

GENERIC · CHASSIS

C0308

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

C0308

Ride Height Sensor Front Right

C0308 indicates that the right front ride height sensor circuit has reported a voltage or signal outside the range the suspension control module expects. The module uses this sensor to determine the vehicle's ride height at that corner, and when the signal is implausible or missing, it stores this code and may disable automatic height adjustments.

SYSTEM

Chassis

CODE TYPE

Generic (all makes)

SEVERITY

Medium

FIX DIFFICULTY

Intermediate

AREA

Brakes, steering and suspension

Symptoms you may notice

- Suspension warning light or message displayed on the dashboard
- Often no symptoms besides the warning light, especially if the vehicle does not have adaptive damping
- Ride height stuck at one level or failing to adjust automatically
- Uneven vehicle stance, with one corner sitting noticeably higher or lower
- Harsh or bouncy ride quality if the system defaults to a firm setting
- Headlight leveling fault message on vehicles with auto-leveling headlamps

Common causes, most likely first

- 1 Faulty right front ride height sensor (internal wear or water intrusion)
- 2 Damaged or corroded sensor connector or pins at the sensor or module
- 3 Broken, chafed, or open wiring in the sensor circuit
- 4 Mechanical damage to the sensor linkage or bracket from road debris or curb strikes
- 5 Failed suspension control module (less common)
- 6 Voltage supply or ground fault affecting the sensor reference circuit

How to diagnose and fix it

- 1 Inspect the right front sensor, its linkage, and bracket for physical damage or disconnection
- 2 Check the sensor connector for corrosion, water intrusion, and tight pin fit
- 3 Measure sensor supply voltage and ground at the connector with the key on
- 4 Back-probe the signal wire and observe voltage while manually moving the suspension through its travel
- 5 Compare the right front sensor reading with the left front sensor on a scan tool to confirm plausibility
- 6 Repair or replace damaged wiring, terminals, or the sensor as indicated by test results
- 7 Clear the code and verify the suspension system operates correctly through a full height cycle



Ride height sensor faults that fool technicians

- A sensor that reads plausibly at static ride height can still fail when the suspension moves, so always sweep the sensor through its full travel during diagnosis.
- Water intrusion into the sensor body or connector is a common cause on vehicles that see road spray, and the corrosion often hides inside the boot.
- A bent linkage or bracket from a curb strike can make a good sensor report an impossible height, so inspect the mechanical mounting before condemning the electronics.
- The suspension module may substitute a default height when this code sets, masking the fault and making the vehicle seem to drive normally until the system is commanded to adjust.
- A weak battery or charging system fault can cause low voltage codes that mimic sensor failures, so check system voltage before replacing parts.

Can I keep driving with C0308?

The vehicle remains safe to drive in most cases because the suspension defaults to a fixed height, but avoid heavy loads and high-speed cornering until repaired. If the vehicle sits noticeably uneven or the ride becomes harsh, have it inspected promptly to prevent tire and suspension wear.

Tools that help

- OBD-II scan tool with live data and suspension module access
- Digital multimeter
- Jack and jack stands or a lift
- Wire probe set and terminal removal tools
- Service information for the specific vehicle's suspension circuit

Reading C0308

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

Often seen with

C0307 Inlet Valve Rear Right Performance · **C0309** Outlet Valve Rear Right Performance · **C0310** Ride Height Sensor Rear Left · **C0312** Ride Height Sensor Rear Right



See it working

Watch the animated explainer [How a Six-Speed Manual Gearbox Works](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/c0308/>

