

GENERIC · POWERTRAIN

P0775

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

P0775

Pressure Control Solenoid 'B'

P0775 indicates that the transmission control module (TCM) has detected an electrical fault in the circuit for pressure control solenoid 'B', which is used to regulate hydraulic line pressure inside the automatic transmission. The computer monitors the solenoid's commanded current versus the actual current or circuit continuity, and it sets this code when the values fall outside the expected range.

SYSTEM

Powertrain

CODE TYPE

Generic (all makes)

SEVERITY

Medium

FIX DIFFICULTY

Professional

AREA

Transmission

Symptoms you may notice

- Illumination of the check engine light or transmission warning light, often with no other noticeable symptoms
- Harsh or delayed gear shifts, especially when engaging drive or reverse
- Transmission may enter limp mode, limiting vehicle speed and gear selection
- Slipping or flaring during acceleration as line pressure fails to adjust correctly
- Erratic shift timing or shuddering during gear changes

Common causes, most likely first

- 1 Faulty pressure control solenoid 'B' itself, such as an open or shorted internal coil
- 2 Damaged or corroded wiring harness or connector at the solenoid or transmission case
- 3 Transmission fluid contamination or degradation causing solenoid sticking or poor electrical contact
- 4 Low or incorrect transmission fluid level affecting hydraulic pressure and solenoid performance
- 5 Failed transmission control module (TCM) or internal valve body electrical fault
- 6 Poor ground connection for the solenoid circuit

How to diagnose and fix it

- 1 Check transmission fluid level and condition; top off or replace fluid if contaminated or low
- 2 Inspect the solenoid 'B' electrical connector and wiring for corrosion, chafing, or loose pins
- 3 Measure the resistance of solenoid 'B' with a multimeter and compare to manufacturer specification
- 4 Test the solenoid circuit for short to ground or open circuit using a wiring diagram
- 5 If resistance is out of spec, replace pressure control solenoid 'B' and clear the code
- 6 If the solenoid and wiring test good, diagnose the TCM and valve body for internal faults
- 7 After repair, clear codes and perform a relearn or adaptation drive cycle as required



What P0775 Often Misses

- A contaminated or degraded transmission fluid can cause solenoid 'B' to stick or perform poorly without any electrical fault, so fluid condition is a critical first check.
- The code can be set by a poor ground connection or a damaged connector pin that only acts up under vibration or temperature changes, so wiggle tests are valuable.
- Some vehicles use solenoid 'B' for multiple functions, and a failure may only show up under specific driving conditions, making intermittent diagnosis common.
- Replacing the solenoid without addressing contaminated fluid or a damaged harness often leads to a repeat failure, so root-cause electrical and hydraulic checks are essential.
- A failing TCM can mimic a solenoid fault by misreporting current or not commanding the solenoid correctly, so module diagnostics should follow solenoid testing.

Can I keep driving with P0775?

If the vehicle drives normally with only the warning light on, you can drive cautiously to a repair shop, but avoid heavy acceleration or towing. If the transmission is in limp mode, slipping, or shifting harshly, stop driving and have it towed to prevent further damage.

Tools that help

- OBD-II scan tool with transmission code capability
- Digital multimeter
- Transmission fluid level dipstick or scan tool for fluid temperature
- Wiring diagram and service information
- Socket set and torque wrench for solenoid replacement

Reading P0775

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

Often seen with

P0715 Input/Turbine Speed Sensor Circuit Malfunction · **P0740** Torque Converter Clutch Circuit Malfunction · **P0776** Pressure Control Solenoid 'B' Performance or Stuck off · **P0777** Pressure Control Solenoid 'B' Stuck On · **P0778** Pressure Control Solenoid 'B' Electrical



See it working

Watch the animated explainer [Fuel Trims Explained: Short-Term and Long-Term](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/p0775/>

