

GENERIC · BODY

B0445

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

B0445

USB Hub Fault

This code indicates that the vehicle's body control module has detected a fault within the universal serial bus (USB) hub circuit, which is responsible for distributing data and power to the USB ports used for device charging and connectivity. The computer sets this code when it sees an unexpected voltage drop, an open circuit, or a communication failure on the hub's data lines.

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 USB ports fail to charge devices or provide power
- Connected devices are not recognized by the infotainment system
- Intermittent operation of USB audio or smartphone integration
- A warning message or icon appears on the infotainment screen
- Often no symptoms besides the warning light, with the hub still functioning normally

Common causes, most likely first

- 1 Faulty USB hub module or internal circuit board
- 2 Damaged or corroded USB port connector
- 3 Wiring harness damage such as a short to ground or power
- 4 Blown fuse or poor electrical connection to the hub
- 5 Software glitch in the body control module or infotainment system
- 6 Aftermarket device or cable causing a short on the USB circuit

How to diagnose and fix it

- 1 Inspect the USB ports for physical damage, debris, or corrosion and clean them if necessary
- 2 Check the fuse that supplies power to the USB hub and replace it if blown
- 3 Disconnect any aftermarket devices or cables and clear the code to see if it returns
- 4 Measure voltage and resistance on the hub's power and ground circuits to verify integrity
- 5 Perform a software update or reset on the infotainment system if available
- 6 Replace the USB hub module if all wiring and power checks pass
- 7 Clear the code and verify the repair by testing all USB functions



Before you replace the USB hub module

- A common oversight is a faulty aftermarket phone cable that shorts the data lines, which sets this code without any real hub failure.
- The USB hub often shares power with other accessories, so a blown fuse for a seemingly unrelated circuit can trigger this code.
- Corrosion inside the USB port from spilled drinks or high humidity is a frequent cause that visual inspection can miss without a flashlight.
- The body control module may set this code intermittently due to a low battery or charging system issue, so check battery voltage first.
- Replacing the hub without checking for a short to ground in the harness can lead to repeat failures and wasted expense.

Can I keep driving with B0445?

The vehicle remains safe to drive because the USB hub does not affect engine, steering, or braking systems. You can continue driving, but avoid using the faulty USB ports until the issue is diagnosed to prevent further electrical problems.

Tools that help

- Digital multimeter
- Fuse puller or test light
- Trim removal tool
- OBD-II scan tool
- Flashlight and inspection mirror

Reading B0445

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

Often seen with

U0140 Lost Communication With Instrument Panel Cluster · **U0184** Lost Communication With Radio · **U0422** Invalid Data Received From Body Control Module



See it working

Watch the animated explainer [Car Relay Test Bench: Test 4-Pin and 5-Pin Relays](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/b0445/>

