

GENERIC · CHASSIS

C0570

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

C0570

Brake Booster Travel Sensor Circuit High

The C0570 code indicates that the brake booster travel sensor circuit is reporting a voltage higher than the manufacturer's expected range. The anti-lock brake system (ABS) control module monitors this sensor to determine how far the brake pedal is being pushed and how much assist the booster is providing, and it sets the code when the signal wire shows an abnormally high voltage, often due to an open circuit or a short to power.

SYSTEM

Chassis

CODE TYPE

Generic (all makes)

SEVERITY

Medium

FIX DIFFICULTY

Intermediate

AREA

Brakes, steering and suspension

Symptoms you may notice

- The anti-lock brake system (ABS) warning light or brake system warning light illuminates on the dashboard.
- The brake pedal may feel unusually firm or require more effort to stop the vehicle.
- The brake assist feature may be disabled, leading to longer stopping distances in emergency situations.
- The cruise control system may become inoperative because it relies on brake pedal position data.
- Often no symptoms besides the warning light, especially if the fault is intermittent and the sensor signal is only occasionally out of range.

Common causes, most likely first

- 1 A damaged or disconnected brake booster travel sensor connector, such as a broken lock tab or corroded terminals.
- 2 An open circuit in the sensor's signal wire, often due to a broken wire in the harness near the brake pedal or booster.
- 3 A short to voltage on the sensor signal circuit, which can be caused by chafed wiring rubbing against a metal bracket.
- 4 A faulty brake booster travel sensor that internally shorts and sends a high voltage signal to the ABS module.
- 5 A poor ground connection for the sensor or the ABS module, leading to a reference voltage offset.
- 6 A malfunctioning ABS control module that incorrectly interprets the sensor signal, though this is less common.



How to diagnose and fix it

- 1 Inspect the brake booster travel sensor connector for loose pins, corrosion, or damage, and clean or repair as needed.
- 2 Check the sensor's wiring harness for open circuits or shorts to voltage using a digital multimeter (DMM) and the manufacturer's wiring diagram.
- 3 Measure the sensor's output voltage with a scan tool while slowly pressing the brake pedal to see if the signal changes smoothly and stays within specification.
- 4 Test the sensor's ground circuit for excessive resistance, and repair any bad ground connections.
- 5 If the sensor is faulty, replace it with a new unit and clear the code to see if it returns.
- 6 If the wiring and sensor are good, diagnose the ABS module for internal faults, which may require reprogramming or replacement.

Common misdiagnosis traps for C0570

- A loose or corroded connector at the brake booster travel sensor is frequently the root cause, yet many technicians replace the sensor without first checking the connector.
- The code can be set by a short to voltage in the signal wire where it rubs against the brake pedal assembly, so a thorough visual inspection of the harness routing is essential.
- A weak battery or charging system issue can cause the ABS module to set false high-voltage codes, so always verify battery voltage and ground integrity before condemning the sensor.
- The brake booster travel sensor is sometimes confused with the brake pedal position sensor, but they serve different functions and have different diagnostic procedures.
- After repairs, the ABS module may require a calibration or relearn procedure for the brake booster travel sensor, which is often overlooked and leads to a repeat code.

Can I keep driving with C0570?

The vehicle remains drivable in most cases, but the brake assist and ABS may be compromised, so avoid heavy braking or emergency maneuvers until the fault is repaired. Have the system diagnosed promptly to ensure full braking performance is restored.

Tools that help

- Digital multimeter (DMM)
- Scan tool with ABS capabilities
- Wiring diagram for the specific vehicle
- Basic hand tools for trim and connector removal
- Brake pedal depressor or assistant to operate the pedal



Reading C0570

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

Often seen with

C0571 Active Brake Assist Performance · **C0572** Brake Pressure Sensor C Circuit High · **C0573** Electric Park Brake Switch Circuit Malfunction · **C0574** Brake Pressure Sensor C Circuit Range/Performance · **C0575** Park Brake Actuator Position Signal Malfunction

See it working

Watch the animated explainer [Turbocharger Trainer: Boost, Wastegate and Intercooler](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/c0570/>

