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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 Auto Up / Down Function does not Operate with Rear Power Window Switch RH; 2023 - 2024 MY Prius Prius Prime [12/2022 -]		

Rear Power Window RH Auto Up / Down Function does not Operate with Rear Power Window Switch RH

DESCRIPTION

If the manual up and down functions operate normally but the auto up and down functions do not, the power window control system may be in fail-safe mode.

If power window initialization has not been performed, the auto up and down functions will not operate.

WIRING DIAGRAM

Click here [INFO](#)

CAUTION / NOTICE / HINT

NOTICE:

- 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](#)

- Check that power window system customize settings "RR Window Auto Up Function" and "RR Window Auto Down Function" are set to "ON" before performing the following procedure.

Click here [INFO](#)

- After the catch protection function has operated, the auto up function will not operate the first time the power window auto up switch is operated. The auto up function will operate normally after the first power window switch operation.
- Before replacing the main body ECU (multiplex network body ECU), refer to Registration.

Click here [INFO](#)

HINT:

If the pulse sensor built into the power window regulator motor assembly RH (for rear RH door) is malfunctioning, the power window control system will enter fail-safe mode. The remote up and down and auto up and down functions cannot be operated during fail-safe mode. However, the power window can be closed by holding the rear power window regulator switch assembly (for RH door) at the auto up position, and opened manually by pushing down the rear power window regulator switch assembly (for RH door).

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
RR Door Power Window AUTO Switch	Rear RH door power window auto 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 AUTO Switch

OK:

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

NG  **GO TO STEP 4**

OK



2.	PERFORM INITIALIZATION
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(a) Initialize the power window regulator motor assembly RH (for rear RH door).

Click here 

NEXT



3.	CHECK POWER WINDOW CONTROL SYSTEM (AUTO UP / DOWN FUNCTION)
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(a) Check that the rear RH door power window moves when the auto up and down functions of the rear power window regulator switch assembly (for RH door) are operated.

Click here 

OK:

Rear RH door auto up and down functions are normal.


OK  **END (PROBLEM DUE TO INITIALIZATION FAILURE)**

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

Click here [INFO](#)

4. INSPECT REAR POWER WINDOW REGULATOR SWITCH ASSEMBLY (for RH Door)

Click here [INFO](#)

NG  **REPLACE REAR POWER WINDOW REGULATOR SWITCH ASSEMBLY (for RH Door)**

OK


5. CHECK HARNESS AND CONNECTOR (REAR POWER WINDOW REGULATOR SWITCH ASSEMBLY (for RH Door) - POWER WINDOW REGULATOR MOTOR ASSEMBLY RH (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
L3-8 (AUTO) - L2-4 (AUTO)	Always	Below 1 Ω
L3-8 (AUTO) or L2-4 (AUTO) - Body ground	Always	10 kΩ or higher

NG  **REPAIR OR REPLACE HARNESS OR CONNECTOR**

OK


6. CHECK POWER WINDOW REGULATOR MOTOR ASSEMBLY RH (for Rear RH Door)

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

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

Standard Voltage:

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

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION
L3-8 (AUTO) - Body ground	Ignition switch ON	11 to 14 V

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](#)

