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Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [12/2022 -]
Title: WINDOW / GLASS: POWER WINDOW CONTROL SYSTEM: Rear Power Window RH does not Operate with Rear Power Window Switch RH; 2023 - 2024 MY Prius Prius Prime [12/2022 -]		

Rear Power Window RH does not Operate with Rear Power Window Switch RH

DESCRIPTION

When the ignition switch is ON, the power window regulator motor assembly RH (for rear RH door) is operated by the rear power window regulator switch assembly (for RH door). The power window regulator motor assembly RH (for rear RH door) has motor, regulator, and ECU functions.

WIRING DIAGRAM

Click here [INFO](#)

CAUTION / NOTICE / HINT

NOTICE:

- Inspect the fuses for circuits related to this system before performing the following procedure.
- If the power window regulator motor assembly RH (for rear RH door) has been replaced with a new one, initialize the power window control system.

Click here [INFO](#)

- The power window control system uses the LIN communication system. Inspect the communication function by following How to Proceed with Troubleshooting. Troubleshoot the power window control system after confirming that the communication system is functioning properly.

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- Check that the window lock switch is off before performing the following procedure.
- Before replacing the main body ECU (multiplex network body ECU), refer to Registration.

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PROCEDURE

1.	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
Communication RR-Door Motor	Connection status between power window regulator motor assembly RH (for rear RH door) and main body ECU (multiplex network body ECU)	STOP or OK	STOP: Communication stopped OK: Normal communication	-


Body Electrical > Main Body > Data List

TESTER DISPLAY
Communication RR-Door Motor

OK:

OK is displayed for each Data List item above.

NG  **GO TO LIN COMMUNICATION SYSTEM**

Click here 

OK


2.	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
RR Door Power Window UP Switch	Rear RH door power window manual up switch	OFF or ON	OFF: Manual up switch not being operated ON: Manual up switch being operated	-
RR Door Power Window DOWN Switch	Rear RH door power window manual down switch	OFF or ON	OFF: Manual down switch not being operated ON: Manual down switch being operated	-

Body Electrical > Main Body > Data List

TESTER DISPLAY
RR Door Power Window UP Switch
RR Door Power Window DOWN Switch

OK:

On the GTS screen, ON or OFF is displayed accordingly.

NG  **GO TO STEP 4**

OK



3.	PERFORM ACTIVE TEST USING GTS
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(a) Perform the Active Test according to the display on the GTS.

Body Electrical > Main Body > Active Test

TESTER DISPLAY	MEASUREMENT ITEM	CONTROL RANGE	DIAGNOSTIC NOTE
RR Door Power Window UP	Rear RH door power window up activate	OFF/ON	-
RR Door Power Window DOWN	Rear RH door power window down activate	OFF/ON	-

Body Electrical > Main Body > Active Test

TESTER DISPLAY
RR Door Power Window UP

Body Electrical > Main Body > Active Test

TESTER DISPLAY
RR Door Power Window DOWN

HINT:

Up and down movement does not occur if the arrow is not pressed and held.

OK:

Rear RH Door power window operates normally.

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

Click here 

NG  **REPLACE POWER WINDOW REGULATOR MOTOR ASSEMBLY RH (for Rear RH Door)**

Click here 

4. INSPECT REAR POWER WINDOW REGULATOR SWITCH ASSEMBLY (for RH Door)Click here **NG**  **REPLACE REAR POWER WINDOW REGULATOR SWITCH ASSEMBLY (for RH Door)****OK****5. CHECK HARNESS AND CONNECTOR (REAR POWER WINDOW REGULATOR SWITCH (for RH Door) - POWER WINDOW REGULATOR MOTOR (for Rear RH Door))**

(a) Disconnect the L2 power window regulator motor assembly RH (for rear RH door) connector.

(b) Measure the resistance according to the value(s) in the table below.

Standard Resistance:

[Click Location & Routing\(L3,L2\)](#)[Click Connector\(L3\)](#)[Click Connector\(L2\)](#)

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION
L3-5 (UP) - L2-10 (UP)	Always	Below 1 Ω
L3-4 (DOWN) - L2-7 (DOWN)	Always	Below 1 Ω
L3-5 (UP) or L2-10 (UP) - Body ground	Always	10 k Ω or higher
L3-4 (DOWN) or L2-7 (DOWN) - Body ground	Always	10 k Ω or higher

NG  **REPAIR OR REPLACE HARNESS OR CONNECTOR****OK****6. INSPECT POWER WINDOW REGULATOR MOTOR ASSEMBLY RH (for Rear RH door)**Click here **OK**  **REPLACE MAIN BODY ECU (MULTIPLEX NETWORK BODY ECU)**

Click here [INFO](#)

NG  **REPLACE POWER WINDOW REGULATOR MOTOR ASSEMBLY RH (for Rear RH Door)**

Click here [INFO](#)

