

GENERIC · POWERTRAIN

P076D

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

## P076D

### Shift Solenoid H Electrical

P076D indicates that the transmission control module (TCM) has detected an electrical fault in the circuit for shift solenoid H, which is one of the solenoids that controls hydraulic pressure for gear shifts. The TCM monitors the solenoid's electrical current and voltage and sets this code when the readings fall outside the expected range, signaling an open, short, or excessive resistance in the solenoid or its wiring.

| SYSTEM     | CODE TYPE           | SEVERITY | FIX DIFFICULTY | AREA         |
|------------|---------------------|----------|----------------|--------------|
| Powertrain | Generic (all makes) | Medium   | Intermediate   | 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 shifting into or out of certain gears.
- Transmission may enter limp mode, limiting vehicle speed and gear selection.
- Slipping or flaring during acceleration as the affected gear fails to engage properly.
- Erratic shifting patterns or inability to shift into overdrive.
- In some cases, the vehicle may start in a higher gear or refuse to downshift.

### Common causes, most likely first

- 1 Faulty shift solenoid H itself, such as a burned coil or internal short.
- 2 Damaged or corroded wiring harness or connector at the solenoid or TCM.
- 3 Open or short circuit in the solenoid control circuit, including chafed wires.
- 4 Poor electrical connection at the transmission pass-through connector.
- 5 Contaminated transmission fluid causing solenoid malfunction or sticking.
- 6 TCM internal fault, though less common.
- 7 Low transmission fluid level or degraded fluid affecting solenoid operation.



## How to diagnose and fix it

- 1 Check transmission fluid level and condition; top off or replace if contaminated.
- 2 Inspect the solenoid H electrical connector and wiring for corrosion, damage, or loose pins.
- 3 Measure the resistance of solenoid H with a multimeter and compare to manufacturer specifications.
- 4 Test the solenoid circuit for continuity and short to ground or power using a wiring diagram.
- 5 If resistance is out of spec, replace solenoid H and clear the code.
- 6 If wiring is faulty, repair or replace the affected harness section.
- 7 After repair, clear codes and perform a road test to verify proper operation and ensure the code does not return.

## What the code does not always mean

- A P076D code is often set by a simple loose or corroded connector rather than a failed solenoid, so always inspect the wiring before condemning the solenoid.
- Contaminated transmission fluid can cause solenoid H to stick or draw excessive current, mimicking an electrical failure; fluid condition should be checked first.
- Some vehicles use shift solenoid H for multiple functions, so a failure may affect several gears, but the code specifically points to the electrical circuit, not hydraulic issues.
- A faulty TCM can set this code erroneously, but it is rare; always rule out wiring and solenoid issues before replacing the TCM.
- Intermittent codes may be caused by vibration or temperature changes affecting a marginal connection, so wiggle-test the harness while monitoring live data.

## Can I keep driving with P076D?

If the vehicle is in limp mode or shifting harshly, avoid highway driving and seek repair promptly to prevent transmission damage. If only the warning light is on and the vehicle drives normally, you can drive cautiously to a repair shop, but avoid heavy acceleration or towing.

## Tools that help

- OBD-II scanner with live data capability
- Digital multimeter
- Transmission fluid level dipstick or scan tool for fluid level
- Wiring diagram for the specific vehicle
- Basic hand tools for connector and solenoid access



### Reading P076D

- P** Powertrain: engine, transmission and emissions.
- 0** Generic (SAE) code: it means the same thing on every OBD-II vehicle.
- 7** Transmission.
- 6D** The exact fault within that area.

### Often seen with

**P076A** Shift Solenoid H · **P076B** Shift Solenoid H Performance/Stuck Off · **P076C** Shift Solenoid H Stuck On · **P076E** Shift Solenoid H Intermittent · **P076F** Gear 7 Incorrect Ratio

### 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/p076d/>

