

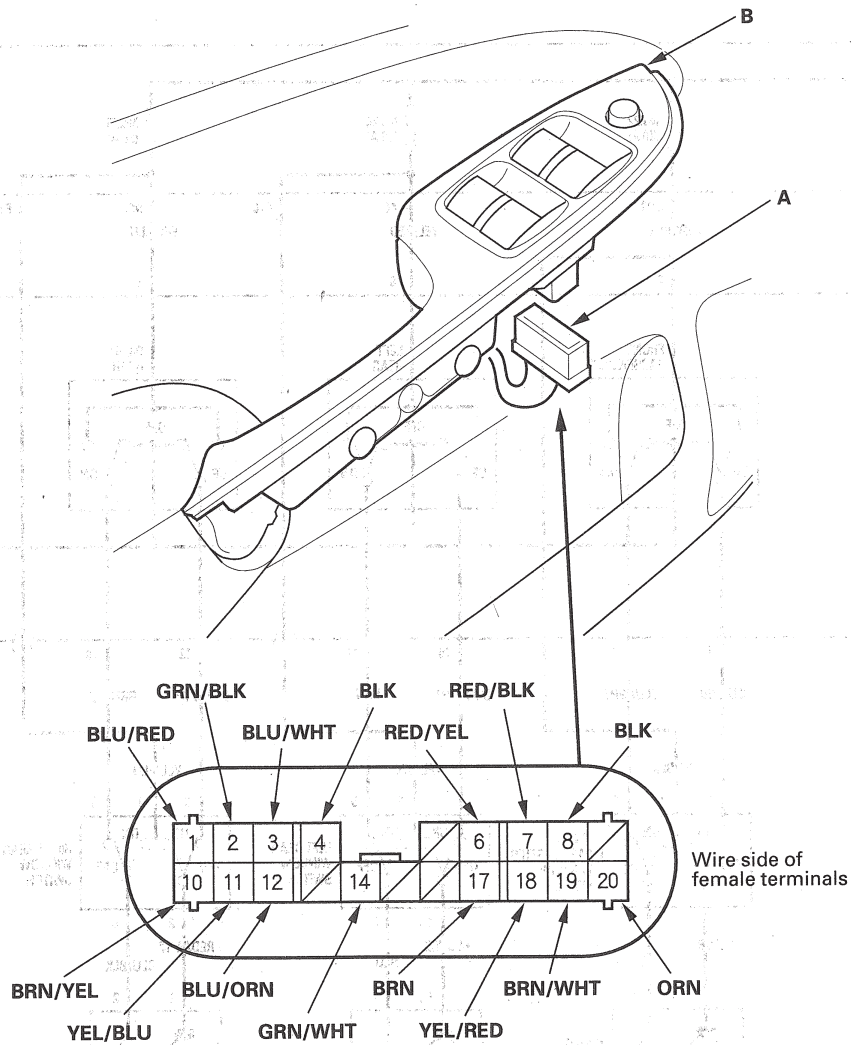
# Power Windows

## 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. | <ul style="list-style-type: none"> <li>Faulty driver's window motor. Refer to the driver's window motor pulser test (see page 22-174).</li> <li>An open in the wire</li> </ul>   |
| 4      | BLK     |   |   |  |
| 4      | BLK     | Under all conditions with main switch ON  | Check for voltage to ground: There should be less than 1 V.   | <ul style="list-style-type: none"> <li>Poor ground (G501)</li> <li>An open in the wire</li> </ul>  |
| 8      |         |   |   |  |
| 14     | GRN/WHT | Ignition switch ON (II)   | Check for voltage to ground: There should be battery voltage.   | <ul style="list-style-type: none"> <li>Blown No. 23, 22, 24 or 25 (20 A) fuse in the under-dash fuse/relay box</li> <li>Faulty power window relay</li> <li>An open in the wire</li> <li>Blown No. 6 (7.5 A) fuse in the under-dash fuse/relay box</li> <li>Poor ground (G301)</li> </ul> |
| 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).                   | <ul style="list-style-type: none"> <li>Faulty driver's window motor</li> <li>An open in the wire</li> </ul>  |
| 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). | <ul style="list-style-type: none"> <li>Faulty front passenger's window motor</li> <li>Faulty front passenger's window switch</li> <li>An open in the wire</li> </ul> |
| 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).                 | <ul style="list-style-type: none"> <li>Faulty left rear window motor</li> <li>Faulty left rear window switch</li> <li>An open in the wire</li> </ul>                 |
| 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).               | <ul style="list-style-type: none"> <li>Faulty right rear window motor</li> <li>Faulty right rear window switch</li> <li>An open in the wire</li> </ul>               |
| 10     | BRN/YEL |   |  |  |

