

FORD · POWERTRAIN

P1760

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

P1760 · Ford

Transmission system problems

P1760 on Ford vehicles is a manufacturer-specific code that the transmission control module (TCM) sets when it detects a general fault within the transmission system, often without pinpointing a single component. The computer has logged an abnormal condition in the electronic control or hydraulic circuits that it cannot attribute to a specific sensor or solenoid, so it flags the entire system for diagnosis.

SYSTEM	CODE TYPE	SEVERITY	FIX DIFFICULTY	AREA
Powertrain	Ford specific	Medium	Professional	Transmission

Symptoms you may notice

- Illumination of the check engine light or transmission warning light, often with no other noticeable symptoms
- Harsh or delayed shifting, especially when the transmission is cold or under load
- Transmission slipping or flaring between gears during acceleration
- Failure to engage a gear or a sudden drop into limp mode
- Erratic shift points or torque converter clutch (TCC) engagement
- Sometimes no symptoms besides the warning light, particularly if the fault is intermittent

Common causes, most likely first

- 1 Low or degraded transmission fluid, often due to a leak or overdue service
- 2 Faulty transmission range sensor or manual lever position sensor sending incorrect signals
- 3 Sticking or failed shift solenoid or pressure control solenoid
- 4 Damaged wiring or corroded connectors in the transmission harness
- 5 Internal transmission mechanical wear, such as a failing valve body or clutch pack
- 6 Faulty transmission control module (TCM) or powertrain control module (PCM) software issue
- 7 Poor electrical ground or battery voltage irregularities affecting TCM operation



How to diagnose and fix it

- 1 Check transmission fluid level and condition; top off or replace fluid if burnt or contaminated
- 2 Scan all modules for stored and pending codes, and record freeze-frame data to understand when the fault occurred
- 3 Inspect the transmission wiring harness and connectors for chafing, corrosion, or loose pins
- 4 Test the transmission range sensor and shift solenoids with a multimeter for resistance and continuity
- 5 Perform a voltage drop test on the transmission ground circuit and verify battery and charging system health
- 6 If electrical checks pass, perform a transmission pressure test and inspect the valve body for sticking valves
- 7 Reprogram or update the TCM/PCM software if a known calibration issue exists, then clear codes and road test

What P1760 Often Misses

- A loose or corroded battery terminal can cause voltage spikes that the TCM interprets as a transmission fault, so always check power and ground integrity before condemning internal parts.
The code frequently appears after a transmission fluid service if the wrong fluid type is used or the level is incorrect, so verify fluid specification and level first.
- Intermittent P1760 codes that clear on their own are often caused by a failing transmission range sensor that only acts up when hot or wet.
- A faulty alternator or weak battery can set P1760 because the TCM requires stable voltage to operate solenoids correctly, so load-test the charging system.
Do not replace the transmission based solely on P1760; this code is a general system flag and often resolves with wiring or sensor repairs.

Can I keep driving with P1760?

You can usually drive cautiously to a repair shop if the transmission shifts normally and the light is steady, but avoid heavy acceleration or towing. If the transmission slips, flares, or enters limp mode, stop driving and have it towed to prevent further damage.

Tools that help

- OBD-II scan tool with manufacturer-specific software
- Digital multimeter
- Transmission fluid level dipstick or scan tool for fluid temperature
- Wire repair kit and contact cleaner
- Transmission pressure gauge



Reading P1760

- P** Powertrain: engine, transmission and emissions.
- 1** Manufacturer-specific code (Ford): its meaning depends on the make.
- 7** Transmission.
- 60** The exact fault within that area.

Often seen with

P0700 Transmission Control System Malfunction · **P0705** Transmission Range Sensor Circuit Malfunction · **P0715** Input/Turbine Speed Sensor Circuit Malfunction · **P0740** Torque Converter Clutch Circuit Malfunction · **P0750** Shift Solenoid 'A'

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/ford-p1760/>

