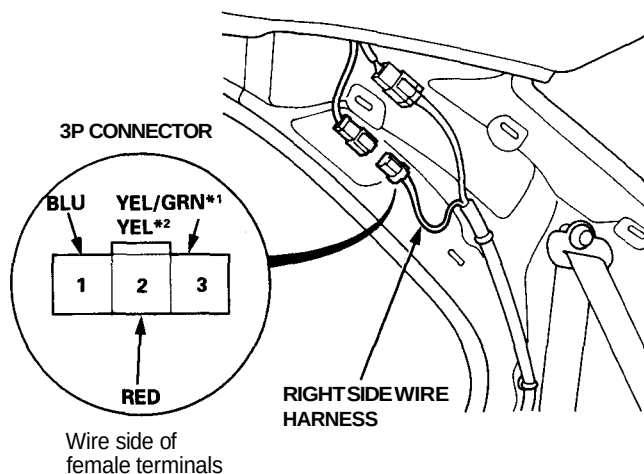


## Control Unit Input Test

1. Remove the right rear pillar trim (see [section 20](#)).
2. Disconnect the moonroof harness 3P connector from the right side wire harness.
3. Make the following input tests at the right side wire harness 3P connector.
  - 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 4.



| Cavity | Wire                  | Test condition          | Test: Desired results                                            | Possible cause if result is not obtained                                                                                                                                                                                                                                                                                                                                        |
|--------|-----------------------|-------------------------|------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1      | BLU                   | Ignition switch ON (II) | Attach to ground:<br>The moonroof motor should run (open).       | <ul style="list-style-type: none"> <li>• Blown No. 51 (30 A) fuse in the under-hood fuse/relay box</li> <li>• Blown No. 23 (10 A) or No. 13 (7.5 A) fuse in the under-dash fuse/relay box</li> <li>• Faulty moonroof open relay</li> <li>• Faulty moonroof close relay</li> <li>• Faulty moonroof motor</li> <li>• Poor ground (G602)</li> <li>• An open in the wire</li> </ul> |
| 2      | RED                   | Ignition switch ON (II) | Attach to ground:<br>The moonroof motor should run (close).      |                                                                                                                                                                                                                                                                                                                                                                                 |
| 3      | YEL/GRN* <sup>1</sup> | Ignition switch ON (II) | Check for voltage to ground:<br>There should be battery voltage. | <ul style="list-style-type: none"> <li>• Blown No. 23 (10 A) fuse in the under-dash fuse/relay box</li> <li>• An open in the wire</li> </ul>                                                                                                                                                                                                                                    |
|        | YEL* <sup>2</sup>     | Ignition switch ON (II) | Check for voltage to ground:<br>There should be battery voltage. |                                                                                                                                                                                                                                                                                                                                                                                 |

\*1: '96 – 98 models

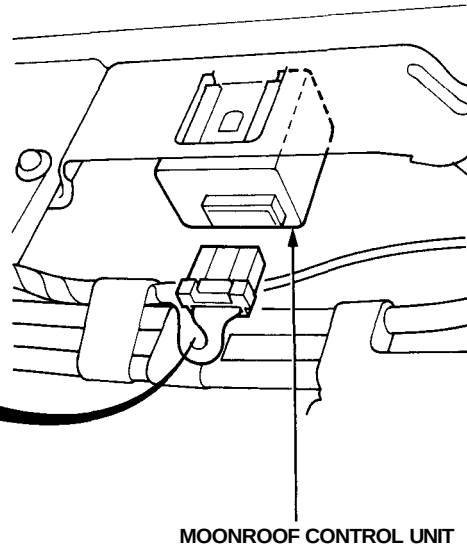
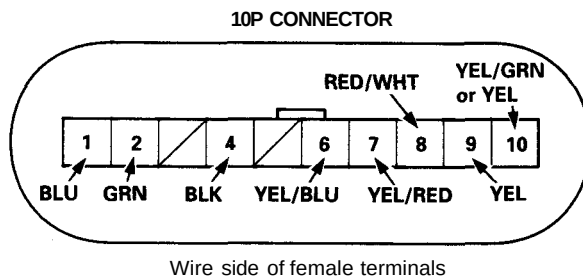
\*2: '99 – 01 models

(cont'd)

# Moonroof

## Control Unit Input Test (cont'd)

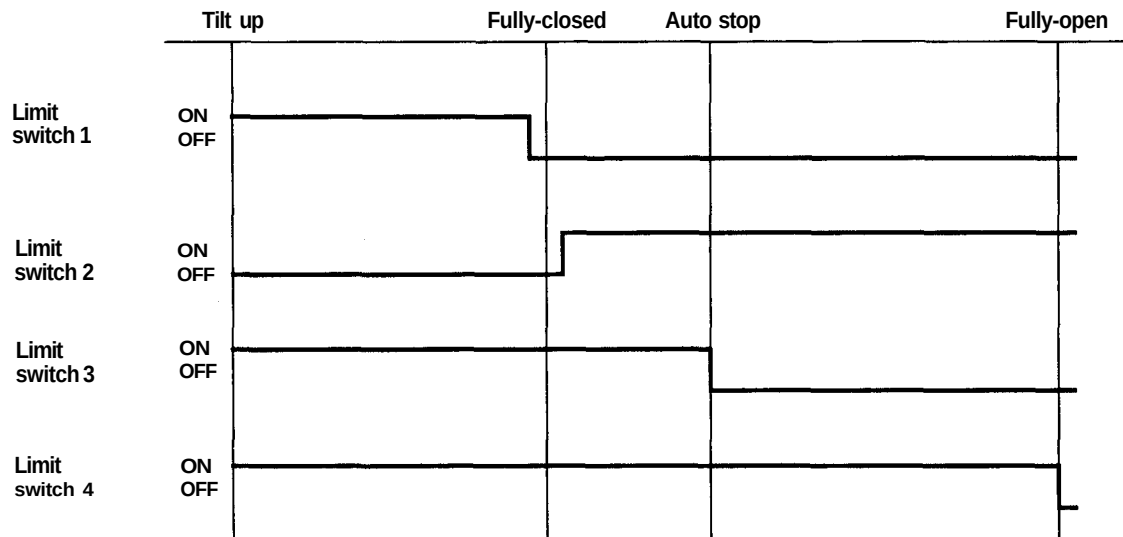
4. Connect the moonroof 3P connector to the right side wire harness.
5. Disconnect the 10P connector from the control unit.
6. Make the following input tests at the 10P connector.
  - If any test indicates a problem, find and correct the cause, then recheck the system.
  - If all the input tests prove OK, the control unit must be faulty; replace it.



| Cavity | Wire    | Test condition                                       | Test: Desired result                                                                           | Possible cause if result is not obtained                                                                                   |
|--------|---------|------------------------------------------------------|------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| 1      | BLU     | Under all conditions                                 | Check for voltage to ground:<br>There should be less than 2 V<br>with the limit switch 3 ON.   | <ul style="list-style-type: none"> <li>Faulty limit switch 3</li> <li>An open in the wire</li> </ul>                       |
| 2      | GRN     | Ignition switch ON (II)                              | Check for voltage to ground:<br>There should be battery<br>voltage with the limit switch 2 ON. | <ul style="list-style-type: none"> <li>Faulty limit switch 2</li> <li>An open in the wire</li> </ul>                       |
| 4      | BLK     | Under all conditions                                 | Check for continuity to ground:<br>There should be continuity.                                 | <ul style="list-style-type: none"> <li>Poor ground</li> <li>An open in the wire</li> </ul>                                 |
| 6      | YEL/BLU | Ignition switch ON (II)                              | Check for voltage to ground:<br>There should be battery<br>voltage with the limit switch 4 ON. | <ul style="list-style-type: none"> <li>Faulty limit switch 4</li> <li>An open in the wire</li> </ul>                       |
|        |         | Open switch ON<br>(pressed),<br>ignition switch OFF. | Check for continuity to ground:<br>There should be continuity.                                 | <ul style="list-style-type: none"> <li>Poor ground</li> <li>Faulty moonroof switch</li> <li>An open in the wire</li> </ul> |

| Cavity | Wire           | Test condition          | Test: Desired result                                                                                                  | Possible cause if result is not obtained                                                                                                                                                 |
|--------|----------------|-------------------------|-----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 7      | YEL/RED        | Ignition switch ON (II) | Check for voltage to ground:<br>There should be battery voltage with the limit switch 1 ON.                           | <ul style="list-style-type: none"> <li>Faulty limit switch 1</li> <li>An open in the wire</li> </ul>                                                                                     |
|        |                | Close switch ON         | Check for voltage to ground:<br>There should be less than 2 V.                                                        | <ul style="list-style-type: none"> <li>Poor ground</li> <li>Faulty moonroof switch</li> <li>An open in the wire</li> </ul>                                                               |
| 8      | RED/WHT        | Open switch (manual) ON | Check for voltage to ground:<br>There should be less than 2 V with the limit switch 1 OFF, and the limit switch 4 ON. | <ul style="list-style-type: none"> <li>Poor ground</li> <li>Faulty limit switch 1</li> <li>Faulty limit switch 4</li> <li>Faulty moonroof switch</li> <li>An open in the wire</li> </ul> |
| 9      | YEL            | Auto open switch ON     | Check for voltage to ground:<br>There should be less than 3 V.                                                        | <ul style="list-style-type: none"> <li>Poor ground</li> <li>Faulty moonroof switch</li> <li>An open in the wire</li> </ul>                                                               |
| 10     | YEL/GRN or YEL | Ignition switch ON (II) | Check for voltage to ground:<br>There should be battery voltage.                                                      | <ul style="list-style-type: none"> <li>An open in the wire</li> </ul>                                                                                                                    |

NOTE: The limit switches are switched in the moonroof positions as shown below:



The moonroof stops automatically only when moving from open to closed when the limit switch 3 is turned ON.