

FORD · POWERTRAIN

P1582

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

P1582 · Ford

Electronic Throttle Monitor Data Available

P1582 on Ford vehicles means the powertrain control module (PCM) has stored electronic throttle monitor data that is available for retrieval, typically as part of the electronic throttle control (ETC) system's self-diagnostic strategy. The PCM is not necessarily reporting a hard failure of the throttle body itself; it is flagging that monitor data from the throttle actuator control (TAC) system has been captured and should be reviewed with a factory-level scan tool.

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

Symptoms you may notice

- Often no symptoms besides the warning light, with the vehicle driving normally
- Intermittent reduced engine power or limp-home mode, especially after restart
- A hesitation or stumble when accelerating from a stop
- A throttle pedal that feels unresponsive or unusually sensitive
- Occasional rough idle or fluctuating engine speed
- Other throttle-related codes stored alongside P1582 in the PCM

Common causes, most likely first

- 1 A momentary glitch or low battery voltage event that caused the PCM to log monitor data without a lasting fault
- 2 A dirty or carbon-fouled throttle body causing the throttle plate to move outside expected parameters
- 3 A failing throttle position sensor (TPS) or accelerator pedal position (APP) sensor sending inconsistent signals
- 4 Wiring harness chafing, loose connector pins, or corrosion at the throttle body or pedal connector
- 5 A weak or failing electronic throttle actuator motor inside the throttle body assembly
- 6 A PCM software calibration issue or a PCM that has stored data from a previous repair
- 7 A poor ground connection at the throttle body or PCM that disturbs the monitor circuit



How to diagnose and fix it

- 1 Connect a factory-level or enhanced scan tool and retrieve the stored electronic throttle monitor data before clearing anything
- 2 Record all freeze-frame and monitor data, then check for related throttle codes such as P2100-series or P2135
- 3 Inspect the throttle body connector and accelerator pedal connector for corrosion, loose pins, or chafed wiring
- 4 Remove and clean the throttle body with approved throttle body cleaner, then perform a throttle body relearn or idle relearn
- 5 Check battery voltage and charging system output, as low voltage can set this code without a hard fault
- 6 If data points to a sensor or actuator fault, test the TPS and APP sensor signals with a multimeter or oscilloscope
- 7 After repairs, clear codes, perform the required ETC relearn, and road-test to confirm the monitor data no longer returns

What the stored throttle monitor data really tells you

- P1582 is frequently a history code left behind by a low battery or a previous throttle body cleaning, so clearing it after a relearn often resolves the warning light without parts replacement.
- Technicians who replace the throttle body without first retrieving the stored monitor data often miss a simple connector or wiring fault that caused the PCM to log the data in the first place.
- A dirty throttle body on a Ford with electronic throttle control can set P1582 because the PCM sees the plate position deviate from commanded during a self-test, even though the throttle body is mechanically sound.
- This code does not always mean the throttle body is failing; it can be set by a momentary communication glitch on the controller area network (CAN) bus or by a PCM calibration that has since been updated.
- After any throttle body service on a Ford, the PCM must complete a throttle body relearn; skipping that step can cause P1582 to return immediately along with a reduced power message.

Can I keep driving with P1582?

If the vehicle drives normally with no reduced power message, you can drive it to a workshop for diagnosis, but avoid aggressive acceleration or long trips until the stored data is reviewed. If the engine enters limp-home mode or the throttle responds erratically, stop driving and have the vehicle towed to prevent a loss of power at speed.

Tools that help

- Factory-level or enhanced OBD-II scan tool capable of reading Ford throttle monitor data
- Digital multimeter
- Throttle body cleaner and clean shop rags
- Basic hand tools for removing the intake tube and throttle body
- Oscilloscope for testing throttle position and accelerator pedal signals



Reading P1582

- 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.
- 82** The exact fault within that area.

Often seen with

P0121 Throttle Position Sensor A Circuit Range/Performance · **P2100** Throttle Actuator Control Motor Circuit/Open · **P2101** Throttle Actuator Control Motor Circuit Range/Performance · **P2111** Throttle Actuator Control System - Unable to Open · **P2135** Throttle/Pedal Position Sensor A/B Voltage Correlation

See it working

Watch the animated explainer [How a Wideband Air-Fuel Sensor Works](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/ford-p1582/>

