



**Technical Service
BULLETIN**

July 17, 2007

Title:

**TIRE PRESSURE WARNING
VALVE/SENSOR ACTIVATION**

Models:

'08 FJ Cruiser


**PRE-DELIVERY SERVICE
PD092-07**

Introduction 2008 model year FJ Cruiser 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, 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.

- Applicable Vehicles**
- 2008 model year **FJ Cruiser** vehicles.

Required Tools & Equipment

REQUIRED EQUIPMENT	SUPPLIER	PART NUMBER	QTY
TIS Techstream* NOTE: Software version 2.10.016 or later is required. 	ADE	TSPKG1	1

* Essential SST.

NOTE:

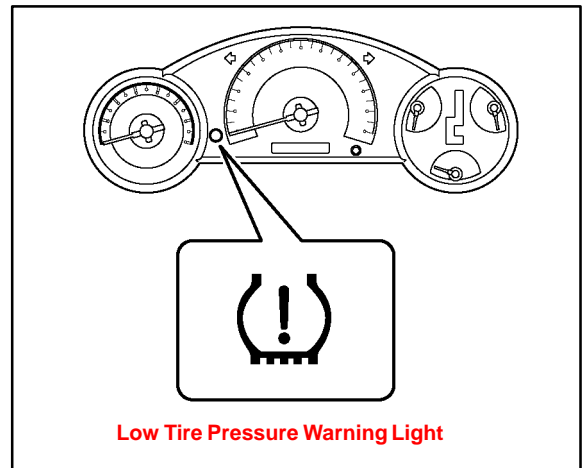
- Additional Techstream units may be ordered by calling Approved Dealer Equipment (ADE) at 1-800-368-6787.
- The Toyota Diagnostic Tester and CAN Interface Module may also be used to perform the service procedures listed in this bulletin.

Warranty Information

OP CODE	DESCRIPTION	TIME	OFF	T1	T2
N/A	Not Applicable to Warranty	-	-	-	-



- Reference**
- The Low Tire Pressure Warning Light will blink 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.

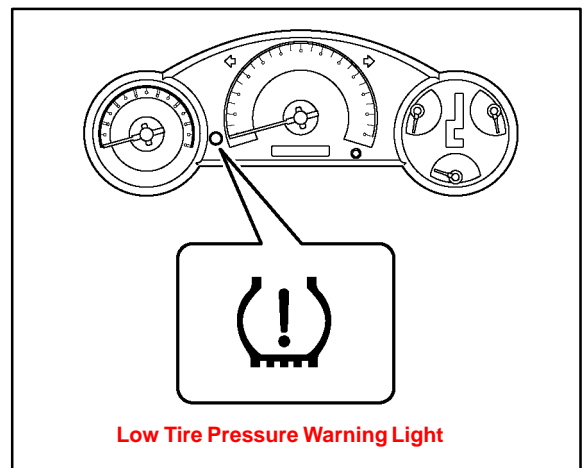


DTC NO. *1	DTC NO. *2	DTC EXPLANATION
11	C2111	Transmitter ID1 Operation Stop (sleep mode)
12	C2112	Transmitter ID2 Operation Stop (sleep mode)
13	C2113	Transmitter ID3 Operation Stop (sleep mode)
14	C2114	Transmitter ID4 Operation Stop (sleep mode)
15	C2115	Transmitter ID5 Operation Stop (sleep mode)

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

*2: DTC No. indicated on TIS Techstream.

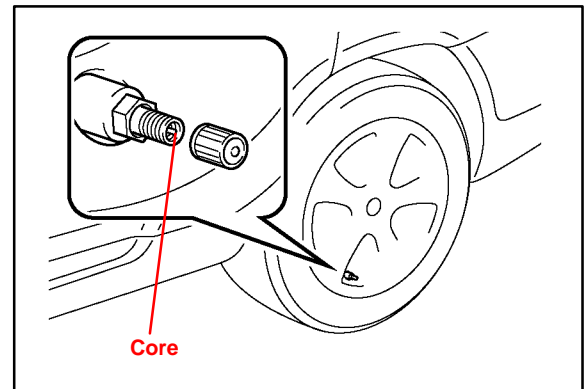
- Activation Procedure**
1. Connect TIS Techstream.
 2. Turn the ignition switch to the “ON” position and check that the Low Tire Pressure Warning Light blinks.



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.

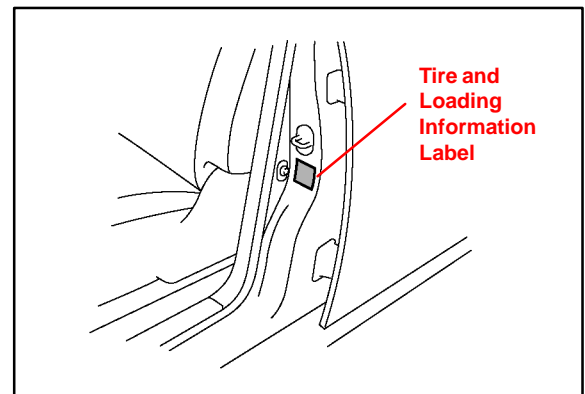
If the tire inflation pressure is NOT reduced by 6 psi (0.4 kgf/cm², 40 kPa), or more, within 30 seconds, the tire pressure warning valves/sensors will NOT be activated.



NOTE:

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

4. Using TIS Techstream, check for TPWS DTCs.
 - If NO DTCs are stored, go 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 located inside the driver's door jamb and confirm that the Low Tire Pressure Warning Light is OFF.



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.

6. Check the tire pressure values of all the tires using TIS Techstream.
TPWS ECU / DATA LIST / TIREPRESS 1–5

NOTE:

If the tire pressure values CANNOT be displayed on the TIS Techstream screen, the initialization is NOT completed. Repeat steps 5 – 6.