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Model Year: 2010	Model: Prius	Doc ID: RM0000027QU013X
Title: WINDOW / GLASS: POWER WINDOW CONTROL SYSTEM: Auto Up Operation does not Fully Close Power Window (Jam Protection Function is Activated) (2010 Prius)		
Auto Up Operation does not Fully Close Power Window (Jam Protection Function is Activated)		

DESCRIPTION


If a door glass or a power window regulator motor assembly does not operate smoothly, the jam protection function may be triggered automatically, resulting in the auto up function being unable to fully close the window.

HINT:

This symptom may occur for any of the windows.


INSPECTION PROCEDURE

NOTICE:

- The power window control system uses a multiplex communication system (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.
- When the power window regulator motor assembly is reinstalled or replaced, the power window control system must be initialized.
- After a door glass or a door glass run has been replaced, the jam protection function may operate unexpectedly when the auto up function is used. In such cases, the auto up function can be reinitialized by repeating the following operations at least 5 times:
 - a. Close the power window by fully pulling up the multiplex network master switch assembly or power window regulator switch assembly and holding it at the auto up position.
 - b. Open the power window by fully pushing down the multiplex network master switch assembly or power window regulator switch assembly.

PROCEDURE


1. PERFORM INITIALIZATION (APPLICABLE LOCATION)

(a) Initialize the power window regulator motor assembly (applicable location) .

NEXT



2. CHECK POWER WINDOW CONTROL SYSTEM (AUTO UP/DOWN FUNCTION (APPLICABLE LOCATION))

- (a) Check that all the power windows move when the auto up and down function of the multiplex network master switch assembly and power window regulator switch assemblies are operated .

OK:

Auto up and down function is normal (applicable location).

NG  **CHECK WINDOW GLASS SLIDING MOVEMENT (APPLICABLE LOCATION)**

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

3. CHECK WINDOW GLASS SLIDING MOVEMENT (APPLICABLE LOCATION)

- (a) Remove the window regulator.
- (b) Install the window glass onto the door glass run.
- (c) Check if the door window regulator operates smoothly.
- (d) Check that the window glass slides smoothly when sliding it up by hand.

OK:

Door window glass slides smoothly.

Result:

RESULT	PROCEED TO
NG	A
OK (Driver door power window)	B
OK (Front passenger side power window)	C
OK (Rear LH side power window)	D
OK (Rear RH side power window)	E

HINT:

Ensure the following:

- The window glass fits with the glass run without improper contact or deformation.
- Foreign objects are not caught in the glass run.

CAUTION:

Perform initialization again.

- E ▶ REPLACE POWER WINDOW REGULATOR
MOTOR ASSEMBLY (for Rear RH Side)**
- D ▶ REPLACE POWER WINDOW REGULATOR
MOTOR ASSEMBLY (for Rear LH Side)**
- C ▶ REPLACE POWER WINDOW REGULATOR
MOTOR ASSEMBLY (for Front Passenger
Side)**
- B ▶ REPLACE POWER WINDOW REGULATOR
MOTOR ASSEMBLY (for Driver Side)**
- FIT WINDOW GLASS CORRECTLY**
- A ▶ (REMOVE FOREIGN OBJECTS CAUSING
IMPROPER FIT OR REPLACE PARTS)**

