

GENERIC · CHASSIS

C063A

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

C063A

Brake Pressure Sensor H Circuit High

C063A indicates that the brake pressure sensor H circuit has been detected by the control module as having a voltage or signal that is higher than the expected range for the current operating conditions. The computer compares the sensor's output to a calculated model and sets this code when the signal stays above the high threshold for a calibrated time.

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

Symptoms you may notice

- Illumination of the brake system warning light, ABS (Anti-lock Braking System) light, or traction control light on the dashboard.
- Often no symptoms besides the warning light, with normal brake pedal feel and braking performance.
- Reduced or disabled ABS and traction control functions, which may only be noticeable during hard braking or slippery conditions.
- A soft or firm brake pedal that does not match the driver's expectation, though this is less common.
- Electronic stability control may be deactivated, and some vehicles may limit engine power or set related codes.
- In rare cases, a stored code may cause the brake system to enter a fail-safe mode with reduced assist.

Common causes, most likely first

- A faulty brake pressure sensor H that is internally shorted or has failed, sending a high voltage signal.
- Damaged or chafed wiring in the sensor circuit, causing a short to voltage or a high-resistance connection.
- Corroded or loose electrical connectors at the sensor or the control module, leading to intermittent high signal.
- A malfunctioning control module that incorrectly interprets the sensor signal or has an internal fault.
- Low brake fluid level or air in the hydraulic system, which can cause the sensor to read outside normal parameters.
- A restricted or kinked brake line that affects pressure readings at the sensor location.
- Electrical interference from aftermarket accessories or poor grounds that corrupt the sensor signal.



How to diagnose and fix it

- 1 Verify the code with a scan tool and check for any related codes in the ABS, traction control, and engine modules.
- 2 Inspect the brake fluid level and condition, and check for leaks or air in the hydraulic system.
- 3 Visually inspect the brake pressure sensor H and its wiring harness for damage, corrosion, or loose connections.
- 4 Use a digital multimeter to measure the sensor's reference voltage, signal voltage, and ground at the connector, comparing to manufacturer specifications.
- 5 Perform a wiggle test on the wiring and connectors while monitoring the sensor signal on a scan tool to detect intermittent faults.
- 6 If the sensor signal is out of range with good wiring, replace the brake pressure sensor H and clear the code.
- 7 If the sensor and wiring test good, diagnose the control module for internal faults or software issues, and reprogram or replace as needed.

Hidden Causes of Brake Pressure Sensor H Codes

- A high signal code is often set by a short to voltage in the wiring rather than a failed sensor, so always check for chafed wires near hot or moving components before replacing parts.
- Low brake fluid or a recent brake job that introduced air into the system can cause the sensor to read high, so bleeding the brakes may resolve the code without any parts replacement.
- Some vehicles use the brake pressure sensor for cruise control and hill-start assist, so a fault can disable those features even if base braking feels normal.
- Aftermarket electrical accessories tapped into the brake light circuit can back-feed voltage and set this code, so inspect for non-factory wiring.
- The code may be stored as historical after a temporary condition like a low battery or jump start, so clear it and verify if it returns before extensive diagnosis.

Can I keep driving with C063A?

The vehicle is generally safe to drive with this code because base braking remains functional, but avoid hard braking or slippery conditions since ABS and traction control may be disabled. Have the system diagnosed soon to restore full safety features and prevent the fault from worsening.

Tools that help

- OBD-II scan tool with ABS and brake system capability
- Digital multimeter
- Brake pressure gauge
- Wiring diagram and service information
- Socket set and trim removal tools



Reading C063A

- 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.
- 3A** The exact fault within that area.

Often seen with

C063B Brake Pressure Sensor H Circuit Low · **C063C** Brake Pressure Sensor H Range/Performance · **C063D** Brake Pressure Sensor J Circuit/Open · **C063E** Brake Pressure Sensor J Circuit High · **C063F** Brake Pressure Sensor J 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/c063a/>

