

GENERIC · CHASSIS

C0671

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

C0671

Electric Park Brake Actuator Right Circuit

C0671 indicates that the electric park brake (EPB) control module has detected an electrical fault in the right-side actuator circuit, which typically includes the motor, wiring, and connectors. The module monitors current and voltage on the circuit and sets this code when the expected electrical signature is not present during park brake apply or release commands.

SYSTEM

Chassis

CODE TYPE

Generic (all makes)

SEVERITY

Medium

FIX DIFFICULTY

Intermediate

AREA

Brakes, steering and suspension

Symptoms you may notice

- Park brake warning light illuminated on the dashboard
- Right rear parking brake may fail to apply or release, causing a dragging wheel or reduced holding power
- Audible warning chime or message on the driver information display
- The electric park brake may operate intermittently or not at all on the right side
- Often no symptoms besides the warning light, especially if the fault is intermittent
- Vehicle may roll slightly when parked on an incline if the right brake does not engage

Common causes, most likely first

- 1 Corroded or damaged electrical connector at the right rear EPB actuator
- 2 Open or shorted wire in the right actuator circuit (commonly due to chafing or rodent damage)
- 3 Faulty right EPB actuator motor (worn brushes, seized mechanism, or internal short)
- 4 Water intrusion into the actuator or connector causing corrosion
- 5 Failed EPB control module (less common, but possible if other circuits are also affected)
- 6 Blown fuse or relay supplying power to the EPB system (though usually affects both sides)



How to diagnose and fix it

- 1 Inspect the right rear EPB actuator connector for corrosion, water intrusion, or loose pins; clean or repair as needed
- 2 Check the wiring harness from the control module to the right actuator for continuity, shorts to ground, and shorts to power
- 3 Measure resistance across the right EPB actuator motor and compare to the left side or manufacturer specification
- 4 Command the EPB actuator using a scan tool and observe live data for current and position feedback to isolate mechanical vs electrical faults
- 5 If the actuator fails electrical tests, replace the right EPB actuator and perform calibration or initialization as required
- 6 If wiring and actuator test good, check powers and grounds at the EPB control module and consider module replacement after confirming all other circuits
- 7 Clear the code and verify repair by cycling the park brake multiple times and confirming no return of the fault

Common misdiagnosis traps for C0671

- A seized or binding right rear caliper mechanism can cause the EPB motor to draw excessive current, setting C0671 even though the motor itself is healthy; always check for mechanical binding before replacing the actuator.
- Intermittent faults often stem from a chafed wire inside the harness loom near the rear suspension, where movement flexes the conductors; a wiggle test while monitoring live data can reveal the break.
- Some vehicles require the EPB system to be placed in service mode before any brake work, and failing to do so can set this code and damage the actuator during pad replacement.
- The EPB control module may set C0671 if battery voltage is low during an apply or release command, so always verify a healthy battery and charging system before condemning parts.
- After replacing an actuator, many vehicles require a calibration or learn procedure via a scan tool; skipping this step can leave the code stored or cause poor park brake performance.

Can I keep driving with C0671?

If the warning light is on and the right park brake does not engage, avoid parking on steep inclines and use wheel chocks or leave the vehicle in gear as a backup. The vehicle is generally safe to drive to a repair shop, but do not rely on the electric park brake to hold the car until the fault is fixed.



Tools that help

- Scan tool with EPB bidirectional control and live data capability
- Digital multimeter
- Wire probe and terminal removal tools
- Socket set and torque wrench
- Service information for the specific vehicle

Reading C0671

C	Chassis: brakes, steering and suspension.
0	Generic (SAE) code: it means the same thing on every OBD-II vehicle.
6	Brakes, steering and suspension.
71	The exact fault within that area.

Often seen with

C0670 Electric Park Brake Actuator Left Circuit

See it working

Watch the animated explainer [How ABS Works: Anti-Lock Brakes in X-Ray](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/c0671/>

