



P070B

Transmission Fluid Level Sensor Circuit Range/Performance

P070B indicates the transmission fluid level sensor circuit is reporting a voltage or signal outside its expected range for the current operating conditions, so the transmission control module cannot trust the fluid level reading. The computer has detected that the sensor's output does not correlate with known good values, often because the sensor is faulty, the wiring is damaged, or the fluid level is genuinely incorrect.

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

Symptoms you may notice

- Illuminated check engine light or transmission warning light, often with no other symptoms
- Harsh or delayed shifting as the transmission control module defaults to a safe strategy
- Transmission may enter limp mode, limiting vehicle speed and gear selection
- Incorrect or erratic fluid level reading on the dashboard, if equipped
- Fluid leaks or low fluid condition noticed during routine checks
- In rare cases, the vehicle may hesitate or slip when accelerating

Common causes, most likely first

- 1 Faulty transmission fluid level sensor or sensor circuit
- 2 Damaged, corroded, or disconnected wiring or connector at the sensor
- 3 Low or overfilled transmission fluid affecting sensor readings
- 4 Contaminated or degraded transmission fluid causing sensor malfunction
- 5 Failed transmission control module (TCM) or internal circuit issue
- 6 Mechanical damage to the sensor or its mounting inside the transmission pan



How to diagnose and fix it

- 1 Check transmission fluid level and condition according to the manufacturer's procedure, topping off or replacing fluid if needed
- 2 Inspect the sensor wiring and connector for damage, corrosion, or loose pins, repairing as necessary
- 3 Test the transmission fluid level sensor with a multimeter for resistance or voltage output within specification
- 4 Compare live sensor data with a known good value or manual dipstick reading to confirm sensor accuracy
- 5 Replace the transmission fluid level sensor if it fails testing, following the manufacturer's service procedure
- 6 Clear the diagnostic trouble code and perform a road test to verify the repair and ensure the code does not return
- 7 If the code persists, diagnose the TCM and internal transmission wiring for faults

Fluid Level Sensor Faults Often Misdiagnosed

- A low fluid level from a slow leak can set P070B without any sensor failure, so always verify fluid level and condition before replacing parts.
The sensor may be integrated into the transmission pan or valve body, making replacement more labor-intensive than expected on some models.
- Corroded connectors or chafed wiring near the transmission are common culprits that mimic a failed sensor and are often overlooked.
- After fluid service, some vehicles require a relearn or adaptation procedure for the transmission to recognize the new fluid level.
- P070B can be set by a faulty TCM or internal transmission harness, so don't assume the sensor is always at fault.

Can I keep driving with P070B?

It is generally safe to drive with P070B if the transmission shifts normally, but avoid aggressive acceleration or heavy loads until the fault is repaired. If the transmission enters limp mode or shifts harshly, seek professional diagnosis promptly to prevent further damage.

Tools that help

- OBD-II scan tool with live data capability
- Digital multimeter
- Manufacturer-specific transmission fluid level dipstick or tool
- Socket set and wrenches
- Fluid pump or funnel for transmission fluid
- Wire repair kit with crimpers and heat shrink



Reading P070B

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

Often seen with

P0700 Transmission Control System Malfunction · **P0710** Transmission Fluid Temperature Sensor Circuit Malfunction · **P0715** Input/Turbine Speed Sensor Circuit Malfunction · **P0720** Output Speed Sensor Circuit Malfunction · **P0730** Incorrect Gear 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/p070b/>

