

SUBARU · POWERTRAIN

P1592

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

P1592 · Subaru

Neutral Position Switch Circuit MT Model

P1592 on Subaru vehicles indicates that the engine control module (ECM) has detected an implausible signal from the neutral position switch circuit on models equipped with a manual transmission. The ECM expects a specific voltage when the shifter is in neutral and another when in gear, and this code sets when the circuit stays open, shorted, or otherwise out of range.

SYSTEM

Powertrain

CODE TYPE

Subaru specific

SEVERITY

Medium

FIX DIFFICULTY

Intermediate

AREA

Vehicle speed, idle control and auxiliary inputs

Symptoms you may notice

- Check Engine Light illuminated, often with no other noticeable symptoms
- Rough idle or stalling when coming to a stop, especially if the ECM cannot confirm neutral
- Inconsistent idle speed or hesitation when shifting between gears
- Difficulty starting or a no-crank condition in some cases if the switch also feeds the starter circuit
- Poor fuel economy or altered throttle response due to incorrect load calculations

Common causes, most likely first

- 1 Faulty neutral position switch on the manual transmission
- 2 Damaged or corroded wiring harness connector at the switch
- 3 Broken, chafed, or shorted wire between the switch and the ECM
- 4 Loose or missing ground connection for the switch circuit
- 5 Failed ECM (rare, but possible after other causes are ruled out)
- 6 Aftermarket short-throw shifter or clutch work that disturbed the switch adjustment

How to diagnose and fix it

- 1 Verify the code with a scan tool and check for any related transmission or engine codes
- 2 Inspect the neutral position switch connector for corrosion, loose pins, or damage
- 3 Test the switch continuity with a multimeter while moving the shifter in and out of neutral
- 4 Check the wiring harness for continuity and shorts between the switch and ECM
- 5 Adjust or replace the neutral position switch if it fails the continuity test
- 6 Clear the code and perform a road test to confirm the repair



Why the neutral switch code misleads

- A misadjusted clutch pedal or aftermarket shifter can cause the switch to read incorrectly without any faulty component.
- The neutral position switch often shares a circuit with the starter interlock, so a no-crank complaint may accompany P1592.
- Corrosion inside the switch connector is more common than a failed switch itself, especially in wet or salty climates.
- The ECM may set P1592 intermittently if the switch signal is only lost over bumps or during hard shifting.
- Replacing the ECM without testing the switch circuit first is a costly misdiagnosis that technicians see regularly.

Can I keep driving with P1592?

You can usually drive with P1592, but avoid aggressive shifting and be aware that the engine may stall or idle poorly when coming to a stop. If the car is difficult to start or stalls frequently, have it checked promptly.

Tools that help

- OBD-II scan tool
- Digital multimeter
- Jack and jack stands or ramps
- Basic socket and wrench set
- Wire probe and electrical tape

Reading P1592

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

Often seen with

P1591 Neutral Position Switch Circuit Low Input · **P1593** DISA Control Circuit Electrical · **P0850** Park/Neutral Switch Input Circuit · **P0851** Park/Neutral Switch Input Circuit Low · **P0852** Park/Neutral Switch Input Circuit High



See it working

Watch the animated explainer [How a Turbocharger Works, Step by Step](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/subaru-p1592/>

