

GENERIC · BODY

B010F

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

B010F

Camera Washer Actuator F

B010F indicates that the body control module (BCM) has detected a fault in the circuit or operation of the camera washer actuator F, which is the small pump or motor that sprays cleaning fluid onto a rearview or surround-view camera lens. The computer monitors the actuator's electrical current and feedback signal, and it sets this code when the expected response is missing or out of range.

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 camera lens dirty.
- A warning light or message appears on the dashboard indicating a camera system fault.
- The washer pump may run continuously or not at all, depending on the failure mode.
- Often no symptoms besides the warning light, especially if the driver rarely uses the camera washer.
- The camera view may become obscured more quickly in wet or dirty conditions.
- Other camera-related functions, such as the backup camera or 360-degree view, may be disabled or degraded.

Common causes, most likely first

- Failed camera washer actuator (pump motor) due to wear or contamination.
- Blown fuse or faulty relay supplying power to the actuator circuit.
- Damaged or corroded wiring harness or connector at the actuator or BCM.
- Clogged washer nozzle or fluid line causing the actuator to overwork and trigger a fault.
- Low or frozen washer fluid, leading to pump cavitation or increased current draw.
- Internal fault in the body control module (BCM) or camera control module.
- Water intrusion into the actuator connector or motor, causing a short or open circuit.



How to diagnose and fix it

- 1 Check the washer fluid level and ensure the correct fluid is used for the climate; top up or thaw if necessary.
- 2 Inspect the fuse and relay for the camera washer circuit and replace any that are blown or faulty.
- 3 Visually inspect the actuator connector and wiring for corrosion, damage, or loose pins; clean and secure as needed.
- 4 Disconnect the actuator and test for power and ground at the connector while activating the washer; compare with manufacturer specifications.
- 5 Remove the washer nozzle and line and check for blockages; clear with compressed air or replace if restricted.
- 6 Test the actuator directly by applying power and ground; replace if it does not operate or draws excessive current.
- 7 If all external checks pass, diagnose the BCM or camera control module using a scan tool with bidirectional controls and follow service information for further testing.

Camera washer faults that mimic actuator failure

- A clogged nozzle or kinked fluid line often causes the actuator to draw high current and set this code, so always verify fluid flow before replacing the pump.
- The camera washer actuator is frequently shared with the rear window washer on some vehicles, so a fault in the rear washer circuit can trigger B010F even if the camera washer appears to work.
- In cold climates, frozen washer fluid can stall the pump and set this code; the actuator may test fine after thawing, so check fluid condition first.
- A weak battery or charging system issue can cause modules to log false actuator codes; verify battery voltage and connections before deep circuit testing.
- After replacing the actuator, some vehicles require a recalibration or learn procedure via a scan tool to clear the code and restore normal operation.

Can I keep driving with B010F?

The vehicle remains safe to drive because the camera washer is a convenience feature and does not affect steering, braking, or engine operation. Avoid relying on a dirty camera for parking or reversing, and clean the lens manually until the fault is repaired.

Tools that help

- Scan tool with bidirectional control capability
- Digital multimeter
- Test light
- Compressed air
- Basic hand tools (screwdrivers, socket set)
- Service information or wiring diagram



Reading B010F

- 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.
- 0F** The exact fault within that area.

Often seen with

B010E Camera Washer Actuator E · **B0110** Driver Pelvic/Thorax Airbag Deployment Control · **B0111** Camera Washer Actuator H · **B0112** Camera Washer Actuator J · **B0113** Camera Washer Actuator K

See it working

Watch the animated explainer [How a Supercharger Works: Roots Blower in X-Ray](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/b010f/>

