


Tire Pressure Warning System Activation & Initialization

Service Category General

Section Pre-Delivery Service

Market USA

Lexus Supports
ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2014	LX570	

Introduction

2014 model year LX 570 vehicles are equipped with a direct-type Tire Pressure Warning System (TPWS). Each tire (including the spare tire) has a tire pressure warning valve/sensor that measures tire pressure. The data is transmitted to the Tire Pressure Warning System antenna/receiver and then to the Tire Pressure Warning System ECU.

During Pre-Delivery Service (PDS), the tire pressure warning valves/sensors must be activated and the system initialized 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

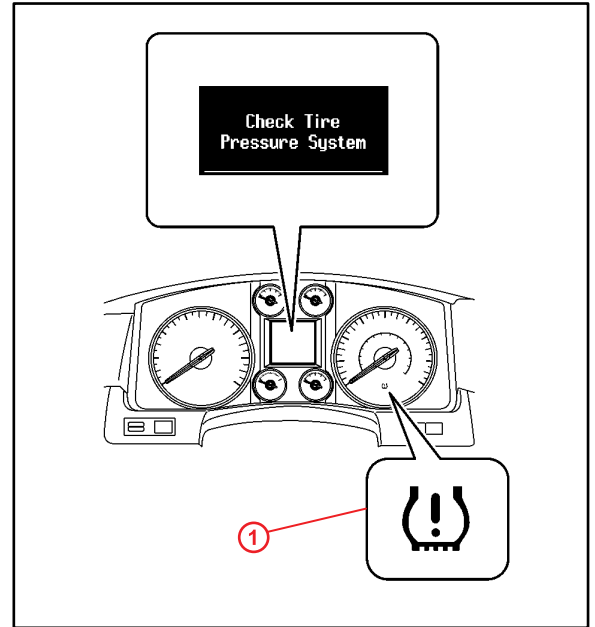
OP CODE	DESCRIPTION	TIME	ONP	T1	T2
N/A	Not Applicable to Warranty	—	—	—	—

Tire Pressure Warning System Activation & Initialization

Reference

- After cycling the engine switch to the "IG-ON" position, the Low Tire Pressure Warning Light will blink for 1 minute and then remain illuminated until all the tire pressure warning valves/sensors are activated.
- The Diagnostic Trouble Codes (DTCs) listed below are stored in the TPWS ECU until the tire pressure warning valves/sensors are activated.
- The multi-information display will read "Check Tire Pressure System" until all tire pressure warning values/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
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DTC *1	DTC *2	DTC
11	C2111	Transmitter ID1 Inactive
12	C2112	Transmitter ID2 Inactive
13	C2113	Transmitter ID3 Inactive
14	C2114	Transmitter ID4 Inactive
15	C2115	Transmitter ID5 Inactive

*1: Indicated by flashing of the Low Tire Pressure Warning Light.

*2: Indicated on Techstream.

Tire Pressure Warning System Activation & Initialization

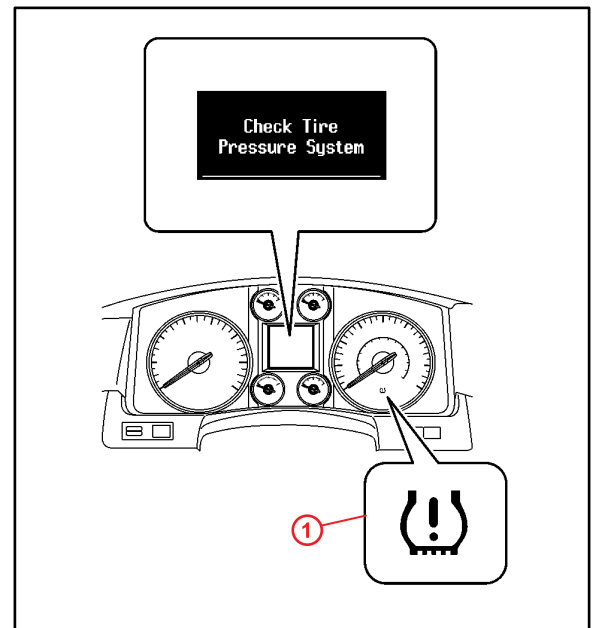
Activation Procedure

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

NOTE

"Check Tire Pressure System" is displayed on the multi-information display until all tire pressure warning valves/sensors are activated.

Figure 2.



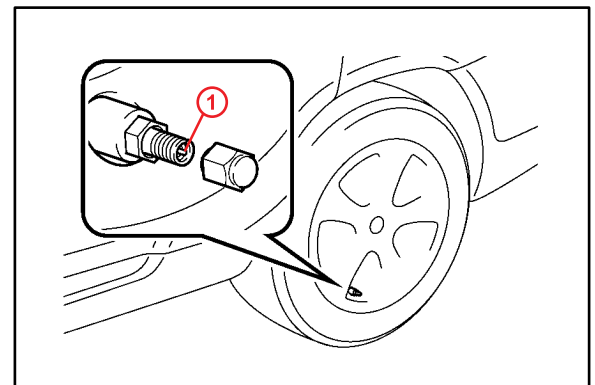
1 Low Tire Pressure Warning Light

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.

NOTE

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

Figure 3.



1 Core

Tire Pressure Warning System Activation & Initialization

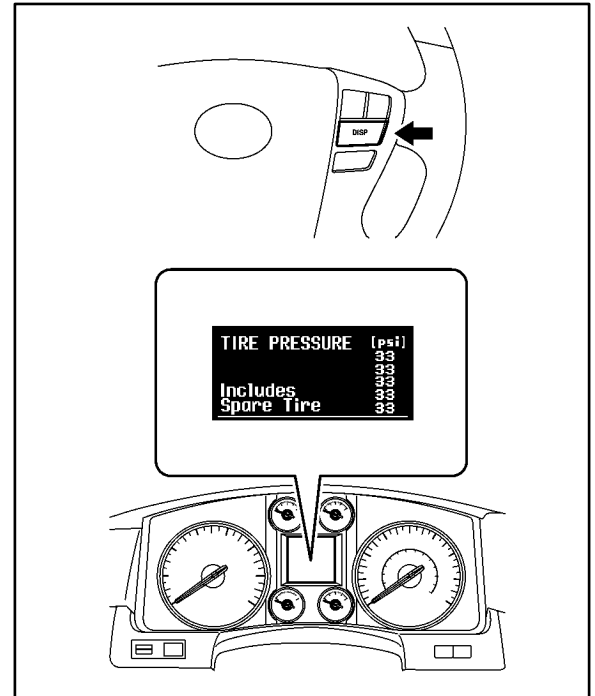
Activation Procedure (Continued)

- Press the "DISP" switch on the steering wheel and check that the tire pressures of all 5 tires are displayed on the multi-information display.

NOTE

- The tire pressure display is **NOT** shown until all tire pressure warning valve/sensors are activated.
- If "Check Tire Pressure System" or "CHECKING" (which means the tire pressures are being measured) is displayed, repeat step 3. If after repeating step 3 the tire pressures are still **NOT** displayed, lift the vehicle and turn each tire 90 to 270 degrees. Then repeat step 3.
- If the above steps are performed and the multi-information display does **NOT** show the tire pressures, refer to the Repair Manual.

Figure 4.



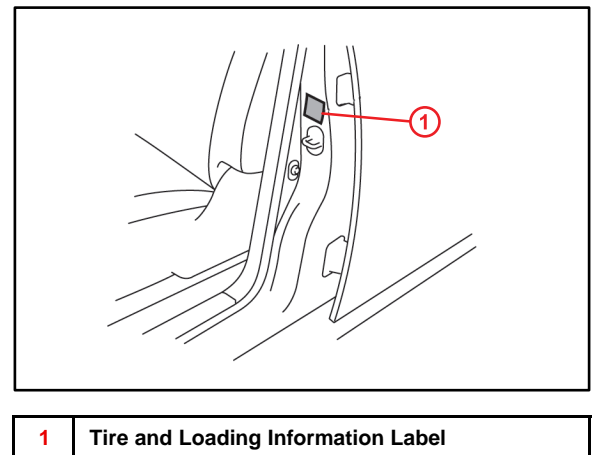
Initialization Procedure

- Adjust all tires (including the spare tire) to the standard tire inflation pressure, as indicated on the Tire and Loading Information Label located in the vehicle.

NOTE

- To adjust tire pressure correctly when 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 5.



1 | Tire and Loading Information Label

Tire Pressure Warning System Activation & Initialization

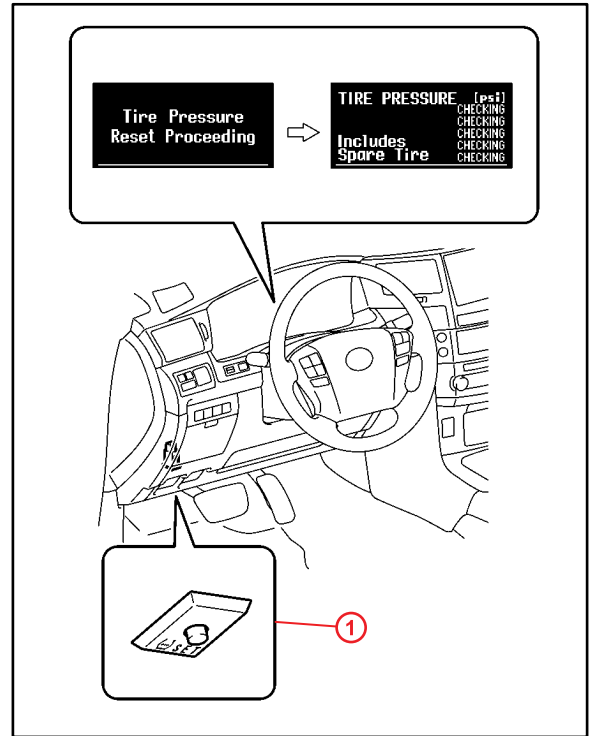
Initialization Procedure (Continued)

2. Cycle the ignition switch to the "IG-ON" mode and then push and hold the Tire Pressure Warning "SET" switch for 3 seconds until the Low Tire Pressure Warning Light blinks 3 times and then turns OFF to set the tire pressure initialization.

Figure 6.

NOTE

- Make sure that "Tire Pressure Reset Proceeding" appears on the multi-information display. After a few seconds, the display will change to "CHECKING" (which means the tire pressures are being measured).
- It is necessary for the ignition to be in the "IG-ON" mode AT LEAST 5 minutes for initialization to complete correctly.



1 Tire Pressure Warning "SET" Switch

3. Cycle the ignition switch to the "OFF" position and then to the "IG-ON" position
4. Check that the tire pressures for all 5 tires are displayed on the multi-information display.

If the tire pressure values are NOT displayed on the multi-information display, the initialization is NOT complete. Repeat steps 2–4.

NOTE

- Check that the tire pressure adjusted in step 1 is displayed.
- Initialization will be completed if signals are received from all 5 tires. It takes 2 to 3 minutes to display the tire pressure data.

Figure 7.

