# REGISTRATION

## 1. DESCRIPTION OF CODE REGISTRATION

It is necessary to register the transmitter ID in the tire pressure warning ECU when replacing the tire pressure warning valve and transmitter and/or tire pressure warning ECU.

(a) Before registration

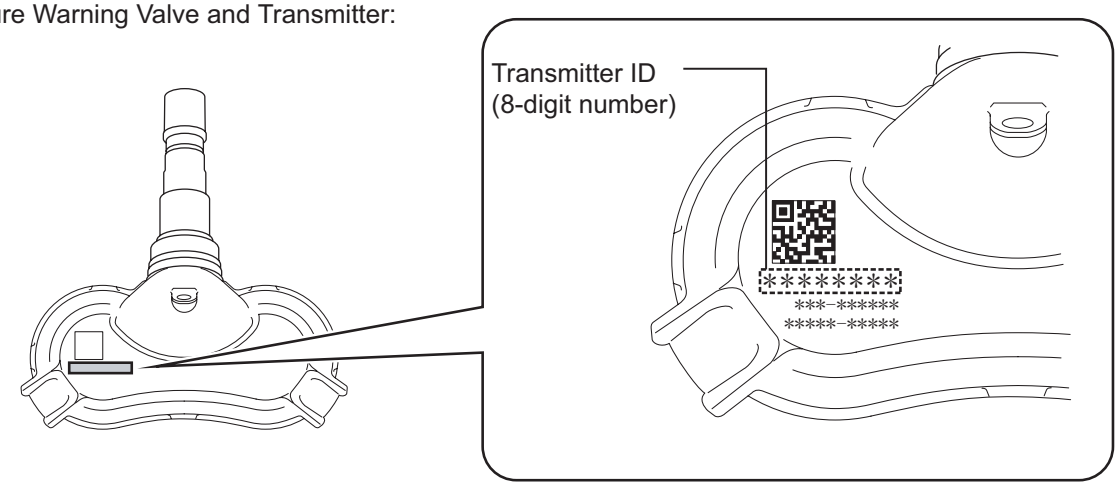
(1) In case of tire pressure warning ECU replacement.

- Read the registered transmitter IDs that are stored in the old ECU using the intelligent tester and note them down.
- If reading stored transmitter IDs is impossible due to malfunctions of components such as the tire pressure warning antenna and receiver, remove the tires from the wheels and check the IDs located on the tire pressure warning valves and transmitters (See page TW-10).

(2) In case of tire pressure warning valve and transmitter replacement.

- When replacing the tire pressure warning valves and transmitters, note down the IDs written on the tire pressure warning valves and transmitters.
- Take a note of the 8-digit number (transmitter ID) written on the tire pressure warning valve and transmitter.

Tire Pressure Warning Valve and Transmitter:

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**NOTICE:**

- **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.**
- **The ID registration must be performed for all tire pressure warning valve and transmitters. Check the DATA LIST, replace the exchanged ID with a new ID, and make a new data list of all 4 tires for the vehicle.**

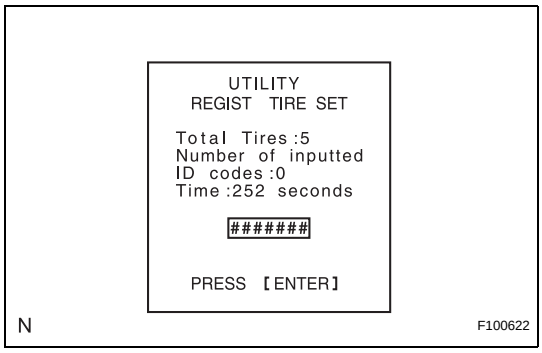
**2. REGISTER TRANSMITTER ID (Using Intelligent Tester)**

(a) Connect the intelligent tester to DLC3 (Procedure "A").

(b) Turn the ignition switch to the ON position (Procedure "B").

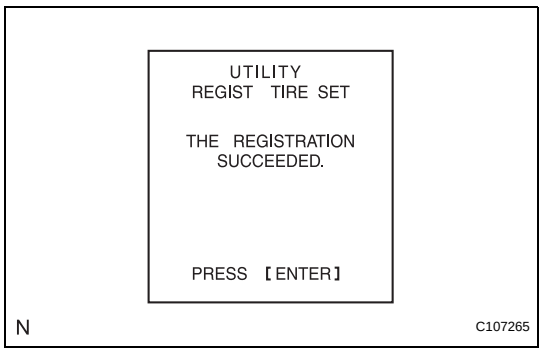
(c) Select the REGIST TIRE following the intelligent tester screen (UTILITY - REGIST TIRE) (Procedure "C").

(d) Input the IDs (ID1 to ID4) using the intelligent tester and transmit them to the tire pressure warning ECU (Procedure "D").

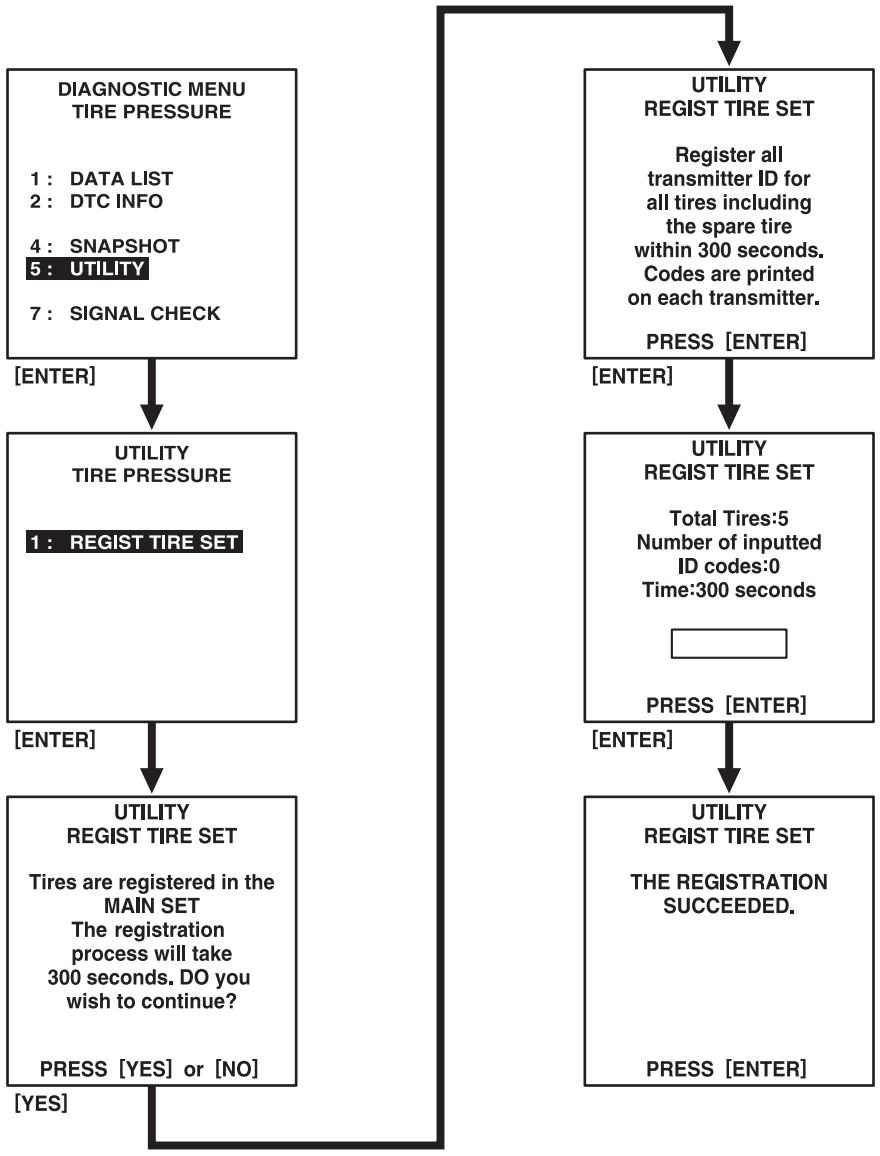



(e) Set the ID transmission condition to "ID Registration is complete" (Procedure "E").
HINT:

- The previously registered IDs will be deleted from the memory when the registration is completed.
- If the procedures "C" to "D" are not completed within 5 min., the mode will return to the normal operation mode.
- If the registration cannot be completed with error, connect TC to GND of DLC3, then retry.
- When the system is in initialization mode after the tire pressure warning reset switch has been operated, the registration is disabled until the initialization process is canceled or completed.



Registration Procedure

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**3. CONFIRMATION OF TRANSMITTER ID REGISTRATION**

(a) Make sure that the ignition switch is off.
(b) Connect the intelligent tester to DLC3.
(c) Turn the ignition switch to the ON position.
(d) Select "TIREPRESS" by following the prompts displayed on the intelligent tester.
(e) Confirm that the data of tire pressure of all tires are displayed on the intelligent tester screen.
**NOTICE:**
- **It may take about 5 to 6 minutes to update the tire pressure data.**
- **If the IDs have not been registered, DTC C2171/71 is set in the tire pressure warning ECU after 3 minutes or more.**

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- **If normal pressure values are displayed, the IDs have been registered correctly.**
- **If the tire pressure values are not displayed after several minutes, the IDs may be incorrect or the system may have a malfunction.**