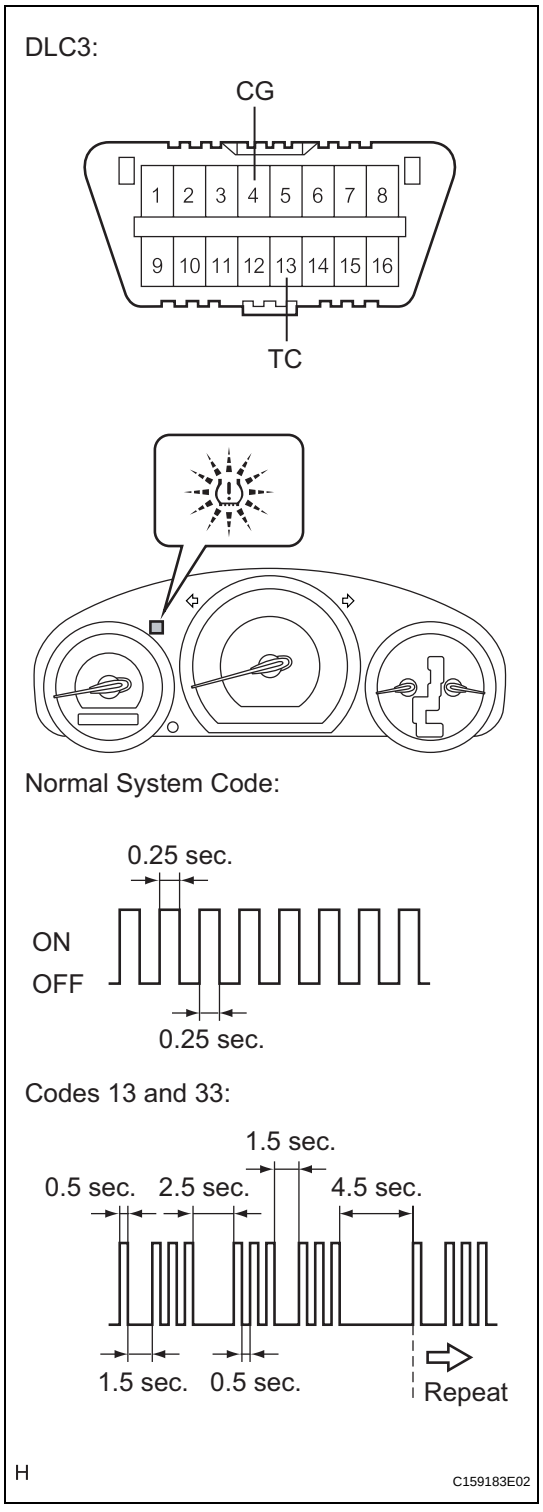

DTC CHECK / CLEAR

1. DTC CHECK (USING SST CHECK WIRE)

(a) Check DTCs.

(1) Turn the ignition switch off.

(2) Using SST, connect terminals TC and CG of DLC3.

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(3) Turn the ignition switch to the ON position.

(4) Read and record any DTCs from the tire pressure warning light on the combination meter. Refer to the illustration as examples of a normal system code and codes 13 and 33.

HINT:

- If the tire pressure warning light does not indicate any DTCs or the normal system code, inspect the tire pressure warning light circuit or TC and CG terminal circuit.

Trouble Area	See page
Tire pressure warning light circuit	TW-74
TC and CG terminal circuit	TW-79

- If 2 or more malfunctions are indicated at the same time, the lowest numbered DTC is displayed first.

(5) Refer to the Diagnostic Trouble Code Chart (See page TW-37) for DTC information.

(6) After completing the check, turn the ignition switch off and remove SST from DLC3.

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2. DTC CHECK (USING INTELLIGENT TESTER)

(a) Check DTCs.

(1) Make sure that the ignition switch is off.

(2) Connect the intelligent tester to the DLC3.

(3) Turn the ignition switch to the ON position.

(4) Read the DTCs following the prompts on the tester screen.

HINT:

Refer to the intelligent tester operator's manual for further details.

(b) Clear the DTCs.

HINT:

After repairing the malfunctions, clear the DTCs.

(1) Make sure that the ignition switch is off.

(2) Connect the intelligent tester to DLC3.

(3) Turn the ignition switch to the ON position.

(4) Clear the DTCs following the prompts on the tester screen.

HINT:

Refer to the intelligent tester operator's manual for further details.

DATA LIST / ACTIVE TEST

1. DATA LIST

HINT:

Using the intelligent tester to read the DATA LIST allows the values or states of switches, sensor, actuators and other items to be read without removing any parts. This non-intrusive inspection can be very useful because intermittent conditions or signals may be discovered before parts or wiring is disturbed. Reading the DATA LIST information early in troubleshooting is one way to save diagnostic time.

NOTICE:

In the table below, the values listed under "Normal Condition" are reference values. Do not depend solely on these reference values when deciding whether a part is faulty or not.

(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) Following the display on the intelligent tester, read "DATA LIST".

Tester Display	Measurement Item/Range	Normal Condition	Diagnostic Note
MODE STATUS	Tire pressure warning system mode/NORMAL or REG 2nd or REG M or TEST	NORMAL: Normal mode TEST: Test mode	-
MAIN TIRE	Number of main tire ID to be registered/0, 1, 2, 3, 4	0 to 4 should be displayed	-
VEHICLE SPD	Vehicle speed reading/min.: 0 km/h (0 mph), max.: 255 km/h (158 mph)	Actual vehicle speed	Speed indicated on the combination meter
REGIT ID1 CODE	Registered ID1 code/min.: 0, max.: FFFFFFF[*1]	The ID No. registered in the transmitter ID1 is displayed	-
REGIT ID2 CODE	Registered ID2 code/min.: 0, max.: FFFFFFF[*1]	The ID No. registered in the transmitter ID2 is displayed	-
REGIT ID3 CODE	Registered ID3 code/min.: 0, max.: FFFFFFF[*1]	The ID No. registered in the transmitter ID3 is displayed	-
REGIT ID4 CODE	Registered ID4 code/min.: 0, max.: FFFFFFF[*1]	The ID No. registered in the transmitter ID4 is displayed	-
TRANS STATUS	ID code transmission status/FINISH or NOW	FINISH or NOW	-
INITIAL SW	Tire pressure warning reset switch/ON, OFF	ON: Switch on OFF: Switch off	-
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.[*2]
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.[*2]
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.[*2]
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.[*2]

Tester Display	Measurement Item/Range	Normal Condition	Diagnostic Note
TIRE TEMP1	ID1 temperature in tire/min.: -50°C (-58°F), max.: 205°C (401°F)	Actual tire temperature	If -50°C (-58°F) is displayed, data has not been received.
TIRE TEMP2	ID2 temperature in tire/min.: -50°C (-58°F), max.: 205°C (401°F)	Actual tire temperature	If -50°C (-58°F) is displayed, data has not been received.
TIRE TEMP3	ID3 temperature in tire/min.: -50°C (-58°F), max.: 205°C (401°F)	Actual tire temperature	If -50°C (-58°F) is displayed, data has not been received.
TIRE TEMP4	ID4 temperature in tire/min.: -50°C (-58°F), max.: 205°C (401°F)	Actual tire temperature	If -50°C (-58°F) is displayed, data has not been received.
BATT VOLT1	ID1 battery voltage/OVER or LESS	OVER	-
BATT VOLT2	ID2 battery voltage/OVER or LESS	OVER	-
BATT VOLT3	ID3 battery voltage/OVER or LESS	OVER	-
BATT VOLT4	ID4 battery voltage/OVER or LESS	OVER	-
INITIAL SW INFO	Tire pressure warning reset switch setting information/WITH or WITHOUT	WITH or WITHOUT	-
INIT THRESHOLD1	ID1 initial threshold of low-pressure/min.: 0 kPa (0 kgf/cm^2, 0 psi), max.: 637.5 kPa (6.4 kgf/cm^2, 93 psi)	Tire pressure after initialization	-
INIT THRESHOLD2	ID2 initial threshold of low-pressure/min.: 0 kPa (0 kgf/cm^2, 0 psi), max.: 637.5 kPa (6.4 kgf/cm^2, 93 psi)	Tire pressure after initialization	-
INIT THRESHOLD3	ID3 initial threshold of low-pressure/min.: 0 kPa (0 kgf/cm^2, 0 psi), max.: 637.5 kPa (6.4 kgf/cm^2, 93 psi)	Tire pressure after initialization	-
INIT THRESHOLD4	ID4 initial threshold of low-pressure/min.: 0 kPa (0 kgf/cm^2, 0 psi), max.: 637.5 kPa (6.4 kgf/cm^2, 93 psi)	Tire pressure after initialization	-
# CODES	Number of DTCs recorded/min.: 0, max.: 255	Min.: 0, Max.: -	-

HINT:
*1: Displayed only when the ID No. is not registered.
*2: 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).

METER:

Tester Display	Measurement Item/Range	Normal Condition	Diagnostic Note
SPEED METER	Vehicle speed/Min.: 0 km/h (0 mph), Max.: 255 km/h (158 mph)	Almost same as actual vehicle speed (When driving)	-

2. ACTIVE TEST

Using the intelligent tester to perform ACTIVE TEST allows the meters, indicators and other items to be operated without removing any parts. Performing ACTIVE TEST early in troubleshooting is one way to save diagnostic time. It is possible to display the DATA LIST on the intelligent tester during ACTIVE TEST.

(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) Enter the following menus: DIAGNOSIS / OBD/MOBD / METER / ACTIVE TEST.

METER:

Tester Display	Test Part	Control Range	Diagnostic Note
TIRE PRESS WARN	Tire Pressure Warning Light	Tire Pressure Warning Light is OFF/ON	Confirm that the vehicle is stopped with the engine idling