



B011D

Fluid Reservoir Level Sensor B

B011D indicates that the body control module (BCM) or dedicated fluid level control module has detected a fault in the circuit for Fluid Reservoir Level Sensor B, which is typically the second sensor in a multi-chamber or redundant reservoir system. The computer monitors the sensor's signal voltage and sets this code when the voltage falls outside the expected range for the current fluid level, or when the signal is intermittent or implausible.

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

Symptoms you may notice

- Illumination of the fluid level warning light or a message on the driver information center
- A chime or audible alert that repeats each time the vehicle is started
- Often no symptoms besides the warning light, especially if the reservoir still has adequate fluid
- Incorrect or fluctuating fluid level readings on the dashboard gauge, if equipped
- Related systems that rely on the same reservoir, such as washer fluid or coolant level warnings, may also display false alerts
- In some vehicles, a reduced-power or limp-home mode if the fluid is critical for system operation

Common causes, most likely first

- 1 Low fluid level in the reservoir, which can trigger the sensor to read out of range
- 2 A faulty fluid level sensor B, such as a stuck float or failed internal resistance
- 3 Damaged or corroded wiring or connector at the sensor or along the harness
- 4 A blown fuse or poor ground connection shared by the sensor circuit
- 5 Contamination or debris in the reservoir that obstructs the sensor float or sensing element
- 6 A failed body control module (BCM) or fluid level control module, though this is less common
- 7 Aftermarket accessories or improper previous repairs that tapped into the sensor wiring



How to diagnose and fix it

- 1 Check the fluid level in the reservoir and top up if low, then clear the code and verify if it returns
- 2 Inspect the sensor connector and wiring for corrosion, looseness, or damage, and repair as needed
- 3 Test the sensor's resistance or voltage output with a multimeter and compare to the manufacturer's specification
- 4 Check the fuse and ground connections for the sensor circuit and restore any faulty connections
- 5 Remove and clean the sensor and reservoir if contamination is suspected, then reinstall and retest
- 6 Replace the fluid reservoir level sensor B if it fails electrical or mechanical testing
- 7 If the sensor and wiring test good, diagnose the BCM or control module for internal faults and reprogram or replace as required

What most technicians overlook with B011D

- A low fluid level is the most common cause, yet many people replace the sensor before checking the reservoir, so always verify the level first.
The code can be set by a momentary glitch during a cold start when the fluid is thick, so clearing it and test-driving may reveal it was a one-time event.
- On some vehicles, sensor B is a redundant sensor in a two-chamber reservoir, and a failure may not affect normal operation until the primary sensor also fails.
- Corrosion inside the connector pins often mimics a failed sensor, so a thorough wiggle test and voltage drop check are essential before condemning parts.
Aftermarket electrical accessories or a recent windshield replacement that disturbed the cowl area can pinch or short the sensor wiring, setting this code.

Can I keep driving with B011D?

You can generally continue driving with this code because it typically affects only a warning indicator and does not impair the vehicle's operation. However, if the fluid level is actually low or the warning relates to a critical system such as brake fluid, address it immediately to avoid reduced safety or performance.

Tools that help

- OBD-II scan tool with body code capability
- Digital multimeter
- Test light
- Socket set and trim removal tools
- Manufacturer service information for sensor specifications



Reading B011D

- 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.
- 1D** The exact fault within that area.

Often seen with

B011C Fluid Reservoir Level Sensor A · **B011E** Fluid Reservoir Level Sensor C · **B011F** Fluid Reservoir Level Sensor D · **B0120** Passenger Pelvic/Thorax Airbag Deployment Control · **B0121** Fluid Reservoir Level Sensor F

See it working

Watch the animated explainer [How a CVT Works: Belt and Pulley Transmission](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/b011d/>

