

<b>Last Modified:</b> 12-04-2024	6.11:8.1.0	<b>Doc ID:</b> RM100000028NQN
<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: VEHICLE CONTROL HISTORY (RoB); 2023 - 2024 MY Prius Prius Prime [12/2022 - ]		

## VEHICLE CONTROL HISTORY (RoB)

### DESCRIPTION

- Vehicle Control History (RoB) is a function that captures and stores ECU data when triggered by specific vehicle behavior.
- It may be possible to determine the cause of the malfunction by checking the vehicle history information and freeze frame data.
- The number of possible stored Freeze Frame Data sets, whether multi Freeze Frame Data is available, the number of freeze frame points, Freeze Frame Data items, the ECU internal range, etc., is different depending on the stored group.
- The stored data items for Vehicle Control History (RoB) Freeze Frame Data are different depending on the stored group. When the value of a data item does not change across all points, only the value of the detection point will be displayed. The content of the Freeze Frame Data is almost the same as that of the Data List.

Click here [INFO](#)

### PRECAUTIONS

- As Vehicle Control History (RoB) may be overwritten whenever the trigger conditions are met, make sure to save Vehicle Control History (RoB) before performing any inspections.
- As Vehicle Control History (RoB) may be stored when performing an Active Test, learning, etc., make sure to clear the Vehicle Control History (RoB) before returning the vehicle to the customer.

### CHECK VEHICLE CONTROL HISTORY (RoB)

(a) Using the GTS, select Vehicle Control History (RoB) on the Utility screen.

**Chassis > Tire Pressure Monitor > Utility**

TESTER DISPLAY
Vehicle Control History (RoB)

### Vehicle Control History (RoB) Item (Tire Pressure Warning System)

FFD GROUP	CODE	TESTER DISPLAY	MEASUREMENT ITEM	TIRE PRESSURE WARNING LIGHT	DIAGNOSTIC NOTE
-	X2004	Speed Sensor Malfunction	Vehicle speed information cannot be received from the No. 2 skid control ECU (brake actuator assembly) for 60 seconds	Not illuminated	-
-	X20F0	TPMS ID1 Transmitter Stop	Transmission stopped status of tire pressure warning valve and transmitter	Illuminates after blinking for 1.0 minutes	When the tire pressure warning valve and transmitters of all wheels are in the

TPMS is an abbreviation for Tire Pressure Monitoring System.

FFD GROUP	CODE	TESTER DISPLAY	MEASUREMENT ITEM	TIRE PRESSURE WARNING LIGHT	DIAGNOSTIC NOTE
					started status, the tire pressure warning light turns off
-	X20F1	TPMS ID2 Transmitter Stop	Transmission stopped status of tire pressure warning valve and transmitter	Illuminates after blinking for 1.0 minutes	When the tire pressure warning valve and transmitters of all wheels are in the started status, the tire pressure warning light turns off
-	X20F2	TPMS ID3 Transmitter Stop	Transmission stopped status of tire pressure warning valve and transmitter	Illuminates after blinking for 1.0 minutes	When the tire pressure warning valve and transmitters of all wheels are in the started status, the tire pressure warning light turns off
-	X20F3	TPMS ID4 Transmitter Stop	Transmission stopped status of tire pressure warning valve and transmitter	Illuminates after blinking for 1.0 minutes	When the tire pressure warning valve and transmitters of all wheels are in the started status, the tire pressure warning light turns off
-	X20F5	TPMS ID1 Tire Low-pressure	Status where the value is lower than the low air pressure threshold of the set air pressure	Illuminated	When the set air pressure is adjusted, the tire pressure warning light turns off
-	X20F6	TPMS ID2 Tire Low-pressure	Status where the value is lower than the low air pressure threshold of the set air pressure	Illuminated	When the set air pressure is adjusted, the tire pressure warning light turns off
-	X20F7	TPMS ID3 Tire Low-pressure	Status where the value is lower than the low air pressure threshold of the set air pressure	Illuminated	When the set air pressure is adjusted, the tire pressure warning light turns off
-	X20F8	TPMS ID4 Tire Low-pressure	Status where the value is lower than the low air pressure threshold of the set air pressure	Illuminated	When the set air pressure is adjusted, the tire pressure warning light turns off
-	X20FA	TPMS ID Codes Not Registered	When all the tire pressure warning valve and transmitter IDs are not registered in the tire pressure warning ECU and receiver for 3 minutes or more	Illuminates after blinking for 1.0 minutes	-

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FFD GROUP	CODE	TESTER DISPLAY	MEASUREMENT ITEM	TIRE PRESSURE WARNING LIGHT	DIAGNOSTIC NOTE
-	X20FB	TPMS ID Codes Auto Registering	Automatic ID registration status	Illuminates after blinking for 1.0 minutes	-
-	X20FC	TPMS ID Codes Confirming	After ID registration, electrical waves from the tire pressure warning valve and transmitter cannot be received by the tire pressure warning ECU and receiver	Illuminates after blinking for 1.0 minutes	When the tire pressure warning valve and transmitter IDs of all wheels are registered, the tire pressure warning light turns off
-	X20FD	TPMS Disabled	Tire pressure warning system disabled	Illuminates for 1.0 seconds each time the ignition switch is turned to ON and then blinks 4 times.	-
-	X20FE	TPMS Initialization Not Completed	After initialization, when driving at 40 km/h (25 mph) or higher, electrical waves from all the tire pressure warning valve and transmitters cannot be received by the tire pressure warning ECU and receiver for a total of 20 minutes or more	Illuminates after blinking for 1.0 minutes	-

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**CLEAR VEHICLE CONTROL HISTORY (RoB)**

(a) Using the GTS, select Vehicle Control History (RoB) on the Utility screen.

**Chassis > Tire Pressure Monitor > Utility**



(b) Press the DTC clear button.

**NOTICE:**

By performing this procedure, all stored Vehicle Control History (RoB) items will be cleared.

