



P1767 · Ford

Torque Converter Clutch Circuit Malfunction

P1767 on a Ford vehicle indicates that the powertrain control module (PCM) has detected an electrical fault in the torque converter clutch (TCC) solenoid circuit. The PCM monitors the circuit for expected voltage or current and sets this code when the signal is out of range, which can prevent the clutch from engaging or disengaging properly.

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

Symptoms you may notice

- Illumination of the check engine light, often with no other noticeable symptoms
- Harsh or delayed transmission shifts, especially when the converter clutch is commanded
- The engine may shudder or surge at steady highway speeds when the clutch tries to engage
- Poor fuel economy due to the clutch failing to lock up
- Transmission may slip or feel like it is in neutral during certain driving conditions
- In some cases, the transmission may enter limp mode with harsh engagement

Common causes, most likely first

- 1 Faulty torque converter clutch solenoid
- 2 Damaged or corroded wiring or connector at the transmission
- 3 Open or short circuit in the TCC solenoid wiring harness
- 4 Failed transmission control module (TCM) or PCM driver
- 5 Low or contaminated transmission fluid causing solenoid malfunction
- 6 Internal transmission mechanical issue affecting the TCC circuit

How to diagnose and fix it

- 1 Check transmission fluid level and condition; top off or replace if contaminated
- 2 Inspect the TCC solenoid connector and wiring for damage, corrosion, or loose pins
- 3 Measure resistance of the TCC solenoid and compare to factory specification
- 4 Test the circuit for continuity and shorts between the PCM and solenoid
- 5 Replace the TCC solenoid if resistance is out of spec or the solenoid fails a functional test
- 6 Repair or replace damaged wiring or connectors as needed
- 7 Clear the code and perform a road test to verify the repair



TCC circuit faults often misdiagnosed

- A common mistake is replacing the transmission entirely when the issue is simply a chafed wire near the bell housing or a corroded connector.
- The TCC solenoid shares power or ground with other solenoids on some Ford models, so a fault in a shared circuit can set P1767 along with other codes.
- Low transmission fluid or a clogged filter can cause the solenoid to malfunction electrically, so always check fluid condition before condemning the solenoid.
- On some Ford vehicles, the PCM may set P1767 if the TCC clutch is mechanically stuck, even when the electrical circuit is intact.
- A faulty brake pedal switch can prevent TCC lockup and set a related code, so verify brake switch operation if the clutch never engages.

Can I keep driving with P1767?

You can usually drive the vehicle with this code, but avoid heavy acceleration and highway speeds if the transmission shifts harshly or slips. Prolonged driving with a faulty TCC circuit can lead to transmission damage, so schedule a diagnosis soon.

Tools that help

- OBD-II scanner with live data capability
- Digital multimeter
- Factory service information for wiring diagrams and resistance specs
- Basic hand tools for connector and solenoid access
- Transmission fluid level gauge and fluid pump

Reading P1767

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

Often seen with

P1747 Transmission Control Unit Relay Open Short To Ground · **P1762** Shift Lock Short To B+ · **P1747** Electronic Pressure Control Solenoid Circuit · **P1762** Transmission SS3 SS4 OD Band Fault · **P1747** Pressure Regulator 3 · **P1762** Governor Pressure Sensor Offset Improper Voltage · **P1747** Electronic Pressure Control Solenoid A Short Circuit · **P1762** Overdrive Band Failed Off · **P1762** Governor Pressure Sensor Offset Improper Voltage · **P1747** CAN Bus Monitoring · **P0740** Torque Converter Clutch Circuit Malfunction · **P0741** Torque Converter Clutch Circuit Performance or Stuck Off · **P0742** Torque Converter Clutch Circuit Stuck On



See it working

Watch the animated explainer [Manual Car Driving Simulator: Learn Clutch Control](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/ford-p1767/>

