

GENERIC · POWERTRAIN

P093B

OBD-II TROUBLE CODE

P093B

Hydraulic Accumulator Solenoid Circuit Low

P093B indicates that the powertrain control module has detected a low-voltage condition on the electrical circuit that operates the hydraulic accumulator solenoid, which is used to maintain pressure in hydraulic systems such as active suspension or stability control. The computer monitors the solenoid's control circuit and sets this code when the signal falls below the expected threshold, typically indicating a short to ground, an open circuit, or a faulty solenoid.

SYSTEM

Powertrain

CODE TYPE

Generic (all makes)

SEVERITY

Medium

FIX DIFFICULTY

Intermediate

AREA

Transmission

Symptoms you may notice

- Illumination of the check engine light or service vehicle soon message
- Often no symptoms besides the warning light, especially if the hydraulic system still functions normally
- Reduced performance of hydraulic systems, such as a stiffer or less responsive suspension
- Intermittent operation of stability or traction control features
- A noticeable decrease in ride comfort or handling if the accumulator cannot maintain pressure

Common causes, most likely first

- 1 Faulty hydraulic accumulator solenoid with an internal short or open winding
- 2 Damaged or corroded wiring harness or connector at the solenoid
- 3 Poor ground connection for the solenoid circuit
- 4 Failed control module driver for the solenoid circuit
- 5 Blown fuse or relay supplying power to the solenoid
- 6 Contamination or debris in the hydraulic fluid causing solenoid malfunction



How to diagnose and fix it

- 1 Inspect the solenoid connector and wiring for damage, corrosion, or loose pins
- 2 Check the fuse and relay that supply power to the hydraulic accumulator solenoid circuit
- 3 Measure resistance across the solenoid terminals and compare to the manufacturer's specification
- 4 Test the control circuit for a short to ground or open using a multimeter and wiring diagram
- 5 Verify power and ground signals at the solenoid with a test light or multimeter while commanding the solenoid on
- 6 Replace the hydraulic accumulator solenoid if it fails electrical tests
- 7 Clear the code and perform a road test to confirm the repair

When the solenoid tests good but the code returns

- A low circuit code can be set by a poor ground connection at the chassis or engine block, which is often overlooked during diagnosis.
- The solenoid may test within resistance specifications when cold but fail when hot, so a heat soak test is sometimes necessary.
- Hydraulic fluid contamination or low fluid level can cause the solenoid to draw excessive current and set a low voltage code without a direct electrical fault.
- The control module itself can have a failed driver that intermittently shorts to ground, mimicking a faulty solenoid.
- Always check for technical service bulletins specific to the vehicle, as some models have known harness routing issues that cause this code.

Can I keep driving with P093B?

If the vehicle drives normally and the only symptom is the warning light, you can drive cautiously to a repair shop, but avoid aggressive driving or heavy loads. If the hydraulic system performance is noticeably degraded, such as reduced braking assist or suspension stability, stop driving and have the vehicle towed to prevent unsafe handling.

Tools that help

- OBD-II scanner
- Digital multimeter
- Test light
- Wiring diagram for the specific vehicle
- Socket set and screwdrivers for accessing the solenoid



Reading P093B

P	Powertrain: engine, transmission and emissions.
0	Generic (SAE) code: it means the same thing on every OBD-II vehicle.
9	Transmission.
3B	The exact fault within that area.

Often seen with

P093A Hydraulic Accumulator Solenoid Circuit/Open · **P093C** Hydraulic Accumulator Solenoid Circuit High · **P093D** Hydraulic Accumulator Solenoid Performance

See it working

Watch the animated explainer [How Airbags Work: A 50 km/h Crash in Slow Motion](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/p093b/>

