

GENERIC · POWERTRAIN

P075D

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

P075D

Shift Solenoid G Electrical

P075D is a generic powertrain code that indicates the transmission control module (TCM) has detected an electrical fault in the circuit for shift solenoid G, which is one of the solenoids that controls hydraulic pressure for gear shifting. The computer monitors the solenoid's electrical circuit and sets this code when the voltage or current falls outside the expected range, pointing to a problem with the solenoid itself, its wiring, or the TCM.

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

Symptoms you may notice

- Illumination of the check engine light or transmission warning light
- Harsh or delayed gear shifts, or the transmission may fail to shift into certain gears
- The transmission may enter limp mode, limiting vehicle speed and gear selection
- Slipping or flaring during gear changes
- Often no symptoms besides the warning light, especially if the fault is intermittent

Common causes, most likely first

- 1 Faulty shift solenoid G (open or shorted coil)
- 2 Damaged or corroded wiring or connector at the solenoid
- 3 Open or shorted circuit in the harness between the TCM and solenoid
- 4 Poor electrical connection at the TCM
- 5 Internal transmission fluid contamination or debris blocking solenoid operation
- 6 Failed TCM (less common)

How to diagnose and fix it

- 1 Use a scan tool to verify the code and check for any related transmission codes
- 2 Inspect the solenoid connector and wiring for damage, corrosion, or loose pins
- 3 Measure the resistance of shift solenoid G and compare to the manufacturer's specification
- 4 Check the continuity and voltage drop of the circuit from the TCM to the solenoid
- 5 If the solenoid is faulty, replace it and clear the code
- 6 If the wiring is faulty, repair or replace the affected section of the harness
- 7 If the TCM is suspected, perform a thorough diagnostic before replacement



Don't overlook the wiring harness

- A common oversight is replacing the solenoid without checking the wiring harness for chafing or corrosion, which can cause the same code.
- The code can be set by a momentary electrical glitch, so an intermittent fault may not be present during testing.
- Transmission fluid contamination can cause solenoid malfunction, so always check fluid condition and level.
- Some vehicles require relearning the transmission adaptive values after solenoid replacement to restore proper shift quality.
- A faulty TCM can mimic solenoid circuit faults, so follow the diagnostic flow before condemning the module.

Can I keep driving with P075D?

If the transmission is shifting poorly or has entered limp mode, avoid driving at high speeds or under heavy load and seek service soon. If the only symptom is the warning light and the vehicle drives normally, you can drive cautiously to a repair shop, but prolonged driving with a known electrical fault may lead to further transmission damage.

Tools that help

- OBD-II scan tool with transmission diagnostics
- Digital multimeter
- Wire repair kit
- Manufacturer service information for circuit specifications

Reading P075D

P	Powertrain: engine, transmission and emissions.
0	Generic (SAE) code: it means the same thing on every OBD-II vehicle.
7	Transmission.
5D	The exact fault within that area.

Often seen with

P0750 Shift Solenoid 'A' · **P0755** Shift Solenoid 'B' · **P0760** Shift Solenoid 'C' · **P0765** Shift Solenoid 'D' · **P0770** Shift Solenoid 'E'



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/p075d/>

