



**Technical Service
BULLETIN**

August 29, 2007

Title:

**TIRE PRESSURE WARNING LIGHT
INTERMITTENTLY FLASHING OR "ON"**

Models:

'07 Sienna

SUSPENSION
SU008-07

Introduction Some 2007 model year Sienna vehicle customers may complain of an intermittently flashing Tire Pressure Warning System (TPWS) light that then turns "ON" with one or more of the following DTCs stored in the TPWS ECU:

- C2121 — Transmitter ID1
- C2122 — Transmitter ID2
- C2123 — Transmitter ID3
- C2124 — Transmitter ID4

The TPWS Receiver/Antenna and ECU Assemblies have been modified to correct this condition. Follow the appropriate repair procedures provided in this TSB.

- Applicable Vehicles**
- **2007** model year **Sienna** vehicles produced **BEFORE** the Production Change Effective VINs shown below.

**Production
Change
Information**

REPAIR PROCEDURE	MODEL	DRIVETRAIN	PRODUCTION CHANGE EFFECTIVE VIN
No. 1	Sienna	2WD	5TDZK##C#7S029714
		4WD	5TDBK##C#7S002723
No. 2	Sienna	2WD	5TDZK##C#7S085004
		4WD	5TDBK##C#7S007823

**Warranty
Information**

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
SU7002	R & R Tire Pressure Warning System Receiver/Antenna and ECU Assembly	2.7	89760-08010	8B	71
SU7006	R & R Tire Pressure Warning System ECU Assembly	2.2			

Applicable Warranty*:

This repair is covered under the Toyota Comprehensive Warranty. This warranty is in effect for 36 months or 36,000 miles, whichever occurs first, from the vehicle's in-service date.


* Warranty application is limited to correction of a problem based upon a customer's specific complaint.



**Parts
Information**

PREVIOUS PART NUMBER	CURRENT PART NUMBER	PART NAME	QTY
89760-08010	Same	Tire Pressure Warning System Receiver/Antenna Assembly	1
89769-08010	89769-08011	Tire Pressure Warning System ECU Assembly	1

**Required
Tools &
Equipment**

REQUIRED EQUIPMENT	SUPPLIER	PART NUMBER	QTY
TIS Techstream* NOTE: Software version 2.11.004 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.

Repair
Procedure
No. 1

NOTE:

BEFORE performing Repair Procedure No. 1, ensure that the VIN falls **BEFORE** the Production Change Effective VINs listed for Repair Procedure No. 1 in the Production Change Information table in this TSB.

1. Using TIS Techstream, confirm the condition by checking DTCs C2121 – C2124.
System Select/Tire Pressure Monitor/Trouble Codes
 - If one or more DTCs C2121 – C2124 are present, go to step 2.
 - If other DTCs are present, refer to the Technical Information System (TIS), 2007 model year Sienna Repair Manual, *Suspension – Tire Pressure Monitoring – “Tire And Wheel: Tire Pressure Warning System: Diagnostic Trouble Code Chart”*.
2. Remove and replace the Tire Pressure Warning System Receiver/Antenna and ECU Assemblies (replace with NEW P/N 89760–08010 & 89769–08011).

NOTE:

Before removing the ECU, record all four Tire Pressure Warning Valve/Sensor ID numbers from the Tire Pressure Warning System ECU Data List using TIS Techstream.

Refer to TIS, 2007 model year Sienna Repair Manual:

- *Suspension – Tire Pressure Monitoring – “Tire And Wheel: Tire Pressure Warning Receiver (w/ Antenna): Removal”*
 - *Suspension – Tire Pressure Monitoring – “Tire And Wheel: Tire Pressure Warning Receiver (w/ Antenna): Installation”*
 - *Suspension – Tire Pressure Monitoring – “Tire And Wheel: Tire Pressure Warning ECU: Removal”*
 - *Suspension – Tire Pressure Monitoring – “Tire And Wheel: Tire Pressure Warning ECU: Installation”*
3. Re-initialize any affected power systems.
Refer to TSB No. PD010-07, “*Power System Initialization During PDS*”.
 4. Road test the vehicle for 20 minutes above 5 mph (8 km/h) to confirm that the Tire Pressure Warning Light does NOT come “ON”. If the Tire Pressure Warning Light does come “ON” after 20 minutes of driving, repeat step 1.

NOTE:

If one or more DTCs C2121 – C2124 (Tire Pressure Warning Valve/Sensor ID Numbers Not Found) are stored in the ECU after replacing the Tire Pressure Warning System Receiver/Antenna and ECU Assembly, make sure that the tire pressure warning valve/sensor ID number(s) match the ID number(s) that are registered in the ECU. Refer to TSB No. PG004-06, “Direct-Type Tire Pressure Warning System Diagnostic Tips”.

**Repair
Procedure
No. 2****NOTE:**

BEFORE performing Repair Procedure No. 2, ensure that the VIN falls **BEFORE** the Production Change Effective VINs listed for Repair Procedure No. 2 in the Production Change Information table in this TSB.

1. Using TIS Techstream, confirm the condition by checking DTCs C2121 – C2124.
System Select/Tire Pressure Monitor/Trouble Codes
 - If all DTCs C2121 – C2124 are present, go to step 2.
 - If other DTCs are present, refer to TIS, 2007 model year Sienna Repair Manual, *Suspension – Tire Pressure Monitoring – "Tire And Wheel: Tire Pressure Warning System: Diagnostic Trouble Code Chart"*.
2. Remove and replace the Tire Pressure Warning System ECU Assembly (replace with NEW P/N 89769–08011).

NOTE:

Before removing the ECU, record all four Tire Pressure Warning Valve/Sensor ID numbers from the Tire Pressure Warning System ECU Data List using TIS Techstream.

Refer to TIS, 2007 model year Sienna Repair Manual:

- *Suspension – Tire Pressure Monitoring – "Tire And Wheel: Tire Pressure Warning ECU: Removal"*
 - *Suspension – Tire Pressure Monitoring – "Tire And Wheel: Tire Pressure Warning ECU: Installation"*
3. Re-initialize any affected power systems.
Refer to TSB No. PD010-07, "*Power System Initialization During PDS*".
 4. Road test the vehicle for 20 minutes above 3 mph (5 km/h) to confirm that the Tire Pressure Warning Light does NOT come "ON". If the Tire Pressure Warning Light does come "ON" after 20 minutes of driving, repeat step 1.

NOTE:

If one or more DTCs C2121 – C2124 (Tire Pressure Warning Valve/Sensor ID Numbers Not Found) are stored in the ECU after replacing the Tire Pressure Warning System ECU Assembly, make sure that the tire pressure warning valve/sensor ID number(s) match the ID number(s) that are registered in the ECU. Refer to TSB No. PG004-06, "*Direct-Type Tire Pressure Warning System Diagnostic Tips*".