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Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [12/2022 -]
Title: WINDOW / GLASS: POWER WINDOW CONTROL SYSTEM: Key-off Operation Function Operates even if Operating Conditions are not Satisfied; 2023 - 2024 MY Prius Prius Prime [12/2022 -]		

Key-off Operation Function Operates even if Operating Conditions are not Satisfied

DESCRIPTION

When the front doors are closed, each power window regulator motor assembly can be operated for approximately 45 seconds after the ignition switch is turned from ON to off by receiving operation permission signals from the main body ECU (multiplex network body ECU). However, when approximately 45 seconds have elapsed, or the driver door or front passenger door is opened within approximately 45 seconds of the ignition switch being turned off, the power window regulator motor assemblies stop operating.

During auto operation, when 45 seconds have elapsed and key-off operation is prohibited, the power window will continue operating.

CAUTION / NOTICE / HINT

NOTICE:

- If a power window regulator motor assembly has been replaced with a new one, initialize the power window control system.

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- The power window control system uses the LIN communication system and CXPI 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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- Before replacing the main body ECU (multiplex network body ECU), refer to Registration.

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PROCEDURE

1.	CHECK KEY-OFF OPERATION FUNCTION
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(a) Check the key-off operation function.

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RESULT	PROCEED TO
Power window can be operated even after opening driver door or front passenger door within approximately 45 seconds of ignition switch being turned off	A
Power window can be operated even after approximately 45 seconds have elapsed since ignition switch was turned off (for All Doors)	B

RESULT	PROCEED TO
Power window can be operated even after approximately 45 seconds have elapsed since ignition switch was turned off (for Driver Door)	C
Power window can be operated even after approximately 45 seconds have elapsed since ignition switch was turned off (for Front Passenger Door)	D
Power window can be operated even after approximately 45 seconds have elapsed since ignition switch was turned off (for Rear LH Door)	E
Power window can be operated even after approximately 45 seconds have elapsed since ignition switch was turned off (for Rear RH Door)	F

B ▶ REPLACE MAIN BODY ECU (MULTIPLEX NETWORK BODY ECU)

Click here [INFO](#)

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

Click here [INFO](#)

D ▶ REPLACE POWER WINDOW REGULATOR MOTOR ASSEMBLY RH (for Front Passenger Door)

Click here [INFO](#)

E ▶ REPLACE POWER WINDOW REGULATOR MOTOR ASSEMBLY (for Rear LH Door)

Click here [INFO](#)

F ▶ REPLACE POWER WINDOW REGULATOR MOTOR ASSEMBLY (for Rear RH Door)

Click here [INFO](#)

A



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
FR Door Courtesy Switch Status	Front door courtesy light switch assembly (for RH) signal	Close or Open	Close: Front door RH closed Open: Front door RH open	-
FL Door Courtesy Switch Status	Front door courtesy light switch assembly (for LH) signal	Close or Open	Close: Front door LH closed Open: Front door LH open	-

Body Electrical > Main Body > Data List

TESTER DISPLAY
FR Door Courtesy Switch Status
FL Door Courtesy Switch Status

OK:

On the GTS screen, Close or Open is displayed accordingly.

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

Click here [INFO](#)

NG ► **GO TO LIGHTING SYSTEM (Proceed to Front Door Courtesy Switch Circuit)**

