

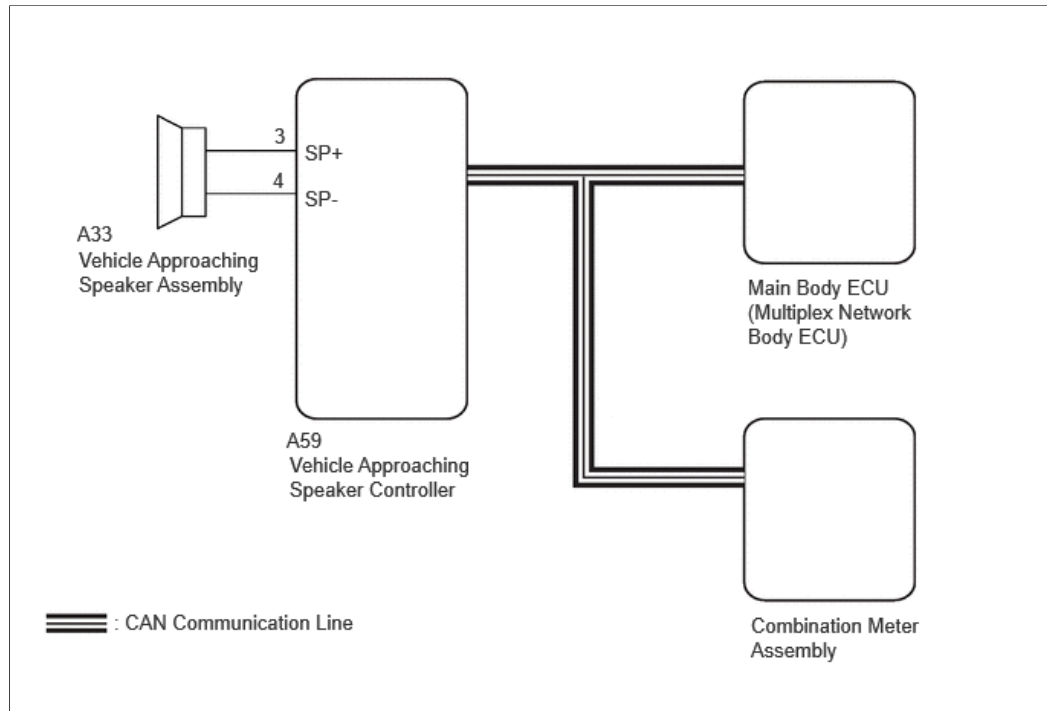
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Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [12/2022 -]
Title: DOOR LOCK: WIRELESS DOOR LOCK CONTROL SYSTEM: No Answer-Back; 2023 - 2024 MY Prius Prius Prime [12/2022 -]		

No Answer-Back

DESCRIPTION

In some cases, wireless door lock control functions are normal but the hazard warning light and wireless door lock buzzer answer-back function do not operate. In such cases, hazard warning light and wireless door lock buzzer signal outputs from the main body ECU (multiplex network body ECU) may be malfunctioning.

WIRING DIAGRAM



CAUTION / NOTICE / HINT

NOTICE:

- The wireless door lock control system uses the CAN communication system. Inspect the communication function by following How to Proceed with Troubleshooting. Troubleshoot the wireless door lock control system after confirming that the communication system is functioning properly.
 - Click here [INFO](#)
- Before replacing the main body ECU (multiplex network body ECU), refer to Registration.
 - Click here [INFO](#)
- Before performing the inspection, check that DTC B124296 is not output.

PROCEDURE

1.	CHECK CUSTOMIZE SETTING USING GTS
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(a) Select the setting by referring to the table below.

Wireless Door Lock

TESTER DISPLAY	DESCRIPTION	DEFAULT	SETTING	ECU
Wireless Buzzer	Function that enables/disables the wireless	Enable	\$00:Disable,\$01:Enable	Main body ECU (Multiplex

TESTER DISPLAY	DESCRIPTION	DEFAULT	SETTING	ECU
Response Function	door lock buzzer response			network body ECU)
Hazard Answer Back Function	Function that flashes the hazard warning lights once when the doors are locked by wireless operation and twice when the doors are unlocked by wireless operation	Enable	\$00:Disable,\$01:Enable	Main body ECU (Multiplex network body ECU)
Wireless Buzzer Volume Setting	Function that adjusts the wireless door lock buzzer volume	Level5	\$00:Level7(MAX),\$01:Level6,\$02:Level5,\$03:Level4,\$04:Level3,\$05:Level2,\$06:Level1,\$07:Level0(MIN)	Main body ECU (Multiplex network body ECU)

RESULT	PROCEED TO
All settings are Enable and other than Level0	A
A setting is Disable or Level0	B

B ► **PERFORM CUSTOMIZE FUNCTION**

A
▼

2.	CHECK WIRELESS DOOR LOCK CONTROL FUNCTIONS
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(a) Check the wireless door lock control function using the electrical key transmitter sub-assembly.

Click here [INFO](#)

RESULT	PROCEED TO
Wireless door lock/unlock operates properly	A
Wireless door lock/unlock does not operate properly	B

B ► **GO TO PROBLEM SYMPTOMS TABLE**

A
▼

3.	READ VALUE USING GTS
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(a) Read the Data List according to the display on the GTS.

Body Electrical > Main Body > Data List

TESTER DISPLAY	MEASUREMENT ITEM	RANGE	NORMAL CONDITION	DIAGNOSTIC NOTE
FR Door Lock Position Switch Status	Front door RH lock status	Lock or Unlock	Lock: Front door RH locked Unlock: Front door RH Unlocked	-
FL Door Lock Position Switch Status	Front door LH lock status	Lock or Unlock	Lock: Front door LH locked Unlock: Front door LH Unlocked	-
RR Door Lock Position Switch Status	Rear door RH lock status	Lock or Unlock	Lock: Rear door RH locked Unlock: Rear door RH Unlocked	-
RL Door Lock Position Switch Status	Rear door LH lock status	Lock or Unlock	Lock: Rear door LH locked Unlock: Rear door LH Unlocked	-

Body Electrical > Main Body > Data List

TESTER DISPLAY
FR Door Lock Position Switch Status
FL Door Lock Position Switch Status
RR Door Lock Position Switch Status
RL Door Lock Position Switch Status

OK:

The GTS display changes correctly in response to the lock/unlock operation.


NG  **GO TO POWER DOOR LOCK CONTROL SYSTEM** 

OK



4.	CHECK WIRELESS ANSWER-BACK OPERATION
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(a) Check the wireless answer-back operation using the electrical key transmitter sub-assembly.

Click here 

RESULT	PROCEED TO
Only hazard warning light answer-back does not occur.	A
Only wireless door lock buzzer answer-back does not occur.	B

B  **GO TO STEP 6**

A



5. CHECK HAZARD WARNING LIGHTS OPERATION

(a) Check that the hazard warning lights blink when the hazard warning signal switch is pressed.

OK:

Hazard warning lights blink.

OK ▶ **REPLACE MAIN BODY ECU (MULTIPLEX NETWORK BODY ECU)** **INFO**

NG ▶ **GO TO LIGHTING SYSTEM (Proceed to Hazard Warning Switch Circuit)**

6. CHECK ACOUSTIC VEHICLE ALERTING SYSTEM

(a) Check the acoustic vehicle alerting system.

Click here **INFO**

OK:

The acoustic vehicle alerting system operates normally.

OK ▶ **REPLACE MAIN BODY ECU (MULTIPLEX NETWORK BODY ECU)** **INFO**

NG ▶ **GO TO ACOUSTIC VEHICLE ALERTING SYSTEM** **INFO**

