

GENERAL INFORMATION

Service Reminder Indicators - Toyota

ENGINE OIL CHANGE REMINDER LIGHT

1991-97 PREVIA

1. At 12,000 mile intervals, OIL CHANGE light will come on as a reminder to change oil and oil filter. After changing oil and filter, reset warning light mileage counter.
2. To reset mileage counter, remove plug from instrument panel faceplate below speedometer. Insert a small punch or rod through plug hole and depress knob. See **Fig. 1**. Reset mileage counter after oil and filter change even if light has not come on.

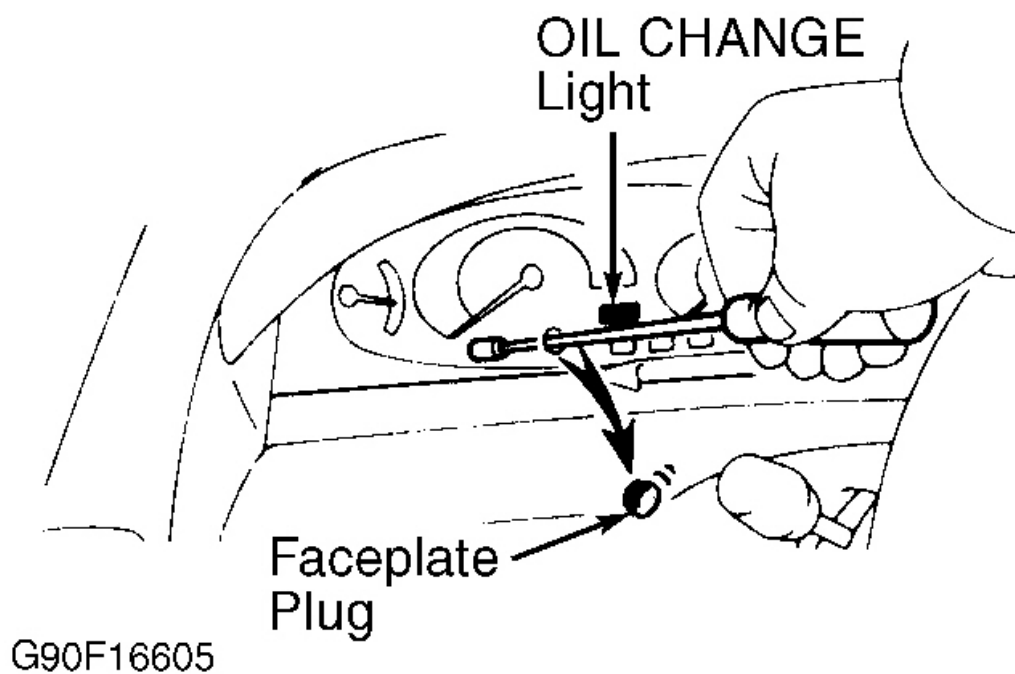


Fig. 1: Resetting Engine OIL CHANGE Indicator Light (Previa)

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

1998-04 SIENNA

1. To reset MAINT reminder light after engine oil replacement, turn ignition switch to OFF position with odometer reading showing. Turn ignition switch to ON position while holding down trip meter RESET

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button. RESET button is located between speedometer and tachometer.

2. Hold trip meter RESET button down for at least 5 seconds. Odometer should indicate "000000", and MAINT reminder light goes out. If system fails to reset, light will remain flashing.

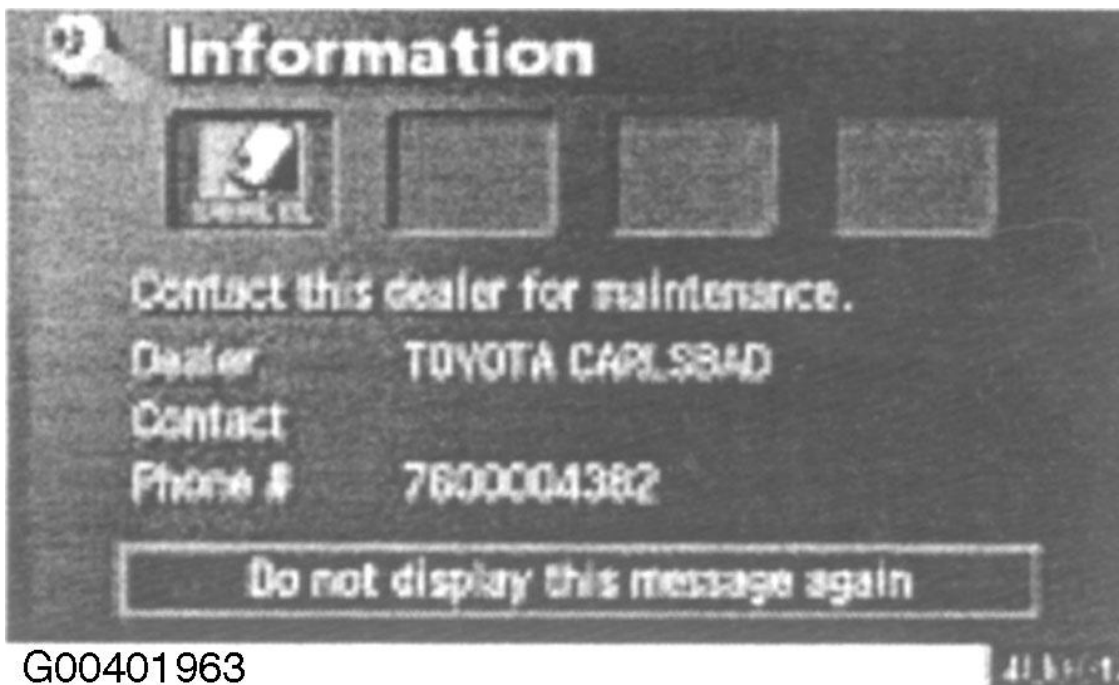
2001-08 PRIUS

1. To reset MAINT reminder light after engine oil replacement, press POWER switch to OFF mode, with odometer reading showing. Press POWER switch twice to select IG-ON mode, while holding down trip meter RESET button. RESET button is located next to emergency flasher.
2. Hold trip meter RESET button down for at least 5 seconds. Odometer should indicate "000000", and MAINT reminder light goes out. If system fails to reset, light will remain flashing.

2001-05 SEQUOIA

Maintenance Information

This system informs when to replace certain parts or components and shows dealer information (if registered) on the screen. When the navigation system begins operating after either the information item's date comes or driving information item's date comes or the driving distance reaches the "information" screen will be displayed. This screen will appear every time the system is turned on until the "Do not display this message again" switch has been touched.



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Fig. 2: Displaying Information Screen

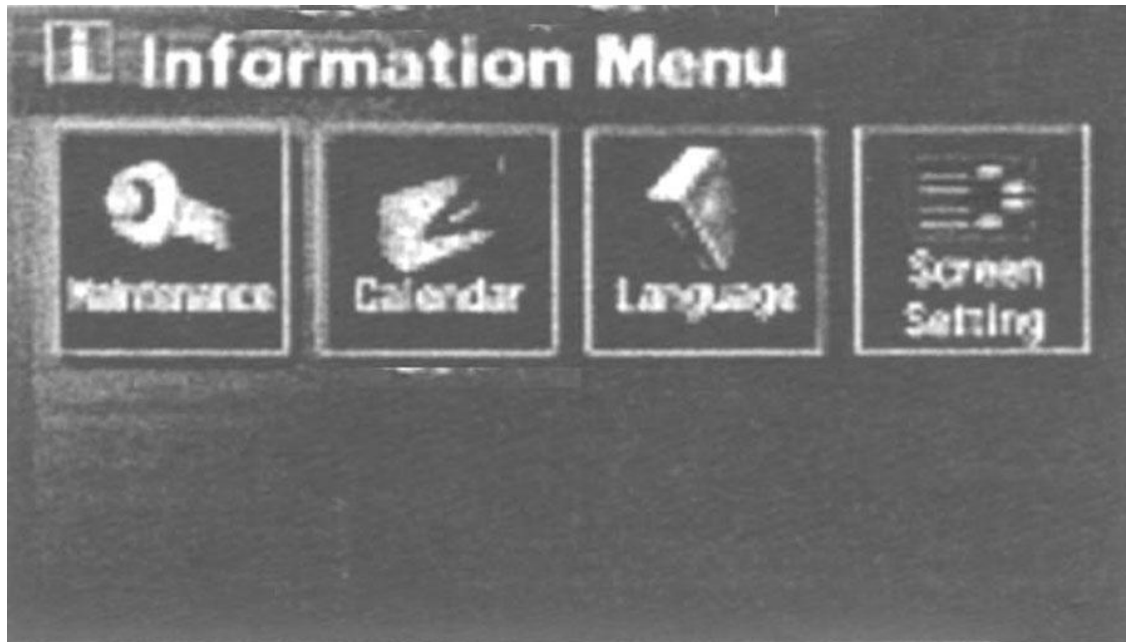
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

To prevent this information screen from being displayed again, the "Do not display this message again" switch should be touched.

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1. Push "INFO" button to display the "Information Menu" screen. Touch "Maintenance" switch to display the "Maintenance" screen.



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Fig. 3: Displaying Information Menu Screen
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

2. Touch the desired icon and input the conditions.

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Fig. 4: Displaying Maintenance Screen

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

Notice of "Date": Next maintenance date could be inputted.

Notice of "Distance": Driving distance until the next maintenance check could be inputted.

When touching the "maintenance" screen, the "Personal Event" screen. Touch the keys to input the desired name and then input conditions. After data and/or has been input touch "OK" switch. Screen should then return to the "Maintenance" screen.

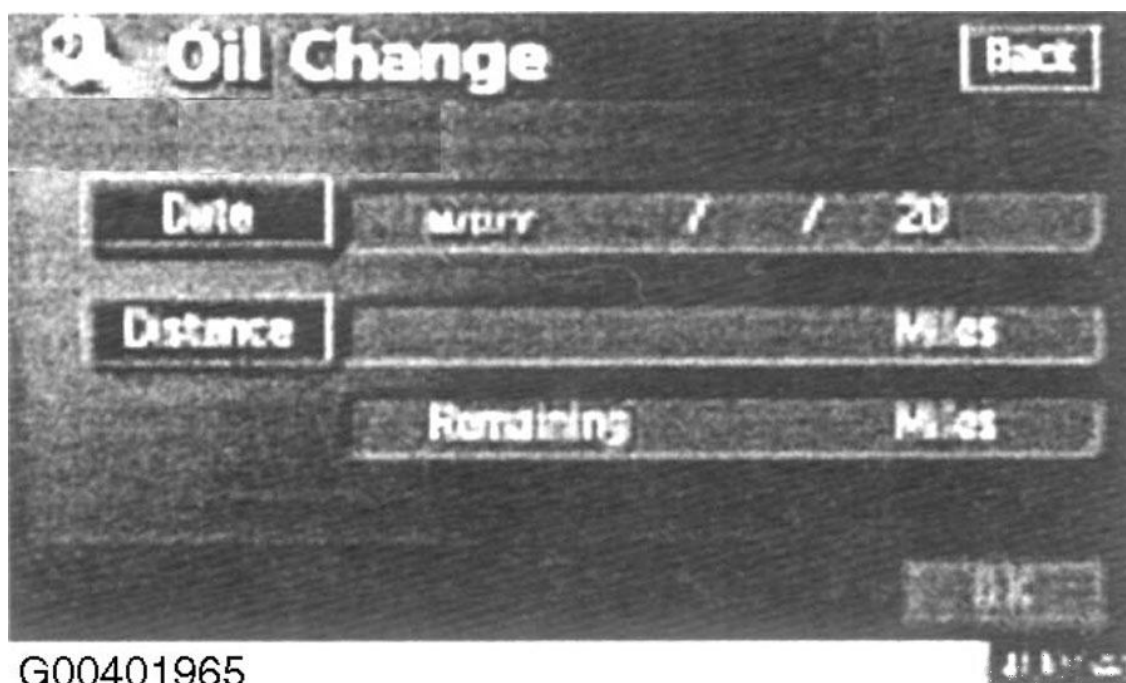


Fig. 5: Displaying Next Oil Change Setup Screen

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

The following switches appear:

"Delete All": To cancel all conditions which have been inputted.

"Reset All": To Reset the item which has satisfied a condition. Touch the "OFF" switch at the top of the "Maintenance" screen to turn off the information screen. When your vehicle needs to be serviced, the icon color will change to orange.

NOTE:

- For scheduled maintenance information please refer to "Owner's Manual Supplement".
- Depending on the driving or road conditions, the actual date and distance may differ from the stored date and distance in the system.

Information Items:

- Oil change
- Replace oil filter
- Rotate tires
- Replace tires
- Replace battery
- Replace brake linings
- Replace wiper blades

- Replace Engine Coolant
- Replace brake fluid
- Replace ATF
- Schedule maintenance
- Replace air filter
- Personal event

2003-05 LAND CRUISER

1. To reset MAINT REQD light after engine oil replacement, turn ignition switch to OFF position with odometer reading shown. Turn ignition switch to ON position while holding down ODO/TRIP reset button on instrument cluster. See **Fig. 6**.

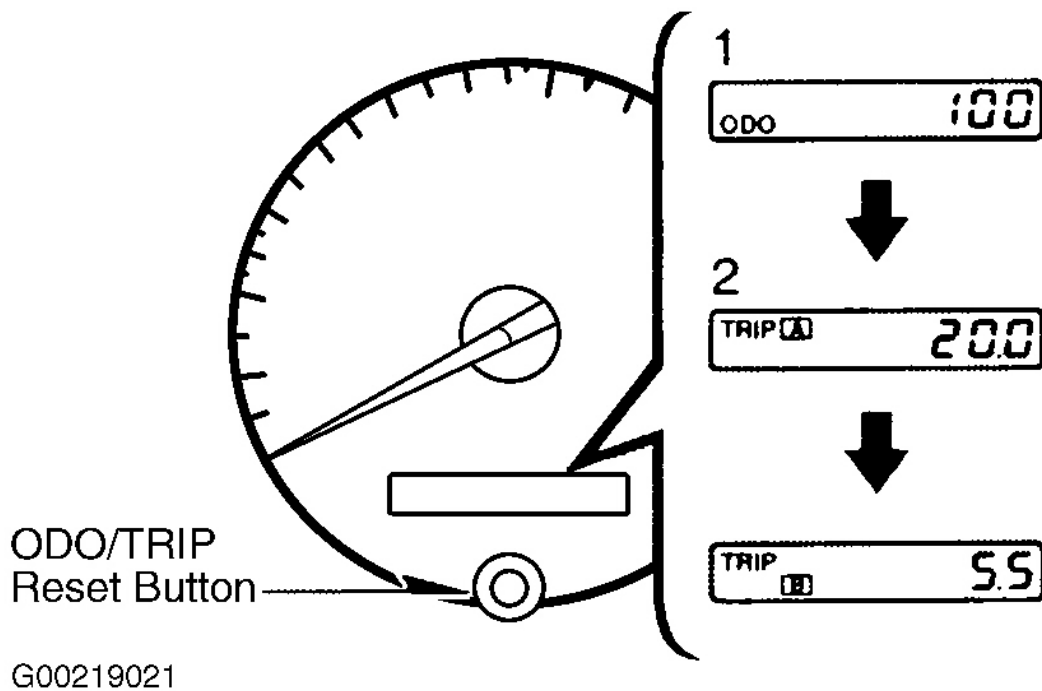


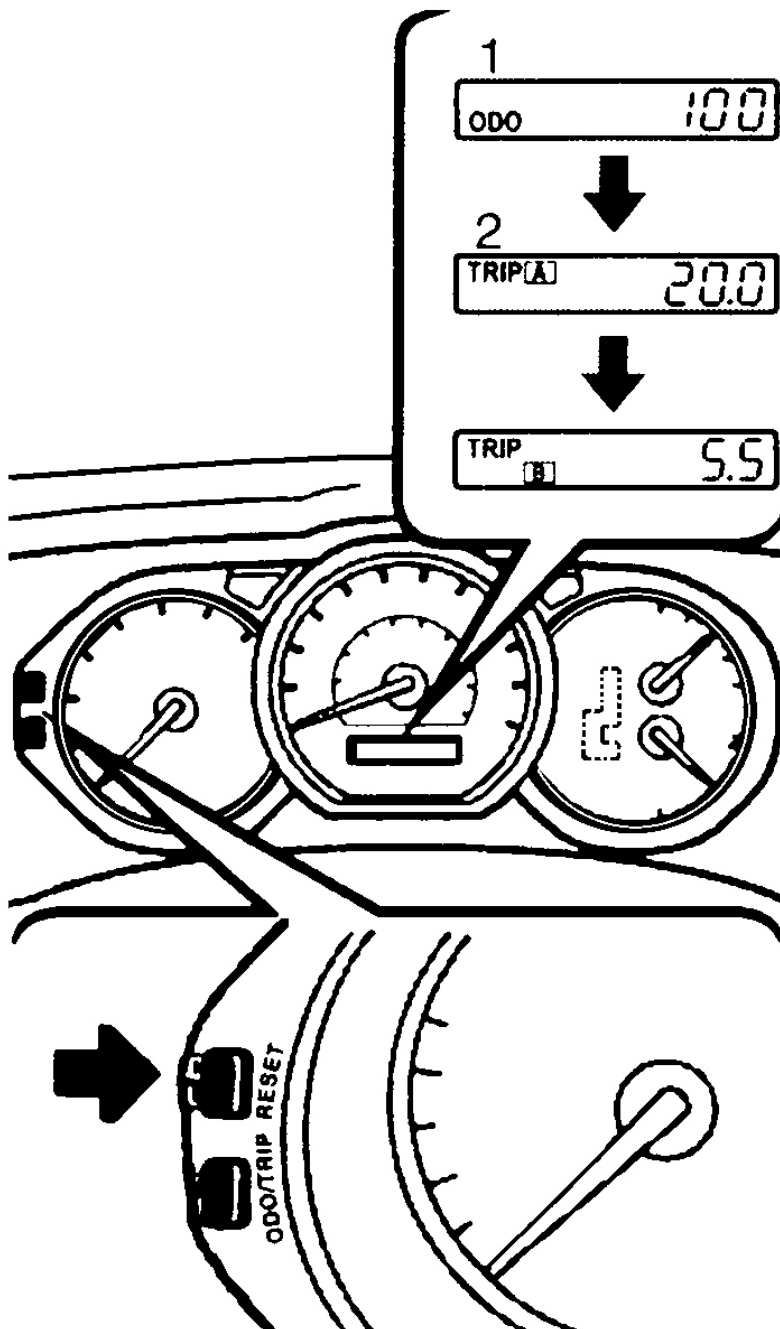
Fig. 6: Locating ODO/TRIP Reset Button (Land Cruiser)

Courtesy of NISSAN MOTOR CO., U.S.A.

2. 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. If system fails to reset, MAINT REQD light will remain flashing.

2003-04 4RUNNER

1. To reset MAINT reminder light after engine oil replacement, turn ignition key to OFF position with odometer reading showing. Turn ignition key to ON position while holding down trip meter RESET button, located at left side of tachometer. See **Fig. 7**.



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Fig. 7: Locating RESET Button (4Runner)

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

2. Hold trip meter RESET button down until MAINT reminder light goes out. Before MAINT reminder light goes out, it will illuminate for 3 seconds, flash for 2 seconds and illuminate for one second. If system fails to reset, the light will remain flashing.

2004 CAMRY, CAMRY SOLARA, HIGHLANDER & RAV4

1. To reset MAINT reminder light after engine oil replacement, turn ignition switch to OFF position with odometer reading showing. Turn ignition switch to ON position while holding down trip meter RESET button.
2. On Camry, RESET button is located under tachometer. On all other models, RESET button is located under speedometer. Hold trip meter RESET button down for at least 5 seconds. Odometer should indicate "000000", and MAINT reminder light goes out. If system fails to reset, light will remain flashing.

2004-05 TUNDRA

To reset reminder light after engine oil replacement, turn ignition key to ACC or LOCK position with odometer reading showing. Turn ignition key to ON position while holding down trip meter RESET button. Hold trip meter RESET button down at least 5 seconds. Odometer will indicate 000000 and light will go out. If system fails to reset, the light will remain flashing.

2005 ALL MODELS EXCEPT AVALON, CELICA, ECHO, MR2, SEQUOIA & TUNDRA

1. To reset MAINT reminder light after engine oil replacement, turn ignition switch to OFF position with odometer reading showing. Turn ignition switch to ON position while holding down trip meter RESET button.
2. On Camry, RESET button is located under tachometer. On all other models, RESET button is located under speedometer. Hold trip meter RESET button down for at least 5 seconds. Odometer should indicate "000000", and MAINT reminder light goes out.
3. On 4Runner & Land Cruiser, before the light goes off, light will illuminate for 3 seconds, flash for 2 seconds and illuminate for 1 second. If system fails to reset, light will remain flashing.

2006-08 AVALON, COROLLA, FJ CRUISER, HIGHLANDER, LAND CRUISER, MATRIX, SEQUOIA, SIENNA & 4RUNNER

1. To reset MAINT reminder light after engine oil replacement, turn ignition switch to OFF position with odometer reading showing. Turn ignition switch to ON position while holding down trip meter RESET button.
2. Hold trip meter RESET button down for at least 5 seconds. Odometer should indicate "000000" and MAINT reminder light goes out.

2006-08 TUNDRA

1. To reset MAINT reminder light after engine oil replacement, turn ignition switch to OFF position. Select

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TRIP (A) odometer reading. Turn ignition switch to ON position while holding down trip meter RESET button.

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

2006-08 CAMRY HYBRID, CAMRY SOLARA, RAV4 & YARIS

1. To reset MAINT reminder light after engine oil replacement, turn ignition switch to OFF position with odometer showing TRIP A. Turn ignition switch to ON position while holding down trip meter RESET button.
2. Hold trip meter RESET button down for at least 5 seconds until odometer indicates "000000" and MAINT reminder light goes out.

2006-08 TACOMA

1. To reset MAINT reminder light after engine oil replacement, turn ignition switch to OFF position with odometer reading displayed. Turn ignition switch to ON position while holding down trip meter RESET knob.
2. Hold trip meter RESET knob down for at least 5 seconds until odometer indicates "000000" and MAINT reminder light goes out.

OXYGEN SENSOR WARNING LIGHT

1980-81 MODELS WITH OXYGEN SENSOR WARNING LIGHT

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. 8**.

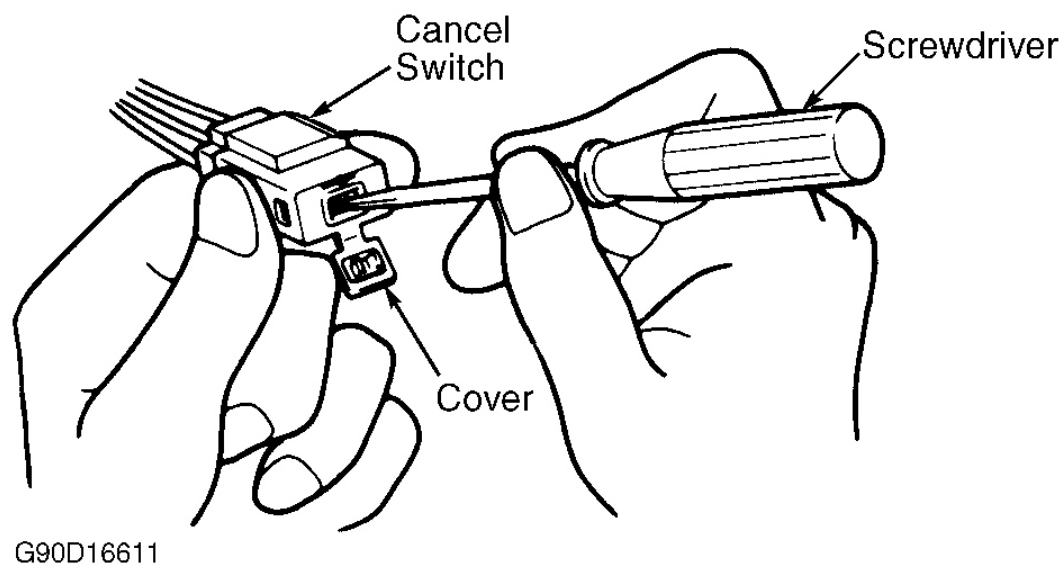


Fig. 8: Resetting Oxygen Sensor Warning Light Counter (1980-81 Toyota Models)
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

TIMING BELT REMINDER LIGHT

1981-87 DIESEL PICKUPS

T. 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. 9**.

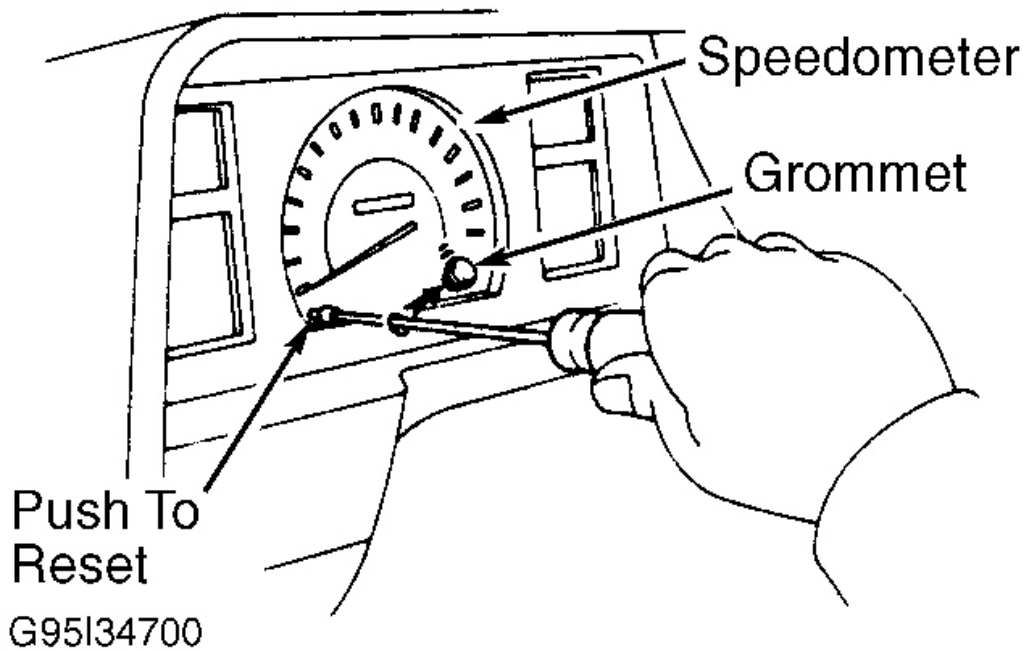


Fig. 9: Resetting Speedometer Counter (Toyota Diesel Pickups)
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

TIRE PRESSURE MONITOR SYSTEM

1998-06 SIENNA

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.INITIALIZING TIRE PRESSURE MONITOR SYSTEM.

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.

Initializing Tire Pressure Monitor System

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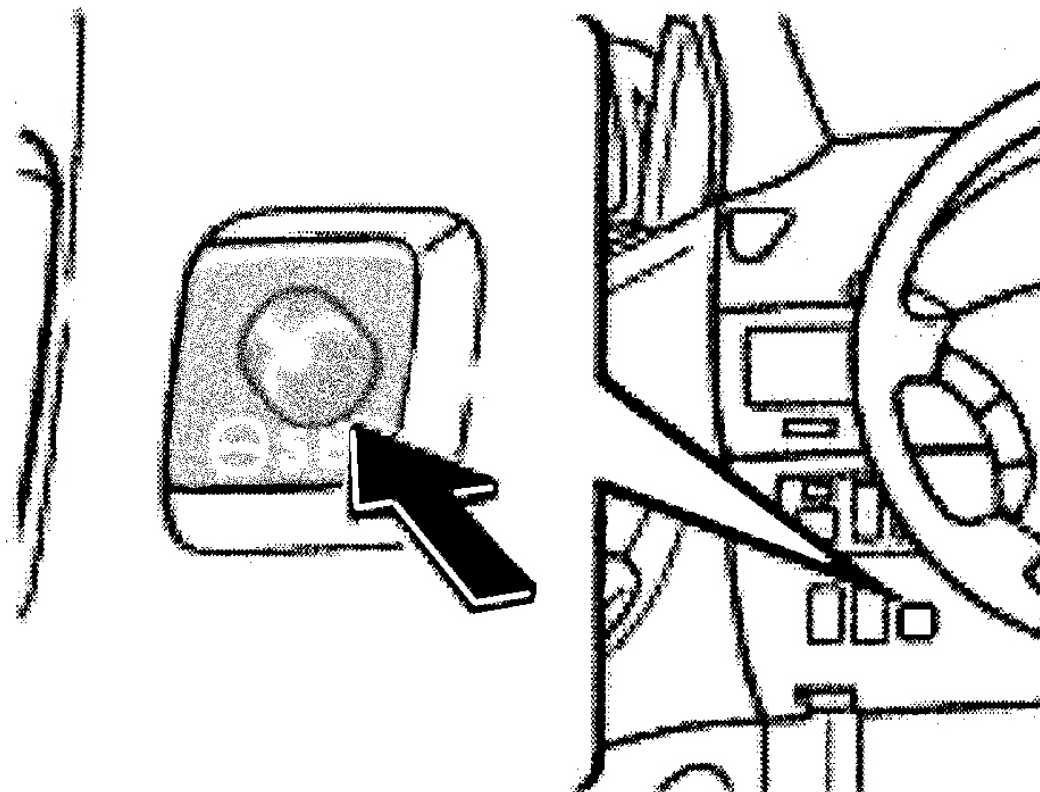
GENERAL INFORMATION Service Reminder Indicators - Toyota

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. 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. 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.



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Fig. 10: Locating TPM System Reset Switch

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

2004-06 CAMRY SOLARA

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 INITIALIZING TIRE PRESSURE MONITOR SYSTEM.

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.

Initializing Tire Pressure Monitor System

CAUTION: DO NOT push the reset switch without adjusting tire inflation pressure.

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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.

2004-08 HIGHLANDER

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 INITIALIZING TIRE PRESSURE MONITOR SYSTEM.

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.

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Initializing Tire Pressure Monitor System

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.

2004-05 RAV4

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 INITIALIZING TIRE PRESSURE MONITOR SYSTEM.

Initializing Tire Pressure Monitor System

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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.

2004-08 4RUNNER

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 systems after the terminal is reconnected: power window, power back window, back door and moon roof. Refer to owner's manual or appropriate manufacturer service information.

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 go out 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 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 near the vehicle.
- A lot of snow or ice is stuck to the vehicle, especially around the wheels or wheel housings.
- A tire without tire pressure sensor is used.
- 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.
- Depending on the tire type, the system may not function properly even though the specified wheels are used.

Tire Pressure Sensor Registration

NOTE: When a 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 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. See **Fig. 11**.
3. Turn the ignition switch to the ON position.
4. Read and record the transmitter ID by using the DATA LIST. See **Fig. 12**.
5. Select the "MAIN" registration mode.

6. Input the transmitter ID using the hand-held tester and transmit it to the tire pressure monitor ECU.
7. Set ID transmission condition to "COMPLETE".

NOTE: If steps 4-7 are not completed within 5 minutes, the mode will return to the normal operation mode.

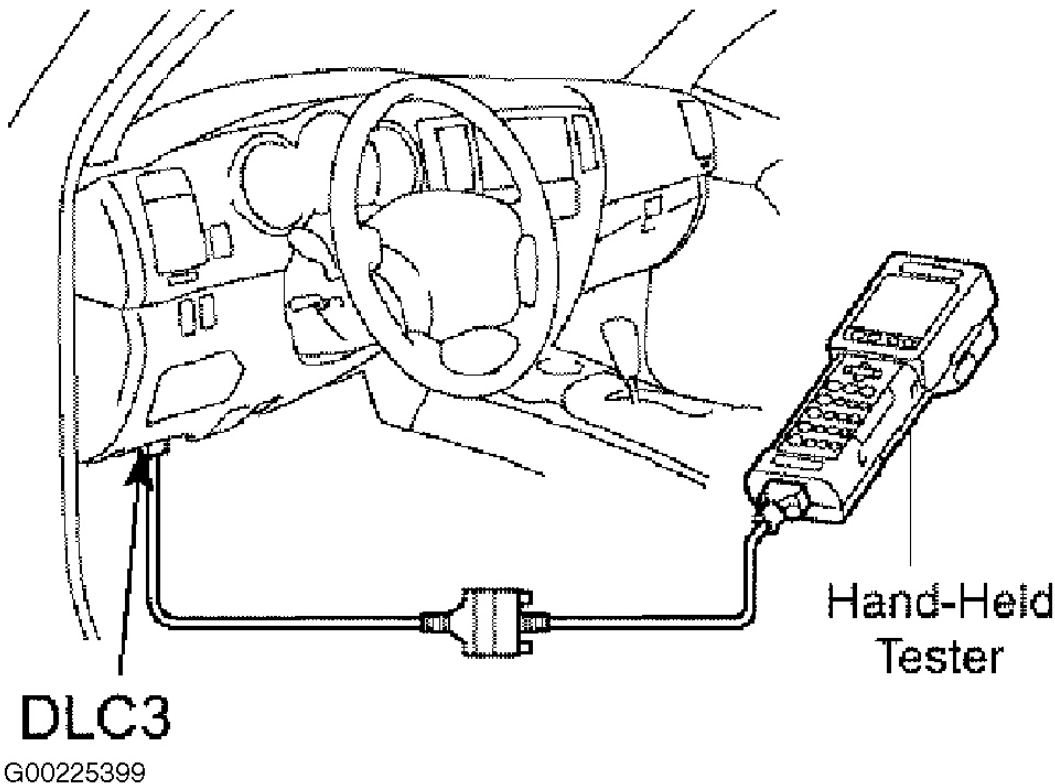
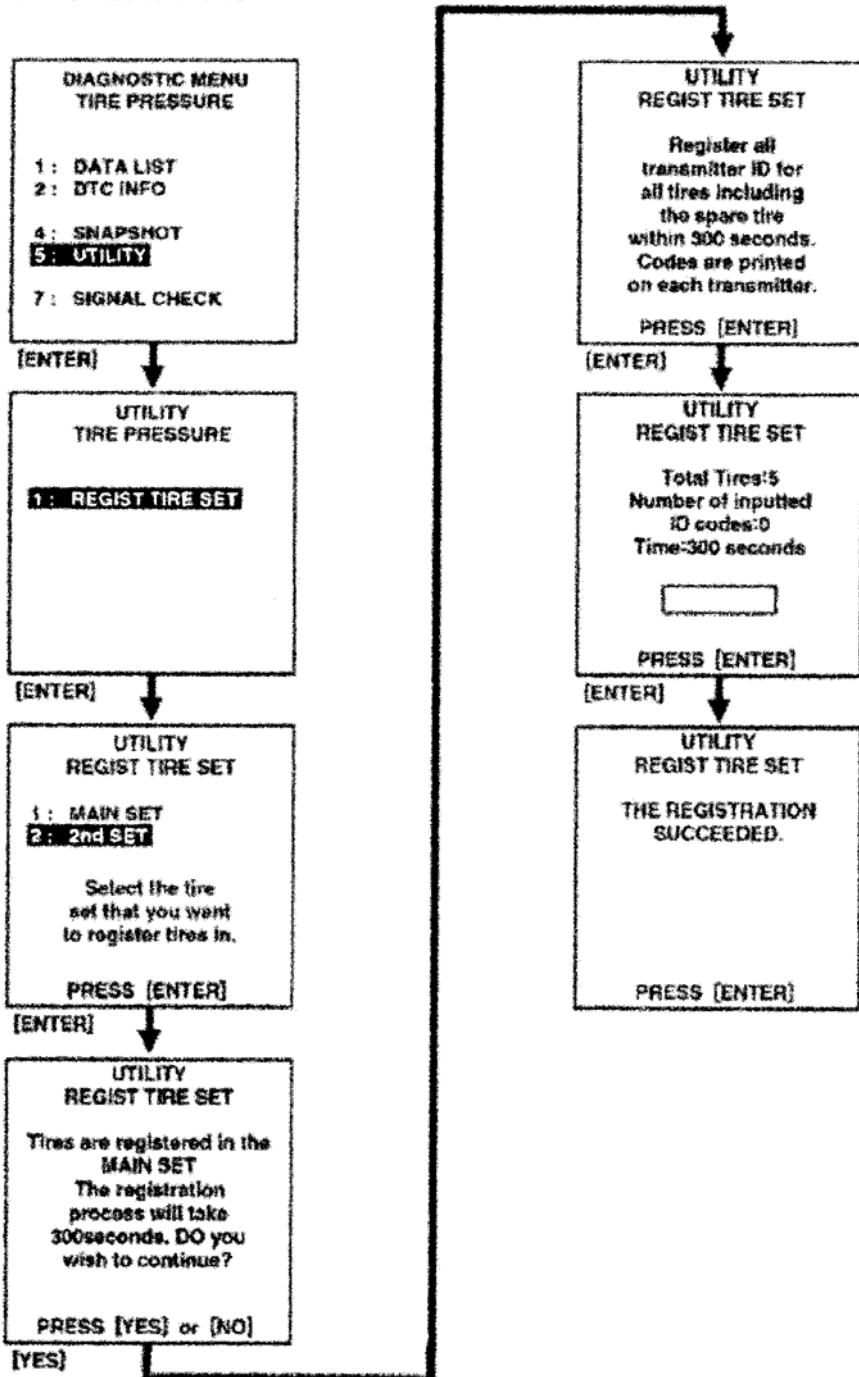


Fig. 11: Connecting Hand-Held Tester To DLC3
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

Tester Menu Flow:



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Fig. 12: Registering Transmitter ID

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

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1. Set the tire pressure of all wheels (including spare tire) to specification.
2. Connect the hand-held tester to DLC3.
3. Turn ignition switch to ON position.
4. Select the "SIGNAL CHECK" mode on the hand-held tester.
5. Forcibly transmit the transmitter IDs for all wheels.

NOTE: The transmitter ID can be transmitted by rapidly reducing the tire pressure by 6 psi (40 kPa) or more within 30 seconds for each tire. When rapidly reducing the pressure, loosen the valve core.

6. Check that test mode DTCs C2181/81, C2182/82, C2183/83, C2184/84 and C2185/85 are all erased. If they haven't been erased, reset the tire pressure to the specified value and rotate the tire 90-270 degrees. Then forcibly transmit the transmitter IDs of all wheels. If DTCs are still output, register the transmitter IDs again. See Register Transmitter ID.
7. Ensure tire pressure of all wheels (including spare tire) is set to specification.

2005-07 COROLLA

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. See INITIALIZING TIRE PRESSURE MONITOR SYSTEM.

Initializing Tire Pressure Monitor System

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. 13.

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.

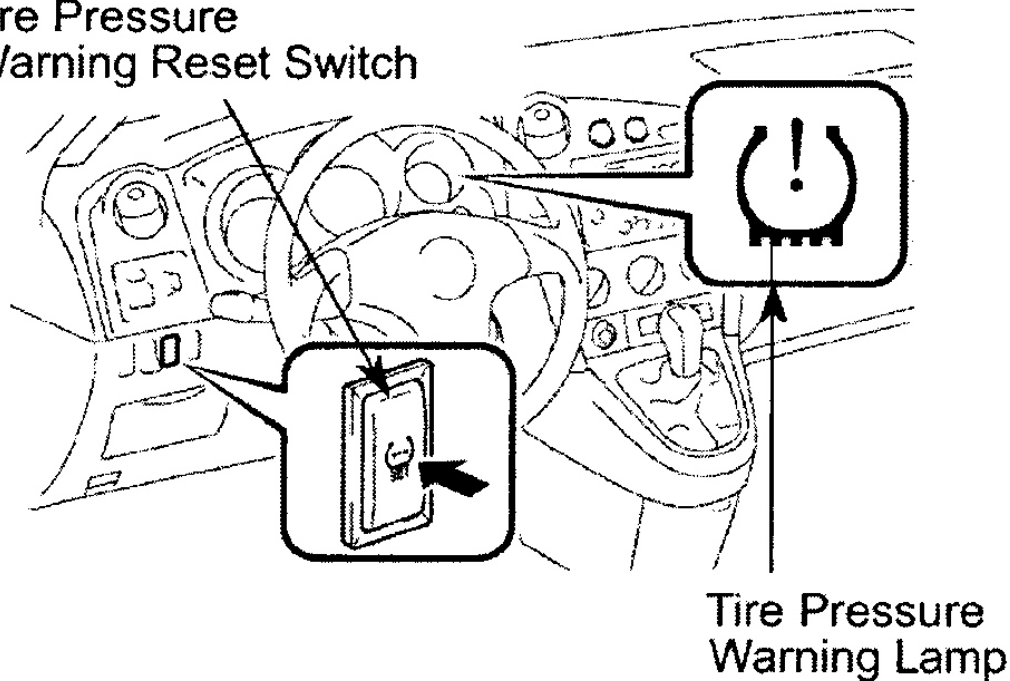
4. Drive the vehicle at 19 MPH (30 KM/H) or more to complete the initialization of the skid control ECU (it takes more than one hour). See Fig. 14. Vehicle should be driven under the following conditions:

- 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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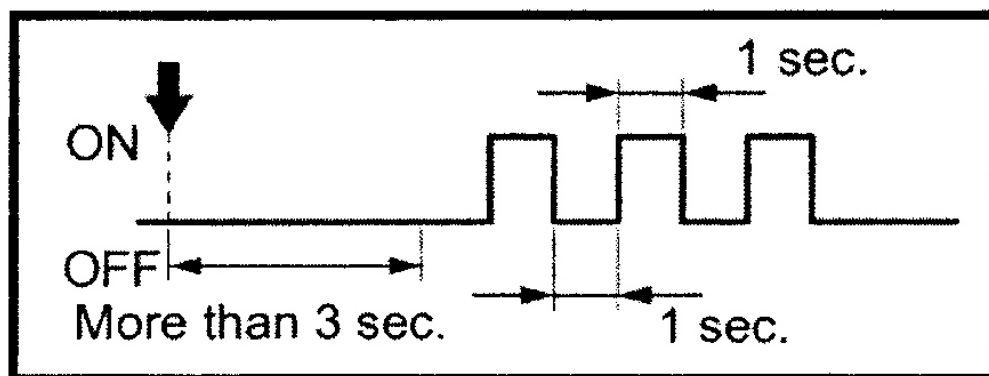
Fig. 13: Locating TPM System Reset Switch

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

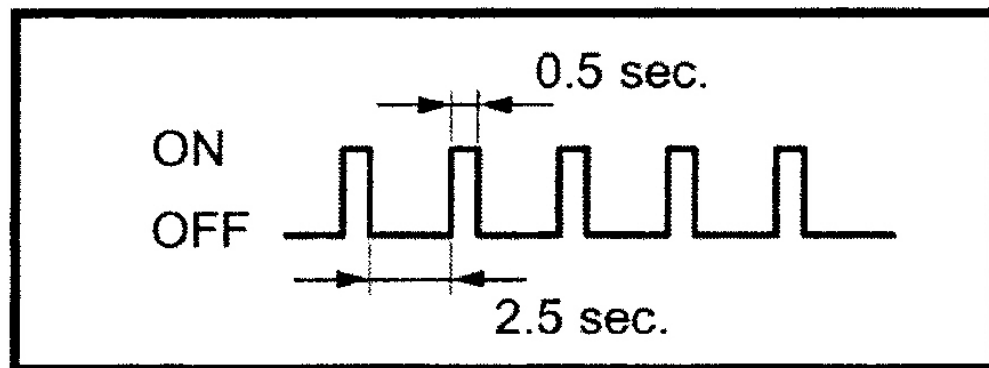
Lamp Output Pattern:

- 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. 14: Initializing TPM System

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

2005-07 MATRIX

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. See

INITIALIZING TIRE PRESSURE MONITOR SYSTEM.**Initializing Tire Pressure Monitor System**

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.

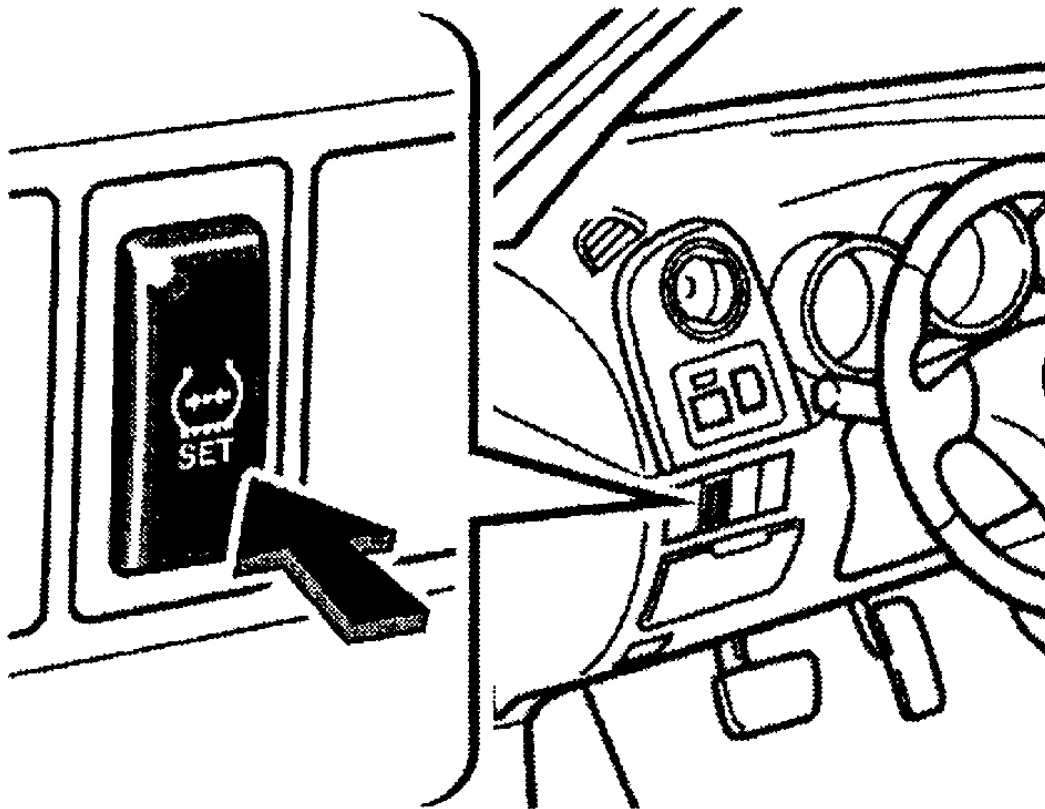
1. Set the tire pressure of all wheels to pressure specified on the tire and loading information label.
2. With vehicle stopped and parking brake applied, turn ignition switch to ON position.
3. Press and hold the tire pressure warning reset switch until the tire pressure warning light blinks 3 times at one-second intervals. See **Fig. 15**.

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.



G00225448

Fig. 15: Locating TPM System Reset Switch

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

2005-08 LAND CRUISER & SEQUOIA

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. 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.

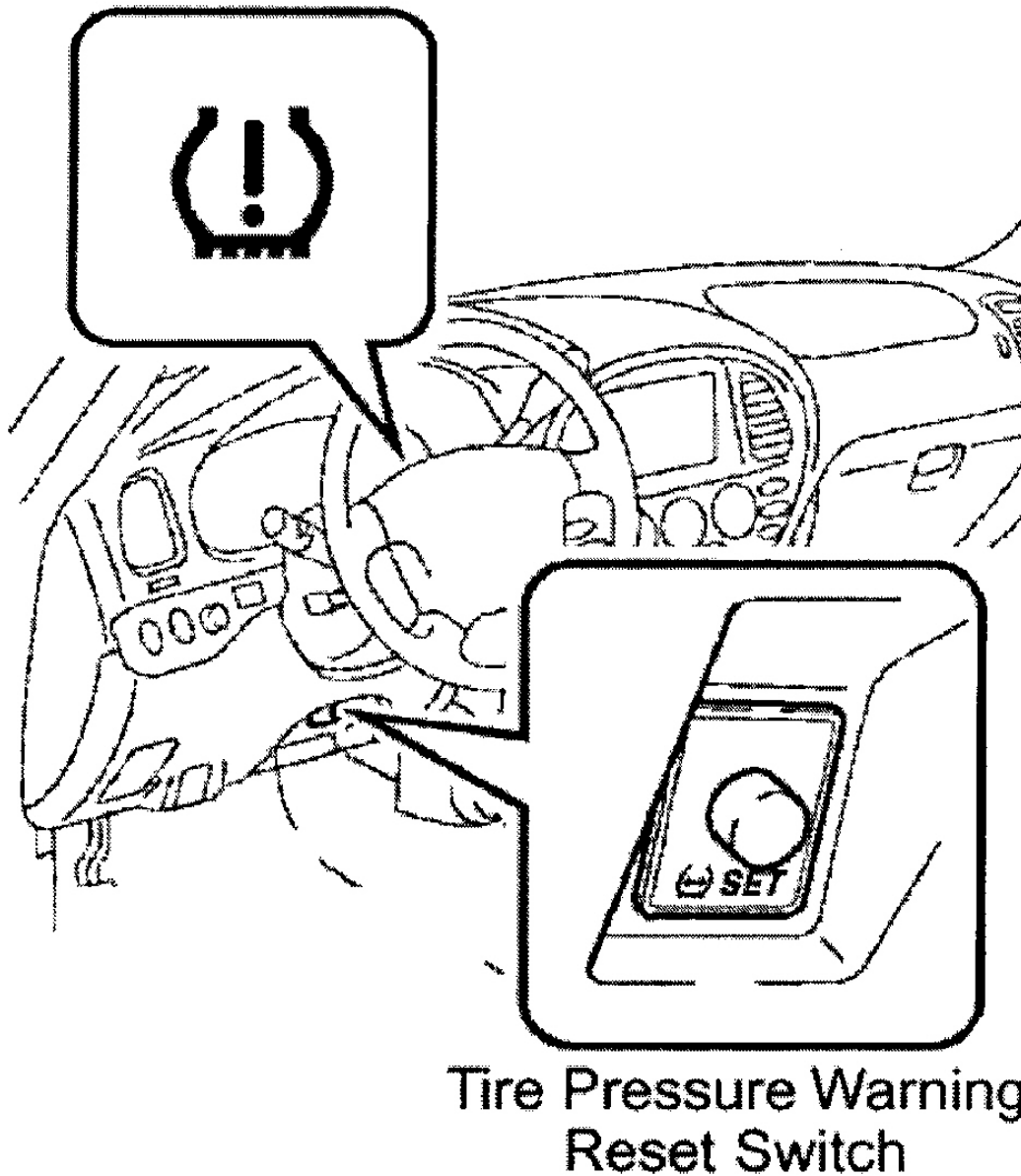
During initialization, the tire pressure monitor valve sub-assembly measures the inflation pressure of the tires, and registers the signals that are transmitted into the tire pressure monitor ECU at a frequency of one per minute. The initialization process is completed when the signals from the 5 tires 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. 16**.

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.



G00225416

Fig. 16: Locating TPM System Reset Switch

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

2005-06 TUNDRA

Initializing Tire Pressure Monitor System

NOTE: The system will need to be initialized when tires are rotated; tires are replaced

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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.

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 lamp blinks 3 times at one-second intervals.

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 hand-held tester. Check that the pressure for each tire is displayed in INIT THRESHOLD 1 to 5.

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

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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. Read and record the transmitter IDs (ID1 to ID5) by using the DATA LIST. See **Fig. 17** and **Fig. 18** .
5. Select the "REGIST TIRE" mode.
6. Select the "MAIN" registration mode.
7. Input the transmitter IDs (ID1 to ID5) using the hand-held tester and transmit it to the tire pressure monitor ECU.
8. Set the ID transmission condition to "SUCCEEDED".

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

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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]

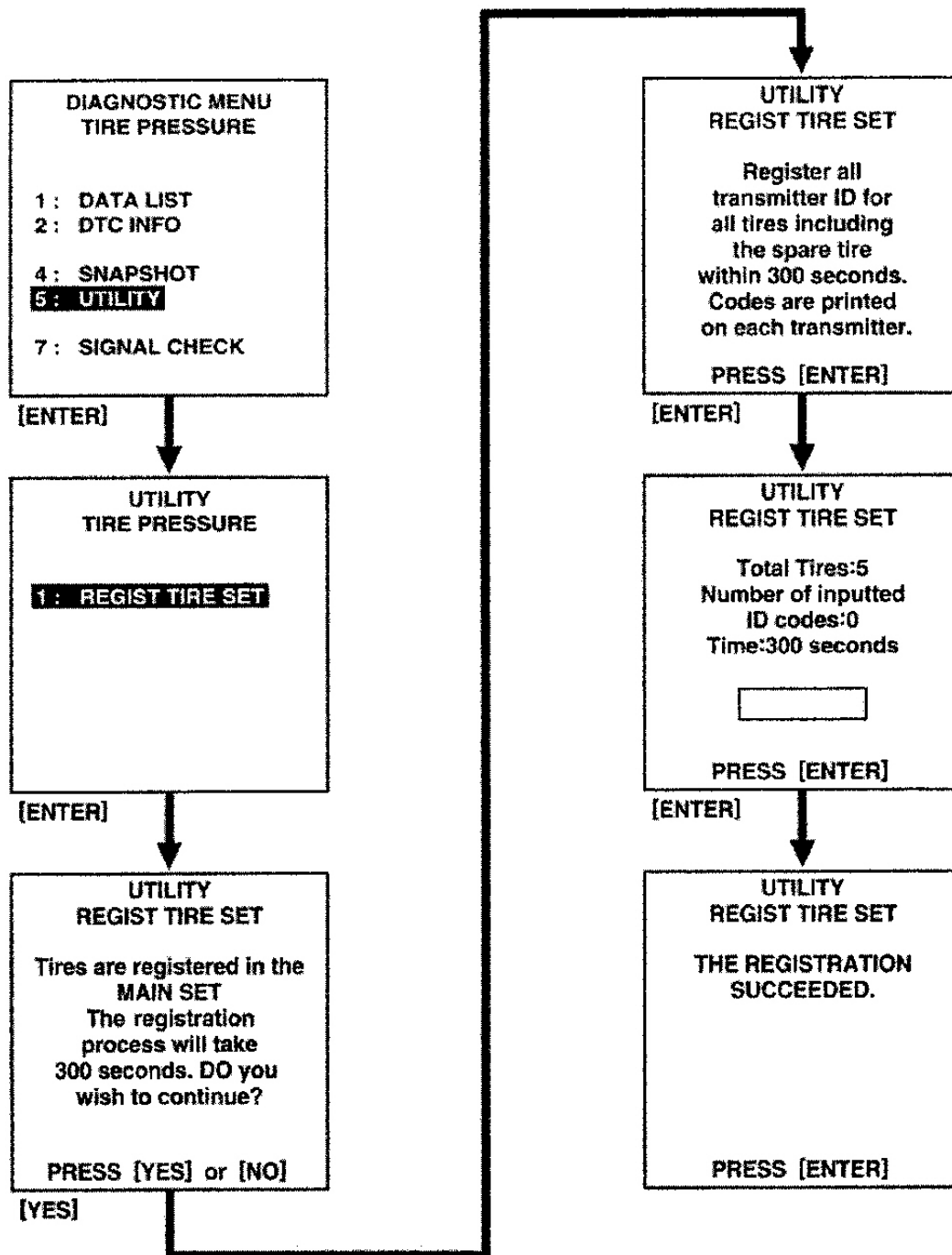
UTILITY
REGIST TIRE SET

THE REGISTRATION
SUCCEEDED.

PRESS [ENTER]

G00225414

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



G00225415

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

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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 "SIGNAL CHECK" mode on the hand-held tester.
5. Forcibly transmit the transmitter IDs for all wheels by rapidly reducing tire air pressure. When rapidly reducing the pressure, remove the valve core. Perform this step to all tires, including the spare tire.
6. Check that test mode Diagnostic Trouble Codes (DTCs) C2181/81, C2182/82, C2183/83, C2184/84 and C2185/85 are all erased. The transmitter ID registration is complete when the test mode DTCs are erased. If they haven't been erased, reset the tire pressure to the specified value and rotate the tire 90-270 degrees. Then forcibly transmit the transmitter IDs of all wheels. If they are still output, register the transmitter IDs.
7. Set the tire pressure of all wheels to the specified value.

2006-08 PRIUS

Initializing Tire Pressure Monitor System

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.

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.

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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).

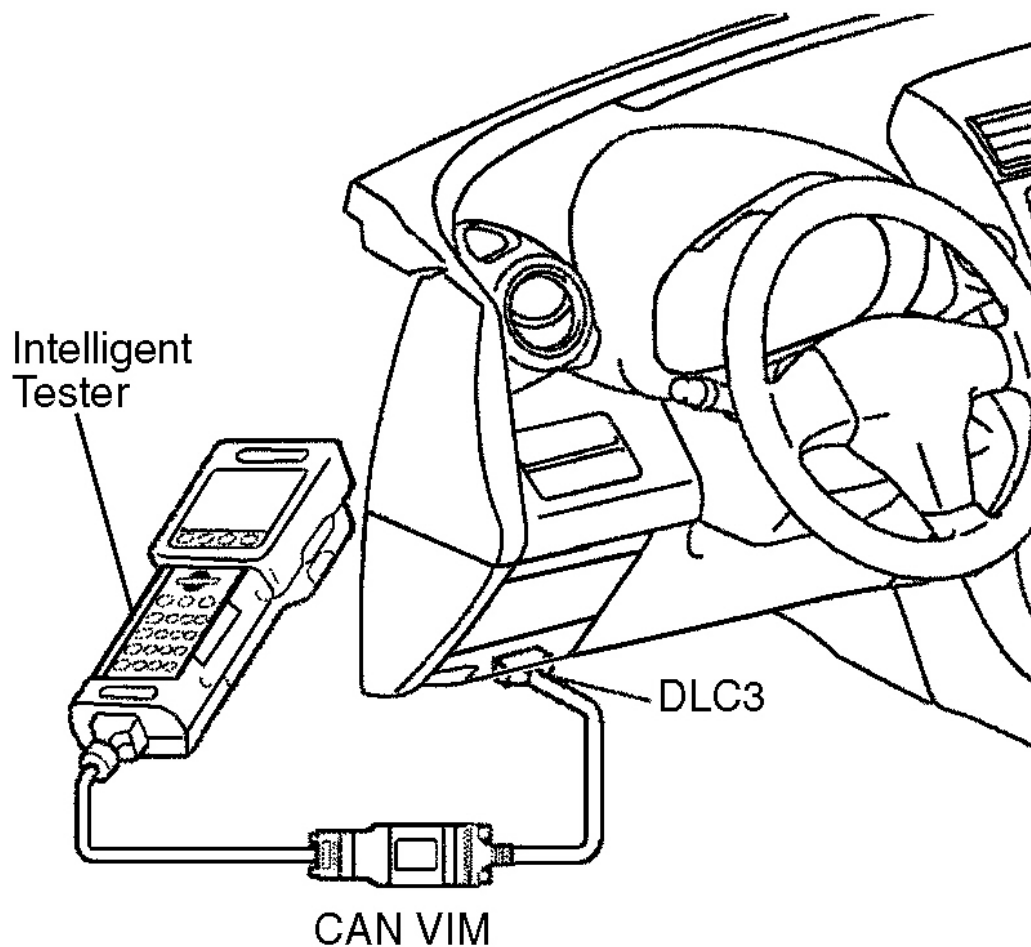
NOTE: If outside temperatures are very low (such as in winter), which can cause decreases in tire pressure, leave ignition on for about 20 minute after confirmation that initialization has been completed, and increase the tire inflation pressure by 3-4 psi (20-30 kPa).

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. 20](#).

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. 19](#).



G00251659

Fig. 19: 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. 20** and **Fig. 21**.
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

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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.

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

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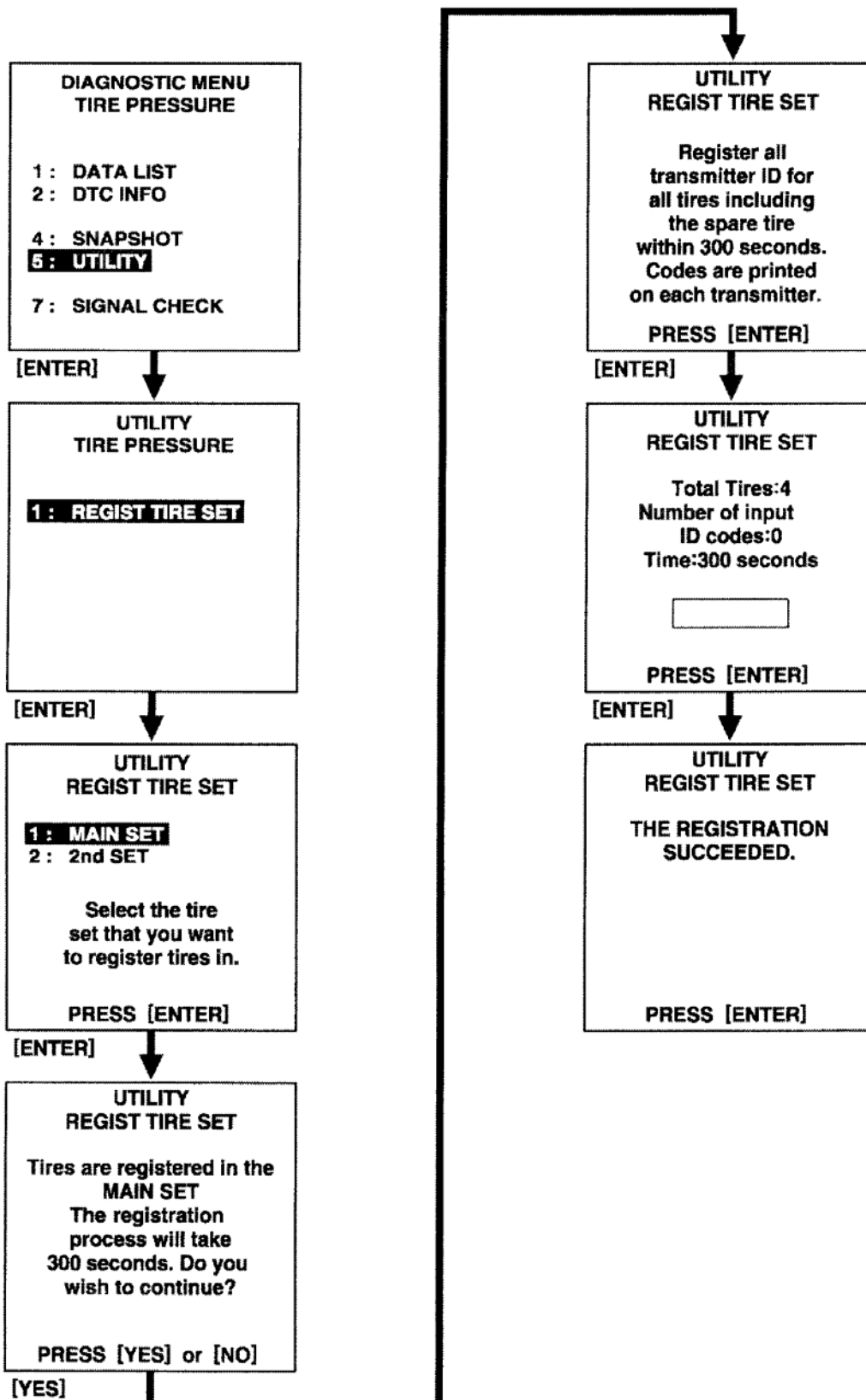


Fig. 21: Registering Transmitter ID Using Intelligent Tester (2 Of 2)**Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.****2006-08 RAV4**

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.

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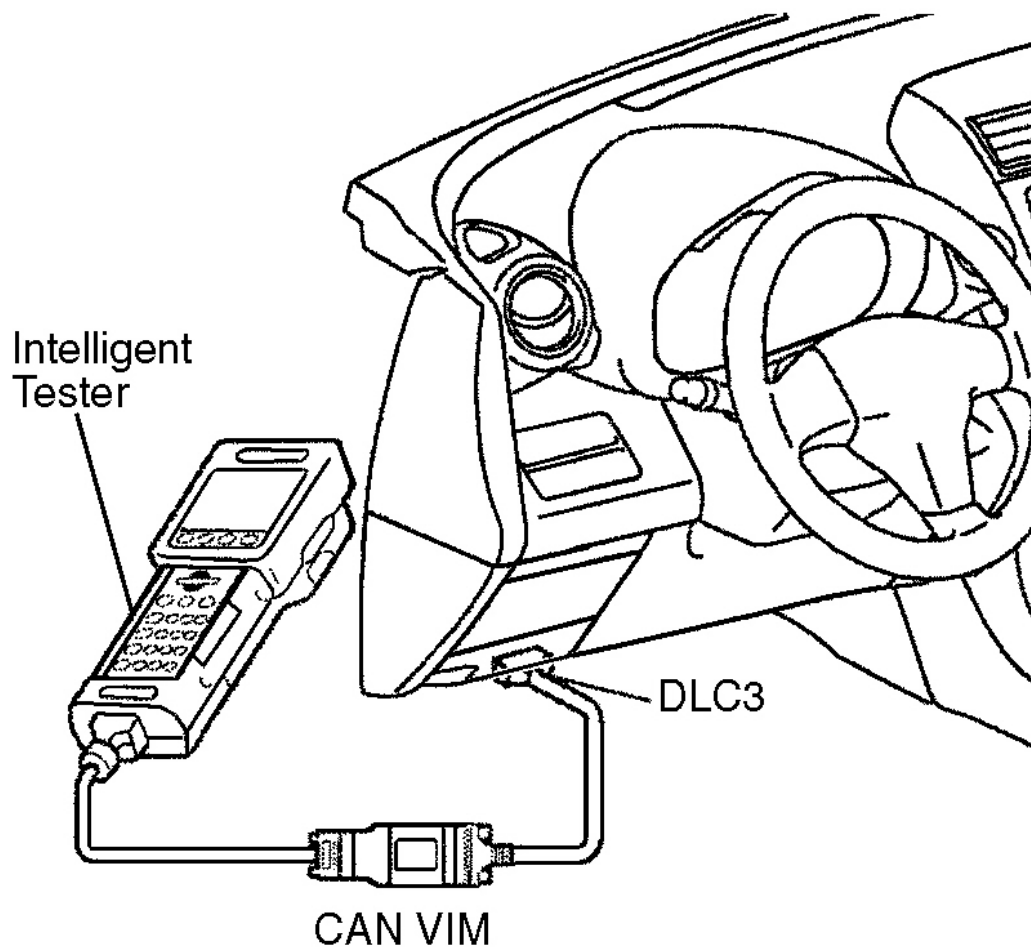
- If system was initialized with tire pressures which are not the specified values.

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. 22**.



G00251659

Fig. 22: 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 ID5) by using the DATA LIST. See **Fig. 23** and **Fig. 24**.
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

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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.

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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

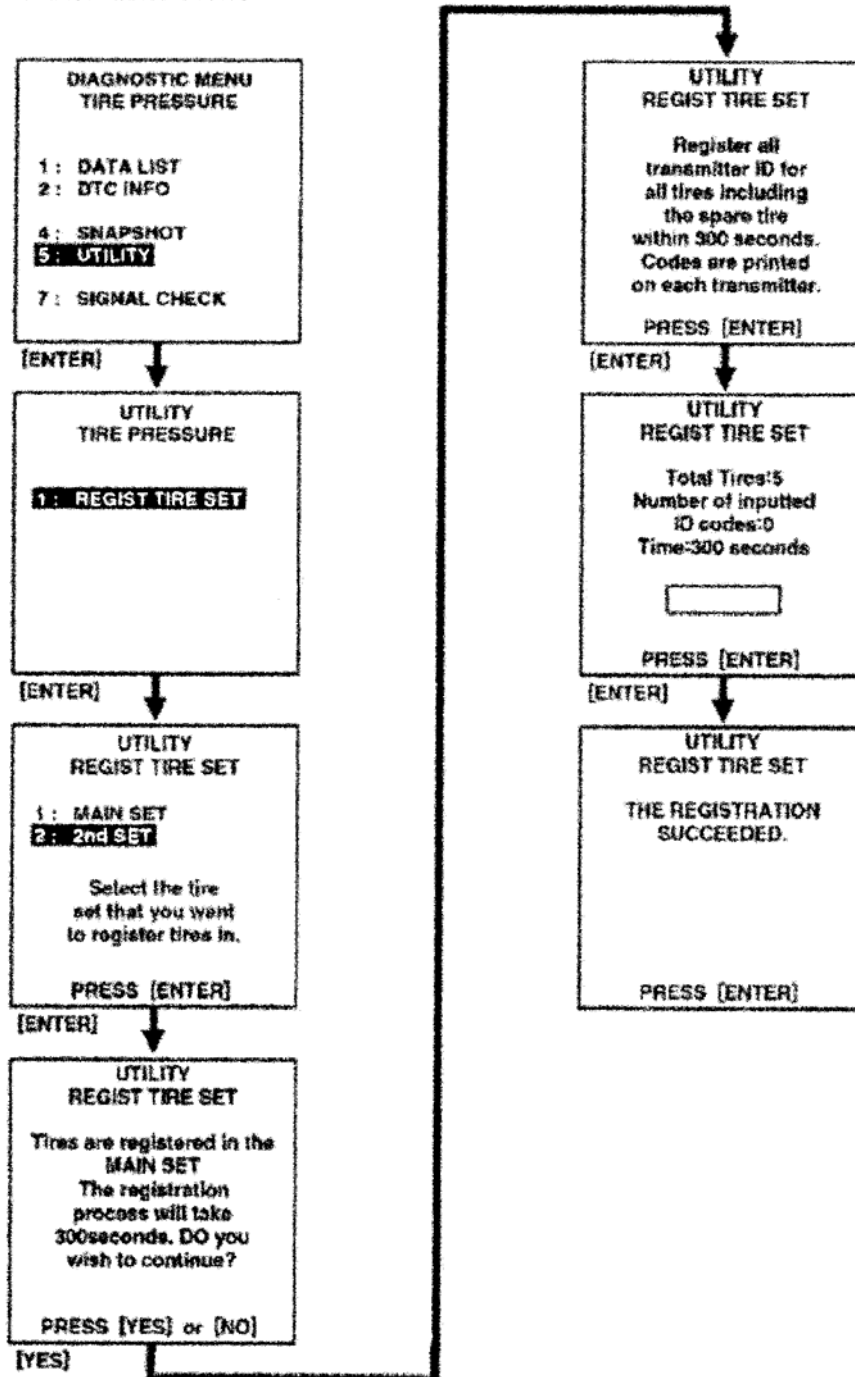
THE REGISTRATION
SUCCEEDED.

PRESS [ENTER]

G00225414

Fig. 23: Registering Transmitter ID Using Intelligent Tester (1 Of 2)
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

Tester Menu Flow:



G00225394

Fig. 24: Registering Transmitter ID Using Intelligent Tester (2 Of 2)
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

Initializing Tire Pressure Monitor System

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.

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. 25**.

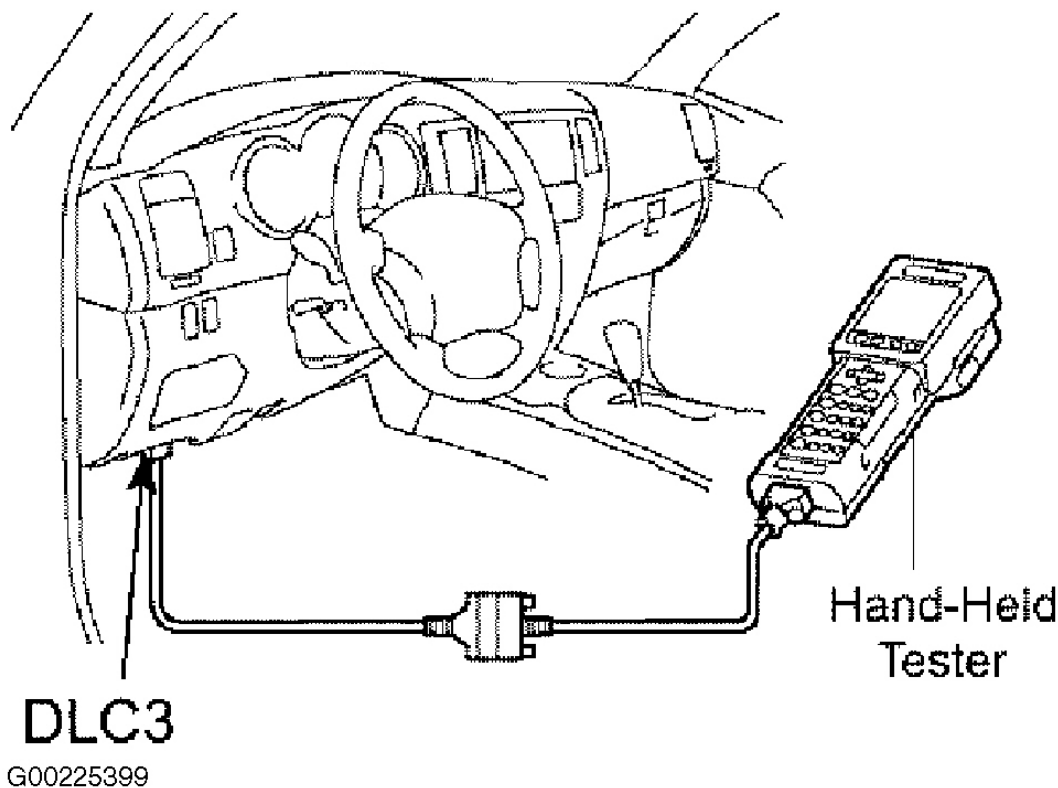


Fig. 25: Connecting Intelligent Tester To DLC3
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

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. 26**.
5. Input the transmitter IDs (ID1 to ID5) using the intelligent tester and transmit it to the tire pressure monitor ECU. See **Fig. 27**
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.

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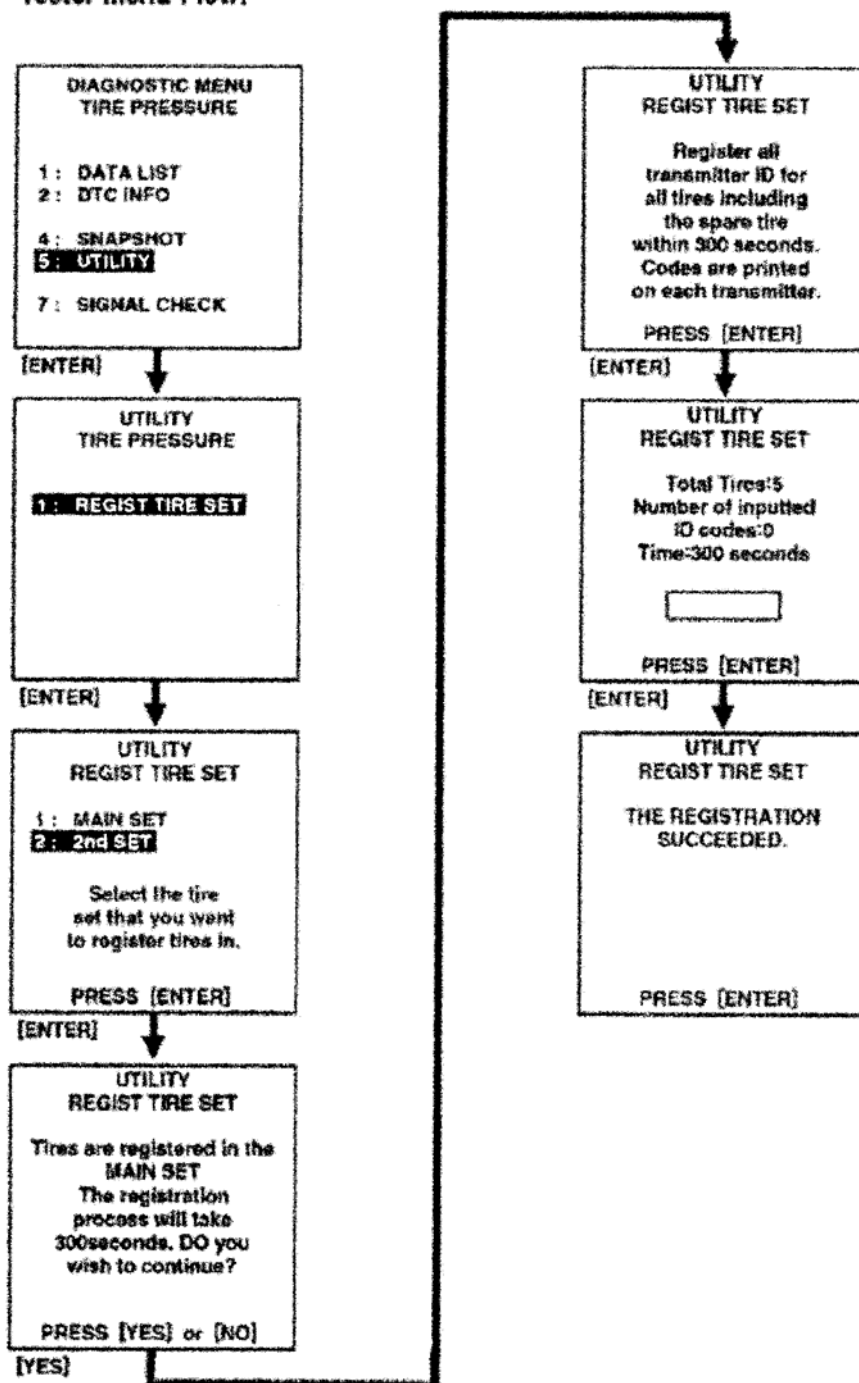
GENERAL INFORMATION Service Reminder Indicators - Toyota

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.

Tester Menu Flow:



G00225394

Fig. 26: Registering Transmitter ID Using Intelligent Tester (1 Of 2)
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

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GENERAL INFORMATION Service Reminder Indicators - Toyota

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

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 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.**
- 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 "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 at left side of dash) until the tire pressure warning light blinks 3 times at one-second intervals.
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. 28**.
3. Turn the ignition switch to the ON position.
4. Select REGISTER from the UTILITY menu. See **Fig. 29**.
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.

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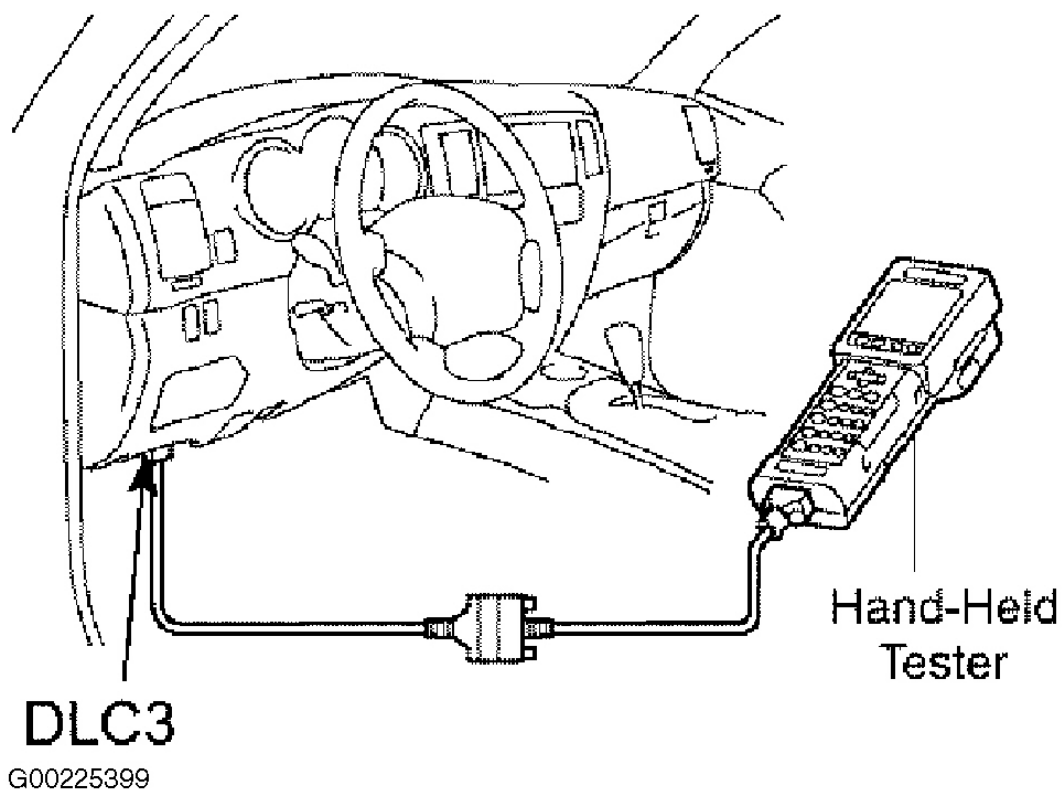
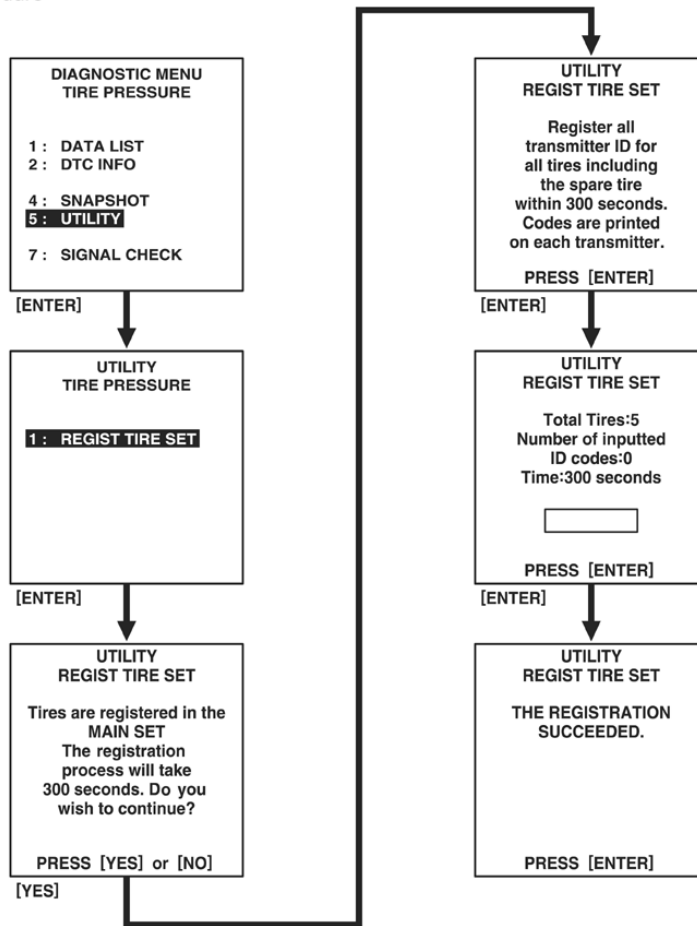


Fig. 28: Connecting Hand-Held Tester To DLC3
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

2005 Toyota RAV4

GENERAL INFORMATION Service Reminder Indicators - Toyota

Registration Procedure



C153431E01

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Fig. 29: 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

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has not occurred, DTC 2171/71 will be recorded in the ECU after 51 minutes or more.

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NOTE: When a tire, wheel, 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 systems after the terminal is reconnected: power window, power back window, back door and moon roof. Refer to owner's manual or appropriate manufacturer service information.

Tire Pressure Sensor Registration

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) written on the tire pressure warning valve and transmitter before starting registration. See Fig. 30

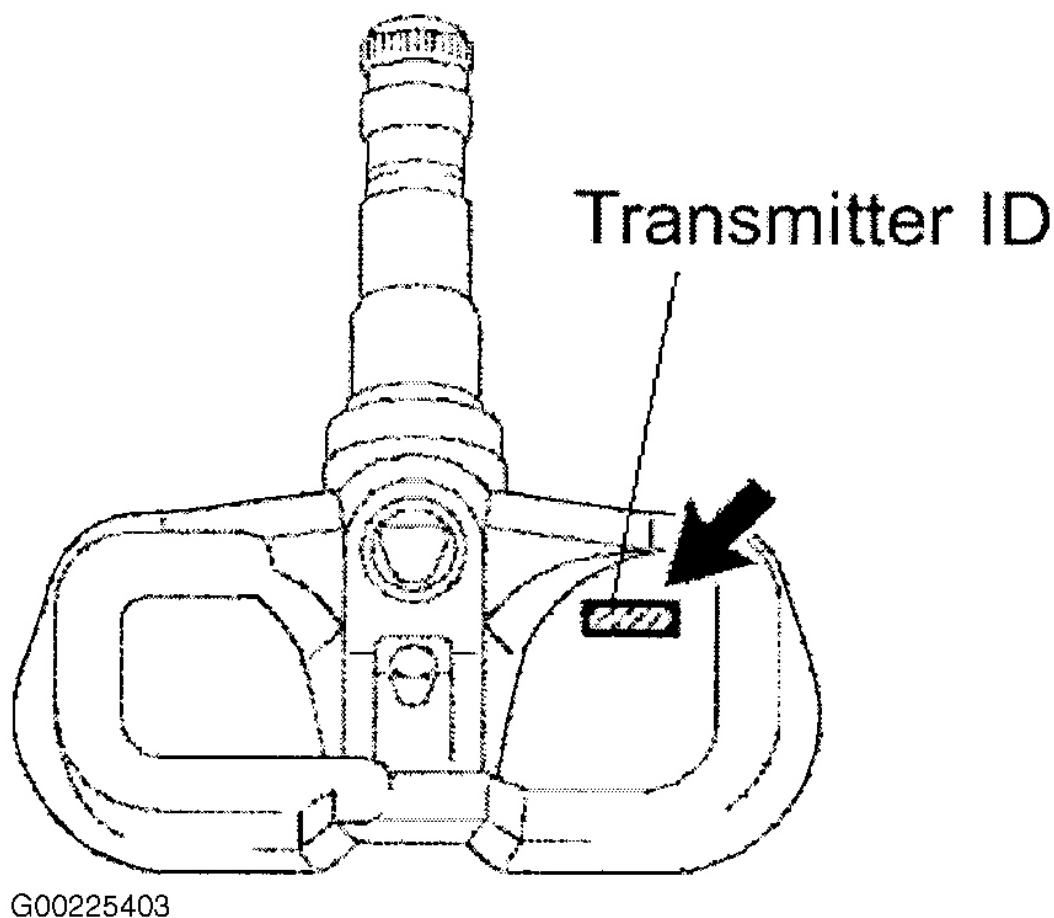


Fig. 30: Locating Tire Pressure Monitor Valve Sub-Assembly Transmitter ID
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

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.

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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.

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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 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**.

- 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.

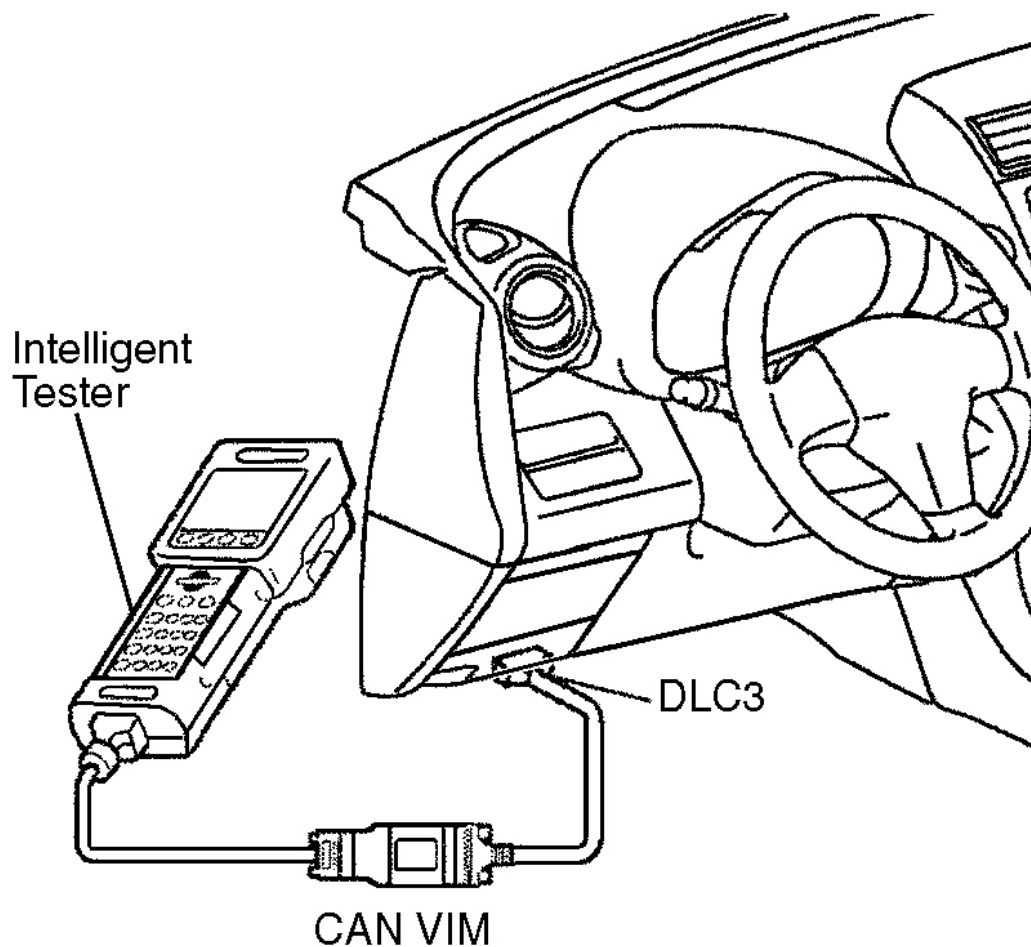
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NOTE: When a tire pressure sensor and/or tire pressure monitor ECU are replaced, the sensor ID must be memorized by the tire pressure monitor ECU prior to system initialization. To perform this procedure, a Toyota intelligent tester (with CAN VIM) 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. 31**.



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Fig. 31: Connecting Intelligent Tester (With CAN VIM)

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

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. 32** and **Fig. 33**.
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

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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]

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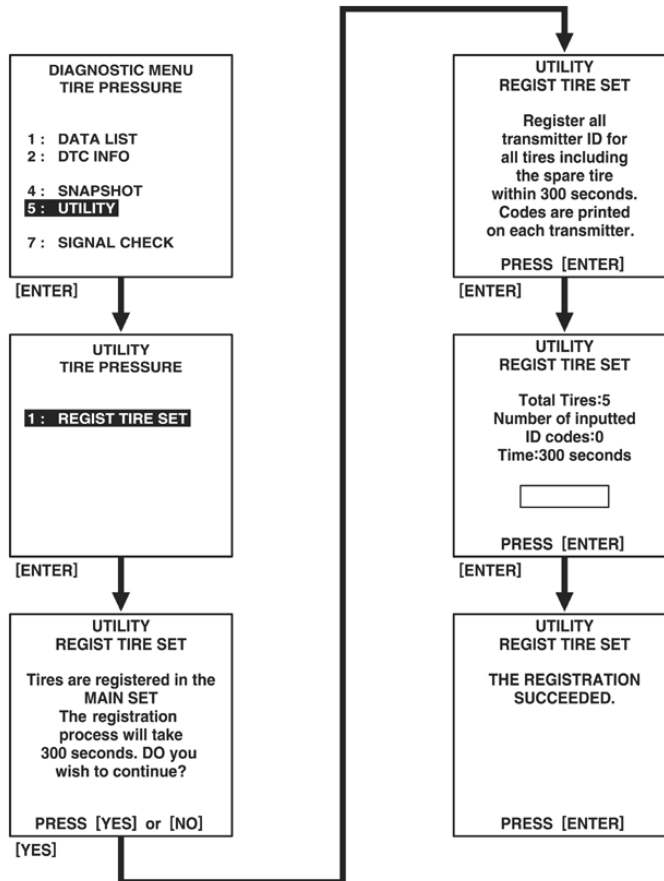
Fig. 32: Registering Transmitter ID Using Intelligent Tester (1 Of 2)

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

Registration Procedure



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Fig. 33: Registering Transmitter ID Using Intelligent Tester (2 Of 2)
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

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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. See TIRE PRESSURE MONITOR WARNING LIGHT. 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.

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

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"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. 34** and **Fig. 35**.
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.

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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]

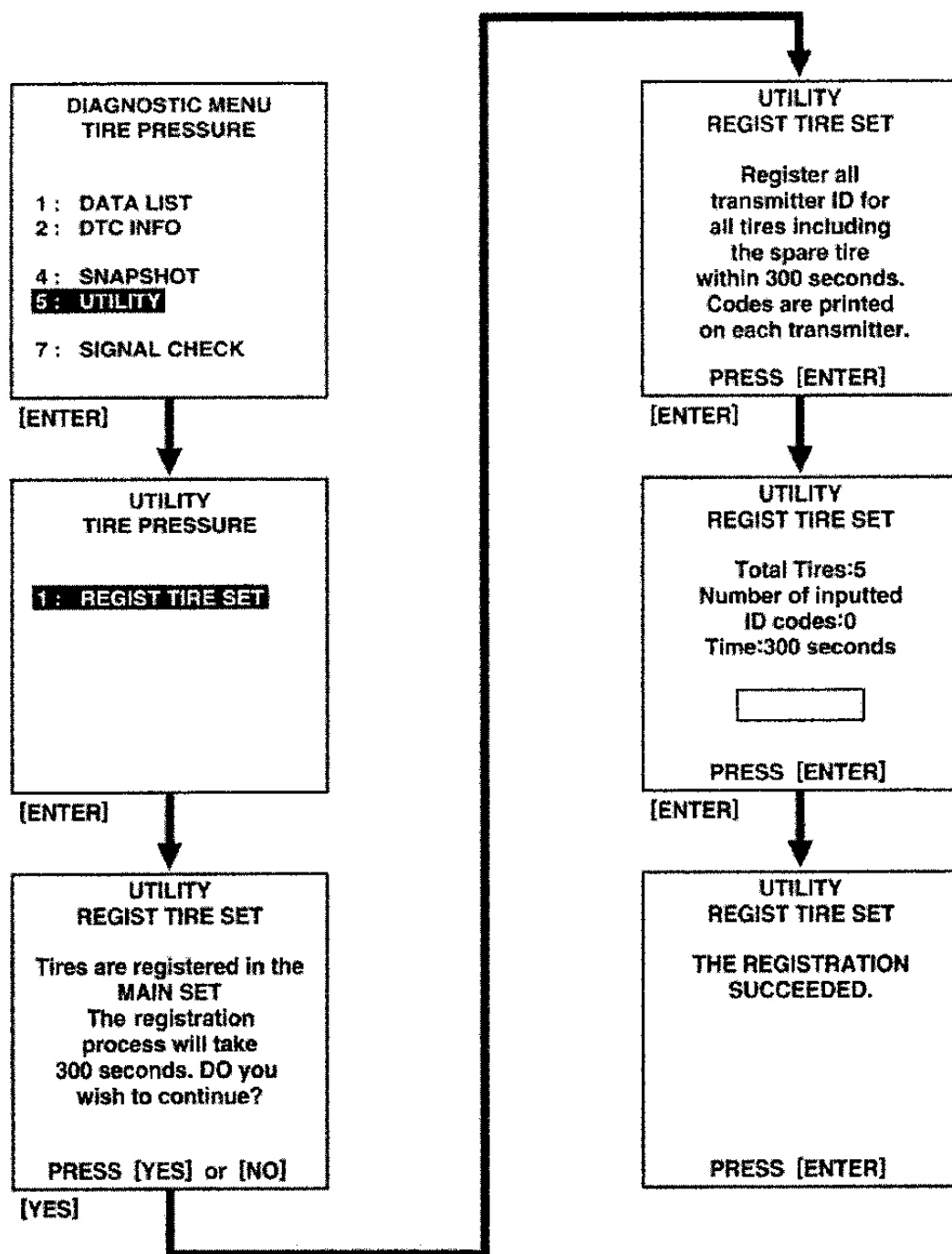
UTILITY
REGIST TIRE SET

THE REGISTRATION
SUCCEEDED.

PRESS [ENTER]

G00225414

Fig. 34: Registering Transmitter ID Using Hand-Held Tester (1 Of 2)
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.



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Fig. 35: Registering Transmitter ID Using Hand-Held Tester (2 Of 2)
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

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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.

2008 CAMRY SOLARA, COROLLA, MATRIX, SIENNA

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.

2008 YARIS

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

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 18°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 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.

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 intelligent tester called 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 7-digit number (transmitter ID) before installation, as it cannot be seen after sensor is installed. See [Fig. 36](#).

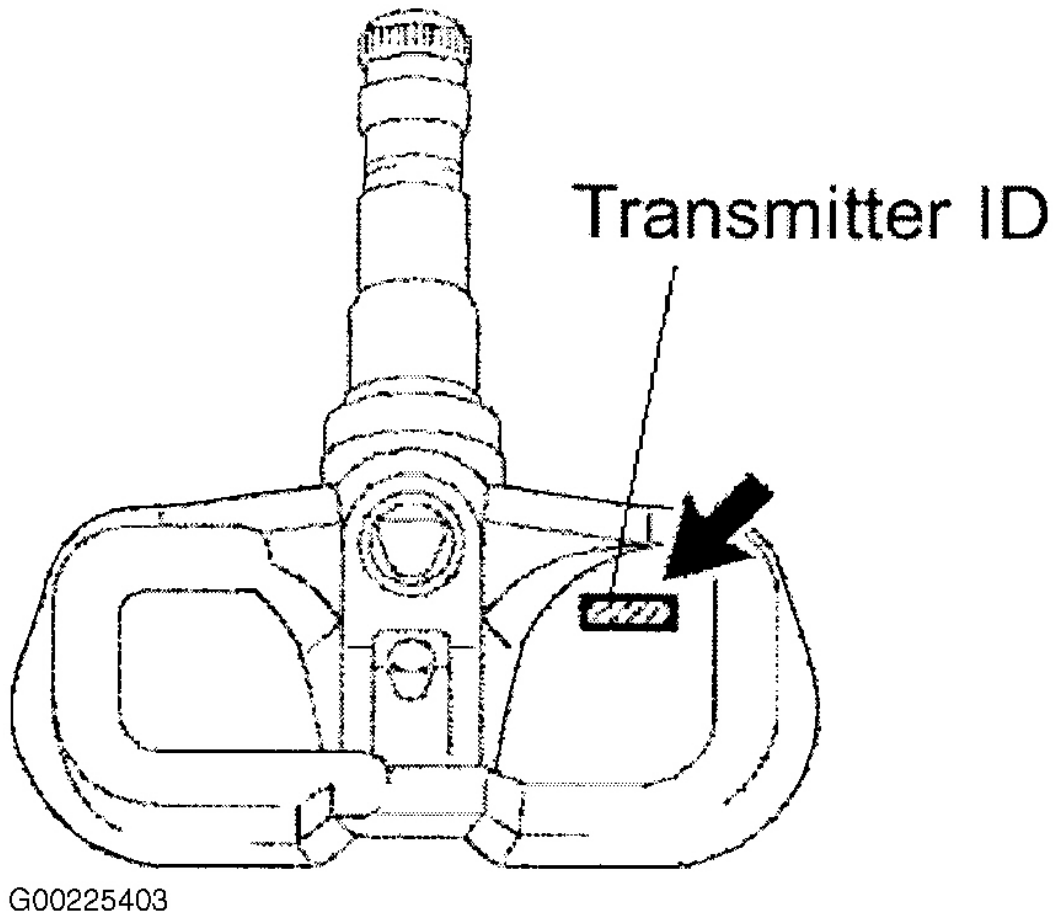
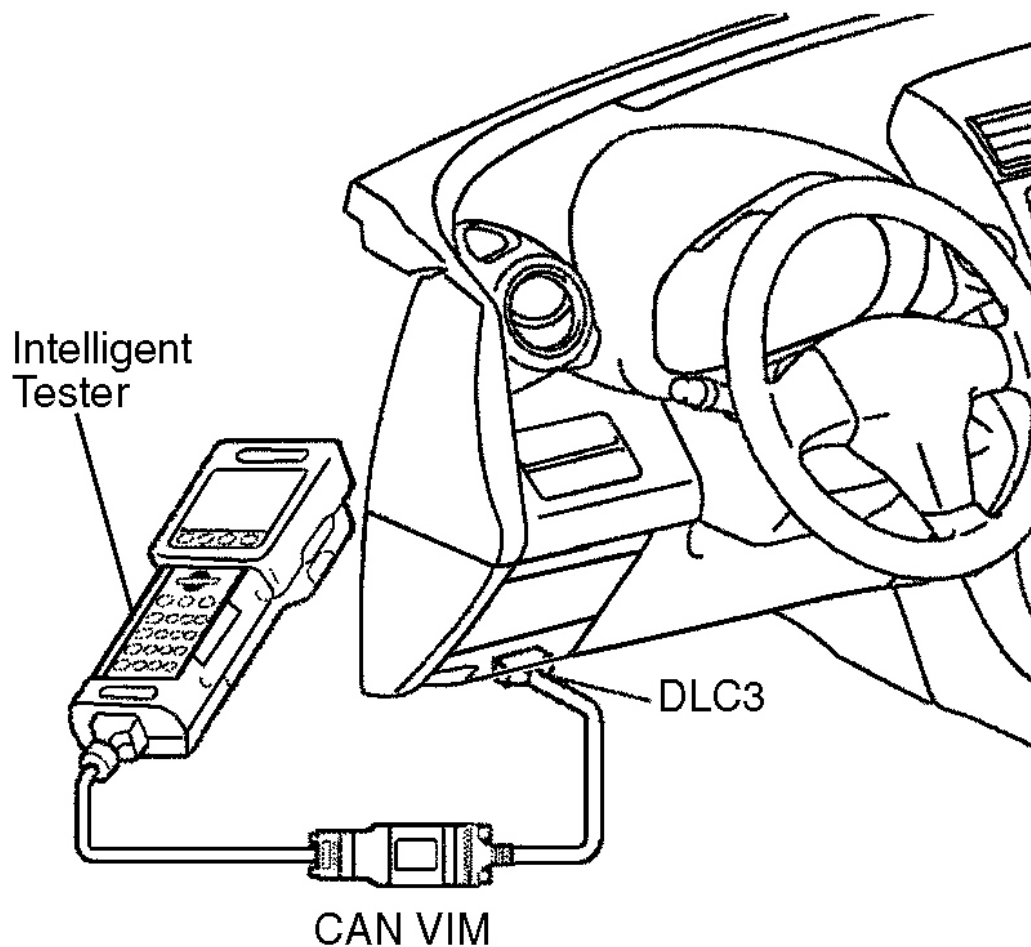


Fig. 36: Locating Tire Pressure Monitor Valve Sub-Assembly Transmitter ID
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

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. 37**.



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Fig. 37: Connecting Intelligent Tester

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

3. Turn the Tachstream scan tool on and the ignition switch to ON position.
4. Using the scan tool, select "Chassis".
5. Select "Tire Pressure Monitor".
6. Select "Utility".
7. Select "ID Registration"
8. 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.

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9. Confirm the tire pressure sensor's IDs are registered.
10. Repeat steps 4 & 5, then select "Data List".
11. 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.

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.