

GENERIC · POWERTRAIN

P084E

OBD-II TROUBLE CODE

P084E

Transmission Fluid Pressure Sensor/Switch H Circuit Intermittent

P084E indicates that the transmission control module (TCM) has detected an intermittent fault in the electrical circuit for transmission fluid pressure sensor or switch H. The TCM monitors the signal from this sensor to ensure it remains within expected voltage or resistance limits, and an intermittent condition means the signal momentarily drops out or spikes outside those limits, often setting the code after a certain number of occurrences.

SYSTEM

Powertrain

CODE TYPE

Generic (all makes)

SEVERITY

Medium

FIX DIFFICULTY

Intermediate

AREA

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 as the transmission may default to a limp-home mode
- Transmission may slip or fail to engage certain gears intermittently
- Erratic or inconsistent shift quality that comes and goes
- Possible reduced fuel economy due to improper shift scheduling

Common causes, most likely first

- 1 Faulty transmission fluid pressure sensor or switch H itself, especially internal intermittent contact
- 2 Damaged or chafed wiring harness between the sensor and the TCM, often near heat sources or sharp edges
- 3 Corroded or loose electrical connector at the sensor or TCM
- 4 Low or contaminated transmission fluid causing erratic pressure readings
- 5 Internal transmission mechanical issues affecting actual pressure, which the sensor correctly reports as intermittent
- 6 TCM software glitch or internal fault causing false intermittent detection



How to diagnose and fix it

- 1 Verify transmission fluid level and condition; top off or replace fluid if contaminated
- 2 Inspect the sensor and its connector for corrosion, loose pins, or damage; clean and reseat as needed
- 3 Perform a wiggle test on the wiring harness while monitoring live sensor data to identify intermittent opens or shorts
- 4 Check resistance and voltage of the sensor circuit against manufacturer specifications
- 5 Replace the transmission fluid pressure sensor or switch H if electrical tests indicate it is faulty
- 6 Repair or replace damaged wiring or connectors as necessary
- 7 Clear the code and perform a road test to confirm the repair, monitoring for recurrence

Intermittent faults often hide in the harness

- A common oversight is replacing the sensor without checking the wiring harness, which frequently chafes against transmission mounts or heat shields and causes intermittent shorts.
- The code can be set by a momentary voltage spike from a failing alternator or poor ground connection, so always check charging system and grounds before condemning the sensor.
- Some vehicles use a pressure switch rather than a sensor, and the switch may only act up when the transmission is cold or under specific load conditions, making it hard to reproduce.
- Intermittent codes may not illuminate the warning light immediately; they often require multiple drive cycles to set, so a single occurrence may not trigger a dashboard alert.
- A contaminated transmission fluid can cause the pressure sensor to send erratic signals, so fluid condition is a critical first check even if the sensor tests good.

Can I keep driving with P084E?

It is generally safe to continue driving with P084E if the transmission shifts normally, but avoid heavy towing or aggressive driving until the fault is repaired. If the transmission enters limp mode or shifts harshly, seek service promptly to prevent further damage.

Tools that help

- OBD-II scan tool with live data capability
- Digital multimeter
- Transmission fluid level dipstick or scan tool for fluid level
- Wire piercing probes or back-probe kit
- Factory service information for wiring diagrams and specifications



Reading P084E

P	Powertrain: engine, transmission and emissions.
0	Generic (SAE) code: it means the same thing on every OBD-II vehicle.
8	Transmission.
4E	The exact fault within that area.

Often seen with

P084A Transmission Fluid Pressure Sensor/Switch H Circuit · **P084B** Transmission Fluid Pressure Sensor/Switch H Circuit Range/Pe · **P084C** Transmission Fluid Pressure Sensor/Switch H Circuit Low · **P084D** Transmission Fluid Pressure Sensor/Switch H Circuit High · **P084F** Park/Neutral Switch Output Circuit

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/p084e/>

