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Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [12/2022 -]
Title: WINDOW / GLASS: POWER WINDOW CONTROL SYSTEM: Front Passenger Side Power Window Auto Up / Down Function does not Operate with Front Passenger Side Power Window Switch; 2023 - 2024 MY Prius Prius Prime [12/2022 -]		

Front Passenger Side Power Window Auto Up / Down Function does not Operate with Front Passenger Side Power Window Switch

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 front passenger door) has been replaced with a new one, initialize the power window control system.

Click here [INFO](#)

- Check that power window system customize settings "P Window Auto Up Function" and "P Window Auto Down Function" are set to "Enable" 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 front passenger 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 power window regulator switch assembly at the auto up position, and opened manually by pushing down the power window regulator switch assembly.

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
P Door Power Window AUTO Switch	Front passenger door power window auto switch	OFF or ON	OFF: Auto up or auto down switch not being operated ON: Auto up or auto down switch being operated	-

Body Electrical > Main Body > Data List

TESTER DISPLAY
P 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 front passenger door).

Click here 

NEXT



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

Click here 

OK:
Front passenger door auto up and down functions are normal.

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

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

4. INSPECT POWER WINDOW REGULATOR SWITCH ASSEMBLY

Click here [INFO](#)

NG  **REPLACE POWER WINDOW REGULATOR SWITCH ASSEMBLY**

OK



5. CHECK HARNESS AND CONNECTOR (POWER WINDOW REGULATOR SWITCH ASSEMBLY - POWER WINDOW REGULATOR MOTOR ASSEMBLY RH (for Front Passenger Door))

- (a) Disconnect the N4 power window regulator motor assembly RH (for front passenger door) connector.
 (b) Measure the resistance according to the value(s) in the table below.

Standard Resistance:



[Click Location & Routing\(N11,N4\)](#)

[Click Connector\(N11\)](#)

[Click Connector\(N4\)](#)

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION
N11-8 (AUTO) - N4-4 (AUTO)	Always	Below 1 Ω
N11-8 (AUTO) or N4-4 (AUTO) - Body ground	Always	10 k Ω or higher

NG  **REPAIR OR REPLACE HARNESS OR CONNECTOR**

OK



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

- (a) Connect the N4 power window regulator motor assembly RH (for front passenger door) connector.
 (b) Measure the voltage according to the value(s) in the table below.

Standard Voltage:



[Click Location & Routing\(N11\)](#)

[Click Connector\(N11\)](#)

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION
N11-8 (AUTO) - Body ground	Ignition switch ON	11 to 14 V

OK ► REPLACE MAIN BODY ECU (MULTIPLEX NETWORK BODY ECU) [INFO](#)

NG ► REPLACE POWER WINDOW REGULATOR MOTOR ASSEMBLY RH (for Front Passenger Door) [INFO](#)

