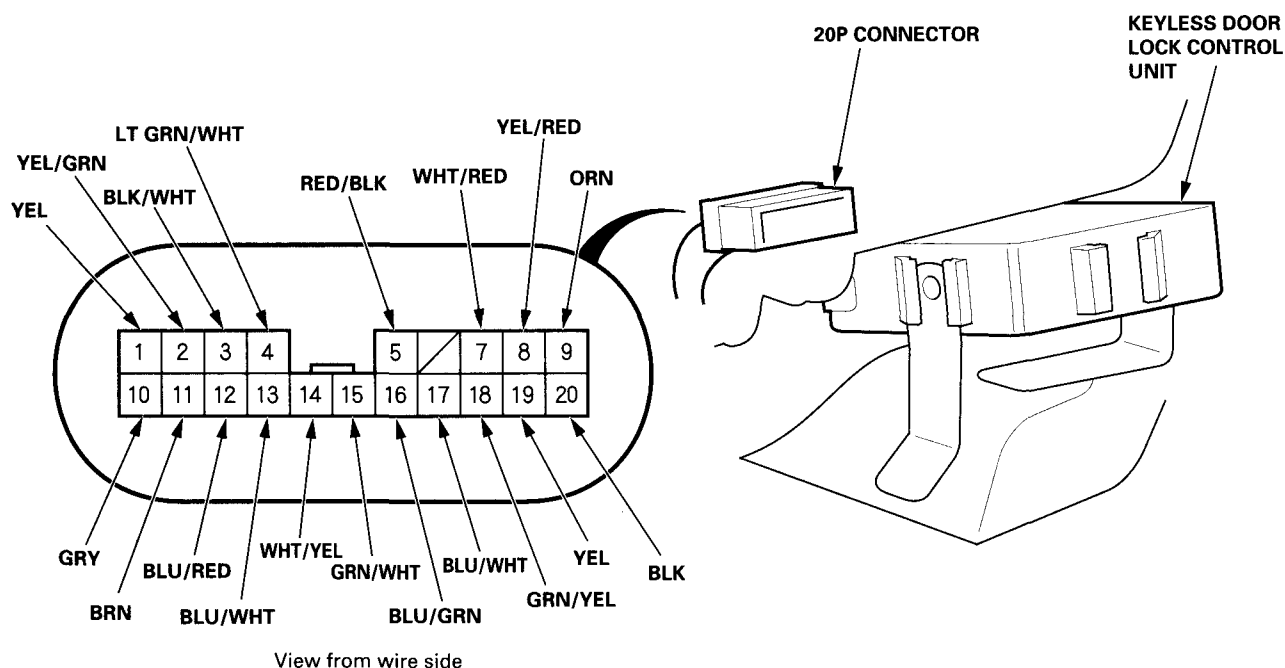


# Power Door Locks

## Control Unit Input Test

1. Remove the glove box, then disconnect the 20P connector from the control unit.
2. Inspect the connector 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 any 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  |
|--------|------------|---|--|---|
| 20     | BLK        | Under all conditions                                      | Check for continuity to ground:<br>There should be continuity.   | <ul style="list-style-type: none"> <li>• Poor ground (G401, G402, G403)</li> <li>• An open in the wire</li> </ul>   |
| 9      | ORN        | Under all conditions                                      | Check for voltage to ground:<br>There should be battery voltage. | <ul style="list-style-type: none"> <li>• Blown No. 35 (20 A) fuse in the under-hood fuse/relay box</li> <li>• An open in the wire</li> </ul>  |
| 19     | YEL        | Ignition switch ON (II)                                   | Check for voltage to ground:<br>There should be battery voltage. | <ul style="list-style-type: none"> <li>• Blown No. 5 (15 A) fuse in the under-hood fuse/relay box</li> <li>• An open in the wire</li> </ul>   |
| 5      | RED/BLK    | Lighting switch ON  | Check for voltage to ground:<br>There should be battery voltage. | <ul style="list-style-type: none"> <li>• Blown No. 42 (15 A) fuse in the under-hood fuse/relay box</li> <li>• Faulty taillight relay</li> <li>• Faulty combination light switch</li> <li>• An open in the wire</li> </ul>       |
| 4      | LT GRN/WHT | Horn switch ON  | Check for continuity to ground:<br>There should be continuity.   | <ul style="list-style-type: none"> <li>• Blown No. 45 (20 A) fuse in the under-hood fuse/relay box</li> <li>• Faulty horn relay</li> <li>• Faulty horn switch</li> <li>• Faulty diode</li> <li>• An open in the wire</li> </ul> |
| 2      | YEL/GRN    | Connect the No. 9 terminal to No. 2 terminal momentarily. | Check keyless buzzer operation:<br>The buzzer should sound.      | <ul style="list-style-type: none"> <li>• Poor ground (G302)</li> <li>• Faulty keyless buzzer</li> <li>• An open in the wire</li> </ul>  |



3. Reconnect the connector to the control unit, and make these input test at the connector.

- If any 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  |
|--------|---------|---|---|---|
| 16     | BLU/GRN | Ignition key is inserted into the ignition switch         | Check for voltage to ground: There should be 1V or less.      | <ul style="list-style-type: none"><li>• Faulty ignition key switch</li><li>• Poor ground (G401, G402 G403)</li><li>• An open in the wire</li></ul>                                    |
| 3      | BLK/WHT | Ceiling light switch "MIDDLE" position and doors closed   | Check for voltage to ground: There should be battery voltage. | <ul style="list-style-type: none"><li>• Blown No. 34 (15 A) fuse in the under-hood fuse/relay box</li><li>• Faulty ceiling light</li><li>• An open in the wire</li></ul>              |
| 15     | GRN/WHT | Driver's door lock switch in LOCK                         | Check for voltage to ground: There should be 1V or less.      | <ul style="list-style-type: none"><li>• Faulty driver's door lock switch</li><li>• Poor ground (G401, G402 G403)</li><li>• An open in the wire</li></ul>                              |
|        |         | Driver's door lock switch in Neutral or UNLOCK            | Check for voltage to ground: There should be 5V or more.      |   |
| 15     | GRN/WHT | Passenger's door key cylinder switch in LOCK              | Check for voltage to ground: There should be 1V or less.      | <ul style="list-style-type: none"><li>• Faulty passenger's key cylinder switch</li><li>• Poor ground (G401, G402 G403)</li><li>• Faulty diode</li><li>• An open in the wire</li></ul> |
|        |         | Passenger's door key cylinder switch in Neutral or UNLOCK | Check for voltage to ground: There should be 5V or more.      |   |

(cont'd)

# Power Door Locks

## Control Unit Input Test (cont'd)

| Cavity | Wire    | Test condition   | Test: Desired result                                     | Possible cause if result is not obtained   |
|--------|---------|--|--|--|
| 14     | WHT/YEL | Driver's door lock switch in UNLOCK  | Check for voltage to ground: There should be 1V or less. | <ul style="list-style-type: none"> <li>Faulty driver's door lock switch</li> <li>Poor ground (G401, G402 G403)</li> <li>An open in the wire</li> </ul>                             |
|        |         | Driver's door lock switch in Neutral or LOCK   | Check for voltage to ground: There should be 5V or more. |  |
| 14     | WHT/YEL | Passenger's door key cylinder switch in UNLOCK   | Check for voltage to ground: There should be 1V or less. | <ul style="list-style-type: none"> <li>Faulty passenger's key cylinder switch</li> <li>Poor ground (G401, G402 G403)</li> <li>Faulty diode</li> <li>An open in the wire</li> </ul> |
|        |         | Passenger's door key cylinder switch in Neutral or LOCK  | Check for voltage to ground: There should be 5V or more. |  |
| 7      | WHT/RED | Connect the No. 9 terminal to the No. 7 terminal, and the No. 8 terminal to the No. 20 terminal momentarily. | Check door lock operation: Driver's door should lock.    | <ul style="list-style-type: none"> <li>Faulty driver's door lock actuator</li> <li>An open in the wire</li> </ul>  |
| 7      | WHT/RED | Connect the No. 9 terminal to the No. 7 terminal, and the No. 1 terminal to the No. 20 terminal momentarily. | Check door lock operation: Passenger's door should lock. | <ul style="list-style-type: none"> <li>Faulty passenger's door lock actuator</li> <li>An open in the wire</li> </ul>   |
| 8      | YEL/RED | Connect the No. 9 terminal to the No. 8 terminal, and the No. 7 terminal to the No. 20 terminal momentarily. | Check door lock operation: Driver's door should unlock.  | <ul style="list-style-type: none"> <li>Faulty driver's door lock actuator</li> <li>An open in the wire</li> </ul>  |
| 1      | YEL     | Connect the No. 9 terminal to the No. 1 terminal, and the No. 7 terminal to the No. 20 terminal momentarily. | Check door lock operation: Passenger's door should lock. | <ul style="list-style-type: none"> <li>Faulty passenger's door lock actuator</li> <li>An open in the wire</li> </ul>   |



| Cavity | Wire    | Test condition                                       | Test: Desired result                                     | Possible cause if result is not obtained   |
|--------|---------|--|--|--|
| 13     | BLU/WHT | Driver's door lock knob switch in LOCK               | Check for voltage to ground: There should be 1V or less. | <ul style="list-style-type: none"> <li>Faulty driver's door lock knob switch</li> <li>Poor ground (G401, G402 G403)</li> <li>An open in the wire</li> </ul>  |
|        |         | Driver's door lock knob switch in UNLOCK             | Check for voltage to ground: There should be 5V or more. |  |
| 12     | BLU/RED | Driver's door lock knob switch in UNLOCK             | Check for voltage to ground: There should be 1V or less. | <ul style="list-style-type: none"> <li>Faulty driver's door lock knob switch</li> <li>Poor ground (G401, G402 G403)</li> <li>An open in the wire</li> </ul>  |
|        |         | Driver's door lock knob switch in LOCK               | Check for voltage to ground: There should be 5V or more. |  |
| 18     | GRN/YEL | Driver's door key cylinder switch in UNLOCK          | Check for voltage to ground: There should be 1V or less. | <ul style="list-style-type: none"> <li>Faulty driver's door key cylinder switch</li> <li>Poor ground (G401, G402 G403)</li> <li>An open in the wire</li> </ul>   |
|        |         | Driver's door key cylinder switch in Neutral or LOCK | Check for voltage to ground: There should be 5V or more. |  |
| 17     | BLU/WHT | Driver's or passenger's door open                    | Check for voltage to ground: There should be 1V or less. | <ul style="list-style-type: none"> <li>Faulty driver's door switch</li> <li>Faulty passenger's door switch</li> <li>Faulty gauge assembly</li> <li>Poor ground (G401, G402 G403)</li> <li>An open in the wire</li> </ul> |
| 11     | BRN     | Keyless transmitter LOCK button pushed               | Check for voltage to ground: There should be 1V or less. | <ul style="list-style-type: none"> <li>Faulty security control unit</li> <li>Faulty keyless transmitter</li> <li>An open in the wire</li> </ul>  |
|        |         | Keyless transmitter LOCK button released             | Check for voltage to ground: There should be 5V or more. |  |
| 10     | GRY     | Keyless transmitter UNLOCK button pushed             | Check for voltage to ground: There should be 1V or less. | <ul style="list-style-type: none"> <li>Faulty security control unit</li> <li>Faulty keyless transmitter</li> <li>An open in the wire</li> </ul>  |
|        |         | Keyless transmitter UNLOCK button released           | Check for voltage to ground: There should be 5V or more. |  |