

GENERIC · POWERTRAIN

P075E

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

P075E

Shift Solenoid G Intermittent

P075E indicates that the transmission control module (TCM) has detected an intermittent fault in the electrical circuit for shift solenoid G, which is responsible for controlling a specific gear shift in the automatic transmission. The TCM monitors the solenoid's current draw and response time, and when the signal momentarily drops out or behaves erratically, it stores this code and may illuminate the malfunction indicator lamp (MIL).

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

Symptoms you may notice

- Illumination of the check engine light (MIL) on the dashboard.
- Harsh or delayed gear shifts, especially when the transmission attempts to engage the gear controlled by solenoid G.
- Transmission may slip or fail to shift into certain gears, leading to increased engine RPM.
- Intermittent loss of power or hesitation during acceleration.
- Transmission may enter limp mode (fail-safe mode) with reduced performance.
- Often no symptoms besides the warning light, especially if the intermittent fault is brief.

Common causes, most likely first

- Faulty shift solenoid G itself, with internal electrical intermittency or mechanical sticking.
- Damaged or corroded wiring harness or connector at the solenoid or TCM.
- Poor electrical connection due to loose pins or water intrusion in the connector.
- Transmission fluid contamination or degradation causing solenoid malfunction.
- TCM software glitch or internal fault misinterpreting solenoid signals.
- Low transmission fluid level or clogged filter affecting hydraulic pressure and solenoid operation.



How to diagnose and fix it

- 1 Check transmission fluid level and condition; top off or replace fluid if contaminated.
- 2 Inspect the wiring harness and connector at shift solenoid G for damage, corrosion, or loose pins; repair or replace as needed.
- 3 Use a scan tool to command solenoid G on and off while monitoring current draw and listening for clicks; compare with known good values.
- 4 Measure the resistance of solenoid G with a multimeter and compare to manufacturer specifications; replace if out of range.
- 5 Perform a voltage drop test on the solenoid circuit to identify excessive resistance in wiring or connectors.
- 6 If the solenoid and wiring test good, check TCM for software updates or internal faults; reprogram or replace if necessary.
- 7 After repairs, clear codes and perform a relearn or adaptation drive cycle to verify the fix.

Intermittent solenoid faults often misdiagnosed

- A intermittent solenoid code like P075E can be set by a momentary voltage spike or drop elsewhere in the electrical system, so always check battery and charging system health first.
- The solenoid may test perfectly when cold but fail when hot; performing resistance and operation tests both cold and after a test drive can reveal temperature-related intermittency.
- Transmission fluid that is overdue for a change can cause solenoid sticking and intermittent operation without any electrical fault, so fluid condition is a critical first check.
- Some vehicles use a single solenoid for multiple functions, so a fault in solenoid G might also affect other gears; reviewing freeze frame data and other codes is essential.
- Replacing the solenoid without addressing a corroded connector or chafed wire will lead to a repeat failure, so always inspect the entire circuit.

Can I keep driving with P075E?

It is generally safe to drive with P075E if the transmission is not slipping severely or entering limp mode, but avoid aggressive acceleration and towing until diagnosed. If the vehicle exhibits harsh shifting or loss of power, seek professional service promptly to prevent further transmission damage.

Tools that help

- OBD-II scan tool with bidirectional control and live data
- Digital multimeter
- Transmission fluid level dipstick or scan tool for fluid level
- Wire repair kit (soldering iron, heat shrink, connectors)
- Vehicle-specific service information for solenoid resistance specifications



Reading P075E

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

Often seen with

P0750 Shift Solenoid 'A' · **P0755** Shift Solenoid 'B' · **P075A** Shift Solenoid G · **P0760** Shift Solenoid 'C' · **P0765** Shift Solenoid 'D'

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/p075e/>

