DTC	C2171/71	Transmitter ID not Registered

DESCRIPTION

The IDs of each tire pressure warning valve and transmitters are registered to the tire pressure warning ECU.
When the IDs have never been registered, a DTC is output.

DTC No.	DTC Detection Condition	Trouble Area
C2171/71	Transmitter ID code is not registered. (When an ID code is unregistered for 20 minutes or more)	Tire pressure warning ECU

INSPECTION PROCEDURE

NOTICE:

- **When replacing the tire pressure warning ECU, read the IDs stored in the ECU using the intelligent tester and note them down before removal.**
- **It is necessary to perform initialization (See page TW-23) after registration (See page TW-20) of the transmitter IDs into the tire pressure warning ECU after the ECU has been replaced.**

1	CONFIRM REGISTRATION CONDITION (REGISTERED ID CODES)

(a) Make sure that the ignition switch is off.
(b) Connect the intelligent tester to the DLC3.
(c) Turn the ignition switch to the ON position.
(d) Select REGIT ID CODE by following the prompts displayed on the intelligent tester.

TIRE PRESSURE:

Tester Display	Measurement Item/Range	Normal Condition	Diagnostic Note
REGIT ID1 CODE	Registered ID1 code/ min.: 0, max.: FFFFFF*	The ID No. registered in the transmitter ID1 is displayed	*: Displayed only when the ID No. is not registered.
REGIT ID2 CODE	Registered ID2 code/ min.: 0, max.: FFFFFF*	The ID No. registered in the transmitter ID2 is displayed	*: Displayed only when the ID No. is not registered.
REGIT ID3 CODE	Registered ID3 code/ min.: 0, max.: FFFFFF*	The ID No. registered in the transmitter ID3 is displayed	*: Displayed only when the ID No. is not registered.
REGIT ID4 CODE	Registered ID4 code/ min.: 0, max.: FFFFFF*	The ID No. registered in the transmitter ID4 is displayed	*: Displayed only when the ID No. is not registered.

OK:
The registered transmitter ID codes are displayed on the intelligent tester screen.

NG → **Go to step 2**

OK

REPLACE TIRE PRESSURE WARNING ECU (See page TW-87)

2	PERFORM REGISTRATION (TRANSMITTER ID)

(a) Register the transmitter IDs for all the wheels (See page TW-20).

NEXT

3	PERFORM INITIALIZATION

(a) Perform initialization (See page TW-23).

NEXT

4	READ VALUE ON DATA LIST

(a) Make sure that the ignition switch is off.
(b) Connect the intelligent tester to the DLC3.
(c) Turn the ignition switch to the ON position.
(d) Select "TIREPRESS" by following the prompts displayed on the intelligent tester.

TIRE PRESSURE:

Tester Display	Measurement Item/Range	Normal Condition	Diagnostic Note
TIREPRESS1	ID1 tire inflation pressure (Absolute pressure) / min.: 100 kPa (1 kgf/cm^2, 14 psi) max.: 449.35 kPa (4.5 kgf/cm^2, 63 psi)	Actual tire inflation pressure	If 100 kPa (1 kgf/cm^2, 14 psi) for absolute pressure is displayed, the data has not been received.*
TIREPRESS2	ID2 tire inflation pressure (Absolute pressure) / min.: 100 kPa (1 kgf/cm^2, 14 psi) max.: 449.35 kPa (4.5 kgf/cm^2, 63 psi)	Actual tire inflation pressure	If 100 kPa (1 kgf/cm^2, 14 psi) for absolute pressure is displayed, the data has not been received.*
TIREPRESS3	ID3 tire inflation pressure (Absolute pressure) / min.: 100 kPa (1 kgf/cm^2, 14 psi) max.: 449.35 kPa (4.5 kgf/cm^2, 63 psi)	Actual tire inflation pressure	If 100 kPa (1 kgf/cm^2, 14 psi) for absolute pressure is displayed, the data has not been received.*
TIREPRESS4	ID4 tire inflation pressure (Absolute pressure) / min.: 100 kPa (1 kgf/cm^2, 14 psi) max.: 449.35 kPa (4.5 kgf/cm^2, 63 psi)	Actual tire inflation pressure	If 100 kPa (1 kgf/cm^2, 14 psi) for absolute pressure is displayed, the data has not been received.*

HINT:
*: It may take about 5 to 6 minutes until the values are displayed. If the values are not displayed after a few minutes, perform troubleshooting according to the inspection procedure for DTCs C2121/21 to C2124/24 (See page TW-42).

Result

Condition	Proceed to
All tire pressure readings are equal to specified values.	**A**
Tire pressure values are not displayed.	**B**

TW

B → **REPLACE TIRE PRESSURE WARNING ECU (See page TW-87)**

A

END