

GENERIC · BODY

B0112

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

B0112

Camera Washer Actuator J

B0112 indicates that the body control module (BCM) or camera control module has detected a fault in the electrical circuit for the camera washer actuator J, which is typically the washer pump or nozzle assembly responsible for cleaning the rearview or surround-view camera lens. The module monitors the actuator's command and feedback circuits and sets this code when the expected current or voltage is outside the normal range during a washer activation request.

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 camera lens dirty and reducing visibility.
- The washer pump may run continuously or not at all, depending on whether the circuit is open or shorted.
- A warning light or message on the dashboard indicating a camera system fault or washer system malfunction.
- Often no symptoms besides the warning light, especially if the actuator is only intermittently failing.
- The camera view may become obstructed more quickly in wet or dirty conditions, prompting frequent manual cleaning.
- Other camera-related features such as lane departure or surround-view may be degraded if the lens remains dirty.

Common causes, most likely first

- 1 Failed camera washer actuator (pump or nozzle assembly) due to internal motor wear or clogging.
- 2 Damaged or corroded wiring harness or connector at the actuator, often from exposure to road debris and moisture.
- 3 Blown fuse or relay supplying power to the camera washer circuit.
- 4 Faulty body control module (BCM) or camera control module, though this is less common.
- 5 Blocked washer fluid line or nozzle, causing the actuator to overwork and trigger a circuit fault.
- 6 Poor ground connection for the actuator circuit, leading to erratic operation and code setting.



How to diagnose and fix it

- 1 Verify the code with a scan tool and check for any related codes in the BCM or camera module to confirm the fault is specific to actuator J.
- 2 Inspect the washer fluid level and ensure the fluid is not frozen or contaminated, as this can cause the actuator to stall and set a circuit code.
- 3 Check the fuse and relay for the camera washer circuit, replacing any blown fuse or faulty relay as needed.
- 4 Disconnect the actuator connector and inspect for corrosion, bent pins, or damaged wiring; repair or replace the harness as necessary.
- 5 Test the actuator directly by applying power and ground to its terminals to see if it operates; if not, replace the actuator.
- 6 Check the ground connection for the actuator circuit and clean or tighten as required.
- 7 Clear the code and test the system; if the code returns, further diagnose the BCM or camera module with a bidirectional scan tool.

Camera washer faults you might overlook

- A clogged washer nozzle or pinched fluid line can cause the actuator to draw excessive current, setting B0112 even though the actuator itself is healthy.
- The camera washer actuator is often confused with the windshield washer pump, but they are separate components on vehicles with dedicated camera cleaning systems.
- Intermittent B0112 codes can be caused by water intrusion into the connector, which may not be obvious until the connector is disconnected and inspected.
- Some vehicles require recalibration of the camera system after replacing the washer actuator, so consult the service information before assuming a plug-and-play repair.
- A weak battery or charging system fault can cause multiple body codes including B0112, so always verify battery voltage and ground integrity first.

Can I keep driving with B0112?

It is generally safe to continue driving with B0112 because the camera washer is a convenience feature and does not affect primary vehicle operation. However, be aware that a dirty camera lens may degrade advanced driver assistance systems, so clean the lens manually if needed and avoid relying on camera-based features in poor visibility until the fault is repaired.

Tools that help

- OBD-II scan tool with bidirectional control capability
- Digital multimeter
- Test light
- Wire terminal removal tools
- Service information for wiring diagrams and component locations



Reading B0112

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

Often seen with

B0111 Camera Washer Actuator H · **B0113** Camera Washer Actuator K · **B0114** Camera Washer Actuator L · **B0115** Camera Washer Actuator M · **B0116** Camera Washer Actuator N

See it working

Watch the animated explainer [How a Refrigerator Works: The Cooling Cycle](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/b0112/>

