



C058B

Brake Booster Motor B Position Sensor Circuit/Open

The C058B code indicates that the brake booster motor's position sensor circuit is open or has a fault, meaning the control module cannot detect the motor's position. The computer sets this code when the signal from the sensor is missing or out of range, which can affect brake assist performance.

SYSTEM Chassis	CODE TYPE Generic (all makes)	SEVERITY Medium	FIX DIFFICULTY Intermediate	AREA Brakes, steering and suspension
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Symptoms you may notice

- Illumination of the brake system warning light or ABS light on the dashboard
- Reduced brake assist, requiring more pedal effort to stop the vehicle
- A soft or spongy brake pedal feel
- Unusual noises from the brake booster area, such as clicking or whirring
- Often no symptoms besides the warning light, especially in early stages

Common causes, most likely first

- 1 Open or damaged wiring in the brake booster motor position sensor circuit
- 2 Failed brake booster motor position sensor
- 3 Corroded or loose electrical connectors at the sensor or control module
- 4 Faulty brake booster motor assembly
- 5 Water or debris intrusion into the sensor or connector
- 6 Internal failure in the brake control module affecting sensor readings

How to diagnose and fix it

- 1 Inspect the brake booster motor position sensor connector and wiring for damage, corrosion, or looseness
- 2 Check for continuity and resistance in the sensor circuit using a multimeter, comparing to manufacturer specifications
- 3 Test the position sensor signal with a scan tool to see if it changes smoothly through the motor's range
- 4 If the sensor is faulty, replace the brake booster motor position sensor or the entire motor assembly as required
- 5 Repair any open or shorted wires in the circuit, including cleaning or replacing connectors
- 6 Clear the code and perform a road test to verify the repair and ensure the code does not return



What Most Techs Overlook on C058B

- A common misdiagnosis is replacing the brake booster motor when the actual fault is a chafed wire in the harness near the pedal assembly or firewall.
- The position sensor may test fine with a multimeter but still drop out intermittently due to heat or vibration, so a wiggle test while monitoring live data is essential.
- This code can be set by a low battery or charging system issue that causes voltage spikes, so always check battery health and grounds before condemning components.
- On some vehicles, the brake booster motor position sensor is not sold separately, forcing replacement of the entire booster assembly, which is a costly mistake if the real issue is wiring.
- The code may appear after brake system work if the sensor connector is not fully seated or the battery was disconnected during repairs, so verify recent service history.

Can I keep driving with C058B?

If the brake pedal feels normal and the warning light is the only symptom, you can drive cautiously to a repair shop, but avoid heavy braking or towing. If brake assist is noticeably reduced or the pedal is soft, stop driving and have the vehicle towed to prevent an accident.

Tools that help

- OBD-II scan tool with live data capability
- Digital multimeter
- Wire repair kit with crimpers and heat shrink
- Trim removal tools for accessing connectors
- Manufacturer service information for wiring diagrams and specifications

Reading C058B

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.
8B	The exact fault within that area.

Often seen with

C0040 Left Rear Wheel Speed Sensor Circuit · **C0110** ABS Pump Motor Circuit Malfunction · **C058A** Brake Booster Motor A Position Sensor Circuit Range/Performa · **C058C** Brake Booster Motor B Position Sensor Circuit Low · **C058D** Brake Booster Motor B Position Sensor Circuit High



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/c058b/>

