

Last Modified: 12-04-2024	6.11:8.1.0	Doc ID: RM100000029DUQ
Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [12/2022 -]
Title: PARK ASSIST / MONITORING: BLIND SPOT MONITOR SYSTEM: VEHICLE CONTROL HISTORY (RoB); 2023 - 2024 MY Prius Prime [12/2022 -]		

VEHICLE CONTROL HISTORY (RoB)

NOTICE:

When checking the vehicle control history (RoB), first store the output history and then check the history.

CHECK VEHICLE CONTROL HISTORY (RoB)

(a) Following the instructions on the GTS, display the vehicle control history (RoB) check screen and read the codes.

Body Electrical > Blind Spot Monitor "B" > Utility

TESTER DISPLAY
Vehicle Control History (RoB)

Vehicle Control History Item (RoB)

CODE	TESTER DISPLAY	MEASUREMENT ITEM	NOTES	VEHICLE CONTROL HISTORY DATA
X2000	Yaw Rate Sensor Malfunction	Yaw rate sensor judgment result was abnormal	INFO	(*)
X2002	Accelerator Sensor Malfunction	Accelerator sensor judgment result was abnormal	INFO	(*)
X2004	Speed Sensor Malfunction	Speed sensor judgment result was abnormal	INFO	(*)
X207C	Stop Light Relay Malfunction	Stop light relay judgment result was abnormal	INFO	(*)
X208E	Power Steering Control Module "A" Malfunction	Power Steering Control Module "A" judgment result was abnormal	INFO	(*)
X2172	Rear Side Radar Sensor (Module "B") Beam Axis Not Adjusted	Blind spot monitor sensor adjustment was not performed	Driving Adjustment: INFO Target Adjustment (Triangle Target): INFO ECU data Save / Write: INFO	(*)
X2173	Rear Side Radar Sensor (Module "B") Outside Guaranteed Operating Temperature	Blind spot monitor sensor ambient temperature was outside of guaranteed operating range	-	(*)
X2174	Rear Side Radar Sensor (Module "B") Outside	Blind spot monitor sensor voltage was outside of	INFO	(*)

CODE	TESTER DISPLAY	MEASUREMENT ITEM	NOTES	VEHICLE CONTROL HISTORY DATA
	Guaranteed Operating Voltage	guaranteed operating range		
X2175	Rear Side Radar Sensor (Module "B") Blockage	Detection range decreased due to dirty bumper surface	Clean away any stickers or foreign matter (dirt, debris, snow, etc.)	(*)
X2176	Rear Side Radar Sensor (Module "B") Blockage Level 2	Detection range decreased due to dirty bumper surface	Clean away any stickers or foreign matter (dirt, debris, snow, etc.)	(*)
X2401	Automatic Brake Malfunction (Main)	Automatic Brake (Main) judgment result was abnormal	INFO	(*)
X2403	Automatic Brake Malfunction (Sub)	Automatic Brake (Sub) judgment result was abnormal	INFO	(*)
F021	Software Not Programmed	Partial software is not written	INFO	(*)

Tester Display	Code					
	X2900	X2901	X2902	X2903	X2904	X2905
Total Distance Traveled - Unit	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Total Distance Traveled	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Display Request to Meter Display	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Display Request to Navigation Display	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ultrasonic Sensor Diagnosis Display Request	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ultra Sensor Information	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ultra Sensor Communication Malfunction	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Shift Position	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Vehicle Speed	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ambient Temperature	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
PKSA (O) Temporarily Unavailable - Ultrasonic Sensor Power Supply Low Voltage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

(b) Following the instructions on the GTS, display the vehicle control history (RoB) check screen and read the codes.

Body Electrical > Blind Spot Monitor "A" > Utility

TESTER DISPLAY
Vehicle Control History (RoB)

Vehicle Control History Item

CODE	TESTER DISPLAY	MEASUREMENT ITEM	NOTES	VEHICLE CONTROL HISTORY DATA
X2177	Rear Side Radar Sensor (Module "A") Beam Axis Not Adjusted	Blind spot monitor sensor adjustment was not performed	Driving Adjustment: INFO	(*)

CODE	TESTER DISPLAY	MEASUREMENT ITEM	NOTES	VEHICLE CONTROL HISTORY DATA
			Target Adjustment (Triangle Target): INFO ECU data Save / Write: INFO	
X2178	Rear Side Radar Sensor (Module "A") Outside Guaranteed Operating Temperature	Blind spot monitor sensor ambient temperature was outside of guaranteed operating range	-	(*)
X2179	Rear Side Radar Sensor (Module "A") Outside Guaranteed Operating Voltage	Blind spot monitor sensor voltage was outside of guaranteed operating range	INFO	(*)
X217A	Rear Side Radar Sensor (Module "A") Blockage	Detection range decreased due to dirty bumper surface	Clean away any stickers or foreign matter (dirt, debris, snow, etc.)	(*)
X217B	Rear Side Radar Sensor (Module "A") Blockage Level 2	Detection range decreased due to dirty bumper surface	Clean away any stickers or foreign matter (dirt, debris, snow, etc.)	(*)
F021	Software Not Programmed	Partial software is not written	INFO	Partial software is not written

Tester Display	Code					
	X2800	X2801	X2802	X2803	X2804	X2805
Total Distance Traveled - Unit	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Total Distance Traveled	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Display Request to Meter Display	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Display Request to Navigation Display	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ultrasonic Sensor Diagnosis Display Request	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ultrasonic Sensor Information	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ultrasonic Sensor Communication Test Function	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Shift Position	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Vehicle Speed	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ambient Temperature	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
PKSA (O) Temporarily Unavailable - Ultrasonic Sensor Power Supply Low Voltage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

CLEAR VEHICLE CONTROL HISTORY

(a) Select the deletion button on the vehicle control history (RoB) check screen and clear the codes.

Body Electrical > Blind Spot Monitor "B" > Utility

TESTER DISPLAY
Vehicle Control History (RoB)

NOTICE:

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

(b) Select the deletion button on the vehicle control history (RoB) check screen and clear the codes.

Body Electrical > Blind Spot Monitor "A" > Utility



NOTICE:

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

