

NISSAN · POWERTRAIN

P1768

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

P1768 · Nissan

Automatic Transmission System Malfunction

P1768 on Nissan vehicles indicates that the Transmission Control Module (TCM) has detected a general malfunction within the automatic transmission system, often related to the valve body, solenoids, or internal hydraulic circuits. The TCM sets this code when it receives implausible signals or detects an electrical fault in the transmission control system, but it does not pinpoint a specific component.

SYSTEM

Powertrain

CODE TYPE

Nissan specific

SEVERITY

Medium

FIX DIFFICULTY

Professional

AREA

Transmission

Symptoms you may notice

- Illumination of the Check Engine Light or Transmission Warning Light
- Harsh or delayed gear shifts
- Transmission stuck in limp mode (fail-safe mode)
- Slipping or flaring during acceleration
- Often no symptoms besides the warning light

Common causes, most likely first

- 1 Faulty valve body or stuck shift solenoid
- 2 Deteriorated or contaminated automatic transmission fluid (ATF)
- 3 Internal transmission mechanical wear (e.g., clutch packs, bands)
- 4 Wiring harness damage or poor electrical connections at the transmission
- 5 Malfunctioning Transmission Control Module (TCM)
- 6 Faulty transmission range sensor or input/output speed sensors

How to diagnose and fix it

- 1 Check transmission fluid level and condition; top off or replace if degraded
- 2 Perform a visual inspection of the transmission wiring harness and connectors for damage or corrosion
- 3 Scan all modules for stored codes and freeze frame data to identify related faults
- 4 Test shift solenoids and valve body operation with a bidirectional scan tool
- 5 Inspect and test the transmission range sensor and speed sensors
- 6 Repair or replace faulty wiring, solenoids, or valve body as needed
- 7 Clear codes and perform a relearn or adaptation procedure if required



What P1768 Really Means for Your Nissan

- P1768 is often set by low or dirty transmission fluid, so a simple fluid service can resolve it before any major repairs.
- A weak battery or charging system can cause voltage drops that trigger this code, so always check battery health first.
- The code may be stored without any drivability symptoms, but ignoring it can lead to premature transmission wear.
- After repairs, the TCM may need a relearn procedure to clear the code and restore proper shift quality.
- Related codes like P0700 or P0720 often accompany P1768 and can provide more specific direction for diagnosis.

Can I keep driving with P1768?

If the transmission is in limp mode or shifting harshly, avoid highway driving and seek service immediately to prevent further damage. If only the warning light is on and the vehicle drives normally, you can drive cautiously to a repair shop, but avoid heavy acceleration or towing.

Tools that help

- OBD-II scan tool with bidirectional control
- Digital multimeter
- Transmission fluid level dipstick (if equipped)
- Jack and jack stands or lift
- Factory service information for wiring diagrams and specifications

Reading P1768

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

Often seen with

P0700 Transmission Control System Malfunction · **P0720** Output Speed Sensor Circuit Malfunction · **P0730** Incorrect Gear Ratio · **P0740** Torque Converter Clutch Circuit Malfunction · **P0750** Shift Solenoid 'A'



See it working

Watch the animated explainer [How an Automatic Transmission Works, Gear by Gear](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/nissan-p1768/>

