

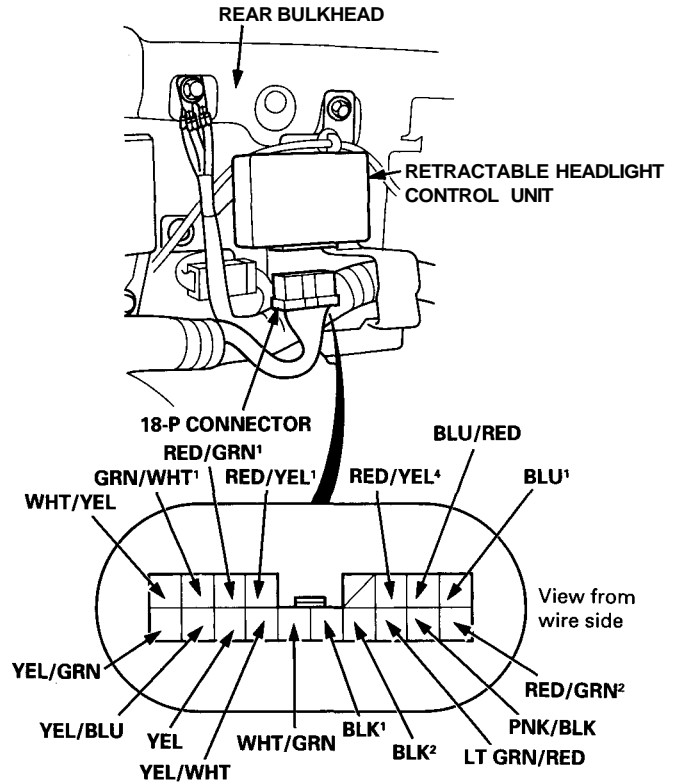
# Lighting System

## Retractable Headlight Control Unit Input Test

Remove the rear bulkhead panels, and disconnect the 18-P connector from the control unit. 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 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.

NOTE: Different wires with the same color have been given a number suffix to distinguish them (for example, RED/YEL<sup>1</sup> and RED/YEL<sup>4</sup> are not the same).



No.	Wire	Test condition	Test: Desired result	Possible cause if result is not obtained
1	BLK <sup>1</sup>	Under all conditions	Check for continuity to ground: 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>
	BLK <sup>2</sup>			<ul style="list-style-type: none"> <li>• Poor ground (G401, G402, G403)</li> <li>• An open in the wire</li> </ul>
2	RED/GRN <sup>2</sup>	Headlight switch OFF and retractor switch OFF	Check for voltage to ground: There should be battery voltage.	<ul style="list-style-type: none"> <li>• Blown No. 42 (15 A) and No. 43 (15 A) fuses</li> <li>• Faulty retractor switch or headlight switch</li> <li>• An open in the wire</li> </ul>
3	WHT/GRN	Retractor switch OFF	Check for voltage to ground: There should be battery voltage.	<ul style="list-style-type: none"> <li>• Blown No. 42 (15 A) and No. 43 (15 A) fuses</li> <li>• Faulty retractor switch</li> <li>• An open in the wire</li> </ul>
4	YEL/WHT	Retractor switch ON	Check for voltage to ground: There should be battery voltage.	<ul style="list-style-type: none"> <li>• Blown No. 42 (15 A) and No. 43 (15 A) fuses</li> <li>• Faulty retractor switch</li> <li>• An open in the wire</li> </ul>
5	PNK/BLK	Headlight switch "●" (headlights on)	Check for voltage to ground: There should be battery voltage.	<ul style="list-style-type: none"> <li>• Blown No. 43 (15 A) fuse</li> <li>• Faulty headlight switch</li> <li>• An open in the wire</li> </ul>
6	RED/YEL <sup>1</sup>	Headlight switch "●" (headlights on)	Check for voltage to ground: There should be battery voltage.	<ul style="list-style-type: none"> <li>• Blown No. 52 (20 A) fuse</li> <li>• Faulty headlight relay or headlight switch</li> <li>• An open in the wire</li> </ul>
	RED/GRN <sup>1</sup>			<ul style="list-style-type: none"> <li>• Blown No. 49 (20 A) fuse</li> <li>• Faulty headlight relay or headlight switch</li> <li>• An open in the wire</li> </ul>



No.	Wire	Test condition	Test: Desired result	Possible cause if result is not obtained
7	LT GRN/ RED	Passing switch ON	Check for voltage to ground: There should be battery voltage.	<ul style="list-style-type: none"> <li>Faulty headlight relay or passing switch</li> <li>An open in the wire</li> </ul>
8	BLU/RED	Retractor motor stationary	Check for voltage to ground: There should be battery voltage.	<ul style="list-style-type: none"> <li>Blown No. 42 (15 A) fuse</li> <li>Faulty right retractor relay</li> <li>An open in the wire</li> </ul>
	BLU <sup>1</sup>			<ul style="list-style-type: none"> <li>Blown No. 43 (15 A) fuse</li> <li>Faulty left retractor relay</li> <li>An open in the wire</li> </ul>
9	YEL	Under all conditions	Check for continuity to ground: There should be continuity.	<ul style="list-style-type: none"> <li>Faulty right retractor cut relay</li> <li>Poor ground (G202)</li> <li>An open in the wire</li> </ul>
	YEL/GRN			<ul style="list-style-type: none"> <li>Faulty left retractor cut relay</li> <li>Poor ground (G202)</li> <li>An open in the wire</li> </ul>
10	RED/YEL <sup>4</sup>	Ignition switch ON (II)	Connect battery power: The retractable headlight malfunction indicator should come on.	<ul style="list-style-type: none"> <li>Faulty safety indicator circuit</li> <li>An open in the wire</li> </ul>
11	WHT/YEL • GRN/WHT <sup>1</sup> (YEL/BLU)	Headlight retractor switch OFF (retractable headlight closed) Connect an ohmmeter with the negative lead to the WHT/YEL terminal, and the positive lead to the GRN/WHT <sup>1</sup> (or YEL/BLU) terminal.	Check that there is no continuity between the WHT/YEL and the GRN/WHT <sup>1</sup> (or YEL/BLU) terminals.	<ul style="list-style-type: none"> <li>Faulty headlight retractor motor</li> </ul>
		Raise the headlights halfway by turning the retractor knob clockwise.	Check for continuity between the WHT/YEL and the GRN/WHT <sup>1</sup> (or YEL/BLU) terminals: There should be continuity.	<ul style="list-style-type: none"> <li>Faulty headlight retractor motor</li> <li>An open in the wire</li> </ul>
		Turn the retractor knob clockwise until the headlights are fully raised.	Check for continuity between the WHT/YEL and the GRN/WHT <sup>1</sup> (or YEL/BLU) terminals: There should be continuity.	<ul style="list-style-type: none"> <li>Faulty headlight retractor motor</li> <li>An open in the wire</li> </ul>
12	YEL/WHT • GRN/WHT <sup>1</sup> (YEL/BLU)	Headlight retractor switch OFF (retractable headlight closed) Connect an ohmmeter negative lead to the YEL/WHT terminal, and the positive lead to the GRN/WHT <sup>1</sup> (or YEL/BLU) terminal.	Check for continuity between the YEL/WHT and the GRN/WHT <sup>1</sup> (or YEL/BLU) terminals: There should be continuity.	<ul style="list-style-type: none"> <li>Faulty headlight retractor motor</li> <li>An open in the wire</li> </ul>
		Raise the headlights halfway by turning the retractor knob clockwise.	Check for continuity between the YEL/WHT and the GRN/WHT <sup>1</sup> (or YEL/BLU) terminals: There should be continuity.	<ul style="list-style-type: none"> <li>Faulty headlight retractor motor</li> <li>An open in the wire</li> </ul>
		Turn the retractor knob clockwise until the headlights are fully raised.	Check that there is no continuity between the YEL/WHT and the GRN/WHT <sup>1</sup> (or YEL/BLU) terminals.	<ul style="list-style-type: none"> <li>Faulty headlight retractor motor</li> </ul>