



B011B

Camera Washer Actuator S

B011B indicates that the body control module (BCM) has detected a fault in the electrical circuit for the camera washer actuator on the 'S' circuit, which typically powers the rear-view camera cleaning nozzle. The BCM monitors the actuator's current draw and expected position feedback, and it sets this code when the circuit is open, shorted, or the actuator fails to respond to commands.

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

Symptoms you may notice

- The camera washer does not spray fluid when activated, leaving the rear-view camera lens dirty.
- The washer fluid pump may run but no fluid reaches the camera, or the pump may not activate at all.
- A warning light or message on the dashboard indicating a camera system fault.
- The camera washer may operate intermittently or only in certain conditions.
- Often no symptoms besides the warning light, especially if the driver rarely uses the camera washer.
- Other camera-related features, such as the rear-view display, may be disabled or show a warning.

Common causes, most likely first

- 1 Failed camera washer actuator motor or solenoid.
- 2 Blown fuse or tripped circuit breaker protecting the actuator circuit.
- 3 Damaged wiring harness or connector at the actuator, often due to corrosion or physical damage.
- 4 Open or short circuit in the wiring between the BCM and the actuator.
- 5 Faulty BCM or a software glitch in the BCM requiring reprogramming.
- 6 Clogged washer nozzle or fluid line causing the actuator to overwork and trigger a fault.
- 7 Water intrusion into the actuator or connector, leading to electrical failure.



How to diagnose and fix it

- 1 Check the fuse and relay for the camera washer circuit; replace if blown.
- 2 Inspect the actuator connector and wiring for corrosion, damage, or loose pins; clean or repair as needed.
- 3 Test the actuator with a scan tool or by applying power directly to confirm operation; replace if faulty.
- 4 Measure resistance and voltage on the actuator circuit to check for open or short circuits.
- 5 Check the washer fluid level and inspect the nozzle and hose for clogs or kinks; clear if necessary.
- 6 Reprogram or update the BCM software if a known issue exists.
- 7 If all else fails, replace the BCM and perform programming.

Common misdiagnosis of camera washer faults

- A clogged washer nozzle can cause the actuator to draw excessive current and set this code, so always verify fluid flow before replacing the actuator.
- The BCM may set B011B if the actuator is disconnected during service, so clear the code and retest after any recent repairs.
- On some vehicles, the camera washer shares a circuit with the rear window washer, so a fault in that system can trigger B011B.
- A weak battery or charging system issue can cause the BCM to log spurious codes, including B011B, so check battery voltage first.
- The 'S' in the definition refers to a specific circuit or actuator variant; do not confuse it with other camera washer codes like B011A or B011C.

Can I keep driving with B011B?

The vehicle remains safe to drive because the camera washer is a convenience feature and does not affect braking, steering, or engine operation. Avoid relying on the rear-view camera when the lens is dirty, and clean it manually if needed until the fault is repaired.

Tools that help

- OBD-II scan tool with body control module capability
- Digital multimeter
- Test light
- Wire repair kit
- Fuse puller
- Service manual or wiring diagram



Reading B011B

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

Often seen with

B011A Camera Washer Actuator R · **B011C** Fluid Reservoir Level Sensor A · **B011D** Fluid Reservoir Level Sensor B · **B011E** Fluid Reservoir Level Sensor C · **B011F** Fluid Reservoir Level Sensor D

See it working

Watch the animated explainer [How an Automatic Transmission Works, Gear by Gear](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/b011b/>

