

Tire Pressure Warning System (TPWS) Activation

Service
Category General

Section Pre-Delivery Service

Market USA

Toyota Supports
ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2014	4Runner	

Introduction

2014 model year 4Runner vehicles are equipped with a direct-type Tire Pressure Warning System (TPWS). Each tire (excluding the spare tire) has a tire pressure warning valve/sensor, and the measured tire pressure data is transmitted to the Tire Pressure Warning System antenna/receiver to the Tire Pressure Warning System ECU.

During Pre-Delivery Service (PDS), the tire pressure warning valves/sensors must be activated according to the procedure in this bulletin.

Required Tools & Equipment

REQUIRED EQUIPMENT	SUPPLIER	PART NUMBER	QTY
Techstream 2.0*	ADE	TS2UNIT	1
TIS Techstream		TSPKG1	
Techstream Lite		TSLITEDLR01	

* Essential SST.

NOTE

- Only ONE of the Techstream units listed above is required.
- Software version 8.20.019 or later is required.
- Additional Techstream units may be ordered by calling Approved Dealer Equipment (ADE) at 1-800-368-6787.

Warranty Information

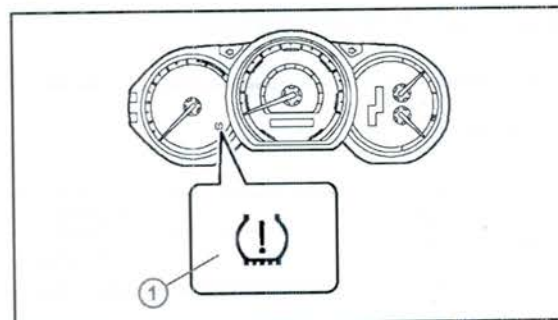
OP CODE	DESCRIPTION	TIME	OFP	T1	T2
N/A	Not Applicable to Warranty	—	—	—	—

Tire Pressure Warning System (TPWS) Activation

Reference

- After cycling the ignition to the "IG-ON" position, the Low Tire Pressure Warning Light will blink for 1 minute and remain illuminated until all the tire pressure warning valves/sensors are activated.
- The Diagnostic Trouble Codes (DTCs) listed below may be stored in the TPWS ECU until the tire pressure warning valves/sensors are activated.
- The DTCs will automatically clear when the tire pressure warning valves/sensors are activated.

Figure 1.



1 Low Tire Pressure Warning Light

DTC NO. *1	DTC NO. *2	DTC
11	C2111	Transmitter ID1 Operation Stop
12	C2112	Transmitter ID2 Operation Stop
13	C2113	Transmitter ID3 Operation Stop
14	C2114	Transmitter ID4 Operation Stop

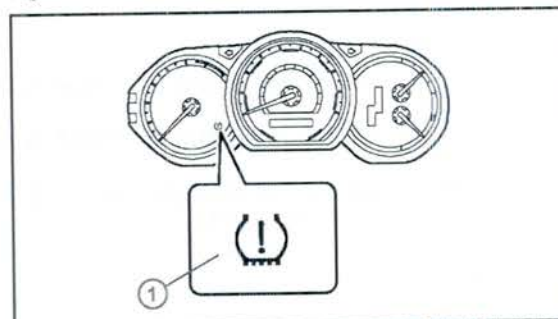
*1: DTC No. indicated by blinking of the Low Tire Pressure Warning Light.

*2: DTC No. indicated on Techstream.

Activation Procedure

1. Connect Techstream.
2. Cycle the ignition switch to the "IG-ON" position and check that the Low Tire Pressure Warning Light blinks for 1 minute and then remains illuminated.

Figure 2.



1 Low Tire Pressure Warning Light

Tire Pressure Warning System (TPWS) Activation

Activation Procedure (Continued)

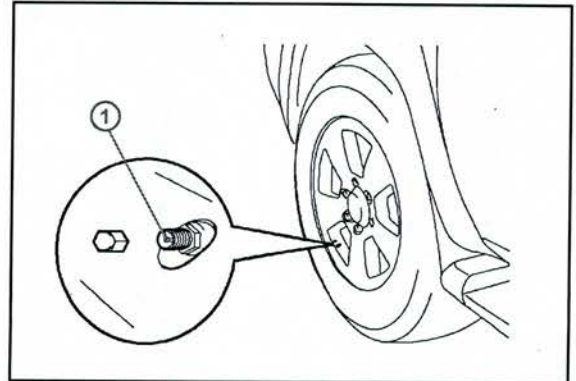
3. Press or remove the valve core to reduce the tire inflation pressure rapidly by 6 psi (0.4 kgf/cm², 40 kPa), or more, within 30 seconds.

If the tire inflation pressure is NOT reduced by 6 psi (0.4 kgf/cm², 40 kPa), or more, within 30 seconds, the tire pressure warning valves/sensors will NOT be activated.

NOTE

This operation is required for the system to be activated and must be performed for each tire (excluding the spare tire), one at a time.

Figure 3.



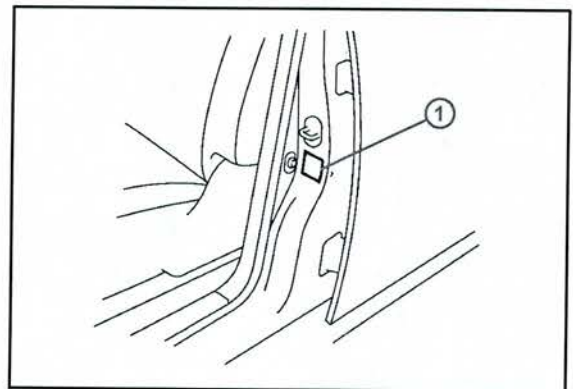
1 Core

4. Using Techstream, check for TPWS DTCs.
 - If NO DTCs are stored, go to step 5.
 - If DTCs C2111 – C2114 are stored, repeat step 3.
 - If any other DTCs are stored, refer to the Repair Manual.
5. Adjust all tires (excluding the spare tire) to the standard tire inflation pressure as indicated on the Tire and Loading Information label located inside the driver's door jamb.

NOTE

To adjust the tire pressure correctly when the outside temperature is significantly colder than shop temperature, perform a Health Check using Techstream and select the "Compensation Tire Pressure" checkbox. Compensation pressures will be displayed on the Health Check results screen. Adjust the tire pressure when the tires are cold.

Figure 4.



1 Tire and Loading Information Label

6. Confirm that the Low Tire Pressure Warning Light is OFF.