


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
2009	LS460	

Introduction

2009 model year LS 460 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 according to the procedure in this bulletin.

Required Tools & Equipment

REQUIRED EQUIPMENT	SUPPLIER	PART NUMBER	QTY
TIS Techstream* NOTE: Software version 3.01.000 or later is required.	ADE	TSPKG1	1

* Essential SST.

NOTE

Additional TIS Techstream units may be ordered by calling Approved Dealer Equipment (ADE) at 1-800-368-6787.

Warranty Information

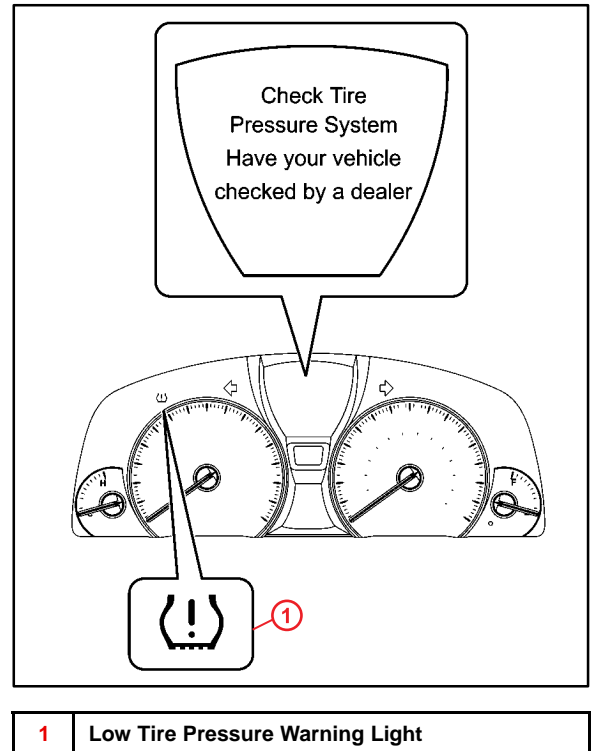
OP CODE	DESCRIPTION	TIME	OFP	T1	T2
N/A	Not Applicable to Warranty	–	–	–	–

Tire Pressure Warning System Activation & Initialization

Reference

- The Low Tire Pressure Warning Light will blink for one 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”.
- The “Check Tire Pressure System” on the multi-information display will disappear when the tire pressure warning valve/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 *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 TIS techstream.

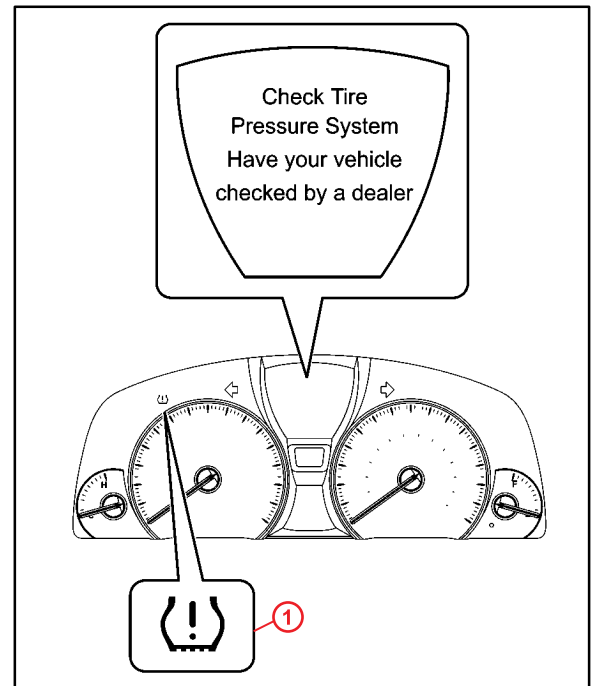
Tire Pressure Warning System Activation & Initialization

Activation Procedure

1. Connect TIS Techstream.
2. Push the ENGINE START STOP button until the vehicle is in the "IG-ON" mode and check that the Low Tire Pressure Warning Light blinks for 1 minute and then remains illuminated.

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

Figure 2.

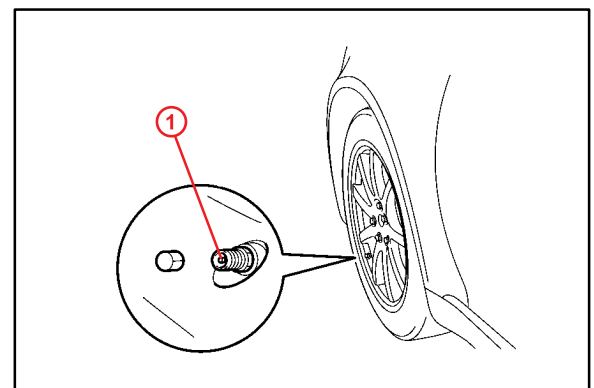


1 Low Tire Pressure Warning Light

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

4. Using TIS Techstream, check for TPWS DTCs.
 - If NO DTCs are stored, go to step 5.

Tire Pressure Warning System Activation & Initialization

Activation Procedure (Continued)

- If DTCs C2111 – C2115 are stored, repeat step 3.

HINT

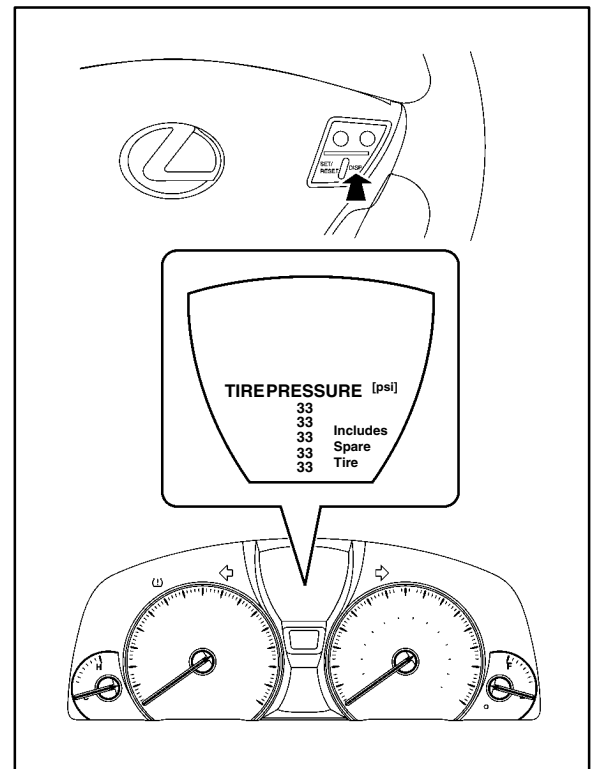
If the tire inflation pressure is **NOT** reduced by 6 psi (0.4 kgf/cm², 40 kPa), or more, within 30 seconds, the tire pressure warning valves/sensors will **NOT** be activated and DTCs C2111 – C2114 will be stored in the TPWS ECU.

5. Press the “DISP” switch on the steering wheel and check that the tire pressures of all 5 tires is 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 step 3 is performed and the tire pressures are still **NOT** displayed, turn the tires 90 to 270 degrees.
- If the above steps are performed and the multi-information display does **NOT** show the tire pressures, refer to the Repair Manual.

Figure 4.



Tire Pressure Warning System Activation & Initialization

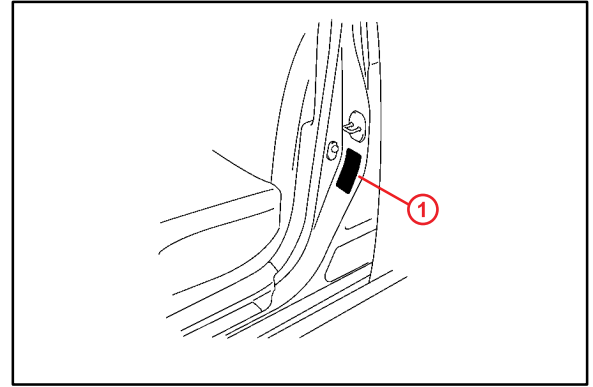
Initialization Procedure

1. Adjust all tires (including 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

- If there is great difference between the current temperature of the tire and wheel (for example: shop temperature) and expected temperature (for example: outdoor temperature), this needs to be considered when adjusting the tire pressure.
- Adjust the tire pressure when the tires are cold.

Figure 5.



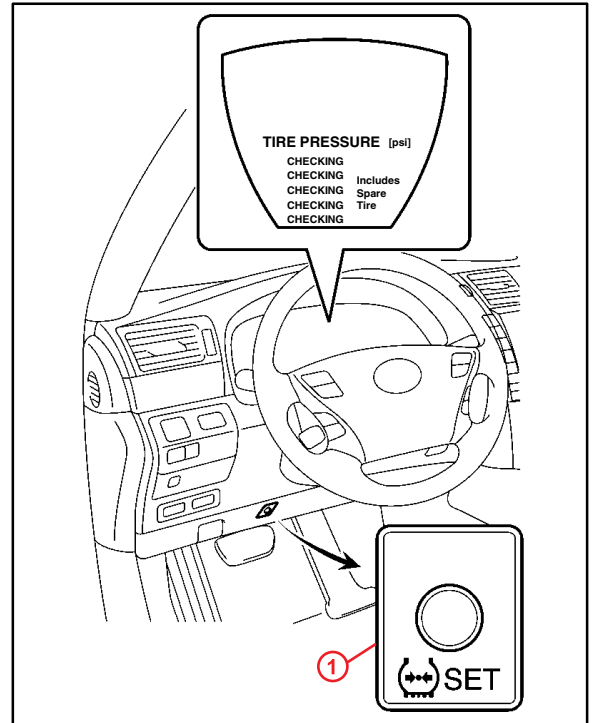
1 Tire and Loading Information Label

2. Push the ENGINE START STOP button until the vehicle is in 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.

NOTE

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

Figure 6.



1 Tire Pressure Warning "SET" Switch

3. Cycle the ignition switch "OFF" and then to "IG-ON"

Tire Pressure Warning System Activation & Initialization

Initialization Procedure (Continued)

4. Check that the tire pressures for all 5 tires is 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 1-4.

NOTE

- Check that the tire pressure adjusted in step 6 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.

