

GENERIC · BODY

B012E

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

B012E

DC/AC Converter A High Voltage Power Outlet Control Module "C"

B012E indicates that the body control module (BCM) or dedicated power outlet control module has detected an abnormally high voltage on the control circuit for DC/AC converter A, which is the module responsible for supplying household-style AC power to the vehicle's power outlet. The computer sets this code when the voltage on the converter's control circuit exceeds the expected range, typically because of a short to voltage, a faulty converter, or a wiring problem.

SYSTEM

Body

CODE TYPE

Generic (all makes)

SEVERITY

Medium

FIX DIFFICULTY

Intermediate

AREA

Airbags, seats, doors, lights and comfort systems

Symptoms you may notice

- The AC power outlet stops working or delivers no voltage to connected devices
- The warning light for the power outlet system illuminates on the dashboard
- The outlet may work intermittently before failing completely
- Other electrical accessories on the same circuit may behave erratically
- Often no symptoms besides the warning light, especially if the outlet is not used
- The converter may emit a buzzing or humming noise when the ignition is on

Common causes, most likely first

- 1 Short to voltage on the control circuit between the converter and the control module
- 2 Faulty DC/AC converter A internal failure causing high voltage feedback
- 3 Damaged or corroded wiring harness connector at the converter or control module
- 4 Failed power outlet control module C (internal short or voltage regulation fault)
- 5 Water intrusion or contamination in the power outlet or converter connector
- 6 Aftermarket accessories improperly wired into the power outlet circuit



How to diagnose and fix it

- 1 Inspect the power outlet and converter connectors for corrosion, water damage, or loose pins
- 2 Disconnect the converter and measure control circuit voltage with a digital multimeter to check for a short to voltage
- 3 Check the control circuit wiring for chafing or pinched sections that could contact a power wire
- 4 Substitute a known-good DC/AC converter A and clear the code to see if it returns
- 5 If the code persists, test the power outlet control module C for internal shorts following the manufacturer's diagnostic procedure
- 6 Repair or replace any damaged wiring or connectors, then clear codes and verify the outlet operates correctly
- 7 Perform a full system scan to ensure no other modules are setting related codes that could affect the outlet control

Why a high voltage code is not always the converter

- A short to voltage on the control circuit is more common than an actual converter failure, so always check the wiring before replacing the converter.
- The code can be set by a weak or failing vehicle battery that causes voltage spikes, so test the charging system first.
- Aftermarket phone chargers or inverters plugged into the outlet can backfeed voltage and trigger this code, so unplug all accessories before diagnosing.
- The power outlet control module C may share circuits with other body functions, so a fault in an unrelated module can sometimes set B012E.
- Clearing the code without repairing the underlying high-voltage condition may lead to repeated converter failures or blown fuses.

Can I keep driving with B012E?

You can usually drive the vehicle with this code, but avoid using the AC power outlet until the fault is repaired. If the outlet is used, a high-voltage condition could damage connected devices or cause a blown fuse, so keep it unused and have the circuit inspected soon.

Tools that help

- Digital multimeter
- OBD-II scan tool
- Trim removal tools
- Wiring diagram for the power outlet circuit
- Test light



Reading B012E

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

Often seen with

B012D DC/AC Converter A High Voltage Power Outlet Control Module " · **B012F** A/V Sensor Washer Fluid A Control Circuit · **B0130** Driver Seatbelt Tension Sensor Circuit · **P0563** System Voltage High · **U0131** Lost Communication With Power Steering Control Module

See it working

Watch the animated explainer [How a Car Clutch Works: Diaphragm Clutch Cutaway](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/b012e/>

