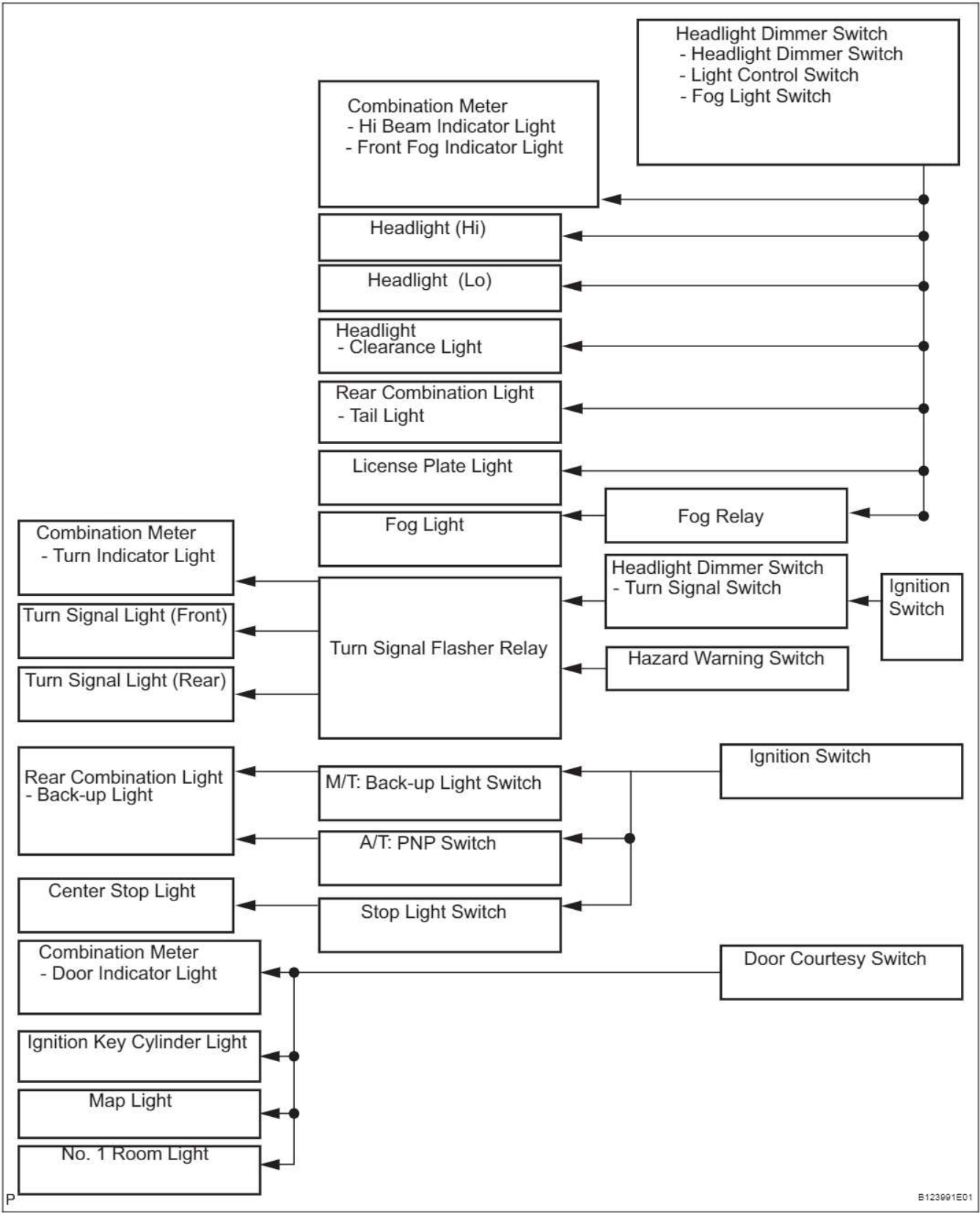


LIGHTING – LIGHTING SYSTEM

SYSTEM DIAGRAM

LI



LI-6

LIGHTING – LIGHTING SYSTEM

PROBLEM SYMPTOMS TABLE

HINT:

Use the table below to help determine the cause of the problem symptom. The potential causes of the symptoms are listed in order of probability in the "Suspected Area" column of the table. Check each symptom by checking the suspected areas in the order they are listed. Replace parts as necessary.

Headlight and taillight

Symptom	Suspected area	See page
"LO-Beam" does not come on (One side).	1. Bulb	-
	2. H-LP LH/H-LP LO RH fuse	-
	3. Wire harness	-
"LO-Beam" does not come on (All).	1. Headlight dimmer switch assembly	LI-31
	2. Wire harness	-
"HI-Beam" does not come on (One side).	1. Bulb	-
	2. H-LP LH/H-LP LO RH fuse	-
	3. Wire harness	-
"HI-Beam" does not come on (All).	1. Headlight dimmer switch assembly	LI-31
	2. Wire harness	-
"Flash" does not come on (All).	1. Headlight dimmer switch assembly	LI-31
	2. Wire harness	-
Headlight is dark.	1. Bulb	-
	2. Wire harness	-
Only one taillight comes on.	1. Bulb	-
	2. Wire harness	-
Both taillights do not come on (Headlights are normal).	1. TAIL fuse	-
	2. Headlight dimmer switch assembly	LI-31
	3. Wire harness	-
Both taillights do not come on (Headlights do not come on).	1. Headlight dimmer switch assembly	LI-31
	2. Wire harness	-

Front fog light system

Symptom	Suspected area	See page
Front fog lights do not come on with light control switch in the HEAD position (Headlights are normal).	1. FOG fuse	-
	2. Headlight dimmer switch assembly	LI-31
	3. Wire harness	-
Only one front fog light comes on.	1. Bulb	-
	2. Wire harness	-

Turn signal and hazard warning light system

Symptom	Suspected area	See page
"Hazard warning and Turn signal light" do not come on.	1. HAZ fuse	-
	2. Turn signal flasher relay	LI-40
	3. Wire harness	-
Hazard warning light does not come on (Turn signal is normal).	1. Hazard warning signal switch assembly	LI-31
	2. Turn signal flasher relay	LI-40
	3. Wire harness	-
Turn signal does not come on (Hazard warning light is normal).	1. Turn signal switch	LI-31
	2. Turn signal flasher relay	LI-40
	3. Wire harness	-

LIGHTING – LIGHTING SYSTEM**LI-7**

Symptom	Suspected area	See page
Turn signal does not come on in one direction.	1. Turn signal switch	LI-31
	2. Turn signal flasher relay	LI-40
	3. Wire harness	-
Only one bulb comes on.	1. Bulb	-
	2. Wire harness	-

Stop light system

Symptom	Suspected area	See page
Both stop lights do not come on.	1. STOP fuse	-
	2. Stop light switch assembly	LI-35
	3. Wire harness	-
Stop light always remains on.	1. Stop light switch assembly	LI-35
	2. Wire harness	-
Stop light does not come on (One side).	1. Bulb	-
	2. Wire harness	-

Back up light system

Symptom	Suspected area	See page
Both back-up lights do not come on.	1. GAUGE fuse	-
	2. Back-up light switch assembly (M/T)	LI-36
	3. Park/neutral position switch assembly (A/T)	AX-87
	4. Wire harness	-
Both back-up lights always remain ON.	1. Back-up light switch assembly (M/T)	LI-36
	2. Park/neutral position switch assembly (A/T)	AX-87
	3. Wire harness	-
Back-up light does not come on (One side).	1. Bulb	-
	2. Wire harness	-

Interior light system

Symptom	Suspected area	See page
Interior light does not come on (All).	1. DOME fuse	-
	2. Wire harness	-
Map light does not come on (No. 1 room light is normal).	1. Bulb	-
	2. Map light assembly	LI-27
	3. Wire harness	-
No. 1 room light does not come on (Map light is normal).	1. Bulb	-
	2. No. 1 room light assembly	LI-29
	3. Wire harness	-
Center cluster box illumination light does not come on.	1. Bulb	-
	2. Instrument cluster finish panel assembly center	LI-30
	3. Wire harness	-

ON-VEHICLE INSPECTION

1. CHECK ILLUMINATED ENTRY SYSTEM OPERATION

HINT:

The light that comes on upon entry is the No. 1 room light assembly.

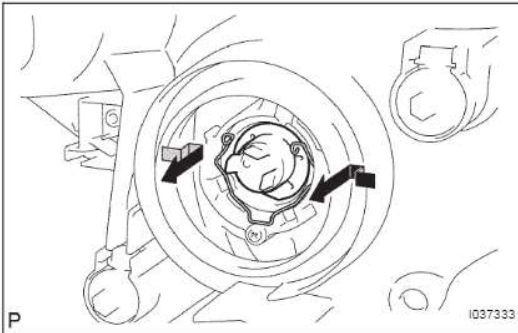
- (a) Turn the ignition switch OFF, close all the doors, and lock the driver's door.
- (b) Unlock the driver's door, open one of the doors, and check that the No. 1 room light assembly comes on. Then, close the door and check that the No. 1 room light assembly goes off after approximately 15 seconds.
- (c) Turn the ignition switch to the ON position, and open and close one of the doors. Check that the No. 1 room light assembly goes off immediately.
- (d) Turn the ignition switch OFF.
- (e) Open and close one of the doors to turn on the No. 1 room light assembly. Before the No. 1 room light assembly goes off, after approximately 15 seconds, turn the ignition switch to the ON position, and check that the No. 1 room light assembly goes off immediately.
- (f) Turn the ignition switch OFF.
- (g) Open and close one of the doors to turn on the No. 1 room light assembly. Before the No. 1 room light assembly goes off, after approximately 15 seconds, lock the driver's door, and check that the No. 1 room light assembly goes off immediately.

LIGHTING – HEADLIGHT ASSEMBLY**LI-11****DISASSEMBLY****HINT:**

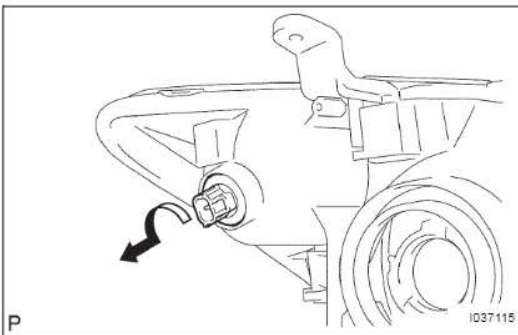
- Use the same procedures for the RH side and LH side.
- The procedures listed below are for the LH side.

1. REMOVE HEADLIGHT SOCKET COVER**2. REMOVE NO. 1 HEADLIGHT BULB**

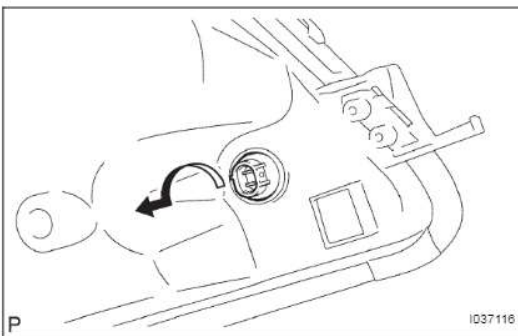
- (a) Release the lock of the set spring and remove the bulb.

**3. REMOVE FRONT TURN SIGNAL LIGHT BULB**

- (a) Remove the front turn signal light socket as shown in the illustration.
- (b) Remove the light bulb from the socket.

**4. REMOVE CLEARANCE LIGHT BULB**

- (a) Remove the clearance light socket as shown in the illustration.
- (b) Remove the bulb from the socket.

**LI**

LI-12

LIGHTING – HEADLIGHT ASSEMBLY

ADJUSTMENT

1. ADJUST HEADLIGHT AIM ONLY

HINT:

- Perform aiming adjustment with Low-beam.
- Since the Low-beam light and the High-beam light is a unit, if aiming on either side is correct, the other side should also be correct. However, check both beams just to make sure.

(a) Prepare vehicle in the following conditions.

- Check that any damage or deformation does not exist on the body around the headlights.
- Fuel tank is full.
- The tire inflation pressure is at the specified level. (See page [TW-3](#))
- Vehicle is parked at a level surface.
- A person having an average weight (68 kg (149.14 lb.)) sits in the driver's seat.
- Vehicle is bounced up and down to stabilize the suspension to the normal position.

(b) Prepare a thick white paper (Draw base lines).

HINT:

- Stand the paper perpendicular against a wall.
 - The base lines differ for "Low-beam inspection" and "High-beam inspection".
- (1) V line (Vehicle center position): Draw a vertical line down the center of the paper in order to align it with the center of the vehicle.
 - (2) H line (Headlight height): Draw a horizontal line across the paper at the same height from the ground as the center mark for the Low-beam lights.
 - (3) V LH line, V RH line (Center mark position of right and left headlights): Draw vertical lines, for left & right, at the same position as the center mark for the Low-beam lights.

HINT:

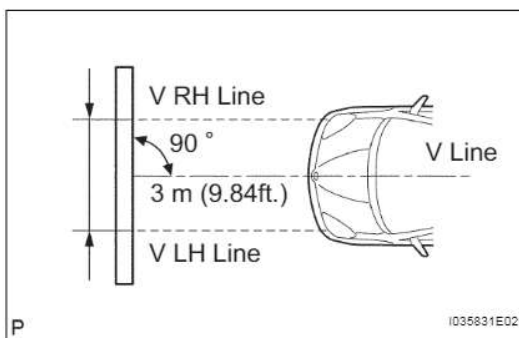
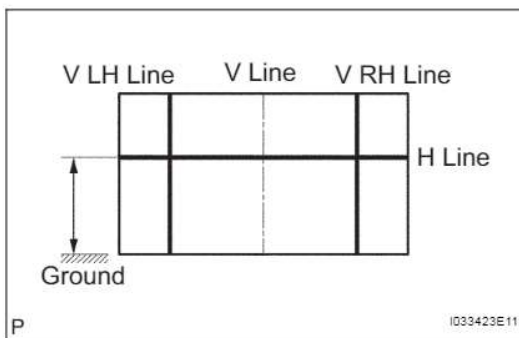
Follow the same procedures when adjusting the High-beam lights.

(c) Check the headlight aiming.

(1) Align the position of the paper and vehicle.

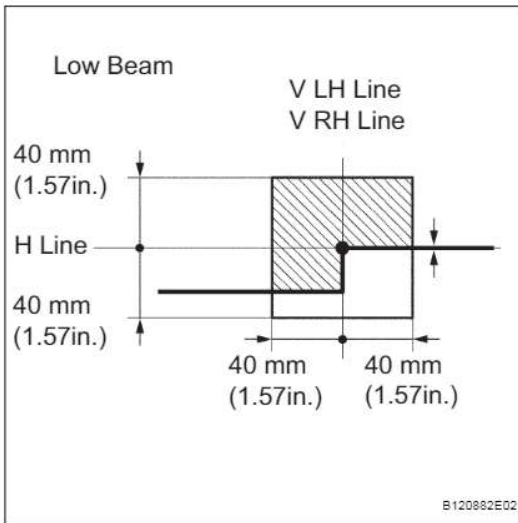
- Make the distance of 3 m (9.84 ft.) between the headlights and the paper, and put the paper on the wall with the H line being at the same height as the center mark.
- Align the center of the vehicle with the V line on the paper, and ensure that the paper is at a 90° angle in accordance to the V line.

(2) Start the engine.

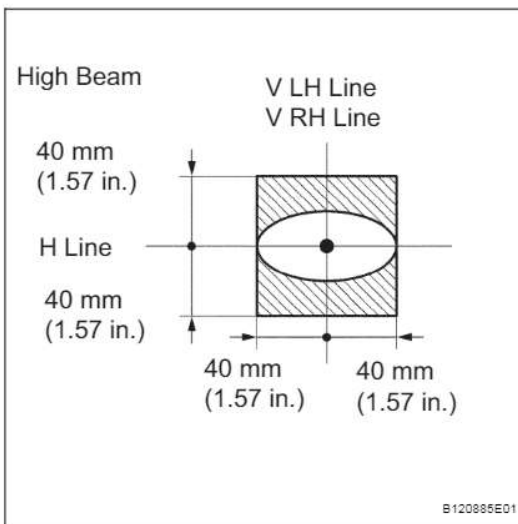


LIGHTING – HEADLIGHT ASSEMBLY

LI-13

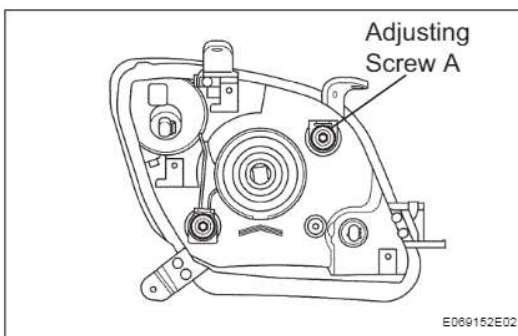


- (3) Turn on the headlights and check that the aim is within the specified values shown in the illustration.



HINT:

When checking the aiming of the High-beam, shut off the Low-beam or disconnect the Low-beam headlight connector.



- (d) Adjust the aiming in the vertical direction: Using a screwdriver, adjust the headlight aim to within the specified range by turning the adjusting screw A.

NOTICE:

- Adjust the headlight aim by turning the screw in the tightening direction.
- When the screw is tightened excessively, loosen it once and re-tighten it to adjust the headlight aim.

HINT:

The optical axis aim moves downward when turning the screwdriver clockwise, and it moves upward when turning the screwdriver counterclockwise.

REASSEMBLY

1. INSTALL HIGH MOUNTED STOP LIGHT BULB

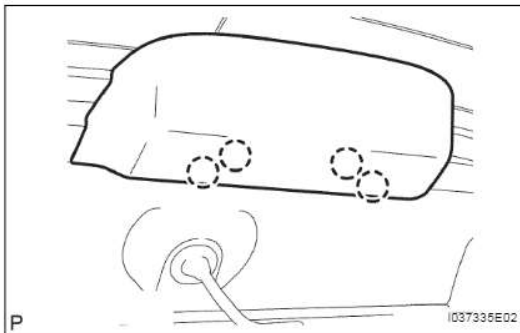
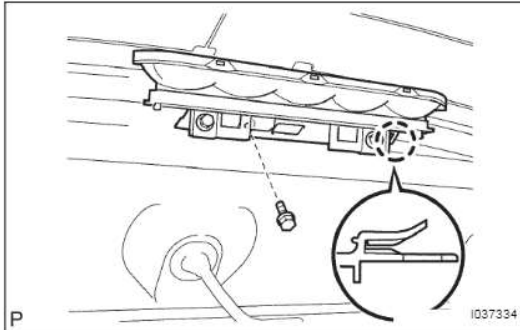
- (a) Install the light bulb to the light socket.
- (b) Install the light socket.

INSTALLATION

1. INSTALL HIGH MOUNTED STOP LIGHT ASSEMBLY

- (a) Attach the claw to install the stop light. Then install the bolt to the stop light.
- (b) Connect the connector.

LI



2. INSTALL HIGH MOUNTED STOP LIGHT COVER

- (a) Attach the 4 claws to install the stop light.

3. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL

4. PERFORM INITIALIZATION

- (a) Perform initialization (see page [IN-23](#)).

NOTICE:

Certain systems need to be initialized after disconnecting and reconnecting the cable from the negative (-) battery terminal.

LIGHTING SYSTEM

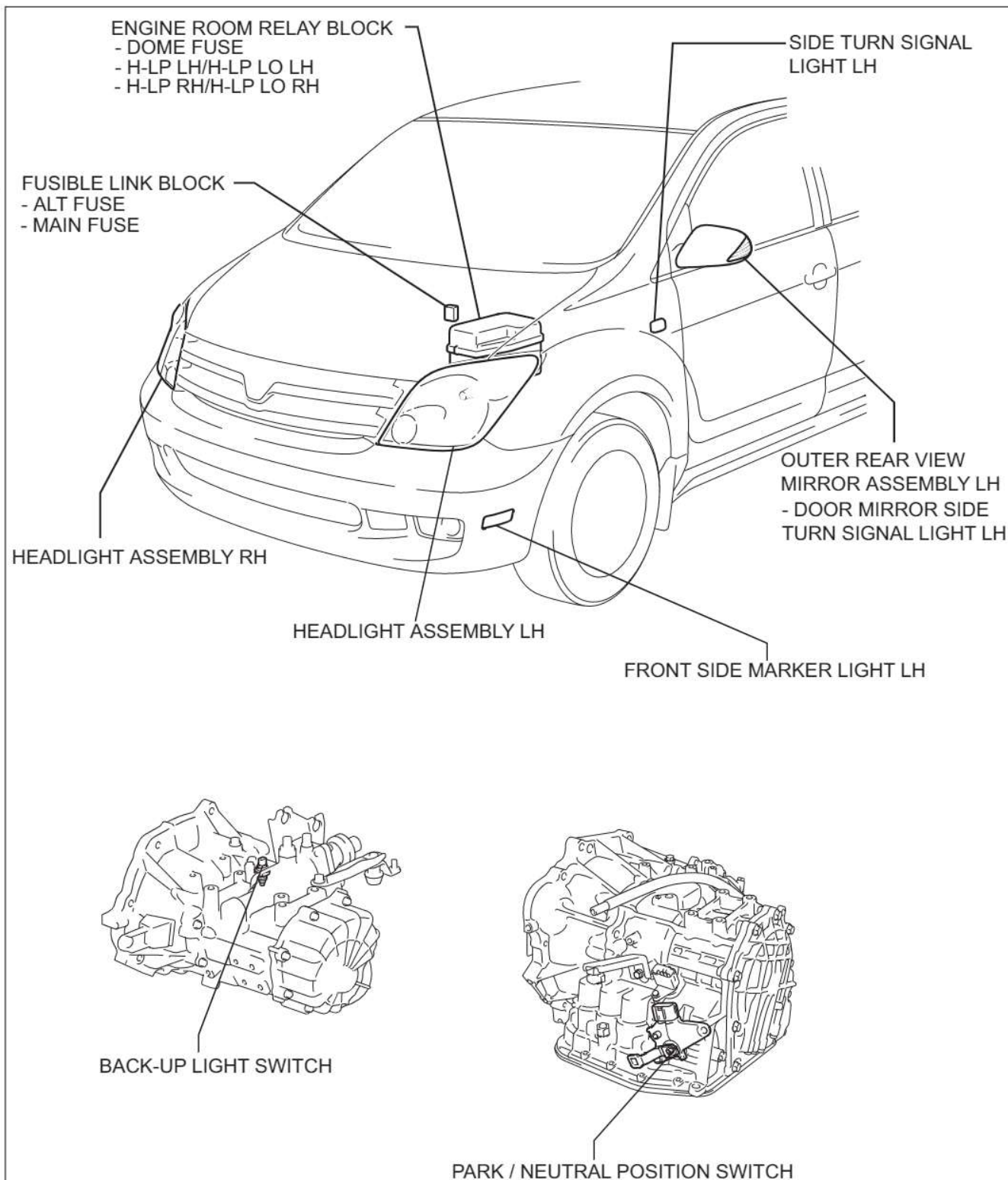
PRECAUTION

1. PRECAUTION OF HEADLIGHT BULB REPLACEMENT

- (a) If the surface halogen light (headlight) is coated with oil, light service life is shortened because of the heat generated when the light is on.
- (b) Since the internal pressure of the halogen light bulb (headlight) is high, handle carefully. It may explode if dropped.
- (c) Try not to handle the lens too much when changing the light because it could result in a dirty or moist lens. Always prepare a new bulb before starting the replacement.
- (d) Always replace the bulb with one of the same wattage.
- (e) In order to avoid a cloudy lens or leakage, firmly reinstall the socket after bulb replacement.

LI

LI-2

LIGHTING – LIGHTING SYSTEM**PARTS LOCATION**

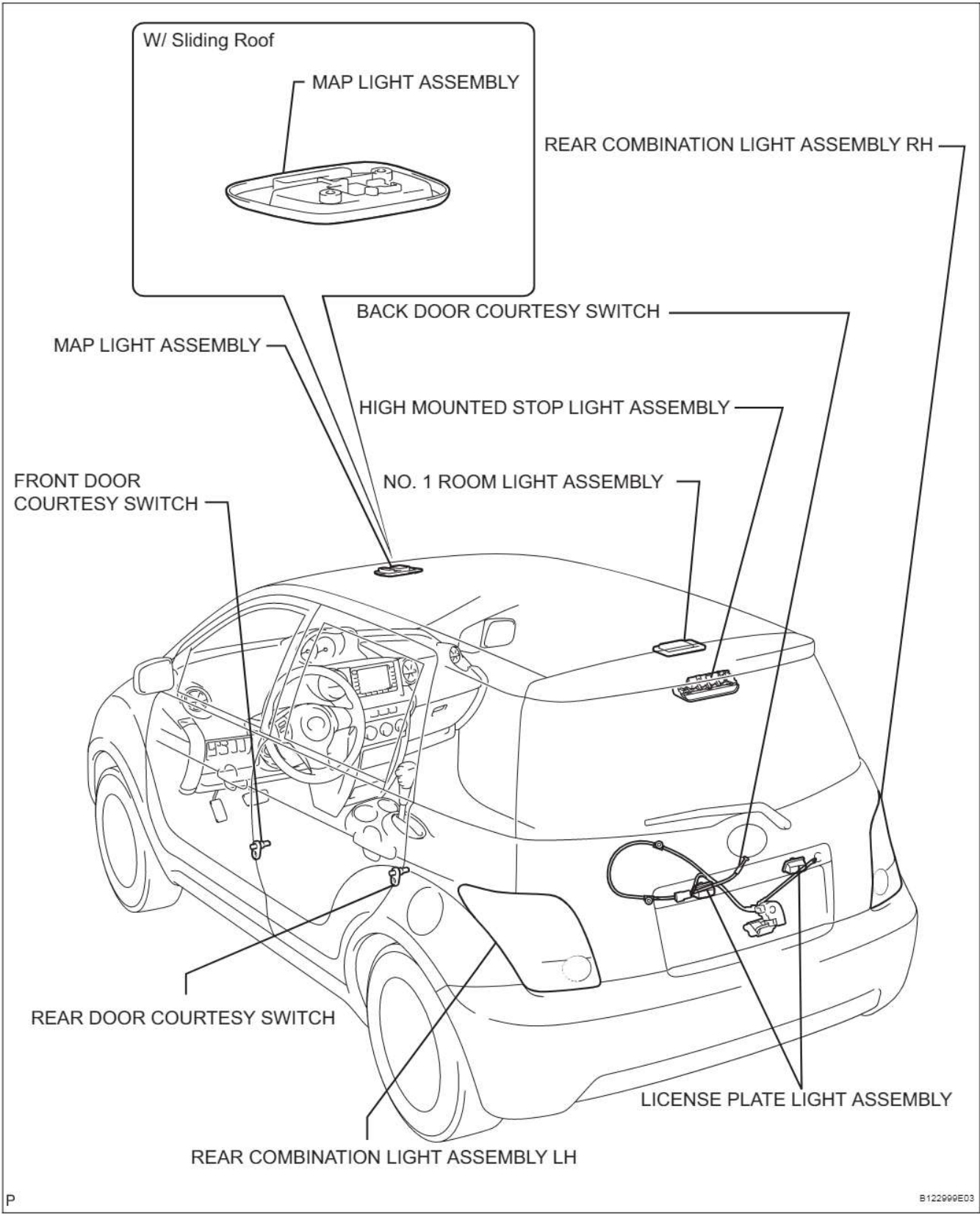
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LIGHTING – LIGHTING SYSTEM

LI-3

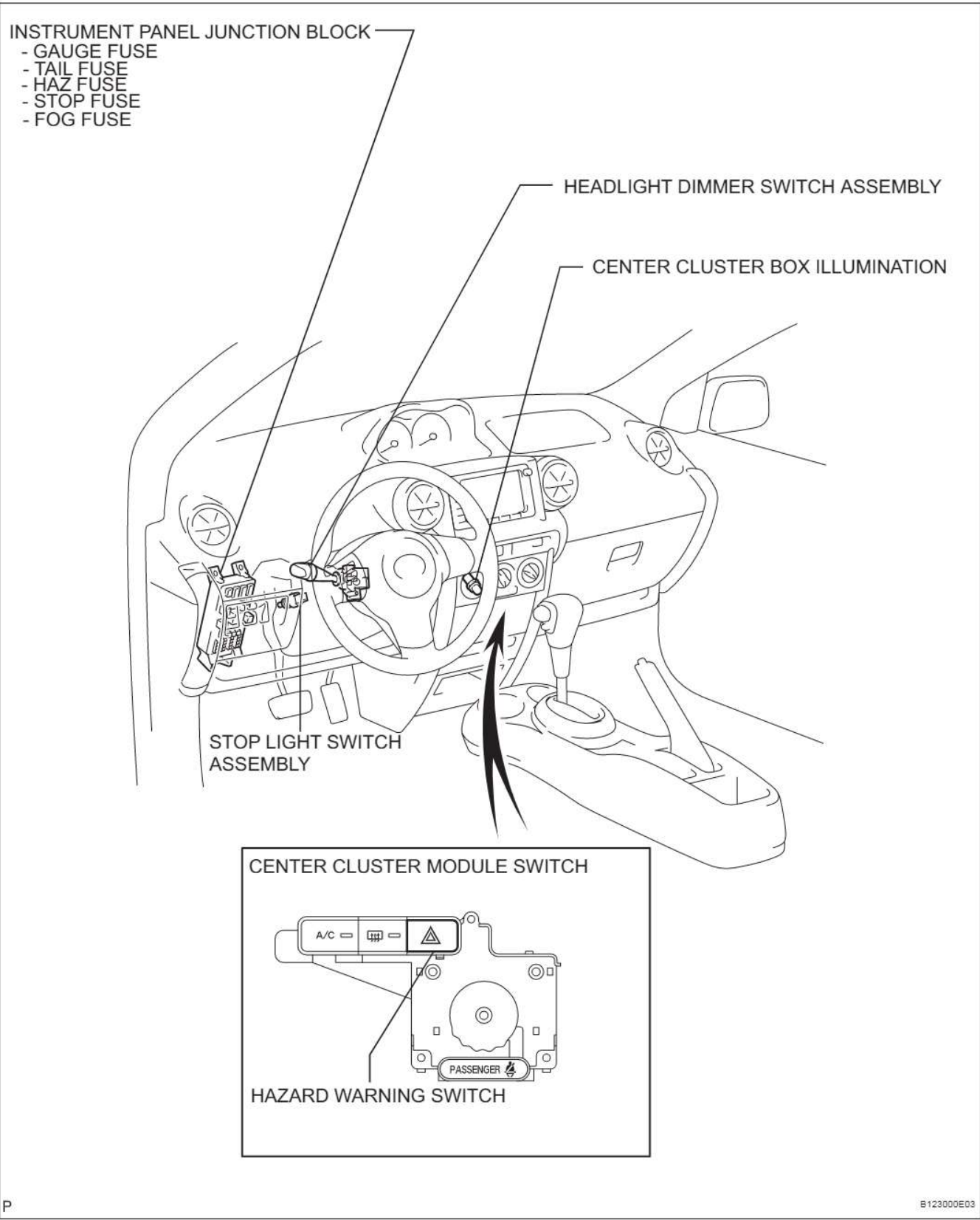
LI



LI-4

LIGHTING – LIGHTING SYSTEM

LI



LI-14

LIGHTING – HEADLIGHT ASSEMBLY

REASSEMBLY

HINT:

- Use the same procedures for the RH side and LH side.
- The procedures listed below are for the LH side.

1. INSTALL CLEARANCE LIGHT BULB

- (a) Install the bulb to the socket.
- (b) Install the clearance light socket.

2. INSTALL FRONT TURN SIGNAL LIGHT BULB

- (a) Install the bulb to the socket.
- (b) Install the front turn signal light socket.

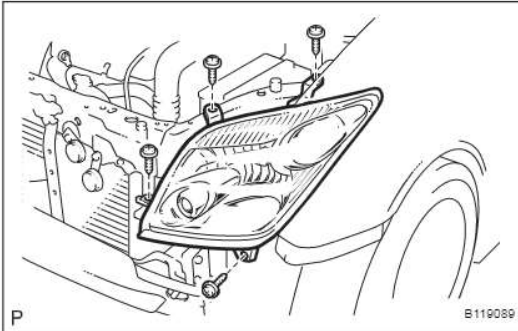
3. INSTALL NO.1 LIGHT BULB

- (a) Release the lock of the set spring and install the headlight No. 1 bulb.

INSTALLATION

HINT:

- Use the same procedures for the RH side and LH side.
- The procedures listed below are for the LH side.

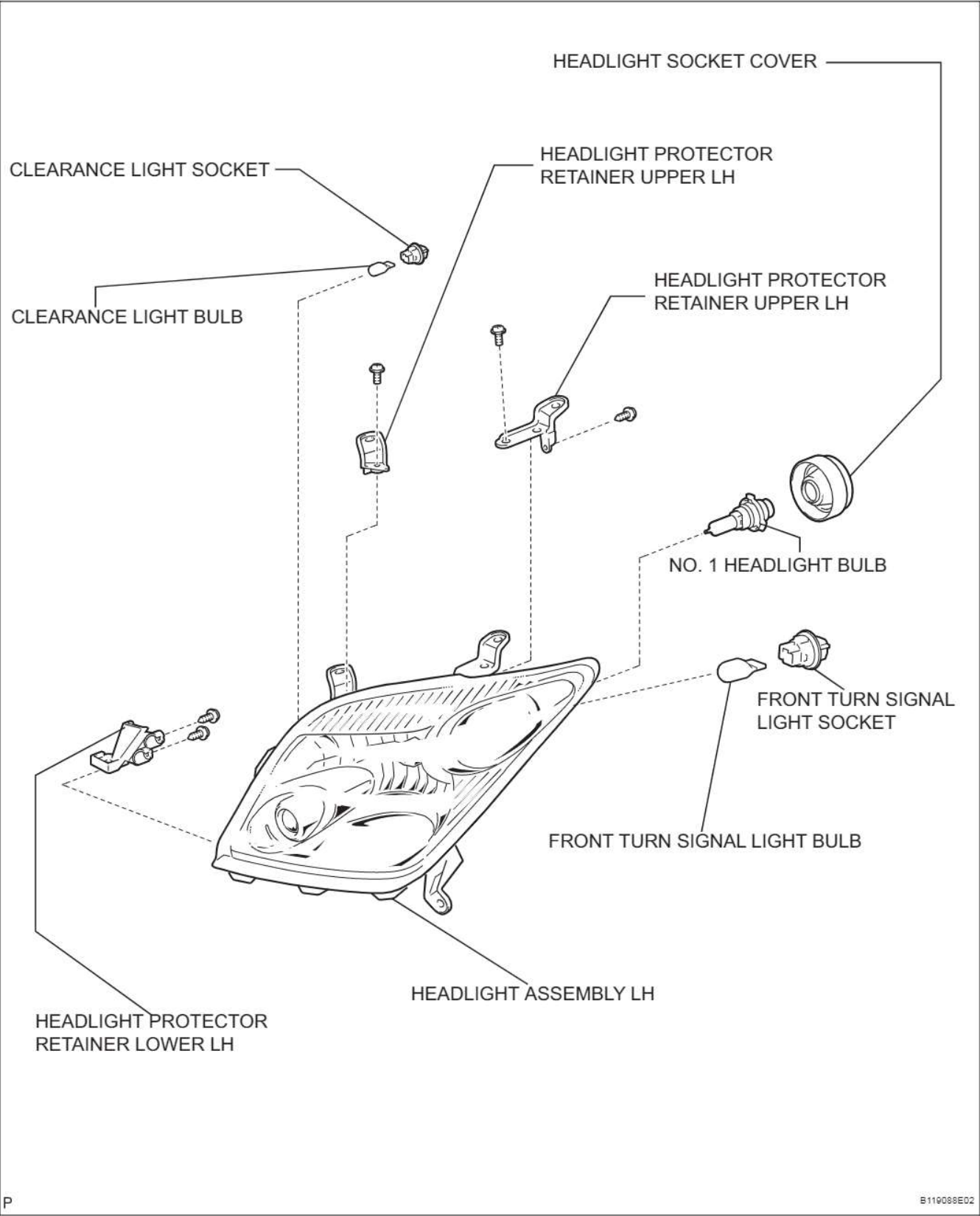


1. **INSTALL HEADLIGHT ASSEMBLY LH**
 - (a) Install the headlight with the 4 screws.
 - (b) Connect the connectors.
2. **INSTALL FRONT BUMPER COVER** (See page [ET-6](#))
3. **INSTALL FRONT SPOILER PAD LH** (See page [ET-5](#))
4. **INSTALL FRONT SPOILER PAD RH** (See page [ET-5](#))
5. **INSTALL RADIATOR GRILLE** (See page [ET-14](#))
6. **INSTALL HEADLIGHT ASSEMBLY** (See page [LI-11](#))
7. **CONNECT CABLE TO NEGATIVE BATTERY TERMINAL**
8. **PERFORM INITIALIZATION**
 - (a) Perform initialization (see page [IN-23](#)).

NOTICE:

Certain systems need to be initialized after disconnecting and reconnecting the cable from the negative (-) battery terminal.

HEADLIGHT ASSEMBLY
COMPONENTS



LI-10

LIGHTING – HEADLIGHT ASSEMBLY

REMOVAL

HINT:

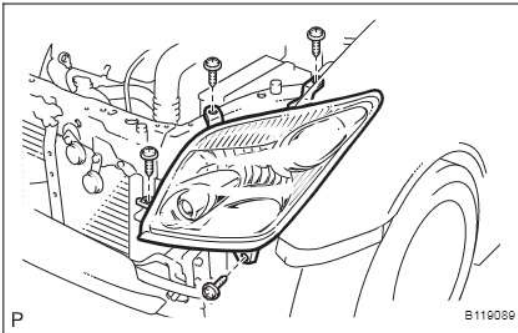
- Use the same procedures for the RH side and LH side.
- The procedures listed below are for the LH side.

1. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL**CAUTION:**

Wait at least 90 seconds after disconnecting the cable from the negative (-) battery terminal to prevent airbag and seat belt pretensioner activation.

2. REMOVE RADIATOR GRILLE (See page ET-13)**3. REMOVE FRONT SPOILER PAD LH (See page ET-4)****4. REMOVE FRONT SPOILER PAD RH (See page ET-4)****5. REMOVE FRONT BUMPER COVER (See page ET-3)****6. REMOVE HEADLIGHT ASSEMBLY LH**

- (a) Remove the 4 screws.
- (b) Disconnect the connectors.
- (c) Remove the headlight.



LI-16

LIGHTING – HEADLIGHT ASSEMBLY

REPAIR

1. INSTALL HEADLIGHT PROTECTOR RETAINER UPPER RH

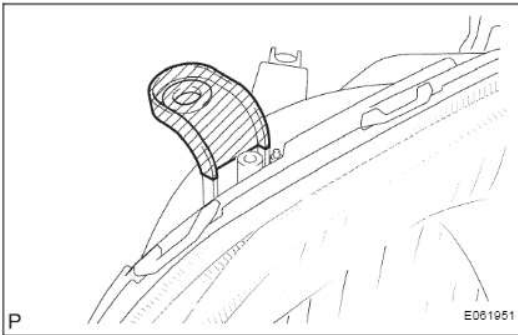
HINT:

To minimize damage to the headlight unit in case of a collision, the stays for the headlight unit have been constructed to break off. The stays are available as supply parts for low-cost repair.

- (a) Cut off the part shaded in the illustration and smooth with sandpaper.

NOTICE:

After cutting off the part, place the headlight protector retainer upper LH against the bosses and gradually file any interfering part until the proper conditions for installation are met.

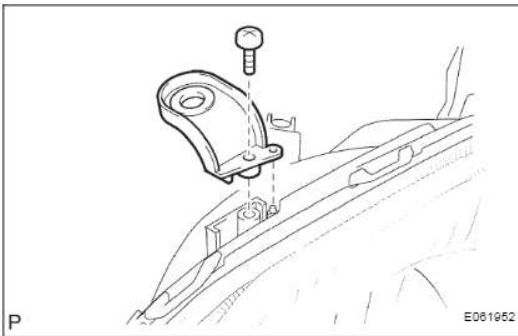


- (b) Install the retainer with the screw.

2. INSTALL HEADLIGHT PROTECTOR RETAINER UPPER LH

HINT:

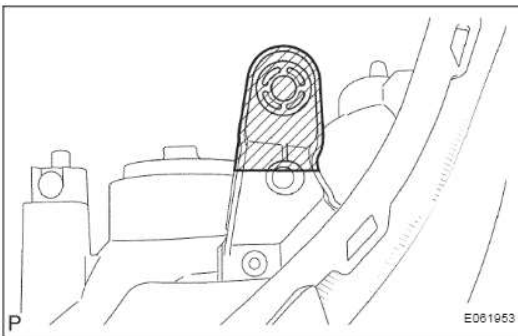
To minimize damage to the headlight unit in case of a collision, the stays for the headlight unit have been constructed to break off. The stays are available as supply parts for low-cost repair.



- (a) Cut off the part shaded in the illustration and smooth it with sandpaper.

NOTICE:

After cutting off the part, place the headlight protector retainer upper LH against the bosses and gradually file any interfering part until the proper conditions for installation are met.

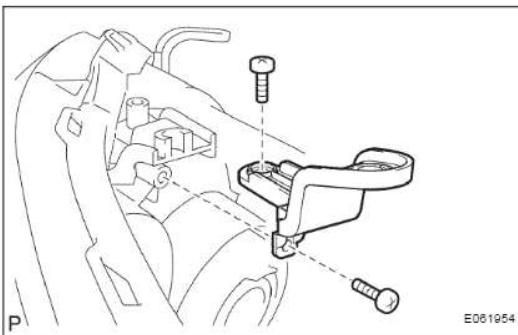


- (b) Install the retainer with the 2 screws.

3. INSTALL HEADLIGHT PROTECTOR RETAINER LOWER LH

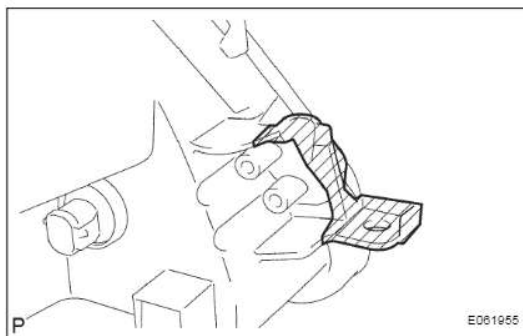
HINT:

To minimize damage to the headlight unit in case of a collision, the stays for the headlight unit have been constructed to break off. The stays are available as supply parts for low-cost repair.



LIGHTING – HEADLIGHT ASSEMBLY

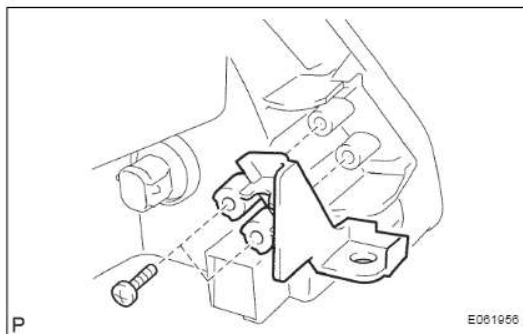
LI-17



- (a) Cut off the part shaded in the illustration and smooth with sandpaper.

NOTICE:

After cutting off the part, place the headlight protector retainer lower LH against the bosses and gradually file any interfering part until the proper conditions for installation are met.

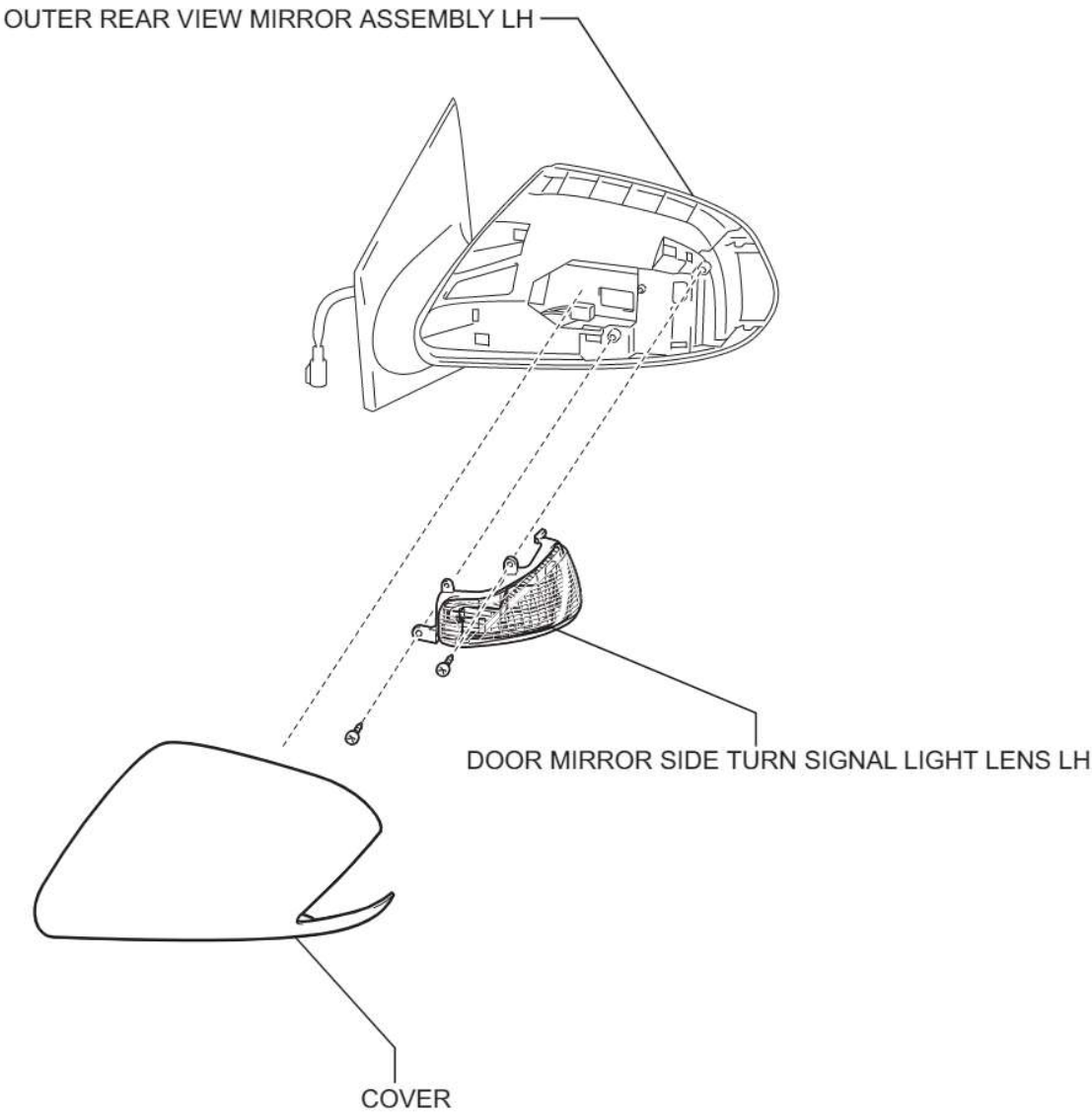


- (b) Install the retainer with the 2 screws.

LI

SIDE TURN SIGNAL LIGHT ASSEMBLY
COMPONENTS

Door Mirror Side Turn Signal Light



LI

LI-16

LIGHTING – SIDE TURN SIGNAL LIGHT ASSEMBLY

REMOVAL

HINT:

- Use the same procedures for the RH side and LH side.
- The procedures listed below are for the LH side.

1. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL

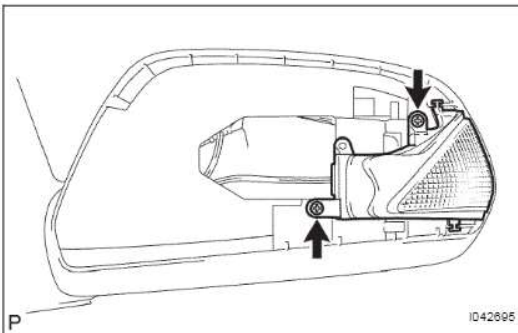
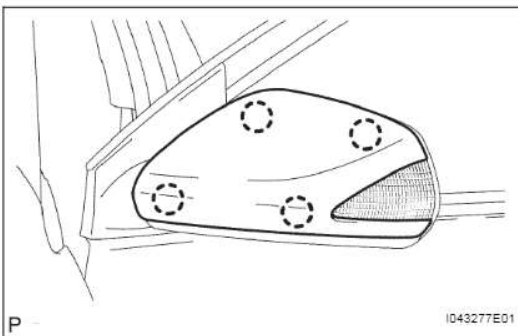
CAUTION:

Wait at least 90 seconds after disconnecting the cable from the negative (-) battery terminal to prevent airbag and seat belt pretensioner activation.

2. REMOVE OUTER REAR VIEW MIRROR ASSEMBLY LH (See page [MI-7](#))

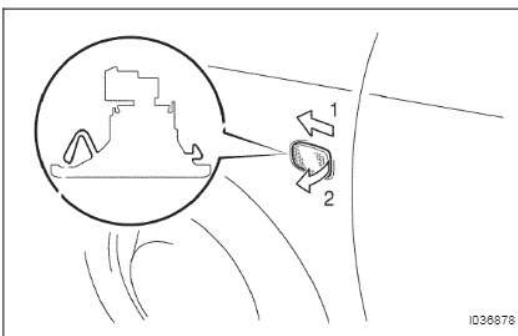
3. REMOVE DOOR MIRROR SIDE TURN SIGNAL LIGHT LENS LH

- (a) Detach the 4 claws and remove the cover.



- (b) Remove the 2 screws.

- (c) Disconnect the connector and remove the side turn signal light lens.



4. REMOVE SIDE TURN SIGNAL LIGHT ASSEMBLY LH

- (a) Pull the side turn signal light lens LH as shown in the illustration, and detach the claw.
- (b) Disconnect the connector and remove the light.

DISASSEMBLY

HINT:

- Use the same procedures for the RH side and LH side.
- The procedures listed below are for the LH side.

1. REMOVE SIDE TURN SIGNAL LIGHT BULB

- (a) Remove the light socket.
- (b) Remove the light bulb from the light socket.

LI

LI-18**LIGHTING – SIDE TURN SIGNAL LIGHT ASSEMBLY**

REASSEMBLY**HINT:**

- Use the same procedures for the RH side and LH side.
- The procedures listed below are for the LH side.

1. INSTALL SIDE TURN SIGNAL LIGHT BULB

- (a) Install the light bulb to the light socket.
- (b) Install the light socket.

LI

LI-18

LIGHTING – FRONT SIDE MARKER LIGHT ASSEMBLY

FRONT SIDE MARKER LIGHT ASSEMBLY

REMOVAL

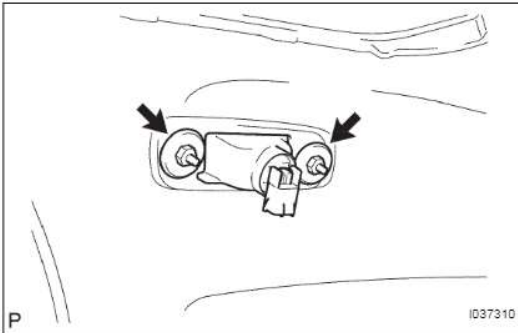
HINT:

- Use the same procedures for the RH side and LH side.
- The procedures listed below are for the LH side.

1. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL**CAUTION:**

Wait at least 90 seconds after disconnecting the cable from the negative (-) battery terminal to prevent airbag and seat belt pretensioner activation.

- 2. REMOVE RADIATOR GRILLE** (See page [ET-13](#))
- 3. REMOVE FRONT SPOILER PAD LH** (See page [ET-4](#))
- 4. REMOVE FRONT SPOILER PAD RH** (See page [ET-4](#))
- 5. REMOVE FRONT BUMPER COVER** (See page [ET-3](#))
- 6. REMOVE FRONT SIDE MARKER LIGHT ASSEMBLY LH**
 - (a) Remove the 2 nuts and front marker light.



DISASSEMBLY

HINT:

- Use the same procedures for the RH side and LH side.
- The procedures listed below are for the LH side.

1. REMOVE FRONT SIDE MARKER LIGHT BULB

- (a) Remove the light socket.
- (b) Remove the light bulb from the light socket.

LI

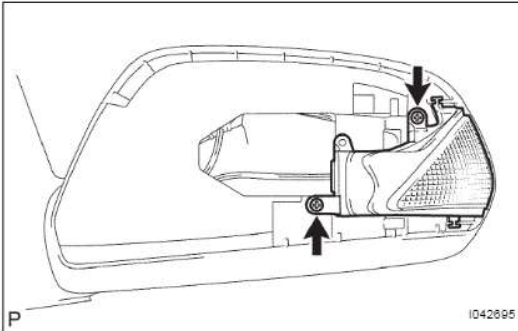
INSTALLATION

HINT:

- Use the same procedures for the RH side and LH side.
- The procedures listed below are for the LH side.

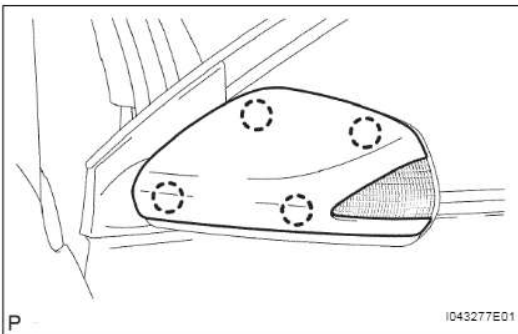
1. INSTALL SIDE TURN SIGNAL LIGHT ASSEMBLY LH

- (a) Connect the connector and install the side turn signal light.
- (b) Attach the side turn signal light with the 2 claws and install the light.



2. INSTALL DOOR MIRROR SIDE TURN SIGNAL LIGHT LENS LH

- (a) Connect the connector and install the side turn signal light lens.
- (b) Install the 2 screws.



- (c) Attach the 4 claws and install the cover.

3. INSTALL OUTER REAR VIEW MIRROR ASSEMBLY LH (See page [MI-9](#))

4. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL

5. PERFORM INITIALIZATION

- (a) Perform initialization (see page [IN-23](#)).

NOTICE:

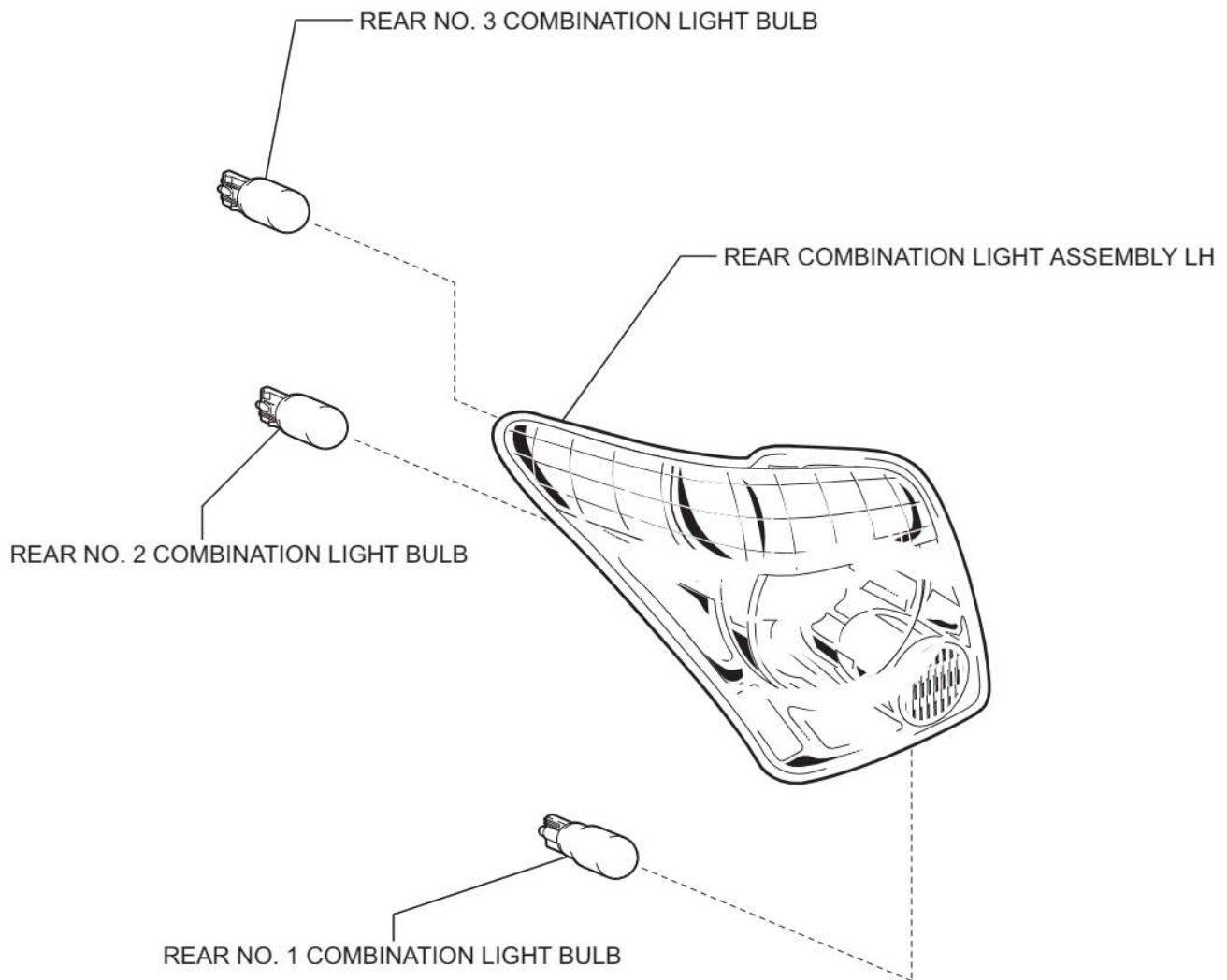
Certain systems need to be initialized after disconnecting and reconnecting the cable from the negative (-) battery terminal.

LI-20

LIGHTING - REAR COMBINATION LIGHT ASSEMBLY

REAR COMBINATION LIGHT ASSEMBLY COMPONENTS

LI



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REMOVAL

HINT:

- Use the same procedures for the RH side and LH side.
- The procedures listed below are for the LH side.

1. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL

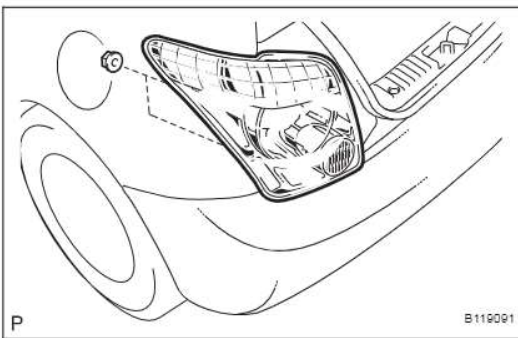
CAUTION:

Wait at least 90 seconds after disconnecting the cable from the negative (-) battery terminal to prevent airbag and seat belt pretensioner activation.

2. REMOVE REAR COMBINATION LIGHT SERVICE COVER LH

3. REMOVE REAR COMBINATION LIGHT ASSEMBLY LH

- (a) Disconnect the connector.
- (b) Remove the 2 nuts and rear combination light.



LI-20**LIGHTING – FRONT SIDE MARKER LIGHT ASSEMBLY**

REASSEMBLY**HINT:**

- Use the same procedures for the RH side and LH side.
- The procedures listed below are for the LH side.

1. INSTALL FRONT SIDE MARKER LIGHT BULB

- (a) Install the light bulb to the light socket.
- (b) Install the light socket.

LI

INSTALLATION

1. **INSTALL FRONT SIDE MARKER LIGHT ASSEMBLY LH**
 - (a) Install the front marker light.
 - (b) Install the 2 nuts.
2. **INSTALL FRONT BUMPER COVER** (See page [ET-6](#))
3. **INSTALL FRONT SPOILER PAD LH** (See page [ET-5](#))
4. **INSTALL FRONT SPOILER PAD RH** (See page [ET-5](#))
5. **INSTALL RADIATOR GRILLE** (See page [ET-14](#))
6. **CONNECT CABLE TO NEGATIVE BATTERY TERMINAL**
7. **PERFORM INITIALIZATION**
 - (a) Perform initialization (see page [IN-23](#)).

NOTICE:

Certain systems need to be initialized after disconnecting and reconnecting the cable from the negative (-) battery terminal.

LI

LICENSE PLATE LIGHT ASSEMBLY

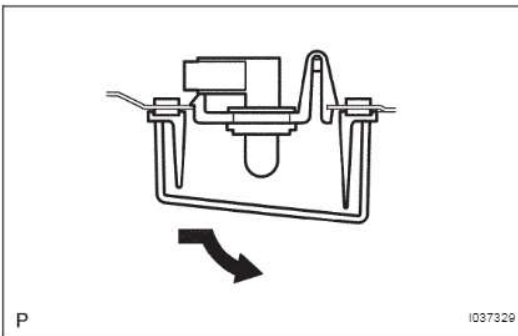
REMOVAL

1. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL

CAUTION:

Wait at least 90 seconds after disconnecting the cable from the negative (-) battery terminal to prevent airbag and seat belt pretensioner activation.

2. REMOVE BACK DOOR TRIM BOARD ASSEMBLY (See page [ED-36](#))
3. REMOVE BACK DOOR OUTSIDE HANDLE (See page [ED-37](#))
4. REMOVE BACK DOOR LOCK CYLINDER ASSEMBLY (See page [ED-37](#))
5. REMOVE BACK DOOR GARNISH SUB-ASSEMBLY OUTSIDE (See page [ET-35](#))
6. REMOVE LICENSE PLATE LIGHT ASSEMBLY
 - (a) Disconnect the connector.
 - (b) Detach the 2 claws and remove the license plate light.



LI-24**LIGHTING – LICENSE PLATE LIGHT ASSEMBLY**

DISASSEMBLY**1. REMOVE LICENSE PLATE LIGHT BULB**

- (a) Remove the license plate light bulb, license plate light socket and wire as a unit.
- (b) Remove the light bulb from the light socket and wire.

2. REMOVE LICENSE PLATE LIGHT LENS**LI**

LI-22

LIGHTING – REAR COMBINATION LIGHT ASSEMBLY

DISASSEMBLY

HINT:

- Use the same procedures for the RH side and LH side.
- The procedures listed below are for the LH side.

1. REMOVE REAR NO. 1 COMBINATION LIGHT BULB

- (a) Remove the light socket.
- (b) Remove the light bulb from the light socket.

2. REMOVE REAR NO. 2 COMBINATION LIGHT BULB

- (a) Remove the light socket.
- (b) Remove the light bulb from the light socket.

3. REMOVE REAR NO. 3 COMBINATION LIGHT BULB

- (a) Remove the light socket.
- (b) Remove the light bulb from the light socket.

LI

REASSEMBLY

HINT:

- Use the same procedures for the RH side and LH side.
- The procedures listed below are for the LH side.

1. INSTALL REAR NO. 3 COMBINATION LIGHT BULB

- (a) Install the light bulb to the light socket.
- (b) Install the light socket.

2. INSTALL REAR NO. 2 COMBINATION LIGHT BULB

- (a) Install the light bulb to the light socket.
- (b) Install the light socket.

3. INSTALL REAR NO. 1 COMBINATION LIGHT BULB

- (a) Install the light bulb to the light socket.
- (b) Install the light socket.

LI

HIGH MOUNTED STOP LIGHT ASSEMBLY

REMOVAL

1. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL

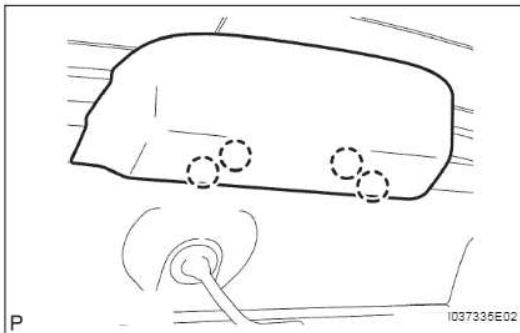
CAUTION:

Wait at least 90 seconds after disconnecting the cable from the negative (-) battery terminal to prevent airbag and seat belt pretensioner activation.

LI

2. REMOVE HIGH MOUNTED STOP LIGHT COVER

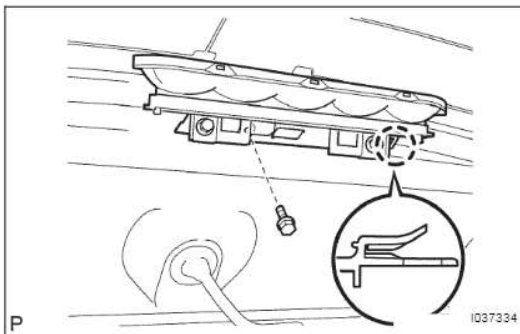
(a) Detach the 4 claws and remove the stop light cover.



3. REMOVE HIGH MOUNTED STOP LIGHT ASSEMBLY

(a) Disconnect the connector.

(b) Detach the claw, remove the bolt and stop light.



LI-26**LIGHTING – HIGH MOUNTED STOP LIGHT ASSEMBLY**

DISASSEMBLY

- 1. REMOVE HIGH MOUNTED STOP LIGHT BULB**
 - (a) Remove the light socket.
 - (b) Remove the light bulb from the light socket.

LI

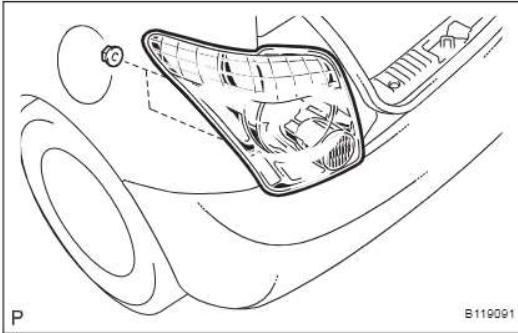
LI-24

LIGHTING – REAR COMBINATION LIGHT ASSEMBLY

INSTALLATION

HINT:

- Use the same procedures for the RH side and LH side.
- The procedures listed below are for the LH side.

**1. INSTALL REAR COMBINATION LIGHT ASSEMBLY LH**

- (a) Install the rear combination light with the 2 nuts.
- (b) Connect the connector.

2. INSTALL REAR COMBINATION LIGHT SERVICE COVER LH**3. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL****4. PERFORM INITIALIZATION**

- (a) Perform initialization (see page [IN-23](#)).

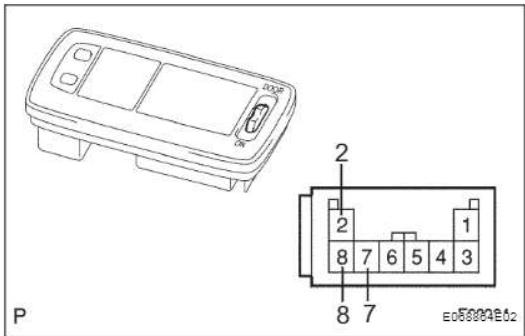
NOTICE:

Certain systems need to be initialized after disconnecting and reconnecting the cable from the negative (-) battery terminal.

MAP LIGHT ASSEMBLY

REMOVAL

1. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL
- CAUTION:
Wait at least 90 seconds after disconnecting the cable from the negative (-) battery terminal to prevent airbag and seat belt pretensioner activation.
2. REMOVE MAP LIGHT ASSEMBLY (w/ Sliding Roof)
(See page [RF-12](#))
3. REMOVE MAP LIGHT ASSEMBLY (w/o Sliding Roof)
(See page [IR-11](#))

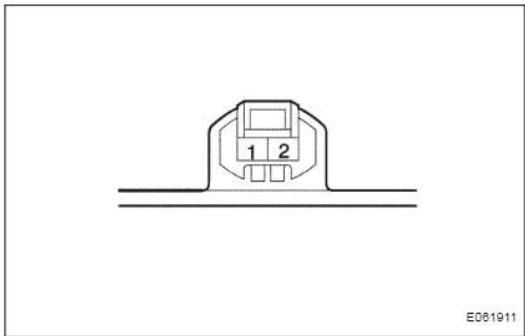


INSPECTION

1. INSPECT MAP LIGHT ASSEMBLY (w/ Sliding Roof)
- (a) Measure the resistance of the light.
- Standard resistance

Tester Connection	Switch Condition	Specified Condition
Battery positive (+) → Terminal 2 Battery negative (-) → Terminal 8	ON	Light comes on
Battery positive (+) → Terminal 2 Battery negative (-) → Terminal 7	DOOR	Light comes on
Battery positive (+) → Terminal 2 Battery negative (-) → Terminal 7 Battery negative (-) → Terminal 8	OFF	Light dose not come on

If the result is not as specified, replace the map light assembly.



2. INSPECT MAP LIGHT ASSEMBLY (w/o Sliding Roof)
- (a) Measure the resistance of the light.
- Standard resistance

Tester Connection	Switch Condition	Specified Condition
Battery positive (+) → Terminal 2 Battery negative (-) → Terminal 1	ON	Light comes on
Battery positive (+) → Terminal 2 Battery negative (-) → Terminal 1	DOOR	Light comes on
Battery positive (+) → Terminal 2 Battery negative (-) → Terminal 1	OFF	Light dose not come on

If the result is not as specified, replace the map light assembly.

INSTALLATION

1. REMOVE MAP LIGHT ASSEMBLY (w/ Sliding Roof)
(See page [RF-12](#))
2. REMOVE MAP LIGHT ASSEMBLY (w/o Sliding Roof)
3. CONNECT CABLE TO NEGATIVE BATTERY
TERMINAL
4. PERFORM INITIALIZATION
 - (a) Perform initialization (see page [IN-23](#)).

NOTICE:

Certain systems need to be initialized after disconnecting and reconnecting the cable from the negative (-) battery terminal.

REASSEMBLY

- 1. INSTALL LICENSE PLATE LIGHT LENS**
- 2. INSTALL LICENSE PLATE LIGHT BULB**
 - (a) Install the light bulb to the light socket.
 - (b) Install the light bulb, light socket and wire as a unit.

LI

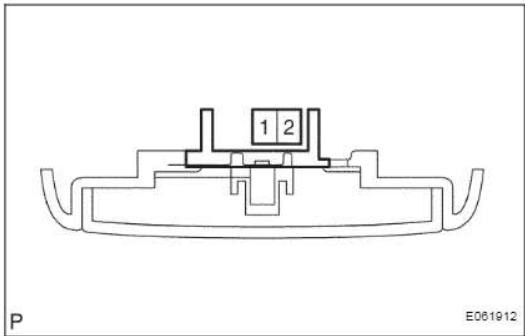
INSTALLATION

1. **INSTALL LICENSE PLATE LIGHT ASSEMBLY**
 - (a) Attach the 2 claws and install the license plate light.
 - (b) Connect the connector.
2. **INSTALL BACK DOOR GARNISH SUB-ASSEMBLY OUTSIDE** (See page [ET-35](#))
3. **INSTALL BACK DOOR LOCK CYLINDER ASSEMBLY** (See page [ED-40](#))
4. **INSTALL BACK DOOR OUTSIDE HANDLE** (See page [ED-39](#))
5. **INSTALL BACK DOOR TRIM BOARD ASSEMBLY** (See page [ED-40](#))
6. **CONNECT CABLE TO NEGATIVE BATTERY TERMINAL**
7. **PERFORM INITIALIZATION**
 - (a) Perform initialization (see page [IN-23](#)).
NOTICE:
Certain systems need to be initialized after disconnecting and reconnecting the cable from the negative (-) battery terminal.

ROOM LIGHT ASSEMBLY

REMOVAL

1. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL
- CAUTION:
Wait at least 90 seconds after disconnecting the cable from the negative (-) battery terminal to prevent airbag and seat belt pretensioner activation.
2. REMOVE NO. 1 ROOM LIGHT ASSEMBLY (See page IR-11)



INSPECTION

1. INSPECT NO. 1 ROOM LIGHT ASSEMBLY
- (a) Measure the resistance of the light.
- Standard resistance

Tester Connection	Switch Condition	Specified Condition
Battery positive (+) → Terminal 2 Battery negative (-) → Terminal 1	ON	Light comes on
Battery positive (+) → Terminal 2 Battery negative (-) → Terminal 1	DOOR	Light comes on
Battery positive (+) → Terminal 2 Battery negative (-) → Terminal 1	OFF	Light does not come on

If the result is not as specified, replace the light assembly.

LI-30

LIGHTING – ROOM LIGHT ASSEMBLY

INSTALLATION

1. **INSTALL NO. 1 ROOM LIGHT ASSEMBLY** (See page [IR-13](#))
2. **CONNECT CABLE TO NEGATIVE BATTERY TERMINAL**
3. **PERFORM INITIALIZATION**
 - (a) Perform initialization (see page [IN-23](#)).

NOTICE:

Certain systems need to be initialized after disconnecting and reconnecting the cable from the negative (-) battery terminal.

LI

INSTALLATION

1. **INSTALL HEADLIGHT DIMMER SWITCH ASSEMBLY**
 - (a) Attach the claw to install the headlight dimmer switch.
 - (b) Connect the connector.
2. **INSTALL STEERING COLUMN COVER** (See page [SR-13](#))
3. **CONNECT CABLE TO NEGATIVE BATTERY TERMINAL**
4. **PERFORM INITIALIZATION**
 - (a) Perform initialization (see page [IN-23](#)).

NOTICE:

Certain systems need to be initialized after disconnecting and reconnecting the cable from the negative (-) battery terminal.

LI

CENTER CLUSTER BOX ILLUMINATION

REMOVAL

1. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL

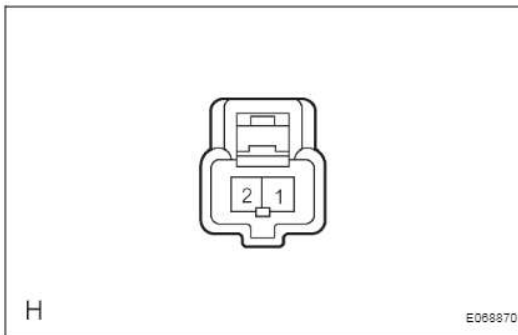
CAUTION:

Wait at least 90 seconds after disconnecting the cable from the negative (-) battery terminal to prevent airbag and seat belt pretensioner activation.

2. REMOVE NO. 2 INSTRUMENT CLUSTER FINISH PANEL GARNISH (See page [IP-5](#))
3. REMOVE NO. 1 INSTRUMENT CLUSTER FINISH PANEL GARNISH (See page [IP-5](#))
4. REMOVE INSTRUMENT CLUSTER FINISH PANEL SUB-ASSEMBLY CENTER (See page [IP-6](#))
5. REMOVE CENTER CLUSTER BOX ILLUMINATION
 - (a) Disconnect the connector.
 - (b) Remove the light.

INSPECTION

1. INSPECT CENTER CLUSTER BOX ILLUMINATION
 - (a) Inspect center cluster box illumination light operation.
 - (1) Connect the battery positive (+) lead to the terminal 2 and the battery negative (-) lead to the terminal 1, and check that the illumination light comes on.



INSTALLATION

1. **INSTALL CENTER CLUSTER BOX ILLUMINATION**
 - (a) Install the light.
 - (b) Connect the connector.

2. **INSTALL INSTRUMENT CLUSTER FINISH PANEL SUB-ASSEMBLY CENTER** (See page [IP-11](#))

3. **INSTALL NO. 2 INSTRUMENT CLUSTER FINISH PANEL GARNISH** (See page [IP-11](#))

4. **INSTALL NO. 1 INSTRUMENT CLUSTER FINISH PANEL GARNISH** (See page [IP-11](#))

5. **CONNECT CABLE TO NEGATIVE BATTERY TERMINAL**

6. **PERFORM INITIALIZATION**

- (a) Perform initialization (see page [IN-23](#)).

NOTICE:

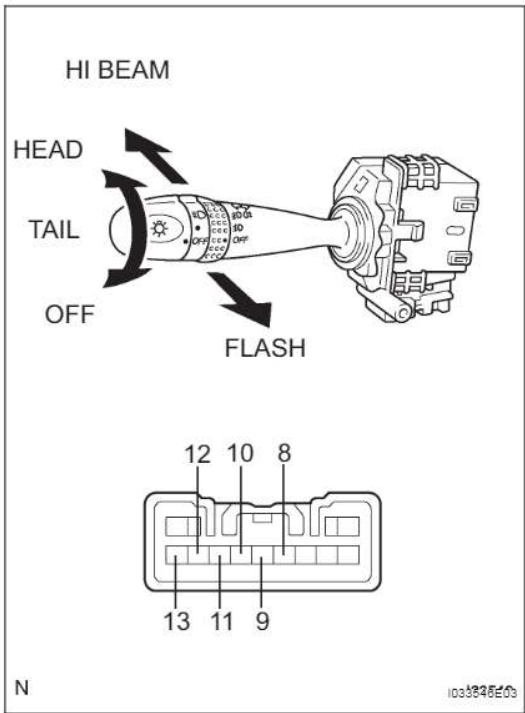
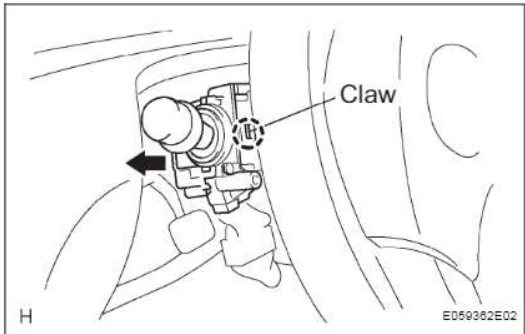
Certain systems need to be initialized after disconnecting and reconnecting the cable from the negative (-) battery terminal.

LI

HEADLIGHT DIMMER SWITCH

REMOVAL

1. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL
CAUTION:
Wait at least 90 seconds after disconnecting the cable from the negative (-) battery terminal to prevent airbag and seat belt pretensioner activation.
2. REMOVE STEERING COLUMN COVER (See page SR-7)
3. REMOVE HEADLIGHT DIMMER SWITCH ASSEMBLY
(a) Disconnect the connector of the headlight dimmer switch.
(b) Detach the claw and pull out the headlight dimmer switch as shown in the illustration.
NOTICE:
Pressing the claw too hard breaks the teeth.



INSPECTION

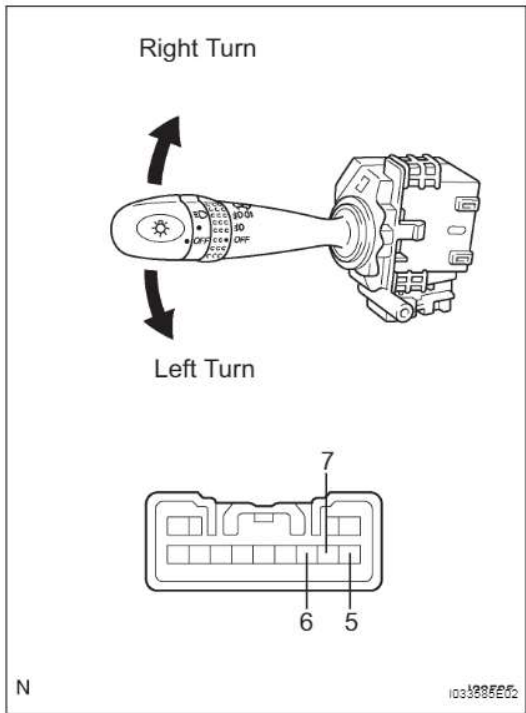
1. INSPECT HEADLIGHT DIMMER SWITCH ASSEMBLY
(a) Inspect the light control switch.
(1) Measure the resistance of the switch.
Standard resistance
- Table with 3 columns: Tester Connection, Switch Position, Specified Condition. Rows include 10-13, 11-12, 10-13, 10-13, 11-12 for OFF, TAIL, HEAD, and HEAD positions.
- If the result is not as specified, replace the switch assembly.
- (b) Inspect the headlight dimmer switch.
(1) Measure the resistance of the switch.
Standard resistance

Tester Connection	Switch Position	Specified Condition
9 - 11	FLASH	Below 1 Ω
8 - 10	LOW BEAM	Below 1 Ω
9 - 11	HI BEAM	Below 1 Ω

HINT:
Turn the headlight dimmer switch to the HEAD position when checking "LOW BEAM" and "HI BEAM".
If the result is not as specified, replace the switch assembly.

LI-32

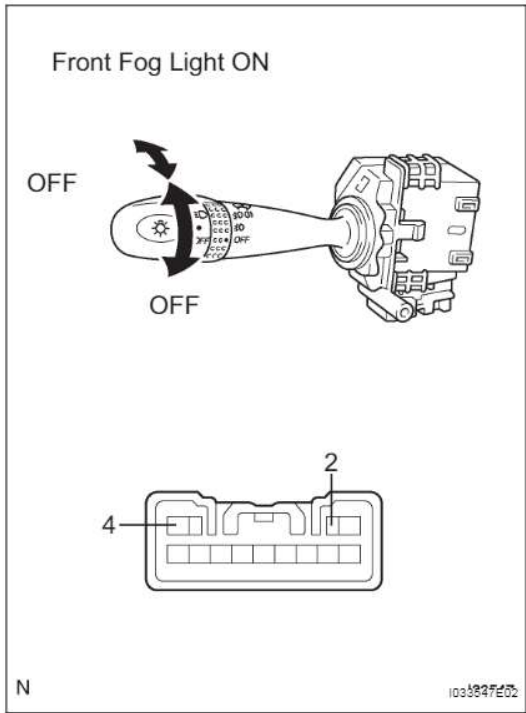
LIGHTING – HEADLIGHT DIMMER SWITCH



- (c) Inspect the turn signal switch.
(1) Measure the resistance of the switch.
Standard resistance

Tester Connection	Switch Position	Specified Condition
6 - 7	Right turn	Below 1 Ω
5 - 6 - 7	Neutral	10 kΩ or higher
5 - 6	Left turn	Below 1 Ω

If the result is not as specified, replace the switch assembly.



- (d) Inspect the front fog light switch continuity.
(1) Measure the resistance of the switch.
Standard resistance

Tester Connection	Switch Position	Specified Condition
2 - 4	OFF	10 kΩ or higher
2 - 4	Front fog	Below 1 Ω

If the result is not as specified, replace the switch assembly.

HAZARD WARNING SWITCH

REMOVAL

- LI
1. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL

CAUTION:
Wait at least 90 seconds after disconnecting the cable from the negative (-) battery terminal to prevent airbag and seat belt pretensioner activation.

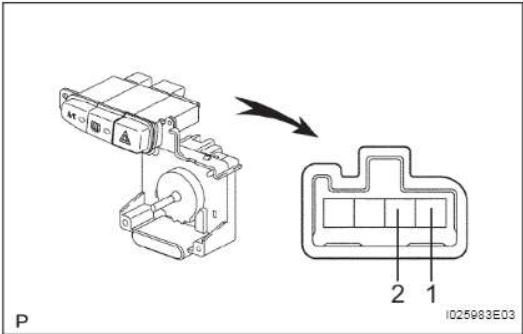
2. REMOVE NO. 2 INSTRUMENT CLUSTER FINISH PANEL GARNISH (See page IP-5)

3. REMOVE NO. 1 INSTRUMENT CLUSTER FINISH PANEL GARNISH (See page IP-5)

4. REMOVE HEATER CONTROL KNOB (See page IP-6)

5. REMOVE INSTRUMENT CLUSTER FINISH PANEL SUB-ASSEMBLY CENTER (See page IP-6)

6. REMOVE CENTER CLUSTER MODULE SWITCH (See page AC-105)



INSPECTION

1. INSPECT CENTER CLUSTER MODULE SWITCH (HAZARD WARNING SWITCH)
- (a) Measure the resistance of the switch.

Standard resistance

Tester Connection	Switch Condition	Specified Condition
1 - 2	ON	Below 1 Ω
1 - 2	OFF	10 kΩ or higher

If the result is not as specified, replace the switch assembly.

INSTALLATION

1. INSTALL CENTER CLUSTER MODULE SWITCH (See page [AC-108](#))
2. INSTALL INSTRUMENT CLUSTER FINISH PANEL SUB-ASSEMBLY CENTER (See page [IP-11](#))
3. INSTALL HEATER CONTROL KNOB (See page [IP-11](#))
4. INSTALL NO. 2 INSTRUMENT CLUSTER FINISH PANEL GARNISH (See page [IP-11](#))
5. INSTALL NO. 1 INSTRUMENT CLUSTER FINISH PANEL GARNISH (See page [IP-5](#))
6. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL
7. PERFORM INITIALIZATION
 - (a) Perform initialization (see page [IN-23](#)).

NOTICE:

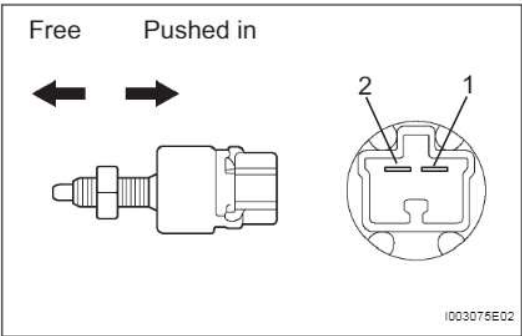
Certain systems need to be initialized after disconnecting and reconnecting the cable from the negative (-) battery terminal.

STOP LIGHT SWITCH

REMOVAL

1. DISCONNECT CABLE FROM NEGATIVE BATTERY
TERMINAL
CAUTION:
Wait at least 90 seconds after disconnecting the
cable from the negative (-) battery terminal to
prevent airbag and seat belt pretensioner activation.
2. REMOVE STOP LIGHT SWITCH ASSEMBLY (See
page BR-8)

LI



INSPECTION

1. INSPECT STOP LIGHT SWITCH ASSEMBLY
(a) Measure the resistance of the switch.
Standard resistance

Tester Connection	Switch Condition	Specified Condition
1 - 2	Switch pin pushed in (Pedal released)	10 kΩ or higher
1 - 2	Switch pin free (Pedal depressed)	Below 1 Ω

If the result is not as specified, replace the switch assembly.

INSTALLATION

1. INSTALL STOP LIGHT SWITCH ASSEMBLY (See page [BR-10](#))
2. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL
3. PERFORM INITIALIZATION
 - (a) Perform initialization (see page [IN-23](#)).

NOTICE:

Certain systems need to be initialized after disconnecting and reconnecting the cable from the negative (-) battery terminal.

LI

BACK-UP LIGHT SWITCH

REMOVAL

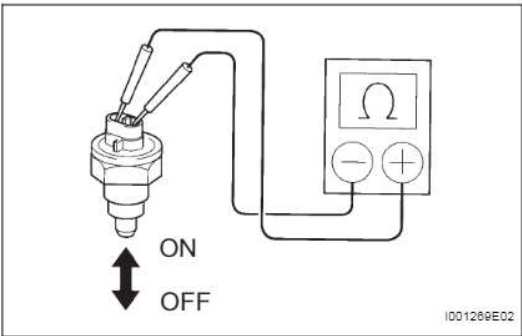
1. DISCONNECT CABLE FROM NEGATIVE BATTERY
TERMINAL
CAUTION:
Wait at least 90 seconds after disconnecting the
cable from the negative (-) battery terminal to
prevent airbag and seat belt pretensioner activation.
2. REMOVE BACK-UP LIGHT SWITCH ASSEMBLY (for
Manual Transaxle) (See page [MX-34](#))

INSPECTION

1. INSPECT BACK-UP LIGHT SWITCH ASSEMBLY
(a) Measure the resistance of the switch.
Standard resistance

Tester Connection	Switch Condition	Specified Condition
1 - 2	ON	Below 1 Ω
1 - 2	OFF	10 kΩ or higher

If the result is not as specified, replace the switch
assembly.



INSTALLATION

1. **INSTALL BACK-UP LIGHT SWITCH ASSEMBLY** (for Manual Transaxle) (See page [MX-64](#))
2. **CONNECT CABLE TO NEGATIVE BATTERY TERMINAL**
3. **PERFORM INITIALIZATION**
 - (a) Perform initialization (see page [IN-23](#)).

NOTICE:

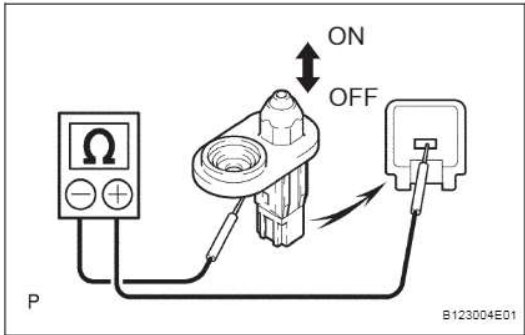
Certain systems need to be initialized after disconnecting and reconnecting the cable from the negative (-) battery terminal.

LI

FRONT DOOR COURTESY SWITCH

REMOVAL

1. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL
- CAUTION:
Wait at least 90 seconds after disconnecting the cable from the negative (-) battery terminal to prevent airbag and seat belt pretensioner activation.
2. REMOVE FRONT DOOR COURTESY LIGHT SWITCH ASSEMBLY
- (a) Remove the bolt and switch.
- (b) Disconnect the connector.



INSPECTION

1. INSPECT FRONT DOOR COURTESY LIGHT SWITCH ASSEMBLY
- (a) Measure the resistance of the switch.
- Standard resistance

Tester Connection	Switch Condition	Specified Condition
1 - Body ground	ON	Below 1 Ω
1 - Body ground	OFF	10 kΩ or higher

If the result is not as specified, replace the switch assembly.

LI-38

LIGHTING – FRONT DOOR COURTESY SWITCH

INSTALLATION**1. INSTALL FRONT DOOR COURTESY LIGHT SWITCH ASSEMBLY**

- (a) Connect the connector.
- (b) Install the switch with the bolt.

2. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL**3. PERFORM INITIALIZATION**

- (a) Perform initialization (see page [IN-23](#)).

NOTICE:

Certain systems need to be initialized after disconnecting and reconnecting the cable from the negative (-) battery terminal.

LI

REAR DOOR COURTESY SWITCH

REMOVAL

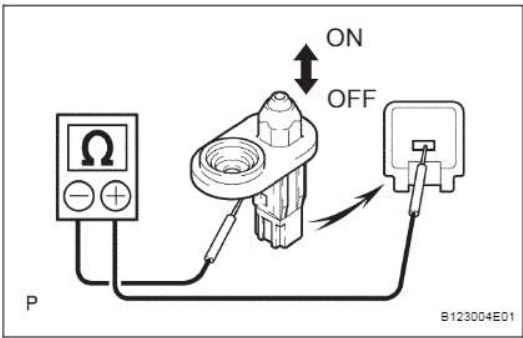
1. DISCONNECT CABLE FROM NEGATIVE BATTERY
TERMINAL
CAUTION:
Wait at least 90 seconds after disconnecting the
cable from the negative (-) battery terminal to
prevent airbag and seat belt pretensioner activation.
2. REMOVE REAR DOOR COURTESY LIGHT SWITCH
ASSEMBLY
(a) Remove the bolt and switch.
(b) Disconnect the connector.

INSPECTION

1. INSPECT REAR DOOR COURTESY LIGHT SWITCH
ASSEMBLY
(a) Measure the resistance switch.
Standard resistance

Tester Connection	Switch Condition	Specified Condition
1 - Body ground	ON	Below 1 Ω
1 - Body ground	OFF	10 kΩor higher

If the result is not as specified, replace the switch assembly.



INSTALLATION

1. INSTALL REAR DOOR COURTESY LIGHT SWITCH ASSEMBLY

- (a) Connect the connector.
- (b) Install the switch with the bolt.

2. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL

3. PERFORM INITIALIZATION

- (a) Perform initialization (see page [IN-23](#)).

NOTICE:

Certain systems need to be initialized after disconnecting and reconnecting the cable from the negative (-) battery terminal.

LI

BACK DOOR COURTESY SWITCH

REMOVAL

1. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL
CAUTION:
Wait at least 90 seconds after disconnecting the cable from the negative (-) battery terminal to prevent airbag and seat belt pretensioner activation.
2. REMOVE BACK DOOR TRIM BOARD ASSEMBLY
(See page [ED-36](#))
3. REMOVE BACK DOOR LOCK ASSEMBLY (See page [ED-37](#))

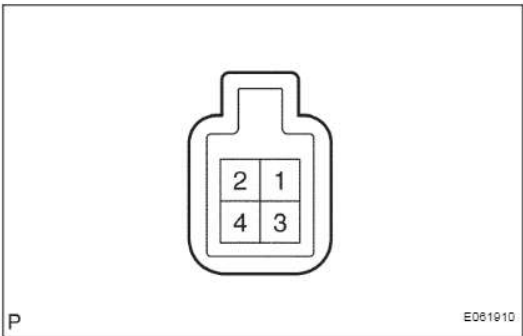
LI

INSPECTION

1. INSPECT BACK DOOR LOCK ASSEMBLY
(a) Measure the resistance of the switch.
Standard resistance

Tester Connection	Switch Condition	Specified Condition
1 - 2	ON (UNLOCK)	Below 1 Ω
1 - 2	OFF (LOCK)	10 kΩ or higher

If the result is not as specified, replace the switch assembly.



LI-40

LIGHTING – BACK DOOR COURTESY SWITCH

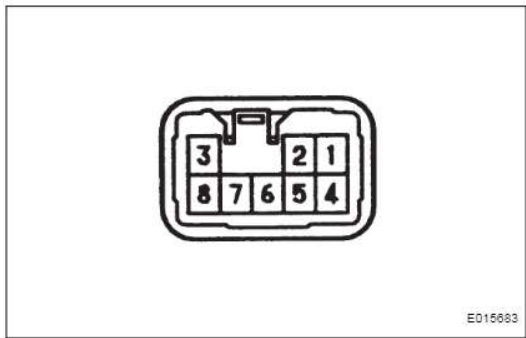
INSTALLATION

1. **INSTALL BACK DOOR LOCK ASSEMBLY** (See page [ED-40](#))
2. **INSTALL BACK DOOR TRIM BOARD ASSEMBLY**
(See page [ED-40](#))
3. **CONNECT CABLE TO NEGATIVE BATTERY TERMINAL**
4. **PERFORM INITIALIZATION**
 - (a) Perform initialization (see page [IN-23](#)).

NOTICE:

Certain systems need to be initialized after disconnecting and reconnecting the cable from the negative (-) battery terminal.

LI



TURN SIGNAL FLASHER ASSEMBLY

ON-VEHICLE INSPECTION

1. CHECK TURN SIGNAL FLASHER ASSEMBLY
 - (a) Connect the connector to the turn signal flasher and inspect the wire harness side connector from the backside as shown in the table below.

Standard voltage

Tester Connection	Condition	Specified Condition
2 - Ground	Hazard switch OFF	0 V
2 - Ground	Hazard switch ON	Alternating between 0 to 9 V (60 to 120 times per minute)
2 - Ground	Turn signal switch (right turn) OFF	0 V
2 - Ground	Turn signal switch (right turn) ON	Alternating between 0 to 9 V (60 to 120 times per minute)
3 - Ground	Hazard switch OFF	0 V
3 - Ground	Hazard switch ON	Alternating between 0 to 9 V (60 to 120 times per minute)
3 - Ground	Turn signal switch (left turn) OFF	0 V
3 - Ground	Turn signal switch (left turn) ON	Alternating between 0 to 9 V (60 to 120 times per minute)
5 - Ground	Turn signal switch (left turn) OFF	Above 9 V
5 - Ground	Turn signal switch (left turn) ON	0 V
6 - Ground	Turn signal switch (right turn) OFF	Above 9 V
6 - Ground	Turn signal switch (right turn) ON	0 V
8 - Ground	Hazard switch OFF	Above 9 V
8 - Ground	Hazard switch ON	0 V