



P0755

Shift Solenoid 'B'

P0755 indicates that the transmission control module has detected an electrical fault in the circuit for shift solenoid 'B', which is one of the solenoids that controls hydraulic pressure to shift gears. The computer monitors the solenoid's electrical current and sets this code when the current is outside the expected range, either too high (short to ground) or too low (open circuit or short to power).

SYSTEM	CODE TYPE	SEVERITY	FIX DIFFICULTY	AREA
Powertrain	Generic (all makes)	Medium	Intermediate	Transmission

Symptoms you may notice

- The check engine light or transmission warning light is illuminated.
- The transmission may shift harshly or flare between gears, especially when changing from second to third or third to fourth.
- The transmission may stick in a single gear or enter limp mode, limiting vehicle speed.
- Delayed or erratic engagement when shifting from park to drive or reverse.
- Often no symptoms besides the warning light, especially if the fault is intermittent.

Common causes, most likely first

- 1 Faulty shift solenoid 'B' itself, such as a burned coil or stuck plunger.
- 2 Damaged or corroded wiring in the solenoid circuit, including chafed insulation or broken wires.
- 3 Loose or corroded electrical connector at the solenoid or transmission case pass-through.
- 4 Transmission fluid contamination or low fluid level causing solenoid malfunction.
- 5 Failed transmission control module (TCM) or internal driver circuit, though this is less common.
- 6 Valve body issues that mechanically bind the solenoid, leading to electrical feedback.

How to diagnose and fix it

- 1 Check transmission fluid level and condition; top off or replace fluid if contaminated.
- 2 Inspect the solenoid 'B' electrical connector and wiring for damage, corrosion, or looseness; clean and repair as needed.
- 3 Measure the resistance of solenoid 'B' with a multimeter and compare to the manufacturer's specification; replace if out of range.
- 4 Test the solenoid circuit for shorts to ground or power using a multimeter and wiring diagram.
- 5 If the solenoid is internal, remove the transmission pan and test the solenoid directly; replace if faulty.
- 6 Clear the code and test-drive the vehicle to verify the repair; if the code returns, perform advanced diagnostics with a scan tool to monitor solenoid operation.



Before you replace the shift solenoid

- A loose or corroded connector at the transmission case pass-through is a frequent cause of P0755 that is often overlooked during diagnosis.
- Low or dirty transmission fluid can cause solenoid 'B' to stick or draw excessive current, setting the code without a failed solenoid.
- The code can be set by a shorted wiring harness where it rubs against a sharp edge, so always inspect the entire circuit, not just the solenoid.
- On some vehicles, a faulty ignition switch or poor ground can mimic a solenoid circuit fault, so check powers and grounds before condemning the solenoid.
- Replacing the solenoid without addressing contaminated fluid or a damaged valve body often leads to a repeat failure.

Can I keep driving with P0755?

You can usually drive the vehicle with P0755 set, but the transmission may shift harshly or enter limp mode, so avoid aggressive acceleration and highway speeds. Have the fault diagnosed soon to prevent further transmission damage.

Tools that help

- OBD-II scan tool
- Digital multimeter
- Transmission fluid level dipstick or scan tool for fluid level
- Socket set and wrenches for pan removal
- Wiring diagram for the solenoid circuit

Reading P0755

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

Often seen with

P0700 Transmission Control System Malfunction · **P0750** Shift Solenoid 'A' · **P0753** Shift Solenoid 'A' Electrical · **P0758** Shift Solenoid 'B' Electrical · **P0760** Shift Solenoid 'C'



See it working

Watch the animated explainer [How an Automatic Transmission Works, Gear by Gear](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/p0755/>

