

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
DTC	C2115/15	Transmitter ID5 Operation Stop

DESCRIPTION

The tire pressure warning valve and transmitter that is installed in the tires and wheels measures the air pressure of the tires. The measured values are transmitted to the tire pressure warning 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 values are less than this threshold, the warning light in the combination meter turns on.

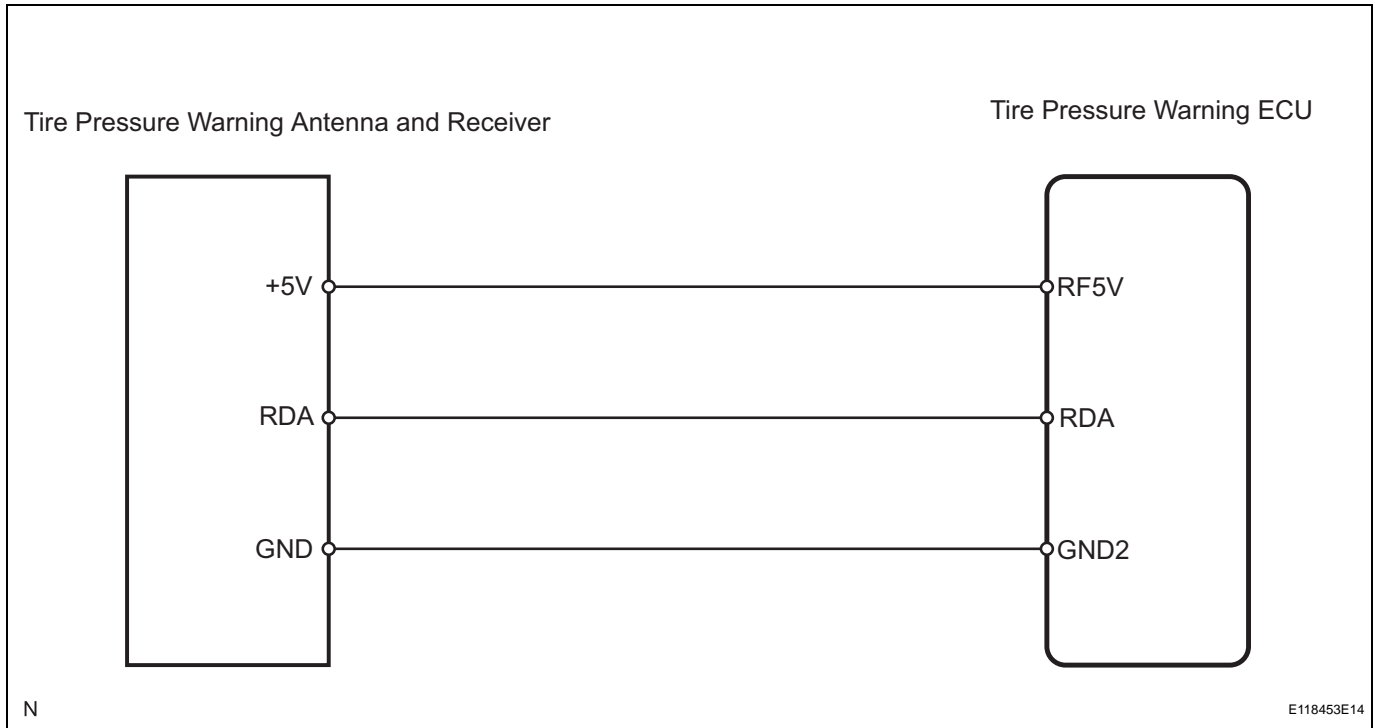
The tire pressure warning ECU stores a DTC when the tire pressure monitor valve stops transmitting signals. At this time, forcibly transmit the signals by releasing the tire pressure rapidly. The stored DTC is cleared when the signal transmission is resumed.

DTC No	DTC Detection Condition	Trouble Area
C2111/11 C2112/12 C2113/13 C2114/14 C2115/15	Tire pressure monitor valve stops transmitting signals	<ul style="list-style-type: none"> • Tire pressure warning valve and transmitter • Tire pressure warning ECU

HINT:

It is necessary to perform the procedure to identify the tire pressure monitor valve that is malfunctioning because it cannot be identified by the output DTC.

WIRING DIAGRAM



TW

INSPECTION PROCEDURE

NOTICE:

It is necessary to register an ID code after replacing the tire pressure warning antenna and receiver and/or the tire pressure warning ECU (see page [TW-9](#)).

1

PERFORM FORCED TRANSMISSION OF TRANSMITTER ID OF ALL WHEELS

- Set the pressure of each tire to the specified value.
Standard pressure:
220 kPa (2.2 kgf/cm², 32 psi)
- Connect the intelligent tester (with CAN VIM) to the DLC3.
- Turn the ignition switch ON.
- Select TIREPRESS by following the prompts displayed on the intelligent tester.

Tire pressure warning ECU

Item	Measurement item / Range (Display)	Normal Condition	Diagnostic Note
TIREPRESS1	ID1 tire pressure / min.: 0 kPa (0 kgf/cm ² , 0 psi), max.: 637.5 kPa (6.48 kgf/cm ² , 92.2 psi)	Actual tire pressure	-
TIREPRESS2	ID2 tire pressure / min.: 0 kPa (0 kgf/cm ² , 0 psi), max.: 637.5 kPa (6.48 kgf/cm ² , 92.2 psi)	Actual tire pressure	-
TIREPRESS3	ID3 tire pressure / min.: 0 kPa (0 kgf/cm ² , 0 psi), max.: 637.5 kPa (6.48 kgf/cm ² , 92.2 psi)	Actual tire pressure	-

Item	Measurement item / Range (Display)	Normal Condition	Diagnostic Note
TIREPRESS4	ID4 tire pressure / min.: 0 kPa (0 kgf/cm ² , 0 psi), max.: 637.5 kPa (6.48 kgf/cm ² , 92.2 psi)	Actual tire pressure	-
TIREPRESS5	ID5 tire pressure / min.: 0 kPa (0 kgf/cm ² , 0 psi), max.: 637.5 kPa (6.48 kgf/cm ² , 92.2 psi)	Actual tire pressure	-

(e) Rapidly release the pressure from each wheel by approximately 40 kPa (0.4 kgf/cm², 5.8 psi) for 30 seconds or more.

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

OK:

The tire pressure data displayed on the intelligent tester screen changes with the value of the tire pressure.

NOTICE:

- It may take up to 1 minute to display the updated tire pressure data.
- When the TIREPRESS data (IDs 1 to 5) changes, reset the tire pressure of the tires to the specified value, rotate the tires 90 to 270° and recheck.

(2) After confirming that the tire pressure data displayed on the intelligent tester screen has changed, set the pressure of each tire to the specified value.

Standard pressure:

220 kPa (2.2 kgf/cm², 32 psi)

HINT:

If the tire pressure data displayed on the intelligent tester screen has not changed after rechecking, go to the troubleshooting procedures of DTCs C2121/21 to C2125/25 which indicate transmission or reception malfunctions (see page [TW-28](#)).

NG

CHECK OTHER PROBLEM (MALFUNCTION IN TRANSMISSION OR RECEPTION FUNCTION)

OK

END