

GENERIC · CHASSIS

C059C

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

C059C

Brake Pressure Sensor C Missing Calibration

The C059C code indicates that the anti-lock braking system (ABS) control module has detected a missing calibration for the brake pressure sensor designated as 'C'. This means the sensor's zero-point or offset has not been learned by the module, so the module cannot trust the pressure readings it receives from that sensor.

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

Symptoms you may notice

- Illumination of the ABS warning light on the dashboard
- Illumination of the traction control or stability control warning light
- Often no symptoms besides the warning light
- Reduced or disabled ABS function during hard braking
- Reduced or disabled traction control and stability control functions
- A stored diagnostic trouble code in the ABS module that cannot be cleared without calibration

Common causes, most likely first

- 1 Brake pressure sensor C is faulty or has drifted out of specification
- 2 The ABS control module has lost its calibration memory due to a power interruption or internal fault
- 3 A wiring fault (open, short, or high resistance) in the circuit between sensor C and the ABS module
- 4 The sensor has been replaced but the required calibration procedure was not performed
- 5 Low brake fluid level or air in the hydraulic system affecting pressure readings
- 6 A malfunctioning ABS pump or hydraulic unit that prevents proper pressure calibration
- 7 Corrosion or poor connection at the sensor or module connector



How to diagnose and fix it

- 1 Verify the code with a scan tool that can read ABS module data and check for other stored codes
- 2 Inspect the brake pressure sensor C connector and wiring for damage, corrosion, or loose pins
- 3 Check brake fluid level and bleed the brake system if air is suspected
- 4 Use the scan tool to perform the manufacturer's calibration or re-learn procedure for the brake pressure sensor
- 5 If calibration fails, test the sensor's voltage or resistance output according to the service manual
- 6 Replace the brake pressure sensor C if it is out of specification, then perform calibration
- 7 If the sensor and wiring are good but calibration still fails, diagnose or replace the ABS control module

Calibration is not the same as replacement

- Many technicians replace the brake pressure sensor C and still set this code because they skip the required calibration procedure that teaches the ABS module the sensor's zero point.
- A weak or failing battery or a recent jump-start can interrupt the ABS module's memory and cause a missing calibration code without any physical sensor fault.
- This code can be set by a sensor that is mechanically fine but has a contaminated connector, so always inspect the terminals before condemning the sensor.
- Some vehicles require the calibration to be performed with the brake pedal in a specific position and the vehicle on a level surface, and ignoring these conditions will cause the procedure to fail.
- A missing calibration for one pressure sensor can disable the entire ABS and stability control system, so the warning light may appear alongside multiple other chassis codes.

Can I keep driving with C059C?

You can usually drive the vehicle, but the ABS and stability control systems may be disabled, so avoid hard braking or slippery conditions and have the fault repaired promptly.

Tools that help

- OBD-II scan tool with ABS and calibration capabilities
- Digital multimeter
- Brake fluid tester
- Socket and wrench set
- Vehicle service manual or online diagnostic resource



Reading C059C

- 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.
- 9C** The exact fault within that area.

Often seen with

C0040 Left Rear Wheel Speed Sensor Circuit · **C0051** Front Left ABS Solenoid 1 Circuit Malfunction · **C059B** Brake Pressure Sensor B Missing Calibration · **C059D** Brake Pressure Sensor D Missing Calibration · **C059E** Brake Pressure Sensor E Missing Calibration

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/c059c/>

