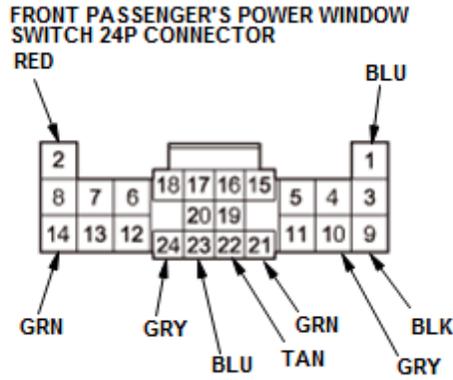


## Front Passenger's Power Window Switch Input Test

### NOTE:

- Before testing, make sure the No. C4 (20 A) fuse in the under-dash fuse/relay box is OK.
- Before testing, check for DTCs. If any DTCs are indicated, troubleshoot those DTCs first.

1. Turn the vehicle to the OFF (LOCK) mode.
2. Disconnect the front passenger's power window switch 24P connector.



3. Inspect the connector and socket terminals to be sure they are all making good contact:
  - If the terminals are bent, loose, or corroded, repair them as necessary, and recheck the system.
  - If the terminals are OK, go to step [4](#).
4. With the connector still disconnected, do the following input tests:
  - If any test indicates a problem, find and correct the cause, then recheck the system.
  - If all the input tests prove OK, go to step [5](#).

Cavity	Wire	Test condition	Test: Desired result	Possible cause if desired result is not obtained
2 • 1	RED	Connect terminals No. 2 and No. 14, and terminals No. 1 and No. 9 with jumper wires.	Check front passenger's power window motor operation: The front passenger's power window should close.	<ul style="list-style-type: none"> <li>● Faulty front passenger's power window motor</li> <li>● Poor ground (G405)</li> <li>● An open or high resistance in the wire</li> </ul>
	BLU	Connect terminals No. 1 and No. 14, and terminals No. 2 and No. 9 with jumper wires.	Check front passenger's power window motor operation: The front passenger's power window should open.	
24	GRY	Disconnect these connectors: <ul style="list-style-type: none"> <li>● Power window master switch 37P connector</li> <li>● Moonroof motor-control unit 14P connector</li> </ul>	Check for continuity between terminal No. 24 and power window master switch 37P connector terminal No. 36: There should be continuity.	An open in the LIN(WINDOW) wire
			Check for continuity between terminal No. 34 and moonroof motor-control unit 14P connector terminal No. 12: There should be continuity.	An open in the LIN(WINDOW) wire
			Check for continuity to ground: There should be no continuity.	A short to ground in the LIN(P/W) wire

5. Reconnect the connector, and do the following input tests:

Cavity	Wire	Test condition	Test: Desired result	Possible cause if desired result is not obtained
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- If any test indicates a problem, find and correct the cause, then recheck the system.
- If all the input tests prove OK, [replace the front passenger's power window switch](#).

NOTE: After replacing the front passenger's power window switch, [do the resetting the power window control unit](#).

Cavity	Wire	Test condition	Test: Desired result	Possible cause if desired result is not obtained
14	GRN	Under all conditions	Measure the voltage to ground: There should be battery voltage.	<ul style="list-style-type: none"> <li>● Blown No. C4 (20 A) fuse in the under-dash fuse/relay box</li> <li>● An open or high resistance in the wire</li> </ul>
9	BLK	In all power modes	Measure the voltage to ground: There should be less than 0.2 V.	<ul style="list-style-type: none"> <li>● Poor ground (G405)</li> <li>● An open or high resistance in the ground wire</li> </ul>
21	GRN	Vehicle ON mode	Measure the voltage to ground: There should be battery voltage.	<ul style="list-style-type: none"> <li>● Faulty front passenger's power window motor</li> <li>● A short to ground in the wire</li> </ul>
23	BLU	Vehicle ON mode, and front passenger's power window moving up or down	Measure the voltage between terminals No. 23 and No. 10: An analog meter should alternate between 0 V and 5 V (a digital voltmeter should read about 2.5 V while the window moves).	<ul style="list-style-type: none"> <li>● Faulty front passenger's power window motor</li> <li>● An open or high resistance in the wire</li> <li>● A short to ground in the wire</li> </ul>
22	TAN	Vehicle ON mode, and front passenger's power window moving up or down	Measure the voltage between terminals No. 22 and No. 10: An analog meter should alternate between 0 V and 5 V (a digital voltmeter should read about 2.5 V while the window moves).	<ul style="list-style-type: none"> <li>● Faulty front passenger's power window motor</li> <li>● An open or high resistance in the wire</li> <li>● A short to ground in the wire</li> </ul>