



**Technical Service
BULLETIN**

December 6, 2005

Title:

**TIRE PRESSURE SENSING TRANSMITTER
ACTIVATION PROCEDURE**

Models:

'06 RAV4

**PRE-DELIVERY SERVICE
PD090-05**

Introduction The 2006 model year RAV4 is equipped with a direct type Tire Pressure Warning System (TPWS). A tire pressure sensing transmitter is built into each tire valve, and the measured tire pressure data is transmitted through a Tire Pressure Warning System antenna to the tire pressure monitoring system receiver.

During Pre-Delivery Service (PDS), the tire pressure sensing transmitters must be activated according to the procedure in this bulletin.

- Applicable Vehicles**
- **2006** model year **RAV4** vehicles.

Reference Information

NOTE:

- After all the tire pressure sensing transmitters are activated, the flashing Low Tire Pressure Warning Light goes OFF.
- The Diagnostic Trouble Codes (DTCs) listed below may be stored in the system until the tire pressure sensing transmitters are activated.
- The codes will automatically clear when the tire pressure sensing transmitters are activated.

DTC *1	DTC *2	DTC
11	C2111	Transmitter ID1 Inactive (Sleep Mode)
12	C2112	Transmitter ID2 Inactive (Sleep Mode)
13	C2113	Transmitter ID3 Inactive (Sleep Mode)
14	C2114	Transmitter ID4 Inactive (Sleep Mode)
15	C2115	Transmitter ID5 Inactive (Sleep Mode)

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



DTC *2: Indicated on the Toyota Diagnostic Tester.

Warranty Information

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



Required SSTs

ITEM NO.	SPECIAL SERVICE TOOLS (SSTs)	PART NUMBER	QTY	DRW**
1	<p>Toyota Diagnostic Tester Kit*</p> <p>NOTE:</p> <ul style="list-style-type: none"> All components from this kit/set are required 12 Megabyte Diagnostic Tester Program Card (P/N 01002593–005) with version 13.2a Software (or later) is required 	TOY220036	1	9
2	<p>CAN Interface Module Kit*</p> <p>NOTE:</p> <ul style="list-style-type: none"> All components from this kit/set are required 	01002744	1	9

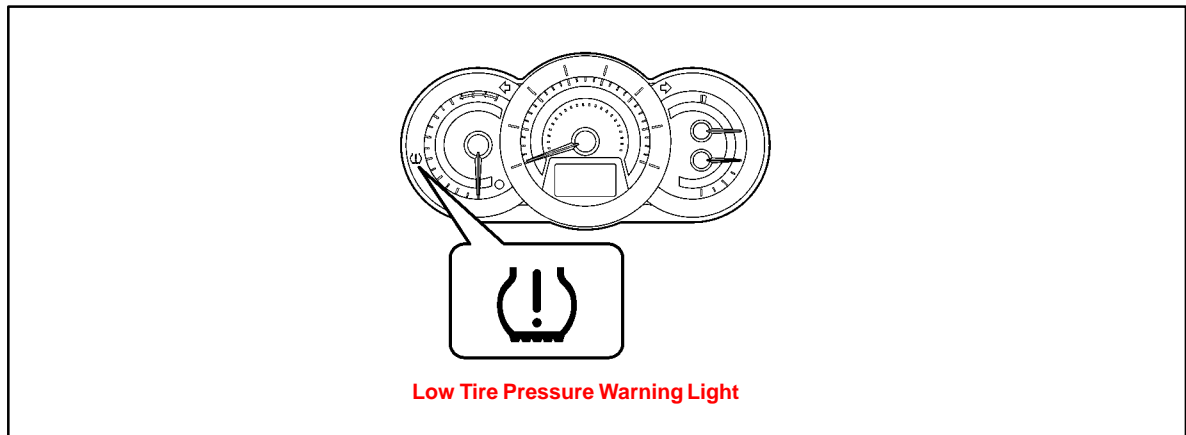
* Essential SSTs.

** Refers to drawer number in SST Storage System.

NOTE:
Additional Diagnostic Tester Kits, CAN Interface Modules, Program Cards, or other SSTs may be ordered by calling SPX/OTC at 1-800-933-8335.

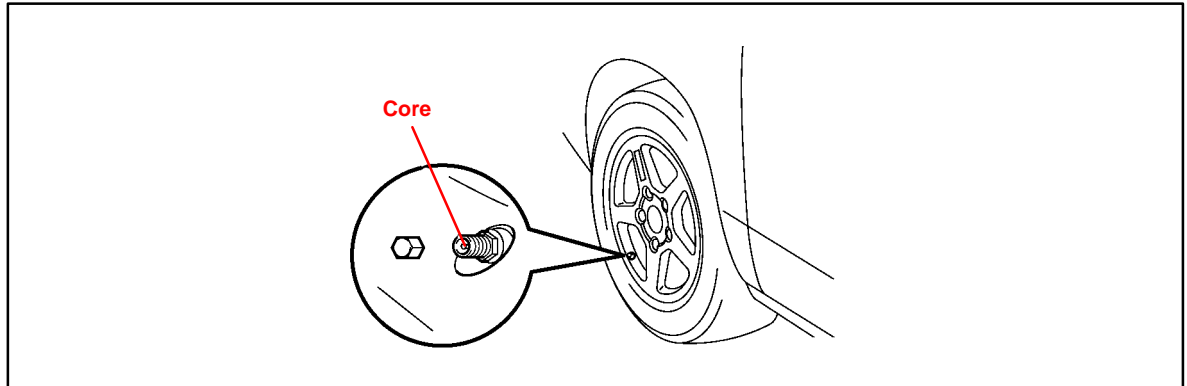
Activation Procedure

1. Turn the ignition switch to the “ON” position and check that the Low Tire Pressure Warning Light blinks.



Activation Procedure
(Continued)

2. Press 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 sensing transmitters will NOT be activated.



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.

Check that the Low Tire Pressure Warning Light goes OFF after all the tire pressure sensing transmitters are activated.

NOTE:

After all tire pressure sensing transmitters are activated, the Low Tire Pressure Warning Light will come ON whenever the tire pressure in any of the tires falls below 24 – 27 psi (1.65 – 1.9 kgm/cm², 165 – 185 kPa).

3. Check that the sleep mode Diagnostic Trouble Codes are NOT stored in the system. If the sleep mode Diagnostic Trouble Codes are stored, increase the tire inflation pressure of all 5 tires to 44 psi (3.0 kgm/cm², 300 kPa) and repeat steps 1 – 3.
4. If the Low Tire Pressure Warning Light comes ON, increase the tire inflation pressure to 32 psi (2.2 kgm/cm², 220 kPa) and check that the warning light goes OFF.
5. Adjust the tire pressure to the specified level as indicated on the tire and loading information label on the vehicle. Check that the Low Tire Pressure Warning Light is OFF.

HINT:

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

