



## P1210 · Nissan

### Traction Control System Signal Fault

P1210 on Nissan vehicles indicates that the traction control system (TCS) has detected a signal fault, typically from a wheel speed sensor or the TCS control module itself. The computer monitors the TCS circuit and sets this code when the signal from the traction control system is missing, erratic, or out of expected range.

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

### Symptoms you may notice

- Traction control warning light illuminated on the dashboard
- ABS (Anti-lock Braking System) light may also be on, as the systems share wheel speed sensors
- Reduced engine power or limp mode in some models
- Intermittent or no operation of the traction control system
- Often no symptoms besides the warning light

### Common causes, most likely first

- 1 Faulty wheel speed sensor (most common)
- 2 Damaged or corroded wheel speed sensor wiring or connector
- 3 Failed traction control system control module
- 4 Brake fluid level low or brake system fault affecting TCS
- 5 Steering angle sensor malfunction (if equipped)
- 6 CAN bus communication issue between TCS and other modules

### How to diagnose and fix it

- 1 Use an OBD-II scanner to read all codes and check for related ABS or wheel speed sensor codes
- 2 Inspect each wheel speed sensor and its wiring for damage, corrosion, or loose connections
- 3 Measure the resistance and AC voltage output of each wheel speed sensor while spinning the wheel
- 4 Check the brake fluid level and inspect the brake system for leaks or air
- 5 Verify the steering angle sensor calibration and operation if applicable
- 6 Inspect the TCS control module connectors and wiring for signs of water intrusion or corrosion
- 7 If all else checks out, test or replace the TCS control module as needed



## Before you replace the TCS module

- A dirty or damaged wheel speed sensor tone ring is a frequent cause that many technicians overlook when they focus only on the sensor itself.
- Low brake fluid can trigger P1210 because the TCS relies on brake pressure data; always check the fluid level before condemning electrical parts.
- On some Nissan models, a weak battery or charging system fault can cause false TCS codes due to voltage drops affecting module communication.
- After replacing a wheel speed sensor, the TCS light may stay on until the vehicle is driven a short distance to relearn the signal.
- P1210 can be set by a faulty ABS control module even when the TCS module itself is fine, so don't replace the TCS module without testing the ABS system first.

## Can I keep driving with P1210?

You can usually drive the vehicle with P1210 set, but traction control and ABS may be disabled, increasing stopping distances on slippery surfaces. Avoid driving in wet or icy conditions and have the fault diagnosed promptly to restore full safety system function.

## Tools that help

- OBD-II scanner with ABS/TCS capability
- Digital multimeter
- Jack and jack stands
- Wheel speed sensor socket set
- Vehicle service manual for wiring diagrams

## Reading P1210

|           |                                                                       |
|-----------|-----------------------------------------------------------------------|
| <b>P</b>  | Powertrain: engine, transmission and emissions.                       |
| <b>1</b>  | Manufacturer-specific code (Nissan): its meaning depends on the make. |
| <b>2</b>  | Fuel and air metering (injector circuits).                            |
| <b>10</b> | The exact fault within that area.                                     |

## Often seen with

**P1211** Intake Valves For Cylinder Shut-Off Open Circuit · **P1211** ABS TCS Control Unit · **P1211** Mass Airflow Circuit Intermittent High · **P1211** Injector Control Pressure Sensor Above Below Desired · **P1211** Mass Air Flow Circuit Intermittent High · **C0035** Left Front Wheel Speed Sensor Circuit Range/Performance · **C0040** Left Rear Wheel Speed Sensor Circuit · **P0500** Vehicle Speed Sensor Malfunction · **U0121** Lost Communication With Anti-Lock Brake System (ABS) Control



## See it working

Watch the animated explainer [How a Knock Sensor Works: Spark Timing and Octane](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/nissan-p1210/>

