

DTC	C2165/65	Abnormal Temperature Inside ID1 Tire
DTC	C2166/66	Abnormal Temperature Inside ID2 Tire
DTC	C2167/67	Abnormal Temperature Inside ID3 Tire
DTC	C2168/68	Abnormal Temperature Inside ID4 Tire
DTC	C2169/69	Abnormal Temperature Inside ID5 Tire

DESCRIPTION

Tire pressure warning valve and transmitters that are installed in the tire and wheel assemblies measure the internal temperature 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. If the measured temperatures exceed the specified temperature, the tire pressure warning ECU determines it as a malfunction, outputs DTCs, and blinks the tire pressure warning light.

DTC No.	DTC Detecting Condition	Trouble Area
C2165/65 C2166/66 C2167/67 C2168/68 C2169/69	Tire internal temperature exceeds 119 °C (246.2°F) more than once.	<ul style="list-style-type: none"> Tire Tire pressure warning valve and transmitter

NOTICE:

It is necessary to perform initialization (See page [TW-15](#)) after registration (See page [TW-11](#)) the transmitter IDs into the tire pressure warning ECU after the tire pressure warning valve and transmitter have been replaced.

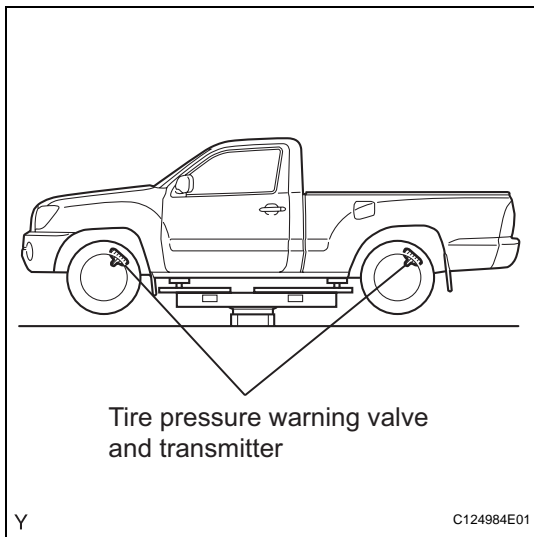
TW

1	IDENTIFY TRANSMITTER (CORRESPONDING TO DTC)
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- (a) Set the tire pressures to the appropriate specified values.

Tire Size	Front Wheel kPa (kgf/cm ² , psi)	Rear Wheel kPa (kgf/cm ² , psi)	Spare Wheel kPa (kgf/cm ² , psi)
P215/70R 15	200 (2.0, 29)	220 (2.2, 32)	220 (2.2, 32)
P255/45 R18	240 (2.4, 34)	240 (2.4, 34)	240 (2.4, 34)
P245/75 R16	200 (2.0, 29)	200 (2.0, 29)	200 (2.0, 29)
P265/70 R16 (ORP)*	200 (2.0, 29)	220 (2.2, 32)	220 (2.2, 32)
P265/65 R17	200 (2.0, 29)	200 (2.0, 29)	200 (2.0, 29)

*: Used on Off Road Package Models



- (b) Jack up the vehicle.
- (c) Select TIREPRESS by following the prompts displayed on the intelligent tester.

Item	Measurement Item/ Range (Display)
TIREPRESS1	ID1 tire inflation pressure/ minimum: 0 kPa (0 kgf/cm ² , 0 psi) maximum: 637.5 kPa (6.5 kgf/cm ² , 92.5 psi)
TIREPRESS2	ID2 tire inflation pressure/ minimum: 0 kPa (0 kgf/cm ² , 0 psi) maximum: 637.5 kPa (6.5 kgf/cm ² , 92.5 psi)
TIREPRESS3	ID3 tire inflation pressure/ minimum: 0 kPa (0 kgf/cm ² , 0 psi) maximum: 637.5 kPa (6.5 kgf/cm ² , 92.5 psi)
TIREPRESS4	ID4 tire inflation pressure/ minimum: 0 kPa (0 kgf/cm ² , 0 psi) maximum: 637.5 kPa (6.5 kgf/cm ² , 92.5 psi)
TIREPRESS5	ID5 tire inflation pressure/ minimum: 0 kPa (0 kgf/cm ² , 0 psi) maximum: 637.5 kPa (6.5 kgf/cm ² , 92.5 psi)

- (d) Rapidly release the tire pressure from any tire to 40 kPa (0.4 kgf/cm², 5.8 psi)/ 30 seconds or more.

Result

Display	Detection Condition
One of TIREPRESS data (ID1 to ID5) changed	Normal
No TIREPRESS data changed	Transmitter corresponding to DTC

NOTICE:

- It may take up to 1 minute to display the updated data.
 - When none of the TIREPRESS data (IDs 1 to 5) change, reset the tire pressure to the appropriate specified value and rotate the tires 90 to 270 degrees and recheck.
 - When the transmitter is normal, record the tire location and the transmitter ID.
- (e) When one of the TIREPRESS data (IDs 1 to 5) changes, repeat the same procedure on the rest of tires one by one to identify which tire pressure warning valve and transmitter the DTC corresponds to. Set the tire pressures to the appropriate specified values.
 - (f) When all the TIREPRESS data (IDs 1 to 5) has been change, identify the malfunctioning tire pressure warning valve and transmitter by using recorded ID numbers and output DTC.

2 CHECK TIRES

Check the that the tires are not flat, and there are no indications of air pressure decreases.

NG**REPLACE TIRES AND TIRE PRESSURE
WARNING VALVE AND TRANSMITTERS****OK****REPLACE TIRE PRESSURE WARNING VALVE AND TRANSMITTER**