

GENERIC · CHASSIS

C0636

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

C0636

Brake Pressure Sensor G Circuit High

C0636 indicates that the antilock braking system (ABS) control module has detected an abnormally high voltage on the circuit for the brake pressure sensor labeled G. This sensor reports hydraulic brake pressure to the ABS module, and a high signal usually means the circuit is open, shorted to voltage, or the sensor's internal resistance has shifted out of range.

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 warning light also on
- Often no symptoms besides the warning light
- Reduced or disabled ABS function during hard braking
- Brake pedal feels normal in most cases, but ABS may not activate
- In some vehicles, cruise control or hill-start assist may be disabled

Common causes, most likely first

- 1 Open or damaged wire in the brake pressure sensor G signal circuit
- 2 Corroded or loose electrical connector at the sensor or ABS module
- 3 Brake pressure sensor G internally failed, producing a high resistance
- 4 Short to voltage on the sensor signal wire
- 5 Faulty ABS control module input circuitry
- 6 Contaminated brake fluid or air in the hydraulic system affecting sensor readings
- 7 Poor ground connection for the sensor or ABS module



How to diagnose and fix it

- 1 Connect a scan tool and record the freeze-frame data and live brake pressure sensor voltage to confirm the high reading
- 2 Visually inspect the sensor connector and wiring for corrosion, chafing, or loose pins, and repair as needed
- 3 Measure resistance and voltage on the sensor signal circuit with a digital multimeter, comparing to manufacturer specifications
- 4 Check the sensor's ground circuit for excessive resistance and clean or repair the ground point
- 5 Perform a voltage drop test on the signal wire while wiggling the harness to reveal intermittent opens
- 6 If the circuit tests good, replace the brake pressure sensor G and clear the code
- 7 If the code persists after sensor replacement, diagnose the ABS module or reprogram/replace it as required

What a high brake pressure signal really means

- A high signal often comes from an open circuit rather than a failed sensor, so a simple resistance check at the sensor connector can save you from replacing a good part.
Some vehicles use the brake pressure sensor for cruise control and hill-start assist, so a fault can disable those features even when the brakes feel fine.
- Corrosion inside the connector pins is a frequent cause that a visual inspection alone may miss; a pin drag test and voltage drop test are more reliable.
- The ABS module may set this code intermittently if the sensor signal wire rubs against a metal bracket only during certain steering or suspension movements.
Replacing the ABS module without first verifying the sensor circuit is an expensive misdiagnosis, because the module rarely fails on this code alone.

Can I keep driving with C0636?

You can usually drive the vehicle normally because the base brakes remain functional, but the ABS and stability control systems may be disabled, so avoid hard braking or slippery conditions until the fault is repaired. Have the system diagnosed promptly to restore full safety features.

Tools that help

- OBD-II scan tool with ABS capability
- Digital multimeter
- Back probe pins or breakout box
- Wire repair kit with crimpers and heat shrink
- Vehicle-specific service information for circuit specs



Reading C0636

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

Often seen with

C0040 Left Rear Wheel Speed Sensor Circuit · **C0050** Right Rear Wheel Speed Sensor Circuit Malfunction · **C0110** ABS Pump Motor Circuit Malfunction · **C0635** Brake Pressure Sensor G Circuit/Open · **C0637** Brake Pressure Sensor G Circuit Low

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/c0636/>

