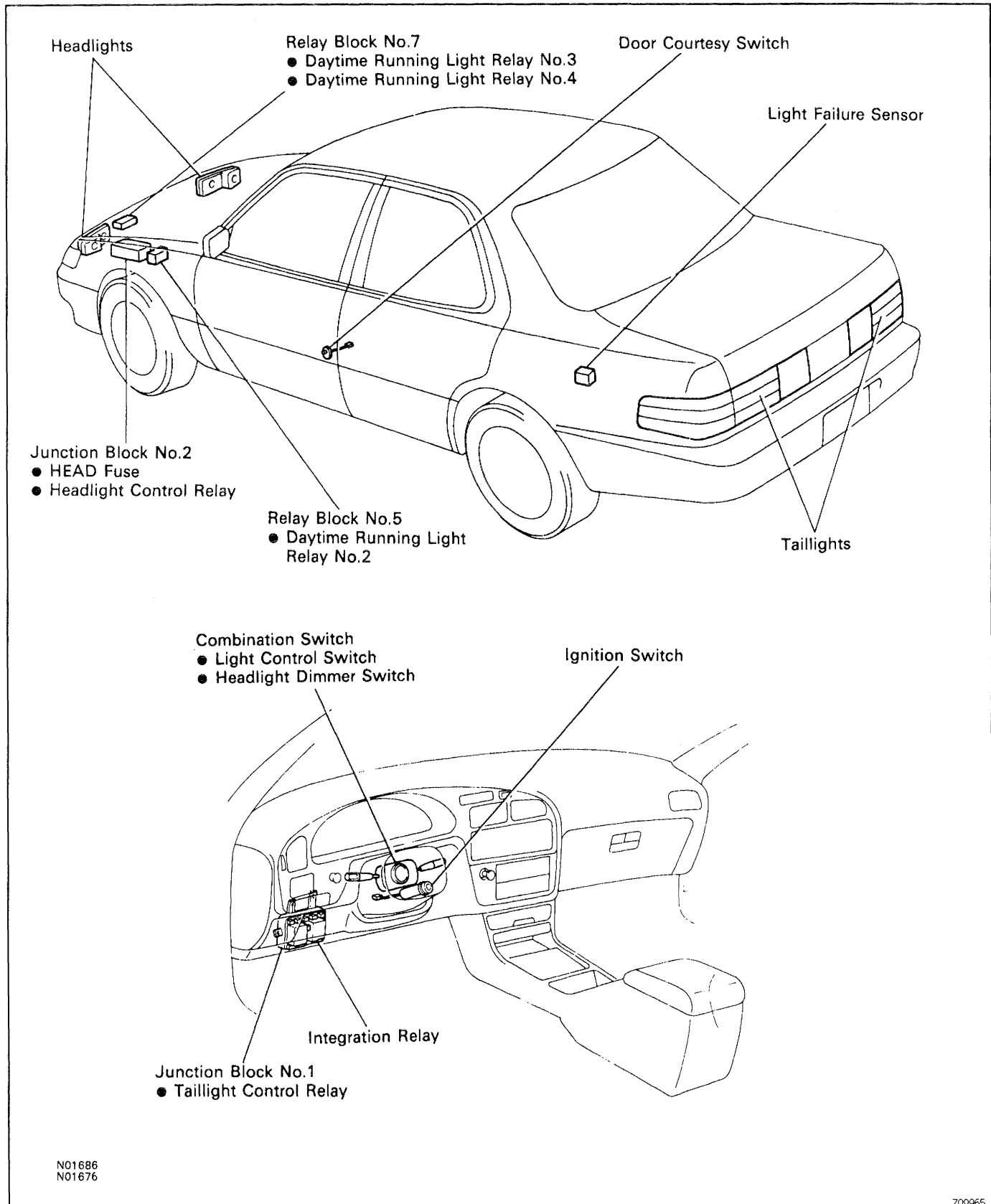
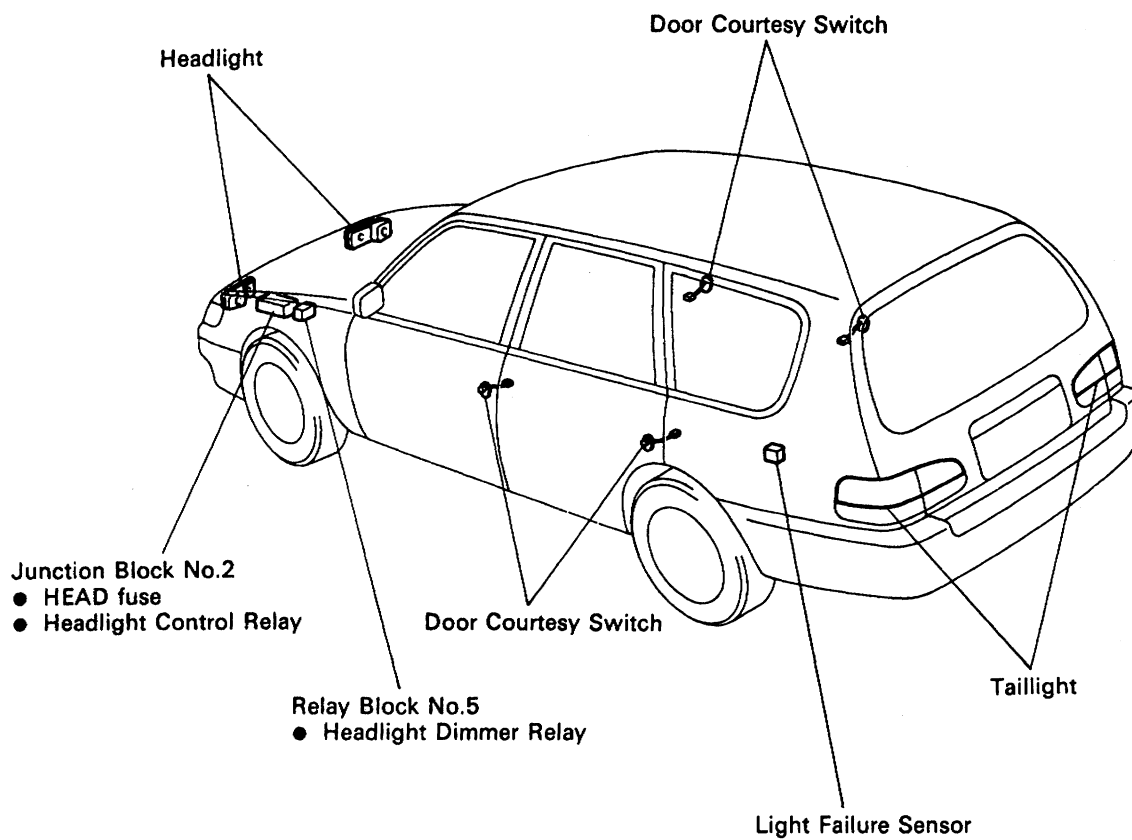


HEADLIGHT AND TAILLIGHT SYSTEM

PARTS LOCATION

BE1N7-02





TROUBLESHOOTING

The table below will be useful for you in troubleshooting these electrical problems. The most likely causes of the malfunction are shown in the order of their probability. Inspect each part in the order shown, and replace the part when it is found to be faulty.

HEADLIGHT (USA)

Trouble	Parts name (See page)
Headlight does not light. (Taillight is normal)	1. MAIN FL 2. Wire Harness 3. HEAD-(LH, RH) Fuse (BE-5) 4. Headlight Bulb
Headlight does not light. (Taillight does not light up)	1. MAIN FL 2. Wire Harness 3. Headlight Control Relay (BE-19) 4. HEAD-(LH, RH) Fuse (BE-5) 5. Headlight Bulb
Only one side light does not light.	1. HEAD-(LH, RH) Fuse (BE-5) 2. Headlight Bulb 3. Wire Harness
"Lo-Beam" does not light.	1. Wire Harness 2. Headlight Bulb 3. Light Control Switch (BE-18)
"Hi-Beam" does not light.	1. Headlight Dimmer Switch (BE-18) 2. Wire Harness 3. Light Control Switch (BE-18)
"Flash" does not light.	1. Headlight Dimmer Switch (BE-18) 2. Wire Harness
"Auto Turn -off System" does not operate.	1. Integration Relay (BE-23) 2. GAUGE Fuse (BE-5) 3. Ignition Switch (BE-8) 4. Door Courtesy Switch (Driver's) (BE-30) 5. Wire Harness 6. DOME Fuse (BE-5)

TAILLIGHT (USA)

Trouble	Parts name (See page)
Taillight does not light. (Headlight does not light)	1. Light Control Switch (BE-18) 2. Integration Relay (BE-23) 3. Wire Harness
Taillight does not light. (Headlight is normal)	1. TAIL Fuse (BE-5) 2. Taillight Control Relay (BE-19) 3. Light Control Switch (BE-18) 4. Integration Relay (BE-23) 5. Wire Harness
Only one side light does not light.	1. Bulb 2. Wire Harness
Rear Combination light does not light.	1. Wire Harness 2. Light Failure Sensor (BE-56) 3. Bulb
"Auto Turn-Off System" does not operate.	1. Integration Relay (BE-23) 2. Wire Harness 3. GAUGE Fuse (BE-5) 4. Door Courtesy Switch (Driver's) (BE-30)

HEADLIGHT (CANADA)

Trouble	Parts name (See page)
Headlight does not light. (Taillight is normal)	1. Wire Harness
Headlight does not light. (Taillight does not light up)	1. MAIN FL 2. Wire Harness
Only one side light does not light.	1. HEAD LO (LH, RH) Fuse (BE-5) 2. Headlight Bulb 3. Wire Harness
'Lo-Beam' does not light.	1. Headlight Control Relay (BE-19) 2. Light Control Switch (BE-18) 3. Integration Relay (BE-23) 4. Wire Harness 5. HEAD LO (LH, RH) Fuse (BE-5) 6. Headlight Bulb
"Hi-Beam" does not light.	1. DRL Fuse (BE-6) 2. Daytime Running Light Relay No.2 (BE-21) 3. Daytime Running Light Relay (Main) (BE-20) 4. Daytime Running Light Relay No.3 (BE-21) 5. Daytime Running Light Relay No.4 (BE-22) 6. ECU – B Fuse (BE-5) 7. Headlight Dimmer Switch (BE-18) 8. Wire Harness 9. HEAD HI (LH, RH) Fuse (BE-5) 10. Headlight Bulb

Trouble	Parts name	(See page)
"Flash" does not light.	1. DRL Fuse 2. Daytime Running Light Relay No.2 3. Daytime Running Light Relay (Main) 4. Daytime Running Light Relay No.3 5. Daytime Running Light Relay No.4 6. ECU – B Fuse 7. Headlight Dimmer Switch 8. Wire Harness 9. HEAD HI (L-H, RH) Fuse 10. Headlight Bulb	(BE-6) (BE-21) (BE-20) (BE-21) (BE-22) (BE-5) (BE-18) (BE-5)
"Auto Turn –off System" does not operate.	1. Integration Relay 2. GAUGE Fuse 3. Ignition Switch 4. Door Courtesy Switch (Driver's) 5. Wire Harness 6. DOME Fuse	(BE-23) (BE-5) (BE-8) (BE-30) (BE-5)
Headlight does not light with engine running and light control SW in OFF.	1. GAUGE Fuse 2. ECU – B Fuse 3. Other Parts 4. Daytime Running Light Relay (Main) 5. Wire Harness 6. HEAD HI (LH, RH) Fuse 7. Headlight Bulb	(BE-5) (BE-5) (BE-20) (BE-5)

*Terminal L of Generator and Parking Brake Switch

TAILLIGHT (CANADA)

Trouble	Parts name	(See page)
Taillight does not light, (Headlight does not light)	1. Light Control Switch 2. Integration Relay 3. Wire Harness	(BE-18) (BE-23)
Taillight does not light. (Headlight is normal)	1. TAIL Fuse 2. Taillight Control Relay 3. Light Control Switch 4. Integration Relay 5. Wire Harness	(BE-5) (BE-19) (BE-18) (BE-23)
Only one side light does not light.	1. Bulb 2. Wire Harness	
Rear Combination light does not light.	1. Wire Harness 2. Light Failure Sensor 3. Bulb	(BE-56)
"Auto Turn –Off System" does not operate.	1. Integration Relay 2. GAUGE Fuse 3. Wire Harness 4. Door Courtesy Switch (Drivers)	(BE-23) (BE-5) (BE-30)

*1: Terminal L of Generator and Parking Brake Switch

HEADLIGHT (CANADA)

Trouble	Parts name	(See page)
Headlight does not light. (Taillight is normal)	1. Wire Harness	
Headlight does not light. (Taillight does not light up)	1. MAIN FL 2. Wire Harness	
Only one side light does not light.	1. HEAD LO (LH, RH) Fuse 2. Headlight Bulb 3. Wire Harness	(BE-5)
"Lo-Beam" does not light.	1. Headlight Control Relay 2. Light Control Switch 3. Integration Relay 4. Wire Harness 5. HEAD LO (LH, RH) Fuse 6. Headlight Bulb	(BE-19) (BE-18) (BE-23) (BE-5)
"Hi-Beam" does not light.	1. DRL Fuse 2. Daytime Running Light Relay No.2 3. Daytime Running Light Relay (Main) 4. Daytime Running Light Relay No.3 5. Daytime Running Light Relay No.4 6. ECU – B Fuse 7. Headlight Dimmer Switch 8. Wire Harness 9. HEAD HI (LH, RH) Fuse 10. Headlight Bulb	(BE-6) (BE-21) (BE-20) (BE-21) (BE-22) (BE-5) (BE-18) (BE-5)
"Flash" does not light.	1. DRL Fuse 2. Daytime Running Light Relay No.2 3. Daytime Running Light Relay (Main) 4. Daytime Running Light Relay No.3 5. Daytime Running Light Relay No.4 6. ECU – B Fuse 7. Headlight Dimmer Switch 8. Wire Harness 9. HEAD HI (LH, RH) Fuse 10. Headlight Bulb	(BE-6) (BE-21) (BE-20) (BE-21) (BE-22) (BE-5) (BE-18) (BE-5)
"Auto Turn-off System" does not operate.	1. Integration Relay 2. GAUGE Fuse 3. Ignition Switch 4. Door Courtesy Switch (Driver's) 5. Wire Harness 6. DOME Fuse	(BE-23) (BE-5) (BE-8) (BE-30) (BE-5)
Headlight does not light with engine running and light control SW in OFF.	1. GAUGE Fuse 2. ECU – B Fuse 3*. Other Parts 4. Daytime Running Light Relay (Main) 5. Wire Harness 6. HEAD HI (LH, RH) Fuse 7. Headlight Bulb	(BE-5) (BE-5) (BE-20) (BE-5)

*Terminal L of Generator and Parking Brake Switch

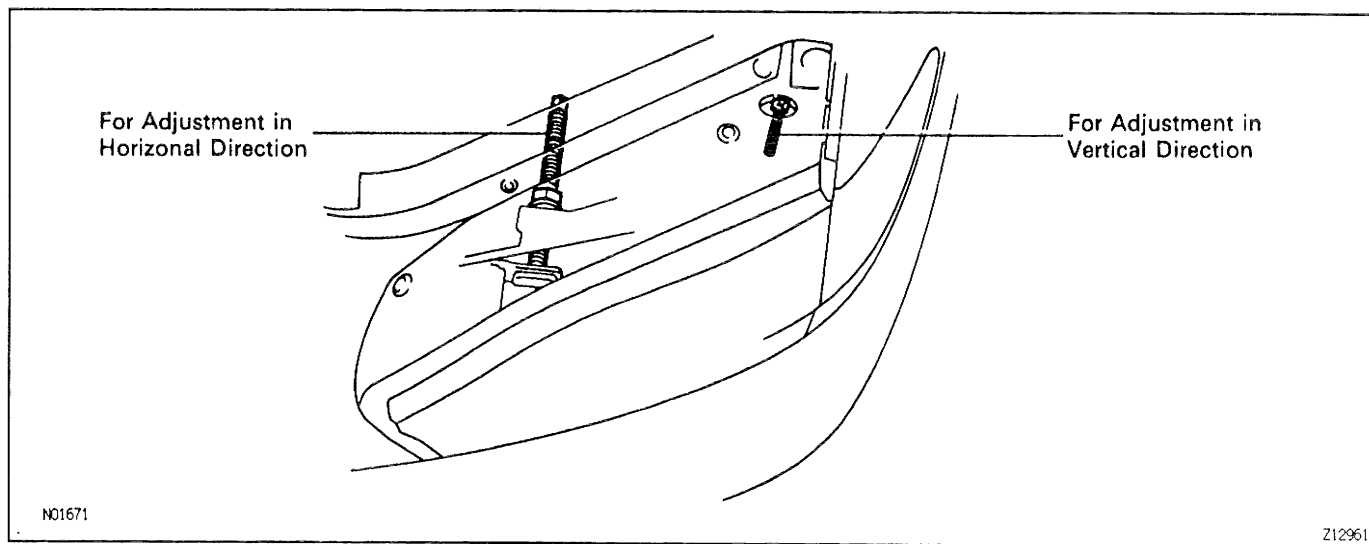
TAILLIGHT (CANADA)

Trouble	Parts name	(See page)
Taillight does not light. (Headlight does not light)	1. Light Control Switch 2. Integration Relay 3. Wire Harness	(BE-18) (BE-23)
Taillight does not light. (Headlight is normal)	1. TAIL Fuse 2. Taillight Control Relay 3. Light Control Switch 4. Integration Relay 5. Wire Harness	(BE-5) (BE-19) (BE-18) (BE-23)
Only one side light does not light.	1. Bulb 2. Wire Harness	
Rear Combination light does not light.	1. Wire Harness 2. Light Failure Sensor 3. Bulb	(BE-56)
"Auto Turn-Off System" does not operate.	1. Integration Relay 2. GAUGE Fuse 3. Wire Harness 4. Door Courtesy Switch (Driver's)	(BE-23) (BE-5) (BE-30)

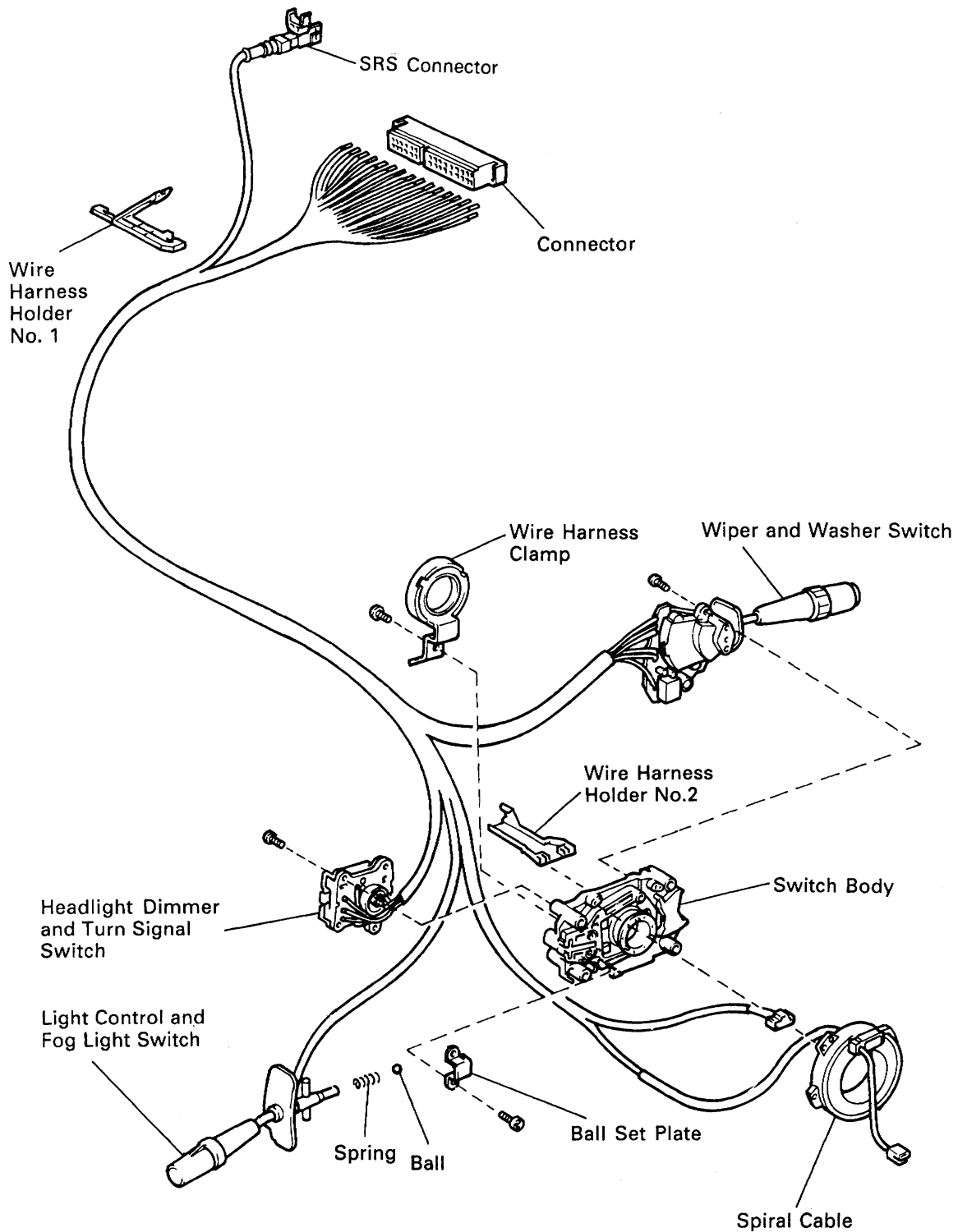
*1: Terminal L of Generator and Parking Brake Switch

HEADLIGHT AIM ADJUSTMENT

BE097-04



COMBINATION SWITCH DISASSEMBLY COMPONENTS

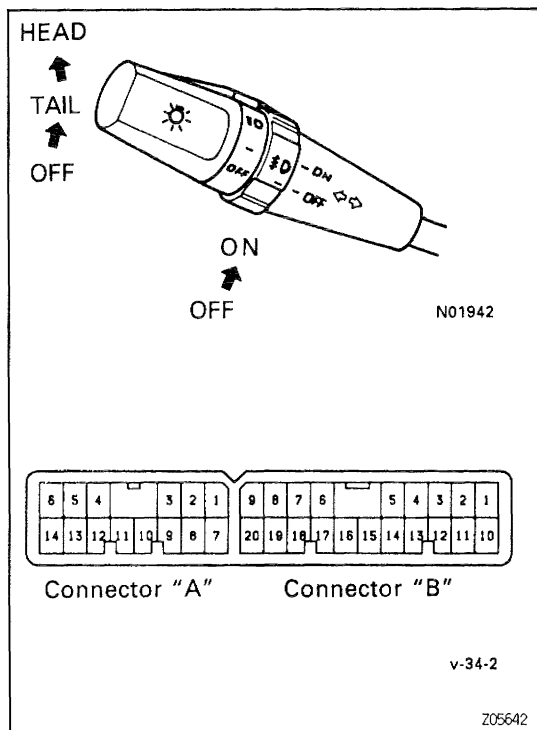


SPIRAL CABLE ADJUSTMENT

ADJUST SPILAL CABLE

See SR section

BE180-01



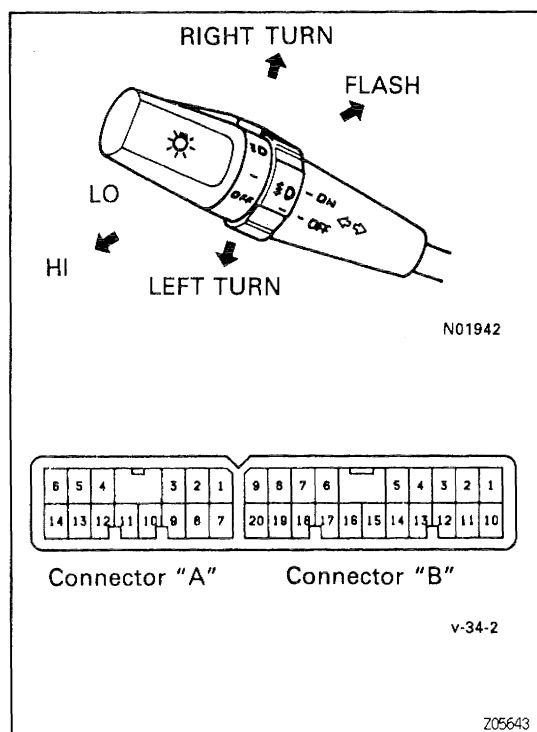
COMBINATION SWITCH INSPECTION

BE180-02

1. INSPECT LIGHT CONTROL SWITCH CONTINUITY

Switch position	Tester connection to terminal number	Specified condition
OFF	—	No continuity
TAIL	A2 - A 1 1	Continuity
HEAD	A2 -All -A13	Continuity

If continuity is not as specified, replace the switch.



2. INSPECT DIMMER SWITCH CONTINUITY

Switch position	Tester connection to terminal number	Specified condition
Flash	A9-A12-A14	Continuity
Low beam	A3 - A9	Continuity
High beam	A9-A12	Continuity

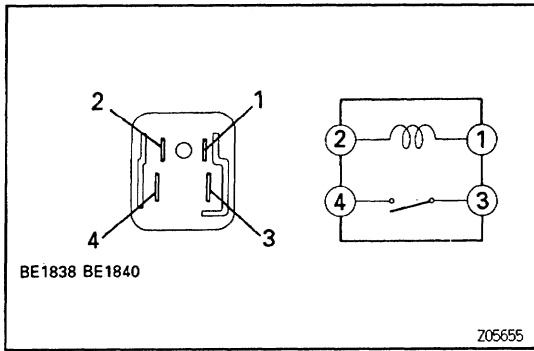
If continuity is not as specified, replace the switch.

3. INSPECT TURN SIGNAL SWITCH CONTINUITY

Switch position	Tester connection to terminal number	Specified condition
Left turn	A 1 - A5	Continuity
Neutral	—	No continuity
Right turn	A 1- A8	Continuity

If continuity is not as specified, replace the switch.

BE00D-09

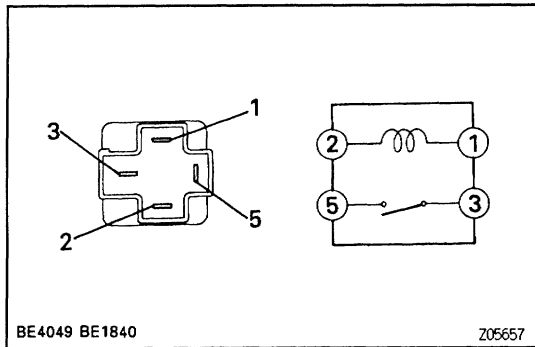


HEADLIGHT CONTROL RELAY INSPECTION

INSPECT HEADLIGHT CONTROL RELAY CONTINUITY

Condition	Tester connection to terminal number	Specified condition
Constant	1 -2	Continuity
Apply B + between terminals 1 and 2.	3-4	Continuity

If continuity is not as specified, replace the relay.



IE01T-07

TAILLIGHT CONTROL RELAY INSPECTION

INSPECT TAILLIGHT CONTROL RELAY CONTINUITY

Condition	Tester connection to terminal number	Specified condition
Constant	1-2	Continuity
Apply B+ between terminals 1 and 2.	3-5	Continuity

If continuity is not as specified, replace the relay.

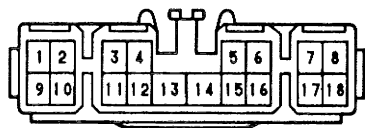
BE26C-01

LIGHT FAILURE SENSOR INSPECTION

INSPECT LIGHT FAILURE SENSOR

See page [BE-56](#)

Wire Harness Side



e-18-1

Z05640

DAYTIME RUNNING LIGHT RELAY (MAIN) INSPECTION (for CANADA)

INSPECT DAYTIME RUNNING LIGHT RELAY (MAIN) CIRCUIT

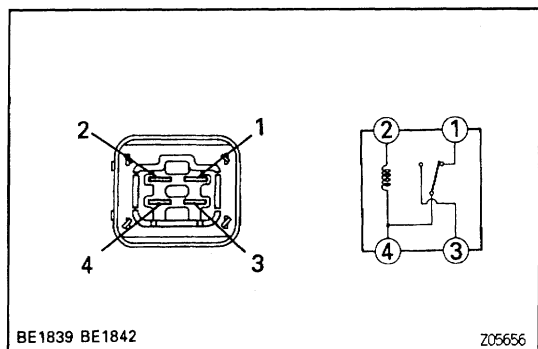
On wire harness side

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

Tester connection to terminal number	Condition	Specified Condition
5 – Ground	Light control switch position OFF or TAIL	No continuity
5 – Ground	Light control switch position HEAD	Continuity
5 – Ground	Headlight dimmer switch position Low beam or high beam	No continuity
5 – Ground	Headlight dimmer switch position Flash	Continuity
8 – Ground	Parking brake switch position OFF	No continuity
8 – Ground	Parking brake switch position ON	Continuity
13 – Ground	Constant	Continuity
16 – Ground	Headlight dimmer switch position Low beam	No continuity
16 – Ground	Headlight dimmer switch position Flash or High beam	Continuity
2 – Ground 18 – Ground	Ignition switch position LOCK or ACC	No voltage
2 – Ground 18 – Ground	Ignition switch position ON or START	Battery positive voltage
4 – Ground 15 – Ground 17 – Ground	Constant	Battery positive voltage
11 – Ground	Engine Stop	No voltage
11 – Ground	Engine Running	Battery positive voltage

If circuit is as specified, perform the inspection on the following page.

If circuit is not as specified, inspect the circuits connected to other parts.

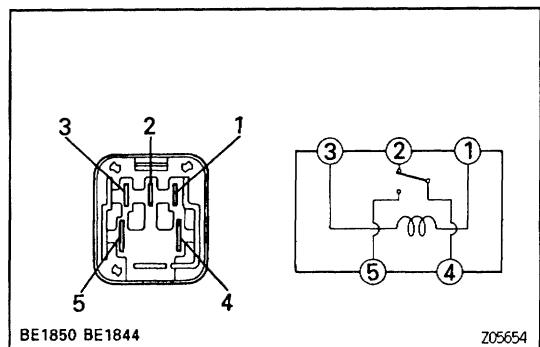


DAYTIME RUNNING LIGHT RELAY NO.2 INSPECTION (for CANADA)

INSPECT DAYTIME RUNNING LIGHT RELAY NO.2 CONTINUITY

Condition	Tester connection to terminal number	Specified condition
Constant	1-4 2-4	Continuity
Apply B+ between terminals 2 and 4.	3-4	Continuity

If continuity is not as specified, replace the relay.

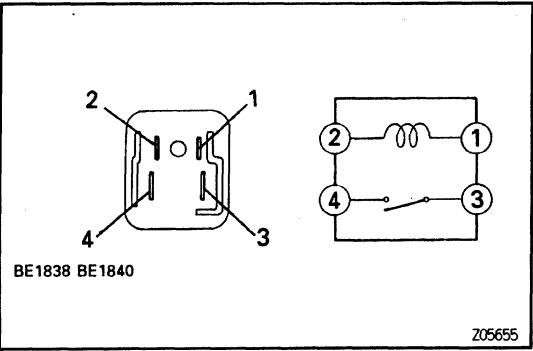


DAYTIME RUNNING LIGHT RELAY NO.3 INSPECTION (for CANADA)

INSPECT DAYTIME RUNNING LIGHT RELAY NO.3 CONTINUITY

Condition	Tester connection to terminal number	Specified condition
Constant	1-3 2-4	Continuity
Apply B + between terminals 1 and 3.	4-5	Continuity

If continuity is not as specified, replace the relay.



DAYTIME RUNNING LIGHT RELAY NO.4 INSPECTION

INSPECT DAYTIME RUNNING LIGHT RELAY NO.4 CONTINUITY

Condition	Tester connection to terminal number	Specified condition
Constant	1 -2	Continuity
Apply B + between terminals 1 and 2.	3-4	Continuity

If continuity is not as specified, replace the relay.

DOOR COURTESY SWITCH INSPECTION

INSPECT DOOR COURTESY SWITCH CONTINUITY

See page [BE-30](#)

PARKING BRAKE SWITCH INSPECTION

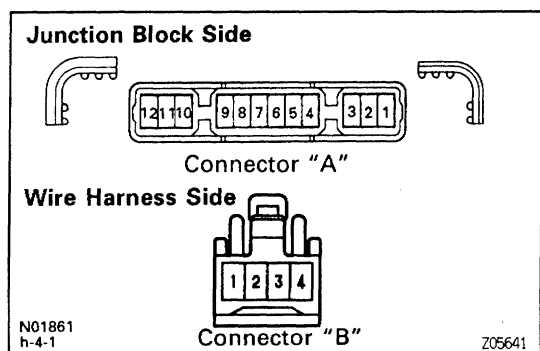
INSPECT PARKING BRAKE SWITCH CONTINUITY

See page [BE-55](#)

IGNITION SWITCH INSPECTION

INSPECT IGNITION SWITCH CONTINUITY

See page [BE-8](#)



INTEGRATION RELAY INSPECTION

INSPECT INTEGRATION RELAY CIRCUIT

Light Auto Turn Off System

Remove the relay from junction block and inspect the connectors on the wire harness and junction block side, as shown in the chart.

Tester connection to terminal number	Condition	Specified Condition
A6 – Ground	Driver's door courtesy switch OFF	No continuity
A6 – Ground	Driver's door courtesy switch ON	Continuity
A10 – Ground	Constant	Continuity
B1 – Ground	Light control switch position OFF	No continuity
B1 – Ground	Light control switch position TAIL and HEAD	Continuity
B4 – Ground	Light control switch position OFF or TAIL	No continuity
B4 – Ground	Light control switch position HEAD	Continuity
A1 – Ground	Constant	Battery positive voltage
A7 – Ground	Ignition switch position LOCK or ACC	No voltage
A7 – Ground	Ignition switch position ON	Battery positive voltage
B2 – Ground	Constant	Battery positive voltage
B3 – Ground	Constant	Battery positive voltage

If the circuit is as specified, try replacing the relay with a new one.

If the circuit is not as specified, inspect the circuits connected to other parts.