

GENERIC · CHASSIS

C063F

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

C063F

Brake Pressure Sensor J Circuit Low

C063F indicates that the antilock brake system (ABS) control module has detected a low voltage condition on the electrical circuit for the brake pressure sensor labeled J. The sensor itself may be faulty, but the code specifically points to a circuit problem such as a short to ground, high resistance, or poor connection that prevents the module from receiving a valid signal.

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

Symptoms you may notice

- ABS warning light illuminated on the dashboard
- Traction control or stability control warning light may also be on
- Often no symptoms besides the warning light
- Reduced or disabled ABS function during hard braking
- Possible intermittent warning light operation over bumps or when turning
- Brake pedal may feel slightly different if the sensor signal is used for brake assist

Common causes, most likely first

- 1 Damaged or chafed wiring harness between the brake pressure sensor and ABS module
- 2 Corroded or loose electrical connector at the brake pressure sensor
- 3 Faulty brake pressure sensor J (internal short or open circuit)
- 4 Poor ground connection for the sensor or ABS module
- 5 Failed ABS control module (internal circuit fault)
- 6 Contamination or debris in the brake fluid affecting sensor readings (less common)



How to diagnose and fix it

- 1 Inspect the brake pressure sensor connector and wiring for obvious damage, corrosion, or looseness; clean and secure as needed.
- 2 Check the sensor's reference voltage and ground at the connector with a multimeter; compare to manufacturer specifications.
- 3 Perform a voltage drop test on the ground circuit to rule out high resistance.
- 4 If wiring and connections are good, test the sensor's resistance or output signal according to the service manual; replace if out of specification.
- 5 Clear the code and test-drive the vehicle to see if it returns; if it does, proceed to module diagnostics.
- 6 Check for technical service bulletins (TSBs) or software updates for the ABS module that may address false settings.
- 7 If all else fails, substitute a known-good ABS module or sensor to isolate the fault, following proper diagnostic procedures.

What most technicians overlook on C063F

- A low voltage code on a sensor circuit is often caused by a poor ground rather than a failed sensor, so always check ground integrity before replacing parts.
- The brake pressure sensor may share its ground or reference voltage with other sensors; a fault in a shared circuit can set multiple codes, so look for companion codes.
- Intermittent wiring faults can be temperature or vibration sensitive, so wiggle-test the harness while monitoring live data to catch the problem.
- After any repair, the ABS module may require a calibration or relearn procedure; skipping this step can leave the warning light on even with a fixed circuit.
- This code does not always mean the sensor is bad; a low voltage can be set by a weak battery or charging system issue that affects the entire electrical system.

Can I keep driving with C063F?

The vehicle remains safe to drive under normal conditions because the base brakes still function, but avoid hard braking or emergency maneuvers since ABS may be disabled. Have the fault diagnosed promptly to restore full safety system operation.

Tools that help

- OBD-II scan tool with ABS capability
- Digital multimeter
- Wiring diagram for the specific vehicle
- Socket set and trim removal tools
- Brake pressure gauge (optional for sensor testing)



Reading C063F

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

Often seen with

C0040 Left Rear Wheel Speed Sensor Circuit · **C0050** Right Rear Wheel Speed Sensor Circuit Malfunction · **C063E** Brake Pressure Sensor J Circuit High · **C0640** Brake Pressure Sensor J Range/Performance · **U0121** Lost Communication With Anti-Lock Brake System (ABS) Control

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/c063f/>

