

# Integrated Control Unit (KY model)

## Input Test

### Description:

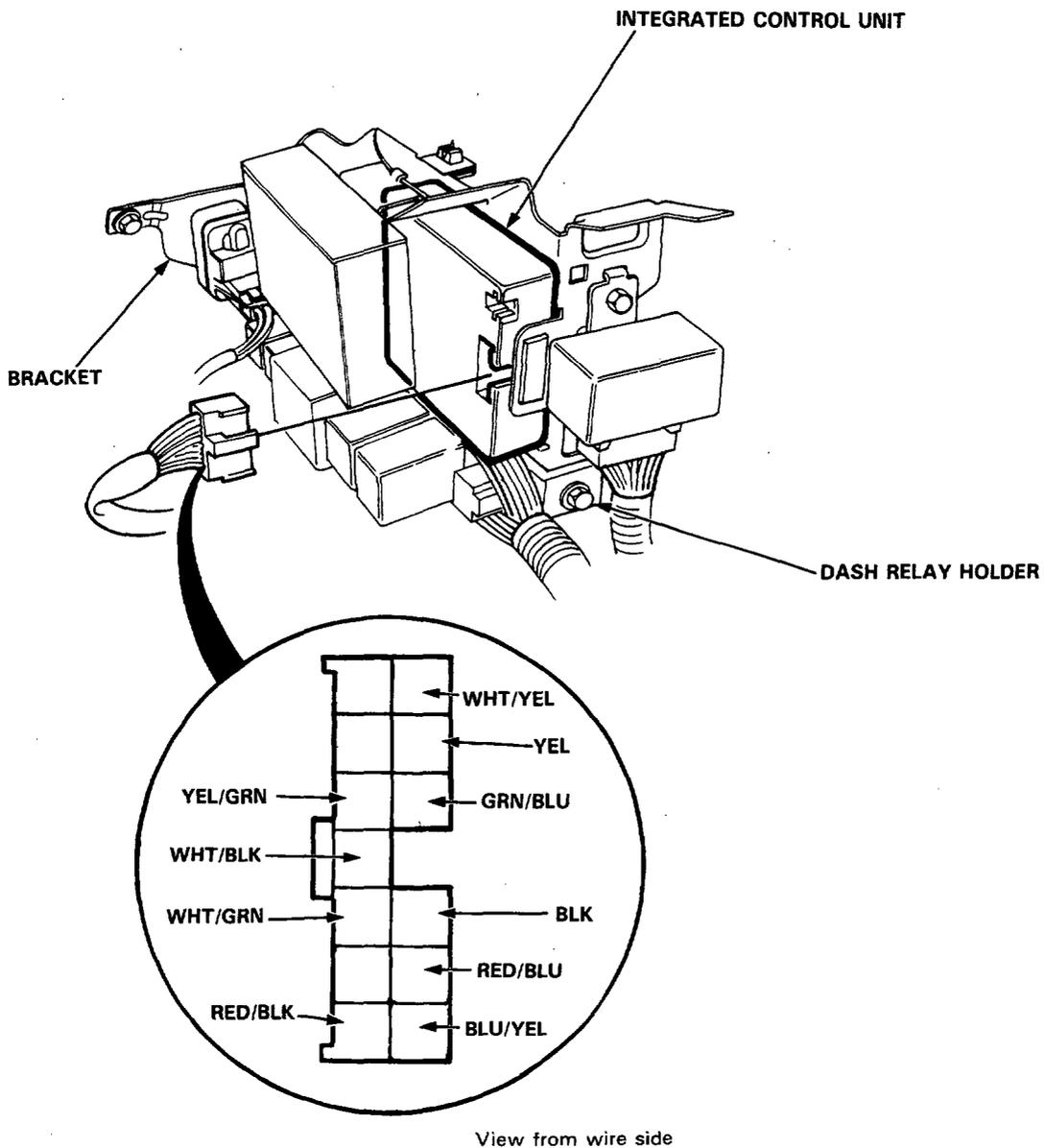
A multi-function control unit located under the driver's side of the dashboard, integrates the functions of the entry light timer, light-on warning and seat belt reminder onto one circuit board, sharing common circuit functions.

### Input Test:

Remove the dashboard lower panel, and the dash relay holder from the bracket, to disconnect the 13-P connector from the control unit.

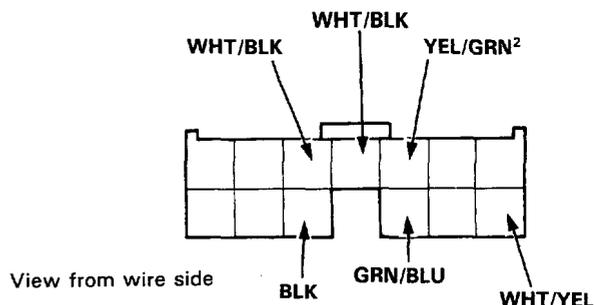
Make the following input tests at the harness pins.

If all tests prove OK, yet the system still fails to work, replace the control unit.



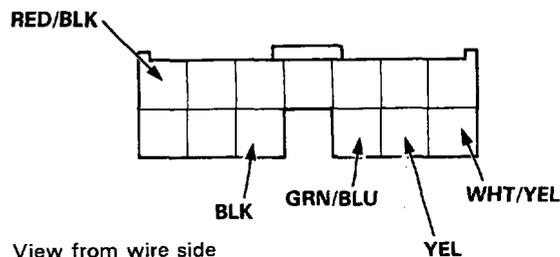


**Entry Light Timer System:**



No.	Wire	Test condition	Test: desired result	Possible cause (if result is not obtained)
1	BLK	Under all conditions.	Check for continuity to ground: should be continuity.	<ul style="list-style-type: none"> <li>• Poor ground (G403).</li> <li>• An open in the wire.</li> </ul>
2	WHT/YEL	Under all conditions.	Check for voltage to ground: should be battery voltage.	<ul style="list-style-type: none"> <li>• Blown No. 5 (10A) fuse.</li> <li>• An open in the wire.</li> </ul>
3	YEL/GRN	Driver's door outer handle pulled.	Check for continuity to ground: should be continuity as the outer handle is pulled.	<ul style="list-style-type: none"> <li>• Faulty outer handle switch.</li> <li>• Poor ground (G403).</li> <li>• An open in the wire.</li> </ul>
4	WHT/BLK	Under all conditions.	Attach to ground: Ignition key and foot lights should come on.	<ul style="list-style-type: none"> <li>• Blown bulb or No. 3 (15A) fuse.</li> <li>• An open in the wire.</li> </ul>
5	GRN/BLU	Driver's door opened.	Check for continuity to ground: should be continuity. NOTE: Before testing, remove No. 3 (15A) fuse.	<ul style="list-style-type: none"> <li>• Faulty driver's door switch.</li> <li>• An open in the wire.</li> </ul>
6	WHT/GRN	Under all conditions.	Check for voltage to ground: should be about 10V.	<ul style="list-style-type: none"> <li>• Faulty door key light.</li> <li>• An open in the wire.</li> </ul>

**Light-on Warning System:**



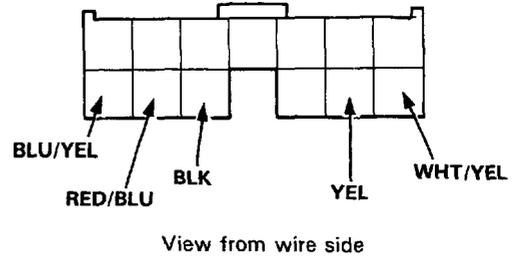
No.	Wire	Test condition	Test: desired result	Possible cause (if result is not obtained)
1	BLK	Under all conditions.	Check for continuity to ground: should be continuity.	<ul style="list-style-type: none"> <li>• Poor ground (G403).</li> <li>• An open in the wire.</li> </ul>
2	WHT/YEL	Under all conditions.	Check for voltage to ground: should be battery voltage.	<ul style="list-style-type: none"> <li>• Blown No. 5 (10A) fuse.</li> <li>• An open in the wire.</li> </ul>
3	YEL	Ignition switch ON.	Check for voltage to ground: should be battery voltage.	<ul style="list-style-type: none"> <li>• Blown No. 13 (7.5A) fuse.</li> <li>• An open in the wire.</li> </ul>
4	GRN/BLU [GRN/RED]	Left door opened.	Check for continuity to ground: should be continuity. NOTE: Before testing, remove No. 3 (15A) fuse.	<ul style="list-style-type: none"> <li>• Faulty driver's door switch.</li> <li>• An open in the wire.</li> </ul>
5	RED/BLK	Lighting switch ON.	Check for voltage to ground: should be battery voltage.	<ul style="list-style-type: none"> <li>• Blown No. 7 (15A) fuse.</li> <li>• Faulty lighting switch.</li> <li>• An open in the wire.</li> </ul>

(cont'd)

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## Input Test (cont'd)

### Seat Belt Reminder System:



No.	Wire	Test condition	Test: desired result	Possible cause (if result is not obtained)
1	BLK	Under all conditions.	Check for continuity to ground: should be continuity.	<ul style="list-style-type: none"> <li>• Poor ground (G403).</li> <li>• An open in the wire.</li> </ul>
2	YEL	Ignition switch ON.	Check for voltage to ground: should be battery voltage.	<ul style="list-style-type: none"> <li>• Blown No. 13 (7.5A) fuse.</li> <li>• An open in the wire.</li> </ul>
3	WHT/YEL	Under all conditions.	Check for voltage to ground: should be battery voltage.	<ul style="list-style-type: none"> <li>• Blown No. 5 (10A) fuse.</li> <li>• An open in the wire.</li> </ul>
4	RED/BLU	Driver's seat belt not buckled.	Check for continuity to ground: should be continuity.	<ul style="list-style-type: none"> <li>• Faulty seat belt switch.</li> <li>• Poor ground (G405).</li> <li>• An open in the wire.</li> </ul>
5	BLU/YEL	Ignition switch ON.	Attach to ground: Seat belt reminder light should come on.	<ul style="list-style-type: none"> <li>• Blown bulb.</li> <li>• An open in the wire.</li> </ul>