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Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [12/2022 -]
Title: AUDIO / VIDEO: AUDIO AND VISUAL SYSTEM: UTILITY; 2023 - 2024 MY Prius Prius Prime [12/2022 -]		

UTILITY

SPEAKER LINE ELECTRICITY CHECK (w/ "JBL" Sound System)

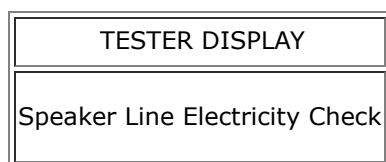
HINT:

This function checks for an open in each speaker circuit.

(a) Speaker line electricity check

(1) In accordance with the display of the GTS, perform a speaker line electricity check.

Body Electrical > Navigation System > Utility



(2) If a speaker circuit malfunction is detected, perform troubleshooting for the output DTC.

Click here [INFO](#)

SERVICE FLAG INFORMATION READING

HINT:

This function checks the service use conditions of the vehicle.

(a) Check the service flag information.

(1) In accordance with the display of the GTS, display the service flag information screen.

Body Electrical > Navigation System > Utility



(2) Check the service flag information.

CONNECTION HISTORY INITIALIZATION

HINT:

This function initializes the connected device history.

(a) Connection history initialization

(1) In accordance with the display of the GTS, display the Initialize Connection History screen.

Body Electrical > Navigation System > Utility



- (2) Perform connection history initialization.

MAP INFORMATION

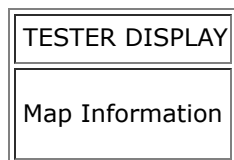
HINT:

This function is used to check the map version of the navigation system and the end date of the map update service.

- (a) Check map information.

- (1) In accordance with the display of the GTS, display the "Map Information" screen.

Body Electrical > Navigation System > Utility



- (2) Check the map version and the end date of the map update service.

NAVI SCREEN UNLOCK

HINT:

- This function can be used to release the security lock if the security lock password is forgotten.
- When releasing the security lock on the multi-display, you will be unable to enter a password if an incorrect password is entered a total of 20 times. The security lock will then need to be released using the GTS. (This can also be released by initializing the on-board device)

- (a) Release the security lock using the GTS (Navi Screen Unlock)

- (1) According to the display on the GTS, display the navi screen unlock screen.

Body Electrical > Navigation System > Utility



- (2) According to the display on the GTS, release the security lock.

HINT:

- If authentication fails 100 times when using the GTS to release the security lock, the on-board device will be initialized.
- If the security lock is released using the GTS, the security lock setting of the on-board device will switch to "OFF" and the user set password will be cleared.

VIDEO DEVICE CONNECTION CHECK

HINT:

This function is used to detect disconnection of the video devices.

- (a) Check Video Device Connection Check.

- (1) In accordance with the display of the GTS, display the "Video Device Connection Check" screen.

Body Electrical > Navigation System > Utility



(2) In accordance with the display of the GTS, perform the video device connection check.

Video Device Connection Check Screen Description

ERROR DETECTED IMAGE LINE (TYPE)	AREAS TO BE CHECKED
H/U - > Separate Display (GVIF)	Not available
H/U - > Full RSE (GVIF)	Not available
RSE - > Seatback Display RH (GVIF)	Not available
RSE - > Seatback Display LH (GVIF)	Not available

HINT:

- DTCs are stored when errors are detected.
- Depending on the vehicle, some of the items will not be displayed on the "Error Detected Image Line (Type)" screen.

(b) Clear video device connection check.

(1) When DTCs are cleared using any of the following operations, Video Device Connection Check will be cleared as well.

Click here [INFO](#)

- Cleared using the GTS.
- Cleared using the system check mode screen.
- Cleared using the unit check mode screen.

HINT:

- Whether the DTC judgement has completed can be checked using the GTS.
- This function can be used to confirm whether the DTC judgement has completed after a reproduction test for a DTC or after completing repairs.

ALL READINESS

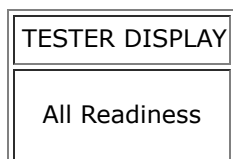
(a) Using the GTS, clear the DTCs.

Even if no DTCs are stored, perform the Clear DTCs procedure as there may be pending DTCs.

Body Electrical > Navigation System > Clear DTCs

- (b) Turn the ignition switch off and wait for 120 seconds.
- (c) Turn the ignition switch to ON and wait for 180 seconds.
- (d) Perform the DTC judgement driving pattern to run the DTC judgement.
- (e) Using the GTS, perform All Readiness.

Body Electrical > Navigation System > Utility



(f) Proceed to the next screen and enter the DTC to be checked.

(g) Check the DTC judgment result.

RESULT	CONTENT
NORMAL	<ul style="list-style-type: none"> DTC judgment completed System normal
ABNORMAL	<ul style="list-style-type: none"> DTC judgment completed System malfunction
INCOMPLETE	<ul style="list-style-type: none"> DTC judgment not completed After confirming the detection conditions, perform a road test
N/A	<ul style="list-style-type: none"> Unable to perform DTC judgment Number of DTCs that can be stored by the ECU for which the prerequisite conditions have not been met has been reached

If the judgment result shows INCOMPLETE or N/A, perform the DTC judgement driving pattern and then recheck the judgment result.

(h) Turn the ignition switch off.

CHECK "Wi-Fi" CONNECTION HISTORY

HINT:

This function is used to check the connection history when the connection between the radio and display receiver assembly and a "Wi-Fi" device is unstable.

(a) Check "Wi-Fi" Connection History.

(1) Perform "Wi-Fi" Communication Trace output, and save the "Wi-Fi" Connection History data to a USB memory device.

Click here [INFO](#)

(2) Connect the USB memory device with the saved "Wi-Fi" Connection History data to the GTS.

(3) Turn the GTS on.

(4) In accordance with screen on the GTS, select "Advanced Function" then "Wi-Fi" Connection History".

(5) According to the GTS screen, select the saved "Wi-Fi" Connection History file.

(6) When a value for an item is displayed in "Wi-Fi" Connection History, record it before proceeding with troubleshooting.

HINT:

When there is a "Wi-Fi" connection malfunction, refer to [INFO](#)

"Wi-Fi" Connection History Screen Description

ITEM	CONTENT	NOTE
Occurrence Date/Time	Year is displayed in 4 digits and month, date, hour, minute and second are displayed in 2 digits	-
Wi-Fi Setting State	OFF (Not Use Wi-Fi)	"Wi-Fi" function is off
	ON (Use Wi-Fi)	"Wi-Fi" function is on
	Initial Activation	When the radio and display receiver starts up

ITEM	CONTENT	NOTE
Contents	Connection	Result of Wi-Fi connection process
	Auto Connection	Result of automatic Wi-Fi connection process (STA mode)
	Disconnection	Result of Wi-Fi disconnection process
	Mode Generation	Result of mode generation (ON) for STA, AP, and P2P
	Mode Destruction	Result of mode discard (OFF) for STA, AP, and P2P
	Initial Activation	When the radio and display receiver starts up
Result	Connection Success	"Wi-Fi" successfully connected
	Connection Failure (Time Out)	"Wi-Fi" could not be successfully connected
	Connection Failure (Authentication Failure)	"Wi-Fi" could not be successfully connected due to a verification error
	Connection Failure (Other Error)	"Wi-Fi" could not be successfully connected due to other error
	Disconnection Success	"Wi-Fi" successfully disconnected
	Disconnection Failure	"Wi-Fi" disconnection failed
Action Mode	STA	STA (station) operating
	AP	AP (access point) operating
	P2P	(P2P) operating
	Tip ID	Information indicating the chip during operation
WLAN Standard	802.11 B	Connected by 802.11b standard
	802.11 G	Connected by 802.11g standard
	802.11 N	Connected by 802.11n standard
	802.11 A	Connected by 802.11a standard
	802.11 AC	Connected by 802.11ac standard
	Undetectable	Connected standard cannot be determined
Channel Number	Displayed in decimal format with "Ch"	Number of the connected channels being used
Data Rate	Slow Speed	1.0 Mbps - 24.0 Mbps
	Medium Speed	26.0 Mbps - 48.0 Mbps
	High Speed	52.0 Mbps - 65.0 Mbps
Received Signal Strength	-127dBm to +127dBm	Displays reception signal strength (weak, strong, etc. level value)

ITEM	CONTENT	NOTE
Packet Error Rate	Displayed in decimal format with "%"	Displays the ratio of packets not able to be received due to error
Destination MAC Address	Displayed in lower case hexadecimal format with "-" inserted every two characters	Name of connected MAC address
Destination SSID	Data is displayed as ASCII code	Name of connected SSID

HINT:

If there is nothing to display in the "Content" column, "-" or "No Information" is displayed.

CHECK "Bluetooth" CONNECTION HISTORY**HINT:**

- "Bluetooth" Connection History displays data stored in the internal memory of the ECU, such as the date a "Bluetooth" connection was attempted and the state of a "Bluetooth" connection. By checking "Bluetooth" Connection History, the date, cause, etc. of a "Bluetooth" device failing to register or connect can be analyzed.
- "Bluetooth" Connection History indicates the estimated cause of a malfunction, but does not determine it. Therefore, checking "Bluetooth" Connection History may not improve the problem.

(a) Check "Bluetooth" Connection History.

HINT:

Performing an inspection using the GTS before recording the "Bluetooth" Connection History may clear the history.

(1) Perform "BT Communication Trace output", and save the "Wi-Fi" Connection History data to a USB memory device.

Click here [INFO](#)

(2) Connect the USB memory device with the saved "Bluetooth" Connection History data to the GTS.

(3) Turn the GTS on.

(4) In accordance with the screen on the GTS, select "Advanced Function" then "BT Connection History".

(5) According to the GTS screen, select the saved "Bluetooth" Connection History file to display the "Bluetooth" Connection History.

(6) When an item is stored for "Bluetooth" Connection History, record it before proceeding with troubleshooting.

HINT:

For troubleshooting "Bluetooth" connection malfunctions, refer to [INFO](#)

"Bluetooth" Connection History Screen Description

ITEM	CONTENT	NOTE
Occurrence Date/Time	YYYY/MM/DD HH:MM:SS	Date and time of "Bluetooth" connection history recorded.
History Type	BT OFF	Type of "Bluetooth" Connection History is displayed.
	Mobile Microwave Strength	
	BT Microwave Strength	
	Registration	
	Connection	

ITEM	CONTENT	NOTE
	Disconnection	
	Profile individual processing	
	BT ON	
	Device info	
	GNSS Reception	
	Record stop	
	Record start	
Profile	HFP	Profile of "Bluetooth" Connection History is displayed.
	PBAP	
	SPP	
	A2DP	
	AVRCP	
	MAP	
Details of Profile	Depending on connection history type and profile, details are displayed	Refer to Details of Profile Display Contents table below
Result	Success	Result is displayed.
	Failure	
Contents	No Error	Contents of the Result is displayed.
	Link Loss	
	Disconnection from Partner	
	Disconnection from Self	
	Time Out	
	Out of Service	
	Authentication Error	
	Page Time Out	
	Redial Regulation	
	Other Error	
Bluetooth Address	Displays a hexadecimal number with upper-case characters	Address of the "Bluetooth" device is displayed.

Details of Profile Display Contents

ITEM	CONTENT	NOTE
History Type value is "Mobile Microwave Strength"	Strength 0	Cellular phone radio wave strength level is displayed
	Strength 1	
	Strength 2	
	Strength 3	

ITEM	CONTENT	NOTE
	Strength 4	
	Strength 5	
History Type value is "BT Microwave Strength"	Deteriorate	"Bluetooth" radio wave reception level is displayed
	Good	
Profile value is "HFP"	Outbound Processing (Send from Self)	Details regarding HFP are displayed
	Outbound Processing (Send from Partner)	
	Incoming Call Cancel (Cancel from Partner)	
	Incoming Call (Receive by Self)	
	Incoming Call (Receive by Partner)	
	Incoming Call (Block Incoming Call from Self)	
	Incoming Call (Block Incoming Call from Partner)	
	Incoming Call (Keep Response On Hold from Self)	
	Incoming Call (Block Incoming Call from Partner)	
	Call (Call from Self)	
	Call (Call from Partner)	
	Switching of The Call (Operate Self)	
	Switching of The Call (Operate Partner)	
	Switching of The Call (Partner Factor)	
	End of Call (End of Call from Self)	
End of Call (End of Call from Intended Party)		
Profile value is "PBAP"	Phone Book Transfer	Details regarding PBAP are displayed
	Phone Book Stop Transfer	
Profile value is "A2DP"	Streaming Play	Details regarding A2DP are displayed
	Streaming Stop	
Profile value is "AVRCP"	Play	Details regarding AVRCP are displayed
	Stop	
	Pause	
	Track Up	
	Track Down	

ITEM	CONTENT	NOTE							
	<table border="1"> <tr><td data-bbox="553 128 1013 174">Fast forward</td></tr> <tr><td data-bbox="553 174 1013 220">Rewind</td></tr> <tr><td data-bbox="553 220 1013 266">Repeat ON</td></tr> <tr><td data-bbox="553 266 1013 312">Repeat OFF</td></tr> <tr><td data-bbox="553 312 1013 359">Random ON</td></tr> <tr><td data-bbox="553 359 1013 405">Random OFF</td></tr> <tr><td data-bbox="553 405 1013 451">Acquisition of Music Information</td></tr> </table>	Fast forward	Rewind	Repeat ON	Repeat OFF	Random ON	Random OFF	Acquisition of Music Information	
Fast forward									
Rewind									
Repeat ON									
Repeat OFF									
Random ON									
Random OFF									
Acquisition of Music Information									
Profile value is "MAP"	<table border="1"> <tr><td data-bbox="553 506 1013 552">Message List Acquisition</td></tr> <tr><td data-bbox="553 552 1013 598">Message Acquisition</td></tr> <tr><td data-bbox="553 598 1013 644">Setting of Notification Registration</td></tr> <tr><td data-bbox="553 644 1013 690">Message Transmission</td></tr> </table>	Message List Acquisition	Message Acquisition	Setting of Notification Registration	Message Transmission	Details regarding MAP are displayed			
Message List Acquisition									
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Setting of Notification Registration									
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HINT:

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