

Tire Pressure Warning System Activation

Service Category General

Section Pre-Delivery Service

Market USA

Lexus Supports
ASE Certification 

Applicability

| YEAR(S) | MODEL(S) | ADDITIONAL INFORMATION |
|---------|----------|------------------------|
| 2018 | GX460 | |

Introduction

2018 model year GX 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.

Warranty Information

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

Required Tools & Equipment

| REQUIRED EQUIPMENT | SUPPLIER | PART NUMBER | QTY |
|-------------------------------|----------|--------------|-----|
| Techstream 2.0* | ADE | TS2UNIT | 1 |
| Techstream Lite | | TSLITEPDLR01 | |
| Techstream Lite (Green Cable) | | TSLP2DLR01 | |

* Essential SST.

NOTE

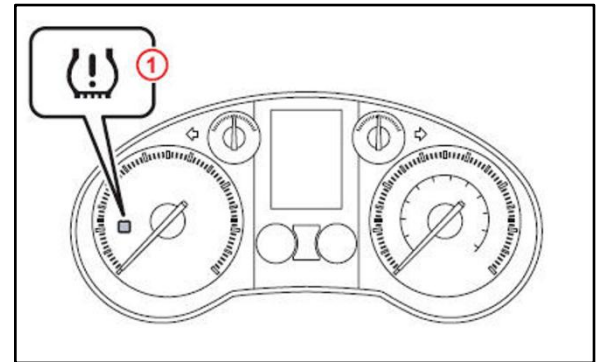
- Only ONE of the Techstream units listed above is required.
- Software version 12.10.018 or later is required.
- Additional Techstream units may be ordered by calling Approved Dealer Equipment (ADE) at 1-800-368-6787.

Tire Pressure Warning System Activation

Initialization Procedure

- AFTER cycling the ignition to the "IG-ON" position, the Low Tire Pressure Warning Light will blink for one 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 EXPLANATION |
|------------|------------|--------------------------------|
| 11 | C2111 | Transmitter ID1 Operation Stop |
| 12 | C2112 | Transmitter ID2 Operation Stop |
| 13 | C2113 | Transmitter ID3 Operation Stop |
| 14 | C2114 | Transmitter ID4 Operation Stop |
| 15 | C2115 | Transmitter ID5 Operation Stop |

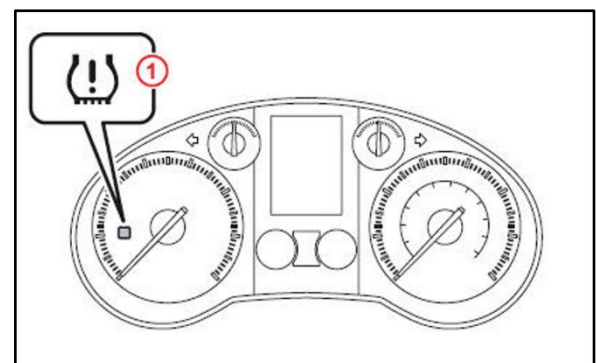
*1: DTC No. indicated by blinking of the Low Tire Pressure Warning Light.

*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 one minute, and then remains illuminated.

Figure 2.



1 Low Tire Pressure Warning Light

Tire Pressure Warning System Activation

Activation Procedure (Continued)

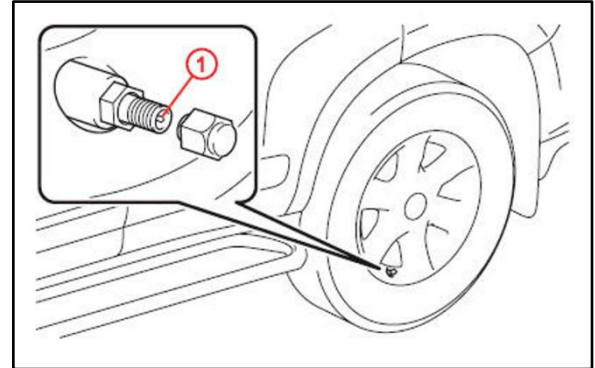
3. Press or remove the valve core to reduce the tire inflation pressure rapidly by 6 psi (0.4 kgf/cm², 40 kPa), or more within 30 seconds.

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 activate.

NOTE

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

Figure 3.



| | |
|----------|------|
| 1 | Core |
|----------|------|

4. Using Techstream, check for TPWS DTCs.
 - If NO DTCs are stored, continue to step 5.
 - If DTCs C2111 – C2115 are stored, repeat step 3.
5. Adjust ALL tires (including the spare tire) to the standard tire inflation pressure as indicated on the Tire and Loading Information label on the vehicle. Confirm that the Low Tire Pressure Warning Light is OFF.

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.