

GENERIC · CHASSIS

**C0950**

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

## C0950

### Tire Pressure Monitoring Sensor Front Left

C0950 indicates that the vehicle's computer has detected a fault with the tire pressure monitoring sensor (TPMS) located in the front left tire, meaning the sensor is not reporting pressure data correctly or at all. The computer typically sets this code when it receives no signal, an invalid signal, or a low battery voltage indication from that specific sensor.

SYSTEM

**Chassis**

CODE TYPE

**Generic (all makes)**

SEVERITY

**Low**

FIX DIFFICULTY

**Intermediate**

AREA

**Brakes, steering and suspension**

### Symptoms you may notice

- Tire pressure warning light illuminated on the dashboard
- Often no symptoms besides the warning light
- Incorrect or missing tire pressure reading for the front left tire on the TPMS display
- A message such as 'Tire Pressure Sensor Fault' or 'Check TPMS System' on the driver information center
- In rare cases, other TPMS-related warnings or a chime when starting the vehicle

### Common causes, most likely first

- 1 Dead or weak battery inside the front left TPMS sensor
- 2 Failed front left TPMS sensor electronics
- 3 Damaged or corroded sensor valve stem or internal antenna
- 4 Radio frequency interference from aftermarket electronics or nearby strong signals
- 5 Physical damage to the sensor from road debris or tire service
- 6 Loose or improperly installed sensor after a tire rotation or replacement
- 7 Faulty TPMS receiver or wiring (less common, but possible)

### How to diagnose and fix it

- 1 Verify the tire pressures with a handheld gauge and adjust to the specified placard values
- 2 Perform a TPMS relearn procedure as outlined in the owner's manual or service information
- 3 Use a TPMS diagnostic tool to read sensor data and confirm the front left sensor is not responding
- 4 Inspect the front left sensor and valve stem for physical damage or corrosion
- 5 Test the sensor's battery voltage and signal strength with a TPMS tool
- 6 Replace the front left TPMS sensor if it fails testing, then perform a relearn
- 7 If the sensor is good, check the TPMS receiver and wiring for faults



## What Most Techs Miss on C0950

- A dead sensor battery is the most common cause, but many people replace the entire sensor when only the battery is serviceable on some designs.
- Aftermarket wheels or valve stem caps can block the sensor signal and set this code without any sensor fault.
- The code can be set by a temporary loss of signal due to radio interference, so clearing it and driving may resolve it without parts.
- Some vehicles require a specific relearn procedure after tire rotation, and skipping it can trigger C0950 even with good sensors.
- A weak vehicle battery or charging system issue can cause multiple TPMS codes, so always check system voltage first.

## Can I keep driving with C0950?

It is safe to continue driving with C0950 because the tire pressure monitoring system is disabled for that wheel, but you should manually check the front left tire pressure regularly until the fault is repaired. Avoid ignoring the warning light, as you lose the safety benefit of TPMS for that tire.

## Tools that help

- Tire pressure gauge
- TPMS diagnostic tool or scan tool with TPMS capability
- TPMS relearn tool
- Valve core removal tool
- Multimeter

## Reading C0950

|           |                                                                      |
|-----------|----------------------------------------------------------------------|
| <b>C</b>  | Chassis: brakes, steering and suspension.                            |
| <b>0</b>  | Generic (SAE) code: it means the same thing on every OBD-II vehicle. |
| <b>9</b>  | Brakes, steering and suspension.                                     |
| <b>50</b> | The exact fault within that area.                                    |

## Often seen with

**C0951** Tire Pressure Monitoring Sensor Front Right · **C0952** Tire Pressure Monitoring Sensor Rear Left · **C0953** Tire Pressure Monitoring Sensor Rear Right



## See it working

Watch the animated explainer [Readiness Monitors and the OBD-II Drive Cycle](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/c0950/>

