

GENERIC · BODY

B0111

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

B0111

Camera Washer Actuator H

B0111 indicates that the body control module (BCM) has detected a fault in the circuit for the camera washer actuator H, which is the small pump or motor that sprays cleaning fluid onto the rearview camera lens. The computer monitors the actuator's electrical circuit and sets this code when the current or voltage falls outside the expected range during activation or self-test.

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 camera washer does not spray fluid when activated, leaving the lens dirty.
- The washer pump runs continuously or not at all when the camera cleaning function is selected.
- A warning light or message on the dashboard indicating a camera system fault.
- Often no symptoms besides the warning light, as the camera may still provide a slightly blurred image.
- The rearview camera image may be obstructed by dirt because the washer fails to clean it.
- In some vehicles, other camera-based features like lane departure warning may be disabled.

Common causes, most likely first

- 1 Failed camera washer actuator (pump motor) due to corrosion or mechanical wear.
- 2 Blown fuse or faulty relay supplying power to the actuator circuit.
- 3 Damaged or disconnected wiring harness or connector at the actuator.
- 4 Clogged washer nozzle or fluid line causing the actuator to overwork and trigger a fault.
- 5 Faulty body control module (BCM) or camera control module not sending the correct signal.
- 6 Low washer fluid level or frozen fluid preventing actuator operation and setting a code.
- 7 Water intrusion into the actuator connector causing a short or open circuit.



How to diagnose and fix it

- 1 Check the washer fluid level and ensure the fluid is not frozen or diluted; top up with appropriate washer fluid.
- 2 Inspect the fuse and relay for the camera washer circuit and replace if blown or faulty.
- 3 Visually inspect the actuator connector and wiring for corrosion, damage, or loose pins; clean and secure as needed.
- 4 Test the actuator with a multimeter or scan tool bidirectional control to confirm it operates; replace if defective.
- 5 Check for clogged nozzles or hoses by disconnecting and blowing through them; clear any blockages.
- 6 Clear the code with a scan tool and verify the repair by activating the camera washer and monitoring for code return.
- 7 If the code persists, perform a voltage drop test on the circuit and inspect the BCM for proper output signals.

Camera Washer Faults Often Misdiagnosed

- A clogged nozzle or pinched hose can cause the actuator to draw excessive current and set B0111 even though the pump itself is healthy.
The camera washer actuator is often part of the rear camera assembly and may require replacement of the entire unit if the motor is not serviceable separately.
- In cold climates, frozen washer fluid can stall the actuator and trigger this code; always use winter-grade fluid.
- A weak battery or low charging system voltage can cause intermittent B0111 codes because the BCM may not have enough power to operate the actuator.
- Some vehicles use a shared washer pump for both windshield and camera, and a fault in the shared pump can set B0111 along with other washer codes.

Can I keep driving with B0111?

The vehicle remains safe to drive because the camera washer is a convenience feature and does not affect primary vehicle operation. However, you should clean the camera lens manually if visibility is impaired and avoid relying on the washer until the fault is repaired.

Tools that help

- OBD-II scan tool with bidirectional control
- Multimeter
- Fuse puller
- Trim removal tool
- Socket set



Reading B0111

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

Often seen with

B0110 Driver Pelvic/Thorax Airbag Deployment Control · **B0112** Camera Washer Actuator J · **B0113** Camera Washer Actuator K · **U0140** Lost Communication With Instrument Panel Cluster

See it working

Watch the animated explainer [How a Boxer Engine Works: Flat Engine Cutaway](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/b0111/>

