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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> PARK ASSIST / MONITORING: PANORAMIC VIEW MONITOR SYSTEM: VEHICLE CONTROL HISTORY (RoB); 2023 - 2024 MY Prius Prius Prime [12/2022 - ]		

## VEHICLE CONTROL HISTORY (RoB)

**NOTICE:**

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

**HINT:**

Depending on the specifications of the vehicle, some items may not be displayed.


**CHECK VEHICLE CONTROL HISTORY**


(a) Read the Vehicle Control History (RoB) according to the display on the GTS.


**Chassis > Circumference Monitoring Camera Control Module > Utility**

TESTER DISPLAY
Vehicle Control History (RoB)

**Vehicle Control History Item**

CODE	TESTER DISPLAY	MEASUREMENT ITEM	NOTES	VEHICLE CONTROL HISTORY DATA
X2001	Steering Angle Sensor Malfunction	Outputs the malfunction judgment result for the steering angle sensor		The following data items are stored <ul style="list-style-type: none"> <li>• Total Distance Traveled</li> <li>• Total Distance Traveled - Unit</li> <li>• Steering Angle</li> <li>• VGRS System Invalid</li> <li>• DRS Steering Angle Invalid</li> <li>• Vehicle Speed Signal (SP1) Invalid</li> <li>• FR Wheel Rotatory Direction Invalid</li> <li>• FL Wheel Rotatory Direction Invalid</li> <li>• RR Wheel Rotatory Direction Invalid</li> <li>• RL Wheel Rotatory Direction Invalid</li> <li>• FR Wheel Speed Sensor Invalid</li> <li>• FL Wheel Speed Sensor Invalid</li> </ul>

CODE	TESTER DISPLAY	MEASUREMENT ITEM	NOTES	VEHICLE CONTROL HISTORY DATA
				<ul style="list-style-type: none"> <li>• RR Wheel Speed Sensor Invalid</li> <li>• RL Wheel Speed Sensor Invalid</li> <li>• Acceleration Sensor (Forward and Backward) Invalid</li> <li>• Rear Camera Temporarily Unavailable - Camera Partial Blockage (Dirt/Snow/Rain Drop)</li> <li>• Rear Camera Temporarily Unavailable - Camera Full Blockage (Dirt)</li> <li>• Rear Camera Temporarily Unavailable - Camera Full Blockage (Snow)</li> <li>• Rear Camera Temporarily Unavailable - Camera Full Blockage (Rain Drop)</li> <li>• Rear Camera Temporarily Unavailable - Camera Image Invalid</li> </ul>
X2003	Brake Control System Malfunction	Outputs the malfunction judgment result for the electronically controlled brake system		<p>The following data items are stored</p> <ul style="list-style-type: none"> <li>• Total Distance Traveled</li> <li>• Total Distance Traveled - Unit</li> <li>• Vehicle Speed</li> <li>• Vehicle Speed Signal (SP1) Invalid</li> <li>• FR Wheel Rotatory Direction Invalid</li> <li>• FL Wheel Rotatory Direction Invalid</li> <li>• RR Wheel Rotatory Direction Invalid</li> </ul>

CODE	TESTER DISPLAY	MEASUREMENT ITEM	NOTES	VEHICLE CONTROL HISTORY DATA
				<ul style="list-style-type: none"> <li>• RL Wheel Rotatory Direction Invalid</li> <li>• FR Wheel Speed Sensor Invalid</li> <li>• FL Wheel Speed Sensor Invalid</li> <li>• RR Wheel Speed Sensor Invalid</li> <li>• RL Wheel Speed Sensor Invalid</li> <li>• Rear Camera Temporarily Unavailable - Camera Partial Blockage (Dirt/Snow/Rain Drop)</li> <li>• Rear Camera Temporarily Unavailable - Camera Full Blockage (Dirt)</li> <li>• Rear Camera Temporarily Unavailable - Camera Full Blockage (Snow)</li> <li>• Rear Camera Temporarily Unavailable - Camera Full Blockage (Rain Drop)</li> <li>• Rear Camera Temporarily Unavailable - Camera Image Invalid</li> </ul>
X208E	Power Steering Control Module Malfunction	Outputs the malfunction judgment result for the power steering system		<p>The following data items are stored</p> <ul style="list-style-type: none"> <li>• Total Distance Traveled</li> <li>• Total Distance Traveled - Unit</li> <li>• EPS Steering Angle Value</li> <li>• EPS Fail</li> <li>• EPS Invalid</li> <li>• Target Steering Angle Value (EPS)</li> </ul>

CODE	TESTER DISPLAY	MEASUREMENT ITEM	NOTES	VEHICLE CONTROL HISTORY DATA
				<ul style="list-style-type: none"> <li>• Target Steering Angle Value (SBW)</li> <li>• Invalidity Factor</li> </ul>
X20B2	Rear Camera Temporarily Unavailable	Output when dirt (substances such as dirt, snow or raindrops) is adhered to the rear camera and obstructs the camera image	Remove the dirt adhered to the rear camera	<p>The following data items are stored</p> <ul style="list-style-type: none"> <li>• Total Distance Traveled</li> <li>• Total Distance Traveled - Unit</li> <li>• Steering Angle</li> <li>• Vehicle Speed</li> <li>• Advanced Park Control Status</li> <li>• Rear Camera Temporarily Unavailable - Camera Partial Blockage (Dirt/Snow/Rain Drop)</li> <li>• Rear Camera Temporarily Unavailable - Camera Full Blockage (Dirt)</li> <li>• Rear Camera Temporarily Unavailable - Camera Full Blockage (Snow)</li> <li>• Rear Camera Temporarily Unavailable - Camera Full Blockage (Rain Drop)</li> <li>• Rear Camera Temporarily Unavailable - Camera Image Invalid</li> <li>• Front Camera Temporarily Unavailable - Camera Partial Blockage (Dirt/Snow/Rain Drop)</li> <li>• Front Camera Temporarily Unavailable -</li> </ul>

CODE	TESTER DISPLAY	MEASUREMENT ITEM	NOTES	VEHICLE CONTROL HISTORY DATA
				<ul style="list-style-type: none"> <li>Camera Full Blockage (Dirt)</li> <li>• Front Camera Temporarily Unavailable - Camera Full Blockage (Snow)</li> <li>• Front Camera Temporarily Unavailable - Camera Full Blockage (Rain Drop)</li> <li>• Front Camera Temporarily Unavailable - Camera Image Invalid</li> <li>• Side Camera (Left) Temporarily Unavailable - Camera Partial Blockage (Dirt/Snow/Rain Drop)</li> <li>• Side Camera (Left) Temporarily Unavailable - Camera Full Blockage (Dirt)</li> <li>• Side Camera (Left) Temporarily Unavailable - Camera Full Blockage (Snow)</li> <li>• Side Camera (Left) Temporarily Unavailable - Camera Full Blockage (Rain Drop)</li> <li>• Side Camera (Left) Temporarily Unavailable - Camera Image Invalid</li> <li>• Side Camera (Left) Temporarily Unavailable - IR Projector Invalid</li> <li>• Side Camera (Right) Temporarily</li> </ul>

CODE	TESTER DISPLAY	MEASUREMENT ITEM	NOTES	VEHICLE CONTROL HISTORY DATA
				Unavailable - Camera Partial Blockage (Dirt/Snow/Rain Drop) <ul style="list-style-type: none"> <li>• Side Camera (Right) Temporarily Unavailable - Camera Full Blockage (Dirt)</li> <li>• Side Camera (Right) Temporarily Unavailable - Camera Full Blockage (Snow)</li> <li>• Side Camera (Right) Temporarily Unavailable - Camera Full Blockage (Rain Drop)</li> <li>• Side Camera (Right) Temporarily Unavailable - Camera Image Invalid</li> <li>• Side Camera (Right) Temporarily Unavailable - IR Projector Invalid</li> </ul>
X20BA	Front Camera Temporarily Unavailable	Output when dirt (substances such as dirt, snow or raindrops) is adhered to the front camera and obstructs the camera image	Remove the dirt adhered to the front camera	The following data items are stored <ul style="list-style-type: none"> <li>• Total Distance Traveled</li> <li>• Total Distance Traveled - Unit</li> <li>• Steering angle</li> <li>• Vehicle Speed</li> <li>• Advanced Park Control Status</li> <li>• Rear Camera Temporarily Unavailable - Camera Partial Blockage (Dirt/Snow/Rain Drop)</li> <li>• Rear Camera Temporarily Unavailable -</li> </ul>

CODE	TESTER DISPLAY	MEASUREMENT ITEM	NOTES	VEHICLE CONTROL HISTORY DATA
				<ul style="list-style-type: none"> <li>Camera Full Blockage (Dirt)</li> <li>• Rear Camera Temporarily Unavailable - Camera Full Blockage (Snow)</li> <li>• Rear Camera Temporarily Unavailable - Camera Full Blockage (Rain Drop)</li> <li>• Rear Camera Temporarily Unavailable - Camera Image Invalid</li> <li>• Front Camera Temporarily Unavailable - Camera Partial Blockage (Dirt/Snow/Rain Drop)</li> <li>• Front Camera Temporarily Unavailable - Camera Full Blockage (Dirt)</li> <li>• Front Camera Temporarily Unavailable - Camera Full Blockage (Snow)</li> <li>• Front Camera Temporarily Unavailable - Camera Full Blockage (Rain Drop)</li> <li>• Front Camera Temporarily Unavailable - Camera Image Invalid</li> <li>• Side Camera (Left) Temporarily Unavailable - Camera Partial Blockage</li> </ul>

CODE	TESTER DISPLAY	MEASUREMENT ITEM	NOTES	VEHICLE CONTROL HISTORY DATA
				(Dirt/Snow/Rain Drop) • Side Camera (Left) Temporarily Unavailable - Camera Full Blockage (Dirt) • Side Camera (Left) Temporarily Unavailable - Camera Full Blockage (Snow) • Side Camera (Left) Temporarily Unavailable - Camera Full Blockage (Rain Drop) • Side Camera (Left) Temporarily Unavailable - Camera Image Invalid • Side Camera (Left) Temporarily Unavailable - IR Projector Invalid • Side Camera (Right) Temporarily Unavailable - Camera Partial Blockage (Dirt/Snow/Rain Drop) • Side Camera (Right) Temporarily Unavailable - Camera Full Blockage (Dirt) • Side Camera (Right) Temporarily Unavailable - Camera Full Blockage (Snow) • Side Camera (Right) Temporarily Unavailable - Camera Full Blockage (Rain Drop) • Side Camera (Right) Temporarily



CODE	TESTER DISPLAY	MEASUREMENT ITEM	NOTES	VEHICLE CONTROL HISTORY DATA
				Unavailable - Camera Image Invalid <ul style="list-style-type: none"> <li>• Side Camera (Right) Temporarily Unavailable - IR Projector Invalid</li> </ul>
X20BB	Side Camera (Left) Temporarily Unavailable	<ul style="list-style-type: none"> <li>• Output when dirt (substances such as dirt, snow or raindrops) is adhered to the side camera LH and obstructs the camera image</li> <li>• Output when dirt (substances such as dirt, snow or raindrops) is adhered to the side camera LH and obstructs the camera image</li> </ul>	When side camera LH is dirty: Remove the dirt adhered to the side camera LH When parking assist light is dirty: Remove the dirt adhered to the parking assist light	The following data items are stored <ul style="list-style-type: none"> <li>• Total Distance Traveled</li> <li>• Total Distance Traveled - Unit</li> <li>• Steering Angle</li> <li>• Vehicle Speed</li> <li>• IR Projector Control Status</li> <li>• Advanced Park Control Status</li> <li>• Rear Camera Temporarily Unavailable - Camera Partial Blockage (Dirt/Snow/Rain Drop)</li> <li>• Rear Camera Temporarily Unavailable - Camera Full Blockage (Dirt)</li> <li>• Rear Camera Temporarily Unavailable - Camera Full Blockage (Snow)</li> <li>• Rear Camera Temporarily Unavailable - Camera Full Blockage (Rain Drop)</li> <li>• Rear Camera Temporarily Unavailable - Camera Image Invalid</li> <li>• Front Camera Temporarily Unavailable - Camera Partial</li> </ul>

CODE	TESTER DISPLAY	MEASUREMENT ITEM	NOTES	VEHICLE CONTROL HISTORY DATA
				Blockage (Dirt/Snow/Rain Drop) <ul style="list-style-type: none"> <li>• Front Camera Temporarily Unavailable - Camera Full Blockage (Dirt)</li> <li>• Front Camera Temporarily Unavailable - Camera Full Blockage (Snow)</li> <li>• Front Camera Temporarily Unavailable - Camera Full Blockage (Rain Drop)</li> <li>• Front Camera Temporarily Unavailable - Camera Image Invalid</li> <li>• Side Camera (Left) Temporarily Unavailable - Camera Partial Blockage (Dirt/Snow/Rain Drop)</li> <li>• Side Camera (Left) Temporarily Unavailable - Camera Full Blockage (Dirt)</li> <li>• Side Camera (Left) Temporarily Unavailable - Camera Full Blockage (Snow)</li> <li>• Side Camera (Left) Temporarily Unavailable - Camera Full Blockage (Rain Drop)</li> <li>• Side Camera (Left) Temporarily Unavailable - Camera Image Invalid</li> </ul>

CODE	TESTER DISPLAY	MEASUREMENT ITEM	NOTES	VEHICLE CONTROL HISTORY DATA
				<ul style="list-style-type: none"> <li>• Side Camera (Left) Temporarily Unavailable - IR Projector Invalid</li> <li>• Side Camera (Right) Temporarily Unavailable - Camera Partial Blockage (Dirt/Snow/Rain Drop)</li> <li>• Side Camera (Right) Temporarily Unavailable - Camera Full Blockage (Dirt)</li> <li>• Side Camera (Right) Temporarily Unavailable - Camera Full Blockage (Snow)</li> <li>• Side Camera (Right) Temporarily Unavailable - Camera Full Blockage (Rain Drop)</li> <li>• Side Camera (Right) Temporarily Unavailable - Camera Image Invalid</li> <li>• Side Camera (Right) Temporarily Unavailable - IR Projector Invalid</li> </ul>
X20BC	Side Camera (Right) Temporarily Unavailable	<ul style="list-style-type: none"> <li>• Output when dirt (substances such as dirt, snow or raindrops) is adhered to the side camera RH and obstructs the camera image</li> <li>• Output when dirt (substances such as dirt, snow or raindrops) is adhered to the side camera RH</li> </ul>	When side camera RH is dirty: Remove the dirt adhered to the side camera RH When parking assist light is dirty: Remove the dirt adhered to the parking assist light	The following data items are stored <ul style="list-style-type: none"> <li>• Total Distance Traveled</li> <li>• Total Distance Traveled - Unit</li> <li>• Steering Angle</li> <li>• Vehicle Speed</li> <li>• IR Projector Control Status</li> <li>• Advanced Park Control Status</li> <li>• Rear Camera Temporarily</li> </ul>

CODE	TESTER DISPLAY	MEASUREMENT ITEM	NOTES	VEHICLE CONTROL HISTORY DATA
		and obstructs the camera image		Unavailable - Camera Partial Blockage (Dirt/Snow/Rain Drop) • Rear Camera Temporarily Unavailable - Camera Full Blockage (Dirt) • Rear Camera Temporarily Unavailable - Camera Full Blockage (Snow) • Rear Camera Temporarily Unavailable - Camera Full Blockage (Rain Drop) • Rear Camera Temporarily Unavailable - Camera Image Invalid • Front Camera Temporarily Unavailable - Camera Partial Blockage (Dirt/Snow/Rain Drop) • Front Camera Temporarily Unavailable - Camera Full Blockage (Dirt) • Front Camera Temporarily Unavailable - Camera Full Blockage (Snow) • Front Camera Temporarily Unavailable - Camera Full Blockage (Rain Drop) • Front Camera Temporarily Unavailable -

CODE	TESTER DISPLAY	MEASUREMENT ITEM	NOTES	VEHICLE CONTROL HISTORY DATA
				<ul style="list-style-type: none"> <li>Camera Image Invalid</li> <li>• Side Camera (Left) Temporarily Unavailable - Camera Partial Blockage (Dirt/Snow/Rain Drop)</li> <li>• Side Camera (Left) Temporarily Unavailable - Camera Full Blockage (Dirt)</li> <li>• Side Camera (Left) Temporarily Unavailable - Camera Full Blockage (Snow)</li> <li>• Side Camera (Left) Temporarily Unavailable - Camera Full Blockage (Rain Drop)</li> <li>• Side Camera (Left) Temporarily Unavailable - Camera Image Invalid</li> <li>• Side Camera (Left) Temporarily Unavailable - IR Projector Invalid</li> <li>• Side Camera (Right) Temporarily Unavailable - Camera Partial Blockage (Dirt/Snow/Rain Drop)</li> <li>• Side Camera (Right) Temporarily Unavailable - Camera Full Blockage (Dirt)</li> <li>• Side Camera (Right) Temporarily Unavailable - Camera Full Blockage (Snow)</li> </ul>

CODE	TESTER DISPLAY	MEASUREMENT ITEM	NOTES	VEHICLE CONTROL HISTORY DATA
				<ul style="list-style-type: none"> <li>• Side Camera (Right) Temporarily Unavailable - Camera Full Blockage (Rain Drop)</li> <li>• Side Camera (Right) Temporarily Unavailable - Camera Image Invalid</li> <li>• Side Camera (Right) Temporarily Unavailable - IR Projector Invalid</li> </ul>
X20BE	Rear Camera Detection Unavailable (Dirty)	The rear camera detection function is temporarily not able to operate due to the rear camera being temporarily dirty, malfunctioning, etc.	Remove dirt from the rear camera.	<p>The following data items are stored</p> <ul style="list-style-type: none"> <li>• Total Distance Traveled</li> <li>• Total Distance Traveled - Unit</li> <li>• Vehicle Speed for Detection</li> <li>• Dirty (Mud) Status (Detection Timing)</li> <li>• Dirty (Snow Melting Agent) Status (Detection Timing)</li> <li>• Dirty (Water Drop) Status (Detection Timing)</li> <li>• Dirt Detective Position x0y0 (Detection Timing)</li> <li>• Dirt Detective Position x0y1 (Detection Timing)</li> <li>• Dirt Detective Position x0y2 (Detection Timing)</li> <li>• Dirt Detective Position x0y3 (Detection Timing)</li> <li>• Dirt Detective Position x1y0 (Detection Timing)</li> <li>• Dirt Detective Position x1y1 (Detection Timing)</li> <li>• Dirt Detective Position x1y2</li> </ul>

CODE	TESTER DISPLAY	MEASUREMENT ITEM	NOTES	VEHICLE CONTROL HISTORY DATA
				<ul style="list-style-type: none"> <li>(Detection Timing)</li> <li>• Dirt Detective Position x1y3 (Detection Timing)</li> <li>• Dirt Detective Position x2y0 (Detection Timing)</li> <li>• Dirt Detective Position x2y1 (Detection Timing)</li> <li>• Dirt Detective Position x2y2 (Detection Timing)</li> <li>• Dirt Detective Position x2y3 (Detection Timing)</li> <li>• Dirt Detective Position x3y0 (Detection Timing)</li> <li>• Dirt Detective Position x3y1 (Detection Timing)</li> <li>• Dirt Detective Position x3y2 (Detection Timing)</li> <li>• Dirt Detective Position x3y3 (Detection Timing)</li> <li>• Dirt Size (Detection Timing)</li> <li>• Year of Dirt Detection (Detection Timing)</li> <li>• Month of Dirt Detection (Detection Timing)</li> <li>• Date of Dirt Detection (Detection Timing)</li> <li>• Hour of Dirt Detection (Detection Timing)</li> <li>• Minute of Dirt Detection (Detection Timing)</li> <li>• Second of Dirt Detection (Detection Timing)</li> <li>• Camera Washer Function Operation Times</li> </ul>

CODE	TESTER DISPLAY	MEASUREMENT ITEM	NOTES	VEHICLE CONTROL HISTORY DATA
				<ul style="list-style-type: none"> <li>• Dirty Detection Times</li> </ul>
X2130	PKSB Operation History (Rear Camera)	Operation history for the parking support brake (rear camera)	-	<p>The following data items are stored</p> <ul style="list-style-type: none"> <li>• Total Distance Traveled</li> <li>• Total Distance Traveled - Unit</li> <li>• Steering Angle</li> <li>• GPS Information #2 GNSS Sync ID1</li> <li>• GPS Information #2 Valid or Invalid Flag</li> <li>• GPS Information #2 Mode of Positioning</li> <li>• GPS Information #2 Latitude Information</li> <li>• GPS Information #2 Longitude Information</li> <li>• GPS Information #2 Latitude Detail Information1</li> <li>• GPS Information #2 Latitude Detail Information2</li> <li>• GPS Information #2 GNSS Sync ID2</li> <li>• GPS Information #2 Longitude Detail Information1</li> <li>• GPS Information #2 Longitude Detail Information2</li> <li>• PKSB Function Operation Times</li> <li>• ID1 Left Upper Corner X Position of Detective Frame</li> <li>• ID1 Left Upper Corner Y Position of Detective Frame</li> <li>• ID1 Right Under Corner X Position of Detective Frame</li> <li>• ID1 Right Under Corner Y Position of Detective Frame</li> <li>• ID1 Detective State</li> <li>• ID1 Detective Target Information</li> </ul>




CODE	TESTER DISPLAY	MEASUREMENT ITEM	NOTES	VEHICLE CONTROL HISTORY DATA
				<ul style="list-style-type: none"> <li>• ID2 Left Upper Corner X Position of Detective Frame</li> <li>• ID2 Left Upper Corner Y Position of Detective Frame</li> <li>• ID2 Right Under Corner X Position of Detective Frame</li> <li>• ID2 Right Under Corner Y Position of Detective Frame</li> <li>• ID2 Detective State</li> <li>• ID2 Detective Target Information</li> <li>• ID3 Left Upper Corner X Position of Detective Frame</li> <li>• ID3 Left Upper Corner Y Position of Detective Frame</li> <li>• ID3 Right Under Corner X Position of Detective Frame</li> <li>• ID3 Right Under Corner Y Position of Detective Frame</li> <li>• ID3 Detective State</li> <li>• ID3 Detective Target Information</li> <li>• ID4 Left Upper Corner X Position of Detective Frame</li> <li>• ID4 Left Upper Corner Y Position of Detective Frame</li> <li>• ID4 Right Under Corner X Position of Detective Frame</li> <li>• ID4 Right Under Corner Y Position of Detective Frame</li> <li>• ID4 Detective State</li> <li>• ID4 Detective Target Information</li> <li>• Mean Brightness Level</li> <li>• ID1 Rear Camera Detection Target Distance X</li> <li>• ID1 Rear Camera Detection Target</li> </ul>




CODE	TESTER DISPLAY	MEASUREMENT ITEM	NOTES	VEHICLE CONTROL HISTORY DATA
				<ul style="list-style-type: none"> <li>Distance Y</li> <li>• ID2 Rear Camera Detection Target Distance X</li> <li>• ID2 Rear Camera Detection Target Distance Y</li> <li>• ID3 Rear Camera Detection Target Distance X</li> <li>• ID3 Rear Camera Detection Target Distance Y</li> <li>• ID4 Rear Camera Detection Target Distance X</li> <li>• ID4 Rear Camera Detection Target Distance Y</li> <li>• Vehicle Speed for Detection</li> <li>• Dirty (Mud) Status (Latest)</li> <li>• Dirty (Snow Melting Agent) Status (Latest)</li> <li>• Dirty (Water Drop) Status (Latest)</li> <li>• Dirt Detective Position x0y0 (Latest)</li> <li>• Dirt Detective Position x0y1 (Latest)</li> <li>• Dirt Detective Position x0y2 (Latest)</li> <li>• Dirt Detective Position x0y3 (Latest)</li> <li>• Dirt Detective Position x1y0 (Latest)</li> <li>• Dirt Detective Position x1y1 (Latest)</li> <li>• Dirt Detective Position x1y2 (Latest)</li> <li>• Dirt Detective Position x1y3 (Latest)</li> </ul>

CODE	TESTER DISPLAY	MEASUREMENT ITEM	NOTES	VEHICLE CONTROL HISTORY DATA
				<ul style="list-style-type: none"> <li>• Dirt Detective Position x2y0 (Latest)</li> <li>• Dirt Detective Position x2y1 (Latest)</li> <li>• Dirt Detective Position x2y2 (Latest)</li> <li>• Dirt Detective Position x2y3 (Latest)</li> <li>• Dirt Detective Position x3y0 (Latest)</li> <li>• Dirt Detective Position x3y1 (Latest)</li> <li>• Dirt Detective Position x3y2 (Latest)</li> <li>• Dirt Detective Position x3y3 (Latest)</li> </ul>
X2132	Rear Camera Detection Unavailable (Other)	The rear camera detection function is temporarily not able to operate due to the rear camera being temporarily dirty, malfunctioning, etc.	Remove dirt from the rear camera.	The following data items are stored <ul style="list-style-type: none"> <li>• Total Distance Traveled</li> <li>• Total Distance Traveled - Unit</li> <li>• Invalidity Factor</li> </ul>
X2133	Rear Camera Detection Unavailable (Dirty (Dirt Detect Timing Information))	The rear camera detection function is temporarily not able to operate due to the rear camera being temporarily dirty, malfunctioning, etc.	Remove dirt from the rear camera.	The following data items are stored <ul style="list-style-type: none"> <li>• Total Distance Traveled</li> <li>• Total Distance Traveled - Unit</li> <li>• Steering Angle</li> <li>• GPS Information #2 GNSS Sync ID1</li> <li>• GPS Information #2 Valid or Invalid Flag</li> <li>• GPS Information #2 Mode of Positioning</li> <li>• GPS Information #2 Latitude Information</li> <li>• GPS Information #2 Longitude Information</li> </ul>

CODE	TESTER DISPLAY	MEASUREMENT ITEM	NOTES	VEHICLE CONTROL HISTORY DATA
				<ul style="list-style-type: none"> <li>• GPS Information #2 Latitude Detail Information1</li> <li>• GPS Information #2 Latitude Detail Information2</li> <li>• GPS Information #2 GNSS Sync ID2</li> <li>• GPS Information #2 Longitude Detail Information1</li> <li>• GPS Information #2 Longitude Detail Information2</li> <li>• Vehicle Speed for Detection</li> <li>• Dirty (Mud) Status (Detection Timing)</li> <li>• Dirty (Snow Melting Agent) Status (Detection Timing)</li> <li>• Dirty (Water Drop) Status (Detection Timing)</li> <li>• Dirt Detective Position x0y0 (Detection Timing)</li> <li>• Dirt Detective Position x0y1 (Detection Timing)</li> <li>• Dirt Detective Position x0y2 (Detection Timing)</li> <li>• Dirt Detective Position x0y3 (Detection Timing)</li> <li>• Dirt Detective Position x1y0 (Detection Timing)</li> <li>• Dirt Detective Position x1y1 (Detection Timing)</li> <li>• Dirt Detective Position x1y2 (Detection Timing)</li> <li>• Dirt Detective Position x1y3 (Detection Timing)</li> <li>• Dirt Detective Position x2y0 (Detection Timing)</li> </ul>

CODE	TESTER DISPLAY	MEASUREMENT ITEM	NOTES	VEHICLE CONTROL HISTORY DATA
				<ul style="list-style-type: none"> <li>• Dirt Detective Position x2y1 (Detection Timing)</li> <li>• Dirt Detective Position x2y2 (Detection Timing)</li> <li>• Dirt Detective Position x2y3 (Detection Timing)</li> <li>• Dirt Detective Position x3y0 (Detection Timing)</li> <li>• Dirt Detective Position x3y1 (Detection Timing)</li> <li>• Dirt Detective Position x3y2 (Detection Timing)</li> <li>• Dirt Detective Position x3y3 (Detection Timing)</li> <li>• Dirt Size (Detection Timing)</li> <li>• Year of Dirt Detection (Detection Timing)</li> <li>• Month of Dirt Detection (Detection Timing)</li> <li>• Date of Dirt Detection (Detection Timing)</li> <li>• Hour of Dirt Detection (Detection Timing)</li> <li>• Minute of Dirt Detection (Detection Timing)</li> <li>• Second of Dirt Detection (Detection Timing)</li> <li>• Camera Washer Function Operation Times</li> <li>• Dirty Detection Times</li> </ul>
X2190	Rear Camera Image Malfunction	<ul style="list-style-type: none"> <li>• Output when a rear camera malfunction is detected</li> </ul>		<p>The following data items are stored</p> <ul style="list-style-type: none"> <li>• Total Distance Traveled</li> </ul>



CODE	TESTER DISPLAY	MEASUREMENT ITEM	NOTES	VEHICLE CONTROL HISTORY DATA
		<ul style="list-style-type: none"> <li>Output when temporary black screen or image distortion of the rear camera occurs</li> </ul>		<ul style="list-style-type: none"> <li>Total Distance Traveled - Unit</li> <li>Steering Angle</li> <li>Vehicle Speed</li> <li>Vehicle Speed Signal (SP1) Invalid</li> <li>FR Wheel Rotatory Direction Invalid</li> <li>FL Wheel Rotatory Direction Invalid</li> <li>RR Wheel Rotatory Direction Invalid</li> <li>RL Wheel Rotatory Direction Invalid</li> <li>FR Wheel Speed Sensor Invalid</li> <li>FL Wheel Speed Sensor Invalid</li> <li>RR Wheel Speed Sensor Invalid</li> <li>RL Wheel Speed Sensor Invalid</li> <li>Acceleration Sensor (Forward and Backward) Invalid</li> <li>Advanced Park Control Status</li> <li>Rear Camera Temporarily Unavailable - Camera Partial Blockage (Dirt/Snow/Rain Drop)</li> <li>Rear Camera Temporarily Unavailable - Camera Full Blockage (Dirt)</li> <li>Rear Camera Temporarily Unavailable - Camera Full Blockage (Snow)</li> <li>Rear Camera Temporarily Unavailable - Camera Full Blockage (Rain Drop)</li> <li>Rear Camera Temporarily Unavailable</li> </ul>

CODE	TESTER DISPLAY	MEASUREMENT ITEM	NOTES	VEHICLE CONTROL HISTORY DATA
				Unavailable - Camera Image Invalid
X2191	Front Camera Image Malfunction	<ul style="list-style-type: none"> <li>• Output when a front camera malfunction is detected</li> <li>• Output when temporary black screen or image distortion of the front camera occurs</li> </ul>		<p>The following data items are stored</p> <ul style="list-style-type: none"> <li>• Total Distance Traveled</li> <li>• Total Distance Traveled - Unit</li> <li>• Steering Angle</li> <li>• Vehicle Speed</li> <li>• Advanced Park Control Status</li> </ul>
X2192	Side Camera (Left) Image Malfunction	<ul style="list-style-type: none"> <li>• Output when a side camera LH malfunction is detected</li> <li>• Output when temporary black screen or image distortion of the side camera LH occurs</li> </ul>		<p>The following data items are stored</p> <ul style="list-style-type: none"> <li>• Total Distance Traveled</li> <li>• Total Distance Traveled - Unit</li> <li>• Steering Angle</li> <li>• Vehicle Speed</li> <li>• Advanced Park Control Status</li> </ul>
X2193	Side Camera (Right) Image Malfunction	<ul style="list-style-type: none"> <li>• Output when a side camera RH malfunction is detected</li> <li>• Output when temporary black screen or image distortion of the side camera RH occurs</li> </ul>		<p>The following data items are stored</p> <ul style="list-style-type: none"> <li>• Total Distance Traveled</li> <li>• Total Distance Traveled - Unit</li> <li>• Steering Angle</li> <li>• Vehicle Speed</li> <li>• Advanced Park Control Status</li> </ul>
X219D	Advanced Park System Invalid	Output when temporary system disabling was stored due to low IG power source voltage or the system busy status	Turn the power switch off and then on (IG)	<p>The following data items are stored</p> <ul style="list-style-type: none"> <li>• Total Distance Traveled</li> <li>• Total Distance Traveled - Unit</li> <li>• Steering Angle</li> <li>• Vehicle Speed</li> <li>• Rear Camera Temporarily Unavailable - Camera Partial Blockage</li> </ul>



CODE	TESTER DISPLAY	MEASUREMENT ITEM	NOTES	VEHICLE CONTROL HISTORY DATA
				(Dirt/Snow/Rain Drop) <ul style="list-style-type: none"> <li>• Rear Camera Temporarily Unavailable - Camera Full Blockage (Dirt)</li> <li>• Rear Camera Temporarily Unavailable - Camera Full Blockage (Snow)</li> <li>• Rear Camera Temporarily Unavailable - Camera Full Blockage (Rain Drop)</li> <li>• Rear Camera Temporarily Unavailable - Camera Image Invalid</li> <li>• Front Camera Temporarily Unavailable - Camera Partial Blockage (Dirt/Snow/Rain Drop)</li> <li>• Front Camera Temporarily Unavailable - Camera Full Blockage (Dirt)</li> <li>• Front Camera Temporarily Unavailable - Camera Full Blockage (Snow)</li> <li>• Front Camera Temporarily Unavailable - Camera Full Blockage (Rain Drop)</li> <li>• Front Camera Temporarily Unavailable - Camera Image Invalid</li> </ul>



CODE	TESTER DISPLAY	MEASUREMENT ITEM	NOTES	VEHICLE CONTROL HISTORY DATA
				<ul style="list-style-type: none"> <li>• Side Camera (Left) Temporarily Unavailable - Camera Partial Blockage (Dirt/Snow/Rain Drop)</li> <li>• Side Camera (Left) Temporarily Unavailable - Camera Full Blockage (Dirt)</li> <li>• Side Camera (Left) Temporarily Unavailable - Camera Full Blockage (Snow)</li> <li>• Side Camera (Left) Temporarily Unavailable - Camera Full Blockage (Rain Drop)</li> <li>• Side Camera (Left) Temporarily Unavailable - Camera Image Invalid</li> <li>• Side Camera (Left) Temporarily Unavailable - IR Projector Invalid</li> <li>• Side Camera (Right) Temporarily Unavailable - Camera Partial Blockage (Dirt/Snow/Rain Drop)</li> <li>• Side Camera (Right) Temporarily Unavailable - Camera Full Blockage (Dirt)</li> <li>• Side Camera (Right) Temporarily Unavailable - Camera Full Blockage (Snow)</li> <li>• Side Camera (Right) Temporarily Unavailable -</li> </ul>

CODE	TESTER DISPLAY	MEASUREMENT ITEM	NOTES	VEHICLE CONTROL HISTORY DATA
				Camera Full Blockage (Rain Drop) <ul style="list-style-type: none"> <li>• Side Camera (Right) Temporarily Unavailable - Camera Image Invalid</li> <li>• Side Camera (Right) Temporarily Unavailable - IR Projector Invalid</li> <li>• ECU Processing High Load</li> <li>• ECU Internal Microcomputer Communication Failure</li> <li>• Stall Registry Failure</li> </ul>
X21BC	Multimedia Display Mode Inconsistency	When the video display mode does not match		The following data items are stored <ul style="list-style-type: none"> <li>• Total Distance Traveled</li> <li>• Total Distance Traveled - Unit</li> <li>• AVN Communication Flag</li> <li>• Camera Mode State</li> <li>• Camera Diagnostic Mode State</li> <li>• Day or Night Display State</li> <li>• Sound BEEP Available</li> <li>• Display Size Information</li> <li>• MM Diagnostic Mode State</li> </ul>
X2601	Software Inconsistency with ENG/HV/EV Control Module	Detects a mismatch between the setting value stored in nonvolatile memory and the HV/ENG signal judgment value received from CAN		The following data items are stored <ul style="list-style-type: none"> <li>• Total Distance Traveled</li> <li>• Total Distance Traveled - Unit</li> <li>• Rear Camera Temporarily Unavailable - Camera Partial Blockage</li> </ul>

CODE	TESTER DISPLAY	MEASUREMENT ITEM	NOTES	VEHICLE CONTROL HISTORY DATA
				(Dirt/Snow/Rain Drop) <ul style="list-style-type: none"> <li>• Rear Camera Temporarily Unavailable - Camera Full Blockage (Dirt)</li> <li>• Rear Camera Temporarily Unavailable - Camera Full Blockage (Snow)</li> <li>• Rear Camera Temporarily Unavailable - Camera Full Blockage (Rain Drop)</li> <li>• Rear Camera Temporarily Unavailable - Camera Image Invalid</li> </ul>
X2603	Software Inconsistency with Body Control Module	Detects a mismatch between the setting value stored in nonvolatile memory and the BDB signal judgment value received from CAN	-	The following data items are stored <ul style="list-style-type: none"> <li>• Total Distance Traveled</li> <li>• Total Distance Traveled - Unit</li> <li>• Rear Camera Temporarily Unavailable - Camera Partial Blockage (Dirt/Snow/Rain Drop)</li> <li>• Rear Camera Temporarily Unavailable - Camera Full Blockage (Dirt)</li> <li>• Rear Camera Temporarily Unavailable - Camera Full Blockage (Snow)</li> <li>• Rear Camera Temporarily Unavailable - Camera Full</li> </ul>

CODE	TESTER DISPLAY	MEASUREMENT ITEM	NOTES	VEHICLE CONTROL HISTORY DATA
				Blockage (Rain Drop) <ul style="list-style-type: none"> <li>Rear Camera Temporarily Unavailable - Camera Image Invalid</li> </ul>
X261F	Software Inconsistency with Power Steering Control Module	Detects a mismatch between the setting value stored in nonvolatile memory and the EPS system signal judgment value received from CAN		The following data items are stored <ul style="list-style-type: none"> <li>Total Distance Traveled</li> <li>Total Distance Traveled - Unit</li> <li>Rear Camera Temporarily Unavailable - Camera Partial Blockage (Dirt/Snow/Rain Drop)</li> <li>Rear Camera Temporarily Unavailable - Camera Full Blockage (Dirt)</li> <li>Rear Camera Temporarily Unavailable - Camera Full Blockage (Snow)</li> <li>Rear Camera Temporarily Unavailable - Camera Full Blockage (Rain Drop)</li> <li>Rear Camera Temporarily Unavailable - Camera Image Invalid</li> </ul>
X2624	Circumference Monitoring Camera Optical Axis Not Adjusted	Output when the optical axis adjustment of the parking assist ECU is incomplete	<ol style="list-style-type: none"> <li></li> <li>If Rob is output again, replace the parking assist computer.</li> </ol>	The following data items are stored <ul style="list-style-type: none"> <li>Total Distance Traveled</li> <li>Total Distance Traveled - Unit</li> </ul>

CODE	TESTER DISPLAY	MEASUREMENT ITEM	NOTES	VEHICLE CONTROL HISTORY DATA
			INFO	
X2655	Software Inconsistency with Clearance Sonar Control Module	Outputs the error judgment result of the clearance sonar system	INFO	<p>The following data items are stored</p> <ul style="list-style-type: none"> <li>• Total Distance Traveled</li> <li>• Total Distance Traveled - Unit</li> </ul>
X284E	Rear Camera Wash Function Operation History	Operation history for the rear camera wash function	-	<p>The following data items are stored</p> <ul style="list-style-type: none"> <li>• Total Distance Traveled</li> <li>• Total Distance Traveled - Unit</li> <li>• Steering Angle</li> <li>• GPS Information #2 GNSS Sync ID1</li> <li>• GPS Information #2 Valid or Invalid Flag</li> <li>• GPS Information #2 Mode of Positioning</li> <li>• GPS Information #2 Latitude Information</li> <li>• GPS Information #2 Longitude Information</li> <li>• GPS Information #2 Latitude Detail Information1</li> <li>• GPS Information #2 Latitude Detail Information2</li> <li>• GPS Information #2 GNSS Sync ID2</li> <li>• GPS Information #2 Longitude Detail Information1</li> <li>• GPS Information #2 Longitude Detail Information2</li> <li>• Vehicle Speed for Detection</li> <li>• Dirty (Mud) Status (Latest)</li> <li>• Dirty (Snow Melting Agent) Status (Latest)</li> <li>• Dirty (Water Drop) Status (Latest)</li> </ul>

CODE	TESTER DISPLAY	MEASUREMENT ITEM	NOTES	VEHICLE CONTROL HISTORY DATA
				<ul style="list-style-type: none"> <li>• Dirt Detective Position x0y0 (Latest)</li> <li>• Dirt Detective Position x0y1 (Latest)</li> <li>• Dirt Detective Position x0y2 (Latest)</li> <li>• Dirt Detective Position x0y3 (Latest)</li> <li>• Dirt Detective Position x1y0 (Latest)</li> <li>• Dirt Detective Position x1y1 (Latest)</li> <li>• Dirt Detective Position x1y2 (Latest)</li> <li>• Dirt Detective Position x1y3 (Latest)</li> <li>• Dirt Detective Position x2y0 (Latest)</li> <li>• Dirt Detective Position x2y1 (Latest)</li> <li>• Dirt Detective Position x2y2 (Latest)</li> <li>• Dirt Detective Position x2y3 (Latest)</li> <li>• Dirt Detective Position x3y0 (Latest)</li> <li>• Dirt Detective Position x3y1 (Latest)</li> <li>• Dirt Detective Position x3y2 (Latest)</li> <li>• Dirt Detective Position x3y3 (Latest)</li> <li>• Dirt Size (Latest)</li> <li>• Camera Washer Function Operation Times</li> </ul>

CODE	TESTER DISPLAY	MEASUREMENT ITEM	NOTES	VEHICLE CONTROL HISTORY DATA
				<ul style="list-style-type: none"> <li>• Dirty Detection Times</li> </ul>
X2856	Information of Detection High Acceleration (Rear Camera)	Display the history when high acceleration above a certain level is detected	-	<p>The following data items are stored</p> <ul style="list-style-type: none"> <li>• Total Distance Traveled</li> <li>• Total Distance Traveled - Unit</li> <li>• Steering Angle</li> <li>• GPS Information #2 GNSS Sync ID1</li> <li>• GPS Information #2 Valid or Invalid Flag</li> <li>• GPS Information #2 Mode of Positioning</li> <li>• GPS Information #2 Latitude Information</li> <li>• GPS Information #2 Longitude Information</li> <li>• GPS Information #2 Latitude Detail Information1</li> <li>• GPS Information #2 Latitude Detail Information2</li> <li>• GPS Information #2 GNSS Sync ID2</li> <li>• GPS Information #2 Longitude Detail Information1</li> <li>• GPS Information #2 Longitude Detail Information2</li> <li>• PKSB Function Operation Times</li> <li>• ID1 Left Upper Corner X Position of Detective Frame</li> <li>• ID1 Left Upper Corner Y Position of Detective Frame</li> <li>• ID1 Right Under Corner X Position of Detective Frame</li> <li>• ID1 Right Under Corner Y Position of Detective Frame</li> <li>• ID1 Detective State</li> <li>• ID1 Detective Target Information</li> </ul>

CODE	TESTER DISPLAY	MEASUREMENT ITEM	NOTES	VEHICLE CONTROL HISTORY DATA
				<ul style="list-style-type: none"> <li>• ID2 Left Upper Corner X Position of Detective Frame</li> <li>• ID2 Left Upper Corner Y Position of Detective Frame</li> <li>• ID2 Right Under Corner X Position of Detective Frame</li> <li>• ID2 Right Under Corner Y Position of Detective Frame</li> <li>• ID2 Detective State</li> <li>• ID2 Detective Target Information</li> <li>• ID3 Left Upper Corner X Position of Detective Frame</li> <li>• ID3 Left Upper Corner Y Position of Detective Frame</li> <li>• ID3 Right Under Corner X Position of Detective Frame</li> <li>• ID3 Right Under Corner Y Position of Detective Frame</li> <li>• ID3 Detective State</li> <li>• ID3 Detective Target Information</li> <li>• ID4 Left Upper Corner X Position of Detective Frame</li> <li>• ID4 Left Upper Corner Y Position of Detective Frame</li> <li>• ID4 Right Under Corner X Position of Detective Frame</li> <li>• ID4 Right Under Corner Y Position of Detective Frame</li> <li>• ID4 Detective State</li> <li>• ID4 Detective Target Information</li> <li>• Mean Brightness Level</li> <li>• ID1 Rear Camera Detection Target Distance X</li> <li>• ID1 Rear Camera Detection Target</li> </ul>



CODE	TESTER DISPLAY	MEASUREMENT ITEM	NOTES	VEHICLE CONTROL HISTORY DATA
				<ul style="list-style-type: none"> <li>Distance Y</li> <li>• ID2 Rear Camera Detection Target Distance X</li> <li>• ID2 Rear Camera Detection Target Distance Y</li> <li>• ID3 Rear Camera Detection Target Distance X</li> <li>• ID3 Rear Camera Detection Target Distance Y</li> <li>• ID4 Rear Camera Detection Target Distance X</li> <li>• ID4 Rear Camera Detection Target Distance Y</li> <li>• Vehicle Speed for Detection</li> <li>• Dirty (Mud) Status (Latest)</li> <li>• Dirty (Snow Melting Agent) Status (Latest)</li> <li>• Dirty (Water Drop) Status (Latest)</li> <li>• Dirt Detective Position x0y0 (Latest)</li> <li>• Dirt Detective Position x0y1 (Latest)</li> <li>• Dirt Detective Position x0y2 (Latest)</li> <li>• Dirt Detective Position x0y3 (Latest)</li> <li>• Dirt Detective Position x1y0 (Latest)</li> <li>• Dirt Detective Position x1y1 (Latest)</li> <li>• Dirt Detective Position x1y2 (Latest)</li> <li>• Dirt Detective Position x1y3 (Latest)</li> </ul>

CODE	TESTER DISPLAY	MEASUREMENT ITEM	NOTES	VEHICLE CONTROL HISTORY DATA
				<ul style="list-style-type: none"> <li>• Dirt Detective Position x2y0 (Latest)</li> <li>• Dirt Detective Position x2y1 (Latest)</li> <li>• Dirt Detective Position x2y2 (Latest)</li> <li>• Dirt Detective Position x2y3 (Latest)</li> <li>• Dirt Detective Position x3y0 (Latest)</li> <li>• Dirt Detective Position x3y1 (Latest)</li> <li>• Dirt Detective Position x3y2 (Latest)</li> <li>• Dirt Detective Position x3y3 (Latest)</li> </ul>

**CLEAR VEHICLE CONTROL HISTORY**

(a) According to the display on the GTS, clear the Vehicle Control History (RoB).

**NOTICE:**

When the vehicle control history is cleared, all the stored history items are cleared.

**Chassis > Circumference Monitoring Camera Control Module > Utility**



**CHECK VEHICLE CONTROL HISTORY (SRS AIRBAG SYSTEM)**

**HINT:**

Some of the control history can be checked from "Vehicle Control History".

Click here [INFO](#)

