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Model Year: 2006	Model: 4Runner	Doc ID: RM00000168100JX
Title: WINDSHIELD / WINDOWGLASS: POWER WINDOW CONTROL SYSTEM: OPERATION CHECK (2006 4Runner)		

OPERATION CHECK

	1. CHECK WINDOW LOCK SWITCH (a) Check that the operation of the door glasses except the driver side door glass and the back door glass and the roof glass is disabled when the window lock switch of the power window master switch is pressed. (b) Check that the door glasses, the back door glass and the roof glass can be operated when the window lock switch is pressed again.
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2. CHECK MANUAL UP/DOWN FUNCTION (FOR EXCEPT BACK DOOR)

(a) Check that the door glass can be operated using the master switch as follows.

Standard:

CONDITION	MASTER SWITCH	SWITCH OPERATION	POWER WINDOW
Ignition switch ON	AUTO	Pull halfway up	UP (Closed)
		Push halfway down	DOWN (Open)

(b) Check that each door glass can be operated using each power window switch as follows.

Standard:

CONDITION	MASTER SWITCH	SWITCH OPERATION	POWER WINDOW
- Ignition switch ON - Window lock switch OFF	Passenger side	Pull up	UP (Closed)
		Push down	DOWN (Open)
	Rear LH	Pull up	UP (Closed)
		Push down	DOWN (Open)

	Rear RH	Pull up	UP (Closed)
		Push down	DOWN (Open)
3. CHECK MANUAL UP/DOWN FUNCTION (FOR BACK DOOR) (a) Check that the back door glass can be operated using the back power window switch as follows. Standard:			
CONDITION	MASTER SWITCH	SWITCH OPERATION	POWER WINDOW
- Ignition switch ON - Window lock switch OFF - Rear wiper is retracted	Manual	Press on up side within 0.3 sec.	UP (Closed)
		Press on down side within 0.3 sec.	DOWN (Open)
4. CHECK AUTO UP/DOWN FUNCTION (FOR EXCEPT BACK DOOR) (a) Check that the driver side power window can be operated using the AUTO (driver side) switch of the power window master switch as follows: Standard:			
CONDITION	MASTER SWITCH	SWITCH OPERATION	POWER WINDOW
Ignition switch ON	AUTO	Pull halfway up	AUTO UP (Fully closed)
		Push halfway down	AUTO DOWN (Fully open)
5. CHECK MANUAL UP/DOWN FUNCTION (FOR BACK DOOR) (a) Check that the back door glass can be operated using the back power window switch as follows. Standard:			
CONDITION	MASTER SWITCH	SWITCH OPERATION	POWER WINDOW
- Ignition switch ON - Window lock switch OFF - Rear wiper is retracted	Manual	Press on up side within 0.3 sec.	UP (fully closed)
		Press on down side within 0.3 sec.	DOWN (Fully open)
6. CHECK REMOTE MANUAL UP/DOWN FUNCTION (a) Check that the door glasses other than the driver side door glass can be operated using the master switch as follows. Standard:			

CONDITION	MASTER SWITCH	SWITCH OPERATION	POWER WINDOW
- Ignition switch ON - Window lock switch OFF	Passenger side	Pull up	UP (Closed)
		Push down	DOWN (Open)
	Rear LH	Pull up	UP (Closed)
		Push down	DOWN (Open)
	Rear RH	Pull up	UP (Closed)
		Push down	DOWN (Open)

7. CHECK MANUAL UP/DOWN FUNCTION VIA BACK DOOR LOCK KEY CYLINDER (FOR BACK DOOR)

(a) Check that the back door glass can be operated using the back power window switch as follows.

Standard:

CONDITION	MASTER SWITCH	SWITCH OPERATION	POWER WINDOW
Rear wiper is retracted	Manual	Turn right (LOCK) for more than 0.75 sec.	UP (Closed)
		Turn left (UNLOCK) for more than 0.75 sec.	DOWN (Open)

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

(a) When both of the following conditions are fulfilled, check that the door glasses, the back door glass and the roof glass can be operated even after the ignition switch is turned OFF:

- Within 45 seconds after the ignition switch is turned OFF.
- The driver side door is closed.

	9. CHECK JAM PROTECTION FUNCTION (DRIVER SIDE) 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. (a) Check that the door glass goes down by approximately 50 mm (2.0 in.) right when something gets caught between the door frame and door glass during power window operation. However, when the opening amount between the vehicle body and the door glass is less than 200 mm
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	(7.9 in.), the door glass keeps going down until the opening amount reaches 200 mm (7.9 in.) and stops there. • AUTO UP • AUTO UP operation after the ignition switch OFF • MANUAL UP operation after the ignition switch OFF
10. CHECK POWER WINDOW FAIL-SAFE FUNCTION	
(a) If the pulse sensor of the power window motor malfunctions, the power window functions will be restricted: • The AUTO UP/DOWN and the remote UP/DOWN functions are disabled. • The manual UP/DOWN function can be performed via each power window switch.	