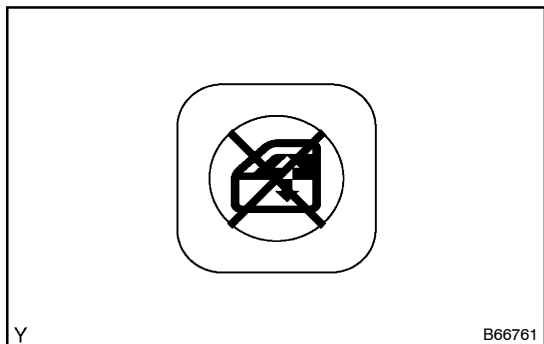


ON-VEHICLE INSPECTION



1. CHECK WINDOW LOCK SWITCH

- (a) Check that the passenger side power window and rear power windows' operation are disabled when the window lock switch of the power window master switch is pressed.
- (b) Check that the passenger side power window and rear power windows can be operated when the window lock switch is pressed again.

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2. CHECK MANUAL UP/DOWN FUNCTION

- (a) Check that the driver side power window operates as follows:

OK:

Condition	Switch	Switch Operation	Power Window
Ignition switch ON	Driver side	Pulled halfway up	UP (Closed)
		Pushed halfway down	DOWN (Open)

- (b) Check that the power windows except the driver side power window operate as follows:

OK:

Condition	Switch	Switch Operation	Power Window
<ul style="list-style-type: none"> Ignition switch ON Window lock switch OFF 	Passenger side	Pulled halfway up	UP (Closed)
		Pushed halfway down	DOWN (Open)
	Rear LH	Pulled halfway up	UP (Closed)
		Pushed halfway down	DOWN (Open)
	Rear RH	Pulled halfway up	UP (Closed)
		Pushed halfway down	DOWN (Open)

3. CHECK AUTO UP/DOWN FUNCTION

- (a) Check that the driver side power window operates as follows:

OK:

Condition	Switch	Switch Operation	Power Window
Ignition switch ON	Driver side	Pulled fully up	AUTO UP (Fully closed)
		Pushed fully down	AUTO DOWN (Fully open)

- (b) Check that the power windows except the driver side power window operate as follows:

OK:

Condition	Switch	Switch Operation	Power Window
<ul style="list-style-type: none"> Ignition switch ON Window lock switch OFF 	Passenger side	Pulled fully up	AUTO UP (Fully closed)
		Pushed fully down	AUTO DOWN (Fully open)
	Rear LH	Pulled fully up	AUTO UP (Fully closed)
		Pushed fully down	AUTO DOWN (Fully open)
	Rear RH	Pulled fully up	AUTO UP (Fully closed)
		Pushed fully down	AUTO DOWN (Fully open)

4. CHECK REMOTE MANUAL UP/DOWN FUNCTION

- (a) Check the power windows except the driver side power window operate as follows:

OK:

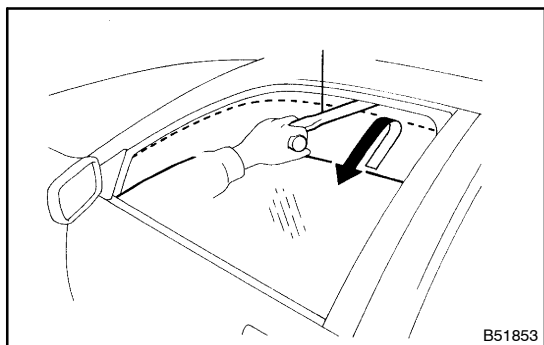
Condition	Switch	Switch Operation	Power Window
<ul style="list-style-type: none"> Ignition switch ON Window lock switch OFF 	Passenger side	Pulled halfway up	UP (Closed)
		Pushed halfway down	DOWN (Open)
	Rear LH	Pulled halfway up	UP (Closed)
		Pushed halfway down	DOWN (Open)
	Rear RH	Pulled halfway up	UP (Closed)
		Pushed halfway down	DOWN (Open)

5. CHECK REMOTE AUTO UP/DOWN FUNCTION

- (a) Check that the power windows except the driver side power window operate as follows:

OK:

Condition	Switch	Switch Operation	Power Window
<ul style="list-style-type: none"> Ignition switch ON Window lock switch OFF 	Passenger side	Pulled fully up	AUTO UP (Fully closed)
		Pushed fully down	AUTO DOWN (Fully open)
	Rear LH	Pulled fully up	AUTO UP (Fully closed)
		Pushed fully down	AUTO DOWN (Fully open)
	Rear RH	Pulled fully up	AUTO UP (Fully closed)
		Pushed fully down	AUTO DOWN (Fully open)

**6. CHECK JAM PROTECTION FUNCTION****HINT:**

The jam protection function prevents any part of your body from getting caught by accident between the door frame and the door glass during power window operation.

NOTICE:

If the power window motor has just been reset, raise and lower the door glass several times using MANUAL function before performing the check.

- (a) Check that the door glass lowers by approximately 50 mm (1.97 in.) when something is caught between the door frame and door glass during power window operation. However, when the opening between the door frame and the door glass is less than 200 mm (7.87 in.), the door glass continues to lower and does not stop until an opening of 200 mm (7.87 in.) is achieved.

Operative conditions:

- AUTO UP (ALL DOORS)
- AUTO UP/MANUAL UP function after the ignition switch is turned OFF (ALL DOORS)
- MANUAL UP function using the driver side door lock key cylinder

7. CHECK MANUAL UP/DOWN FUNCTION USING DRIVER SIDE DOOR LOCK KEY CYLINDER

- (a) Check that all power windows and sliding roof (standard type only) operate as follows, when the key is inserted into the driver side door lock key cylinder.

OK:

Condition	Key Operation	Position/Operation
No key in ignition key cylinder	Turned left (LOCK) for more than 1.5 sec.	Driver and passenger side power windows/UP
	Turned left (LOCK) for more than 2.3 sec.	Rear LH and RH power windows/UP
	Turned left (LOCK) for more than 2.5 sec.	Sliding roof/CLOSED
	Turned right (UNLOCK) for more than 1.5 sec.	Driver and passenger side power windows/DOWN
	Turned right (UNLOCK) for more than 2.3 sec.	Rear LH and RH power windows/DOWN
	Turned right (UNLOCK) for more than 2.5 sec.	Sliding roof/OPEN

8. CHECK MANUAL DOWN FUNCTION USING TRANSMITTER

- (a) Check that all power windows and sliding roof (standard type only) operate as follows when operating the transmitter.

OK:

Condition	Key Operation	Position/Operation
<ul style="list-style-type: none"> • No key in ignition key cylinder • Any door unlocked 	UNLOCK switch pressed for more than 2.5 sec.	Driver and passenger side power windows/DOWN
	UNLOCK switch pressed for more than 3.3 sec.	Rear LH and RH power windows/DOWN
	UNLOCK switch pressed for more than 3.5 sec.	Sliding roof/CLOSED

HINT:

For a sign for starting operation, the wireless door lock buzzer sounds once (answer-back).

9. CHECK POWER WINDOW OPERATION FUNCTION AFTER IGNITION SWITCH IS TURNED OFF

- (a) When both of the following condition are fulfilled, check that the power windows can be operated even after the ignition switch is turned OFF.
- (1) Within 45 seconds after the ignition switch is turned OFF.
 - (2) The front doors are closed.

10. CHECK POWER WINDOW FAIL-SAFE FUNCTION

HINT:

If there is a malfunction in the power window system, some of the power window functions will be disabled.

Driver side power window:

Malfunctioning Part	Disabled Function	Operative Function
Pulse sensor circuit in power window motor	<ul style="list-style-type: none"> • AUTO UP/DOWN function • Power window operation function after ignition switch OFF • Remote (AUTO) • Remote function after ignition switch OFF (AUTO and manual) • Manual UP/DOWN function via driver side door lock key cylinder • MANUAL DOWN function via transmitter 	<ul style="list-style-type: none"> • Manual UP (fully pulled UP position) • Manual DOWN • Remote (manual)
CPU in power window master switch	<ul style="list-style-type: none"> • AUTO UP/DOWN function • Remote function (AUTO and manual) • MANUAL UP/DOWN function via driver side door lock key cylinder • MANUAL DOWN function via transmitter 	<ul style="list-style-type: none"> • Manual UP (fully pulled UP position) • Manual DOWN

Power windows except driver side power window:

Malfunctioning Part	Disabled Function	Operative Function
<ul style="list-style-type: none">• Pulse sensor circuit in power window motor• CPU in power window master switch• Communication between master switch	<ul style="list-style-type: none">• AUTO UP/DOWN function• Power window operation function after ignition switch OFF• MANUAL UP/DOWN function via driver side door lock key cylinder• MANUAL DOWN function via transmitter	<ul style="list-style-type: none">• Manual UP (fully pulled UP position)• Manual DOWN