

REMINDER INDICATOR RESET PROCEDURES

Toyota

ENGINE OIL CHANGE REMINDER LIGHT

NOTE: To determine the appropriate reset procedure, refer to **ENGINE OIL CHANGE REMINDER LIGHT RESET INDEX**. Only vehicles listed in this index have an Engine Oil Change Reminder Light reset.

ENGINE OIL CHANGE REMINDER LIGHT RESET INDEX

Model & Year	Reset Procedure
4Runner	
2003-09	<u>Engine Oil Change Reminder Light Reset - Procedure 3</u>
2010-14	<u>Engine Oil Change Reminder Light Reset - Procedure 1</u>
Avalon	
2005-14	<u>Engine Oil Change Reminder Light Reset - Procedure 1</u>
Camry	
2004-06	<u>Engine Oil Change Reminder Light Reset - Procedure 3</u>
2007-14	<u>Engine Oil Change Reminder Light Reset - Procedure 2</u>
Camry Hybrid	
2007-11	<u>Engine Oil Change Reminder Light Reset - Procedure 8</u>
2012-14	<u>Engine Oil Change Reminder Light Reset - Procedure 2</u>
Camry Solara	
2004-06	<u>Engine Oil Change Reminder Light Reset - Procedure 3</u>
2007-08	<u>Engine Oil Change Reminder Light Reset - Procedure 4</u>
Corolla	
2005-08	<u>Engine Oil Change Reminder Light Reset - Procedure 3</u>
2009-14	<u>Engine Oil Change Reminder Light Reset - Procedure 4</u>
FJ Cruiser	
2007-14	<u>Engine Oil Change Reminder Light Reset - Procedure 3</u>
Highlander	
2004-07	<u>Engine Oil Change Reminder Light Reset - Procedure 3</u>
2008-13	<u>Engine Oil Change Reminder Light Reset - Procedure 2</u>
2014	<u>Engine Oil Change Reminder Light Reset - Procedure 12</u>
Highlander Hybrid	
2006-07	<u>Engine Oil Change Reminder Light Reset - Procedure 5</u>
2008-13	<u>Engine Oil Change Reminder Light Reset - Procedure 2</u>
2014	<u>Engine Oil Change Reminder Light Reset - Procedure 12</u>
Land Cruiser	
2003-07	<u>Engine Oil Change Reminder Light Reset - Procedure 6</u>
2008-11	<u>Engine Oil Change Reminder Light Reset - Procedure 4</u>

2013-14	<u>Engine Oil Change Reminder Light Reset - Procedure 10</u>
Matrix	
2005-08	<u>Engine Oil Change Reminder Light Reset - Procedure 3</u>
2009-13	<u>Engine Oil Change Reminder Light Reset - Procedure 4</u>
Previa	
1991-97	<u>Engine Oil Change Reminder Light Reset - Procedure 7</u>
Prius (All Models Except C)	
2004-09	<u>Engine Oil Change Reminder Light Reset - Procedure 3</u>
2010-14	<u>Engine Oil Change Reminder Light Reset - Procedure 9</u>
Prius C	
2012-14	<u>Engine Oil Change Reminder Light Reset - Procedure 11</u>
RAV4	
2004-05	<u>Engine Oil Change Reminder Light Reset - Procedure 3</u>
2006-14	<u>Engine Oil Change Reminder Light Reset - Procedure 4</u>
Sequoia	
2005-07	<u>Engine Oil Change Reminder Light Reset - Procedure 3</u>
2008-14	<u>Engine Oil Change Reminder Light Reset - Procedure 2</u>
Sienna	
2004-10	<u>Engine Oil Change Reminder Light Reset - Procedure 3</u>
2011-14	<u>Engine Oil Change Reminder Light Reset - Procedure 2</u>
Tacoma	
2005-11	<u>Engine Oil Change Reminder Light Reset - Procedure 3</u>
2012-14	<u>Engine Oil Change Reminder Light Reset - Procedure 10</u>
Tundra	
2005-06	<u>Engine Oil Change Reminder Light Reset - Procedure 3</u>
2007-14	<u>Engine Oil Change Reminder Light Reset - Procedure 2</u>
Venza	
2009-10	<u>Engine Oil Change Reminder Light Reset - Procedure 4</u>
2011-14	<u>Engine Oil Change Reminder Light Reset - Procedure 10</u>
Yaris	
2007-14	<u>Engine Oil Change Reminder Light Reset - Procedure 4</u>

ENGINE OIL CHANGE REMINDER LIGHT RESET - PROCEDURE 1

NOTE: For all models, before starting reset procedure, switch the display to Trip Meter A while the engine is running.

With Smart Key System

CAUTION: To avoid engine from starting, DO NOT depress brake pedal when selecting modes.

NOTE: On vehicles with smart key system, make sure smart key is in the vehicle. Pressing the "ENGINE START STOP" switch changes the ignition switch mode as follows:

- **First Time - ACC mode (accessories on).**
- **Second Time - ON mode (power on and all accessories on).**
- **Third Time - Power OFF mode (indicator light is off).**

1. Place smart key system in power OFF mode with odometer display showing.
2. Place smart key system in ON mode while holding down trip meter RESET button (stem).
3. Hold trip meter RESET button (stem) down for at least 5 seconds. Odometer should indicate "000000" and MAINT reminder light goes out.

Without Smart Key System

1. Turn ignition switch to OFF position with odometer display showing.
2. Turn ignition switch to ON position while holding down trip meter RESET button (stem).
3. Hold trip meter RESET button (stem) down for at least 5 seconds. Odometer should indicate "000000" and MAINT reminder light goes out.

ENGINE OIL CHANGE REMINDER LIGHT RESET - PROCEDURE 2

NOTE: For all models, before starting reset procedure, switch the display to Trip Meter A while ignition is ON.

To reset MAINT reminder indicator after engine oil change:

1. Set the "ENGINE START STOP" switch or ignition switch OFF with odometer showing TRIP A.
2. While pressing the trip meter reset button (stem), set the "ENGINE START STOP" switch or ignition switch ON.
3.
 - **Without multi-information display:** Continue to press and hold the button (stem) until the trip meter displays "000000".
 - **With multi-information display:** Continue to press and hold the button (stem) until "COMPLETE" (on some models, "RESETTING MAINTENANCE DATA") appears on the multi-information display.

ENGINE OIL CHANGE REMINDER LIGHT RESET - PROCEDURE 3

To reset MAINT reminder indicator after engine oil change:

1. With ignition or POWER switch ON, press the ODO / TRIP switch until odometer displays "ODO".
2. Turn ignition or POWER switch to OFF position with odometer display showing.
3. Turn ignition POWER switch to ON position while holding down trip meter RESET button.

4. Hold trip meter RESET button down for at least 5 seconds. Odometer should indicate "000000", and MAINT reminder light goes out.

NOTE: **On some models, before the light goes off, light will illuminate for 3 seconds, flash for 2 seconds and illuminate for 1 second.**

5. If system fails to reset, light will remain flashing.

ENGINE OIL CHANGE REMINDER LIGHT RESET - PROCEDURE 4

To reset MAINT reminder indicator after engine oil change:

1. With the ignition switch (or Power switch) ON, ensure the odometer is showing TRIP A. Turn ignition (or Power) switch OFF.
2. Set the ignition switch (or Power switch) to ON position (DO NOT start engine) while holding down trip meter RESET (DISP on some models) button.
3. Hold trip meter RESET button down for at least 5 seconds until odometer indicates 000000.
4. When 000000 disappears and the indicator light turns off, the reset is complete.

ENGINE OIL CHANGE REMINDER LIGHT RESET - PROCEDURE 5

To reset MAINT reminder indicator after engine oil change:

1. Turn ignition key to LOCK position with odometer display showing.
2. Turn ignition key to ON position while holding down on trip meter reset knob. A message MAINT REQD RESET MODE will appear on display.
3. Hold trip meter knob for at least 5 seconds. A message COMPLETE will appear and beep will be heard.
4. If system fails to reset, repeat reset procedure.

ENGINE OIL CHANGE REMINDER LIGHT RESET - PROCEDURE 6

To reset MAINT reminder indicator after engine oil change:

1. Turn ignition switch to OFF position with odometer display showing.
2. Turn ignition switch to ON position while holding down ODO/TRIP reset button on instrument cluster.
3. Hold down reset button until MAINT REQD light goes off. Before MAINT REQD light goes off, it will illuminate for 3 seconds, flash for 2 seconds, illuminate again for one second.
4. If system fails to reset, MAINT REQD light will remain flashing.

ENGINE OIL CHANGE REMINDER LIGHT RESET - PROCEDURE 7

After changing oil and filter, reset warning light mileage counter.

NOTE: **Reset mileage counter after oil and filter change even if light has not come on.**

1. Remove plug from instrument panel faceplate below speedometer.
2. Insert a small punch or rod through plug hole and depress knob. See **Fig. 1**.

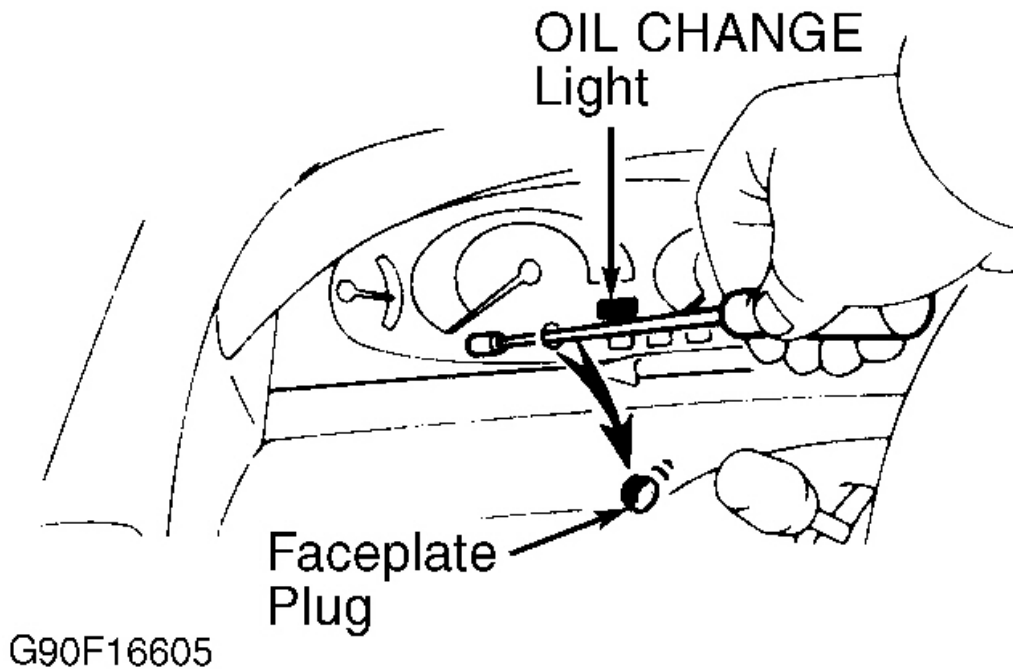


Fig. 1: Identifying Engine Oil Change Indicator Light Reset Button (Previa)
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

ENGINE OIL CHANGE REMINDER LIGHT RESET - PROCEDURE 8

To reset MAINT reminder indicator after engine oil change:

1. Turn off the hybrid system with odometer showing TRIP A.
2. While holding down the trip meter reset knob, turn the POWER switch to ON mode. A message "MAINT REQD RESET MODE" will appear on the display.
3. Hold down the knob for at least 5 seconds. When "MAINT REQD RESET MODE COMPLETE" disappears and the master caution indicator light turns off, the reset is complete.

ENGINE OIL CHANGE REMINDER LIGHT RESET - PROCEDURE 9

To reset MAINT reminder indicator after engine oil change:

1. Switch the odometer display to TRIP A with the POWER switch ON.

2. Turn the POWER switch OFF.
3. Turn the POWER switch ON with the km/h MPH button (upper left on center console) held down.
4. Keep pressing the km/h MPH button until the odometer indicates 000000 and the multi-information display indicates that the reset is complete.

ENGINE OIL CHANGE REMINDER LIGHT RESET - PROCEDURE 10

To reset MAINT reminder indicator after engine oil change:

1. Switch the odometer display to TRIP A while the engine is running.
2. Set the "ENGINE START STOP" (or ignition) switch to OFF.
3. While pressing the trip meter reset button, set the "ENGINE START STOP" (or ignition) switch to ON mode (DO NOT start the engine). Continue to press and hold the button until the odometer displays 000000, or the multi-information display indicates that the reset is complete.

NOTE: For Tacoma models, there is a significant difference between the reset procedure in the owner's manual (used above) and the instructions given in the Toyota service information. The owner's manual is considered to be more reliable for this type procedure, but in the event that the service information is correct, it is this:

- a. Turn the ignition switch to ON.
- b. Set the ODO/TRIP indication to ODO.
- c. While pressing the reset switch, turn the ignition switch OFF and ON again.
- d. Press the reset switch for more than 5 seconds.

NOTE: If the system fails to reset, the warning light will continue flashing.

ENGINE OIL CHANGE REMINDER LIGHT RESET - PROCEDURE 11

To reset MAINT reminder indicator after engine oil change:

1. With the Engine switch (or Power switch) ON, ensure the odometer is displayed. Turn Engine (or Power) switch OFF.
2. Turn the Engine (or Power) switch to the ON position. The multi-information display's initial screen will be displayed for a few seconds. While the initial screen is being displayed, press the TRIP button on the steering wheel 3 times, holding the button down on the third press.
3. Continue to press and hold the button until the trip meter displays 000000.

ENGINE OIL CHANGE REMINDER LIGHT RESET - PROCEDURE 12

Using Trip Meter (Monochrome Multi-information Display)

1. Turn ignition ON.
2. Press the ODO/TRIP switch knob until the TRIP A meter appears.
3. Turn the ignition switch OFF.
4. Turn the ignition switch to ON while pressing and holding the ODO/TRIP switch knob. Hold the ODO/TRIP switch knob until TRIP A meter shows "000000" and the multi-information display shows that the reset is complete.

Using Multi-information Display (Color Display)

1. Turn the ignition switch to ON.
2. Using the steering pad switch assembly, display the SETTING display on the multi-information display.
3. Select MAINTENANCE SYSTEM from the setting display and perform initialization according to the multi-information display.
4. "Initialization Completed" will be displayed on the multi-information display when the reset procedure has finished.

OXYGEN SENSOR WARNING LIGHT

NOTE: To determine the appropriate reset procedure, refer to **OXYGEN SENSOR WARNING LIGHT RESET INDEX**. Only vehicles listed in this index have an Oxygen Sensor Warning Light reset.

OXYGEN SENSOR WARNING LIGHT RESET INDEX

Model & Year	Reset Procedure
Corolla	
1980-81	<u>Oxygen Sensor Warning Light Reset - Procedure 1</u>
Corona	
1980-81	<u>Oxygen Sensor Warning Light Reset - Procedure 1</u>
Cressida	
1980-81	<u>Oxygen Sensor Warning Light Reset - Procedure 1</u>
Land Cruiser	
1980-81	<u>Oxygen Sensor Warning Light Reset - Procedure 1</u>
Pickup	
1980-81	<u>Oxygen Sensor Warning Light Reset - Procedure 1</u>
Supra	
1980-81	<u>Oxygen Sensor Warning Light Reset - Procedure 1</u>
Tercel	
1980-81	<u>Oxygen Sensor Warning Light Reset - Procedure 1</u>

OXYGEN SENSOR WARNING LIGHT RESET - PROCEDURE 1

1. At 30,000 mile intervals, a mileage counter activates warning light in dash to indicate oxygen sensor must be replaced. After replacing sensor, reset mileage counter.

2. To reset mileage counter, move switch to opposite position. On 1980 Celica Supra, cancel switch (Black) is located on bracket above brake pedal. On Cressida, switch is behind small trim panel next to steering column. On all other models, cancel switch (White) is on top of left kick panel. See **Fig. 2**.

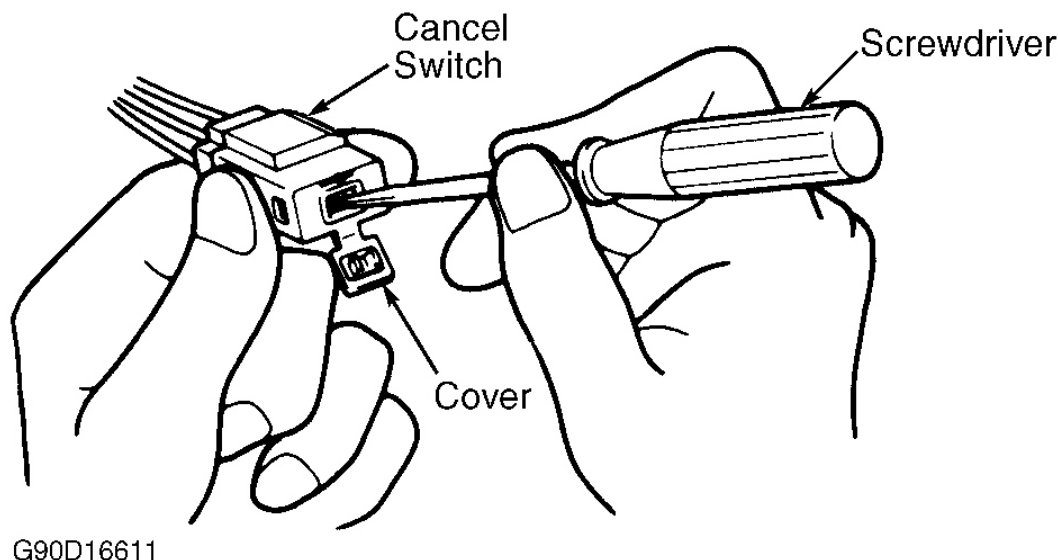


Fig. 2: Resetting Oxygen Sensor Warning Light Counter (1980-81 Models)
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

TIMING BELT REMINDER LIGHT

NOTE: To determine the appropriate reset procedure, refer to **TIMING BELT REMINDER LIGHT RESET INDEX**. Only vehicles listed in this index have a Timing Belt Reminder Light reset.

TIMING BELT REMINDER LIGHT RESET INDEX

Model & Year	Reset Procedure
Pickup (Diesel)	
1981-87	<u>Timing Belt Reminder Light Reset - Procedure 1</u>

TIMING BELT REMINDER LIGHT RESET - PROCEDURE 1

TIMING BELT light will come on every 100,000 miles to indicate engine timing belt should be replaced. After belt is replaced, remove rubber grommet from speedometer bezel and reset speedometer counter by pressing reset switch. See **Fig. 3**.

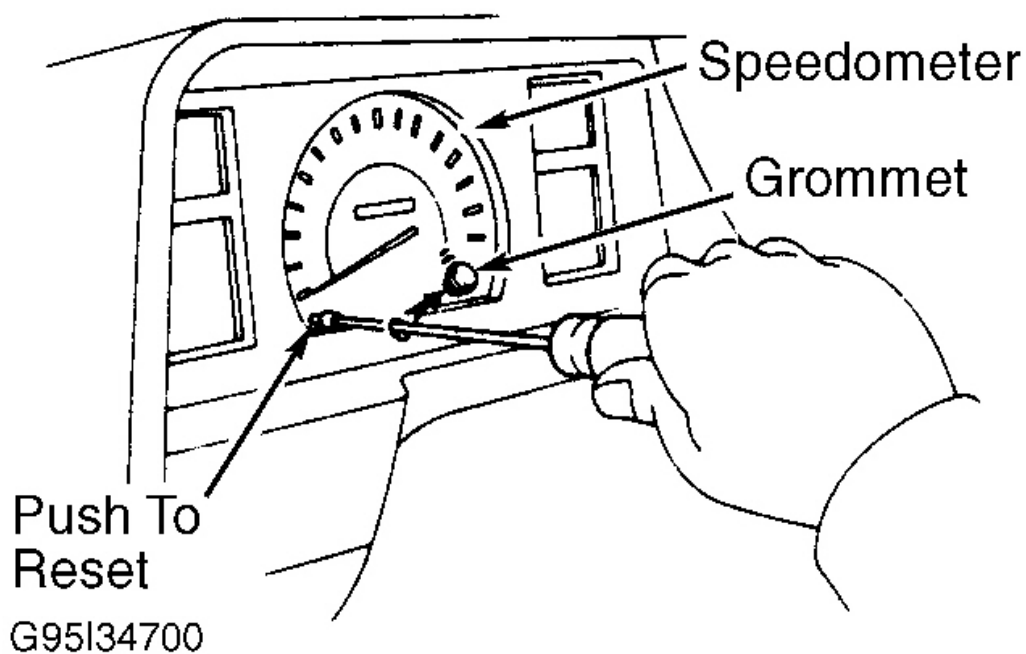


Fig. 3: Resetting Speedometer Counter
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

TIRE PRESSURE MONITOR SYSTEM (TPMS)

NOTE: To determine the appropriate reset procedure, refer to TPMS RESET INDEX. Only vehicles listed in this index have a TPMS reset.

TPMS RESET INDEX

Model & Year	Reset Procedure
4Runner	
2004-07	<u>TPMS Reset - Procedure 15</u>
2008-14	<u>TPMS Reset - Procedure 16</u>
Avalon	
2007	<u>TPMS Reset - Procedure 13</u>
2008-14	<u>TPMS Reset - Procedure 17</u>
Camry	
2007	<u>TPMS Reset - Procedure 1</u>
2008-12	<u>TPMS Reset - Procedure 17</u>
2013-14	<u>TPMS Reset - Procedure 16</u>

Camry Solara		
2004-06		<u>TPMS Reset - Procedure 2</u>
2007		<u>TPMS Reset - Procedure 1</u>
2008		<u>TPMS Reset - Procedure 17</u>
Corolla		
2005-07		<u>TPMS Reset - Procedure 4</u>
2008-14		<u>TPMS Reset - Procedure 17</u>
FJ Cruiser		
2007-11		<u>TPMS Reset - Procedure 5</u>
2012-14		<u>TPMS Reset - Procedure 17</u>
Highlander		
2004-07		<u>TPMS Reset - Procedure 6</u>
2008-14		<u>TPMS Reset - Procedure 17</u>
Highlander Hybrid		
2008-13		<u>TPMS Reset - Procedure 16</u>
2014		<u>TPMS Reset - Procedure 17</u>
Land Cruiser		
2005-07		<u>TPMS Reset - Procedure 7</u>
2008-14		<u>TPMS Reset - Procedure 17</u>
Matrix		
2005-07		<u>TPMS Reset - Procedure 8</u>
2008-13		<u>TPMS Reset - Procedure 17</u>
Prius (All Models)		
2006-07		<u>TPMS Reset - Procedure 9</u>
2008-14		<u>TPMS Reset - Procedure 17</u>
RAV4		
2004-05		<u>TPMS Reset - Procedure 10</u>
2006-07		<u>TPMS Reset - Procedure 11</u>
2008-12		<u>TPMS Reset - Procedure 16</u>
2013-14		<u>TPMS Reset - Procedure 17</u>
Sequoia		
2005 to Aug.2007		<u>TPMS Reset - Procedure 7</u>
Sept.2007 to 2014		<u>TPMS Reset - Procedure 17</u>
Sienna		
1998-06		<u>TPMS Reset - Procedure 12</u>
2007		<u>TPMS Reset - Procedure 13</u>
2008-14		<u>TPMS Reset - Procedure 17</u>
Tacoma		
2006-07		<u>TPMS Reset - Procedure 14</u>
2008-14		<u>TPMS Reset - Procedure 17</u>
Tundra		
2005-07		

	<u>TPMS Reset - Procedure 15</u>
2008-14	<u>TPMS Reset - Procedure 17</u>
Venza	
2009-14	<u>TPMS Reset - Procedure 16</u>
Yaris	
2008-11	<u>TPMS Reset - Procedure 16</u>
2012-14	<u>TPMS Reset - Procedure 17</u>

TPMS RESET - PROCEDURE 1

NOTE: Initialization is NOT required if re-inflating tires to the currently specified tire pressure.

NOTE: The system will need to be initialized when tires are replaced with tires of different pressures; tire pressure sensor and/or tire pressure monitor ECU are replaced. Set tire pressure within the specified range before initializing. When a tire pressure sensor and/or tire pressure monitor ECU are replaced, the sensor ID must be memorized by the tire pressure monitor ECU prior to system initialization. See Tire Pressure Sensor Registration.

Initializing Tire Pressure Monitor System

CAUTION: Set tire pressure within the specified range before initializing. DO NOT push the reset switch without adjusting tire inflation pressure of all 4 tires. Otherwise, the low tire pressure warning light may not come on even if the tire pressure is low, or it may come on when the tire inflation pressure is actually normal. If you push the reset switch while the vehicle is moving, initialization is not performed.

NOTE: When initializing the system, the present tire condition is stored as a standard.

NOTE: Perform the tire pressure adjustment after the vehicle has sufficiently cooled down. If it hasn't sufficiently cooled, increase the air pressure in the tires approximately 3-4psi (20-30kPa)

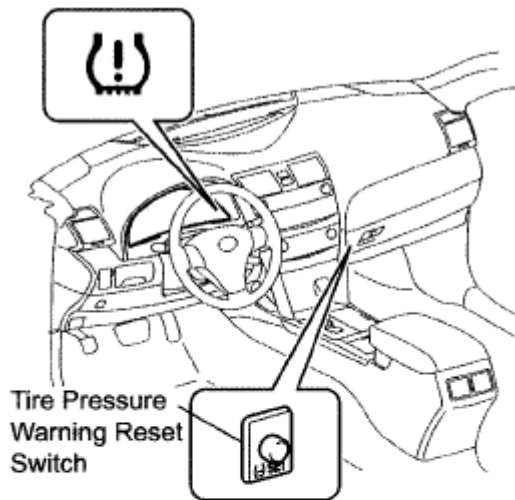
NOTE: The initialization mode can be terminated by making a short circuit between terminals No. 4 and 13 of the DLC3 connector (located under left side of instrument panel).

During initialization, the tire pressure monitor valve sub-assembly measures the inflation pressure of the tires, and registers the signals that are transmitted into the tire pressure monitor ECU at a frequency of one per minute. The initialization process is completed when the signals from the 4 tires have been received.

The initialization process is canceled if the ignition switch is turned to OFF position prior to the completion of

initialization. To restart initialization, the tire pressure warning reset switch must be pressed again.

1. Set the tire pressure of all wheels to pressure specified on the tire and loading information label.
2. With the vehicle parked in a safe place, connect the intelligent tester to the DLC3 and turn ignition switch to the ON position.
3. Turn the intelligent tester ON and navigate to the "TIREFPRESS" option using the on-screen prompts.
4. Within 30 seconds of turning the ignition ON, press and hold the tire pressure warning reset switch (located at left side of glove compartment opening) until the tire pressure warning light blinks 3 times at one-second intervals. See **Fig. 4**.



Tire Pressure Warning Light Output Pattern:

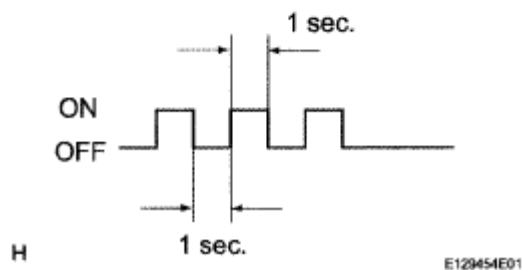


Fig. 4: Tire Pressure Warning Reset Switch - Blinking Pattern
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

5. Wait 2 - 3 minutes, with the ignition ON, for the initialization process to complete. If the initialization has not been completed successfully, Diagnostic Trouble Code (DTC) C2177/77 is set in the tire pressure monitor ECU about 20 minutes after driving starts.
6. Confirm that initialization is complete by verifying that the correct tire pressure values are displayed on the intelligent tester.

NOTE: In winter, tire pressure may decrease due to low ambient temperatures - about 1.45 psi (10 kPa) for every 18°F (10°C) drop in ambient temperature.

Therefore, the tire pressure warning is more likely to operate if the tire pressures are not adjusted appropriately. If the daily temperature variation is large, pressurize the tires so that they are in the specified range under cold conditions. With this adjustment, unnecessary warnings are less likely.

Tire Pressure Sensor Registration

NOTE: When a tire, wheel, tire pressure monitor valve sub-assembly and/or tire pressure monitor ECU are replaced, the transmitter ID needs to be registered in the tire pressure monitor ECU. To perform this procedure, a Toyota hand-held tester must be used.

Register Transmitter ID

1. Set the pressure of all tires (including spare tire) to the pressure specified on the tire and loading information label.
2. Connect the hand-held tester to DLC3. See **Fig. 5**.
3. Turn the ignition switch to the ON position.
4. Select REGISTER from the UTILITY menu. See **Fig. 6**.
5. Enter the transmitter ID(s) using the hand-held tester and transmit it to the tire pressure monitor ECU.
6. Set ID transmission condition to "ID Registration is complete".

NOTE: If steps 4-6 are not completed within 5 minutes, the mode will return to the normal operation mode.

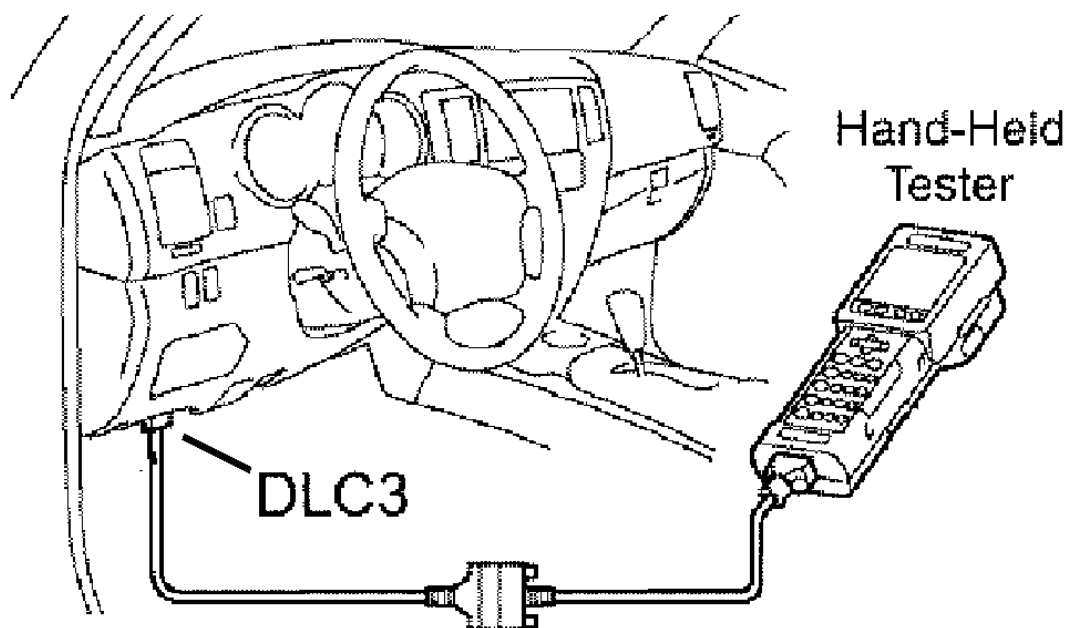
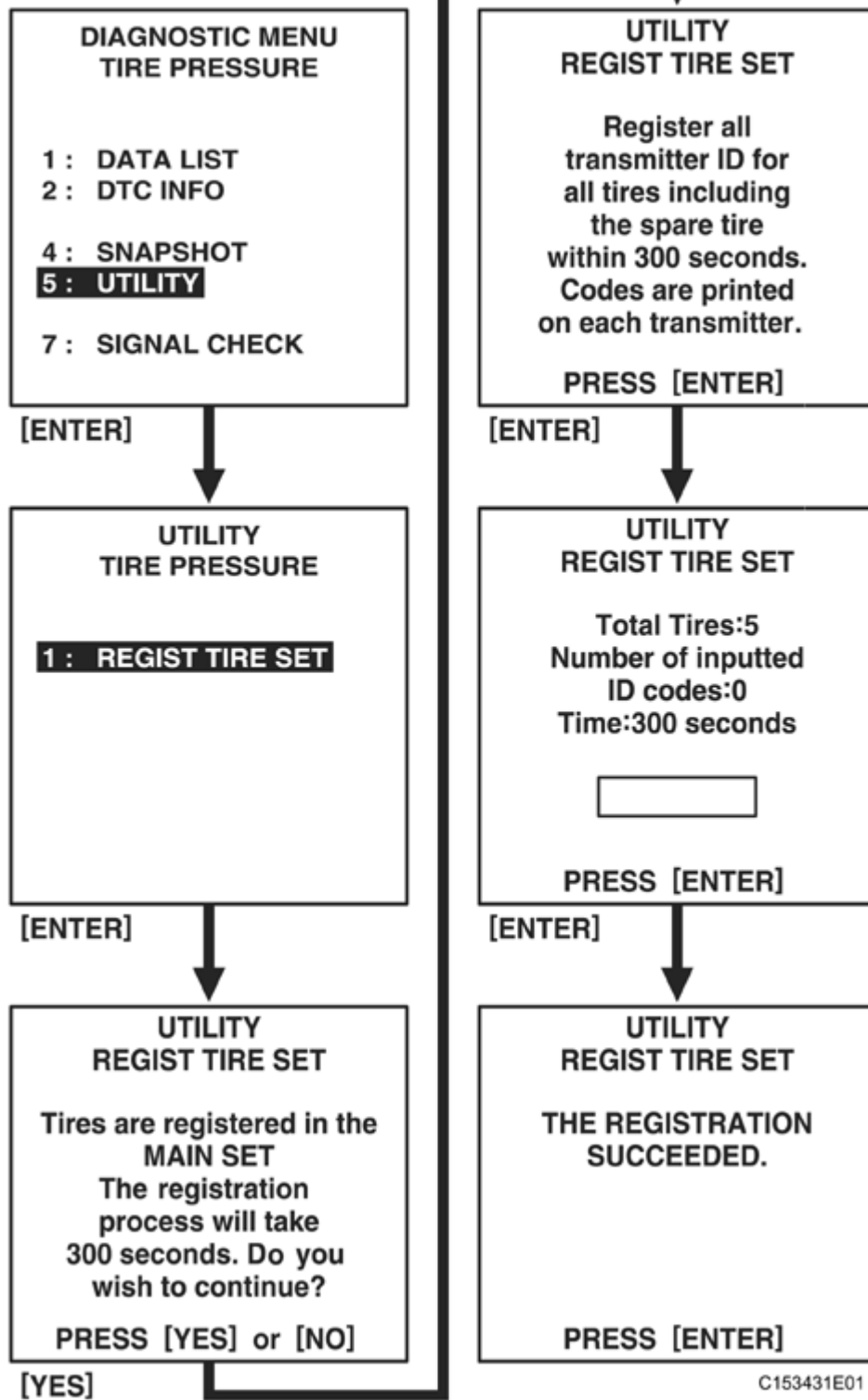


Fig. 5: Connecting Hand-Held Tester To DLC3
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

Registration Procedure



C153431E01

G00445150

Fig. 6: Registering Transmitter ID

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

Confirmation Of Transmitter ID Registration

1. Set the pressure of all tires (including spare tire) to the pressure specified on the tire and loading information label.
2. Connect the hand-held tester to DLC3.
3. Turn ignition switch to ON position.
4. Select the "TIRE PRESS" by following the prompts on the hand-held tester.
5. Confirm accurately registered tire pressures for all tires. If all values are displayed correctly, registration was completed successfully.

NOTE: It may take 2-3 minutes to update the tire pressure data. If ID registration has not occurred, DTC 2171/71 will be recorded in the ECU after 51 minutes or more.

TPMS RESET - PROCEDURE 2

NOTE: Initialization is NOT required if re-inflating tires to the currently specified tire pressure.

NOTE: This system requires initializing after changing tires or wheels, after rotating the tires, or when tire pressure warning light blinks twice every second. Set tire pressure within the specified range before initializing. If the tire air pressure is not within the specified range, tire pressure warning system will not function.

NOTE: If the negative battery terminal is disconnected, initialize the following systems after the terminal is reconnected: power window and sliding roof. Refer to owner's manual or appropriate manufacturer service information.

CAUTION: DO NOT push the reset switch without adjusting tire inflation pressure. Otherwise, the low tire pressure warning light may not come on even if the tire pressure is low, or it may come on when the tire inflation pressure is actually normal. If you push the reset switch while the vehicle is moving, initialization is not performed.

1. Set the tire pressure of all wheels to pressure specified on the tire and loading information label.
2. With vehicle stopped and parking brake applied, turn ignition switch to ON position.
3. Press and hold the tire pressure warning reset switch until the tire pressure warning light blinks 3 times at one-second intervals.

NOTE: If the tire pressure warning light does not blink, turn ignition switch to OFF position and perform the initialization procedure again starting at step 2. If light still does not blink, there is a problem in the TPM system. See

appropriate manufacturer service information.

4. Drive the vehicle at 19 mph (30 km/h) or more to complete the initialization of the skid control ECU (it takes 0.5-1 hour). Vehicle should be driven under the following conditions:
 - The vehicle speed is between 31-62 mph (50-100 km/h).
 - The roads are dry, smooth and straight.
 - The number of passengers is 1 or 2 (including driver).

NOTE: **If the tire pressure warning light blinks at 0.25 second intervals while the vehicle is being driven, the initialization may have failed. If so, turn ignition switch to OFF position and perform the initialization procedure again starting at step 1.**

5. After initialization is completed, the skid control ECU monitors the tire pressure by using the wheel speed sensors.
6. To verify the system has been initialized, check the length of time the tire pressure warning light is on after turning the ignition switch to the ON position. Light will stay on for 3 seconds if system is initialized, or 4 seconds if system is not initialized.

TPMS RESET - PROCEDURE 3

NOTE: **Initialization is required when changing tire size, rotating tire on vehicle with different front and rear tire inflation pressures.**

1. Park vehicle in a safe place and turn ignition key to LOCK position.
2. Adjust the pressure of all installed tires to specified cold tire inflation pressure level.
3. Turn ignition to ON position.
4. Push and hold tire pressure warning reset switch (located below left side of dash) until the tire pressure warning light blinks slowly 3 times.
5. Leave system for a few minutes with ignition switch in ON position, and then turn ignition key to LOCK position.

If the tire warning reset switch is pushed while vehicle is moving, initialization will not take place. If reset switch is accidentally pushed, and initialization takes place, adjust tire inflation pressure to the specified level and initialize the system again.

If tire pressure warning light does not blink slowly 3 times when you push and hold the reset switch, initialization has failed and tire pressure warning system may not work properly. In this case, initialize the system again. If initialization cannot be performed, have the system checked at an authorized dealer.

TPMS RESET - PROCEDURE 4

NOTE: **Initialization is NOT required if re-inflating tires to the currently specified tire pressure.**

NOTE: This system requires initializing after changing tires or wheels, after rotating the tires, or when tire pressure warning light blinks once every 3 seconds. Set tire pressure within the specified range before initializing. If the tire air pressure is not within the specified range, tire pressure warning system will not function.

CAUTION: DO NOT push the reset switch without adjusting tire inflation pressure. Otherwise, the low tire pressure warning light may not come on even if the tire pressure is low, or it may come on when the tire inflation pressure is actually normal. If you push the reset switch while the vehicle is moving, initialization is not performed.

1. Set the tire pressure of all wheels to pressure specified on the tire and loading information label.
2. With vehicle stopped and parking brake applied, turn ignition switch to ON position.
3. Press and hold the tire pressure warning reset switch until the tire pressure warning light blinks 3 times at one-second intervals. See **Fig. 7**.

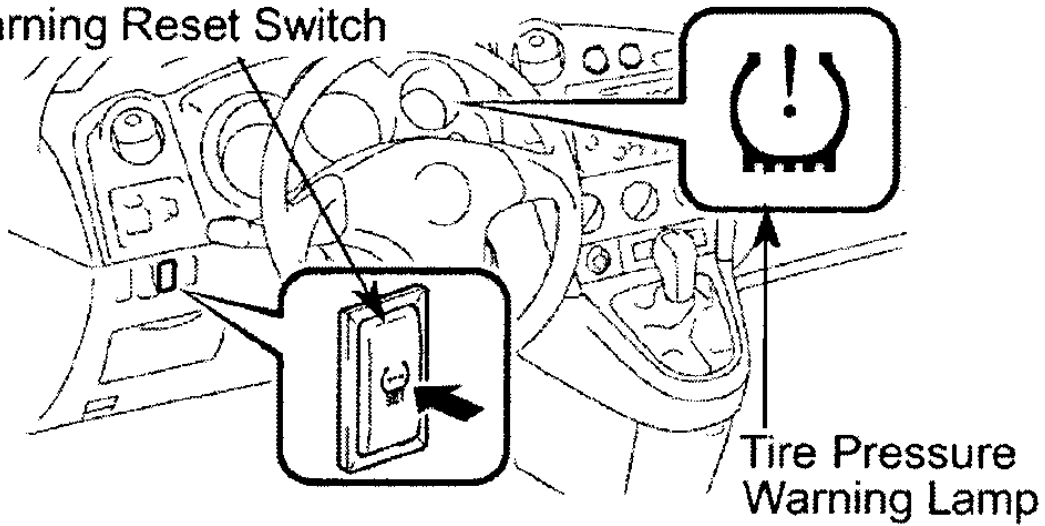
NOTE: If the tire pressure warning light does not blink, turn ignition switch to OFF position and perform the initialization procedure again starting at step 2. If light still does not blink, there is a problem in the TPM system. See appropriate manufacturer service information.

4. Drive the vehicle at 19 mph (30 km/h) or more to complete the initialization of the skid control ECU (it takes more than one hour). See **Fig. 8**. Vehicle should be driven under the following conditions:
 - The vehicle speed is between 31-62 mph (50-100 km/h).
 - The roads are dry, smooth and straight.
 - The number of passengers is 1 or 2 (including driver).

NOTE: If the tire pressure warning light repeats a cycle of ON (0.5 second) and OFF (2.5 seconds) while the vehicle is being driven, initialization may have failed. If so, turn ignition switch to OFF position and perform the initialization procedure again starting at step 1.

5. After initialization is completed, the skid control ECU monitors the tire pressure by using the wheel speed sensors.
6. To verify the system has been initialized, check the length of time the tire pressure warning light is on after turning the ignition switch to the ON position. Light will stay on for 3 seconds if system is initialized, or 4 seconds if system is not initialized.

Tire Pressure
Warning Reset Switch



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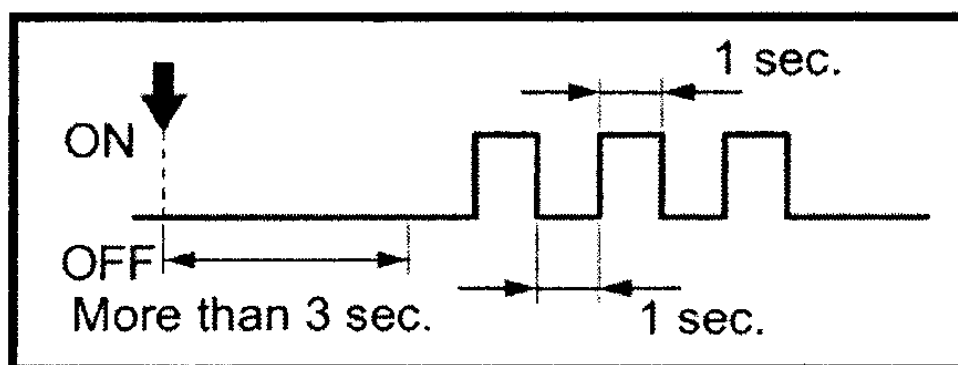
Fig. 7: Locating TPM System Reset Switch

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

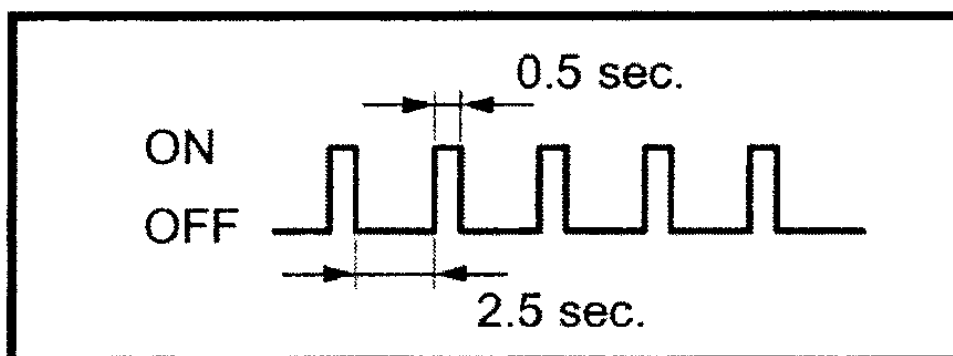
Lamp Output Pattern:

- Receipt of the Initialization Signal

Keep pressing the switch for more than 3 sec.
or until tire pressure warning lamp blinks 3 times.



- Failure of Initialization



G00225405

Fig. 8: Initializing TPM System

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

TPMS RESET - PROCEDURE 5

NOTE: Reset is NOT required if re-inflating tires to the currently specified tire pressure.

NOTE: It is necessary to register the transmitter ID in the tire pressure warning ECU when replacing the tire pressure warning valve, transmitter and/or tire pressure warning ECU. The transmitter ID is written on the tire pressure warning valve and transmitter. You will not be able to read the ID numbers after installing the tire pressure warning valve and transmitter on the tire and wheel. Take a note of the 7 digit number (transmitter ID) before starting registration.

When the tire pressure warning light does not go off, or when it comes on during driving, check tire pressure

(including spare tire) and adjust as necessary. The warning light should go out within a few minutes.

Register Transmitter ID

1. Set the pressure of all tires (including spare tire) to the pressure specified on the tire and loading information label.
2. Turn ignition switch OFF.
3. Connect a Techstream to the DLC3.
4. Turn ignition switch ON.
5. Turn Techstream ON.
6. Enter the following menus: Chassis / Tire Pressure Monitor / Utility / ID Registration.
7. Follow the procedures displayed on the screen.
8. Confirm the ID numbers for all tires (including the spare tire) are displayed on the screen.

NOTE:

- It may take up to 2 or 3 minutes to update the tire pressure data. If the values are not displayed after a few minutes, see the appropriate manufacturer service information.
- If the IDs have not been registered, DTC C2171/71 is set in the tire pressure warning ECU after 3 minutes or more.
- If normal pressure values are displayed, the IDs have been registered correctly.
- If the tire pressure values are not displayed after a few minutes, the IDs may be incorrect or the system may have a malfunction.
- After all IDs are registered, DTC C2126/26 (Transmitter ID not Received in Main Mode) is set in the tire pressure warning ECU and the tire pressure warning light blinks for 1 minute and then stays on. When the tire pressure warning ECU successfully receives radio waves from all the transmitters whose IDs are stored in the ECU, DTC C2126/26 is deleted and the tire pressure warning light goes off.

Confirmation Of Transmitter ID Registration

1. Set the pressure of all tires (including spare tire) to the pressure specified on the tire and loading information label.
2. Connect a Techstream to the DLC3.
3. Turn ignition switch ON.
4. Turn Techstream ON.
5. Enter the following menus: Chassis / Tire Pressure Monitor / Data List.
6. Observe the "ID Tire Inflation Pressure" values.
7. Confirm the ID numbers for all tires (including the spare tire) are displayed on the screen. If all values are displayed correctly, registration was completed successfully.

TPMS RESET - PROCEDURE 6

- NOTE:** Initialization is NOT required if re-inflating tires to the currently specified tire pressure.
- NOTE:** This system requires initializing after changing tires or wheels, after rotating the tires, or when tire pressure warning light blinks twice every second. Set tire pressure within the specified range before initializing. If the tire air pressure is not within the specified range, tire pressure warning system will not function.
- NOTE:** If the negative battery terminal is disconnected, initialize the following system after the terminal is reconnected: Moon Roof. Refer to owner's manual or appropriate manufacturer service information.

CAUTION: DO NOT push the reset switch without adjusting tire inflation pressure. Otherwise, the low tire pressure warning light may not come on even if the tire pressure is low, or it may come on when the tire inflation pressure is actually normal. If you push the reset switch while the vehicle is moving, initialization is not performed.

1. Set the tire pressure of all wheels to pressure specified on the tire and loading information label.
2. With vehicle stopped and parking brake applied, turn ignition switch to ON position.
3. Press and hold the tire pressure warning reset switch until the tire pressure warning light blinks 3 times at one-second intervals.

NOTE: If the tire pressure warning light does not blink, turn ignition switch to OFF position and perform the initialization procedure again starting at step 2. If light still does not blink, there is a problem in the TPM system. See appropriate manufacturer service information.

4. Drive the vehicle at 19 MPH (30 KM/H) or more to complete the initialization of the skid control ECU (it takes more than one hour.) Vehicle should be driven under the following conditions:
 - The vehicle speed is between 31-62 MPH (50-100 KM/H).
 - The roads are dry, smooth and straight.
 - The number of passengers is 1 or 2 (including driver).

NOTE: If the tire pressure warning light blinks at 0.25-second intervals while the vehicle is being driven, the initialization may have failed. If so, turn ignition switch to OFF position and perform the initialization procedure again starting at step 1.

5. After initialization is completed, the skid control ECU monitors the tire pressure by using the wheel speed sensors.
6. To verify the system has been initialized, check the length of time the tire pressure warning light is on

after turning the ignition switch to the ON position. Light will stay on for 3 seconds if system is initialized, or 4 seconds if system is not initialized.

TPMS RESET - PROCEDURE 7

NOTE: For Sequoia, this procedure applies to vehicles from 2005 up to August 2007. For Sequoia models from September 2007, see **TPMS RESET - PROCEDURE 17.**

NOTE: Initialization is NOT required if re-inflating tires to the currently specified tire pressure.

NOTE: The system will need to be initialized when tires are rotated; tires are replaced with tires of different pressures; tire pressure sensor and/or tire pressure monitor ECU are replaced. Set tire pressure within the specified range before initializing. If tire pressure sensor and/or tire pressure monitor ECU were replaced, ensure that tire pressure sensor IDs are registered prior to initialization. Refer to owner's manual or appropriate manufacturer service information.

CAUTION: DO NOT push the reset switch without adjusting tire inflation pressure of all 5 tires (including the spare). Otherwise, the low tire pressure warning light may not come on even if the tire pressure is low, or it may come on when the tire inflation pressure is actually normal. If you push the reset switch while the vehicle is moving, initialization is not performed.

NOTE: When initializing the system, the present tire condition is stored as a standard.

During initialization, the tire pressure monitor valve sub-assembly measures the inflation pressure of the tires, and registers the signals that are transmitted into the tire pressure monitor ECU at a frequency of one per minute. The initialization process is completed when the signals from the 5 tires have been received.

The initialization process is canceled if the ignition switch is turned to OFF position during initialization. To initialize again, the tire pressure warning reset switch must be pressed again. For this reason, once the tire pressure warning reset switch has been pressed, turning ignition switch to OFF position is not recommended for a minimum of 20 minutes.

1. Set the tire pressure of all wheels (including spare tire) to pressure specified on the tire and loading information label.
2. With the vehicle stopped and parking brake applied, turn the ignition switch to the ON position.
3. Press and hold the tire pressure warning reset switch until the tire pressure warning light blinks 3 times at one-second intervals. See **Fig. 9.**

NOTE: Do not turn the ignition switch to OFF position during initialization (the initialization process takes about 20 minutes). Initialization will be complete if signals are received from all the wheels including the spare.

Initialization will be canceled if the ignition switch is turned to OFF position during initialization.

4. Confirm that initialization is complete using the intelligent tester. Check that the pressure for each tire is displayed in INIT THRESHOLD 1 to 5.

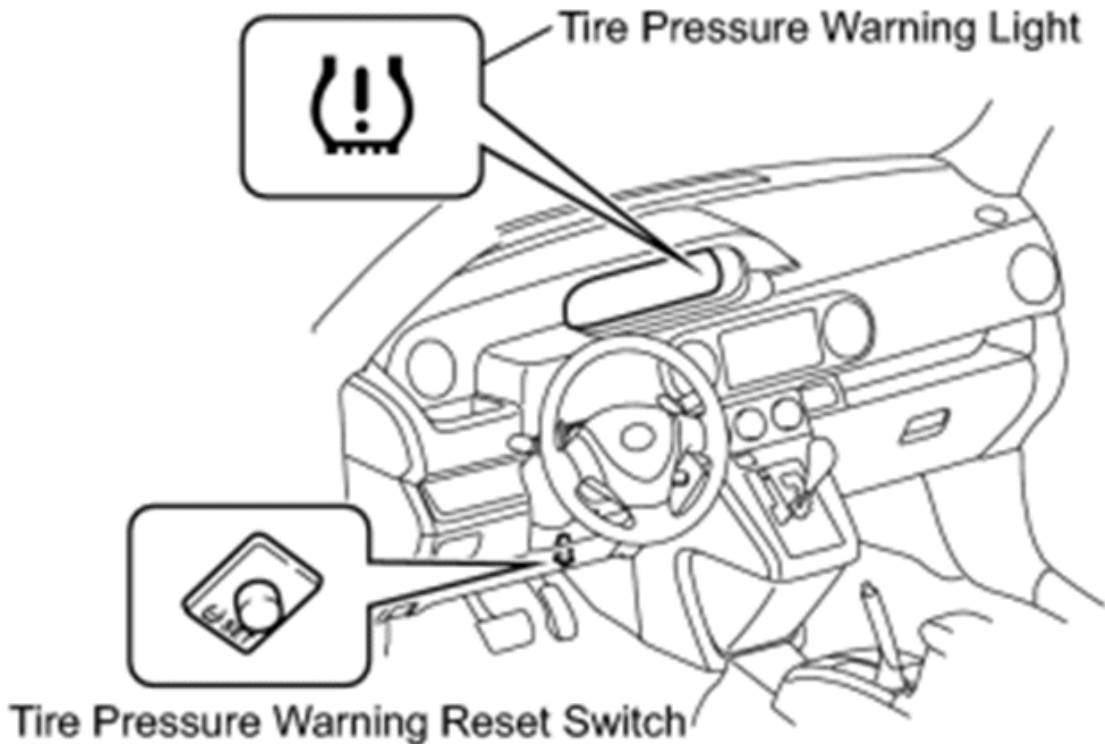


Fig. 9: Locating TPM System Reset Switch (Typical)
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

TPMS RESET - PROCEDURE 8

NOTE: Initialization is NOT required if re-inflating tires to the currently specified tire pressure.

NOTE: This system requires initializing after changing tires or wheels, after rotating the tires, or if warning light blinks once every 3 seconds. Set tire pressure within the specified range before initializing. If the tire air pressure is not within the specified range, tire pressure warning system will not function.

CAUTION: DO NOT push the reset switch without adjusting tire inflation pressure. Otherwise, the low tire pressure warning light may not come on even if the tire pressure is low, or it may come on when the tire inflation pressure is actually normal. If you push the reset switch while the vehicle is moving, initialization is not performed.

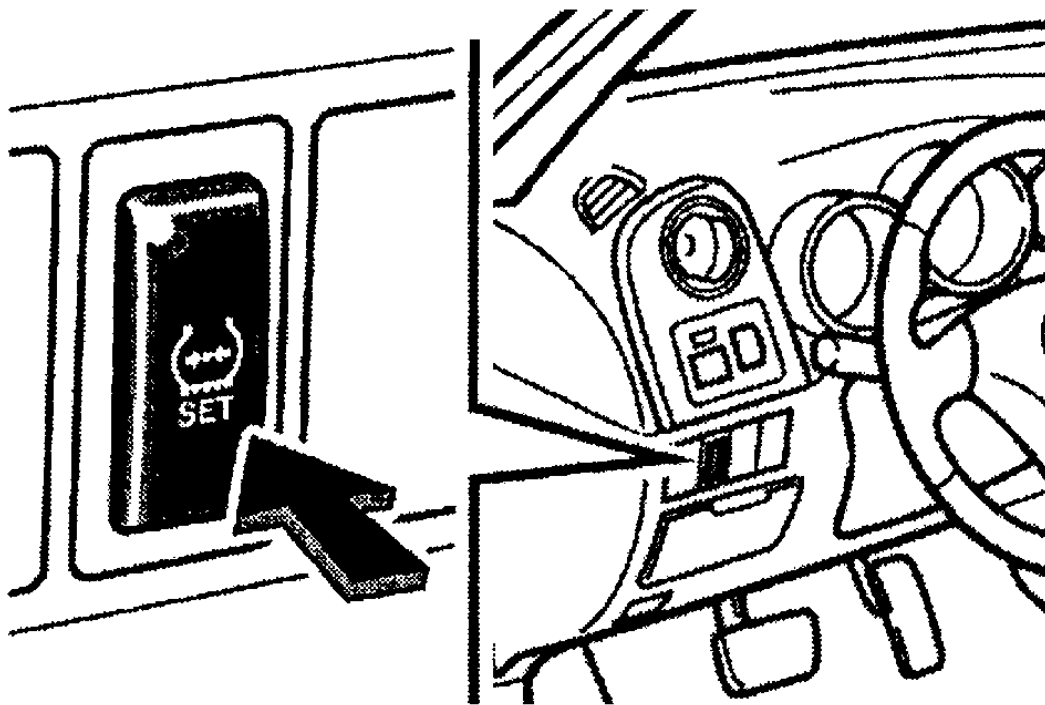
1. Set the tire pressure of all wheels to pressure specified on the tire and loading information label.
2. With vehicle stopped and parking brake applied, turn ignition switch to ON position.
3. Press and hold the tire pressure warning reset switch until the tire pressure warning light blinks 3 times at one-second intervals. See **Fig. 10**.

NOTE: **If the tire pressure warning light does not blink, turn ignition switch to OFF position and perform the initialization procedure again starting at step 2. If light still does not blink, there is a problem in the TPM system. See appropriate manufacturer service information.**

4. Drive the vehicle at 19 mph (30 km/h) or more to complete the initialization of the skid control ECU (it takes more than one hour). Vehicle should be driven under the following conditions:
 - The vehicle speed is between 31-62 mph (50-100 km/h).
 - The roads are dry, smooth and straight.
 - The number of passengers is 1 or 2 (including driver).

NOTE: **If the tire pressure warning light repeats a cycle of ON (0.5 second) and OFF (2.5 seconds) while the vehicle is being driven, initialization may have failed. If so, turn ignition switch to OFF position and perform the initialization procedure again starting at step 1.**

5. After initialization is completed, the skid control ECU monitors the tire pressure by using the wheel speed sensors.
6. To verify the system has been initialized, check the length of time the tire pressure warning light is on after turning the ignition switch to the ON position. Light will stay on for 3 seconds if system is initialized, or 4 seconds if system is not initialized.



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Fig. 10: Locating TPM System Reset Switch
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

TPMS RESET - PROCEDURE 9

- NOTE:** Initialization is NOT required if re-inflating tires to the currently specified tire pressure.
- NOTE:** The system will need to be initialized when tires are replaced with tires of different pressures; tire pressure sensor and/or tire pressure monitor ECU are replaced; or when a new vehicle is delivered. Set tire pressure within the specified range before initializing. When a tire pressure sensor and/or tire pressure monitor ECU are replaced, the sensor ID must be memorized by the tire pressure monitor ECU prior to system initialization. See Tire Pressure Sensor Registration.

Initializing Tire Pressure Monitor System

CAUTION: Set tire pressure within the specified range before initializing. DO NOT push the reset switch without adjusting tire inflation pressure of all 4 tires. Otherwise, the low tire pressure warning light may not come on even if the tire pressure is low, or it may come on when the tire inflation pressure is actually normal. If you push the reset switch while the vehicle is moving, initialization is not performed.

NOTE: The initialization mode can be terminated by making a short circuit between terminals No. 4 and 13 of the DLC3 connector (located under left side of instrument panel).

NOTE: When initializing the system, the present tire condition is stored as a standard.

During initialization, the tire pressure monitor valve sub-assembly measures the inflation pressure of the tires, and registers the signals that are transmitted into the tire pressure monitor ECU at a frequency of one per minute. The initialization process is completed when the signals from the 4 tires have been received.

The initialization process is canceled if the ignition switch is turned to OFF position during initialization. To initialize again, the tire pressure warning reset switch must be pressed again. For this reason, once the tire pressure warning reset switch has been pressed, turning ignition switch to OFF position is not recommended for a minimum of 20 minutes.

1. Set the tire pressure of all wheels to pressure specified on the tire and loading information label.
2. With the vehicle parked in a safe place and hybrid system turned off, turn the POWER switch to the IG-ON position.
3. Press and hold the tire pressure warning reset switch (located under steering wheel) until the tire pressure warning light blinks 3 times at one-second intervals.
4. After 2-3 minutes, the initialization process should be completed. If the initialization has not been completed successfully, Diagnostic Trouble Code (DTC) C2177/77 is set in the tire pressure monitor ECU about 20 minutes after driving starts.
5. Confirm that initialization is complete using the intelligent tester. This may be done by checking for the test DTCS (C2181/81 to C2191/91) to be indicated, or by ensuring that tire pressure values can be displayed on the tester (it can take 2-3 minutes to display tire pressure data).

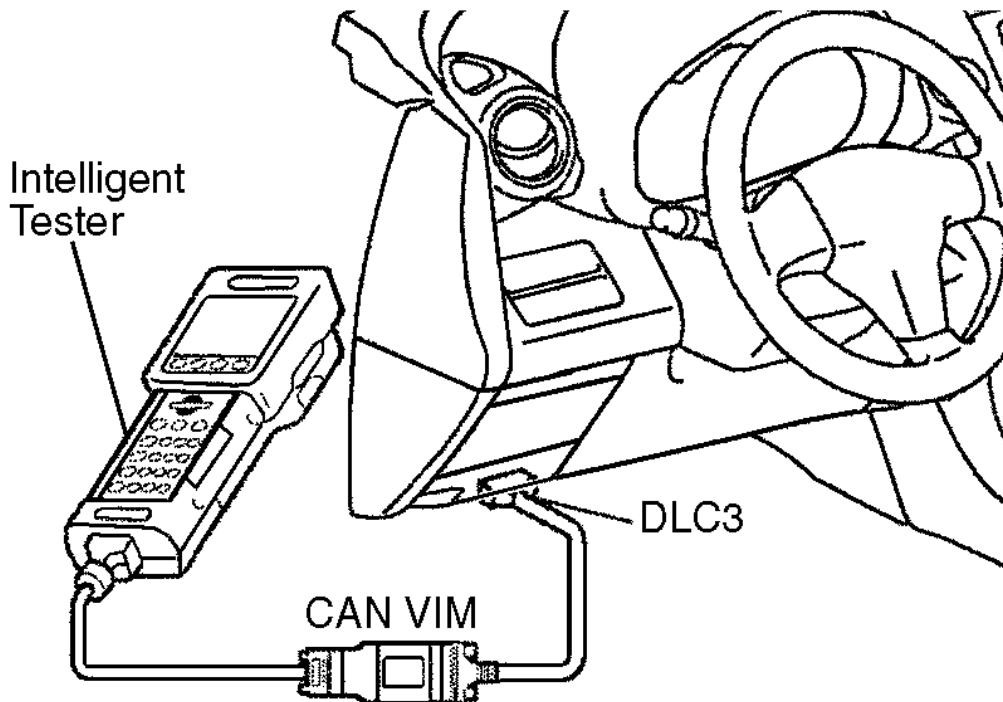
NOTE: If outside temperatures are very low, tire pressures may be lower than expected. Leave ignition on for about 20 minute after confirmation that initialization has been completed, and increase the tire inflation pressure by 3-4 psi (20-30 kPa).

Tire Pressure Sensor Registration

NOTE: When a tire pressure sensor and/or tire pressure monitor ECU are replaced, the sensor ID must be memorized by the tire pressure monitor ECU prior to system initialization. To perform this procedure, a Toyota intelligent tester (with CAN VIM) must be used. It is not necessary to register the sensor IDs when only tire rotation is performed.

NOTE: Before beginning registration process on vehicles where tire pressure sensors have not been replaced, retrieve sensor transmitter IDs using intelligent tester or by reading the ID on the tire pressure sensor. If sensor is being replaced with a new one, make a note of the 7-digit number (transmitter ID) before installation, as it cannot be seen after sensor is installed. See Fig. 12.

1. Set the tire pressure of all wheels to pressure specified on the tire and loading information label.
2. Connect the intelligent tester (with CAN VIM) to DLC3. See **Fig. 11**.



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Fig. 11: Connecting Intelligent Tester (With CAN VIM)
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

3. Turn the ignition switch to ON position.
4. Read and record the transmitter IDs (ID1 to ID4) by using the DATA LIST. See **Fig. 12** and **Fig. 13**.
5. Select the "REGIST TIRE" mode.
6. Select the "MAIN" registration mode.
7. Input the transmitter IDs (ID1 to ID4) using the intelligent tester and transmit it to the tire pressure monitor ECU.
8. Set ID transmission condition to "SUCCEEDED".

NOTE: The previously registered IDs will be deleted from the memory when the registration is completed.

NOTE: If steps 4-8 are not completed within 5 minutes, the mode will return to the normal operation mode.

9. When intelligent tester confirms that ID registration has successfully been completed, turn ignition switch to OFF position.
10. Turn ignition switch to ON position. Select the "SIGNAL CHECK" mode on the intelligent tester.

11. Confirm that the transmitter IDs and the tire pressure data is displayed for all 4 tires on the intelligent tester.

NOTE: It may take up to one minute to update the tire pressure data.

NOTE: If the IDs have not been registered, DTC C2171/71 is set in the tire pressure monitor ECU after about 60 minutes.

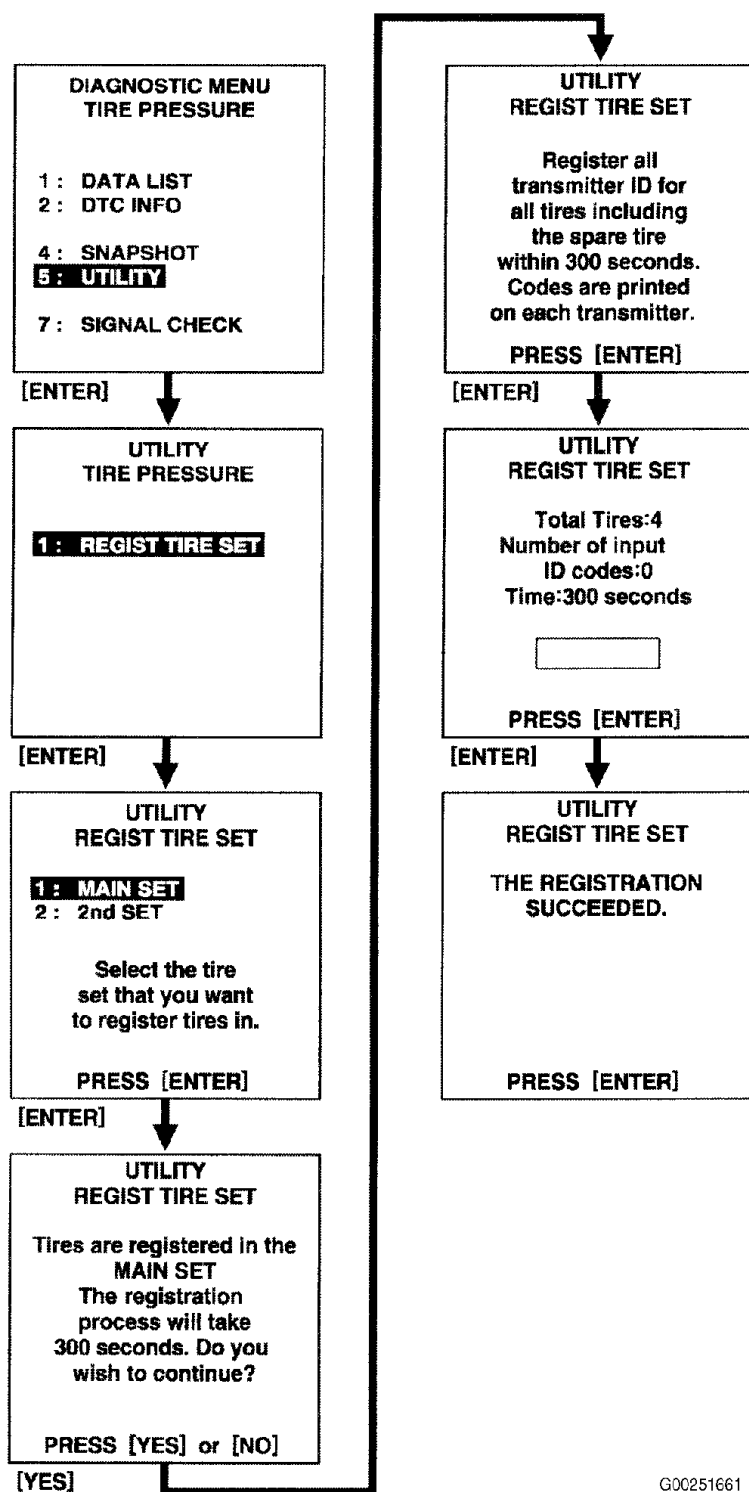
MODE STATUS	NORMAL
MAIN TIRE	4
2ND TIRE	4
SELECT SW	MAIN
VEHICLE SPD	0MPH
REGIT ID1	CS0#####
REGIT ID2	CS0#####
REGIT ID3	CS0#####
REGIT ID4	CS0#####
TRANS STATUS	FINISH
INITIAL SW	OFF

UTILITY REGIST TIRE SET
Total Tires :4
Number of inputted ID codes :0
Time :252 seconds
#####
PRESS [ENTER]

UTILITY REGIST TIRE SET
THE REGISTRATION SUCCEEDED.
PRESS [ENTER]

G00251660

Fig. 12: Registering Transmitter ID Using Intelligent Tester (1 Of 2)
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.



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Fig. 13: Registering Transmitter ID Using Intelligent Tester (2 Of 2)
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

NOTE: Initialization is NOT required if re-inflating tires to the currently specified tire pressure.

NOTE: This system requires initializing after changing tires or wheels, after rotating the tires, or when tire pressure warning light blinks twice every second. Set tire pressure within the specified range before initializing. If the tire air pressure is not within the specified range, tire pressure warning system will not function.

CAUTION: Do not push the reset switch without adjusting tire inflation pressure. Otherwise, the low tire pressure warning light may not come on even if the tire pressure is low, or it may come on when the tire inflation pressure is actually normal. If you push the reset switch while the vehicle is moving, initialization is not performed.

1. Set the tire pressure of all wheels to pressure specified on the tire and loading information label.
2. With vehicle stopped and parking brake applied, turn ignition switch to ON position.
3. Press and hold the tire pressure warning reset switch until the tire pressure warning light blinks 3 times at one-second intervals.

NOTE: If the tire pressure warning light does not blink, turn ignition switch to OFF position. Perform the initialization procedure again starting at step 2. If light still does not blink, there is a problem in the TPM system. See appropriate manufacturer service information.

4. Drive the vehicle at 19 mph (30 km/h) or more to complete the initialization of the ABS/skid control ECU (it takes more than one hour). Vehicle should be driven under the following conditions:
 - The vehicle speed is between 31-62 mph (50-100 km/h).
 - The roads are dry, smooth and straight.
 - The number of passengers is 1 or 2 (including driver).

NOTE: If the tire pressure warning light blinks at 0.25 second intervals while the vehicle is being driven, the initialization may have failed. If so, turn ignition switch to OFF position. Perform the initialization procedure again starting at step 1.

5. After initialization is completed, the ABS/skid control ECU monitors the tire pressure by using the wheel speed sensors.
6. To verify the system has been initialized, check the length of time the tire pressure warning light is on after turning the ignition switch to the ON position. Light will stay on for 3 seconds if system is initialized, or 4 seconds if system is not initialized.

TPMS RESET - PROCEDURE 11

NOTE: Reset is NOT required if re-inflating tires to the currently specified tire pressure.

NOTE: When a tire pressure sensor and/or tire pressure monitor ECU are replaced, the sensor ID must be memorized by the tire pressure monitor ECU. See [Tire Pressure Sensor Registration](#).

Tire Pressure Monitor Warning Light

NOTE: The tire pressure warning light may turn on due to natural causes such as natural air leaks or tire pressure changes caused by temperature. In this case, adjusting the tire pressure will turn off the warning light.

NOTE: If warning light turned on due to very low outside temperatures (such as in winter) causing decreases in tire pressure, adjust pressure to a higher pressure suitable to cold conditions. Tire pressure decreases by about 1.45 psi (10 kPa) for every 50°F (10°C) drop in ambient temperature.

When the tire pressure warning light does not go off, or when it comes on during driving, check tire pressure (including spare tire) and adjust as necessary. The warning light should turn off within a few minutes. If the warning light is still on even though the tire pressure is correctly adjusted, the tire could be punctured. Repair as necessary. If the warning light turns on within several hours after adjusting the tire pressure, the tire may have a slow air leak. Repair as necessary. If the warning light stays on or blinks, there is a malfunction in the TPM system. See appropriate manufacturer service information.

Under the following conditions, the system may not function properly:

- The areas, facilities or devices that use similar radio wave frequencies are located in the vicinity of the vehicle.
- A radio device of similar frequency is used near the vehicle.
- A lot of snow or ice is stuck to the vehicle, especially around the wheels or wheel housings.
- Tires and wheels are installed that are not equipped with a tire pressure sensor.
- Snow tires or tire chains are used.
- The battery of the sensor has been depleted.
- Wheels other than manufacturer factory wheels are used. If any other wheels than the specified ones are used, the system may not function properly because the radio waves are differently transmitted from the tire pressure sensor.
- Radio waves from the air pressure sensor installed on the spare tire cannot be received. If this problem has occurred, rotate spare tire 90 degrees and recheck system.
- Depending on the tire type, the system may not function properly even though the specified wheels are used.
- Using a different type of tire in combination with genuine tires.
- If system was initialized with tire pressures which are not the specified values.

Tire Pressure Sensor Registration

NOTE: When a tire pressure sensor and/or tire pressure monitor ECU are replaced, the

sensor ID must be memorized by the tire pressure monitor ECU. To perform this procedure, a Toyota intelligent tester (with CAN VIM) must be used. It is not necessary to register the sensor IDs when only tire rotation is performed.

NOTE: Before beginning registration process on vehicles where tire pressure sensors have not been replaced, retrieve sensor transmitter IDs using intelligent tester or by reading the ID on the tire pressure sensor. If sensor is being replaced with a new one, make a note of the 7-digit number (transmitter ID) before installation, as it cannot be seen after sensor is installed.

1. Set the tire pressure of all wheels (including spare tire) to pressure specified on the tire and loading information label.
2. Connect the intelligent tester (with CAN VIM) to DLC3. See **Fig. 11**.
3. Turn the ignition switch to ON position.
4. Read and record the transmitter IDs (ID1 to ID5) by using the DATA LIST. See **Fig. 14** and **Fig. 15**.
5. Select the "REGIST TIRE" mode.
6. Select the "MAIN" registration mode.
7. Input the transmitter IDs (ID1 to ID5) using the intelligent tester and transmit it to the tire pressure monitor ECU.
8. Set ID transmission condition to "COMPLETE".

NOTE: The previously registered IDs will be deleted from the memory when the registration is completed.

NOTE: If steps 4-8 are not completed within 5 minutes, the mode will return to the normal operation mode.

9. When intelligent tester confirms that ID registration has successfully been completed, turn ignition switch to OFF position.
10. Turn ignition switch to ON position. Select the "SIGNAL CHECK" mode on the intelligent tester.
11. Confirm that the transmitter IDs and the tire pressure data is displayed for all 5 tires on the intelligent tester.

NOTE: It may take up to one minute to update the tire pressure data.

NOTE: If the IDs have not been registered, DTC C2171/71 is set in the tire pressure monitor ECU after about 60 minutes.

MODE STATUS NORMAL
MAIN TIRE 5
2ND TIRE 5
SELECT SW MAIN
VEHICLE SPD 0MPH
REGIT ID1 CS0#####
REGIT ID2 CS0#####
REGIT ID3 CS0#####
REGIT ID4 CS0#####
REGIT ID5 CS0#####
TRANS STATUS FINISH
INITIAL SW OFF

UTILITY
REGIST TIRE SET

Total Tires :5
Number of inputted
ID codes :0
Time :252 seconds

#####

PRESS [ENTER]

UTILITY
REGIST TIRE SET

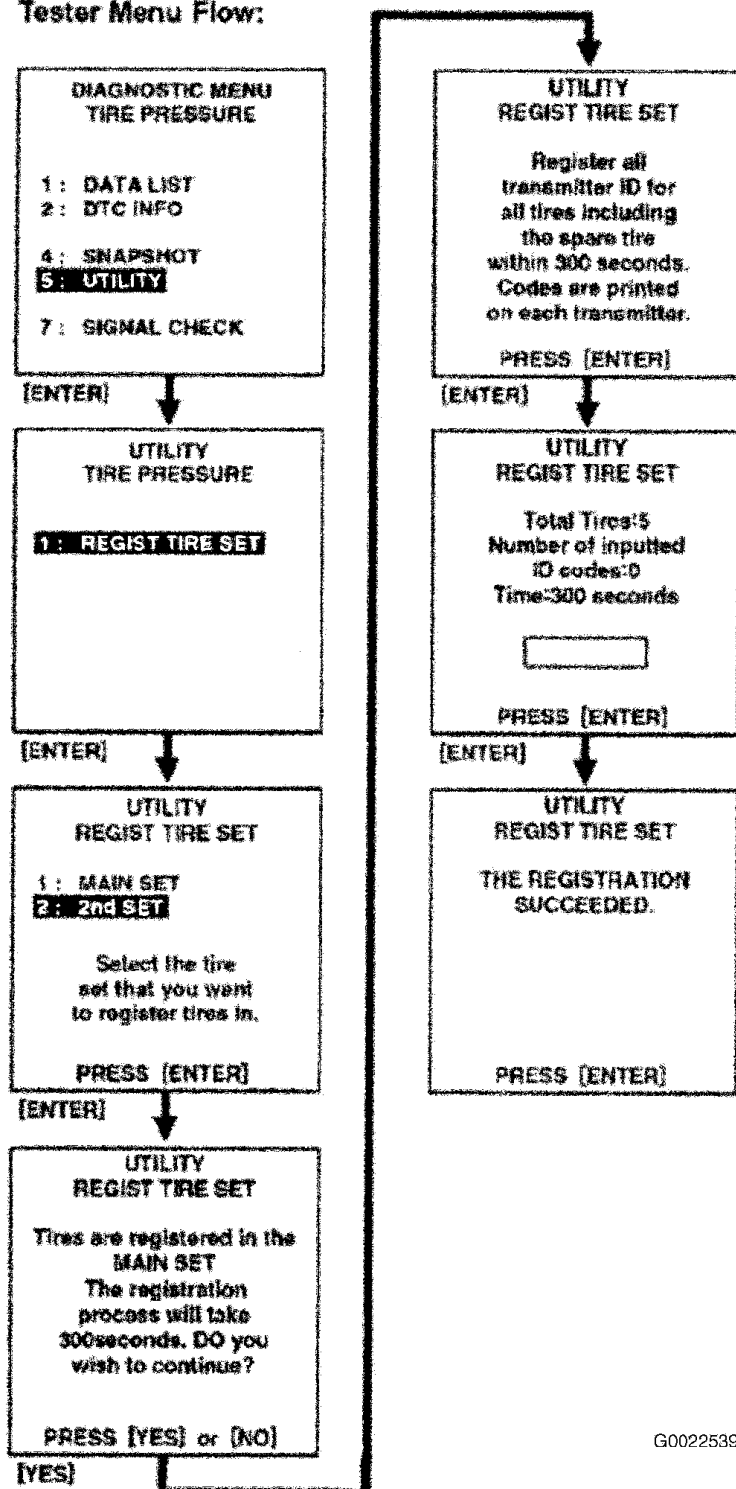
THE REGISTRATION
SUCCEEDED.

PRESS [ENTER]

G00225414

Fig. 14: Registering Transmitter ID Using Intelligent Tester (1 Of 2)
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

Tester Menu Flow:



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Fig. 15: Registering Transmitter ID Using Intelligent Tester (2 Of 2)
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

NOTE: Initialization is NOT required if re-inflating tires to the currently specified tire pressure.

NOTE: This system requires initializing after changing tires or wheels, after rotating the tires, or when tire pressure warning light blinks twice every second. Set tire pressure within the specified range before initializing. If the tire air pressure is not within the specified range, tire pressure warning system will not function. See appropriate manufacturer service information.

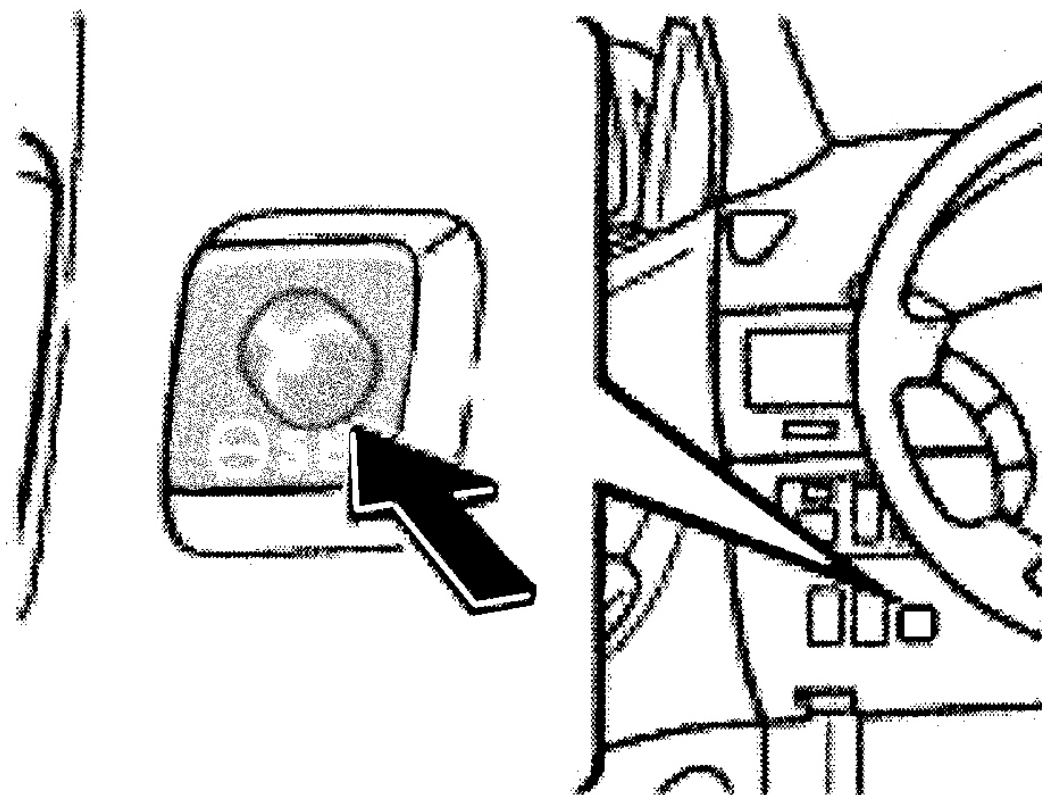
NOTE: If the negative battery terminal is disconnected, initialize the following systems after the terminal is reconnected: power window, power sliding door, power back door and moon roof. Refer to owner's manual or appropriate manufacturer service information.

CAUTION: Do not push the reset switch without adjusting tire inflation pressure. Otherwise, the low tire pressure warning light may not come on even if the tire pressure is low, or it may come on when the tire inflation pressure is actually normal. If you push the reset switch while the vehicle is moving, initialization is not performed.

1. Set the tire pressure of all wheels to pressure specified on the tire and loading information label.
2. With the vehicle stopped and parking brake applied, turn the ignition switch to the ON position.
3. Press and hold the tire pressure warning reset switch until the tire pressure warning light blinks 3 times at one-second intervals (continue pressing the switch for about 3-4 seconds). See **Fig. 16**.

NOTE: If the tire pressure warning light does not blink, turn ignition switch to OFF position and perform the initialization procedure again starting at step 2. If light still does not blink, there is a problem in the TPM system. See appropriate manufacturer service information.

4. On 2004-06 models, drive the vehicle at 19 MPH (30 KM/H) or more to initialize the skid control ECU. This may take 30-60 minutes.



G00225426

Fig. 16: Locating TPM System Reset Switch

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

TPMS RESET - PROCEDURE 13

- NOTE:** Initialization is NOT required if re-inflating tires to the currently specified tire pressure.
- NOTE:** The system will need to be initialized when tires are replaced with tires of different pressures; tire pressure sensor and/or tire pressure monitor ECU are replaced; or when a new vehicle is delivered. Set tire pressure within the specified range before initializing. When a tire pressure sensor and/or tire pressure monitor ECU are replaced, the sensor ID must be memorized by the tire pressure monitor ECU prior to system initialization. See Tire Pressure Sensor Registration.

Initializing Tire Pressure Monitor System

CAUTION: Set tire pressure within the specified range before initializing. DO NOT

push the reset switch without adjusting tire inflation pressure of all 4 tires. Otherwise, the low tire pressure warning light may not come on even if the tire pressure is low, or it may come on when the tire inflation pressure is actually normal. If you push the reset switch while the vehicle is moving, initialization is not performed.

NOTE: When initializing the system, the present tire condition is stored as a standard.

NOTE: Perform the tire pressure adjustment after the vehicle has sufficiently cooled down. If it hasn't sufficiently cooled, increase the air pressure in the tires approximately 3-4psi (20-30kPa)

NOTE: The initialization mode can be terminated by making a short circuit between terminals No. 4 and 13 of the DLC3 connector (located under left side of instrument panel).

During initialization, the tire pressure monitor valve sub-assembly measures the inflation pressure of the tires, and registers the signals that are transmitted into the tire pressure monitor ECU at a frequency of one per minute. The initialization process is completed when the signals from the 4 tires have been received.

The initialization process is canceled if the ignition switch is turned to OFF position prior to the completion of initialization. To restart initialization, the tire pressure warning reset switch must be pressed again.

1. Set the tire pressure of all wheels to pressure specified on the tire and loading information label.
2. With the vehicle parked in a safe place, connect the intelligent tester to the DLC3 and turn POWER switch to the ON position.
3. Turn the intelligent tester ON and navigate to the "TIREPRESS" option using the on-screen prompts.
4. Within 30 seconds of turning the ignition ON, press and hold the tire pressure warning reset switch (located to the left of the steering wheel) until the tire pressure warning light blinks 3 times at one-second intervals.
5. Wait 5 - 6 minutes, with the ignition ON, for the initialization process to complete. If the initialization has not been completed successfully, Diagnostic Trouble Code (DTC) C2177/77 is set in the tire pressure monitor ECU about 20 minutes after driving starts.
6. Confirm that initialization is complete by verifying that the correct tire pressure values are displayed on the intelligent tester.

NOTE: In winter, tire pressure may decrease due to low ambient temperatures (about 1.45 psi (10 kPa) for every 18°F (10°C) drop in ambient temperature). Therefore, the tire pressure warning is more likely to operate if the tire pressures are not adjusted appropriately. If the daily temperature variation is large, pressurize the tires so that they are in the specified range under cold conditions. With this adjustment, unnecessary warnings are less likely.

NOTE: When a tire pressure sensor and/or tire pressure monitor ECU are replaced, the sensor ID must be memorized by the tire pressure monitor ECU prior to system initialization. To perform this procedure, a Toyota intelligent tester (with CAN VIM) must be used. It is not necessary to register the sensor ID(s) when only tire rotation is performed.

NOTE: Before beginning registration process on vehicles where tire pressure sensors have not been replaced, retrieve sensor transmitter ID(s) using intelligent tester or by reading the ID on the tire pressure sensor. If sensor is being replaced with a new one, make a note of the 8-digit number (transmitter ID) before installation, as it cannot be seen after sensor is installed.

1. Set the tire pressure of all wheels to pressure specified on the tire and loading information label.
2. Connect the intelligent tester (with CAN VIM) to DLC3. See **Fig. 11**.
3. Turn the ignition switch to ON position.
4. Select the "REGIST TIRE" mode (UTILITY - REGIST TIRE).
5. Input the transmitter ID(s) (ID1 to ID4), using the intelligent tester, and transmit them to the tire pressure warning ECU. See **Fig. 17** and **Fig. 18**.
6. Set the ID transmission condition to "ID REGISTRATION COMPLETE".

NOTE: Any previously registered ID(s) will be deleted from the memory when the registration is completed.

NOTE: If steps 4-6 are not completed within 5 minutes, the mode will return to the normal operation mode.

7. Turn ignition switch to OFF position.
8. Turn ignition switch to ON position. Select the "TIRE PRESS" mode on the intelligent tester.
9. Confirm that the tire pressure data is displayed for all 4 tires on the intelligent tester. This will confirm that the registration has been completed successfully.

NOTE: It may take 5 - 6 minutes to update the tire pressure data.

NOTE: If the ID(s) have not been registered, DTC C2171/71 is set in the tire pressure monitor ECU after about 3 minutes.

UTILITY
REGIST TIRE SET
Total Tires :5
Number of inputted
ID codes :0
Time :252 seconds

PRESS [ENTER]

UTILITY
REGIST TIRE SET

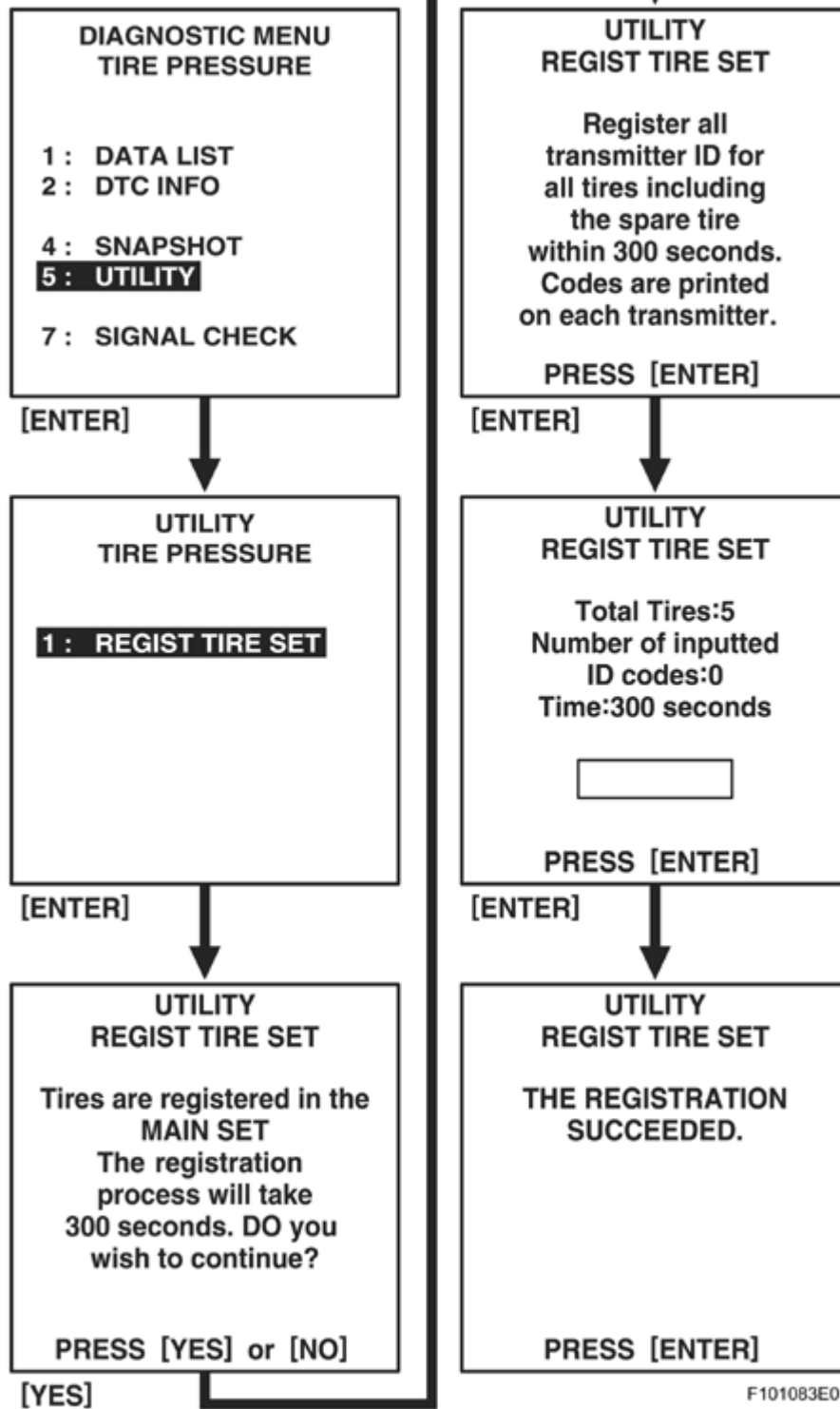
THE REGISTRATION
SUCCEEDED.

PRESS [ENTER]

G00445154

Fig. 17: Registering Transmitter ID Using Intelligent Tester (1 Of 2)
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

Registration Procedure



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Fig. 18: Registering Transmitter ID Using Intelligent Tester (2 Of 2)
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

TPMS RESET - PROCEDURE 14

- NOTE:** Initialization is NOT required if re-inflating tires to the currently specified tire pressure.
- NOTE:** The system will need to be initialized when tires are replaced with tires of different pressures; tire pressure sensor and/or tire pressure monitor ECU are replaced; or when a new vehicle is delivered. Set tire pressure within the specified range before initializing. If tire pressure sensor and/or tire pressure monitor ECU were replaced, ensure that tire pressure sensor IDs are registered prior to initialization. See Tire Pressure Sensor Registration.

Initializing Tire Pressure Monitor System

CAUTION: Set tire pressure within the specified range before initializing. DO NOT push the reset switch without adjusting tire inflation pressure of all 5 tires (including the spare tire). Otherwise, the low tire pressure warning light may not come on even if the tire pressure is low, or it may come on when the tire inflation pressure is actually normal. If you push the reset switch while the vehicle is moving, initialization is not performed.

- NOTE:** The initialization mode can be terminated by making a short circuit between terminals No. 4 and 13 of the DLC3 connector (located under left side of instrument panel).
- NOTE:** When initializing the system, the present tire condition is stored as a standard.

During initialization, the tire pressure monitor valve sub-assembly measures the inflation pressure of the tires, and registers the signals that are transmitted into the tire pressure monitor ECU at a frequency of one per minute. The initialization process is completed when the signals from the 5 tires have been received.

The initialization process is canceled if the ignition switch is turned to OFF position during initialization. To initialize again, the tire pressure warning reset switch must be pressed again. For this reason, once the tire pressure warning reset switch has been pressed, turning ignition switch to OFF position is not recommended for a minimum of 20 minutes.

1. Set the tire pressure of all wheels (including spare tire) to pressure specified on the tire and loading information label.
2. With the vehicle stopped and parking brake applied, turn the ignition switch to the ON position.
3. Press and hold the tire pressure warning reset switch (located under steering wheel) until the tire pressure warning light blinks 3 times at one-second intervals.
4. After 2-3 minutes, the initialization process should be completed. If the initialization has not been completed successfully, Diagnostic Trouble Code (DTC) C2177/77 is set in the tire pressure monitor ECU about 20 minutes after driving starts.
5. Confirm that initialization is complete using the intelligent tester. This may be done by checking for the

test DTCS (C2181/81 to C2191/91) to be indicated, or by ensuring that tire pressure values can be displayed on the tester (it can take 2-3 minutes to display tire pressure data).

NOTE: If outside temperatures are very low (such as in winter), which can cause decreases in tire pressure, leave ignition on for about 20 minutes after confirmation that initialization has been completed, and increase the tire inflation pressure by 3-4 psi (20-30 kPa).

Tire Pressure Sensor Registration

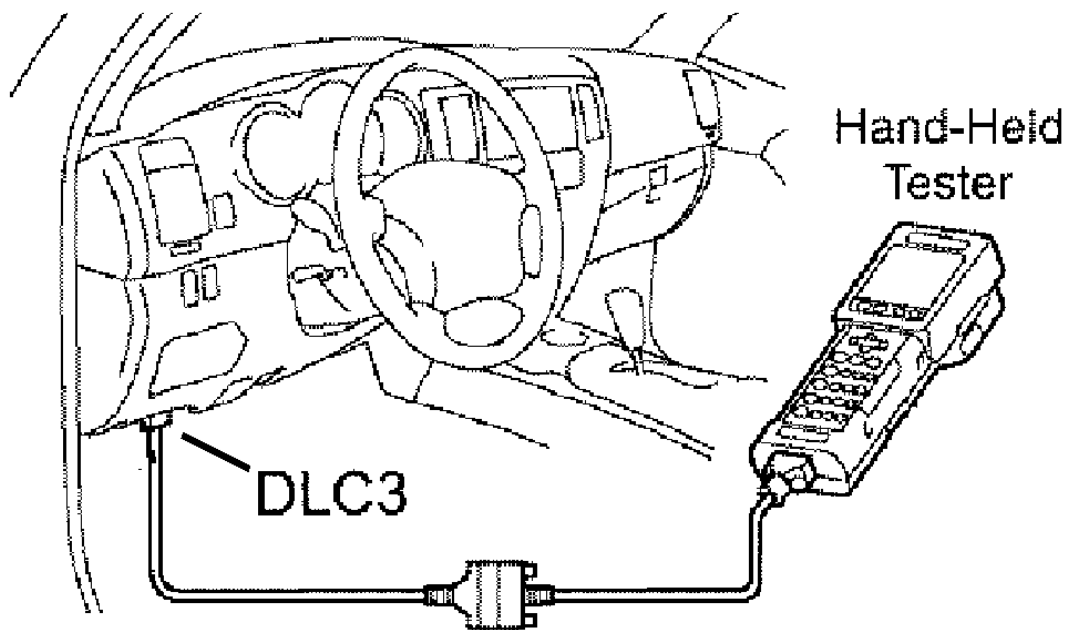
NOTE: When a tire pressure sensor and/or tire pressure monitor ECU are replaced, the sensor ID must be memorized by the tire pressure monitor ECU prior to system initialization. To perform this procedure, a Toyota intelligent tester must be used. It is not necessary to register the sensor IDs when only tire rotation is performed.

NOTE: If transmitter IDs cannot be registered, the tire pressure monitor ECU is probably in initialization mode. Initialization mode can be terminated by making a short circuit between terminals No. 4 and 13 of the DLC3 connector (located under left side of instrument panel).

NOTE: Before beginning registration process on vehicles where tire pressure sensors have not been replaced, retrieve sensor transmitter IDs using intelligent tester or by reading the ID on the tire pressure sensor. If sensor is being replaced with a new one, make a note of the 7-digit number (transmitter ID) before installation, as it cannot be seen after sensor is installed.

NOTE: When system is in initialization mode after the reset switch has been operated, the registration is disabled until the initialization process is canceled or completed.

1. Set the tire pressure of all wheels (including spare tire) to pressure specified on the tire and loading information label.
2. Connect the intelligent tester to DLC3. See **Fig. 19**.



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Fig. 19: Connecting Intelligent Tester To DLC3
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

3. Turn the ignition switch to the ON position.
4. Read and record the transmitter IDs (ID1 to ID5) by using the DATA LIST. See **Fig. 14**.
5. Input the transmitter IDs (ID1 to ID5) using the intelligent tester and transmit it to the tire pressure monitor ECU. See **Fig. 15**.
6. Select the "REGIST TIRE" mode.
7. Select the "MAIN" registration mode.
8. Set ID transmission condition to "COMPLETE".

NOTE: The previously registered IDs will be deleted from the memory when the registration is completed.

NOTE: If steps 4-8 are not completed within 5 minutes, the mode will return to the normal operation mode.

9. When intelligent tester confirms that ID registration has successfully been completed, turn ignition switch to OFF position.
10. Turn ignition switch to ON position. Select the "SIGNAL CHECK" mode on the intelligent tester.
11. Confirm that the transmitter IDs and the tire pressure data is displayed for all 5 tires on the intelligent tester.

NOTE: It may take up to one minute to update the tire pressure data.

NOTE: If the IDs have not been registered, DTC C2171/71 is set in the tire pressure monitor ECU after about 30 minutes.

TPMS RESET - PROCEDURE 15

NOTE: Initialization is NOT required if re-inflating tires to the currently specified tire pressure.

NOTE: The system will need to be initialized when tires are rotated; tires are replaced with tires of different pressures; tire pressure sensor and/or tire pressure monitor ECU are replaced. Set tire pressure within the specified range before initializing. See Initializing Tire Pressure Monitor System. When a tire pressure sensor and/or tire pressure monitor ECU are replaced, the sensor ID must be memorized by the tire pressure monitor ECU prior to system initialization. See Tire Pressure Sensor Registration.

Tire Pressure Monitor Warning Light

NOTE: The tire pressure warning light may turn on due to natural causes such as natural air leaks or tire pressure changes caused by temperature. In this case, adjusting the tire pressure will turn off the warning light.

When the tire pressure warning light does not go off, or when it comes on during driving, check tire pressure (including spare tire) and adjust as necessary. The warning light should turn off after a few minutes. If the warning light is still on even though the tire pressure is correctly adjusted, the tire could be punctured. Repair as necessary. If the warning light is still on or blinks, there is a malfunction in the TPM system. See appropriate manufacturer service information.

Under the following conditions, the system may not function properly:

- The areas, facilities or devices that use similar radio wave frequencies are located in the vicinity of the vehicle.
- A radio device of similar frequency is used in or near the vehicle.
- A lot of snow or ice is stuck to the vehicle, especially the wheels and around the wheel houses.
- The battery of the sensor has been depleted.
- A tire without tire pressure monitor valve sub-assembly is used.
- Tire chains are used.
- If any other wheels than the specified ones are used, the system may not function properly because the radio waves are differently transmitted from the tire pressure sensor.
- Depending on the tire type, the system may not function properly even though the specified wheels are used.

Initializing Tire Pressure Monitor System

NOTE: The system will need to be initialized when tires are rotated; tires are replaced with tires of different pressures; tire pressure sensor and/or tire pressure monitor ECU are replaced; or when a new vehicle is delivered. Set tire pressure within the specified range before initializing.

NOTE: When initializing the system, the present tire condition is stored as a standard.

During initialization, the tire pressure monitor valve sub-assembly measures the inflation pressure of the tires, and registers the signals that are transmitted into the tire pressure monitor ECU at a frequency of one per 3 minutes. The initialization process is completed when the signals from the 5 tires have been received.

1. Set the tire pressure of all wheels (including spare tire) to pressure specified on the tire and loading information label.
2. With the vehicle stopped and parking brake applied, turn the ignition switch to the ON position.
3. Press and hold the tire pressure warning reset switch until the tire pressure warning lamp blinks 3 times at one-second intervals.
4. Confirm that initialization is complete using the hand-held tester. First select "DATA LIST" on the hand-held tester, then verify that the "TIREPRESS" values are displayed. It may take 5 to 6 minutes for the "TIREPRESS" values to display on the hand-held tester screen

NOTE: The initialization process takes 5 to 6 minutes to be completed. The initialization process can be terminated by connecting terminals 4 (TC) and 13 (CG) of the DLC3.

Tire Pressure Sensor Registration

NOTE: If the tire pressure sensor and/or tire pressure monitor ECU are replaced, the transmitter ID needs to be registered in the tire pressure monitor ECU prior to system initialization. To perform this procedure, the Toyota hand-held tester must be used.

Register Transmitter ID

1. Set the tire pressure of all wheels (including spare tire) to pressure specified on the tire and loading information label.
2. Connect the hand-held tester to DLC3.
3. Turn ignition switch to ON position.
4. Select the "REGIST TIRE" mode. See **Fig. 14** and **Fig. 20** .
5. Input the transmitter IDs (ID1 to ID5) using the hand-held tester and transmit it to the tire pressure monitor ECU.
6. Set the ID transmission condition to "SUCCEEDED".

NOTE: If steps 4-6 are not completed within 5 minutes, the mode will return to the normal operation mode.

Confirmation Of Transmitter ID Registration

1. Set the tire pressure of all wheels (including spare tire) to the specified value.
2. Connect the hand-held tester to DLC3.
3. Turn ignition switch to ON position.
4. Select "DATA LIST" mode on the hand-held tester.
5. Confirm the "TIREPRESS" values are displayed on the hand-held tester screen.

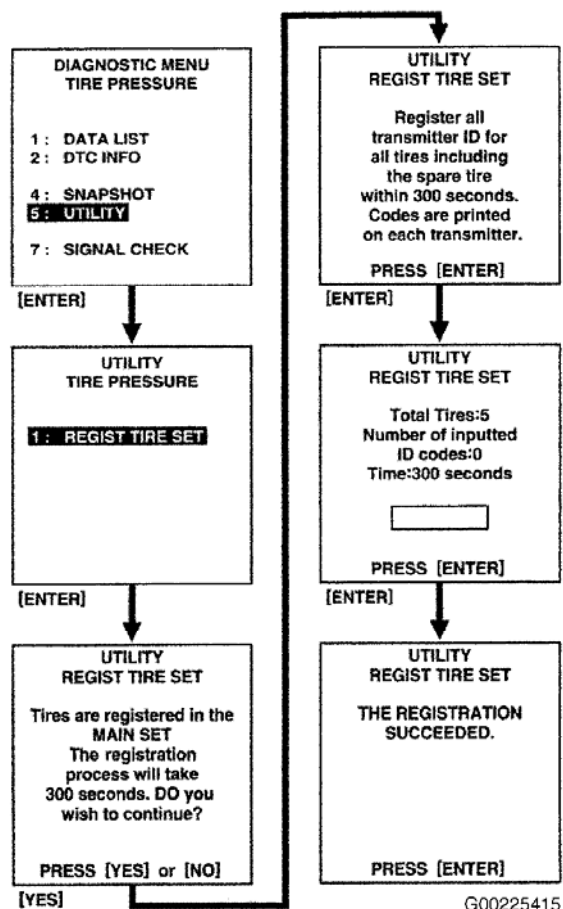


Fig. 20: Registering Transmitter ID Using Hand-Held Tester
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

TPMS RESET - PROCEDURE 16

NOTE: Reset is NOT required if re-inflating tires to the currently specified tire pressure.

NOTE: When a tire pressure sensor and/or tire pressure monitor ECU are replaced, the sensor ID must be memorized by the tire pressure monitor ECU. See Tire

Pressure Sensor Registration.

NOTE: If the negative battery terminal is disconnected, initialize the following system after the terminal is reconnected: Power Window Control System. Refer to owner's manual or appropriate manufacturer service information.

Tire Pressure Monitor Warning Light

When the tire pressure warning light does not go off, or when it comes on during driving, check tire pressure and adjust as necessary. The warning light should turn off within a few minutes. If the warning light is still on even though the tire pressure is correctly adjusted, the tire could be punctured. Repair as necessary. If the warning light turns on within several hours after adjusting the tire pressure, the tire may have a slow air leak. If the warning light is still on or blinks, there is a malfunction in the TPM system. See appropriate manufacturer service information.

NOTE: The tire pressure warning light may turn on due to natural causes such as natural air leaks or tire pressure changes caused by temperature. In this case, adjusting the tire pressure will turn off the warning light. Under the following conditions, the system may not function properly:

- Facilities or devices that use similar radio wave frequencies are located in the vicinity of the vehicle.
- A radio device of similar frequency is used near the vehicle.
- A lot of snow or ice is stuck to the vehicle, especially around the wheels or wheel housings.
- Tires and wheels are installed that are not equipped with a tire pressure sensor.
- Snow tires or tire chains are used.
- The battery of the sensor has been depleted.
- Wheels other than manufacturer factory wheels are used. If any other wheels than the specified ones are used, the system may not function properly because the radio waves are differently transmitted from the tire pressure sensor.
- Depending on the tire type, the system may not function properly even though the specified wheels are used.
- Using a different type of tire in combination with genuine tires.

Tire Pressure Sensor Registration

NOTE: When a tire pressure sensor and/or tire pressure monitor ECU are replaced, the sensor ID must be memorized by the tire pressure monitor ECU. To perform this procedure, a Toyota Techstream must be used. It is not necessary to register the sensor ID(s) when only tire rotation is performed.

NOTE: Before beginning registration process on vehicles where tire pressure sensors have not been replaced, retrieve sensor transmitter ID(s) using intelligent tester or by reading the ID on the tire pressure sensor. If sensor is being replaced with a new one, make a note of the transmitter ID before installation, as it cannot be seen after sensor is installed. See Fig. 21.

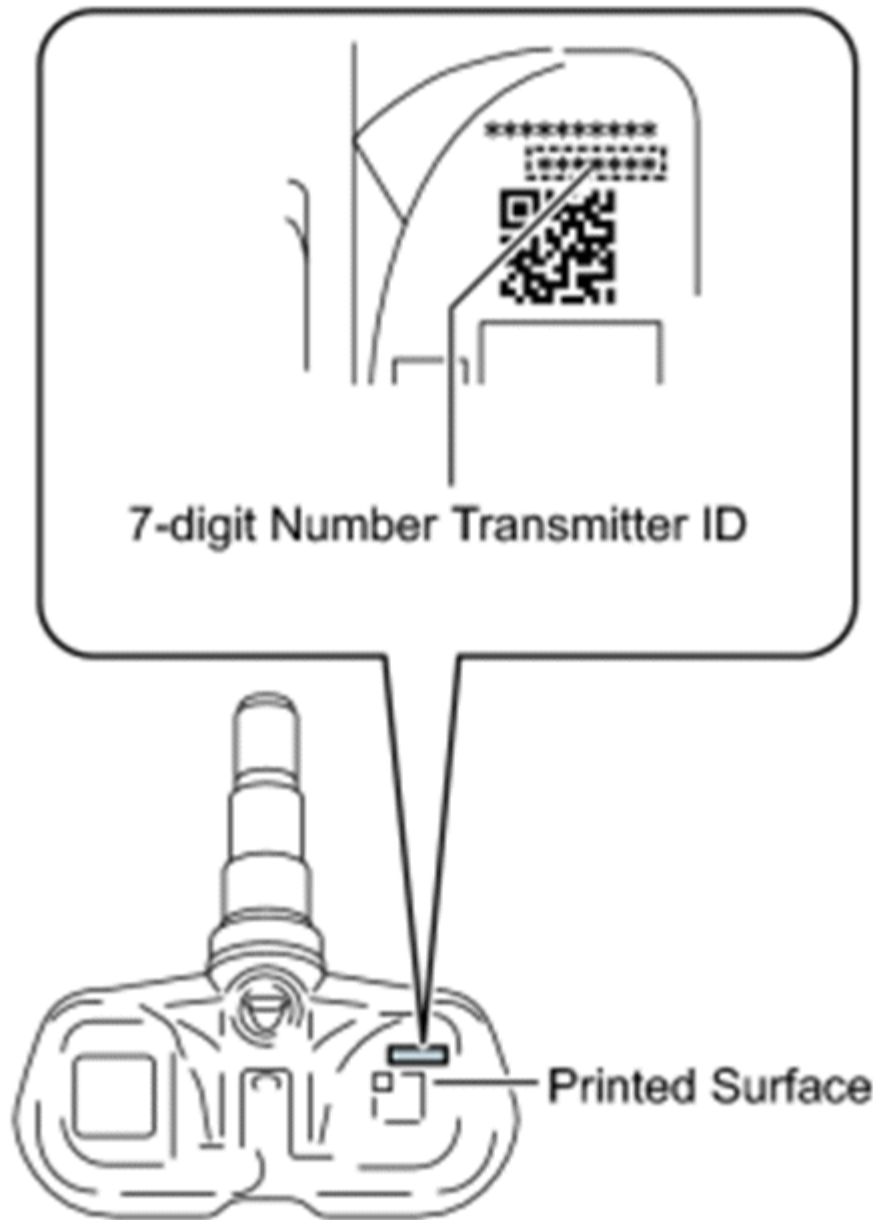


Fig. 21: Locating Tire Pressure Monitor Valve Sub-Assembly Transmitter ID
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

1. Set the tire pressure of all wheels to pressure specified on the tire and loading information label.
2. Connect the intelligent tester to DLC3. See Fig. 11.

3. Turn the Techstream scan tool on and the ignition switch to ON position.
4. Enter the following menus: Chassis / Tire Pressure Monitor / Utility / ID Registration.
5. Perform the procedure displayed on the scan tool.

NOTE: Tire pressure sensor IDs that were previously registered will be deleted from the memory when registration is completed.

6. Confirm the tire pressure sensor's IDs are registered:
7. Enter the following menus: Chassis / Tire Pressure Monitor / Data List.
8. Confirm the tire pressure values are displayed for all 4 tires.

NOTE: It may take up to 2 or 3 minutes to update the tire pressure data. If tire pressure values do not display after 2 or 3 minutes, troubleshoot DTCs C2121/21 to C2124/24 (on some models, up to C2125/25).

NOTE: If the ID(s) have not been registered, DTC C2171/71 is set in the tire pressure monitor ECU after 3 minutes or more.

TPMS RESET - PROCEDURE 17

NOTE: For Sequoia, this procedure applies to vehicles from September 2007 and later. For Sequoia models from 2005 up to August 2007, see TPMS RESET - PROCEDURE 7.

NOTE: Initialization is NOT required if re-inflating tires to the currently specified tire pressure.

The system will need to be initialized when tires are rotated; tires are inflated to a specification different from currently logged pressures; tire pressure sensor and/or tire pressure monitor ECU are replaced. See Initialization. When a tire pressure sensor and/or tire pressure monitor ECU are replaced, the sensor IDs must be memorized by the tire pressure monitor ECU prior to system initialization. See Registration.

Registration

NOTE: The transmitter ID is written on the tire pressure warning valve and transmitter. It will be unable to be read after installing the tire pressure warning valve and transmitter on the tire and wheel. Therefore, take a note of the transmitter ID before installing the tire pressure warning valve and transmitter.

1. Set the air pressure of all wheels to the specified value
2. Turn the ignition switch off.
3. Connect Techstream to the DLC3.
4. Turn the ignition switch on (IG) and the Techstream on.

5. Enter the menu items in this order: Chassis / Tire Pressure Monitor / Utility / ID Registration
6. Perform the transmitter ID registration.
7. Input the transmitter IDs (ID1 to ID5) using the Techstream and transmit them to the tire pressure warning ECU.
8. The "ID Registration is complete" is displayed on the Techstream display.
9. Confirm transmitter ID registration.
 - a. Enter the menu items in this order: Chassis / Tire Pressure Monitor / Data List
 - b. Read the "ID Tire Inflation Pressure" values.
 - c. Confirm that the data of tire pressure of all tires are displayed on the screen.

NOTE:

- It may take up to about 2 or 3 minutes to update the tire pressure data. If the values are not displayed after a few minutes, perform troubleshooting according to the inspection procedure for DTCs C2121/21 to C2124/24 (on models with full-sized spare, up to C2125/25).
- If the IDs have not been registered, DTC C2171/71 is set in the tire pressure warning ECU after 3 minutes or more.
- If normal pressure values are displayed, the IDs have been registered correctly.
- If the tire pressure values are not displayed after a few minutes, the IDs may be incorrect or the system may have a malfunction.
- After all IDs are registered, DTC C2126/26 (Transmitter ID not Received in Main Mode) is set in the tire pressure warning ECU and the tire pressure warning light blinks for 1 minute and then comes on. When the tire pressure warning ECU successfully receives radio waves from all the transmitters whose IDs are stored in the ECU, DTC C2126/26 is deleted and the tire pressure warning light goes off.

Initialization

NOTE: Initialization is NOT required if re-inflating tires to the currently specified tire pressure.

The purpose of Initialization is to tell the TPMS ECU what the inflation pressures should be for the current set of tires. Perform Initialization if the specification changes.

Also perform initialization in the following cases:

- After replacement of the tire pressure warning ECU. Perform initialization after the transmitter ID registration is completed.
- After replacement of the tire pressure warning valve and transmitter. Perform initialization after the transmitter ID registration is completed.
- After rotating the tires on vehicles whose front and rear tire inflation pressure standard values are different.

1. Turn the ignition switch to ON.
2. Press and hold the tire pressure warning reset switch for 3 seconds or more so that the tire pressure warning light blinks 3 times.
3. Turn the ignition switch to OFF.
4. Connect Techstream to the DLC3.
5. Turn the ignition switch to ON and turn the tester on.
6. Enter the following menus: Chassis / Tire Pressure Monitor / Data List.
7. Check that the initialization has been completed.
8. Confirm that the tire pressure data of all tires are displayed on the tester screen.

NOTE:

- The initialization is normally completed within 2 to 3 minutes.
- If the initialization has not been completed successfully, DTC C2177/77 is set after a vehicle speed of 8 km/h (5 mph) or more continues for 20 minutes or more.
- The initialization can be terminated by connecting terminals 13 (TC) and 4 (CG) of the DLC3 connector.

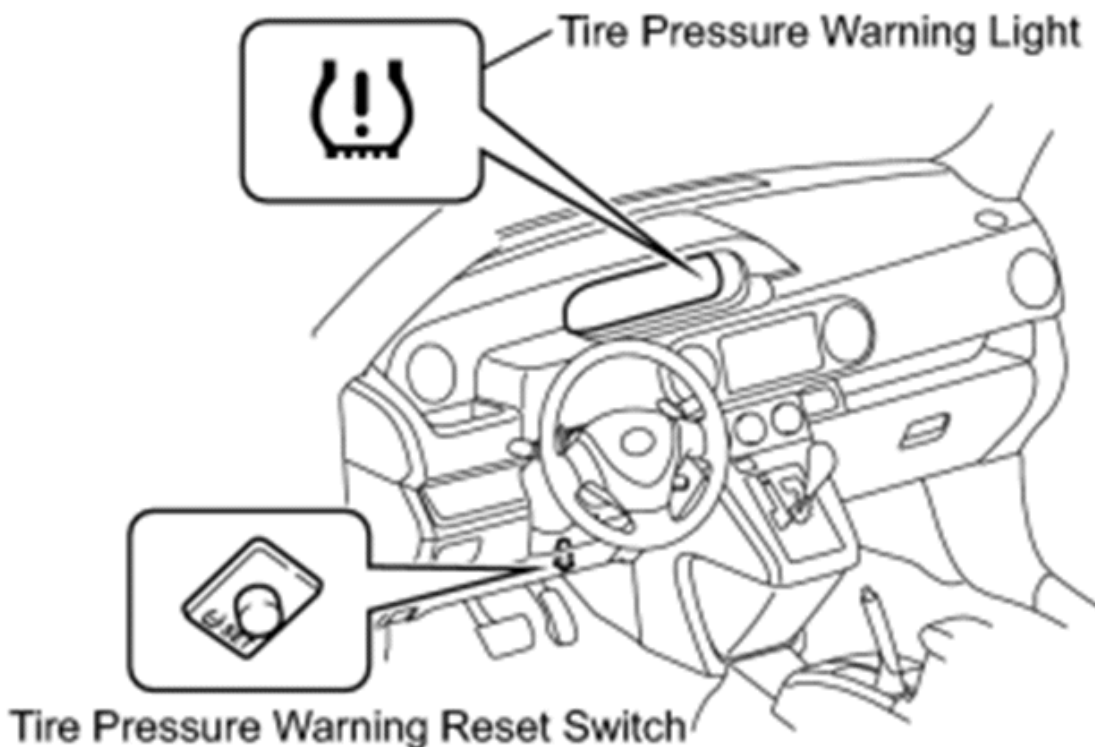


Fig. 22: Identifying Tire Pressure Warning Reset Switch (Typical)
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.