

GENERIC · NETWORK

U0330

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

U0330

Software Incompatibility with Tire Pressure Monitor Module

U0330 is a generic network communication code indicating that a control module on the vehicle's data bus has detected a software incompatibility with the Tire Pressure Monitor Module (TPM). The computer is not reporting a sensor fault or a low tire; it is reporting that the TPM's software version, calibration, or configuration does not match what another module expects, so the two cannot exchange tire-pressure data correctly.

SYSTEM	CODE TYPE	SEVERITY	FIX DIFFICULTY	AREA
Network	Generic (all makes)	Low	Professional	Software and configuration mismatches

Symptoms you may notice

- Tire Pressure Monitoring System (TPMS) warning light illuminated steadily or flashing
- No tire pressure readings displayed on the instrument cluster or infotainment screen
- A message such as 'TPMS unavailable' or 'Service tire monitor system' shown in the driver information center
- Other unrelated warning lights or module communication codes present if the incompatibility affects shared bus traffic
- Often no symptoms besides the warning light, with the vehicle driving and tires holding pressure normally

Common causes, most likely first

- TPM module software or calibration not matching the version expected by other modules after a replacement or reflash
- Incorrect TPM module installed for the vehicle's build configuration or market
- Failed or interrupted software update or programming event that left the TPM module with mismatched software
- Corrupted configuration or coding data in the TPM module or a gateway module
- Low battery voltage or poor ground causing the TPM module to boot with incomplete software handshake data
- Aftermarket or salvage TPM module with incompatible firmware installed during a previous repair
- Data bus wiring or connector fault that corrupts the software identification messages the TPM sends



How to diagnose and fix it

- 1 Scan all modules and record every stored code, then verify battery voltage and grounds before condemning the TPM module
- 2 Check for technical service bulletins and software update campaigns for the TPM module and gateway on this vehicle
- 3 Inspect TPM module connectors and data bus wiring for corrosion, chafing, or loose pins
- 4 Perform the manufacturer's module configuration or coding procedure to align the TPM software with the vehicle
- 5 Reprogram or reflash the TPM module with the correct software calibration using a factory-capable scan tool
- 6 If programming fails or the module is incorrect for the build, replace the TPM module with the correct part and program it
- 7 Clear codes, perform a road test, and confirm the TPMS warning light stays off and pressure readings display

Why a TPM software mismatch is not a tire fault

- This code is set by a software handshake failure, so replacing tire pressure sensors will not fix it and is a common wasted repair.
- A battery that was disconnected or run low during a module replacement can leave the TPM module with incomplete configuration data that triggers U0330.
- Aftermarket or salvage TPM modules frequently carry firmware from a different model year or trim, which the gateway rejects as incompatible.
- U0330 can appear after a failed over-the-air or dealer software update even though the TPM module itself is physically healthy.
- The code does not mean the TPM module is dead; it means the software versions do not agree, so programming often resolves it without parts.

Can I keep driving with U0330?

The vehicle remains safe to drive because U0330 affects tire pressure monitoring software, not braking, steering, or engine control. Drive normally but check tire pressures manually with a gauge until the TPMS is restored, since the system cannot warn you of a slow leak.

Tools that help

- Factory-capable scan tool with module programming and configuration capability
- Digital multimeter for battery voltage and ground checks
- Battery charger or power supply to maintain voltage during programming
- Tire pressure gauge for manual pressure verification
- Trim removal tools for accessing the TPM module and connectors



Reading U0330

- U** Network: communication between the vehicle's control modules.
- 0** Generic (SAE) code: it means the same thing on every OBD-II vehicle.
- 3** Software and configuration mismatches.
- 30** The exact fault within that area.

Often seen with

C0750 Cruise Control Brake Switch · **U0127** Lost Communication With Tire Pressure Monitor Module · **U0140** Lost Communication With Instrument Panel Cluster · **U0155** Lost Communication With Body Control Module · **U3000** Control Module

See it working

Watch the animated explainer [How a Starter Motor Works: Pre-Engaged Starter](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/u0330/>

