



P1308 · Kia

Chassis Acceleration Sensor Signal Low

P1308 on a Kia means the Chassis Acceleration Sensor, which measures how much the vehicle body is pitching or bouncing, is sending a signal voltage that the control module considers too low. The computer compares this voltage against an expected range and flags the code when the signal stays below the low threshold for a calibrated amount of time.

SYSTEM	CODE TYPE	SEVERITY	FIX DIFFICULTY	AREA
Powertrain	Kia specific	Medium	Intermediate	Ignition system and misfire

Symptoms you may notice

- The yellow or red warning light on the dashboard illuminates and stays on while the engine runs.
- Often no symptoms besides the warning light, especially if the sensor fails only intermittently.
- Rough or harsh ride quality because the suspension control module cannot correctly interpret body movement.
- The vehicle may feel less stable during cornering or braking if the chassis control system defaults to a fixed damping strategy.
- A stored code in the anti-lock brake or electronic stability control module that may disable those systems as a precaution.
- Occasionally a message on the driver information display indicating a chassis or suspension fault.

Common causes, most likely first

- 1 A failed chassis acceleration sensor that no longer produces the correct voltage output.
- 2 Corroded, loose, or damaged wiring or connector pins at the sensor or at the control module.
- 3 A short to ground in the signal circuit between the sensor and the control module.
- 4 Water intrusion into the sensor connector or housing, common on vehicles driven in wet or salty conditions.
- 5 A faulty control module that misinterprets a correct sensor signal, though this is less common.
- 6 A poor chassis ground connection that raises the reference voltage and skews the sensor reading.
- 7 Physical damage to the sensor from road debris or improper jacking of the vehicle.



How to diagnose and fix it

- 1 Use a scan tool to read the live data from the chassis acceleration sensor and compare the voltage with the specification for your Kia model.
- 2 Visually inspect the sensor, its connector, and the wiring harness for corrosion, chafing, or loose pins, and repair any damage found.
- 3 Check the sensor's ground circuit with a multimeter to confirm resistance is within the manufacturer's limit.
- 4 Measure the signal voltage at the sensor connector with the key on and the sensor connected, then compare it with the expected value.
- 5 If the signal voltage is low at the sensor but the wiring and grounds are good, replace the chassis acceleration sensor and clear the code.
- 6 After repair, perform a road test and verify the live data reads correctly and the code does not return.
- 7 If the code persists with a known-good sensor and verified wiring, diagnose the control module and its power and ground feeds before condemning it.

Why a low signal is not always the sensor

- A chassis acceleration sensor that is physically loose or mounted at the wrong angle can produce a low signal even though the sensor itself is electrically healthy.
- Water or salt intrusion into the connector often mimics a failed sensor, so always inspect the pins before ordering a replacement part.
- The code can set intermittently on rough roads when a marginal ground connection momentarily drops the reference voltage.
- A weak battery or charging system that pulls system voltage down can cause the sensor signal to read low on some Kia models.
- Replacing the sensor without clearing the adaptive values in the control module may leave the warning light on until a relearn procedure is performed.

Can I keep driving with P1308?

You can usually drive the vehicle with this code, but the stability and suspension systems may be degraded, so avoid aggressive cornering, hard braking, and towing until the fault is repaired. If the warning light is accompanied by a noticeable change in handling, have the vehicle checked promptly.

Tools that help

- OBD-II scan tool with live data capability
- Digital multimeter
- Wire terminal pick and connector release tools
- Vehicle-specific service information for voltage specifications
- Jack and safety stands for access to the sensor location



Reading P1308

- P** Powertrain: engine, transmission and emissions.
- 1** Manufacturer-specific code (Kia): its meaning depends on the make.
- 3** Ignition system and misfire.
- 08** The exact fault within that area.

Often seen with

P1309 Misfire Detection Monitor · **P1307** Chassis Acceleration Sensor Signal Malfunction · **P1309** Chassis Acceleration Sensor Signal High · **P1307** Kickdown Relay Hold Circuit Fault · **P1309** Misfire Detection Monitor Not Enabled · **P0500** Vehicle Speed Sensor Malfunction · **U0121** Lost Communication With Anti-Lock Brake System (ABS) Control

See it working

Watch the animated explainer [How Variable Valve Timing Works: Cam Phaser and VVT Solenoid](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/kia-p1308/>

