DTC	C2111/11	Transmitter ID1 Operation Stop

DTC	C2112/12	Transmitter ID2 Operation Stop

DTC	C2113/13	Transmitter ID3 Operation Stop

DTC	C2114/14	Transmitter ID4 Operation Stop

DESCRIPTION

The tire pressure warning valve and transmitters that are installed in the tire and wheel assemblies measure the air pressures of the tires. The measured values are transmitted to the tire pressure warning antenna and receiver on the body as radio waves and then sent to the tire pressure warning ECU. The ECU compares the measured air pressure values with the air pressure threshold. When the measured air pressure value is less than this threshold, the warning light in the combination meter comes on. The tire pressure warning ECU stores a DTC when the tire pressure warning valve and transmitter stops transmitting signals. At this time, forcibly transmit the signals by releasing the tire pressure rapidly. The stored DTC is cleared when the signal transmission is resumed.

DTC No.	DTC Detection Condition	Trouble Area
C2111/11 C2112/12 C2113/13 C2114/14	Tire pressure warning valve and transmitters stop transmitting signals	• Tire pressure warning valve and transmitter • Tire pressure warning ECU

HINT:
It is necessary to perform the procedure to identify the tire pressure warning valve and transmitter that is malfunctioning because it cannot be identified by the output DTC.

INSPECTION PROCEDURE

NOTICE:
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 and/or valve and transmitter have been replaced.

1	PERFORM FORCED TRANSMISSION OF TRANSMITTER ID OF ALL WHEELS

(a) Set the tire pressure to the specified value.

Cold tire inflation pressure

Tire Size	kPa (kgf/cm^2, psi)
P215/65R16	240 (2.4, 35)
P225/60R17	

(b) Make sure that the ignition switch is off.
(c) Connect the intelligent tester to the DLC3.
(d) Turn the ignition switch to the ON position and turn the tester on.

(e) 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 about 5 to 6 minutes, perform troubleshooting according to the inspection procedure for DTCs C2121/21 to C2124/24 (See page TW-42).

(f) Rapidly release the pressures from each wheel by approximately 40 kPa (0.4 kgf/cm^2, 5.8 psi) within 30 seconds.

(1) Check that each tire pressure data displayed on the intelligent tester screen has changed.

OK:

Each tire pressure data displayed on the intelligent tester screen will change to the value of the tire pressure.

NOTICE:

- **It takes about 5 to 6 minutes to display the updated tire pressure data.**
- **When the "TIREPRESS" data has not changed, reset the tire pressure to the appropriate specified value and rotate the tire 90 to 270 degrees (including the spare tire). Then rapidly release the tire pressure and recheck it.**

(2) After confirming that all of the tire pressure data displayed on the intelligent tester screen have changed, set the tire pressure to the appropriate specified values.

HINT:
If the tire pressure data displayed on the intelligent tester screen has not changed after rechecking, go to other problem procedure (for malfunction in transmission or reception function (See page TW-42)).

TW

NG → **INSPECT OTHER PROBLEM (MALFUNCTION IN TRANSMISSION OR RECEPTION FUNCTION)**

OK

END