



P1243 · Nissan

Throttle Position Insufficient

P1243 on Nissan vehicles means the engine control module (ECM) has detected that the throttle position sensor signal does not change enough when the throttle valve is commanded to move. The computer expects the throttle plate to open or close a certain amount, but the sensor reports little or no corresponding movement, so the ECM flags the throttle position as insufficient.

SYSTEM	CODE TYPE	SEVERITY	FIX DIFFICULTY	AREA
Powertrain	Nissan specific	Medium	Intermediate	Fuel and air metering (injector circuits)

Symptoms you may notice

- Illumination of the check engine light, often with no other noticeable symptoms
- Reduced engine power or limp mode, especially during acceleration
- Hesitation or stumble when pressing the accelerator pedal
- Unusual transmission shift behavior, such as harsh or delayed shifts
- Poor fuel economy or rough idle in some cases

Common causes, most likely first

- 1 Carbon buildup or sludge on the throttle plate and bore, restricting movement
- 2 Faulty throttle position sensor (TPS) or its electrical connector
- 3 Damaged or corroded wiring in the TPS circuit (signal, ground, or reference voltage)
- 4 Sticking or binding throttle body assembly, including a worn internal motor or gear
- 5 ECM software issue or faulty ECM (less common)
- 6 Intake air leaks after the throttle body affecting throttle position correlation

How to diagnose and fix it

- 1 Inspect the throttle body for carbon buildup and clean it with approved throttle body cleaner
- 2 Check the TPS connector and wiring for corrosion, loose pins, or damage; repair as needed
- 3 Perform a throttle position sensor voltage sweep with a scan tool or multimeter to verify smooth operation
- 4 Compare commanded throttle position from the ECM to actual TPS reading to confirm the fault
- 5 Check for intake air leaks between the throttle body and engine
- 6 Replace the throttle body or TPS if cleaning and wiring repairs do not resolve the issue
- 7 Relearn the throttle position and idle air volume using a scan tool after repairs



Why throttle position codes often mislead

- A dirty throttle body is the most common cause of P1243 on Nissan vehicles, and cleaning it often resolves the code without replacing any parts.
- The code can set intermittently due to a loose TPS connector that only loses contact during engine vibration or temperature changes.
- A failing accelerator pedal position sensor can mimic a throttle position problem, so always compare both pedal and throttle sensor readings.
- After replacing the throttle body or TPS, a throttle relearn procedure is mandatory; skipping it will cause the code to return immediately.
- Some aftermarket throttle bodies have calibration issues that trigger P1243 even when the part is new, so OEM or known-good used parts are safer.

Can I keep driving with P1243?

You can usually drive the vehicle to a repair shop, but avoid heavy acceleration or sustained high speeds because the engine may enter limp mode without warning. If the car feels unsafe or stalls, stop driving and have it towed.

Tools that help

- OBD-II scan tool with live data capability
- Digital multimeter
- Throttle body cleaner and soft brush
- Basic hand tools (screwdrivers, socket set)
- Factory service information or reliable repair guide

Reading P1243

P	Powertrain: engine, transmission and emissions.
1	Manufacturer-specific code (Nissan): its meaning depends on the make.
2	Fuel and air metering (injector circuits).
43	The exact fault within that area.

Often seen with

P0121 Throttle Position Sensor A Circuit Range/Performance · **P0122** Throttle Position Sensor A Circuit Low Input · **P0123** Throttle Position Sensor A Circuit High Input · **P0507** Idle Control System RPM Higher Than Expected · **P2135** Throttle/Pedal Position Sensor A/B Voltage Correlation



See it working

Watch the animated explainer [How the PCV System Works: Crankcase Ventilation](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/nissan-p1243/>

