

CHRYSLER · POWERTRAIN

P1830

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

P1830 · Chrysler

Open Or Shorted Condition Detected In The Clutch Pedal Switch Override Relay Control

P1830 on Chrysler vehicles indicates that the Transmission Control Module (TCM) has detected an open or shorted circuit in the clutch pedal switch override relay control circuit. This relay is used on manual-transmission models to allow the engine to start only when the clutch pedal is depressed, and the TCM monitors the control wire for abnormal voltage or current. The code sets when the TCM sees a condition outside the expected range, which can prevent the engine from cranking or cause intermittent no-start complaints.

SYSTEM

Powertrain

CODE TYPE

Chrysler specific

SEVERITY

Medium

FIX DIFFICULTY

Intermediate

AREA

Transmission

Symptoms you may notice

- Engine will not crank when the clutch pedal is pressed, often with no other warning
- Intermittent no-start condition that may temporarily resolve after wiggling the clutch pedal or waiting
- Clutch pedal must be pressed unusually hard or at a specific angle for the starter to engage
- Starter may click but not turn the engine, or nothing happens at all
- Often no symptoms besides the warning light if the fault is in the monitoring circuit rather than the relay output
- Possible related cruise control or clutch interlock irregularities on some models

Common causes, most likely first

- 1 Failed clutch pedal switch override relay (open coil or burned contacts)
- 2 Open or shorted wire in the relay control circuit between the TCM and the relay
- 3 Corroded or loose connector at the relay, TCM, or clutch pedal switch
- 4 Defective clutch pedal position switch or misadjusted switch plunger
- 5 Blown fuse or poor ground affecting the relay control circuit
- 6 Internal TCM driver fault on the relay control output
- 7 Aftermarket alarm or remote-start wiring improperly tied into the clutch interlock circuit



How to diagnose and fix it

- 1 Verify the code with a scan tool and check for any related body or transmission codes before touching hardware
- 2 Inspect the clutch pedal switch override relay and its socket for corrosion, loose pins, or burn marks
- 3 Test the relay coil and contacts with a multimeter, and swap with a known-good relay of the same part number to confirm
- 4 Check the clutch pedal switch adjustment and continuity through the switch when the pedal is depressed
- 5 Disconnect the TCM connector and check for battery voltage and ground on the relay control circuit, looking for opens or shorts
- 6 Repair any damaged wiring, replace corroded terminals, and clear the code to see if it returns
- 7 If the circuit tests good but the code persists, follow Chrysler diagnostic flow for TCM internal driver testing before replacing the TCM

Clutch override relay faults that fool technicians

- A common misdiagnosis is replacing the clutch pedal switch when the actual fault is the override relay or its control wire, so always test the relay circuit first.
- The TCM may set P1830 even when the engine starts normally if the monitoring circuit sees a brief glitch, so a stored code with no symptoms does not automatically mean a hard failure.
- Aftermarket remote starters or alarm systems that tap into the clutch interlock wire are a frequent cause of open or shorted conditions on this circuit.
- On some Chrysler manual-transmission models, the same relay control wire runs through a connector near the pedal assembly that can suffer from water intrusion or chafing.
- A weak battery or poor ground can cause the TCM to log this code intermittently, so check charging system health before condemning the relay or TCM.

Can I keep driving with P1830?

If the engine still starts reliably, you can drive the vehicle to a repair shop, but avoid stalling in traffic or parking where a no-start would be dangerous. If the engine will not crank at all, do not continue driving and arrange a tow or mobile diagnosis.

Tools that help

- OBD-II scan tool with Chrysler-specific software
- Digital multimeter
- Test light
- Relay puller or small pick
- Wiring diagram for the clutch override circuit



Reading P1830

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

Often seen with

P1831 PC Solenoid Power Circuit Low Voltage · **P1832** Transmission Transfer Case Differential Lock-Up Solenoid Cir · **P0510** Closed Throttle Position Switch Malfunction · **P0704** Clutch Switch Input Circuit Malfunction · **P0850** Park/Neutral Switch Input Circuit

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/chrysler-p1830/>

