

GENERIC · BODY

B0127

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

## B0127

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

B0127 indicates that the body control module (BCM) has detected an open circuit or high voltage condition on the DC/AC converter's high-voltage power outlet 'A' circuit. The vehicle's computer sees a problem with the power supply to the high-voltage AC outlet, often caused by a break in the wiring or a faulty converter.

| SYSTEM | CODE TYPE           | SEVERITY | FIX DIFFICULTY | AREA                                              |
|--------|---------------------|----------|----------------|---------------------------------------------------|
| Body   | Generic (all makes) | Low      | Intermediate   | Airbags, seats, doors, lights and comfort systems |

## Symptoms you may notice

- The high-voltage power outlet (AC outlet) does not provide power to devices
- A warning light or message on the dashboard indicating an outlet fault
- The outlet may work intermittently or only when the vehicle is in certain states
- Often no symptoms besides the warning light, as the outlet may not be used regularly
- Other electrical accessories on the same circuit may also fail if the open circuit affects shared wiring

## Common causes, most likely first

- Open circuit in the wiring between the DC/AC converter and the outlet, such as a broken wire or loose connector
- Faulty DC/AC converter (inverter) internal failure causing an open circuit or high voltage
- Poor ground connection for the converter or outlet circuit
- Damaged outlet receptacle or internal contacts
- Corrosion or water intrusion in the outlet or connector
- BCM software glitch or internal fault misreporting the circuit condition

## How to diagnose and fix it

- Inspect the outlet and converter connectors for loose pins, corrosion, or damage; clean and reseat as needed
- Check the wiring harness for continuity between the converter and outlet using a multimeter, looking for opens or shorts
- Test the converter's output voltage and ground circuit; compare to manufacturer specifications
- Check for any related technical service bulletins (TSBs) or software updates for the BCM
- If wiring and connectors are good, test the converter with a known-good unit or follow diagnostic flow to confirm failure
- Replace the faulty converter or repair the open circuit as needed, then clear codes and verify operation



## Before you replace the DC/AC converter

- A common oversight is assuming the converter is bad when the real issue is a loose or corroded connector at the outlet, which is often easier and cheaper to fix.
- The code can set intermittently due to vibration or temperature changes affecting a marginal connection, so a wiggle test of the harness while monitoring live data can be revealing.
- Some vehicles require the high-voltage system to be enabled or the engine running for the outlet to work, so testing with the vehicle off may give false results.
- The BCM may set this code if the outlet is used with a device that draws too much current, causing a voltage drop that mimics an open circuit; always check for aftermarket accessories.
- Related codes in the B0xxx range may also be present if the fault affects shared power or ground circuits, so a full system scan is essential before parts replacement.

## Can I keep driving with B0127?

The vehicle remains safe to drive because the high-voltage outlet is an accessory and does not affect engine or safety systems. Avoid using the outlet until the fault is repaired, and do not attempt to bypass or modify the circuit.

## Tools that help

- OBD-II scan tool with body control module capability
- Digital multimeter
- Wiring diagram for the specific vehicle
- Trim removal tools for accessing connectors
- Test light or power probe

## Reading B0127

- 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.
- 27** The exact fault within that area.

## Often seen with

**B0128** Passenger Occupant Detection System Malfunction · **B0129** DC/AC Converter A High Voltage Power Outlet "C" Circuit/Open · **B0130** Driver Seatbelt Tension Sensor Circuit · **U3003** Battery Voltage



## See it working

Watch the animated explainer [How a Starter Motor Works: Pre-Engaged Starter](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/b0127/>

