.
- 2 Failed DC/AC converter internal to the outlet assembly, causing no voltage output.
- 3 Blown fuse or tripped circuit breaker dedicated to the 'D' outlet circuit.
- 4 Corroded or damaged outlet socket terminals preventing proper voltage feedback.
- 5 Faulty body control module (BCM) not recognizing the converter's status signal.
- 6 High resistance in the ground circuit for the converter or outlet, causing voltage drop.



How to diagnose and fix it

- 1 Check the fuse and circuit breaker for the 'D' outlet circuit and replace if blown.
- 2 Inspect the outlet socket and connector for corrosion, loose pins, or physical damage.
- 3 Measure voltage at the outlet with a multimeter to confirm absence of AC output.
- 4 Perform a voltage drop test on the power and ground wires to the converter to locate high resistance.
- 5 Check for continuity and shorts in the wiring harness between the BCM and converter.
- 6 If wiring and fuses are good, test the converter with a known-good unit or follow manufacturer diagnostics.
- 7 Clear the code and verify repair by operating the outlet and confirming no return of the fault.

When the outlet code is not the outlet

- A common oversight is replacing the outlet assembly when the real fault is a chafed wire in the harness behind the trim panel.
- The BCM may set B012A if the converter's internal feedback signal is missing, even though the outlet still produces power.
- Corrosion inside the outlet from spilled drinks or moisture is a frequent cause that visual inspection alone can miss.
- Aftermarket accessories plugged into the outlet can overload the converter and cause intermittent open-circuit codes.
- The code can be set by a weak battery or charging system issue that causes the BCM to misread converter status during low-voltage conditions.

Can I keep driving with B012A?

This code does not affect engine operation or safety systems, so you can continue driving. Avoid using the 'D' outlet until repaired, and do not attempt to plug in high-draw devices that could worsen the fault.

Tools that help

- Digital multimeter with AC voltage capability
- Test light
- Fuse puller
- Trim removal tool
- Wiring diagram for the vehicle



Reading B012A

- 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.
- 2A** The exact fault within that area.

Often seen with

B012B DC/AC Converter A High Voltage Power Outlet "E" Circuit/Open · **B012C** DC/AC Converter A High Voltage Power Outlet Control Module " · **B012D** DC/AC Converter A High Voltage Power Outlet Control Module " · **B012E** DC/AC Converter A High Voltage Power Outlet Control Module "

See it working

Watch the animated explainer [How a Radiator Fan Relay Circuit Works](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/b012a/>

