

GENERIC · CHASSIS

C0822

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

C0822

Air Suspension Height Sensor Rear Left

C0822 indicates that the air suspension control module has detected a fault in the rear left height sensor circuit, which monitors the distance between the axle and the chassis. The module compares this signal with the other height sensors and sets the code when the voltage or signal is out of range, erratic, or implausible.

SYSTEM

Chassis

CODE TYPE

Generic (all makes)

SEVERITY

Medium

FIX DIFFICULTY

Intermediate

AREA

Brakes, steering and suspension

Symptoms you may notice

- Air suspension warning light illuminated on the dashboard
- Rear left corner of the vehicle may sit lower or higher than the other corners
- The air suspension may not adjust properly, resulting in a harsh or bouncy ride
- The compressor may run excessively or not at all
- Often no symptoms besides the warning light, especially if the fault is intermittent

Common causes, most likely first

- 1 Faulty rear left height sensor (internal wear or damage)
- 2 Damaged or corroded wiring and connectors at the sensor or control module
- 3 Broken or loose sensor linkage or mounting bracket
- 4 Water intrusion or contamination in the sensor connector
- 5 Failed air suspension control module (less common)
- 6 Mechanical binding or obstruction in the suspension linkage

How to diagnose and fix it

- 1 Perform a visual inspection of the rear left height sensor, its linkage, and wiring for obvious damage or corrosion
- 2 Check the sensor connector for tightness, corrosion, and water intrusion; clean or repair as needed
- 3 Measure the sensor's reference voltage and signal voltage with a multimeter and compare to specifications
- 4 Inspect the sensor linkage for proper attachment and movement; repair or replace broken parts
- 5 If the sensor signal is erratic or out of range, replace the rear left height sensor
- 6 Clear the code and test-drive the vehicle to verify the repair
- 7 If the code persists, check the control module and wiring for faults



Height Sensor Diagnostics: Beyond the Sensor

- A common misdiagnosis is replacing the height sensor when the actual problem is a corroded connector or chafed wire in the harness, so always perform a thorough circuit test before condemning the sensor.
- The code can be set by a mechanical issue such as a broken linkage or a sensor arm that has slipped out of position, which mimics an electrical failure.
- Intermittent faults often occur due to water intrusion into the sensor connector after driving through puddles or in wet conditions, so check for signs of moisture.
- The air suspension control module may set this code if the vehicle is loaded unevenly or if the suspension is manually adjusted to an extreme height, so verify the system is in the correct mode before diagnosing.
- Related codes such as C0820, C0821, or C0823 may also be present, indicating faults in other height sensors or the system as a whole, so always check all stored codes.

Can I keep driving with C0822?

You can generally drive the vehicle with this code, but the air suspension may not function correctly, leading to reduced ride comfort and potential handling issues. Avoid carrying heavy loads or driving at high speeds until the fault is repaired, and have the system inspected promptly to prevent further damage.

Tools that help

- OBD-II scan tool with air suspension capability
- Digital multimeter
- Jack and jack stands
- Basic hand tools (sockets, wrenches, screwdrivers)
- Wire repair kit (soldering iron, heat shrink, electrical tape)

Reading C0822

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

Often seen with

C0820 Air Suspension Height Sensor Front Left · **C0821** Air Suspension Height Sensor Front Right · **C0823** Air Suspension Height Sensor Rear Right · **C0825** Steering Effort Sensor Range/Performance



See it working

Watch the animated explainer [Master the Four-Stroke Engine Cycle](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/c0822/>

