

VOLKSWAGEN · POWERTRAIN

P1743

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

P1743 · Volkswagen

Clutch Slip Control Signal Too High

P1743 on Volkswagen vehicles means the transmission control module (TCM) has detected a clutch slip control signal that is higher than the expected range, typically indicating the clutch is slipping more than commanded or the signal circuit is reporting an excessive value. The TCM monitors the clutch slip control signal and sets this code when the voltage or duty cycle exceeds the calibrated threshold for a set time.

SYSTEM

Powertrain

CODE TYPE

Volkswagen
specific

SEVERITY

Medium

FIX DIFFICULTY

Professional

AREA

Transmission

Symptoms you may notice

- Illumination of the transmission warning light or check engine light
- Often no symptoms besides the warning light
- Harsh or delayed gear shifts, especially when accelerating
- Slipping sensation during acceleration or when climbing hills
- Reduced engine power or limp mode engagement
- Poor fuel economy due to increased clutch slip

Common causes, most likely first

- 1 Faulty clutch slip control solenoid or valve body issue
- 2 Worn or contaminated clutch packs in the transmission
- 3 Damaged wiring or connector at the clutch slip control solenoid
- 4 Low or degraded transmission fluid
- 5 Faulty transmission control module (TCM) or software calibration
- 6 Internal transmission mechanical wear causing excessive slip

How to diagnose and fix it

- 1 Check transmission fluid level and condition; top up or replace if contaminated
- 2 Inspect wiring and connectors at the clutch slip control solenoid for damage or corrosion
- 3 Use a diagnostic scan tool to read live data for clutch slip control signal and compare to specifications
- 4 Test the clutch slip control solenoid resistance and operation; replace if out of spec
- 5 Perform a transmission adaptation reset or software update if applicable
- 6 Inspect valve body for sticking valves or debris; clean or replace as needed
- 7 If internal wear is suspected, remove transmission for clutch pack inspection and repair



Clutch Slip Signal Diagnostics and Traps

- A common misdiagnosis is replacing the TCM when the actual fault is a worn clutch pack causing excessive slip that the TCM correctly flags as a high signal.
- Contaminated transmission fluid from a failing cooler or neglected service can cause the clutch slip control solenoid to stick, setting P1743 without any electrical fault.
- On some Volkswagen models, a faulty brake light switch or cruise control switch can interfere with the clutch slip signal circuit, so check those inputs before condemning the transmission.
- The code can be set by a temporary low-voltage condition or a weak battery, so always verify battery and charging system health before deeper diagnostics.
- After repairs, a transmission adaptation drive cycle is required to relearn clutch characteristics; skipping this step can cause the code to return immediately.

Can I keep driving with P1743?

You can drive the vehicle cautiously to a repair shop, but avoid aggressive acceleration or heavy loads that increase clutch slip. If the transmission enters limp mode or shifts harshly, stop driving and seek professional diagnosis to prevent further damage.

Tools that help

- Diagnostic scan tool with Volkswagen-specific software
- Digital multimeter for circuit testing
- Transmission fluid level dipstick or inspection tool
- Socket set and Torx bits for valve body access
- Factory service information for wiring diagrams and specifications

Reading P1743

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

Often seen with

P1742 Clutch Torque Adaptation At Limit · **P1744** Tiptronic Switch Recognition Circuit Short To Ground · **P1742** Auto Trans Diagnosis Input Signal Malfunction · **P1742** Torque Converter Clutch Solenoid Shorted · **P1744** Torque Converter Clutch Solenoid Mechanical Fault · **P1742** Torque Converter Clutch Solenoid Faulty · **P1744** Torque Converter Clutch System Stuck in Off Position · **P1744** Pressure Control Solenoid A Electrical · **P0700** Transmission Control System Malfunction · **P0715** Input/Turbine Speed Sensor Circuit Malfunction · **P0730** Incorrect Gear Ratio



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/volkswagen-p1743/>

