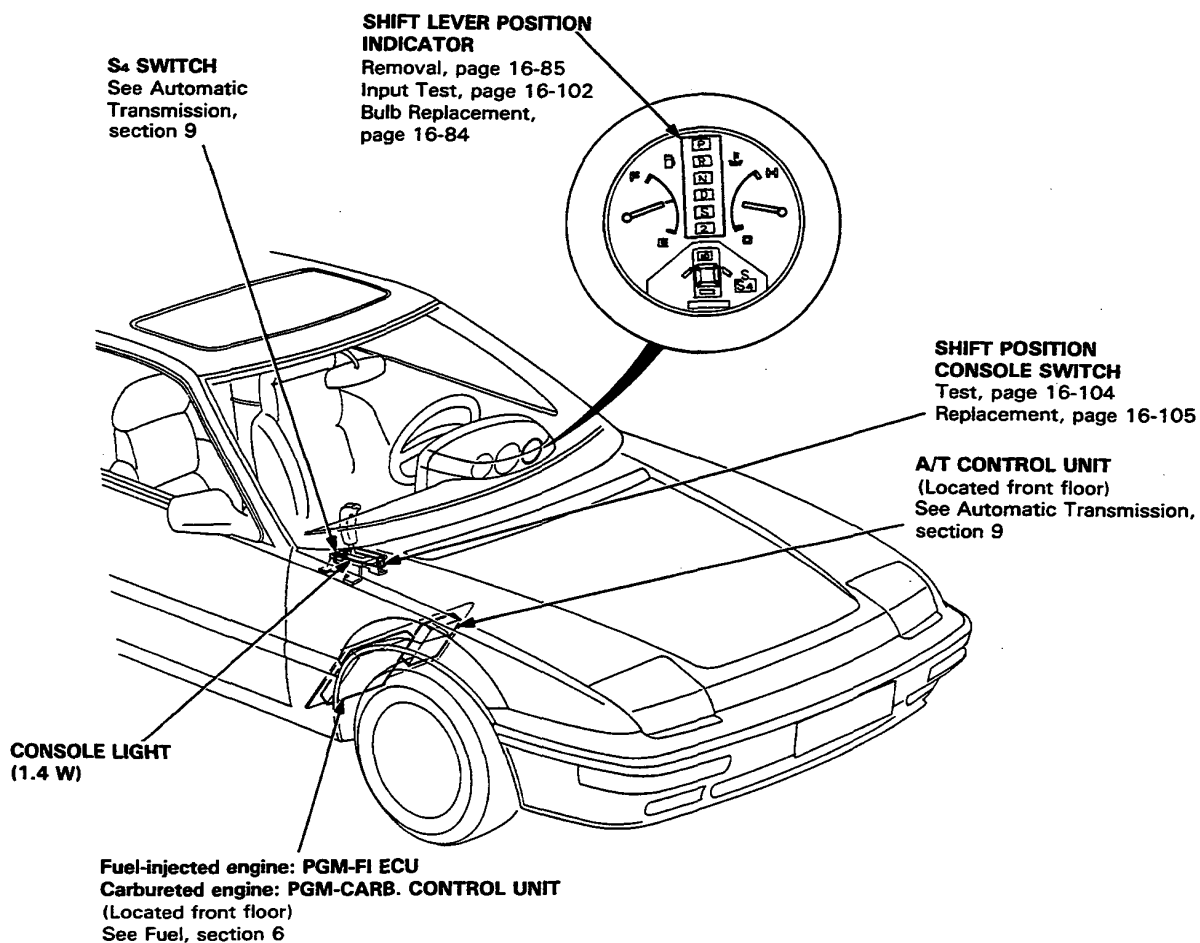


# Shift Lever Position Indicator

## Component Location Index

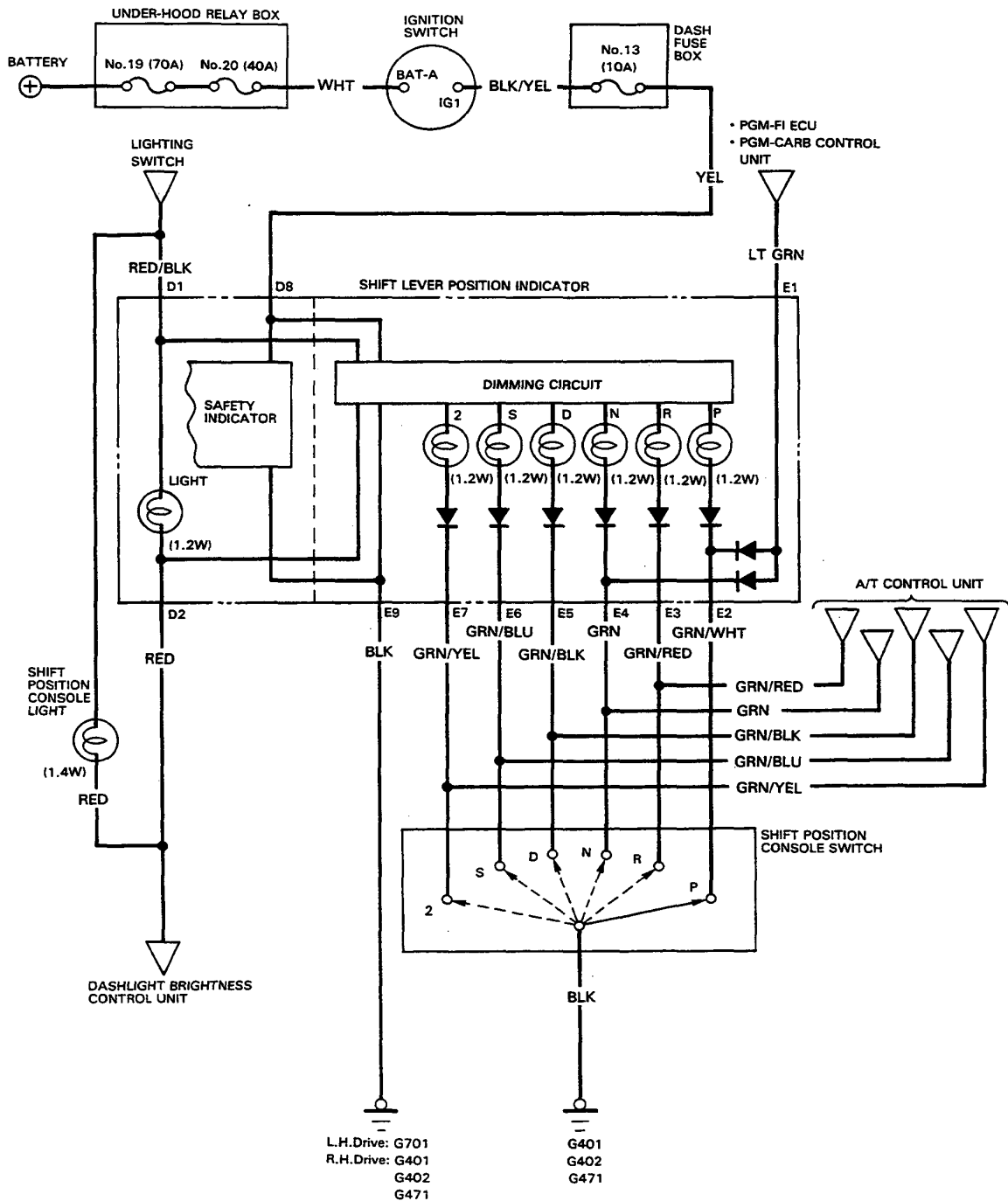
### A/T CONTROL SYSTEM

See Automatic Transmission, section 9





## Circuit Diagram



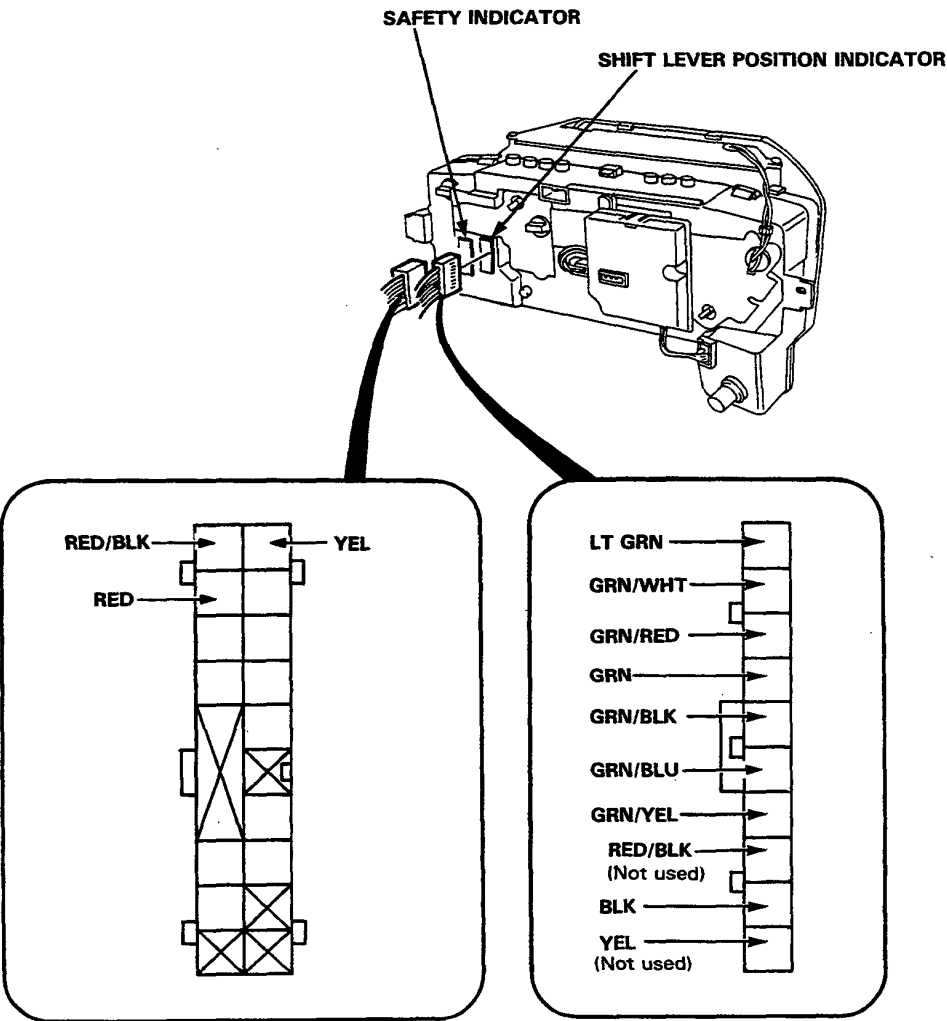
# Shift lever Position Indicator

## Indicator Input Test

Remove the gauge assembly from the dashboard to disconnect the 10-P and 16-P connectors from the indicators.

Make the following input tests at the harness pins.

If all tests prove OK, yet the indicator still fails to work, replace the indicator assembly.



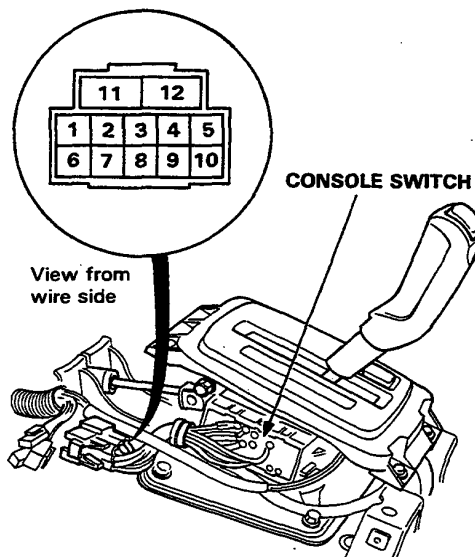


| No. | Wire            | Test condition   | Test: desired result  | Possible cause (if result is not obtained)  |
|-----|-----------------|--|---|---|
| 1   | BLK             | Under all conditions.  | Check for continuity to ground: should be continuity.                                   | <ul style="list-style-type: none"><li>• Poor ground (L.H.Drive: G701) (R.H.Drive: G401, 402, 471).</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 (10 A) fuse.</li><li>• An open in the wire.</li></ul>  |
| 3   | GRN/WHT         | Shift lever position in P.   | Check for continuity to ground: should be continuity.                                   | <ul style="list-style-type: none"><li>• Faulty shift position console switch.</li><li>• Poor ground (G401, 402, 471).</li><li>• An open in the wire.</li></ul>          |
|     | GRN/RED         | Shift lever position in R.   |   |   |
|     | GRN             | Shift lever position in N.   |   |   |
|     | GRN/BLK         | Shift lever position in D.   |   |   |
|     | GRN/BLU         | Shift lever position in S.   |   |   |
|     | GRN/YEL         | Shift lever position in 2.   |   |   |
| 4   | RED/BLK and RED | Lighting switch ON and dashlight brightness control dial in full bright. | Check for voltage between RED/BLK (+) and RED (–) terminals: should be battery voltage. | <ul style="list-style-type: none"><li>• Faulty dashlight brightness control system.</li><li>• An open in the wire.</li></ul>  |
| 5   | LT GRN          | Ignition switch ON.  | Check for voltage to ground: should be about 5 V.                                       | <ul style="list-style-type: none"><li>• Faulty PGM-FI system (Fuel-injected engine) or PGM-CARB system (Carbureted engine).</li><li>• An open in the in wire.</li></ul> |

# Shift Lever Position Indicator

## Console Switch Test

1. Remove the front console, then disconnect the 10-P and 2-P connectors from the console switch.
2. Check for continuity between the terminals in each switch position according to the tables.



**Indicator Switch**

| Terminal Position | 1                     | 9                     | 8                     | 3                     | 10                    | 6                     | 7                     |
|-------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 2                 | <input type="radio"/> | <input type="radio"/> |                       |                       |                       |                       |                       |
| S                 | <input type="radio"/> |                       | <input type="radio"/> |                       |                       |                       |                       |
| D                 | <input type="radio"/> |                       |                       | <input type="radio"/> |                       |                       |                       |
| N                 | <input type="radio"/> |                       |                       |                       | <input type="radio"/> |                       |                       |
| R                 | <input type="radio"/> |                       |                       |                       |                       | <input type="radio"/> |                       |
| P                 | <input type="radio"/> |                       |                       |                       |                       |                       | <input type="radio"/> |

**Shift Position Switch  
(for cruise control)**

| 1                     | 2                     |
|-----------------------|-----------------------|
| <input type="radio"/> | <input type="radio"/> |
| <input type="radio"/> | <input type="radio"/> |
| <input type="radio"/> | <input type="radio"/> |
|                       |                       |
|                       |                       |
|                       |                       |

(Internal connection)

**Neutral Safety Switch**

| Terminal Position | 11                    | 12                    |
|-------------------|-----------------------|-----------------------|
| 2                 |                       |                       |
| S                 |                       |                       |
| D                 |                       |                       |
| N                 | <input type="radio"/> | <input type="radio"/> |
| R                 |                       |                       |
| P                 | <input type="radio"/> | <input type="radio"/> |

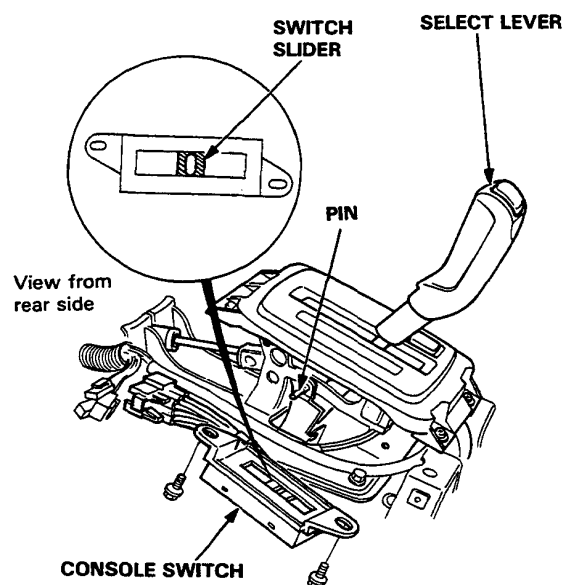
**Back-up Light Switch**

| 4                     | 5                     |
|-----------------------|-----------------------|
|                       |                       |
|                       |                       |
|                       |                       |
| <input type="radio"/> | <input type="radio"/> |
|                       |                       |



## Console Switch Replacement

1. Remove the front console, then disconnect the 10-P and 2-P connectors from the console switch.
2. Remove the 2 bolts to replace the console switch.

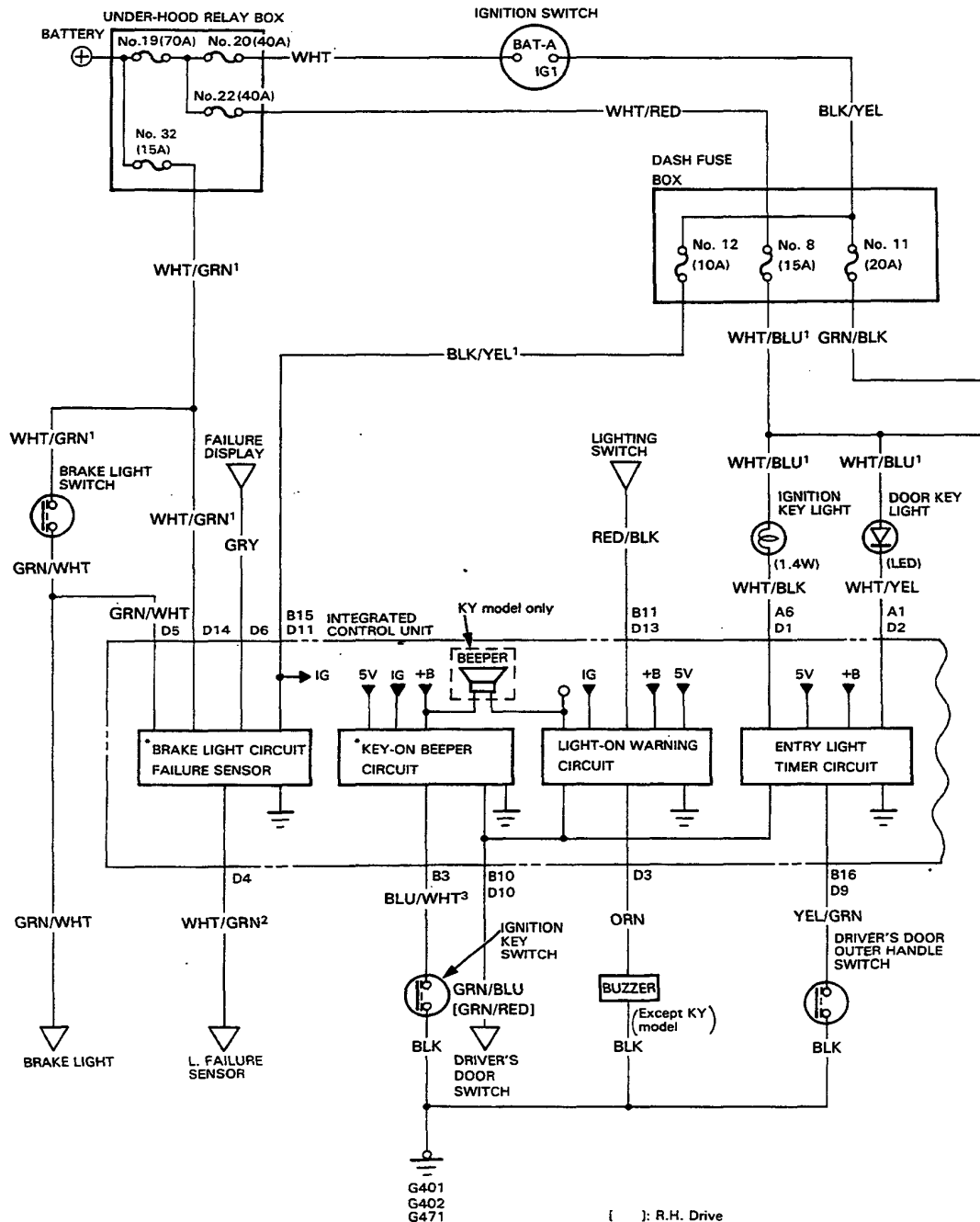


4. Position the switch slider to "Neutral" as shown above.
5. Shift the select lever to "Neutral", then slip the console switch into position.
6. Tighten the switch with the 2 bolts.

# Integrated Control Unit

## Circuit Diagram

NOTE: Several different wires have the same color. They have been given a number suffix to distinguish them (for example GRN/BLU<sup>1</sup> and GRN/BLU<sup>2</sup> are not the same).



[ ]: R.H. Drive

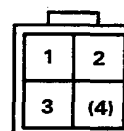
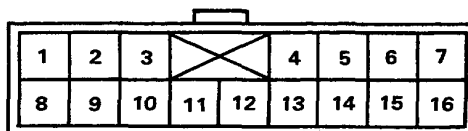
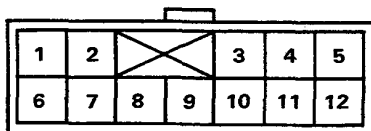


## Integrated Control Unit Terminals:

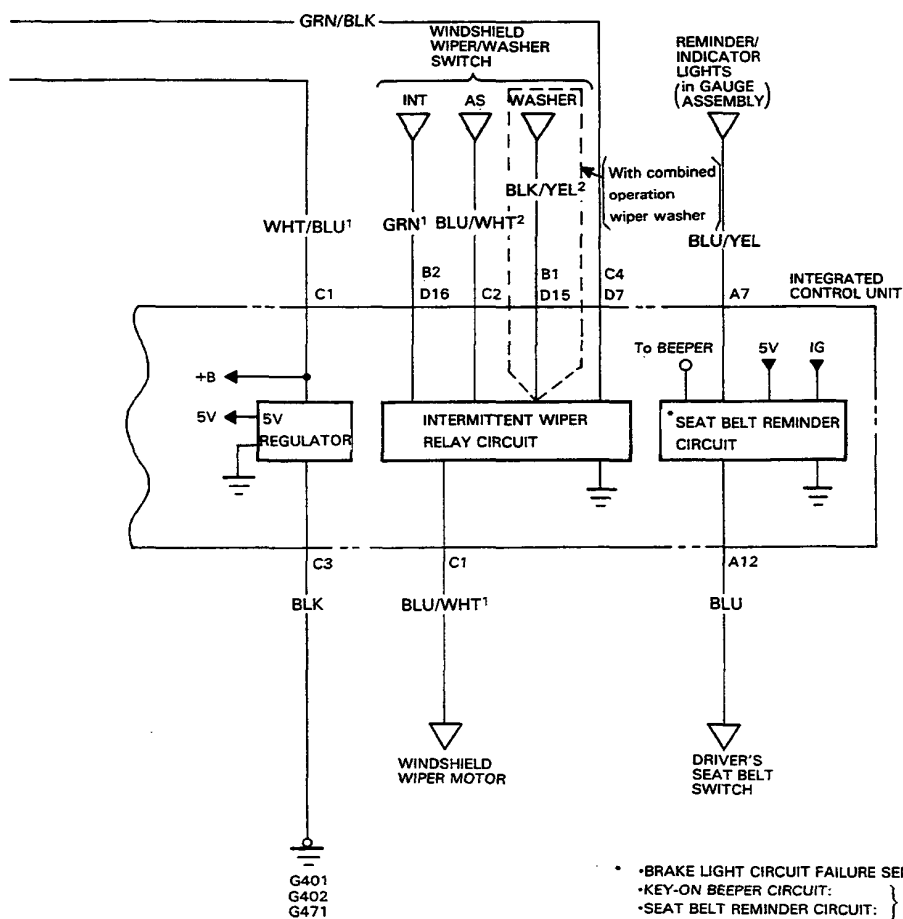
A terminal: KY model only

B terminal: KY model only  
D terminal: Except KY model

C terminal:



( ): KY model only





# Integrated Control Unit

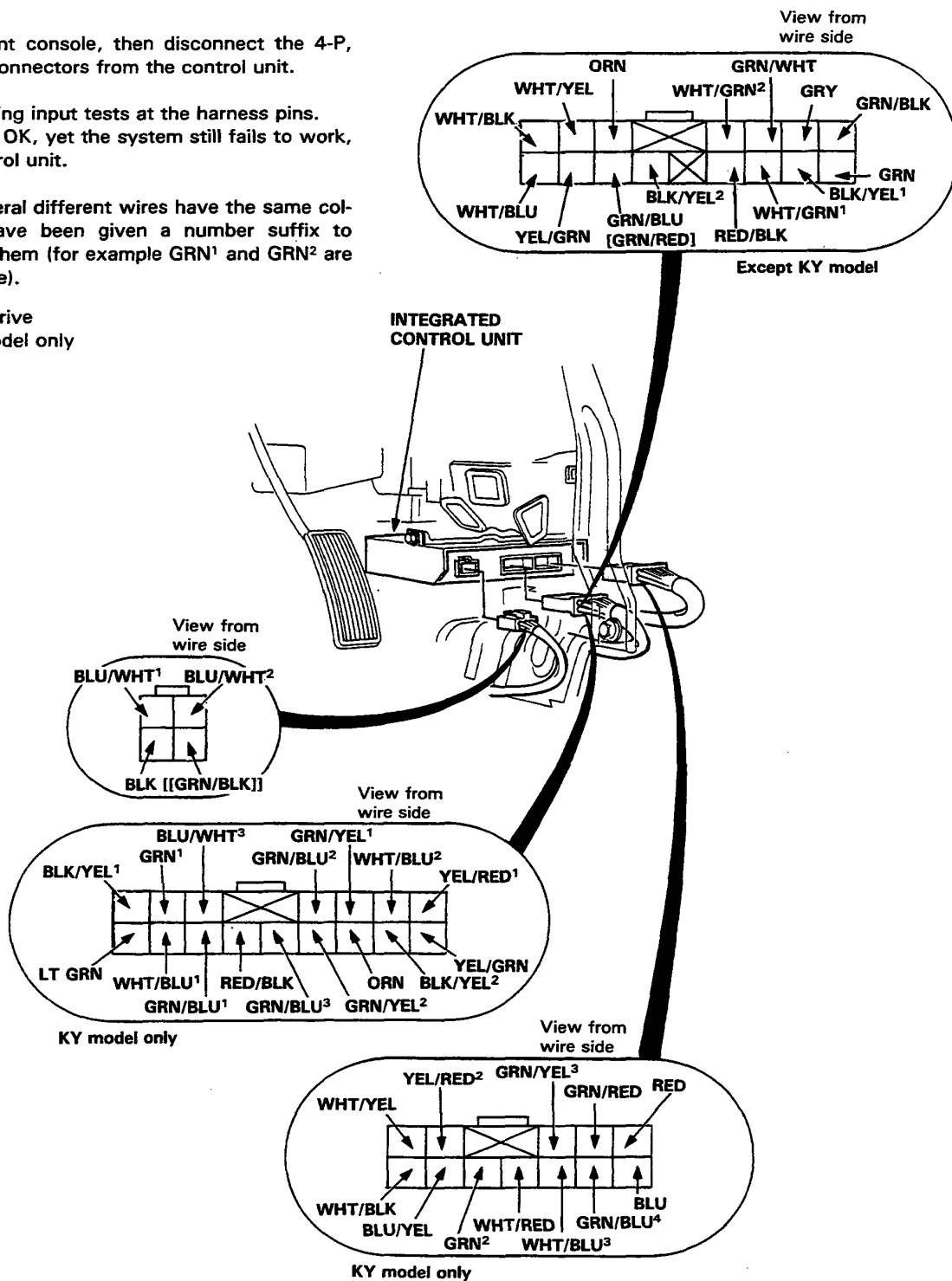
## Input Test

Remove the front console, then disconnect the 4-P, 12-P and 16-P connectors 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.

NOTE: Several different wires have the same color. They have been given a number suffix to distinguish them (for example GRN<sup>1</sup> and GRN<sup>2</sup> are not the same).

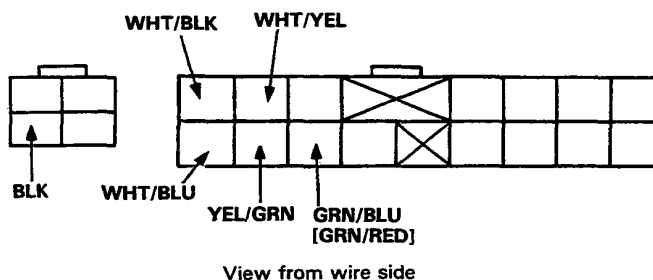
[ ]: R.H. Drive  
[[ ]]: KY model only



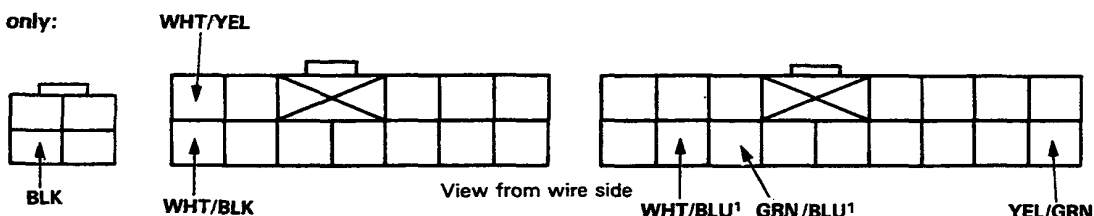


## Entry Light Timer System:

Except KY model:



KY model only:



| 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 (G401, 402, 471).</li> <li>• An open in the wire.</li> </ul>  |
| 2   | WHT/BLU<br>[[WHT/BLU¹]]              | Under all conditions.              | Check for voltage to ground: should be battery voltage.   | <ul style="list-style-type: none"> <li>• Blown No. 8 (15A) 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 (G401, 402, 471).</li> <li>• An open in the wire.</li> </ul> |
| 4   | WHT/BLK                              | Under all conditions.              | Attach to ground: Ignition key light should come on.  | <ul style="list-style-type: none"> <li>• Blown bulb or No. 8 (15A) fuse.</li> <li>• An open in the wire.</li> </ul>                                      |
| 5   | GRN/BLU<br>[[GRN/BLU¹]]<br>[GRN/RED] | Driver's door opened.              | Check for continuity to ground: should be continuity.<br>NOTE: Before testing, remove No. 8 (15A) fuse. | <ul style="list-style-type: none"> <li>• Faulty left door switch.</li> <li>• An open in the wire.</li> </ul>   |
| 6   | WHT/YEL                              | 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>   |

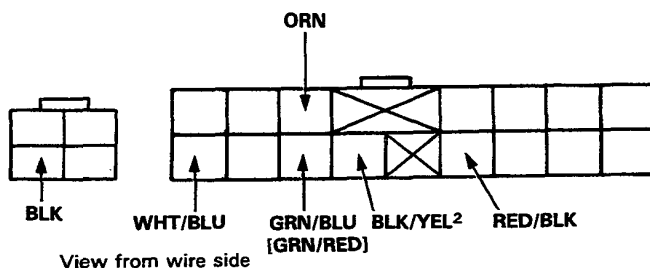
(cont'd)

# Integrated Control Unit

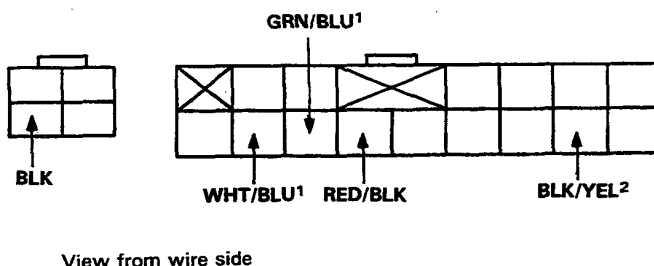
## Input Test (cont'd)

### Light-on Warning System:

Except KY model:



KY model only:

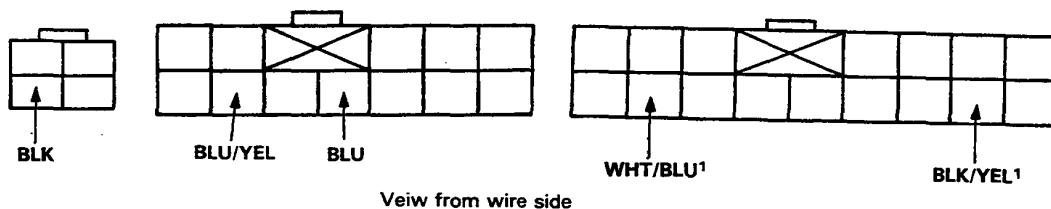


| No. | Wire                                 | Test condition                                    | Test: desired result  | Possible cause (if result is not obtained)   |
|-----|--------------------------------------|---|---|--|
| 1   | BLK                                  | Under all conditions.                             | Check for continuity to ground: should be continuity.   | <ul style="list-style-type: none"> <li>• Poor ground (G401, 402, 471).</li> <li>• An open in the wire.</li> </ul>                          |
| 2   | WHT/BLU<br>[[WHT/BLU¹]]              | Under all conditions.                             | Check for voltage to ground: should be battery voltage.   | <ul style="list-style-type: none"> <li>• Blown No. 8 (15A) fuse.</li> <li>• An open in the wire.</li> </ul>                                |
| 3   | BLK/YEL²                             | Ignition switch ON.                               | Check for voltage to ground: should be battery voltage.   | <ul style="list-style-type: none"> <li>• Blown No. 12 (10A) fuse.</li> <li>• An open in the wire.</li> </ul>                               |
| 4   | GRN/BLU<br>[[GRN/BLU¹]]<br>[GRN/RED] | Driver's door opened.                             | Check for continuity to ground: should be continuity.<br>NOTE: Before testing, remove No. 8 (15A) fuse. | <ul style="list-style-type: none"> <li>• Faulty left 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>• Faulty lighting system.</li> <li>• An open in the wire.</li> </ul>                                |
| 6   | ORN                                  | Connect the WHT/BLU terminal to the ORN terminal. | Check chime operation: Chime should activate each time the battery is connected.                        | <ul style="list-style-type: none"> <li>• Faulty chime.</li> <li>• Poor ground (G401, 402, 471).</li> <li>• An open in the wire.</li> </ul> |



## Seat Belt Reminder System:

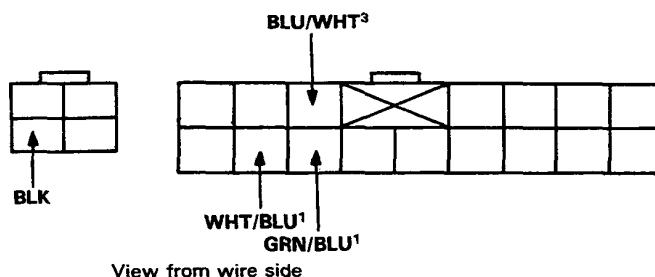
KY model only:



| 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 (G401, 402, 471).</li> <li>• An open in the wire.</li> </ul>                                     |
| 2   | BLK/YEL¹ | Ignition switch ON.             | Check for voltage to ground: should be battery voltage. | <ul style="list-style-type: none"> <li>• Blown No. 12 (10A) fuse.</li> <li>• An open in the wire.</li> </ul>  |
| 3   | WHT/BLU¹ | Under all conditions.           | Check for voltage to ground: should be battery voltage. | <ul style="list-style-type: none"> <li>• Blown No. 8 (15A) fuse.</li> <li>• An open in the wire.</li> </ul>   |
| 4   | BLU/YEL  | Ignition switch ON.             | Attach to ground: Reminder light should come on.        | <ul style="list-style-type: none"> <li>• An open in the wire.</li> </ul>  |
| 5   | 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 (G401, 402, 471).</li> <li>• An open in the wire.</li> </ul> |

## Key-on Warning System:

KY model only:



| 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 (G401, 402, 471).</li> <li>• An open in the wire.</li> </ul>  |
| 2   | WHT/BLU¹ | Under all conditions.                             | Check for voltage to ground: should be battery voltage.   | <ul style="list-style-type: none"> <li>• Blown No. 8 (15A) fuse.</li> <li>• An open in the wire.</li> </ul>  |
| 3   | GRN/BLU¹ | Driver's door opened.                             | Check for continuity to ground: should be continuity.<br>NOTE: Before testing, remove No. 8 (15A) fuse. | <ul style="list-style-type: none"> <li>• Faulty left door switch.</li> <li>• An open in the wire.</li> </ul>   |
| 4   | BLU/WHT³ | Ignition switch turned from "II" to "O" position. | Check for continuity to ground: should be continuity.   | <ul style="list-style-type: none"> <li>• Faulty ignition key switch.</li> <li>• Poor ground (G401, 402, 471).</li> <li>• An open in the wire.</li> </ul> |

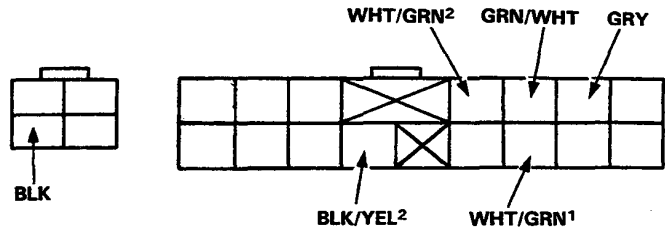
(cont'd)

# Integrated Control Unit

## Input Test (cont'd)

### Brake Light Circuit Failure System:

KG model only:



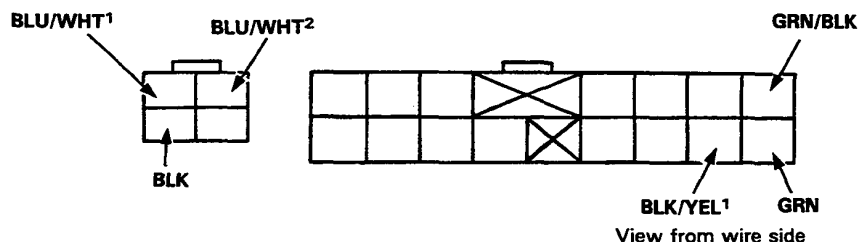
View from wire side

| 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 (G401, 402, 471).</li> <li>• An open in the wire.</li> </ul>   |
| 2   | WHT/GRN¹ | Under all conditions. | Check for voltage to ground: should be battery voltage.                             | <ul style="list-style-type: none"> <li>• Blown No. 32 (15A) fuse.</li> <li>• An open in the wire.</li> </ul>  |
| 3   | BLK/YEL² | Ignition switch ON.   | Check for voltage to ground: should be battery voltage.                             | <ul style="list-style-type: none"> <li>• Blown No. 12 (10A) fuse.</li> <li>• An open in the wire.</li> </ul>  |
| 4   | GRN/WHT  | Brake pedal pushed.   | Check for voltage to ground: should be battery voltage.                             | <ul style="list-style-type: none"> <li>• Blown No. 32 (15A) fuse.</li> <li>• Faulty brake light switch.</li> <li>• An open in the wire.</li> </ul>  |
| 5   | WHT/GRN² | Brake pedal pushed.   | Check for continuity to ground: should be continuity.                               | <ul style="list-style-type: none"> <li>• Blown No. 32 (15A) fuse.</li> <li>• Faulty brake light switch.</li> <li>• Blown brake light bulbs.</li> <li>• Faulty brake light failure sensors.</li> <li>• An open in the wire.</li> </ul> |
| 6   | GRY      | Ignition switch ON.   | Attach to ground: Brake light warning light in the safety indicator should come on. | <ul style="list-style-type: none"> <li>• Faulty safety indicator.</li> <li>• An open in the wire.</li> </ul>  |

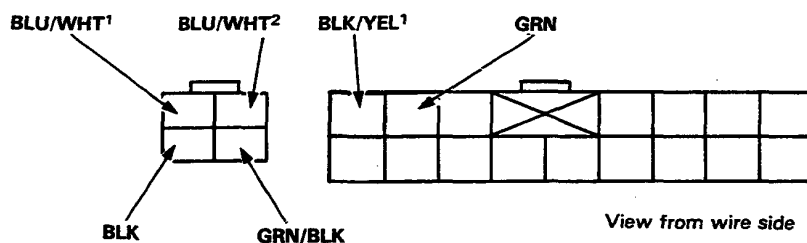


## Wiper System:

Except KY model:



KY model only:



| 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 (G401, 402, 471).</li><li>• An open in the wire.</li></ul>                            |
| 2        | BLU/WHT <sup>1</sup> and BLU/WHT <sup>2</sup> | Wiper switch OFF or INT and wiper blades in park position. | Check for continuity between the BLU/WHT <sup>1</sup> and BLU/WHT <sup>2</sup> terminals: should be continuity. | <ul style="list-style-type: none"><li>• Faulty wiper switch.</li><li>• Faulty wiper motor.</li><li>• An open in the wire.</li></ul>       |
| 3        | GRN/BLK                                       | Ignition switch ON   | Check for voltage to ground: should be battery voltage.   | <ul style="list-style-type: none"><li>• Blown No. 11 (20A) fuse.</li><li>• An open in the wire.</li></ul>                                 |
| 4        | GRN   | Ignition switch ON and wiper switch INT                    | Check for voltage to ground: should be battery voltage.   | <ul style="list-style-type: none"><li>• Faulty wiper switch.</li><li>• An open in the wire.</li></ul>                                     |
| 5        | BLK/YEL <sup>1</sup>                          | Ignition switch ON and washer switch ON                    | Check for voltage to ground: should be battery voltage.   | <ul style="list-style-type: none"><li>• Blown No. 11 (20A) fuse.</li><li>• Faulty washer switch.</li><li>• An open in the wire.</li></ul> |

## Seat Belt Reminder System

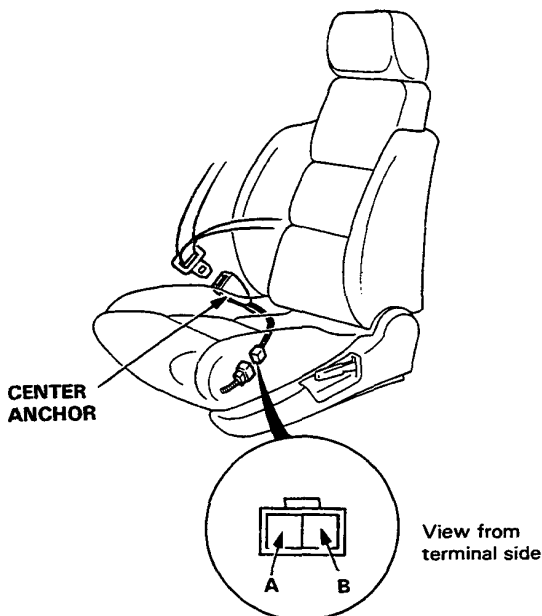
### Description

NOTE: Refer to page 16-106 for wiring description of the seat belt beeper/timer circuit.

With the ignition switch in "Run" or "Start", voltage is applied to the beeper/timer of the integrated control unit. When you unbuckle the driver's seat belt, the beeper/timer circuit senses ground. With voltage at the "B15 (D11)" terminal and ground at the "C3" terminal, the seat belt beeper sounds and the timer contacts close and open. This causes the seat belt reminder light to flash on and off. After 5 seconds the alarm stops and the contacts remain open.

### Seat Belt Switch Test

1. Slide the front seat forward until the seat belt center anchor bolt is accessible to disconnect the 2-P connector from the seat belt switch.
2. There should be continuity between the A and B terminals when the seat belt is not buckled. There should be no continuity when the seat belt is buckled.



## Oil Pressure Warning System

### Description

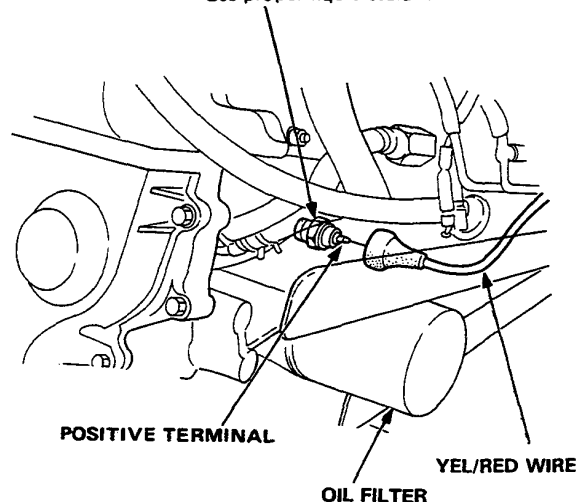
NOTE: Refer to page 16-82 for wiring description of the oil pressure warning circuit.

With the engine running and normal oil pressure, the oil pressure switch is open and the oil pressure warning light does not operate. If engine oil pressure falls below 29 kPa (0.3 kg/cm<sup>2</sup>, 4.3 psi), the oil pressure switch is close, current flows through the oil pressure warning light and the oil pressure switch to ground, and the oil pressure light goes on.

### Oil Pressure Switch Test

1. Remove the YEL/RED wire from the oil pressure switch.
2. There should be continuity between the positive terminal and the engine (ground) with the engine stopped. There should be no continuity when the engine runs.

**OIL PRESSURE SWITCH**  
18 N·m (1.8 kg·m, 13 lb·ft)  
1/8 in. BSP (British Standard  
Pipe Taper) 28 Threads/inch.  
Use proper liquid sealant.



3. If the switch fails to operate, check the engine oil level, then inspect the oil pump and pressure if the oil level is correct.