

GENERIC · CHASSIS

C0310

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

C0310

Ride Height Sensor Rear Left

C0310 indicates the rear left ride height sensor circuit has a fault, meaning the suspension control module is not receiving a valid signal from the sensor that measures the distance between the rear left suspension and the road. The computer detects an open circuit, short to ground or power, or an out-of-range voltage from that sensor, and it sets this code to alert the driver that the system cannot accurately determine ride height.

SYSTEM	CODE TYPE	SEVERITY	FIX DIFFICULTY	AREA
Chassis	Generic (all makes)	Medium	Intermediate	Brakes, steering and suspension

Symptoms you may notice

- The suspension warning light or ride control indicator illuminates on the dashboard.
- The vehicle may sit lower or higher than normal at the rear left corner, or the entire rear may be uneven.
- The air suspension or adaptive damping system may stop adjusting, leaving a stiff or bouncy ride.
- A message such as 'Suspension Fault' or 'Ride Control Malfunction' may appear on the driver information display.
- Often no symptoms besides the warning light, especially if the fault is intermittent or only affects one sensor.
- The vehicle may default to a fixed ride height or firm damping mode, reducing comfort and handling.

Common causes, most likely first

- Damaged or corroded wiring harness at the rear left ride height sensor, often from road debris or moisture intrusion.
- Failed ride height sensor itself, due to internal wear, water ingress, or a broken linkage arm.
- Loose or corroded electrical connector at the sensor or at the suspension control module.
- Mechanical damage to the sensor linkage or mounting bracket from a curb strike or off-road impact.
- Faulty suspension control module, though this is less common and should be confirmed after other causes are ruled out.
- Voltage supply or ground issue affecting the sensor reference circuit, such as a chafed wire or bad ground point.



How to diagnose and fix it

- 1 Inspect the rear left ride height sensor and its linkage for physical damage, corrosion, or a disconnected arm.
- 2 Check the sensor connector and wiring for corrosion, loose pins, or chafed insulation, and repair as needed.
- 3 Measure the sensor's reference voltage and signal voltage with a digital multimeter, comparing to the manufacturer's specification.
- 4 Perform a wiggle test on the harness while watching live sensor data to catch intermittent faults.
- 5 If the sensor signal is missing or out of range, replace the ride height sensor and clear the code.
- 6 Check the suspension control module connectors and grounds for corrosion or loose connections.
- 7 After repair, clear the code and verify the ride height reading is stable and within range during a road test.

Before you replace the rear left sensor

- A common oversight is replacing the sensor when the real problem is a broken or corroded linkage arm that no longer moves the sensor through its full range.
- The code can be set by a simple blown fuse or low battery voltage that disrupts the sensor reference circuit, so always check power and ground first.
- Intermittent C0310 codes often appear only when driving over bumps or in wet weather, pointing to a chafed wire that touches ground intermittently.
- Some vehicles use the rear left ride height sensor for headlamp leveling as well as suspension control, so a fault can also cause misaimed headlights.
- After replacing a sensor, a calibration or relearn procedure may be required with a scan tool, otherwise the code can return even with good parts.

Can I keep driving with C0310?

You can usually drive the vehicle with C0310, but the suspension may default to a firm or fixed setting, reducing comfort and potentially affecting handling. Avoid aggressive driving and have the fault diagnosed soon, especially if the vehicle sits unevenly or the ride becomes harsh.

Tools that help

- OBD-II scan tool with live data capability
- Digital multimeter
- Jack and jack stands or a lift
- Wire repair kit with crimpers and heat shrink
- Manufacturer service information for voltage specifications



Reading C0310

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

Often seen with

C0312 Ride Height Sensor Rear Right

See it working

Watch the animated explainer [How Push-Button Start Works: Keyless Ignition](#) on Auto.Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/c0310/>

