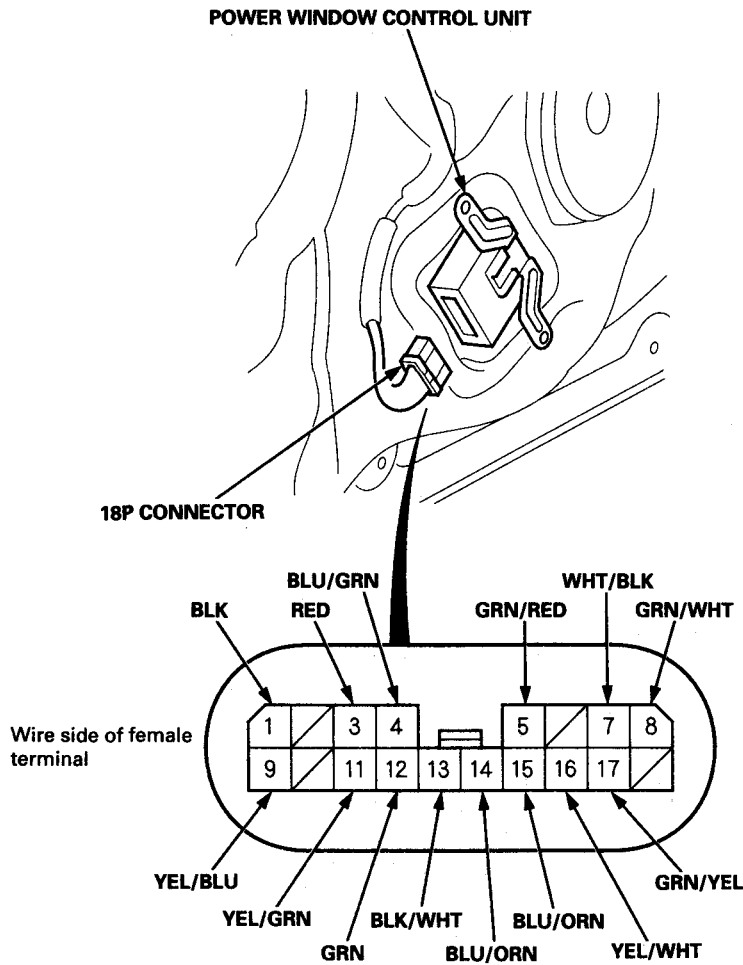


Power Windows

Control Unit Input Test

1. Remove the driver's door panel, and disconnect the 18P connector from the control unit.
2. 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 look OK, make the following input tests at the connector.
 - If a test indicates a problem, find and correct the cause, then recheck the system.
 - If all the input tests prove OK, the control unit must be faulty; replace it.



Cavity	Wire	Test condition	Test: Desired result	Possible cause if result is not obtained
1	BLK	Under all conditions	Check for continuity to ground: There should be continuity.	• Poor ground (G251) • An open in the wire
8	GRN/WHT	Under all conditions	Check for voltage to ground: There should be battery voltage.	• Blown No. 41 (20 A) fuse in the under-hood fuse/relay box • An open in the wire
7	WHT/BLK	Ignition switch ON (II)	Check for voltage to ground: There should be battery voltage.	• Blown No. 17 (7.5 A) [No. 23 (7.5 A)] fuse in the under-dash fuse/relay box • Faulty power window relay • An open in the wire
13	BLU/WHT	Ignition switch ON (II) and driver's window switch UP	Check for voltage to ground: There should be battery voltage.	• Faulty power window master switch • An open in the wire
11	YEL/GRN	Ignition switch ON (II) and driver's window switch AUTO UP		
		Ignition switch ON (II) and driver's window switch AUTO DOWN		
15	BLU/ORN	Ignition switch ON (II) and driver's window switch DOWN		
4	BLU/GRN	Driver's window switch DOWN	Check for continuity to ground: There should be continuity.	• Faulty power window master switch • Poor ground (G251) • An open in the wire
4	BLU/GRN	Driver's window switch OFF	Check for continuity between the No. 4 and No. 14 terminals: There should be continuity.	• Faulty power window master switch • An open in the wire
14	BLU/ORN	Driver's window switch OFF	Check for continuity between the No. 4 and No. 14 terminals: There should be continuity.	
3	RED	Connect the battery power to the No. 12 ⊕ and No. 3 ⊖ terminals	Check the driver's window motor: It should run (the window moves down).	• Faulty power window motor • An open in the wire
12	GRN	Connect the battery power to the No. 3 ⊕ and No. 12 ⊖ terminals	Check the driver's window motor: It should run (the window moves up).	

Reconnect the connector to the power window control unit.

Cavity	Wire	Test condition	Test: Desired result	Possible cause if result is not obtained
17	GRN/YEL	Ignition switch ON (II)	Check for voltage between the No. 17 ⊕ and No. 9 ⊖ terminals: There should be battery voltage.	• Faulty power window motor • Faulty pulser • An open in the wire
9	YEL/BLU			
5	GRN/RED	While operating the driver's window switch	Check for pulse voltage between the No. 5 ⊕ and No. 9 ⊖ terminals: There should be pulse voltage (the voltmeter needle should move back and forth alternately).	
16	YEL/WHT	While operating the driver's window switch	Check for pulse voltage between the No. 16 ⊕ and No. 9 ⊖ terminals: There should be pulse voltage (the voltmeter needle should move back and forth alternately).	