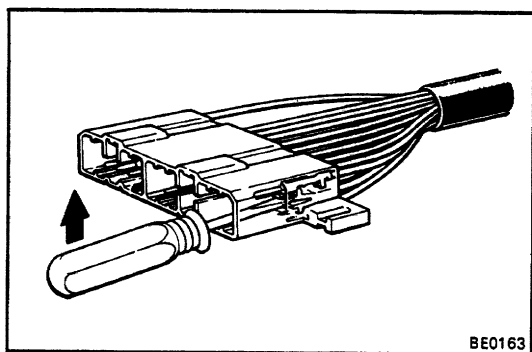
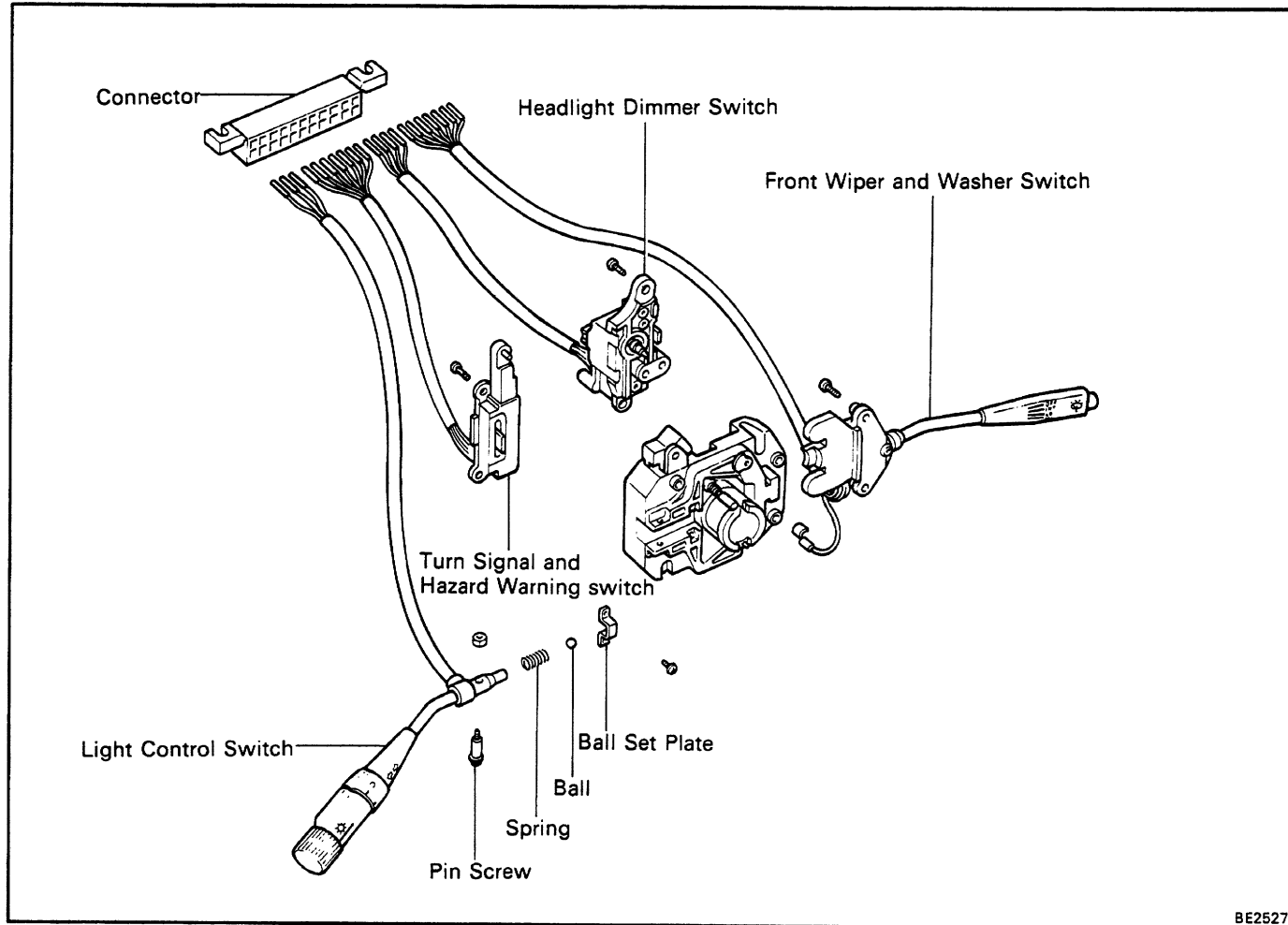


# LIGHTING

## Troubleshooting

| Problem                                                   | Possible cause                                                                                                                    | Remedy                                                                                                          | Page                   |
|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|------------------------|
| Only one light comes ON                                   | Light bulb burned out<br>Socket, wire or ground faulty                                                                            | Replace bulb<br>Repair as necessary                                                                             |                        |
| Headlights do not light                                   | Fusible link blown<br>HEAD fuse blown<br>Headlight control relay faulty<br>Light control switch faulty wiring<br>or ground faulty | Replace– fusible link<br>Replace fuse and check for short<br>Check relay<br>Check switch<br>Repair as necessary | BE-3<br>BE-15<br>BE-15 |
| High beam headlights or headlight flashers do not operate | Light control switch faulty<br>Wiring faulty                                                                                      | Check switch<br>Repair as necessary                                                                             | BE-15                  |
| Tail, parking and license lights do not light             | TAIL fuse blown<br>Fusible link blown<br>Taillight control relay faulty<br>Light control switch faulty wiring<br>or ground faulty | Replace fuse and check for short<br>Replace fusible link<br>Check relay<br>Check switch<br>Repair as necessary  | BE-3<br>BE-15<br>BE-15 |
| Stop lights do not light                                  | STOP fuse blown<br>Stop light switch faulty<br>Wiring or ground faulty                                                            | Replace fuse and check for short<br>Adjust or replace switch<br>Repair as necessary                             | BE-3                   |
| Stop lights stay on                                       | Stop light switch faulty                                                                                                          | Adjust or replace switch                                                                                        |                        |
| Instrument lights do not light (taillights light)         | Light control rheostat faulty<br>Wiring or ground faulty                                                                          | Check rheostat<br>Repair as necessary                                                                           | BE-31                  |
| Turn signal does not flash on one side                    | Turn signal and hazard warning SW faulty<br>Wiring or ground faulty                                                               | Check switch<br>Repair as necessary                                                                             | BE-16                  |
| Turn signals do not operate                               | TURN fuse blown<br>Turn signal flasher faulty<br>Turn signal and hazard warning SW faulty<br>Wiring or ground faulty              | Replace fuse and check for short<br>Check flasher<br>Check switch<br>Repair as necessary                        | BE-3<br>BE-16<br>BE-16 |
| Hazard warning lights do not operate                      | HAZ– HORN fuse blown<br>Turn signal flasher faulty<br>Turn signal and hazard warning SW faulty<br>Wiring of ground faulty         | Replace fuse and check for short<br>Check flasher<br>Check switch<br>Repair as necessary                        | BE-3<br>BE-16<br>BE-16 |

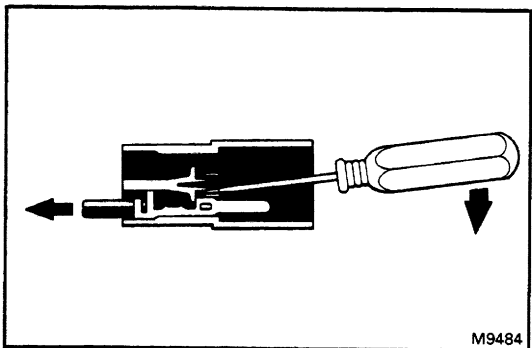
## Parts Replacement Components



### Disassembly of Combination Switch

#### 1. REMOVE TERMINALS FROM CONNECTOR

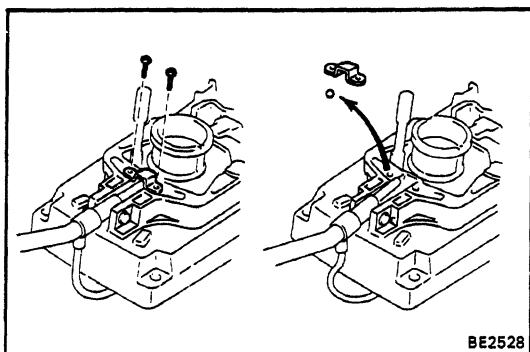
- (a) From the open end, insert a miniature screwdriver between the locking lugs and terminal.



- (b) Pry up the locking lugs with the screwdriver and pull the terminal out from the rear.

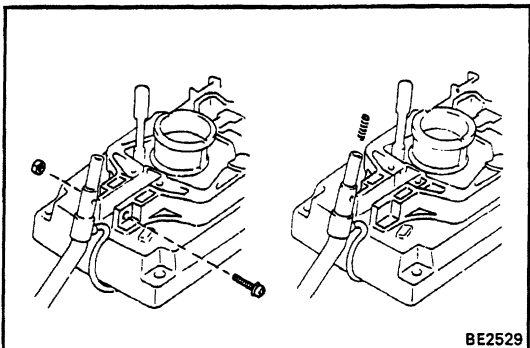
**2. REMOVE LIGHT CONTROL SWITCH**

(a) Remove two screws, the ball set plate and the ball.

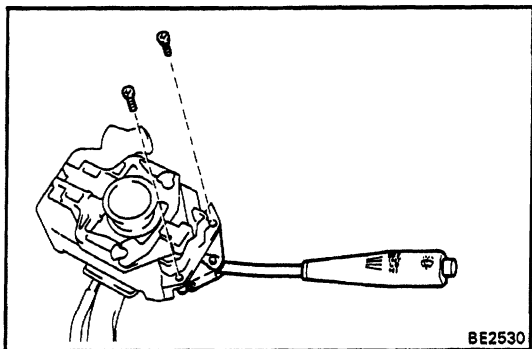


(b) Remove the pin screw and nut.

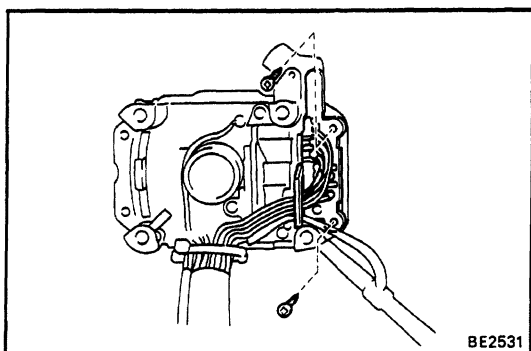
(c) Remove the light control switch with the spring.

**3. REMOVE FRONT WIPER AND WASHER SWITCH**

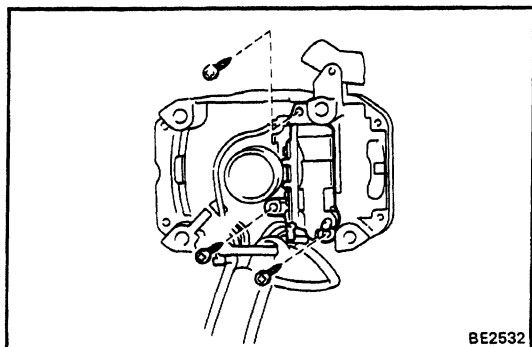
Remove two screws and the switch from the switch body.

**4. REMOVE TURN SIGNAL AND HAZARD WARNING SWITCH**

Remove two screws, the turn signal and hazard warning switch.

**5. REMOVE HEADLIGHT DIMMER SWITCH**

Remove three screws and the dimmer switch.

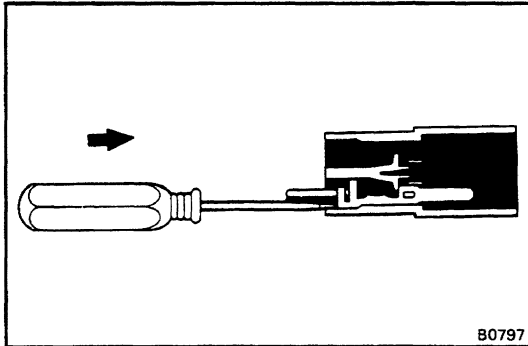
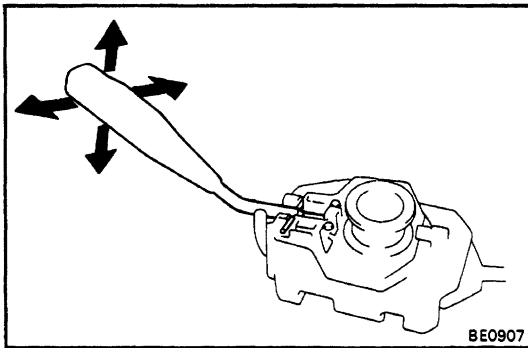


## Assembly of Combination Switch

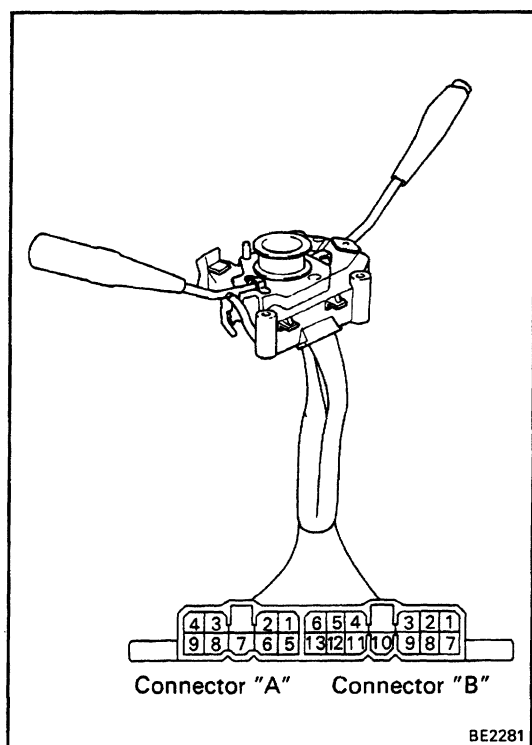
INSTALL PARTS OF COMBINATION SWITCH IN REVERSE SEQUENCE OF REMOVAL

HINT:

- After installing the light control switch to the switch body, insure that the switch operates smoothly.



- Push in the terminal until it is securely locked in the connector plug.
- Pull on the wire to confirm that it is securely locked.



## Parts Inspection

### Headlight and Taillight System

#### 1. INSPECT SWITCHES

(Light Control Switch/ Continuity)

| Terminals (Color) | B-4<br>(R) | B-10  | B-11<br>(W) |
|-------------------|------------|-------|-------------|
| Switch Position   |            |       |             |
| OFF               |            |       |             |
| TAIL              |            | ○ — ○ | ○ — ○       |
| HEAD              | ○ — ○      | ○ — ○ | ○ — ○       |

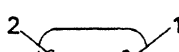
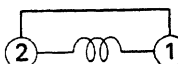
(Headlight Dimmer Switch/ Continuity)

| Terminals (Color) | 6-5   | B-6<br>(R-G) | B-12<br>(R-W) | B-13  |
|-------------------|-------|--------------|---------------|-------|
| Switch position   |       |              |               |       |
| Flash             | ○ — ○ |              | ○ — ○         | ○ — ○ |
| Low beam          |       | ○ — ○        |               | ○ — ○ |
| High beam         | ○ — ○ |              |               | ○ — ○ |

If continuity is not as specified, replace the switch.

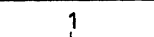
#### 2. INSPECT RELAYS

(Headlight Control Relay/ Continuity)

|  |    | <table><tr><th>Terminals</th><th>1</th><th>2</th><th>3</th><th>4</th></tr><tr><th>Condition</th><td></td><td></td><td></td><td></td></tr><tr><th>Constant</th><td></td><td></td><td></td><td></td></tr><tr><th>Apply battery voltage between terminals 1 and 2</th><td></td><td></td><td></td><td></td></tr></table> | Terminals                                                                             | 1 | 2 | 3 | 4 | Condition |  |  |  |  | Constant |  |  |  |  | Apply battery voltage between terminals 1 and 2 |  |  |  |  |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---|---|---|---|-----------|--|--|--|--|----------|---------------------------------------------------------------------------------------|--|--|--|-------------------------------------------------|--|--|---------------------------------------------------------------------------------------|--|
| Terminals                                                                           | 1                                                                                     | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 3                                                                                     | 4 |   |   |   |           |  |  |  |  |          |                                                                                       |  |  |  |                                                 |  |  |                                                                                       |  |
| Condition                                                                           |                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                       |   |   |   |   |           |  |  |  |  |          |                                                                                       |  |  |  |                                                 |  |  |                                                                                       |  |
| Constant                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                       |   |   |   |   |           |  |  |  |  |          |                                                                                       |  |  |  |                                                 |  |  |                                                                                       |  |
| Apply battery voltage between terminals 1 and 2                                     |                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |   |   |   |   |           |  |  |  |  |          |                                                                                       |  |  |  |                                                 |  |  |                                                                                       |  |
| BE1838 BE1840                                                                       |                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                       |   |   |   |   |           |  |  |  |  |          |                                                                                       |  |  |  |                                                 |  |  |                                                                                       |  |

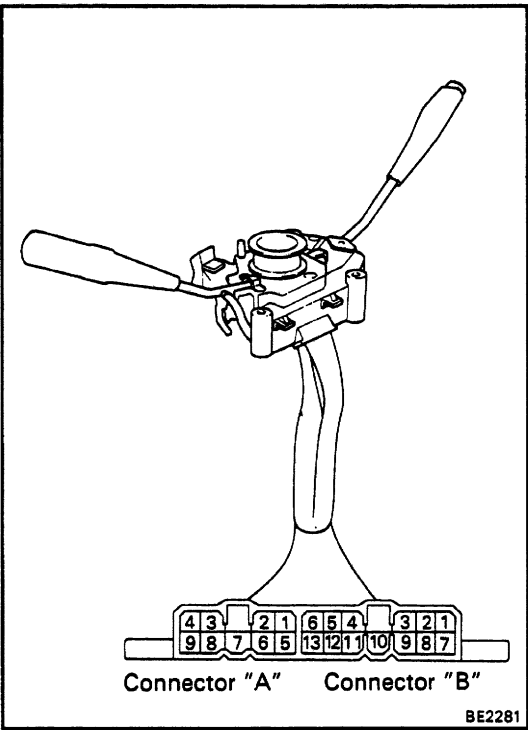
BE1838 BE1840

(Taillight Control Relay/ Continuity)

|                                                                                     |                                                                                     |                                                 |                                                                                       |                                                                                       |   |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---|
|  |  |                                                 |                                                                                       |                                                                                       |   |
|                                                                                     |                                                                                     | Terminals                                       | 1                                                                                     | 2                                                                                     | 3 |
|                                                                                     |                                                                                     | Condition                                       |                                                                                       |                                                                                       |   |
|                                                                                     |                                                                                     | Constant                                        |  |                                                                                       |   |
|                                                                                     |                                                                                     | Apply battery voltage between terminals 1 and 2 |                                                                                       |  |   |
| BE2533 BE2505                                                                       |                                                                                     |                                                 |                                                                                       |                                                                                       |   |

BE2533 BE2505

If continuity is not as specified, replace the relay.



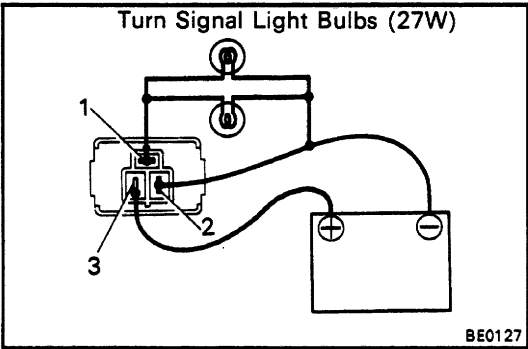
# Turn Signal and Hazard Warning System

## 1. INSPECT SWITCHES

(Turn Signal and Hazard Warning Switch/Continuity)

| Terminals (Color)  |            | B-1<br>(G-0) | B-2<br>(G-L) | 6-3<br>(G-W) | B-7<br>(G) | B-8<br>(G-Y) | B-9<br>(G -6) |
|--------------------|------------|--------------|--------------|--------------|------------|--------------|---------------|
| Switch position    |            |              |              |              |            |              |               |
| Turn Signal Switch | Left turn  |              | ○            | ○            | ○          |              | ○             |
|                    | Neutral    |              | ○            |              | ○          |              |               |
|                    | Right turn |              | ○            | ○            | ○          | ○            |               |
| Hazard SW          | ON         | ○            |              | ○            | ○          | ○            | ○             |

If continuity is not as specified, replace the switch.



## 2. INSPECT TURN SIGNAL FLASHER

(operation)

- (a) Connect the positive (+) lead from the battery to terminal 3 and the negative (-) lead to terminal 2.
- (b) Connect the two turn signal light bulbs parallel to each other to terminal 1 and 2.

Check that the bulbs turn on and off.

HINT: The turn signal lights should flash 60 to 120 times per minute.

If one of the front or rear turn signal lights has an open circuit, the number of flashes will be more than 140 per minute.

If operation is not as specified, replace the flasher.