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<b>Title:</b> AUDIO / VIDEO: AUDIO AND VISUAL SYSTEM: VEHICLE CONTROL HISTORY (RoB); 2023 - 2024 MY Prius Prius Prime [12/2022 - ]		

## VEHICLE CONTROL HISTORY (RoB)

### NOTICE:

When checking the vehicle control history (RoB), record any stored history first.

### Check Vehicle Control History (RoB) (w/ Navigation Function)

(a) In accordance with the display of the GTS, check the vehicle control history (RoB).

#### Body Electrical > Navigation System > Utility

TESTER DISPLAY
Vehicle Control History (RoB)

### Vehicle Control History (RoB) Items (w/ Navigation Function)

CODE	ITEM	DESCRIPTION	NOTE
X20B0	Circumference Monitoring Camera Control Module Malfunction	Radio and display receiver assembly is storing history from when a panoramic view monitor system malfunction was received	Perform troubleshooting for the panoramic view monitor system. <b>INFO</b> <b>HINT:</b> Stored when a panoramic view monitor system malfunction is received by the radio and display receiver assembly via CAN communication.
X20B1	Rear Camera Malfunction	Radio and display receiver assembly is storing history from when a back guide monitor malfunction was received	Perform troubleshooting for the back guide monitor system. <b>INFO</b> <b>HINT:</b> Stored when a back guide monitor malfunction notification is received by the radio and display receiver assembly via CAN communication.
X3FF0	Over The Air Activation Start	Radio and display receiver assembly is storing history from when CAN microcomputer OTA started	-
X3FF1	Over The Air Activation Stop	Radio and display receiver assembly is storing history from when CAN microcomputer OTA ended	-
X8020	Video/Sound Signal Malfunction	Radio and display receiver assembly is storing history from when an auxiliary	<ul style="list-style-type: none"> <li>• Momentarily idle the vehicle or charge the auxiliary battery.</li> </ul>

CODE	ITEM	DESCRIPTION	NOTE
		battery low voltage (6.75 V or less) was detected	<ul style="list-style-type: none"> <li>When the auxiliary battery voltage returns to normal, drive the vehicle.</li> </ul> <p><b>HINT:</b> When the auxiliary battery voltage becomes low (5.0 to 6.8 V), images are blacked out and audio is muted.</p>
X8021	Touch Switch Stuck	Radio and display receiver assembly is storing history from when a stuck touch switch was detected	<ol style="list-style-type: none"> <li>Check for foreign objects (foreign matter, film, etc.).</li> <li>Replace the radio and display receiver assembly.</li> </ol>
X8022	Initialization History	Radio and display receiver assembly is storing history from when an intended initialization operation was detected	<p><b>HINT:</b> Explain to the customer that the radio and display receiver assembly stores a history of an intended initialization operation using the multi-display.</p>
X8023	Navi Kit Use History	Radio and display receiver assembly is storing history from when the vehicle speed signal was off, the parking brake signal was on and DTC B228231 was detected	<ol style="list-style-type: none"> <li>Check for and remove non-genuine parts if any are installed.</li> <li>Turn the ignition switch to ON from off, and check again.</li> </ol> <p><b>HINT:</b> For the detection conditions of DTC B228231, refer to <a href="#">INFO</a></p>
X8024	Position Corrected History	Radio and display receiver assembly is storing history from when the location calibration was 50 m or more	Refer to problem symptoms table (Vehicle position mark deviates from correct position and does not return to correct position) <a href="#">INFO</a>
X8030	Soft Update (USB Reading Error)	Radio and display receiver assembly is storing history from when a USB memory error was detected	<p><b>HINT:</b> Explain to the customer that any of the following could be the cause:</p> <ul style="list-style-type: none"> <li>There is no update program</li> <li>Memory cannot be read</li> </ul>
X8031	Soft Update (Encryption Release Error)	Radio and display receiver assembly is storing history from when a program update error was detected	<p><b>HINT:</b> Explain to the customer that any of the following could be the cause:</p> <ul style="list-style-type: none"> <li>Update program corruption (decryption error)</li> <li>Update program corruption (necessary files missing)</li> </ul>

CODE	ITEM	DESCRIPTION	NOTE
X8032	Soft Update (Program of Different Model)	History of detection of update program error stored by the radio and display receiver assembly	<b>HINT:</b> Explain to the customer that the update program was judged to be for a different device.
X8033	USB Memory Malfunction (The File System Error)	Radio and display receiver assembly is storing history from when a non-compatible file or malfunctioning USB storage device was connected to the stereo jack adapter assembly	Connect a USB storage device with valid files. <b>HINT:</b> Explain to the customer that any of the following could be the cause: <ul style="list-style-type: none"> <li>• There was a non-compatible system file</li> <li>• USB storage device has invalid FAT system</li> </ul>
X8034	USB Memory Malfunction (With No Playable File)	Radio and display receiver assembly is storing history from when no playable files on a USB storage device connected to the stereo jack adapter assembly was detected	Connect a USB storage device that has playable files. <b>HINT:</b> Explain to the customer that there were no playable files on the USB storage device.
X8038	iPod Malfunction	Radio and display receiver assembly is storing history from when a malfunctioning iPod was connected to the stereo jack adapter assembly	<ol style="list-style-type: none"> <li>1. Turn the ignition switch from off to ACC.</li> <li>2. Check that the cable connecting the iPod is not malfunctioning.</li> <li>3. Check the software version of the iPod iOS and check that it is a compatible device.</li> </ol>
X8039	iPod Malfunction (With Control Software)	Radio and display receiver assembly is storing history from when there was a malfunction of the control software of an iPod connected to the stereo jack adapter assembly	<b>HINT:</b> <ul style="list-style-type: none"> <li>• Explain to the customer that the iPod itself may be malfunctioning.</li> <li>• When the ignition switch is ACC and the iPod is connected to the stereo jack adapter assembly, a record of the malfunction is stored.</li> </ul>
X803A	iPod Malfunction (With Communication Error)	Radio and display receiver assembly is storing history from when a communication error with an iPod connected to the stereo jack adapter assembly was detected	<ul style="list-style-type: none"> <li>• If another iPod is to be connected, it is necessary to turn the ignition switch off in order for the device to be detected.</li> </ul>
X803B	iPod Malfunction (With No Playable File)	Radio and display receiver assembly is storing history from when no playable files on an iPod connected to the stereo jack adapter assembly was detected	Connect an iPod that has playable files. <b>HINT:</b> <ul style="list-style-type: none"> <li>• When the ignition switch is turned to ACC and the iPod is connected to the stereo jack adapter assembly, a record of the malfunction is stored.</li> <li>• If another iPod is to be connected, it is necessary to turn the ignition switch off in order for the device to be detected.</li> </ul>

CODE	ITEM	DESCRIPTION	NOTE
X803C	SD Card Communication Malfunction	Radio and display receiver assembly is storing history from when an SD card malfunction was detected	<p>If the malfunction continues to recur, replace the radio and display receiver assembly.</p> <p><b>INFO</b></p> <p><b>HINT:</b> Explain to the customer that an internal SD malfunction has been detected by the radio and display receiver assembly.</p>
X803E	USB Over Current (Type C)	Stores a history that an overcurrent was detected and the power supply to the USB was stopped	<ul style="list-style-type: none"> <li>• Check with another cable.</li> <li>• Check with another device.</li> <li>• Check USB communication signal line wire harness and connector [between radio and display receiver assembly and No. 1 stereo jack adapter assembly].</li> </ul> <p><b>HINT:</b> Explain to the customer that the power supply to the USB may have stopped due to the following causes.</p> <ul style="list-style-type: none"> <li>• Defective connected cable</li> <li>• Defective connected device</li> <li>• Vehicle side connection terminal that is dirty or has water damage</li> <li>• Cable ends are dirty, have water damage or are making contact with other power sources</li> </ul>
X8080	AMP Malfunction (Temperature High)	Stereo component amplifier assembly is storing history from when it was detected that the stereo component amplifier assembly temperature was above a certain value (approximately 150°C)	<ul style="list-style-type: none"> <li>• Do not leave the vehicle in high temperatures for a sustained period of time.</li> <li>• Use the air conditioning system, etc., to decrease the temperature inside the vehicle.</li> </ul> <p><b>HINT:</b> The stereo component amplifier assembly will return to normal when the temperature drops below a certain value (approximately 150°C or less).</p>
X8081	AMP Malfunction (High Output Sound Source)	Stereo component amplifier assembly is storing history from when high output sound source similar to direct current was continuously detected (low frequency or square wave continued)	<p><b>HINT:</b> Explain to the customer that a high output sound source similar to direct current (low frequency or square wave continued to be output) was detected.</p>
X8082	AMP Malfunction (Short Circuit)	Stereo component amplifier assembly is storing history from when a direct	<p><b>HINT:</b> Refer to DTC B15C371.</p>

CODE	ITEM	DESCRIPTION	NOTE
		current load on a speaker output circuit was detected	<b>INFO</b>
X8087	AMP Malfunction (ANC Communication Error)	Stereo component amplifier assembly is storing history from when an ANC ECU (stereo component equalizer assembly) communication malfunction was detected	<ol style="list-style-type: none"> <li>1. Inspect the wire harness and connectors (stereo component equalizer assembly (ACK1) terminal - stereo component amplifier assembly (ACK1) terminal).</li> <li>2. Inspect the wire harness and connectors (stereo component equalizer assembly (ACK2) terminal - stereo component amplifier assembly (ACK2) terminal).</li> </ol>

**Body Electrical > Navigation System > Trouble Codes**

**NOTICE:**

By performing this procedure, all stored vehicle control history (RoB) will be cleared.

**Clear Vehicle Control History (RoB)**

(a) Using the GTS, select the vehicle control history (RoB).

**Body Electrical > Navigation System > Utility**



(b) Select the clear button and the clear vehicle control history (RoB) in accordance with the screen.

