

GENERIC · CHASSIS

C0635

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

C0635

Brake Pressure Sensor G Circuit/Open

C0635 indicates that the anti-lock brake system (ABS) control module has detected an open circuit or abnormal voltage in the wiring for the brake pressure sensor G, which is typically part of the electronic stability control (ESC) hydraulic unit. The module monitors the sensor's signal and sets this code when the circuit is broken, shorted, or the sensor's internal resistance is out of range, preventing reliable brake pressure data.

SYSTEM

Chassis

CODE TYPE

Generic (all makes)

SEVERITY

Medium

FIX DIFFICULTY

Intermediate

AREA

Brakes, steering and suspension

Symptoms you may notice

- ABS warning light illuminated on the dashboard
- Traction control or stability control (ESC) warning light also on
- Often no symptoms besides the warning light, with normal brake pedal feel
- Reduced or disabled ABS and stability control functions
- In some cases, a soft or inconsistent brake pedal if the sensor fault affects pressure modulation
- Cruise control may be disabled if it relies on stability control data

Common causes, most likely first

- 1 Open or damaged wire in the brake pressure sensor G circuit (broken, corroded, or chafed conductor)
- 2 Faulty brake pressure sensor G itself (internal open circuit or failure)
- 3 Corroded or loose electrical connector at the sensor or ABS control module
- 4 Failed ABS control module (internal circuit fault for the sensor input)
- 5 Poor ground connection for the ABS module or sensor return circuit
- 6 Aftermarket or incorrect brake components installed that interfere with sensor signal



How to diagnose and fix it

- 1 Use a scan tool to read ABS codes and verify C0635 is current, then check live data for brake pressure sensor G voltage with the key on and during brake application.
- 2 Visually inspect the sensor wiring and connector for damage, corrosion, or loose pins; repair or replace as needed.
- 3 Measure resistance and continuity of the sensor circuit from the sensor connector to the ABS module; compare to manufacturer specifications.
- 4 Check the sensor's internal resistance and output signal with a multimeter or oscilloscope; replace the sensor if it is open or out of range.
- 5 Verify the ABS module ground and power supply are clean and tight; clean grounds and retest.
- 6 If all external circuits and sensor test good, suspect the ABS control module; perform a module swap or reprogramming only after confirming power and ground integrity.
- 7 Clear codes and perform a road test to confirm the repair and ensure the ABS and stability control systems operate correctly.

Common misdiagnosis traps for C0635

- A loose or corroded connector at the brake pressure sensor is frequently the real culprit, yet many technicians replace the expensive ABS module first without checking terminal tension and corrosion.
- The brake pressure sensor G is often integrated into the hydraulic control unit on many vehicles, so a sensor fault may require replacing the entire unit rather than a standalone sensor.
- This code can be set by a low battery or charging system issue that causes a momentary voltage drop, so always verify battery health and charging voltage before condemning the sensor.
- Aftermarket brake pads or a recent brake job that disturbed the sensor wiring can trigger C0635, so review recent service history before assuming a component failure.
- Some vehicles require a relearn or calibration procedure after sensor or module replacement; skipping this step can cause the code to return even with good parts.

Can I keep driving with C0635?

The vehicle remains drivable with normal braking in most cases, but ABS and stability control are disabled, which increases stopping distance in emergencies and reduces control on slippery surfaces. Avoid hard braking or aggressive driving and have the fault diagnosed promptly, especially if the brake pedal feel changes.



Tools that help

- OBD-II scan tool with ABS capability
- Digital multimeter
- Oscilloscope (optional for signal analysis)
- Wire repair kit (splices, heat shrink, crimpers)
- Contact cleaner and dielectric grease
- Vehicle-specific service information for wiring diagrams and resistance specs

Reading C0635

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.
35	The exact fault within that area.

Often seen with

C0040 Left Rear Wheel Speed Sensor Circuit · **C0050** Right Rear Wheel Speed Sensor Circuit Malfunction · **C0636** Brake Pressure Sensor G Circuit High · **C0637** Brake Pressure Sensor G Circuit Low · **U0121** Lost Communication With Anti-Lock Brake System (ABS) Control

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/c0635/>

