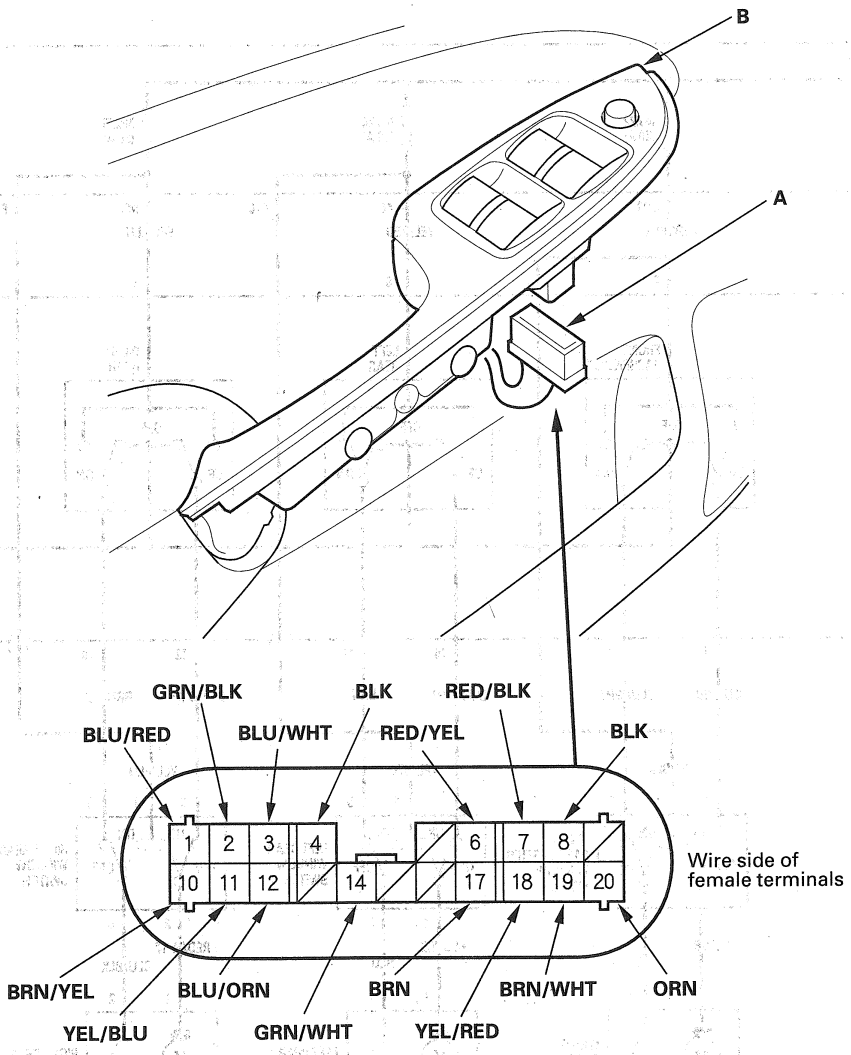
Master Switch Input Test

4-door

NOTE: The power window control unit is built into the power window master switch, and it only controls the driver's window operations.

1. Remove the door grip cover (see step 3 on page 20-11).
2. Disconnect the 20P connector (A) from the master switch (B).



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 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 power window master switch must be faulty; replace it.

4. With the connector still disconnected, make these input tests at the connector.

Cavity	Wire	Test condition	Test: Desired result	Possible cause if result is not obtained
20	ORN	Connect the No. 14 to the No. 6 terminals, and the No. 4 to the No. 7 terminals, then turn the ignition switch ON (II).	Check for voltage between the No. 20 and No. 4 terminals: About 6 V should be indicated with the driver's window motor running.	• Faulty driver's window motor. Refer to the driver's window motor pulser test (see page 22-174). • An open in the wire
4	BLK			
4	BLK	Under all conditions with main switch ON	Check for voltage to ground: There should be less than 1 V.	• Poor ground (G501) • An open in the wire
8				
14	GRN/WHT	Ignition switch ON (II)	Check for voltage to ground: There should be battery voltage.	• Blown No. 23, 22, 24 or 25 (20 A) fuse in the under-dash fuse/relay box • Faulty power window relay • An open in the wire • Blown No. 6 (7.5 A) fuse in the under-dash fuse/relay box • Poor ground (G301)
2	GRN/BLK			
18	YEL/RED			
11	YEL/BLU			

5. Disconnect the 20P connector and make these input tests.

Cavity	Wire	Test condition	Test: Desired result	Possible cause if result is not obtained
6	RED/YEL	Connect the No. 14 to the No. 6 terminals, and the No. 7 to the No. 4 terminals, then turn the ignition switch ON (II).	Check for driver's window motor operation: It should run (the driver's window moves down).	• Faulty driver's window motor • An open in the wire
7	RED/BLK			
1	BLU/RED	Connect the No. 2 to the No. 3 terminals, and the No. 1 to the No. 8 terminals, then turn the ignition switch ON (II).	Check for front passenger's window motor operation: It should run (the front passenger's window moves down).	• Faulty front passenger's window motor • Faulty front passenger's window switch • An open in the wire
3	BLU/WHT			
19	BRN/WHT	Connect the No. 18 to the No. 17 terminals, and the No. 19 to the No. 8 terminals, then turn the ignition switch ON (II).	Check for left rear window motor operation: It should run (the left rear window moves down).	• Faulty left rear window motor • Faulty left rear window switch • An open in the wire
17	BRN			
12	BLU/ORN	Connect the No. 11 to the No. 10 terminals, and the No. 12 to the No. 8 terminals, then turn the ignition switch ON (II).	Check for right rear window motor operation: It should run (the right rear window moves down).	• Faulty right rear window motor • Faulty right rear window switch • An open in the wire
10	BRN/YEL