

FORD · POWERTRAIN

P1584

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

P1584 · Ford

Throttle Control Detected ETB Malfunction

P1584 on Ford vehicles indicates that the powertrain control module (PCM) has detected a malfunction within the electronic throttle body (ETB) system, which controls the throttle plate electronically instead of via a cable. The PCM monitors the throttle actuator motor and throttle position sensors (TPS) for correlation and electrical faults, and this code sets when the expected response is not achieved.

SYSTEM	CODE TYPE	SEVERITY	FIX DIFFICULTY	AREA
Powertrain	Ford specific	Medium	Intermediate	Vehicle speed, idle control and auxiliary inputs

Symptoms you may notice

- Illumination of the check engine light or wrench light on the dashboard
- Reduced engine power or limp mode, limiting vehicle speed
- Unresponsive or erratic accelerator pedal feel
- Rough idle or stalling when coming to a stop
- Often no symptoms besides the warning light, especially if the fault is intermittent

Common causes, most likely first

- 1 Carbon buildup or contamination on the throttle plate causing it to stick
- 2 Faulty electronic throttle body (worn motor or sensor)
- 3 Damaged or corroded wiring in the throttle body harness
- 4 Poor electrical connection at the throttle body connector
- 5 Failed throttle position sensor (TPS) inside the throttle body
- 6 PCM software issue or internal fault (less common)

How to diagnose and fix it

- 1 Inspect the throttle body for carbon deposits and clean it with throttle body cleaner
- 2 Check the throttle body connector and wiring for corrosion, loose pins, or damage
- 3 Perform a throttle body relearn or calibration procedure using a scan tool
- 4 Test the throttle actuator motor and TPS with a multimeter for resistance and voltage
- 5 Replace the electronic throttle body if cleaning and wiring checks do not resolve the issue
- 6 Reprogram or update the PCM software if a known calibration issue exists
- 7 Clear the code and verify the repair with a test drive



Common Misdiagnosis Traps for P1584

- A dirty throttle body is often the root cause, but many technicians replace the entire unit without first attempting a thorough cleaning and relearn procedure.
- Intermittent wiring issues at the throttle body connector can mimic a failed throttle body, so always perform a wiggle test and inspect the harness before condemning the part.
- This code does not always indicate a hard failure; it can be set by a momentary glitch, so clearing the code and seeing if it returns is a valid first step.
- Ford's throttle body relearn procedure requires a capable scan tool; without it, the PCM may not recognize a cleaned or replaced throttle body correctly.
- Related codes such as P2135 or P2106 may also be present, but P1584 specifically points to the ETB system malfunction as detected by the PCM.

Can I keep driving with P1584?

If the vehicle is in limp mode with reduced power, driving is not recommended because it can be unsafe in traffic. If the only symptom is a warning light and the car drives normally, you can drive cautiously to a repair shop, but avoid aggressive acceleration or heavy loads.

Tools that help

- OBD-II scan tool with Ford-specific software
- Digital multimeter
- Throttle body cleaner and shop rags
- Basic hand tools (screwdrivers, socket set)
- Wiring diagram for the throttle body circuit

Reading P1584

P	Powertrain: engine, transmission and emissions.
1	Manufacturer-specific code (Ford): its meaning depends on the make.
5	Vehicle speed, idle control and auxiliary inputs.
84	The exact fault within that area.

Often seen with

P2106 Throttle Actuator Control System - Forced Limited Power · **P2111** Throttle Actuator Control System - Unable to Open · **P2112** Throttle Actuator Control System - Unable to Close · **P2135** Throttle/Pedal Position Sensor A/B Voltage Correlation



See it working

Watch the animated explainer [How a Boxer Engine Works: Flat Engine Cutaway](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/ford-p1584/>

