

GENERIC · CHASSIS

C0634

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

C0634

Brake Pressure Sensor A/B Correlation

C0634 means the antilock braking system (ABS) module has compared the signals from two brake pressure sensors, typically labeled A and B, and found they disagree beyond the allowed tolerance. The computer is not reporting a single failed sensor but a correlation fault, so it cannot trust either pressure reading for functions like electronic brake distribution or hill assist.

SYSTEM

Chassis

CODE TYPE

Generic (all makes)

SEVERITY

Medium

FIX DIFFICULTY

Professional

AREA

Brakes, steering and suspension

Symptoms you may notice

- The ABS warning light and often the traction control or stability control light illuminate on the dashboard.
- The brake pedal may feel firmer or softer than usual, or travel differently during hard stops.
- Electronic brake distribution and hill start assist may be disabled, changing how the vehicle holds on an incline.
- The stability control system may intervene unexpectedly or stop intervening altogether.
- Often no symptoms besides the warning light, with normal brake performance in everyday driving.
- A stored code may return immediately after clearing even when the brakes feel fine.

Common causes, most likely first

- 1 Low or aerated brake fluid causing one pressure sensor to read differently from the other.
- 2 A failing brake pressure sensor on circuit A or B, usually due to internal drift or contamination.
- 3 Corroded, chafed, or loose wiring and connectors at either pressure sensor.
- 4 Air trapped in the hydraulic modulator or a sensor port after recent brake service.
- 5 A sticking or leaking hydraulic modulator valve that skews pressure at one sensor.
- 6 A faulty ABS control module with an internal reference voltage error affecting one sensor channel.
- 7 Incorrect sensor installation or a mismatched replacement sensor with the wrong pressure range.



How to diagnose and fix it

- 1 Check brake fluid level and condition, then inspect for leaks and bleed the system if the fluid is dark or aerated.
- 2 Scan all modules for related ABS and chassis codes, and record freeze-frame data for C0634 before clearing anything.
- 3 Inspect the wiring harness and connectors at both brake pressure sensors for corrosion, pushed pins, or chafing.
- 4 Use a scan tool to read live pressure sensor A and B values while a helper applies steady pedal pressure, comparing the two readings.
- 5 Perform the manufacturer's brake pressure sensor calibration or rezero procedure if the sensors are within range but offset.
- 6 If one sensor reads erratically or not at all, test its reference voltage and signal circuit before condemning the sensor.
- 7 Replace the faulty sensor or hydraulic modulator only after electrical and hydraulic checks pass, then clear codes and verify with a road test.

Why correlation codes fool parts swappers

- A correlation code does not tell you which sensor is wrong, so replacing both sensors by guesswork often leaves the fault unchanged.
- Low brake fluid or air in the system can set C0634 without any sensor being defective, especially after a recent brake job.
- A weak battery or charging system fault can cause the ABS module to misread sensor voltages and store a correlation code.
- Aftermarket brake pressure sensors with the wrong pressure range are a common cause of repeat C0634 on vehicles that have been repaired elsewhere.
- The code can be stored intermittently by a harness rub that only opens the circuit during suspension movement or hard cornering.

Can I keep driving with C0634?

The vehicle usually brakes normally, but ABS, stability control, and hill assist may be unavailable, so keep speeds down and leave extra stopping distance. Avoid towing or driving in slippery conditions until the fault is diagnosed, and do not ignore a pedal that feels different from normal.



Tools that help

- OBD-II scan tool with ABS live data and freeze-frame capability
- Digital multimeter for sensor voltage and continuity checks
- Brake pressure gauge set for comparing hydraulic pressures
- Bleeder kit and fresh brake fluid for hydraulic service
- Vehicle-specific wiring diagram for the ABS pressure sensor circuits

Reading C0634

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.
34	The exact fault within that area.

Often seen with

C0630 Active Air Dam Stuck · **C0631** Front Axle Disconnect Actuator · **C0632** Front Axle Disconnect Control Circuit · **C0633** Front Half Shaft Speed Sensor · **C0635** Brake Pressure Sensor G Circuit/Open

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/c0634/>

