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

Driver Side Power Window does not Operate with Power Window Master Switch

DESCRIPTION

When the ignition switch is ON, the power window regulator motor assembly LH (for driver door) is operated by the multiplex network master switch assembly. The power window regulator motor assembly LH (for driver 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 LH (for driver 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.

Click here [INFO](#)

- Before replacing the main body ECU (multiplex network body ECU), refer to Registration.

Click here [INFO](#)

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 D-Door Motor	Connection status between power window regulator motor assembly LH (for driver door) and main body ECU (multiplex network body ECU)	STOP or OK	STOP: Communication stopped OK: Normal communication	-

TESTER DISPLAY	MEASUREMENT ITEM	RANGE	NORMAL CONDITION	DIAGNOSTIC NOTE
Communication Master Switch	Connection status between multiplex network master switch assembly 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 D-Door Motor
Communication Master Switch

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
D Door Power Window UP Switch	Driver door power window manual up switch	OFF or ON	OFF: Manual up switch not being operated ON: Manual up switch being operated	-
D Door Power Window DOWN Switch	Driver 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
D Door Power Window UP Switch
D 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
D Door Power Window UP	Driver door power window up activate	OFF/ON	-
D Door Power Window DOWN	Driver door power window down activate	OFF/ON	-

Body Electrical > Main Body > Active Test

TESTER DISPLAY
D Door Power Window UP

Body Electrical > Main Body > Active Test

TESTER DISPLAY
D Door Power Window DOWN

HINT:

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

OK:

Driver door power window operates normally.

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

Click here [INFO](#)

NG ▶ **REPLACE POWER WINDOW REGULATOR MOTOR ASSEMBLY LH (for Driver Door)**

Click here [INFO](#)

4. CHECK MULTIPLEX NETWORK MASTER SWITCH ASSEMBLY

- (a) Disconnect the O5 power window regulator motor assembly LH (for driver door) connector.
 (b) Measure the voltage according to the value(s) in the table below.

Standard Voltage:



[Click Location & Routing\(O5\)](#)

[Click Connector\(O5\)](#)

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION
O5-10 (UP) - Body ground	Ignition switch ON	11 to 14 V
O5-7 (DOWN) - Body ground	Ignition switch ON	11 to 14 V

NG ▶ **GO TO STEP 6**

OK
▼

5. INSPECT POWER WINDOW REGULATOR MOTOR ASSEMBLY LH (for Driver Door)

Click here [INFO](#)

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

Click here [INFO](#)

NG ▶ **REPLACE POWER WINDOW REGULATOR MOTOR ASSEMBLY LH (for Driver Door)**

Click here [INFO](#)

6. CHECK HARNESS AND CONNECTOR (MULTIPLEX NETWORK MASTER SWITCH ASSEMBLY - POWER WINDOW REGULATOR MOTOR ASSEMBLY LH (for Driver Door))

- (a) Disconnect the O8 multiplex network master switch assembly connector.
- (b) Disconnect the O5 power window regulator motor assembly LH (for driver door) connector.
- (c) Measure the resistance according to the value(s) in the table below.

Standard Resistance:



[Click Location & Routing\(O8,O5\)](#)

[Click Connector\(O8\)](#)

[Click Connector\(O5\)](#)

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION
O8-6 (UP) - O5-10 (UP)	Always	Below 1 Ω
O8-2 (DOWN) - O5-7 (DOWN)	Always	Below 1 Ω
O8-6 (UP) or O5-10 (UP) - Body ground	Always	10 k Ω or higher
O8-2 (DOWN) or O5-7 (DOWN) - Body ground	Always	10 k Ω or higher

OK ► **REPLACE MULTIPLEX NETWORK MASTER SWITCH ASSEMBLY**

NG ► **REPAIR OR REPLACE HARNESS OR CONNECTOR**

