

GENERIC · BODY

B0113

OBD-II TROUBLE CODE

## B0113

### Camera Washer Actuator K

B0113 indicates that the body control module (BCM) or camera control module has detected a fault in the electrical circuit for the camera washer actuator on the 'K' circuit, which typically powers the washer pump that cleans the front or rear camera lens. The computer monitors the actuator's command and feedback signals and sets this code when the circuit is open, shorted to ground, or shorted to voltage, or when the actuator does not respond as expected.

| 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.
- The washer pump may run continuously or not at all, depending on the type of circuit fault.
- A warning light or message on the dashboard indicating a camera system fault.
- Often no symptoms besides the warning light, especially if the washer is rarely used.
- Other camera-related functions like lane departure warning or adaptive cruise control may be disabled.
- A blown fuse for the camera washer circuit may be noticed during inspection.

### Common causes, most likely first

- Failed camera washer actuator (pump motor) due to corrosion or wear.
- Open or damaged wiring in the actuator circuit, often at flex points or near the camera housing.
- Corroded or loose electrical connector at the actuator or control module.
- Blown fuse or relay supplying power to the washer actuator.
- Faulty body control module (BCM) or camera control module driver circuit.
- Short to ground or short to voltage in the wiring harness, possibly from chafing or moisture intrusion.



## How to diagnose and fix it

- 1 Verify the code with a scan tool and check for any related codes in the BCM and camera control module.
- 2 Inspect the camera washer actuator fuse and relay, and replace if blown or faulty.
- 3 Visually inspect the actuator connector and wiring for corrosion, damage, or loose pins; clean or repair as needed.
- 4 Disconnect the actuator and use a multimeter to check for power and ground signals at the connector when the washer is commanded on.
- 5 Test the actuator directly by applying 12 volts and ground to confirm it operates; replace if it does not.
- 6 If the actuator and wiring are good, check the control module output with a scan tool or oscilloscope; repair or replace the module if faulty.
- 7 Clear the code and verify the repair by activating the camera washer and confirming the code does not return.

## Camera washer faults you might overlook

- A dirty camera lens can cause the same symptoms as a failed washer, so always confirm the actuator is actually commanded on before replacing parts.
- The camera washer actuator is often integrated into the washer fluid reservoir or a separate pump, and a leak in the fluid system can mimic an electrical fault.
- On some vehicles, the camera washer shares a circuit with the windshield washer, so a fault in one can set codes for both systems.
- A weak battery or charging system issue can cause sporadic communication faults that set B0113 without a true actuator failure.
- After replacing the actuator, some vehicles require a recalibration or initialization of the camera system to clear the code permanently.

## Can I keep driving with B0113?

The vehicle remains safe to drive because the camera washer only affects lens cleaning, but be aware that camera-based safety features may be degraded if the lens is dirty. Avoid relying on camera systems in poor weather until the fault is repaired.

## Tools that help

- OBD-II scan tool with body control module capability
- Digital multimeter
- Test light
- Wire repair kit (splices, heat shrink, electrical tape)
- Fuse puller or needle-nose pliers



## Reading B0113

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

## Often seen with

**B0112** Camera Washer Actuator J · **B0114** Camera Washer Actuator L · **B0115** Camera Washer Actuator M · **B0116** Camera Washer Actuator N · **B0117** Camera Washer Actuator O

## See it working

Watch the animated explainer [Car Relay Test Bench: Test 4-Pin and 5-Pin Relays](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/b0113/>

