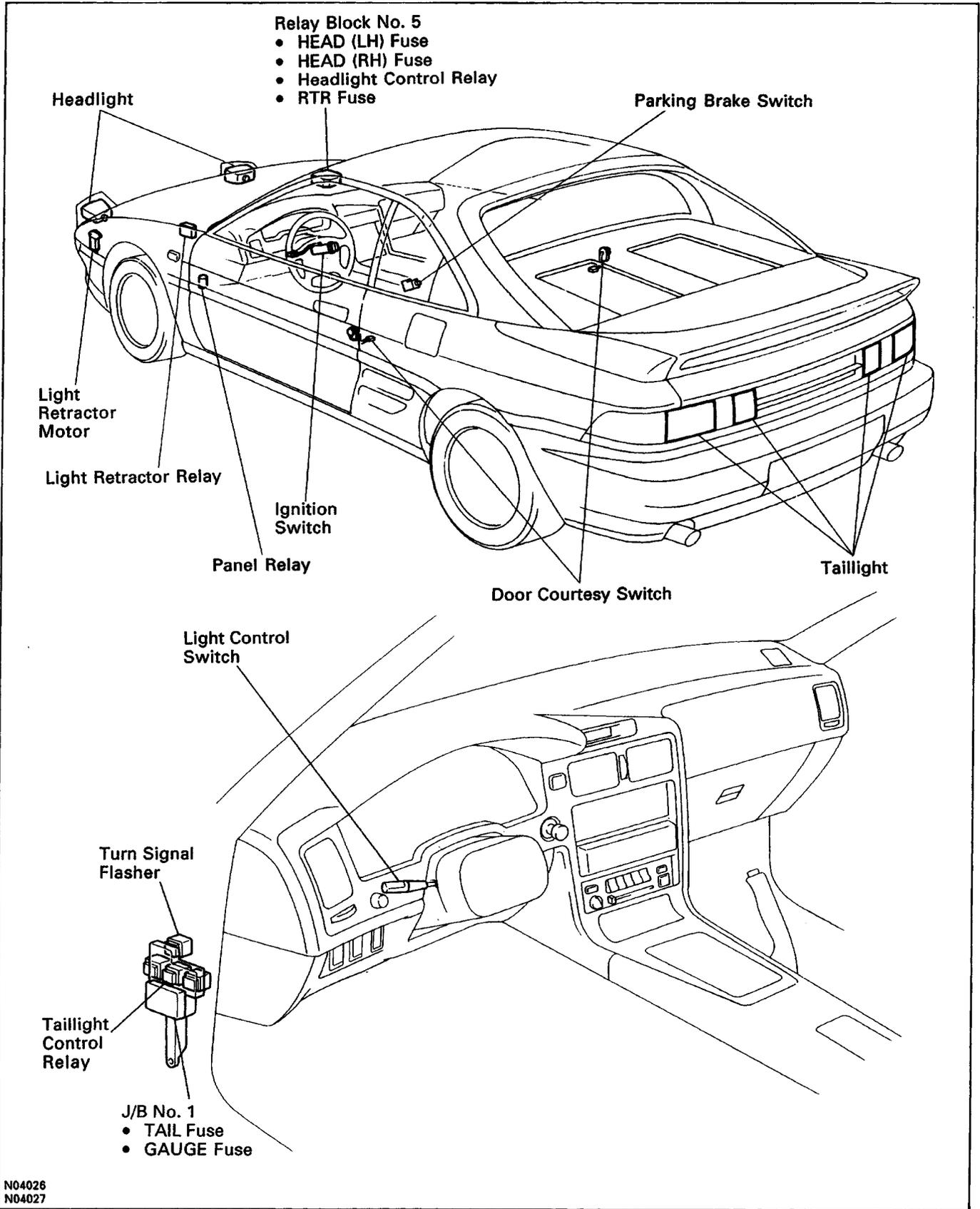
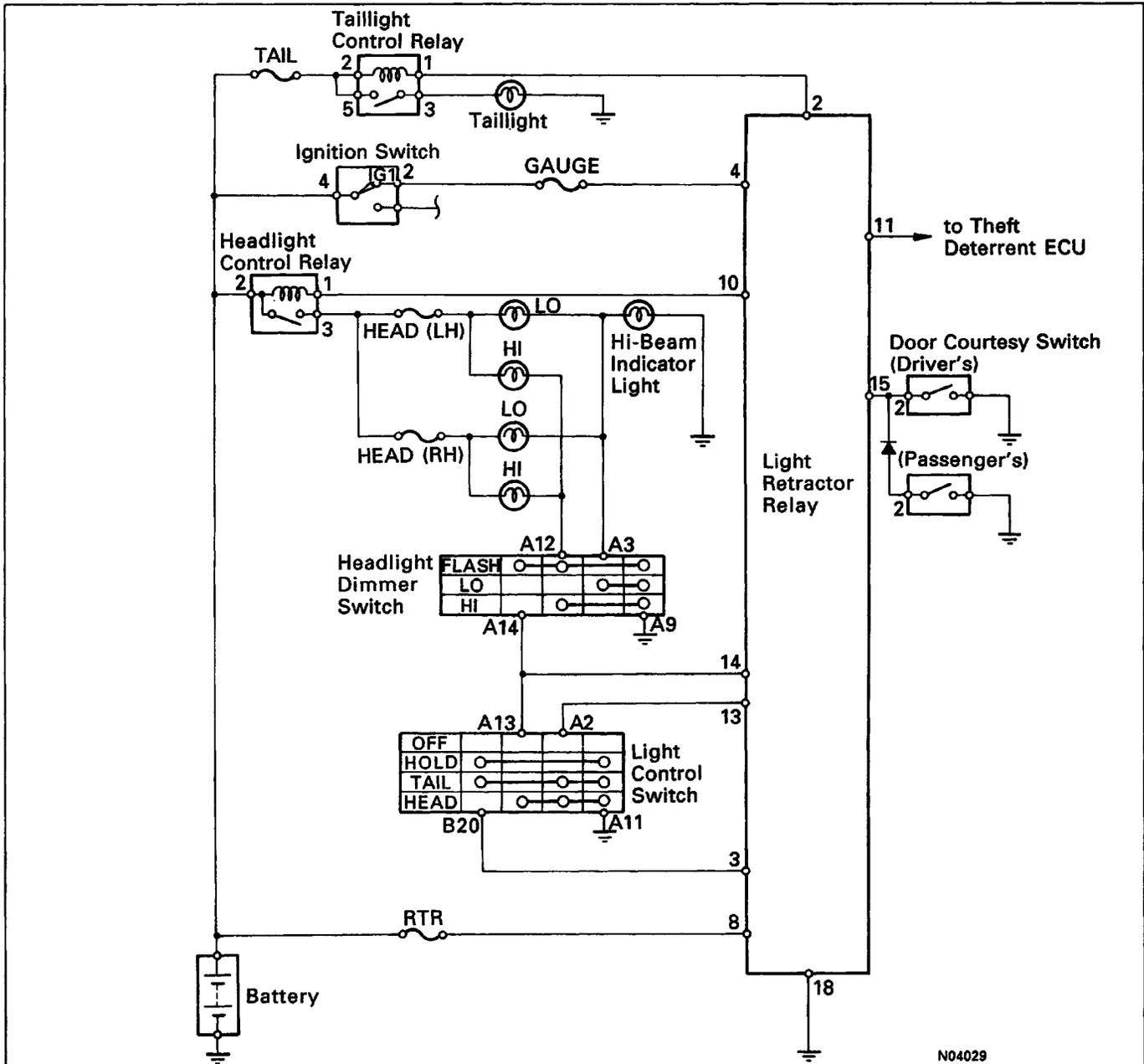


# HEADLIGHT AND TAILLIGHT SYSTEM

## PARTS LOCATION



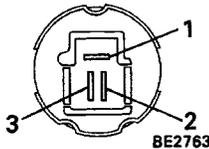
# WIRING AND CONNECTOR DIAGRAMS (USA)



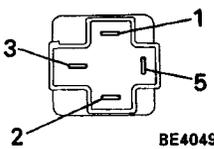
N04029

The POWER SOURCE CIRCUIT has been simplified. For full details, see page BE-9.

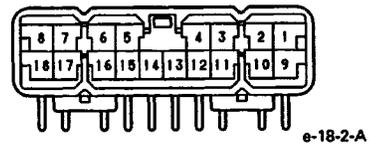
Headlight Control Relay



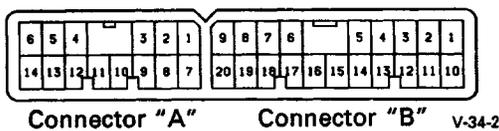
Taillight Control Relay



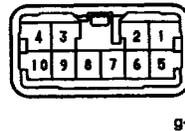
Light Retractor Relay



Light Control Switch, Headlight Dimmer Switch



Ignition Switch

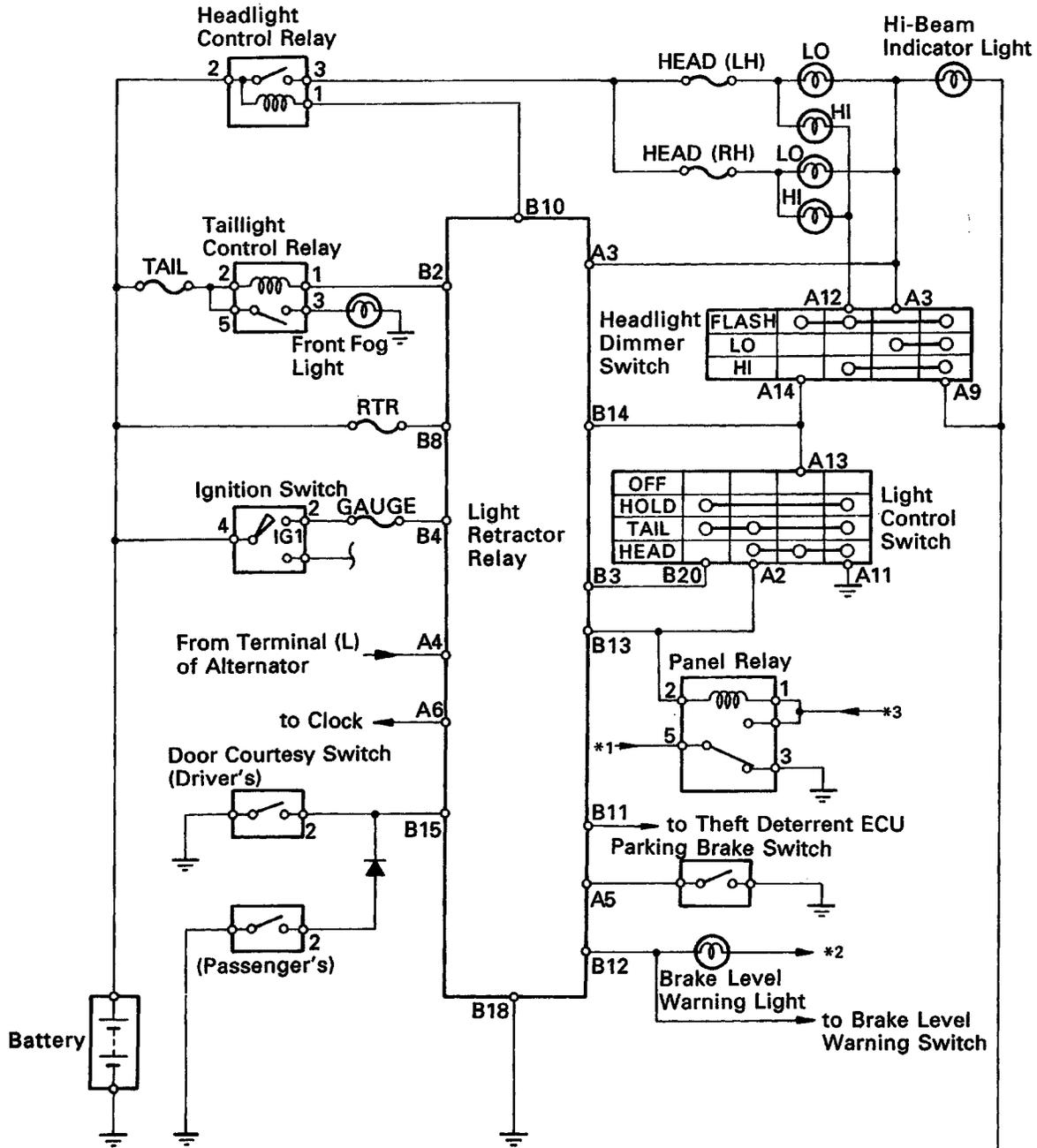


Door Courtesy Switch



(CANADA)

Daytime Running Light System



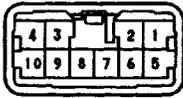
N04031

- \*1 Front Indicator Lights (Light Control Switch: TAIL or HEAD) to Illumination (Light Control Switch: OFF)
- \*2 from GAUGE Fuse
- \*3 from Terminal 3 of Taillight Control Relay

The POWER SOURCE CIRCUIT has been simplified. For full details, see page BE-9.

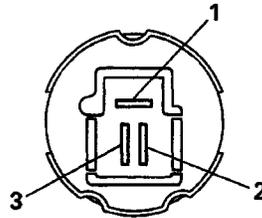
# CONNECTOR DIAGRAMS

Ignition Switch



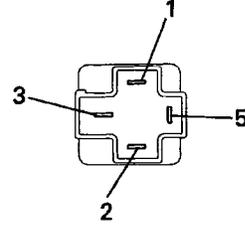
g-10-2-B

Headlight Control Relay



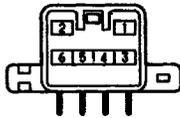
BE2763

Taillight Control Relay



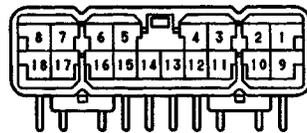
BE4049

Light Retractor Relay



Connector "A"

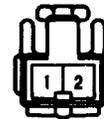
e-6-2-A



Connector "B"

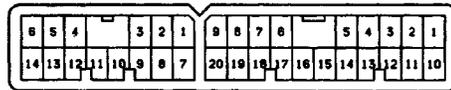
e-18-2-A

Door Courtesy Switch



e-2-1-G

Light Control Switch, Headlight Dimmer Switch

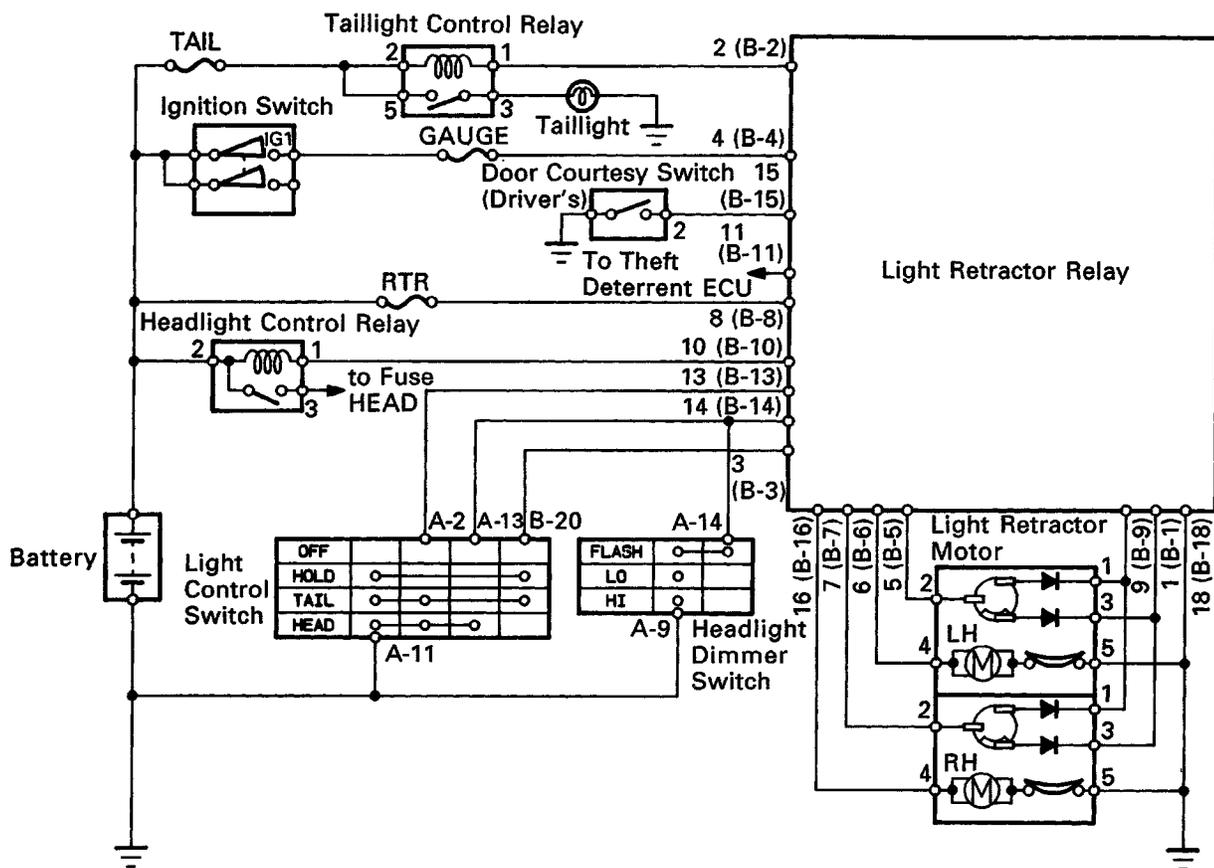


Connector "A"

Connector "B"

V-34-2

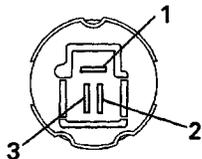
**LIGHT RETRACTABLE SYSTEM**



BE5234

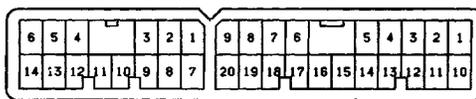
The terminals indicated in brackets ( ) are for CANADA models.  
 The POWER SOURCE CIRCUIT has been simplified. For full details, see page BE-9.

Headlight Control Relay



BE2763

Light Control Switch, Headlight Dimmer Switch



Connector "A"

Connector "B"

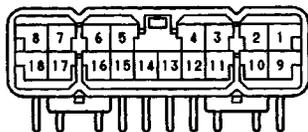
V-34-2

Light Retractor Motor



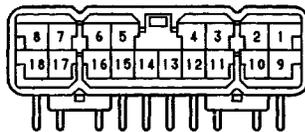
IJ-5-2-A

Light Retractor Relay



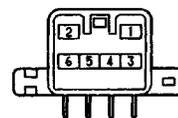
(USA)

e-18-2-A



Connector "B"  
(CANADA)

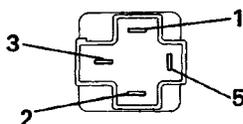
e-18-2-A



Connector "A"

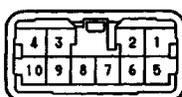
e-6-2-A

Taillight Control Relay



BE4049

Ignition Switch



g-10-2-B

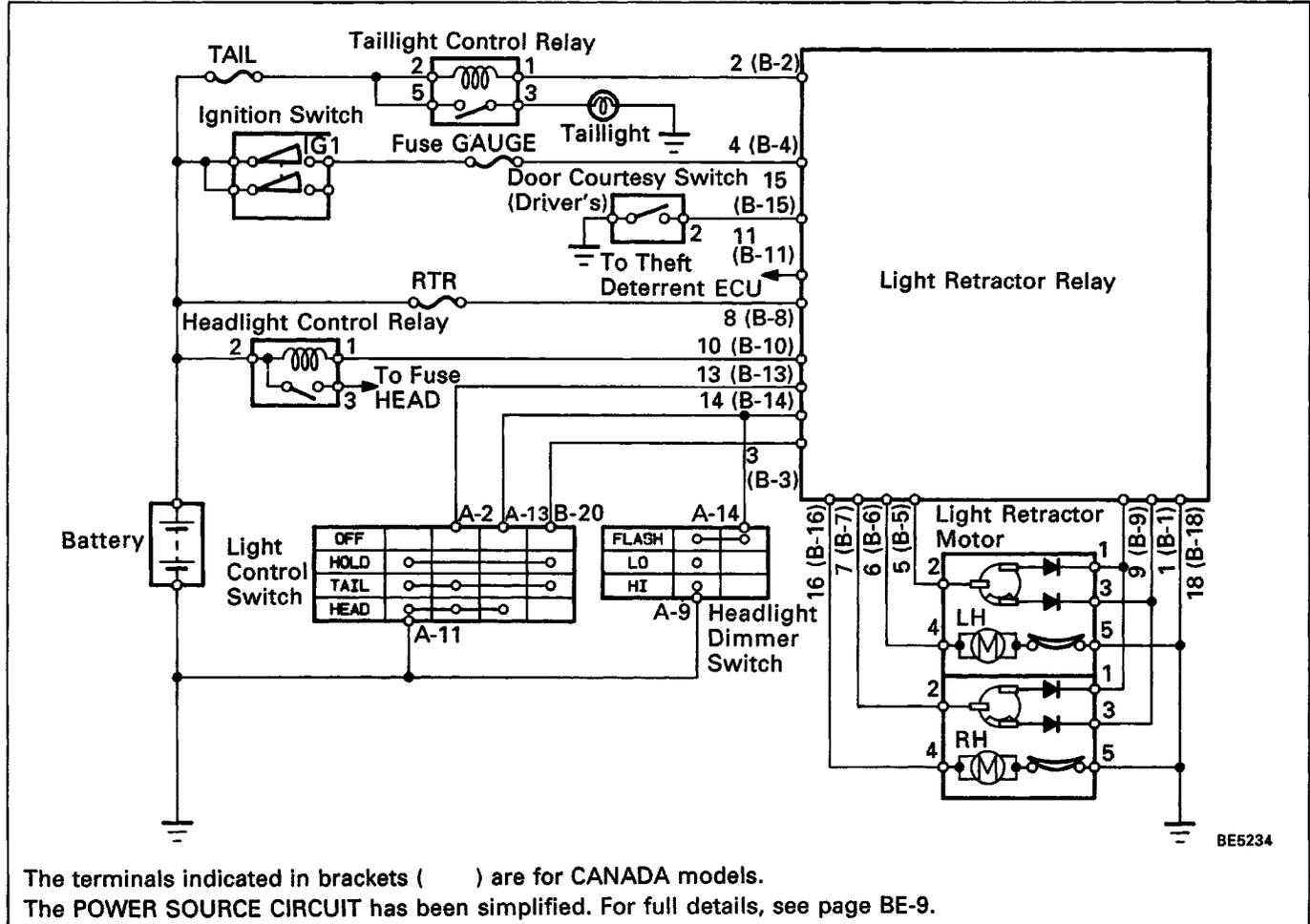
Door Courtesy Switch



e-2-1-G

## SYSTEM DESCRIPTION

### LIGHT RETRACTABLE SYSTEM



- Current flows from the battery to terminal 8 (B-8) of the light retractor relay.
  - Battery voltage is applied to terminal 5 (B-5) and 7 (B-7) of the light retractor relay.
- Operation examples of the switch are shown below;  
HINT: The numbers in [ ] are for the left side headlight.

#### 1. LIGHT CONTROL SWITCH IN "TAIL"

When the switch is set continuity is produced between terminal 13 (B-13) of the light retractor relay (hereafter called LRR) and the body ground. Also, because continuity is produced between terminal 2 (B-2) of the LRR and the body ground, the taillight control relay (hereafter called TCR) is turned on. Then the taillights light up.

#### 2. LIGHT CONTROL SWITCH IN "HEAD"

When the switch is set continuity is produced between terminal 13 (B-13) of the LRR and the body-ground, and 14 (B-14) of the LRR and the body ground of the LRR.

- Also continuity is produced between terminals 9 (B-9) and 18 (B-18) of the LRR. Then the LRR operates to lead current from terminal 8 → terminal 16 (B-16) [6 (B-6)] of the LRR → terminal 4 of the light retractor motor → terminal 5 of the motor → the body ground, and the motor starts, to run in order to raise the headlights.

When the headlights rise, the limit switch operates, so that continuity is broken between terminals 2 and 1 of the motor, and continuity is produced between terminals 2 and 3. As a result, because the LRR is interrupted, the headlights stay in position.

- Also, because continuity is produced between terminal 2 (B-2) of the LRR and the body ground, and 10 (B-10) of the LRR and the body ground, the TCR and the headlight control relay (hereafter called HCR) are turned on.

Then the taillights and the headlights light up.

### **3. LIGHT CONTROL SWITCH CHANGED FROM "HEAD" TO "TAIL"**

When the switch is set continuity is broken between terminal 14 (B-14) of the LRR and the body ground, and continuity is produced between terminal 3 (B-3) of the LRR and body ground.

- As a result, the headlights are kept in position.
- By breaking continuity between terminal 14 (B-14) of the LRR and the body ground, continuity is broken between terminal 10 (B-10) and the body ground.

Then the headlights go out.

### **4. LIGHT CONTROL SWITCH CHANGED FROM "TAIL" TO "HOLD"**

When the switch is set, continuity is broken between terminal 13 (B-13) of the LRR and the bodyground. Also, because continuity is broken between terminal 2 (B-2) of the LRR and the bodyground, the TCR is turned off.

Then the taillights go out.

The headlights are kept in position, because continuity is kept between terminal 3 (B-3) of the LRR and the body ground.

### **5. LIGHT CONTROL SWITCH CHANGED FROM "HOLD" TO "OFF"**

When the switch is set, continuity is broken between terminal 3 (B-3) of the LRR and the body ground, so that continuity is produced between terminal 1 (B-1) and 18 (B-18) of the LRR.

Then the LRR operates so that the current flows from terminal 8 (B-8)→ terminal 16 (B-16) [6 (B-6)] of the LRR→terminal 4 of the light retractor motor → terminal 5 of the motor→ the body ground, and the motor starts to run in order to retract the headlights.

When the headlights are retracted, the limit switch operates, so that continuity is broken between terminals 2 and 3 of the motor, and continuity is proceeded between terminals 2 and 1.

As a result, because the LRR is interrupted, the headlights stay in position.

### **6. IGNITION SWITCH TURNED FROM "ON" TO "ACC" OR "LOCK" AND DRIVER'S DOOR OPEN WITH LIGHT CONTROL SWITCH IN "HEAD" (Light Auto Turn Off system)**

When the switches are set, current does not flow from the battery to terminal 4 (B-4) of the LRR, and continuity is produced between terminal 15 (B-15) of the LRR and the body ground. Also because continuity is broken between terminals 2 (B-2) of the LRR and the body ground, and 10 (B-10) of the LRR and the body ground, the TCR and the HCR –are turned off.

Then the taillights and the headlights go out.

Also with the light control switch in "TAIL", the taillights go out.

When the ignition switch is turned on again, the taillights and headlights light normally.

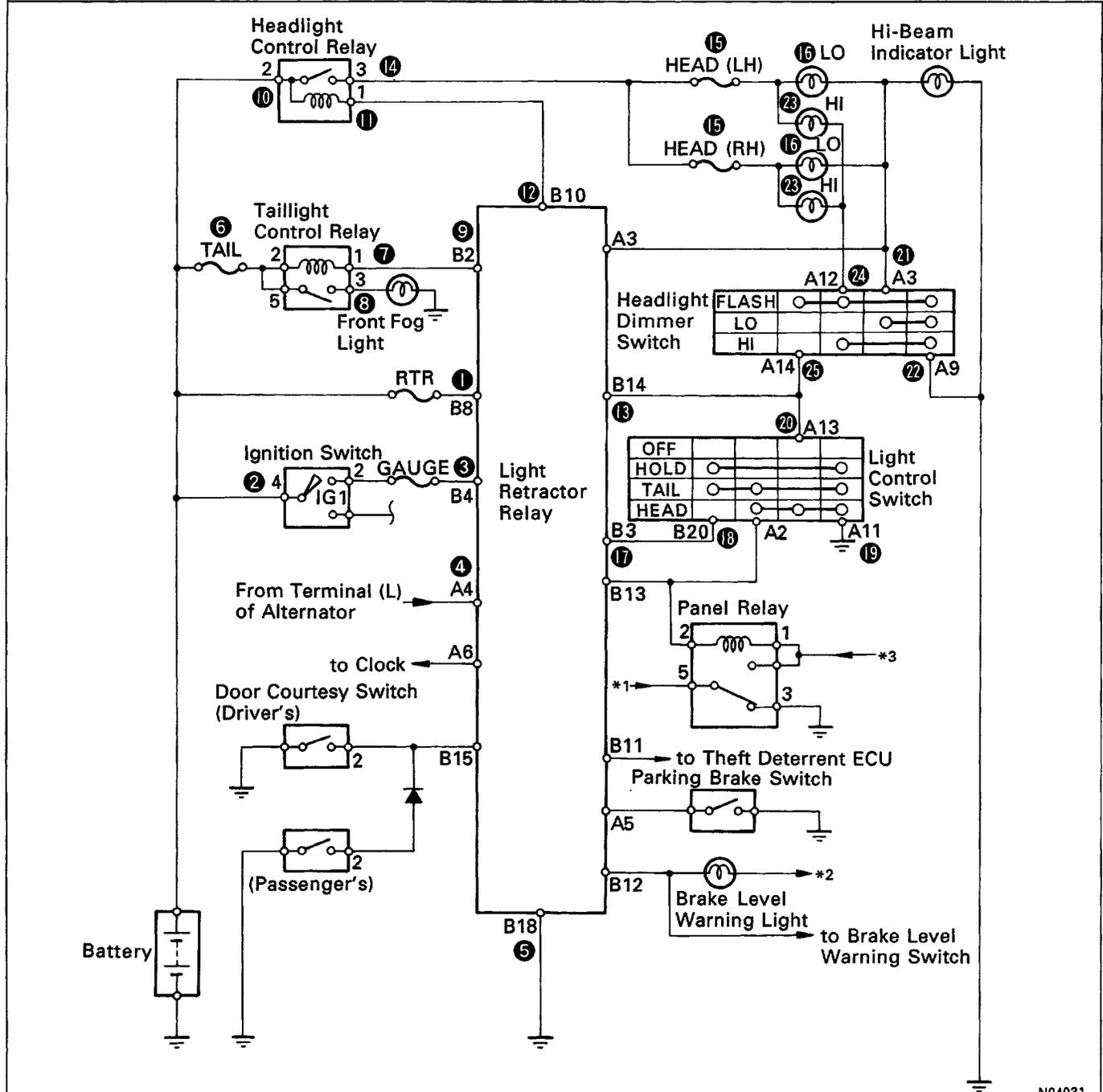
During light auto turn off operation, if the light switch is turned first to "HOLD" or "OFF", then turned to "TAIL" or "HEAD", both sets of lights will come on again.

## DAYTIME RUNNING LIGHT SYSTEM

The Daytime Running Light (DRL) system is activated when engine is started (However, if the parking brake lever is engaged when the engine is started, the DRL will not light up after the engine has started. Once the parking brake is released, the DRL will then light up and will remain on regardless of operation of the parking brake lever).

The DRL remain on until the ignition switch is turned off.

(CANADA)



N04031

- \*1 Front Indicator Lights (Light Control Switch: TAIL or HEAD to Illumination (Light Control Switch: OFF)
- \*2 from GAUGE Fuse
- \*3 from Terminal 3 of Taillight Control Relay

The POWER SOURCE CIRCUIT has been simplified. For full details, see page BE-9.

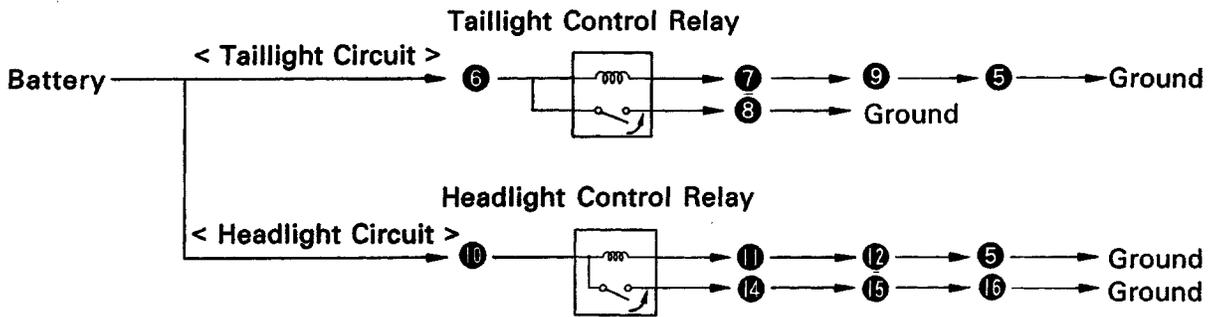
**OPERATION EXAMPLE (CURRENT FLOW TABLE**

**1. DAYTIME RUNNING LIGHT LIGHTS UP**

| Switch                  | Position |
|-------------------------|----------|
| Ignition Switch         | *ON      |
| Light Control Switch    | OFF      |
| Headlight Dimmer Switch | LO or HI |
| *1 Door Courtesy Switch | ON       |

with Engine Running

Condition: Battery voltage → ①, Battery voltage → ② → ③, Battery voltage → ④  
 Continuity: ⑤ → Ground

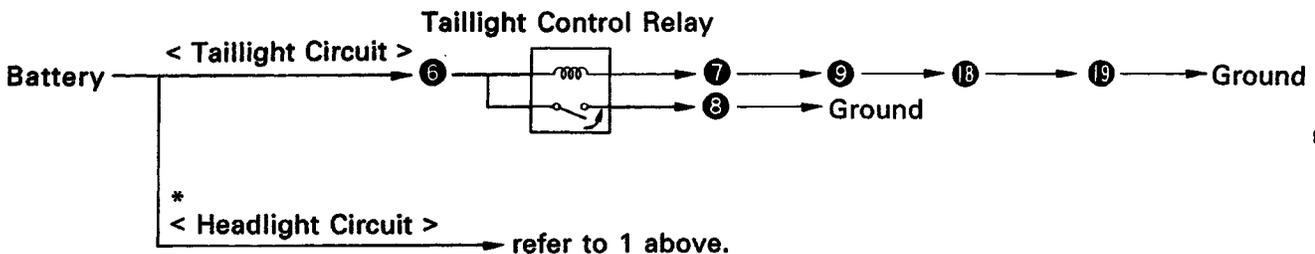


**2. TAILLIGHT LIGHTS UP**

| Switch                  | Position   |
|-------------------------|------------|
| Ignition Switch         | OFF* or ON |
| Light Control Switch    | TAIL       |
| Headlight Dimmer Switch | LO or HI   |
| *1 Door Courtesy Switch | ON         |

\* with Engine Running

Condition: Battery voltage → ①, \*(Battery voltage → ② → ③, Battery voltage → ④ )  
 Continuity: ⑤ → Ground

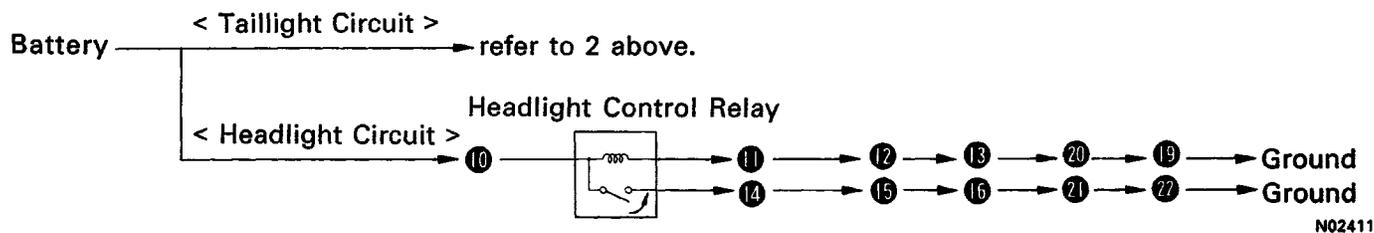


3. HEADLIGHT LOW BEAM LIGHTS UP

| Switch                  | Position   |
|-------------------------|------------|
| Ignition Switch         | OFF* or ON |
| Light Control Switch    | HEAD       |
| Headlight Dimmer Switch | LO         |
| *1 Door Courtesy Switch | ON         |

with Engine Running

Condition: Battery voltage → ① , \*(Battery voltage → ② → ③ , Battery voltage → ④ )  
 Continuity: ⑤ → Ground



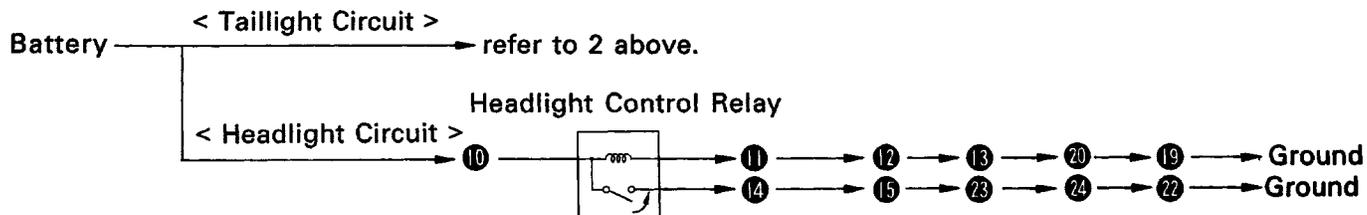
N02411

4. HEADLIGHT HIGH BEAM LIGHT UP

| Switch                  | Position   |
|-------------------------|------------|
| Ignition Switch         | OFF or *ON |
| Light Control Switch    | HEAD       |
| Headlight Dimmer Switch | HI         |
| *1 Door Courtesy Switch | ON         |

with Engine Running

Condition: Battery voltage → ① , \*(Battery voltage → ② → ③ , Battery voltage → ④ )  
 Continuity: ⑤ → Ground



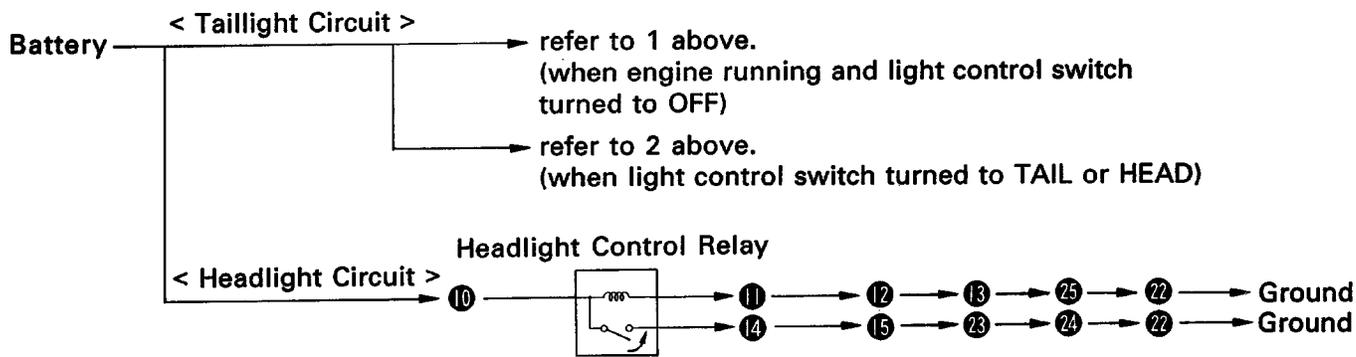
N02411

5. HEADLIGHT FLASH

| Switch                  | Position            |
|-------------------------|---------------------|
| Ignition Switch         | OFF or *ON          |
| Light Control Switch    | OFF or TAIL or HEAD |
| Headlight Dimmer Switch | Flash               |
| *1 Door Courtesy Switch | 0 N                 |

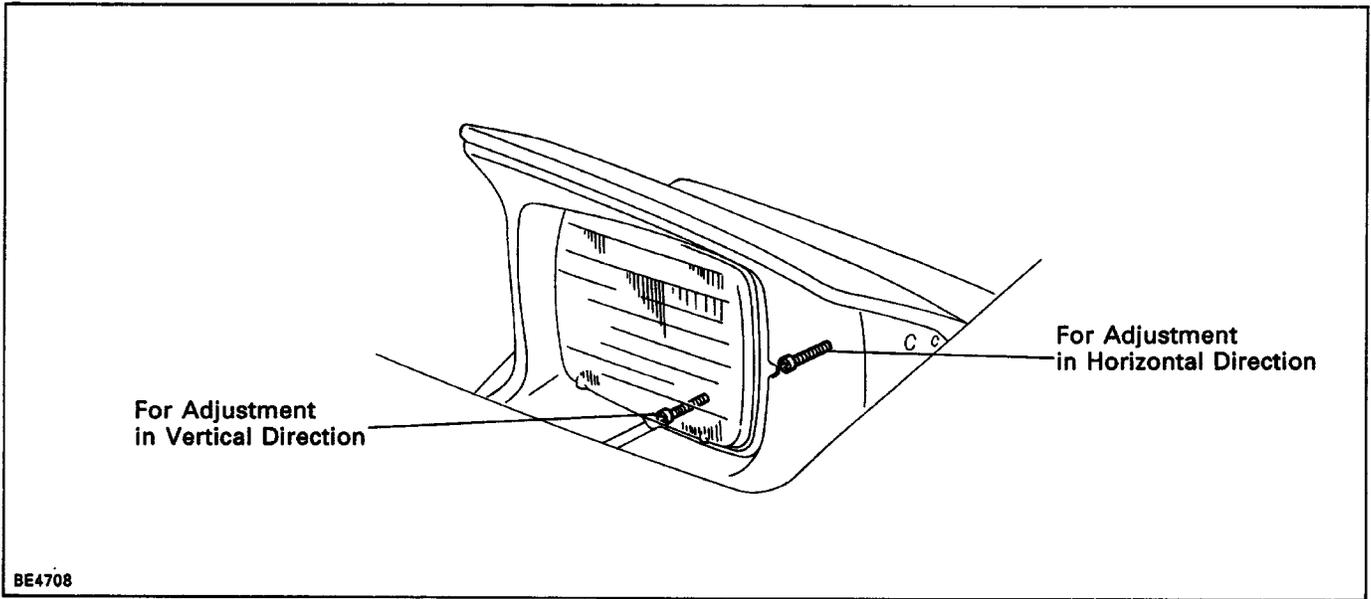
with Engine Running

Condition: Battery voltage → ① , \*(Battery voltage → ② → ③ , Battery voltage → ④ )  
 Continuity: ⑤ → Ground



# HEADLIGHT

## HEADLIGHT AIMING ADJUSTMENT



BE4708

# TROUBLESHOOTING

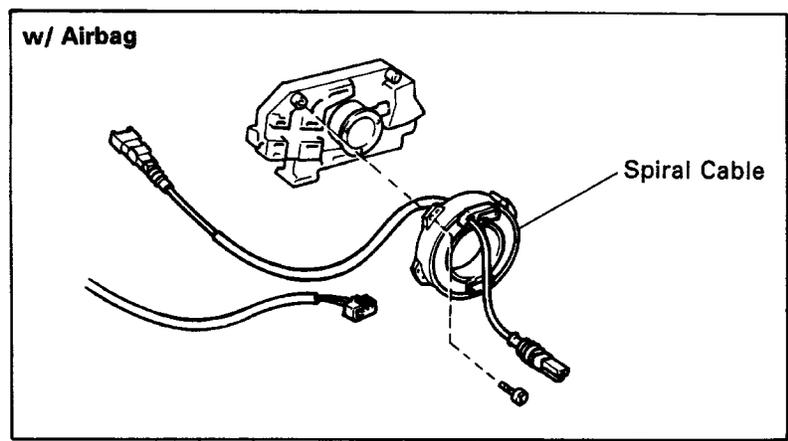
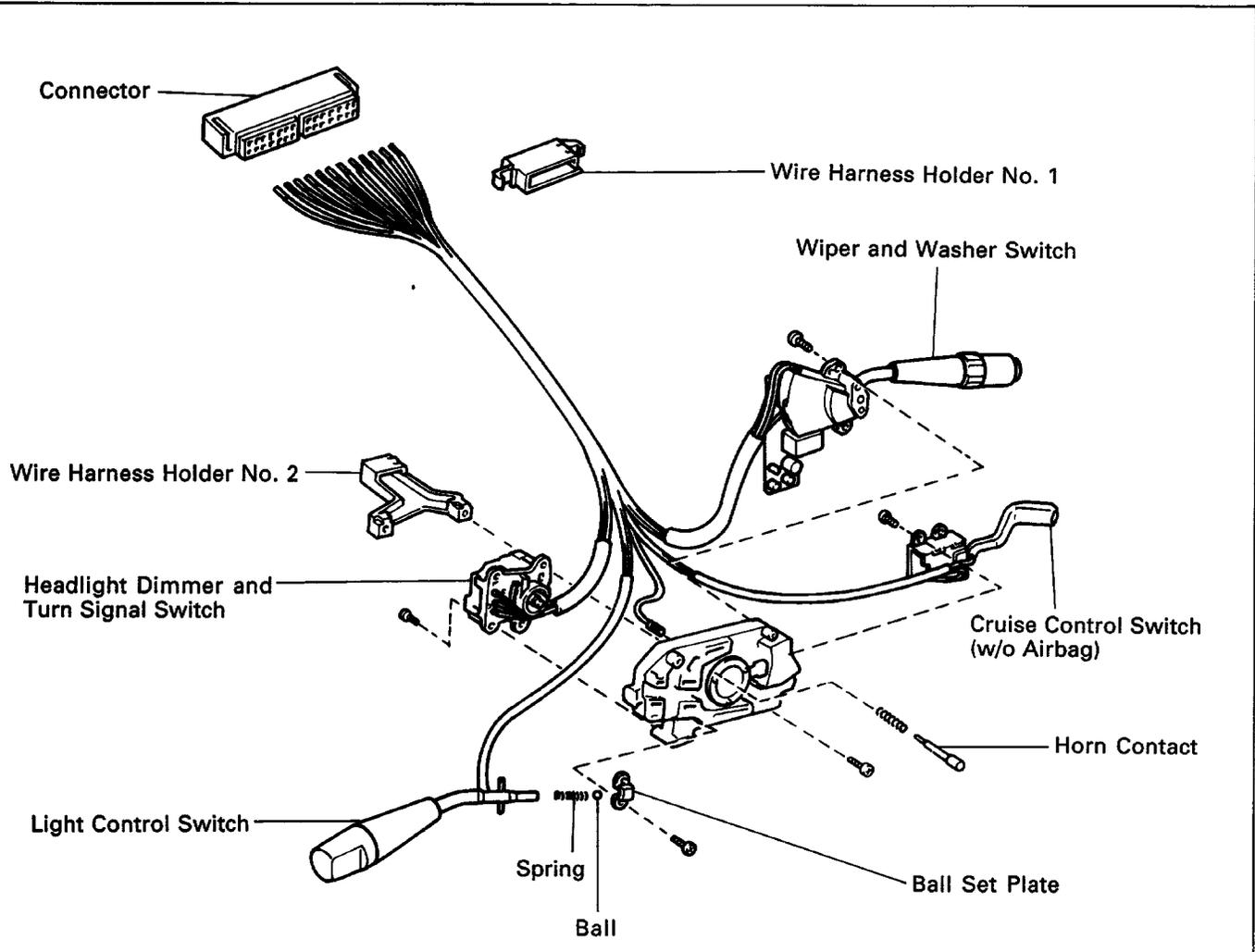
You will find the troubles easier using the table well shown below. In this table, each number shows the priority of causes in troubles. Check each part in order. If necessary, replace these parts.

| See page                                       |   | BE-3    | BE-3     | BE-3       | BE-3      | BE-3      | BE-30                | BE-30         | BE-30                   | BE-30                   | BE-11           | BE-49                | BE-33                 | BE-34                 | -            | -               | -              |
|--|---|---------|----------|------------|-----------|-----------|----------------------|---------------|-------------------------|-------------------------|-----------------|----------------------|-----------------------|-----------------------|--------------|-----------------|----------------|
| Pa its name                                    |   |         |          |            |           |           |                      |               |                         |                         |                 |                      |                       |                       |              |                 |                |
| Trouble  |   | MAIN FL | RTR Fuse | GAUGE Fuse | HEAD Fuse | TAIL Fuse | Light Control Switch | Dimmer Switch | Headlight Control Relay | Taillight Control Relay | Ignition Switch | Door Courtesy Switch | Light Retractor Relay | Light Retractor Motor | Wire Harness | Headlight Bulb* | Taillight Bulb |
| Headlight                                      | Headlight does not light up. (Taillight is normal.)         | 1       |          |            | 2         |           | 3                    | 4             |                         |                         |                 |                      |                       |                       | 5            | 6               |                |
|  | Headlight does not light up. (Taillight does not light up.) |         |          |            |           |           | 1                    | 2             |                         |                         |                 |                      |                       |                       | 3            | 4               |                |
|  | Only one light comes ON.                                    |         |          |            | 1         |           |                      |               |                         |                         |                 |                      |                       |                       | 2            | 3               |                |
|  | "Lo-Beam" does not light up.                                |         |          |            |           |           |                      | 3             | 1                       |                         |                 |                      | 2                     |                       | 4            | 5               |                |
|  | "Hi-Beam" does not light up.                                |         |          |            |           |           |                      | 3             | 1                       |                         |                 |                      | 2                     |                       | 4            | 5               |                |
|  | "Flash" does not light up.                                  |         |          |            |           |           |                      | 3             | 1                       |                         |                 |                      | 2                     |                       | 4            | 5               |                |
|  | Light Retractable System does not operate                   |         |          |            |           |           | 2                    | 3             | 4                       |                         |                 |                      | 6                     | 5                     | 7            | 8               |                |
| Taillight                                      | Taillight does not light up. (Headlight does not light up.) | 1       |          |            |           | 2         | 3                    |               |                         |                         |                 |                      |                       |                       | 4            | 5               |                |
|  | Taillight does not light up. (Headlight does not light up.) |         |          |            |           | 1         | 2                    |               |                         | 3                       |                 |                      |                       |                       | 4            |                 | 5              |
|  | Only one light goes out or does not light up.               |         |          |            |           |           |                      |               |                         |                         |                 |                      |                       |                       | 1            |                 | 2              |
|  | Rear Combination light does not light up.                   |         |          |            |           | 1         |                      |               |                         |                         |                 |                      |                       |                       | 2            |                 | 3              |
| Daytime running light system does not operate. |   |         |          |            |           |           | 4                    | 5             | 1                       | 2                       |                 |                      | 3                     |                       | 6            |                 |                |
| Light Auto Turn Off does not operate.          |   |         |          | 1          |           |           |                      |               |                         |                         | 2               | 3                    | 4                     |                       | 5            |                 |                |

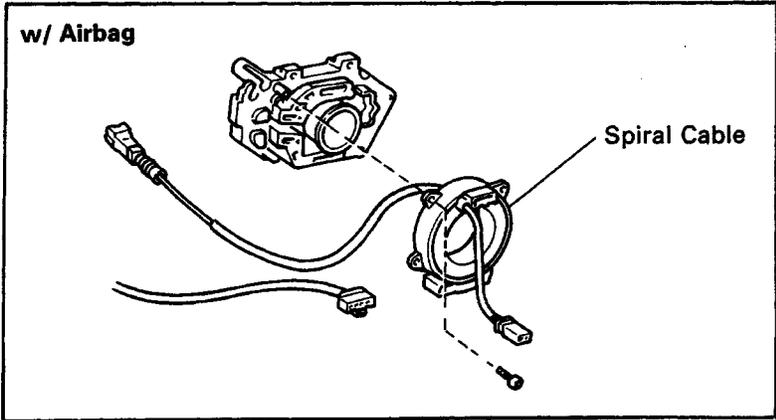
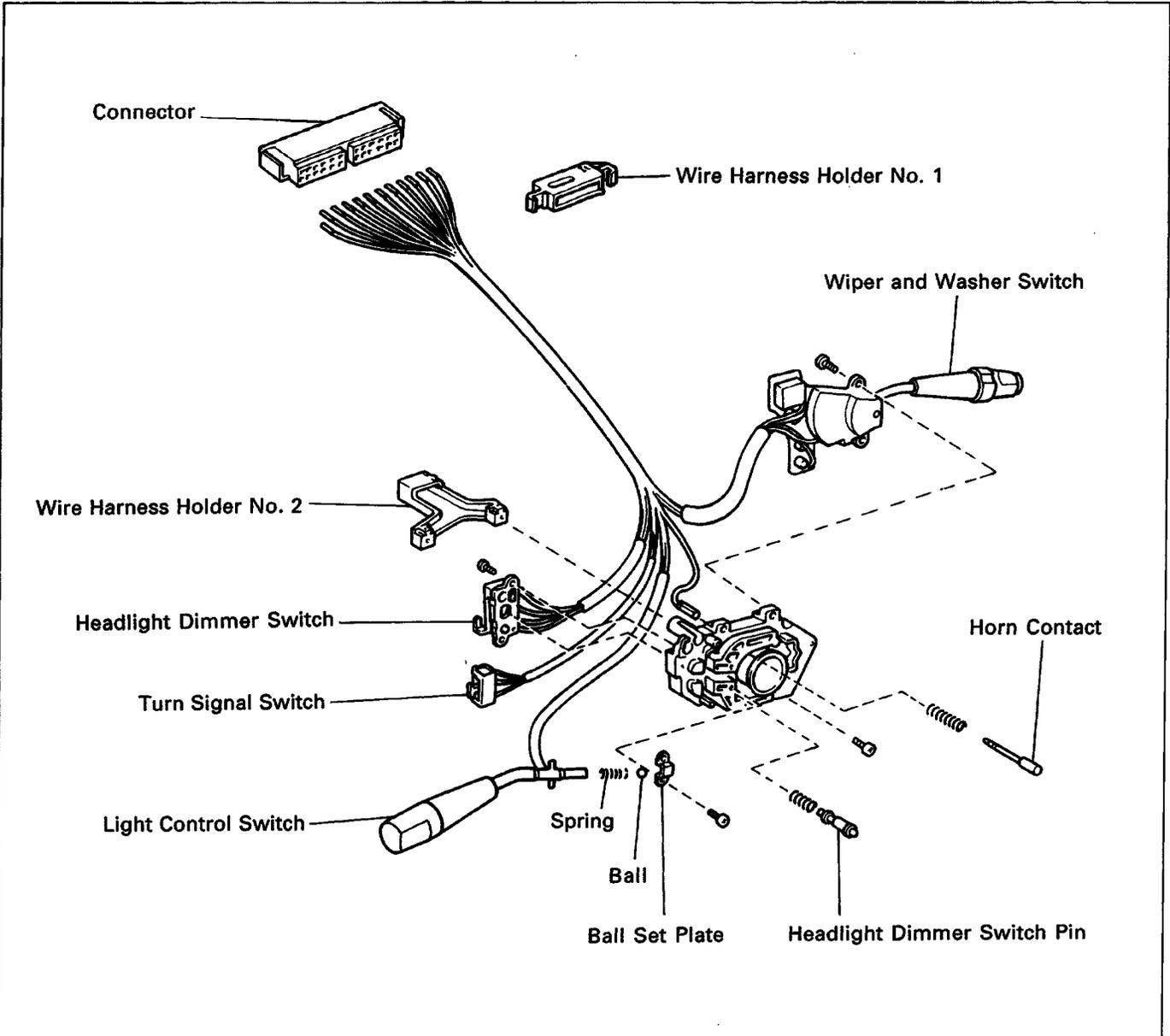
\* Sculptured Type: If operation is not as specified, replace the Headlight Bulb.  
 Rectangular Type: If operation is not as specified, replace the Headlight Assembly.

# COMBINATION SWITCH COMPONENTS

(A Type)



(B Type)



## COMBINATION SWITCH DISASSEMBLY

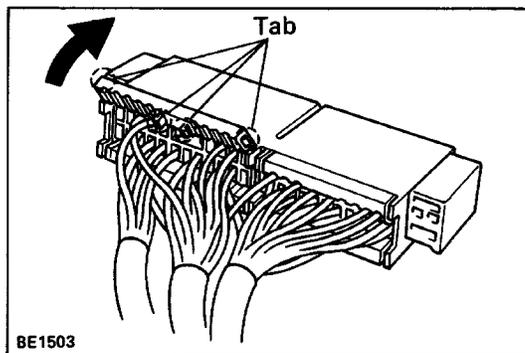
### 1. REMOVE WIRE HARNESS HOLDER NO. 1

### 2. REMOVE WIRE HARNESS HOLDER NO. 2

### 3. 1w/Airbag)

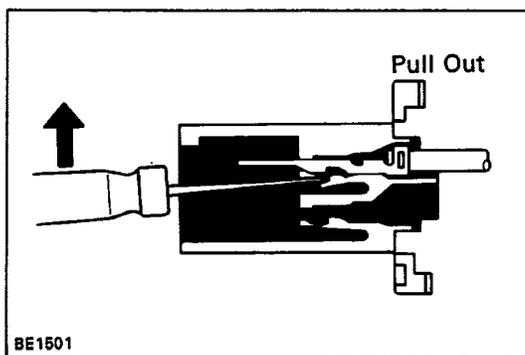
#### REMOVE SPIRAL CABLE SUBASSEMBLY

- (a) Remove the four screws.
- (b) Disconnect the connector and remove the spiral cable subassembly.

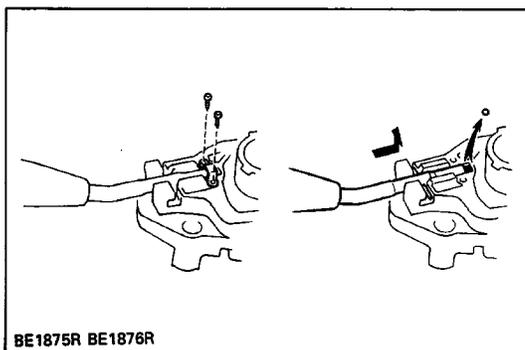


### 4. REMOVE TERMINALS FROM CONNECTOR

- (a) Release four tabs and open the terminal cover.



- (b) From the open end, insert a miniature screwdriver between the locking lug and terminal.
- (c) Pry down the locking lug with the screwdriver and pull the terminal out from the rear.



### 5. REMOVE LIGHT CONTROL SWITCH

- (a) Remove two screws and the ball set plate from the switch body.
- (b) Remove the ball and slide out the switch from the switch body with the spring.

## 6. REMOVE HEADLIGHT DIMMER AND TURN SIGNAL SWITCH

### (A Type)

Remove four screws and the switch from the switch body.

### (B Type)

(a) Pry loose two locking lugs and remove the turn signal switch from the switch body.

(b) Remove two screws and the headlight dimmer switch from the switch body.

(c) Remove the headlight dimmer switch pin from the switch body with the spring.

## 7. REMOVE WIPER AND WASHER SWITCH

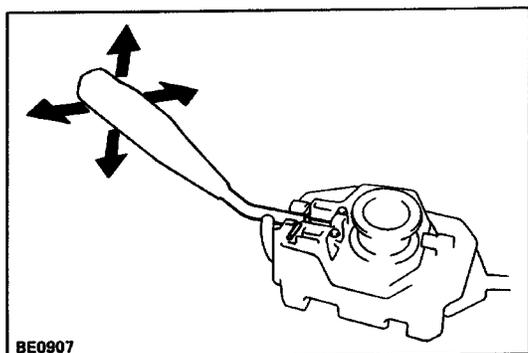
Remove two screws and the switch from the switch body.

## 8. (A Type)

### REMOVE CRUISE CONTROL SWITCH

Remove two screws and the switch from the body.

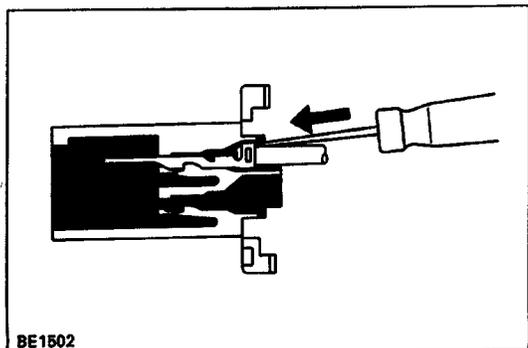
## 9. REMOVE HORN CONTACT



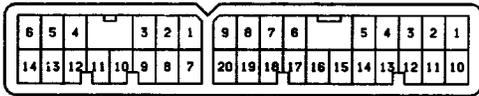
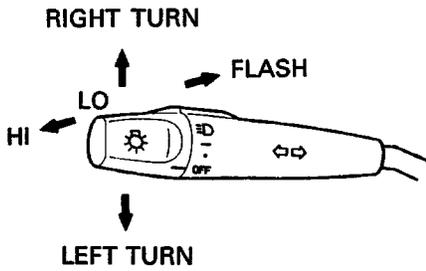
## COMBINATION SWITCH ASSEMBLY INSTALL PARTS OF COMBINATION SWITCH IN REVERSE SEQUENCE OF DISASSEMBLY

### HINT:

- After installing the light control switch to the switch body, insure that the switch operation is smoothly.
- Push in the terminal until it is securely locked in the connector lug.



**Reference:**



Connector "A" Connector "B"

BE4888  
V-34-2

**COMBINATION SWITCH INSPECTION  
LIGHT CONTROL SWITCH CONTINUITY**

| Terminal (Color) | A-2 | A-11 | A-13 | B-20 |
|------------------|-----|------|------|------|
| Switch position  |     |      |      |      |
| OFF              |     |      |      |      |
| HOLD (•)         |     | ○    | ○    | ○    |
| TAIL (-)         | ○   | ○    | ○    | ○    |
| HEAD             | ○   | ○    | ○    |      |

**HEADLIGHT DIMMER SWITCH CONTINUITY**

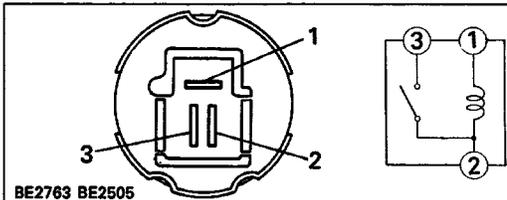
| Terminal (Color) | A-3 | A-9 | A-12 | A-14 |
|------------------|-----|-----|------|------|
| Switch position  |     |     |      |      |
| Flash            |     | ○   | ○    | ○    |
| Low beam         | ○   | ○   |      |      |
| High beam        |     | ○   | ○    |      |

**TURN SIGNAL SWITCH CONTINUITY**

| Terminal (Color) | A-1 | A-5 | A-8 |
|------------------|-----|-----|-----|
| Switch position  |     |     |     |
| Left turn        | ○   | ○   |     |
| Neutral          |     |     |     |
| Right turn       | ○   | ○   | ○   |

If continuity is not as specified, replace the switch.

**HEADLIGHT CONTROL RELAY  
HEADLIGHT CONTROL RELAY INSPECTION  
CONTINUITY**

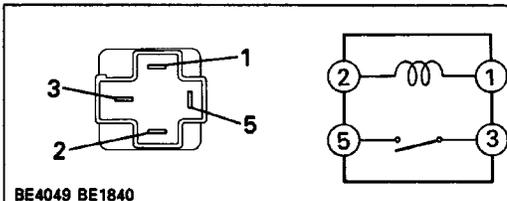


BE2763 BE2505

| Terminal                                    | 1 | 2 | 3 |
|---|---|---|---|
| Condition                                   |   |   |   |
| Constant                                    | ○ | ○ |   |
| Apply battery voltage to terminals 1 and 2. |   | ○ | ○ |

If continuity is not as specified, replace the relay.

**TAILLIGHT CONTROL RELAY  
TAILLIGHT CONTROL RELAY INSPECTION  
CONTINUITY**

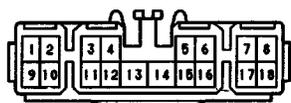


BE4049 BE1840

| Terminal                                    | 1 | 2 | 3 | 5 |
|---|---|---|---|---|
| Condition                                   |   |   |   |   |
| Constant                                    | ○ | ○ |   |   |
| Apply battery voltage to terminals 1 and 2. |   |   | ○ | ○ |

If continuity is not as specified, replace the relay.

## Wire Harness Side



Connector "B"



Connector "A"

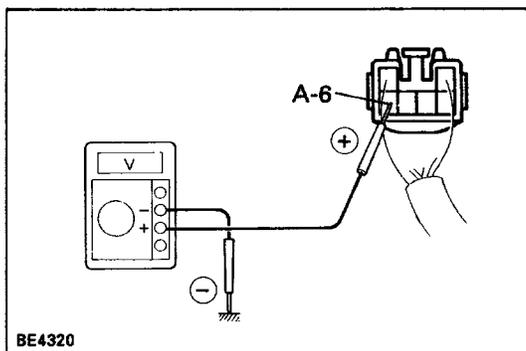
e-18-1 e-6-1

## DAYTIME RUNNING LIGHT SYSTEM LIGHT RETRACTOR RELAY INSPECTION RELAY CIRCUIT

Disconnect the connector from the relay and inspect the connector on the wire harness side as shown in the chart.

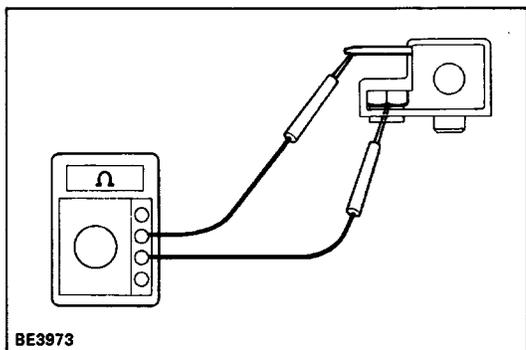
| Check for            | Tester connection    | Condition  |                                     | Specified value |
|----------------------|----------------------|--|-------------------------------------|-----------------|
|                      |                      |  |                                     |                 |
| Continuity           | <b>B-3 — Ground</b>  | Light control switch position                    | OFF or HOLD                         | No continuity   |
|                      |                      |  | HOLD or TAIL                        | Continuity      |
|                      | <b>A-5 — Ground</b>  | Parking brake switch position                    | OFF (Parking brake lever released)  | No continuity   |
|                      |                      |  | ON (Parking brake lever engaged)    | Continuity      |
|                      | <b>B-13 — Ground</b> | Light control switch position                    | OFF or HOLD                         | No continuity   |
|                      |                      |  | TAIL or HEAD                        | Continuity      |
|                      | <b>B-14 — Ground</b> | Light control switch position: OFF, HOLD or TAIL |                                     |                 |
|                      |                      | Headlight dimmer switch position                 | Low beam or High beam               | No continuity   |
|                      |                      |  | Flash                               | Continuity      |
|                      |                      |  | Light control switch position: HEAD | Continuity      |
| <b>B-18 — Ground</b> | Constant             |  | Continuity                          |                 |
| Voltage              | <b>A-3 — Ground</b>  | Light control switch HEAD and Dimmer switch LO   |                                     | No voltage      |
|                      |                      | Light control switch HEAD and Dimmer switch HI   |                                     | Battery voltage |
|                      | <b>A-4 — Ground</b>  | Engine   | Stop                                | No voltage      |
|                      |                      |  | Running                             | Battery voltage |
|                      | <b>A-12 — Ground</b> | Constant   |                                     | Battery voltage |
|                      | <b>B-2 — Ground</b>  | Constant   |                                     | Battery voltage |
|                      | <b>B-4 — Ground</b>  | Ignition switch position                         | LOCK or ACC                         | No voltage      |
|                      |                      |  | ON or START                         | Battery voltage |
|                      | <b>B-8 — Ground</b>  | Constant   |                                     | Battery voltage |
| <b>B-10 — Ground</b> | Constant             |  | Battery voltage                     |                 |

If circuit is as specified, inspect relay operation.



### RELAY OPERATION

- (a) Connect the positive W lead from the voltmeter to terminal A-6 and negative (-) lead to the ground.
  - (b) Check that there is battery voltage with light control switch is turned on.
- If operation is not as specified, replace the relay.



### PARKING BRAKE SWITCH

#### PARKING BRAKE SWITCH INSPECTION

##### INSPECT PARKING BRAKE

- (a) Check that there is continuity between terminals with the switch ON (switch pin released).
  - (b) Check that there is no continuity between terminals with the switch OFF (switch pin pushed in).
- If operation is not as specified, replace the switch.

### PANEL RELAY

#### PANEL RELAY INSPECTION

##### CONTINUITY

BE4049 BE1840

| Terminal Condition                          | 1        | 2 | 3        | 5 |
|---|----------|---|----------|---|
| Consistent                                  | ○ ———— ○ |   |          |   |
| Apply battery voltage to terminals 1 and 2. |          |   | ○ ———— ○ |   |

If continuity is not as specified, replace the relay.

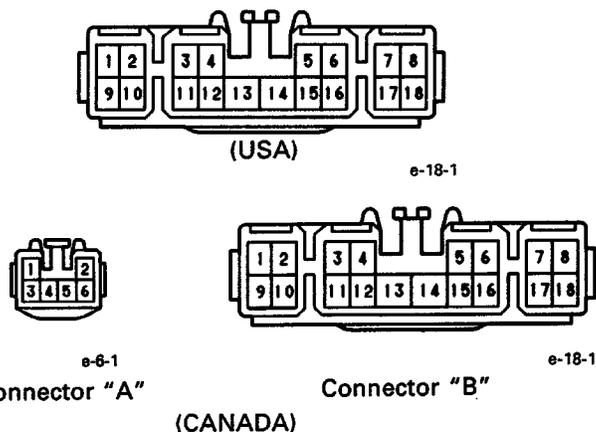
# LIGHT RETRACTABLE SYSTEM

## LIGHT RETRACTOR RELAY INSPECTION

### RELAY CIRCUIT

Disconnect the connector from the relay and inspect the connector on wire harness side as shown in the chart.

#### Wire Harness Side



| Check for                                 | Tester connection                      | Condition   |                                     | Specified value |
|---|--|---|-------------------------------------|-----------------|
| Continuity                                | 3 (B-3) – Ground                       | Light control switch position                     | OFF or HEAD                         | No continuity   |
|   |  |   | HOLD or TAIL                        | Continuity      |
|   | 6 (B-6) – Ground<br>16 (B-16) – Ground | Constant  |                                     | *1 Continuity   |
|   | 13 (B-13) – Ground                     | Light control switch position                     | OFF or HOLD                         | No continuity   |
|   |  |   | TAIL or HEAD                        | Continuity      |
|   | 14 (B-14) – Ground                     | Light control switch position: OFF, HOLD or– TAIL |                                     |                 |
|   |  | Headlight dimmer switch position                  | Low beam or High beam               | No continuity   |
|   |  |   | Flash                               | Continuity      |
|   |  |   | Light control switch position: HEAD | Continuity      |
|   | 18 (B-18) – Ground                     | Constant  |                                     | Continuity      |
| *2 5 (B-5) – 1 (B-1)                      | Headlight position                     | Any position ex. lowermost                        | Continuity                          |                 |
| *2 7 (B-7) – 1 (B-1)                      |  | Lowermost   | No continuity                       |                 |
| *2 5 (B-5) – 9 (B-9)<br>7 (B-7) – 9 (B-9) | Headlight position                     | Any position ex. uppermost                        | Continuity                          |                 |
|   |  | Uppermost   | No continuity                       |                 |

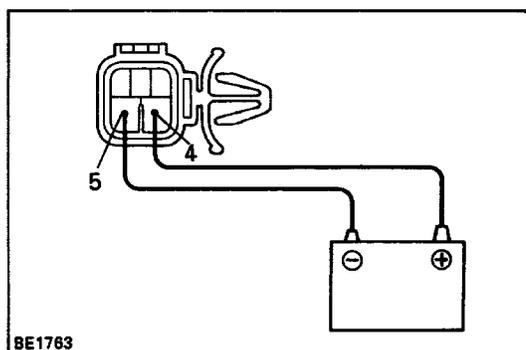
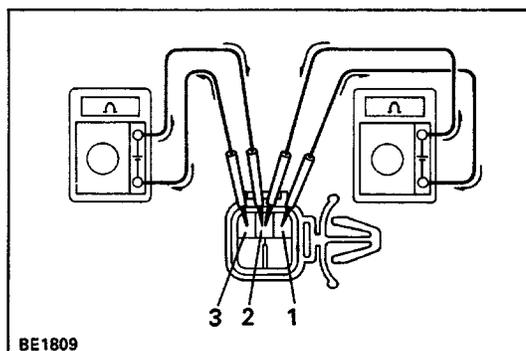
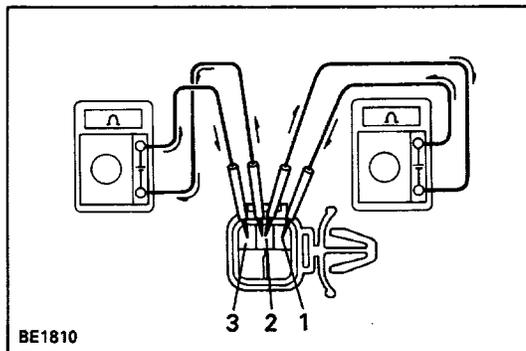
| Check for                   | Tester connection  | Condition                |                              | Specified value |
|-----------------------------|--------------------|--------------------------|------------------------------|-----------------|
| Voltage                     | 2 (B-2) - Ground   | Constant                 |                              | Battery voltage |
|                             | 4 (B-4) - Ground   | Ignition switch position | LOCK or ACC                  | No voltage      |
|                             |                    |                          | ON                           | Battery voltage |
|                             | 8 (B-8) - Ground   | Constant                 |                              | Battery voltage |
|                             | 10 (B-10) - Ground | Constant                 |                              | Battery voltage |
|                             | 15 (6-15) - Ground | Door- position           | Closed (Courtesy switch OFF) | Battery voltage |
| Opened (Courtesy switch ON) |                    |                          | No voltage                   |                 |

The number in ( ) mean for CANADA vehicle.

\*1: There is resistance because this circuit is grounded through the motor.

: Connect the test leads so that the current from the ohmmeter can flow according to the above orders.

If circuit is as specified, replace the relay.



## LIGHT RETRACTOR MOTOR LIGHT RETRACTOR MOTOR INSPECTION DIODE CONTINUITY

- Set the motor to any position except the uppermost or lowermost position.
- Connect the ohmmeter test lead so that the current from the meter can flow from terminal 1 to 2, check that there is no continuity.
- Connect the ohmmeter test lead so that the current from the meter can flow from terminal 3 to 2, check that there is no continuity.
- Reverse the test leads of ohmmeter, check that there is continuity.  
If continuity is not as specified, replace the motor.

## OPERATION

Connect the positive W lead from the battery to terminal 4 and the negative (-) lead to terminal 5, check that the motor operates.

If operation is not as specified, replace the motor.