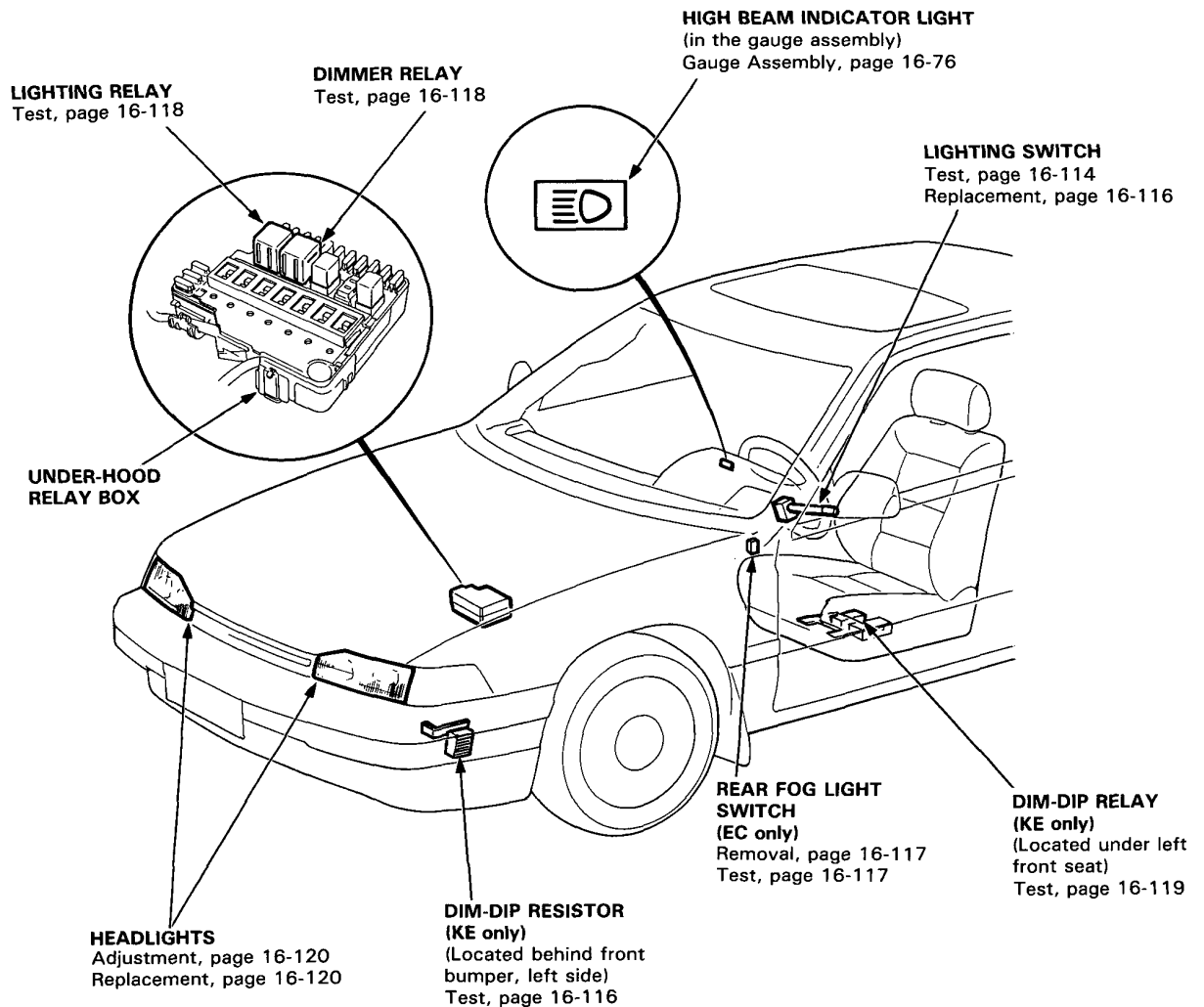
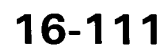
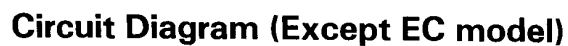


# Lighting System

## Component Location Index

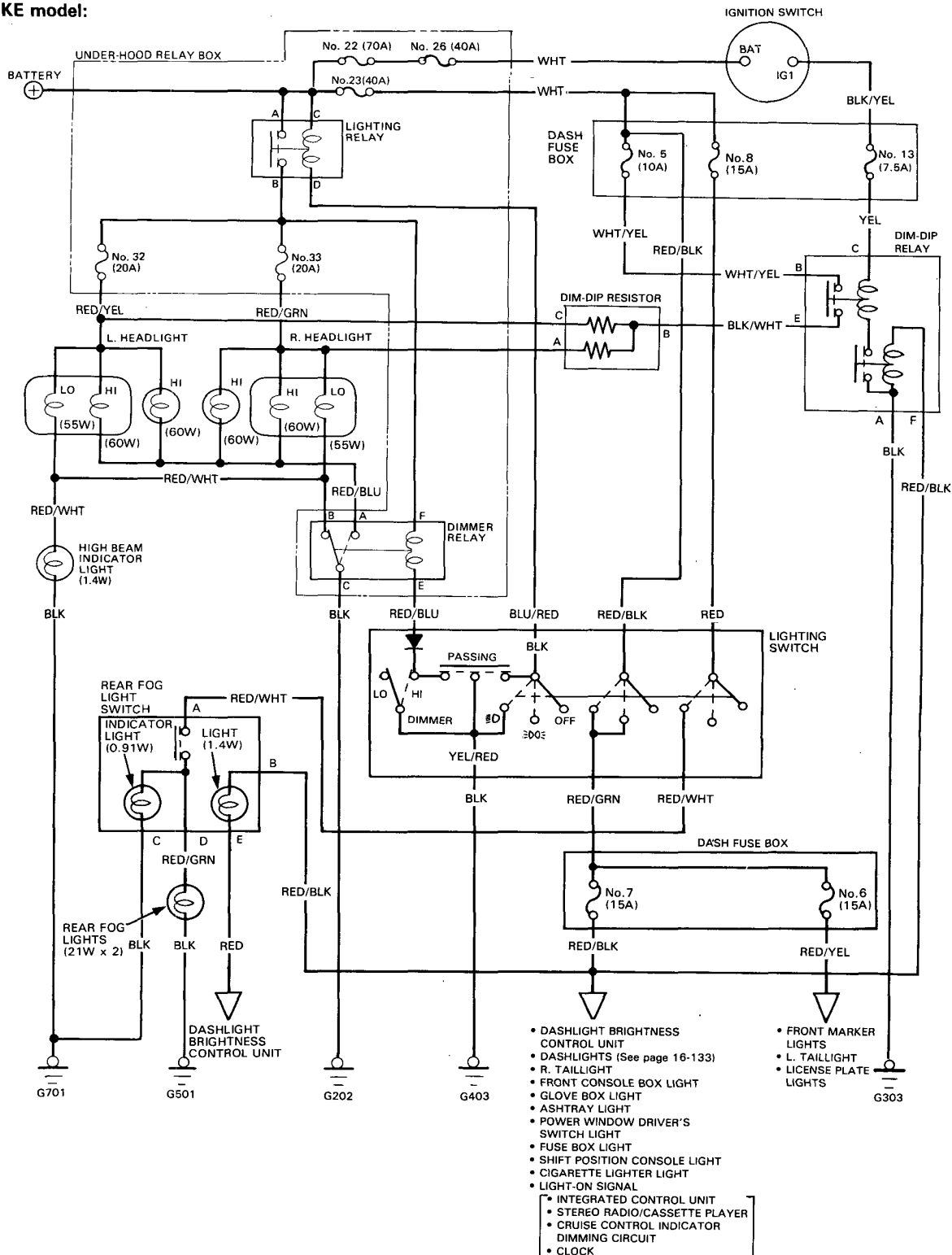




# Lighting System

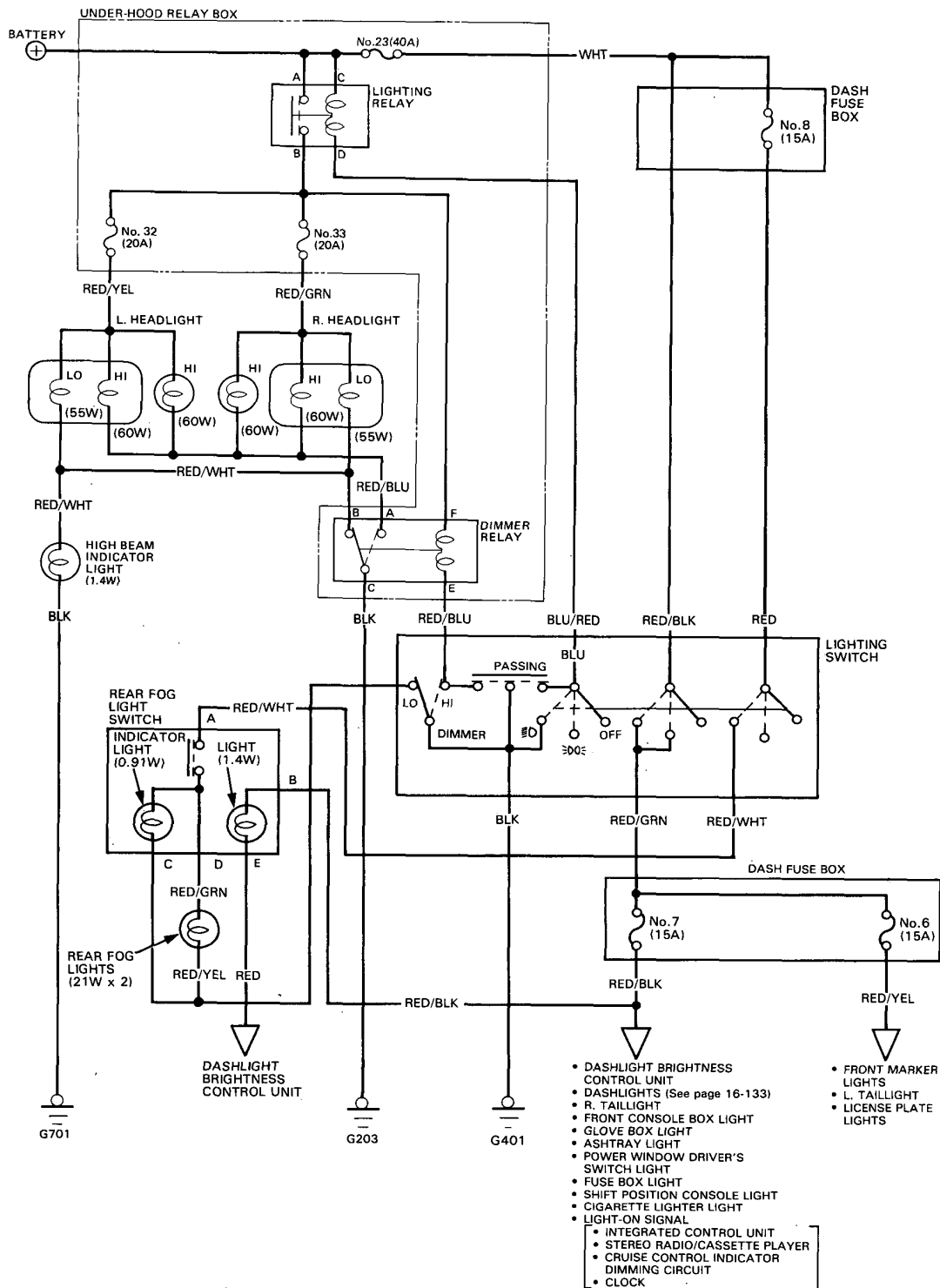
## Circuit Diagram (EC model)

KE model:





## Others:



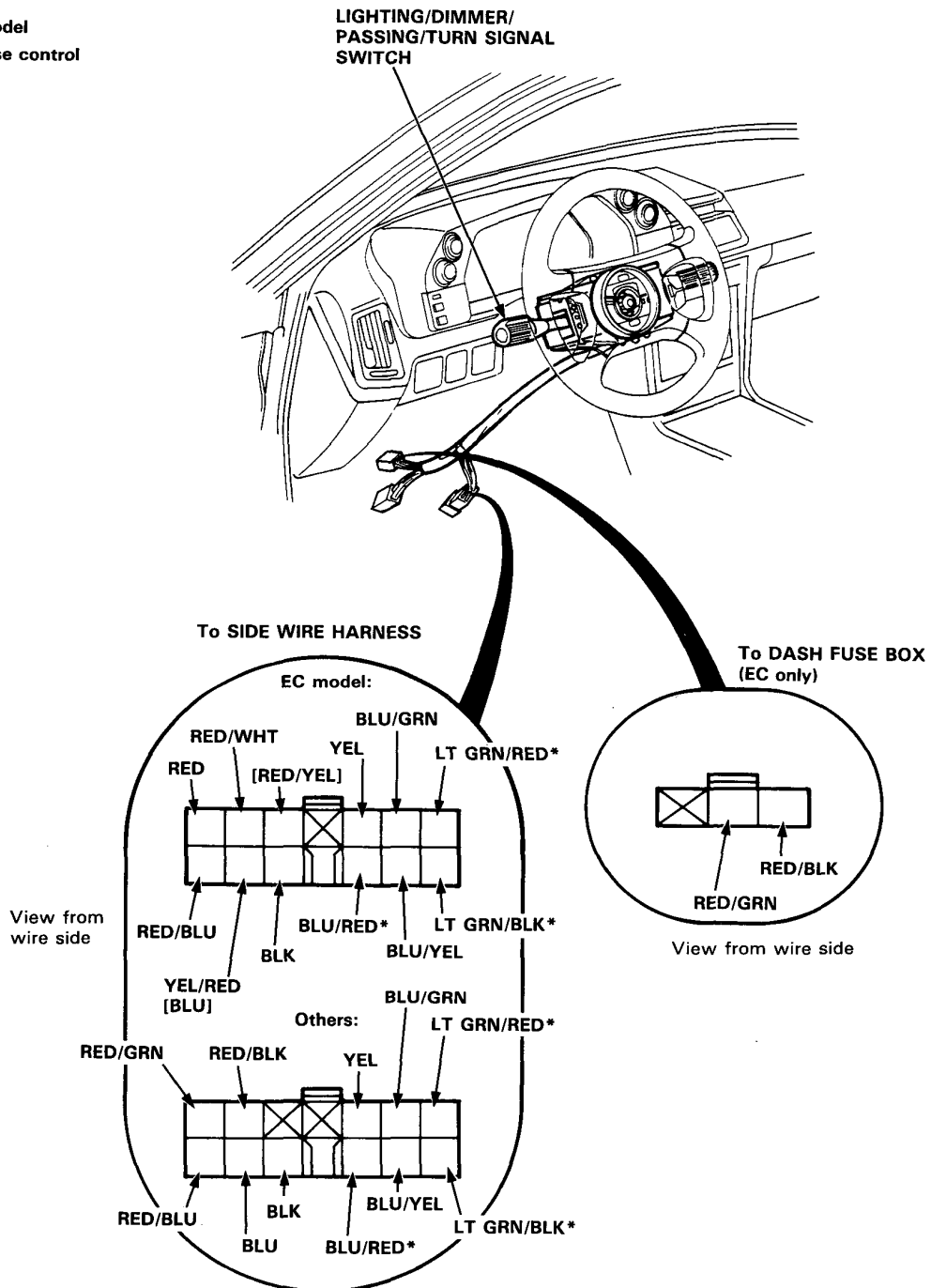
# Lighting System

## Lighting/Turn Signal Switch Test

1. Remove the dashboard lower panel and disconnect the 13-P connector from the side wire harness (and the 3-P connector from the dash fuse box for EC model).

[ ]: Except KE model

\*: Used for cruise control





2. Check for continuity between the terminals in each switch position according to the tables.

#### EC model:

##### Lighting Switch

[ ]: KE model

Terminal Position	RED/ GRN	RED/ BLK	RED	RED/ WHT	BLU [YEL/ RED]	BLK
OFF						
⊖ ⊕	○ — ○					
⊖ ⊕	○ — ○		○ — ○		○ — ○	

##### Passing Switch

[ ]: KE model

Terminal Position	RED/ BLU	DIODE (KE only)	BLK	BLU [YEL/ RED]
OFF				
ON	○ —	▶	○ —	○ —

(Internal connections)

##### Dimmer Switch

Terminal Position	BLK	DIODE (KE only)	RED/ BLU	RED/YEL (EC only)
LOW	○ —			○ —
HIGH	○ —	◀	○ —	

(Internal connections)

##### Turn Signal Switch

Terminal Position	YEL		BLU/GRN	BLU/YEL
R	○ —	▶		○ —
NEUTRAL				
L	○ —	▶		○ —

#### Others:

##### Lighting Switch

Terminal Position	RED/GRN	RED/BLK	BLU	BLK
OFF				
•	○ — ○			
•	○ — ○		○ — ○	○ — ○

##### Passing Switch

Terminal Position	RED/BLU	BLK	BLU
OFF			
ON	○ —	○ —	○ —

(Internal connections)

##### Dimmer Switch

Terminal Position	BLK	RED/BLU
LOW		
HIGH	○ —	○ —

(Internal connections)

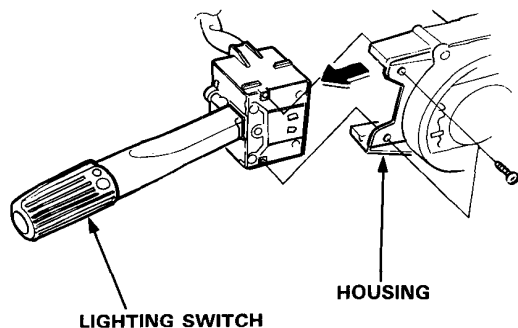
##### Turn Signal Switch

Terminal Position	YEL		BLU/GRN	BLU/YEL
R	○ —	▶		○ —
NEUTRAL				
L	○ —	▶		○ —

# Lighting System

## Lighting Switch Replacement

1. Remove the dashboard lower panel and disconnect the 13-P connector from the side wire harness (and the 3-P connector from the dash fuse box for EC model).
2. Remove the steering wheel, then remove the lower and upper covers from the steering column.
3. Disconnect the 3-P connector from the slip ring.
4. Remove the 2 screws and slide the lighting switch out of the housing as shown.



## Dim-Dip Resistor Test

**CAUTION:** Dim-Dip resistor becomes very hot in use of Dim-Dip headlights; do not touch it or the attaching hardware immediately after they have been turned off.

1. Remove the inner fender of the left front wheel house to disconnect the 3-P connector from the resistor.
2. Using an ohmmeter, measure resistance between the terminals. Replace the resistor if the resistance is not within specifications.

**NOTE:** Resistance will vary with the resistor temperature; specifications are at 20°C (70°F).

### L. Headlight Resistance

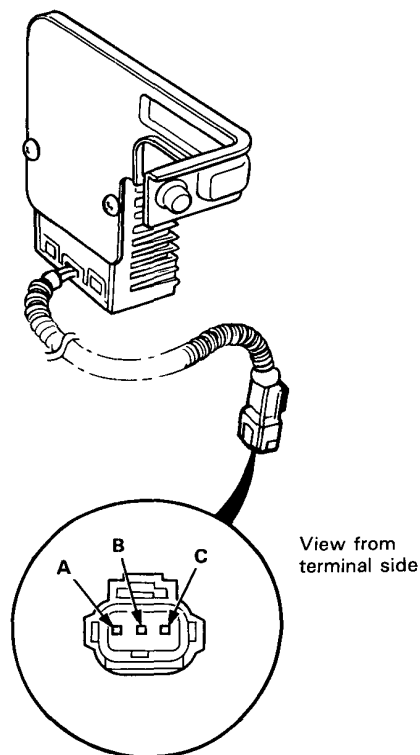
(between the C and B terminals):

1.9–2.1 ohms

### R. Headlight Resistance

(between the A and B terminals):

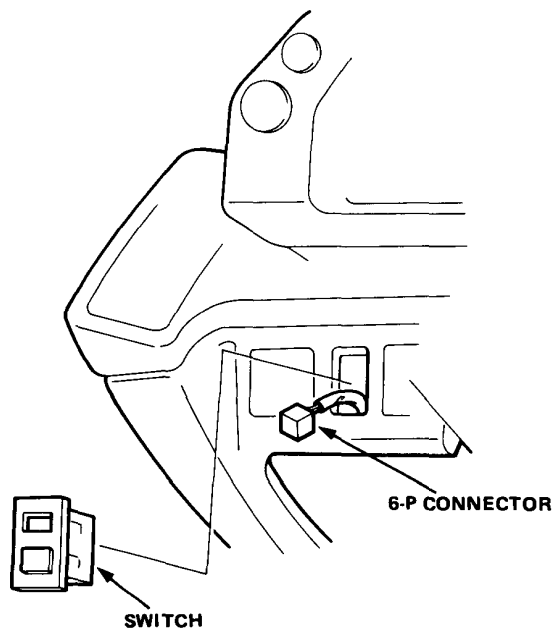
1.9–2.1 ohms



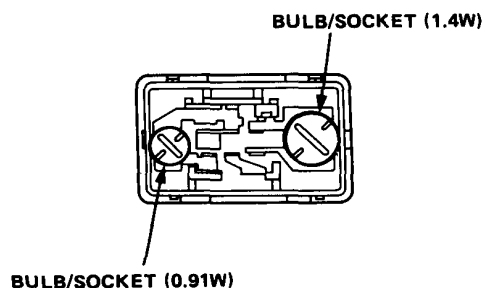


## Rear Fog Light Switch Removal

1. Remove the dashboard lower panel.
2. Push the switch from behind the instrument panel, then disconnect the 6-P connector to remove the switch.



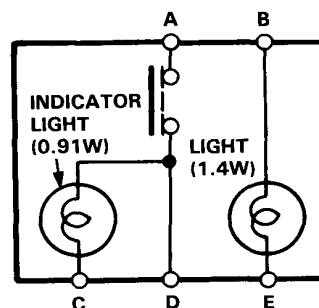
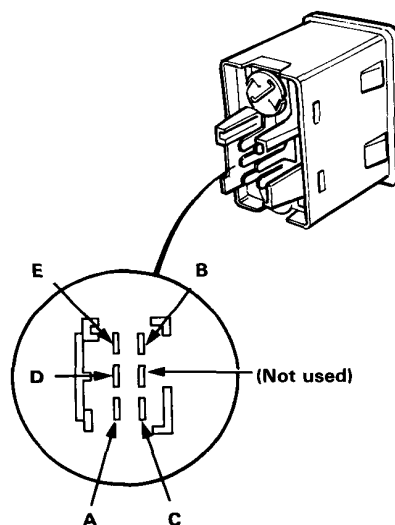
3. Turn the socket 45° counterclockwise to remove it.



## Rear Fog Light Switch Test

1. Remove the rear fog light switch from the instrument panel.
2. Check for continuity between the terminals in each switch position according to the table.

Terminal Position	A	B		C	B		E
OFF		○	○	○	○	○	○
ON	○	○	○	○	○	○	○

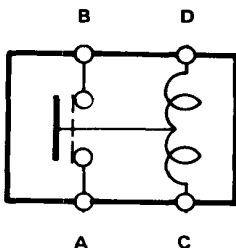
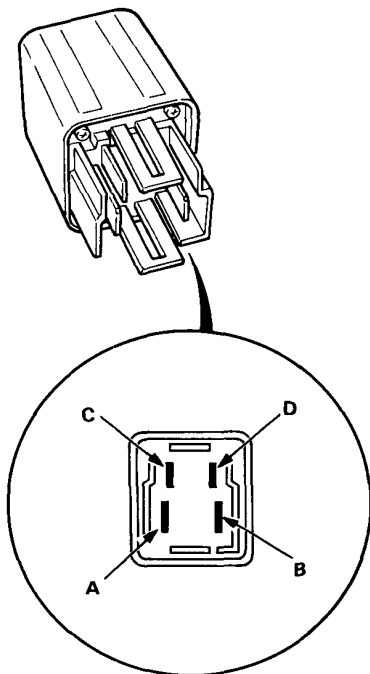




# Lighting System

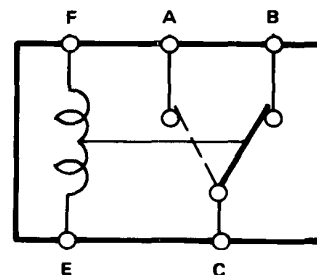
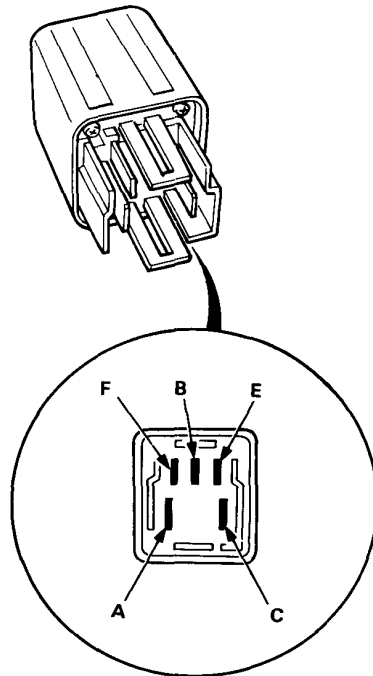
## Lighting Relay Test

1. Remove the lighting relay in the under-hood relay box.
2. There should be continuity between the A and B terminals when the battery is connected to the C and D terminals.  
There should be no continuity when the battery is disconnected.



## Dimmer Relay Test

1. Remove the dimmer relay in the under-hood relay box.
2. There should be continuity between the A and C terminals when the battery is connected to the E and F terminals.  
There should be no continuity when the battery is disconnected.

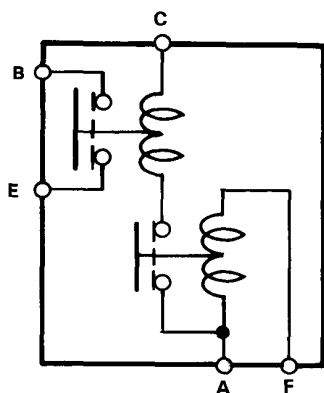
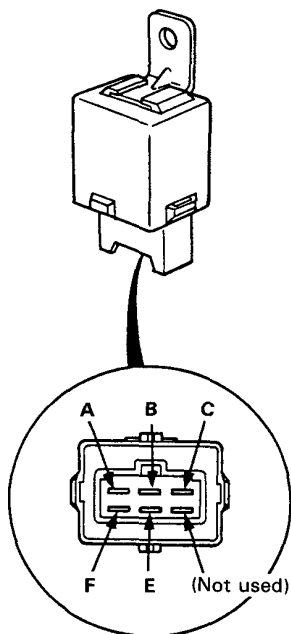




## Brake Lights

### Dim-Dip Relay Test

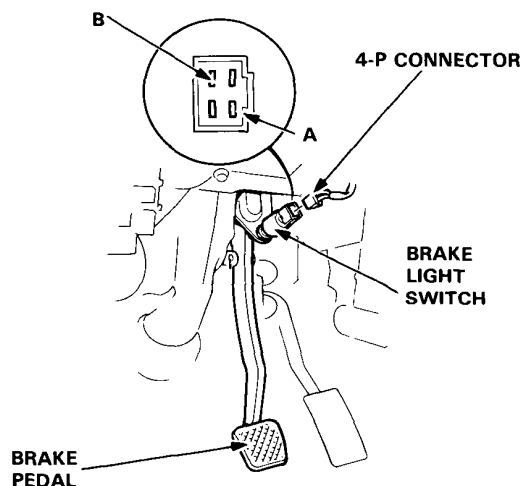
1. Remove the Dim-Dip relay located under the left front seat.
2. There should be continuity between the B and E terminals with battery positive connected to the C and F terminals, connect negative to the A terminal. There should be no continuity between the B and E terminals when the battery is disconnected.



### Test

NOTE: Refer to page 16-86 for wiring description of the brake light circuit.

1. Test brake light switch by pushing the brake pedal.
2. If the brake lights do not go on, check the No. 31 (20 A) fuse in the under-hood relay box, and the brake light bulbs in the taillight assembly.
3. If the fuse and bulbs are OK, disconnect the 4-P connector from the brake light switch.



4. Check for continuity between the A and B terminals. There should be continuity with the brake pedal pushed.
  - If no continuity, replace the switch or adjust pedal height (see section 13).
  - If there is continuity, but the brake lights do not go on:
    - Poor ground.
    - (KG model: G503, Others: G501)
    - An open in the WHT/GRN or GRN/WHT wire.
    - Faulty brake light failure sensors (see page 16-92).