

GENERIC · BODY

B011A

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

B011A

Camera Washer Actuator R

B011A indicates that the body control module (BCM) or a dedicated camera control module has detected a fault in the electrical circuit for the rear camera washer actuator, which is the small pump or motor that sprays cleaning fluid onto the rear-view camera lens. The computer monitors the actuator's command and feedback circuits and sets this code when the current or voltage falls outside the expected range during a self-test or 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 rear camera washer does not spray fluid when activated, leaving the lens dirty and the camera image obscured.
- The washer pump runs continuously or at unexpected times, even when not commanded.
- A warning light or message on the dashboard indicating a camera system fault.
- The rear camera view may be blurry or obstructed, but the camera itself still functions.
- Often no symptoms besides the warning light, especially if the driver rarely uses the rear camera washer.

Common causes, most likely first

- 1 Failed rear camera washer actuator motor or pump due to corrosion, debris, or mechanical wear.
- 2 Open or short circuit in the wiring harness between the BCM and the actuator, often caused by chafing or rodent damage.
- 3 Corroded or loose electrical connector at the actuator or at the BCM.
- 4 Blown fuse that supplies power to the washer actuator circuit.
- 5 Faulty BCM or camera control module, though this is less common.
- 6 Blocked washer nozzle or hose causing the actuator to overwork and trigger a circuit fault.
- 7 Water intrusion into the actuator or connector, leading to electrical shorts.



How to diagnose and fix it

- 1 Verify the code with a scan tool and check for any related body or camera codes that might indicate a shared circuit issue.
- 2 Inspect the washer actuator connector and wiring for corrosion, damage, or loose pins; clean or repair as needed.
- 3 Check the fuse that powers the washer actuator circuit and replace if blown.
- 4 Test the actuator directly by applying power and ground to confirm it operates; replace if it does not.
- 5 Measure resistance and voltage on the command and feedback circuits from the BCM to the actuator to rule out wiring faults.
- 6 If wiring and actuator are good, test the BCM output with a bidirectional scan tool or oscilloscope; replace the BCM if it fails to command the actuator.
- 7 Clear the code and perform a functional test of the washer system to confirm the repair.

Don't overlook the simple checks first

- A clogged washer nozzle or kinked hose can cause the actuator to draw excessive current and set this code, so always verify fluid flow before replacing electrical parts.
- The rear camera washer actuator is often integrated into the camera housing or mounted nearby, and water intrusion from a degraded seal is a frequent cause of failure that visual inspection may miss.
- This code can be set intermittently by a poor ground connection at the actuator or BCM, so wiggle-testing the harness while monitoring live data can reveal the fault.
- Some vehicles use a shared washer pump for both windshield and camera, and a fault in the pump or its control circuit may set B011A along with other washer-related codes.
- After replacing the actuator, some BCMs require a recalibration or initialization procedure to recognize the new component, so consult the service information for the specific vehicle.

Can I keep driving with B011A?

The vehicle remains safe to drive because the rear camera washer is a convenience feature and does not affect steering, braking, or powertrain operation. Avoid using the washer system until repaired to prevent further electrical damage, and clean the camera lens manually if visibility is needed.

Tools that help

- OBD-II scan tool with bidirectional control and live data capability
- Digital multimeter
- Test light
- Wire probe set
- Service information for wiring diagrams and component locations



Reading B011A

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

Often seen with

B0100 Restraints Control Module Internal Fault · **B0101** Front Crash Sensor Circuit Malfunction · **B0118** Camera Washer Actuator P · **B0119** Camera Washer Actuator Q · **B011B** Camera Washer Actuator S

See it working

Watch the animated explainer [How Hydraulic Brakes Work: Pedal to Caliper](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/b011a/>

