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<b>Model Year Start:</b> 2023	<b>Model:</b> Prius Prime	<b>Prod Date Range:</b> [12/2022 - ]
<b>Title:</b> TIRE PRESSURE MONITORING: TIRE PRESSURE WARNING SYSTEM: C214196-C214496; Tire Pressure Monitor Transmitter ID 1 Component Internal Failure; 2023 - 2024 MY Prius Prius Prime [12/2022 - ]		

<b>DTC</b>	<b>C214196</b>	<b>Tire Pressure Monitor Transmitter ID 1 Component Internal Failure</b>
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<b>DTC</b>	<b>C214296</b>	<b>Tire Pressure Monitor Transmitter ID 2 Component Internal Failure</b>
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<b>DTC</b>	<b>C214396</b>	<b>Tire Pressure Monitor Transmitter ID 3 Component Internal Failure</b>
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<b>DTC</b>	<b>C214496</b>	<b>Tire Pressure Monitor Transmitter ID 4 Component Internal Failure</b>
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## DESCRIPTION

The tire pressure warning valve and transmitters that are installed in the tire and wheel assemblies measure the tire pressure of each wheel. The measured values are transmitted to the tire pressure warning ECU and receiver in the vehicle as radio waves. The ECU compares the measured tire pressure values with the tire pressure threshold. When the measured tire pressure value is less than this threshold, the warning light in the combination meter assembly illuminates.

When the internal circuit of a tire pressure warning valve and transmitter is malfunctioning, one of these DTCs is output.

DTC NO.	DETECTION ITEM	DTC DETECTION CONDITION	TROUBLE AREA	DTC OUTPUT FROM	PRIORITY
C214196	Tire Pressure Monitor Transmitter ID 1 Component Internal Failure	Tire pressure warning valve and transmitter is malfunctioning	Tire pressure warning valve and transmitter	Tire Pressure Monitor	A
C214296	Tire Pressure Monitor Transmitter ID 2 Component Internal Failure	Tire pressure warning valve and transmitter is malfunctioning	Tire pressure warning valve and transmitter	Tire Pressure Monitor	A
C214396	Tire Pressure Monitor Transmitter ID 3 Component Internal Failure	Tire pressure warning valve and transmitter is malfunctioning	Tire pressure warning valve and transmitter	Tire Pressure Monitor	A
C214496	Tire Pressure Monitor Transmitter ID 4 Component Internal Failure	Tire pressure warning valve and transmitter is malfunctioning	Tire pressure warning valve and transmitter	Tire Pressure Monitor	A

**HINT:**

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

**CAUTION / NOTICE / HINT****NOTICE:**

- When replacing the tire pressure warning valve and transmitter, read the transmitter IDs and number of the transmitters (4 or 5) stored in the old ECU using the GTS and write them down before removal.
- It is necessary to perform initialization **INFO** after registration **INFO** of the transmitter IDs into the tire pressure warning ECU and receiver if one of the valve and transmitters has been replaced.

**PROCEDURE**

<b>1.</b>	<b>IDENTIFY TRANSMITTER CORRESPONDING TO DTC (TIRE POSITION)</b>
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(a) Display the "ID Tire Position" value for each wheel using the GTS.

(b) Refer to the following chart and check the wheel position of the DTC and transmitter match.

**Chassis > Tire Pressure Monitor > Data List**

TESTER DISPLAY	MEASUREMENT ITEM	RANGE	NORMAL CONDITION	DIAGNOSTIC NOTE
ID 1 Tire Position	ID1 Tire Position	No Information / FL / FR / RL / RR / Spare / Judging	ID1 tire position is displayed	If no tire position information is stored, "No Information" will be displayed.
ID 2 Tire Position	ID2 Tire Position	No Information / FL / FR / RL / RR / Spare / Judging	ID2 tire position is displayed	If no tire position information is stored, "No Information" will be displayed.
ID 3 Tire Position	ID3 Tire Position	No Information / FL / FR / RL / RR / Spare / Judging	ID3 tire position is displayed	If no tire position information is stored, "No Information" will be displayed.
ID 4 Tire Position	ID4 Tire Position	No Information / FL / FR / RL / RR / Spare / Judging	ID4 tire position is displayed	If no tire position information is stored, "No Information" will be displayed.

**Chassis > Tire Pressure Monitor > Data List**

TESTER DISPLAY
ID 1 Tire Position
ID 2 Tire Position

TESTER DISPLAY
ID 3 Tire Position
ID 4 Tire Position

**NEXT** ► **REPLACE CORRESPONDING TIRE PRESSURE WARNING VALVE AND TRANSMITTER**

