

LIGHTING SYSTEM

PRECAUTION

NOTICE:
When disconnecting the cable from the negative (-) battery terminal, initialize the following systems after the cable is reconnected.

System	See Procedure
Power window control system (with Jam Protection Function)	IN-23
Sliding roof system	

1. PRECAUTION OF HEADLIGHT BULB REPLACEMENT
- (a) If even a thin film of oil is left on the surface of the halogen light, its service life will be shortened because the light will burn at a higher temperature.

(b) Handle any halogen light with great care. Dropping, hitting or damaging the bulb, in any way, may result in it exploding and shattering because the internal pressure is high.

(c) Always prepare a new bulb for immediate replacement. While replacing the bulb, the lens may attract dust and moisture if removed from the vehicle for too long.

(d) Always use a bulb of the same wattage for replacement.

(e) Firmly reinstall the socket after bulb replacement. The lens may become cloudy or the light cavity may be filled with water through the gaps around the socket.

LI

LI-2

LIGHTING – LIGHTING SYSTEM

PROBLEM SYMPTOMS TABLE

HINT:

Use the table below, with suspected areas listed in numerical order, to determine the cause of the problem. Inspect and repair or replace parts as necessary according to the steps on the following pages.

Headlight and taillight system

Symptom	Suspected Area	See page
LO beam does not come on (One side).	1. Bulb	-
	2. H-LP LH LO/H-LP RH LO fuse	-
	3. Wire harness or connector	-
LO beam does not come on (All).	1. Headlight (H-LP) relay	LI-57
	2. Headlight dimmer switch assembly	LI-41
	3. Integration relay (Instrument panel junction block assembly)	LI-54
	4. Wire harness and connector	-
HI beam does not come on (One side).	1. Bulb	-
	2. H-LP LH LO/H-LP RH HI fuse	-
	3. Wire harness and connector	-
HI beam does not come on (All).	1. Headlight (H-LP) relay	LI-57
	2. Headlight dimmer switch assembly	LI-41
	3. Integration relay (instrument panel junction block assembly)	LI-54
	4. Wire harness or connector	-
Flash does not operate (All).	1. Headlight (H-LP) relay	LI-57
	2. Headlight dimmer switch assembly	LI-41
	3. Integration relay (Instrument panel junction block assembly)	LI-54
	4. Wire harness and connector	-
Headlight is dark.	1. Bulb	-
	2. Wire harness and connector	-
Only one taillight comes on.	1. Bulb	-
	2. Rear combination light assembly	LI-21
	3. Wire harness and connector	-
Only one license plate light comes on.	1. Bulb	-
	2. License plate light assembly	LI-25
	3. Wire harness or connector	-
All tail / license plate lights do not come on (Headlights are normal)	1. TAIL fuse	-
	2. Taillight (T-LP) relay	LI-59
	3. Headlight dimmer switch assembly	LI-41
	4. Integration relay (Instrument panel junction block assembly)	LI-54
	5. Wire harness and connector	-
All tail / license plate lights do not come on (Headlights do not come on).	1. Headlight dimmer switch assembly	LI-41
	2. Wire harness and connector	-

Turn signal and hazard warning system

Symptom	Suspected Area	See page
Hazard and Turn do not come on.	1. TURN-HAZ fuse	-
	2. Turn signal flasher (FLASH) relay (Instrument panel junction block assembly)	LI-54
	3. Wire harness and connector	-

LIGHTING – LIGHTING SYSTEM**LI-3**

Symptom	Suspected Area	See page
Hazard warning light does not come on (Turn is normal).	1. Air conditioning amplifier assembly (Hazard warning signal switch)	LI-44
	2. Turn signal flasher (FLASH) relay (Instrument panel junction block assembly)	LI-54
	3. Wire harness and connector	-
Turn signal does not come on (Hazard is normal).	1. Headlight dimmer switch assembly	LI-41
	2. Turn signal flasher (FLASH) relay (Instrument panel junction block assembly)	LI-54
	3. Wire harness and connector	-
Turn signal does not come on in one direction.	1. Headlight dimmer switch assembly	LI-41
	2. Turn signal flasher (FLASH) relay (Instrument panel junction block assembly)	LI-54
	3. Wire harness and connector	-
Only one bulb comes on.	1. Bulb	-
	2. Turn signal flasher (FLASH) relay (Instrument panel junction block assembly)	LI-54
	3. Wire harness and connector	-

Stop light system

Symptom	Suspected Area	See page
Both stop lights do not come on.	1. STOP fuse	-
	2. Stop light switch assembly	LI-46
	3. Wire harness and connector	-
Both stop lights always remain on.	1. Stop light switch assembly	LI-46
	2. Wire harness and connector	-
Stop light does not come on (One side).	1. Rear combination light assembly	LI-21
	2. Wire harness and connector	-

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 (Manual Transaxle)	LI-48
	3. Park/Neutral position switch assembly (Automatic Transaxle)	AX-110
	4. Wire harness and connector	-
Both back-up lights always remain on.	1. Back-up light switch assembly (Manual Transaxle)	LI-48
	2. Park/Neutral position switch assembly (Automatic Transaxle)	AX-110
	3. Wire harness and connector	-
Back-up light does not come on (One side).	1. Bulb	-
	2. Wire harness and connector	-

Interior light system

Symptom	Suspected Area	See page
Interior light does not come on (All).	1. DOME fuse	-
	2. Integration relay (Instrument panel Junction block assembly)	LI-5
	3. Wire harness and connector	-

LI-4

LIGHTING – LIGHTING SYSTEM

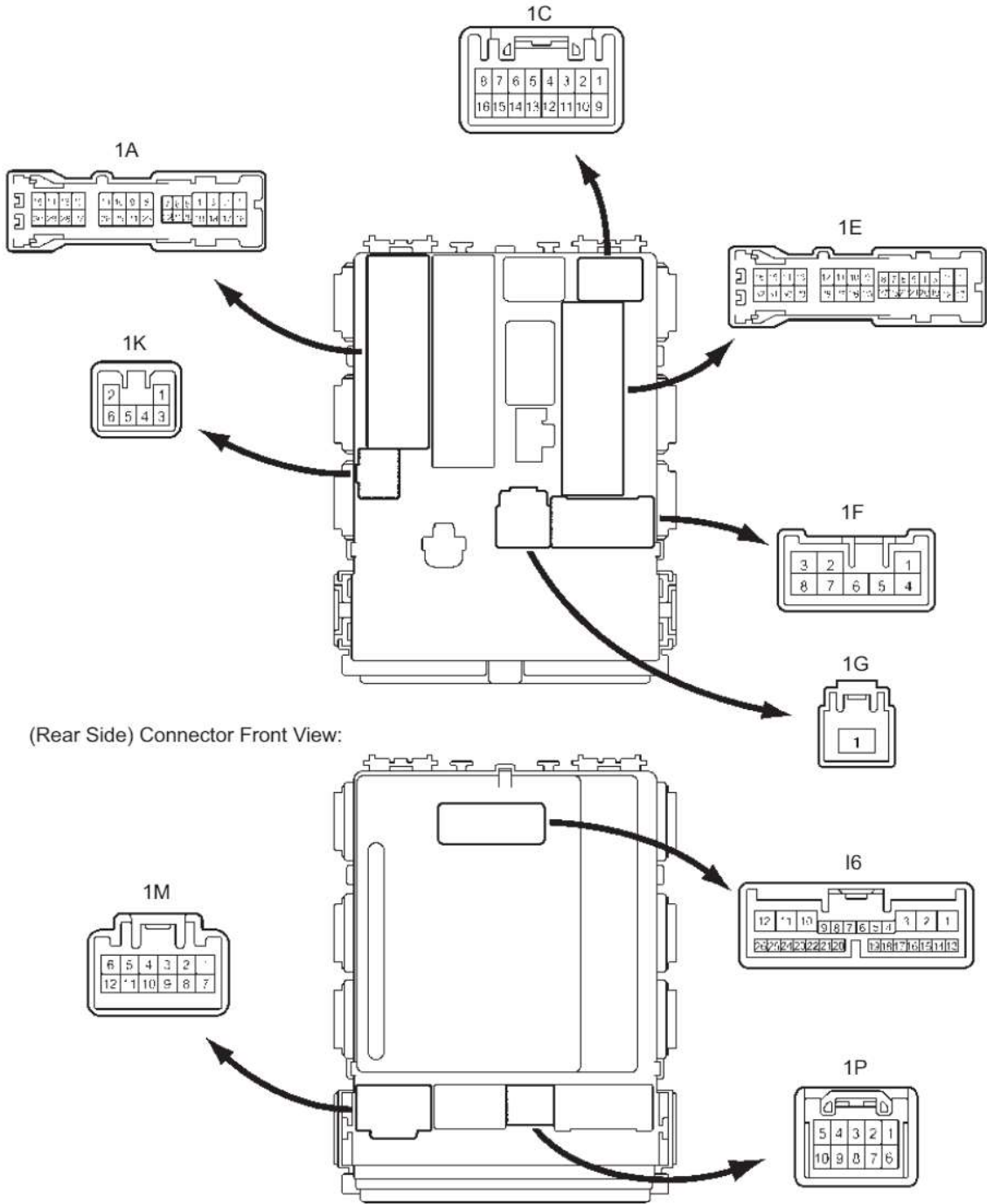
Symptom	Suspected Area	See page
Illuminated entry system does not operate.	1. DOME fuse	-
	2. ECU-IG fuse	-
	3. Front door courtesy light switch assembly	LI-50
	4. Back door lock assembly (Back door courtesy light switch)	LI-52
	5. Integration relay (Instrument panel junction block assembly)	LI-5
	6. Wire harness and connector	-
Map light assembly does not come on (No. 1 room light assembly is normal).	1. Bulb	-
	2. Map light assembly	LI-31
	3. Integration relay (Instrument panel junction block assembly)	LI-5
	4. Wire harness and connector	-
No. 1 room light assembly does not come on (Map light assembly is normal).	1. Bulb	-
	2. No. 1 room light assembly	LI-33
	3. Integration relay (Instrument panel junction block assembly)	LI-5
	4. Wire harness and connector	-
No. 2 room light assembly does not come on (Map light assembly and No. 1 room light assembly are normal).	1. Bulb	-
	2. Bank door lock assembly	LI-52
	3. No. 2 room light assembly	LI-35
	4. Wire harness and connector	-

Illumination system

Symptom	Suspected Area	See page
Indicator light assembly does not come on (Taillight is normal).	1. PANEL fuse	-
	2. Taillight (T-LP) relay	LI-59
	3. Bulb	-
	4. Indicator light assembly (Front console illumination)	LI-39
	5. Wire harness and connector	-

ON-VEHICLE INSPECTION

1. INSPECT INSTRUMENT PANEL JUNCTION BLOCK ASSEMBLY



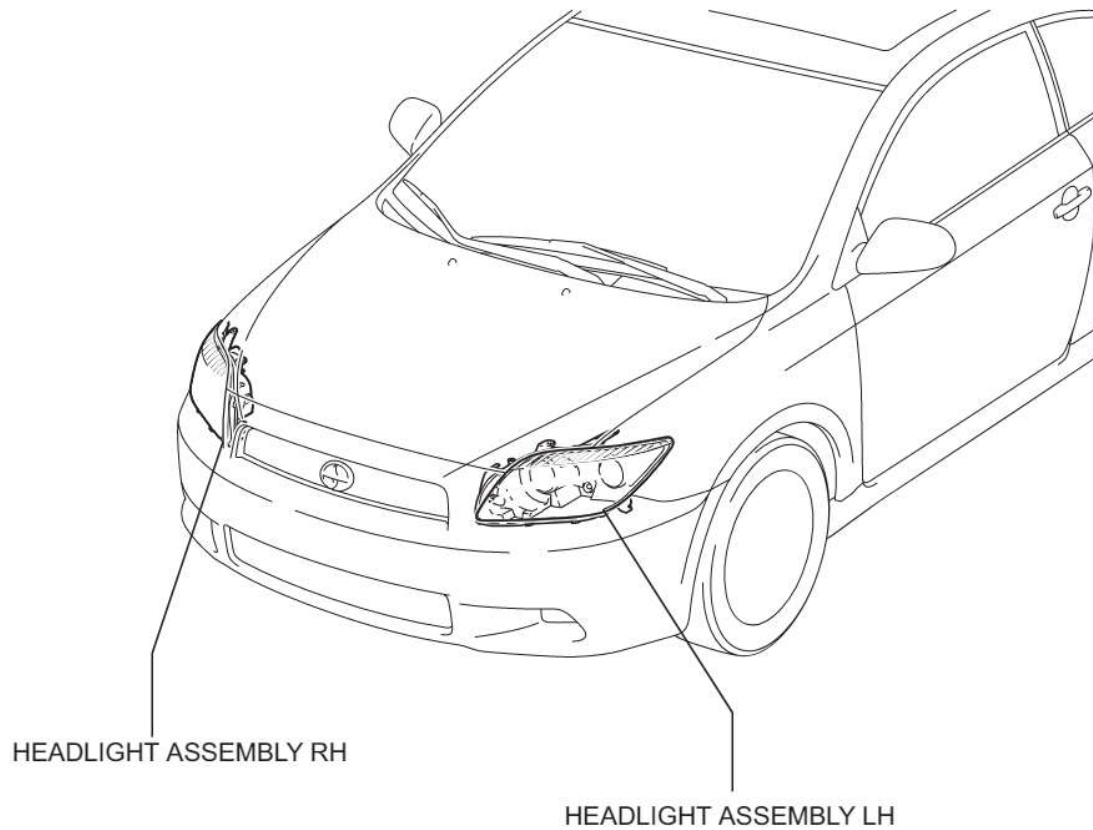
LI-6

LIGHTING – LIGHTING SYSTEM

Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified Condition
BCTY (1A - 7) - GND (1E - 17), (1M - 7)	V - W - B	Back door courtesy switch signal	Back door is opened	Below 1 V
BCTY (1A - 7) - GND (1E - 17), (1M - 7)	V - W - B	Back door courtesy switch signal	Back door is closed	10 to 14 V
DCTY (1A - 21) - GND (1E - 17), (1M - 7)	O - W - B	Driver side door courtesy switch signal	Driver side door is opened	Below 1 V
DCTY (1A - 21) - GND (1E - 17), (1M - 7)	O - W - B	Driver side door courtesy switch signal	Driver side door is closed	10 to 14 V
TRLY (1A - 21) - GND (1E - 17), (1M - 7)	BR - W - B	TAIL signal (Rear combination light circuit)	Light control switch OFF	Below 1 V
TRLY (1A - 21) - GND (1E - 17), (1M - 7)	BR - W - B	TAIL signal (Rear combination light circuit)	Light control switch is in TAIL position	10 to 14 V
PCTY (1C - 14) - GND (1E - 17), (1M - 7)	L - W - B	Passenger side door courtesy switch signal	Passenger side door is opened	Below 1 V
PCTY (1C - 14) - GND (1E - 17), (1M - 7)	L - W - B	Passenger side door courtesy switch signal	Passenger side door is closed	10 to 14 V
GND (1E - 17) - Body ground	W - B - Body ground	Ground	Always	Below 1 V
ILL (1E - 27) - GND (1E - 17), (1M - 7)	O - W - B	Ignition key cylinder light signal	Ignition key cylinder light comes on	Below 1 V
ILL (1E - 27) - GND (1E - 17), (1M - 7)	O - W - B	Ignition key cylinder light signal	Ignition key cylinder light goes off	10 to 14 V
SIG (1G - 1) - GND (1E - 17), (1M - 7)	W - W - B	Power source signal	Always	10 to 14 V
ILL (1K - 2) - GND (1E - 17), (1M - 7)	L - W - B	Interior illumination signal (Map light / Room light No. 1 circuit)	Interior light is in DOOR position	Below 1 V
ILL (1K - 2) - GND (1E - 17), (1M - 7)	L - W - B	Interior illumination signal (Map light / Room light No. 1 circuit)	Interior light is in any position except DOOR	10 to 14 V
GND (1M - 7) - Body ground	W - B - Body ground	Ground	Always	Below 1 V
TRLY (1P - 9) - GND (1E - 17), (1M - 7)	GR - W - B	TAIL signal (Indicator light (Front console illumination) circuit)	Light control switch OFF	Below 1 V
TRLY (1P - 9) - GND (1E - 17), (1M - 7)	GR - W - B	TAIL signal (Indicator light (Front console illumination) circuit)	Light control switch is in TAIL position	10 to 14 V
TAIL (16 - 13) - GND (1E - 17), (1M - 7)	BR - W - B	Light control switch (TAIL) signal	Light control switch is in TAIL position	Below 1 V
TAIL (16 - 13) - GND (1E - 17), (1M - 7)	BR - W - B	Light control switch (TAIL) signal	Light control switch is in any position except TAIL	10 to 14 V
HRLY (16 - 14) - GND (1E - 17), (1M - 7)	B - W - B	HEAD operation signal	Headlight comes on	Below 1 V
HRLY (16 - 14) - GND (1E - 17), (1M - 7)	B - W - B	HEAD operation signal	Headlight goes off	10 to 14 V
HEAD (16 - 17) - GND (1E - 17), (1M - 7)	V - W - B	Light control switch (HEAD) signal	Light control switch is in HEAD position	Below 1 V
HEAD (16 - 17) - GND (1E - 17), (1M - 7)	V - W - B	Light control switch (HEAD) signal	Light control switch is in any position except HEAD	10 to 14 V

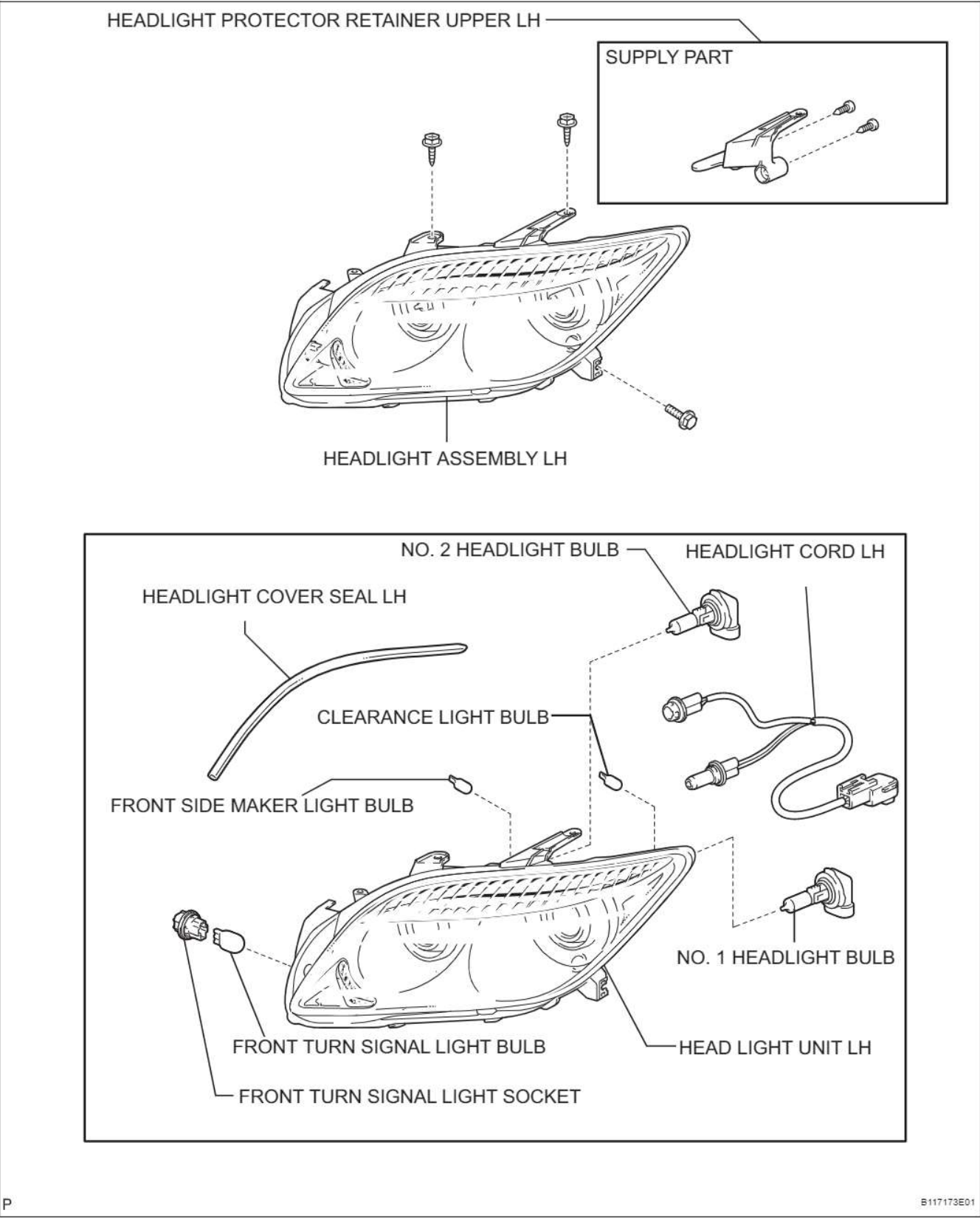
HEADLIGHT ASSEMBLY

COMPONENTS

**LI**

LI-8

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.

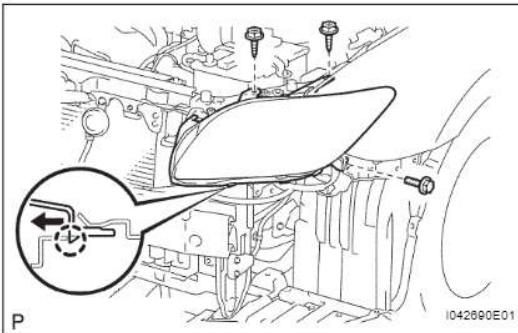
2. REMOVE FRONT FENDER LINER LH (See page [ET-2](#))

3. REMOVE FRONT FENDER LINER RH (See page [ET-2](#))

4. REMOVE FRONT BUMPER COVER (See page [ET-3](#))

5. REMOVE HEADLIGHT ASSEMBLY LH

- (a) Remove the 2 screws and bolt and disengage the claw.
- (b) Disconnect the connectors and remove the headlight.



LI-10

LIGHTING – HEADLIGHT ASSEMBLY

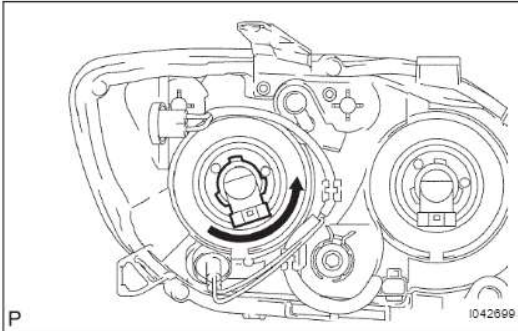
DISASSEMBLY

HINT:

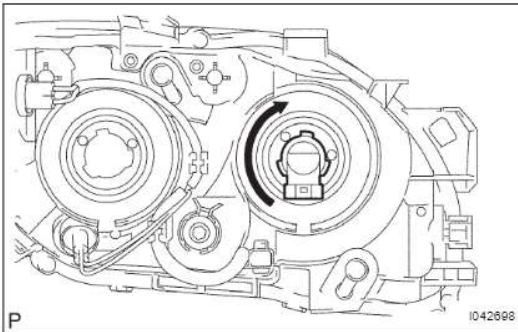
- Use the same procedures for the RH side and LH side.
- The procedures listed below are for the LH side.

1. REMOVE NO. 1 HEADLIGHT BULB

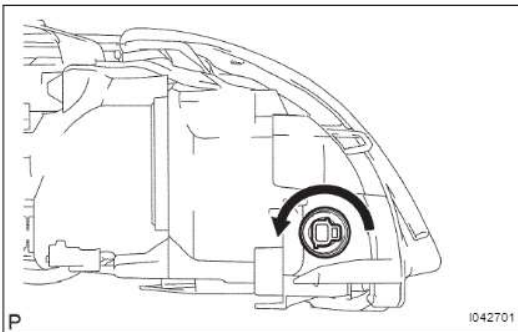
- (a) Remove the No. 1 bulb as shown in the illustration.

**2. REMOVE NO. 2 HEADLIGHT BULB**

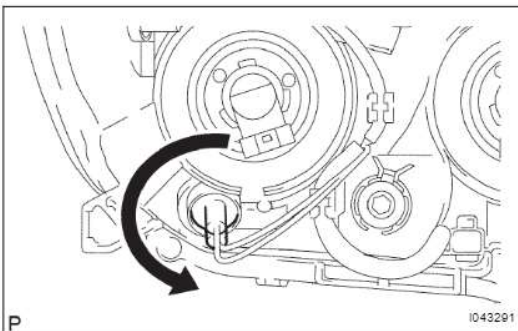
- (a) Remove the No. 2 bulb as shown in the illustration.

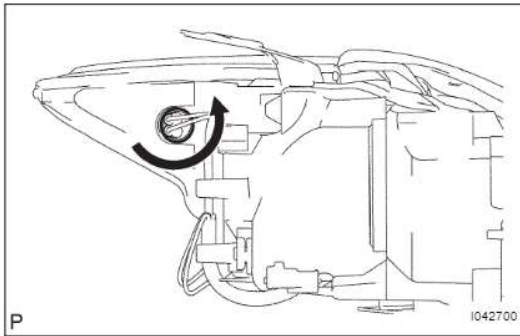
**3. REMOVE FRONT TURN SIGNAL LIGHT BULB**

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

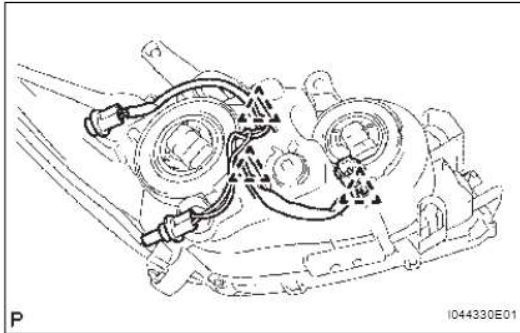
**4. REMOVE CLEARANCE LIGHT BULB**

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



LIGHTING – HEADLIGHT ASSEMBLY**LI-11****5. REMOVE FRONT SIDE MAKER LIGHT BULB**

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

**6. REMOVE HEADLIGHT CORD LH**

- (a) Detach the 3 clamps and remove the headlight cord LH.

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LI-12

LIGHTING – HEADLIGHT ASSEMBLY

ADJUSTMENT

1. VEHICLE PREPARATION FOR HEADLIGHT AIM ADJUSTMENT

- (a) Prepare the vehicle:
- Ensure there is no damage or deformation to the body around the headlights.
 - Fill the fuel tank.
 - Make sure that the oil is filled to the specified level.
 - Make sure that the coolant is filled to the specified level.
 - Inflate the tires to the appropriate pressure.
 - Place the spare tire, tools, and jack in their original position.
 - Unload the trunk.
 - Seat a person of average weight (68 kg, 150 lb) in the driver's seat.

2. PREPARATION FOR HEADLIGHT AIMING (Using a tester)

- (a) Prepare the vehicle for headlight aim check.
 (b) Adjust in accordance with headlight tester instructions.

3. PREPARATION FOR HEADLIGHT AIMING (Using a screen)

- (a) Prepare the vehicle according to the following conditions:
- Place the vehicle in a location that is dark enough to clearly observe the cutoff line. The cutoff line is a distinct line, below which light from the headlights can be observed and above which it cannot.
 - Place the vehicle at a 90° angle to the wall.
 - Create a 7.62 m (25 ft.) distance between the vehicle (headlight bulb center) and the wall.
 - Place the vehicle on a level surface.
 - Bounce the vehicle up and down to settle the suspension.

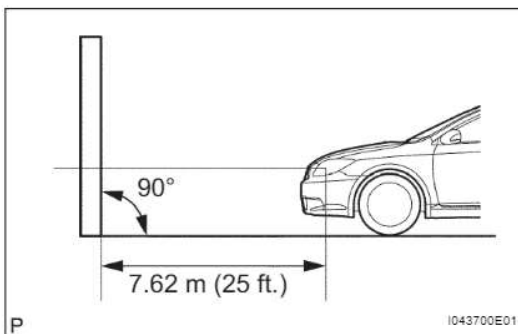
NOTICE:

A distance of 7.62 m (25 ft.) between the vehicle and the wall is necessary for proper aim adjustment. If unavailable, secure a distance of exactly 3 m (9.84 ft.) for check and adjustment. (The target zone will change with the distance so follow the instructions in the illustration.)

- (b) Prepare a piece of thick white paper (approximately 2 m (6.6 ft.) (height) x 4 m (13.1 ft.) (width)) to use as a screen.
 (c) Draw a vertical line down the center of screen (V line).
 (d) Set the screen as shown in the illustration.

HINT:

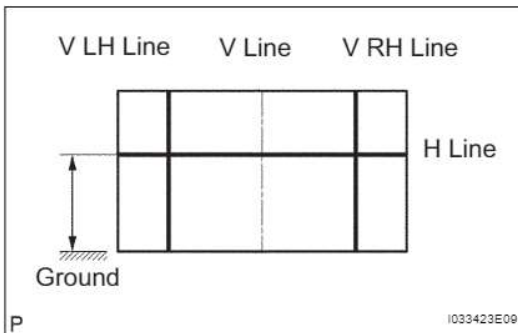
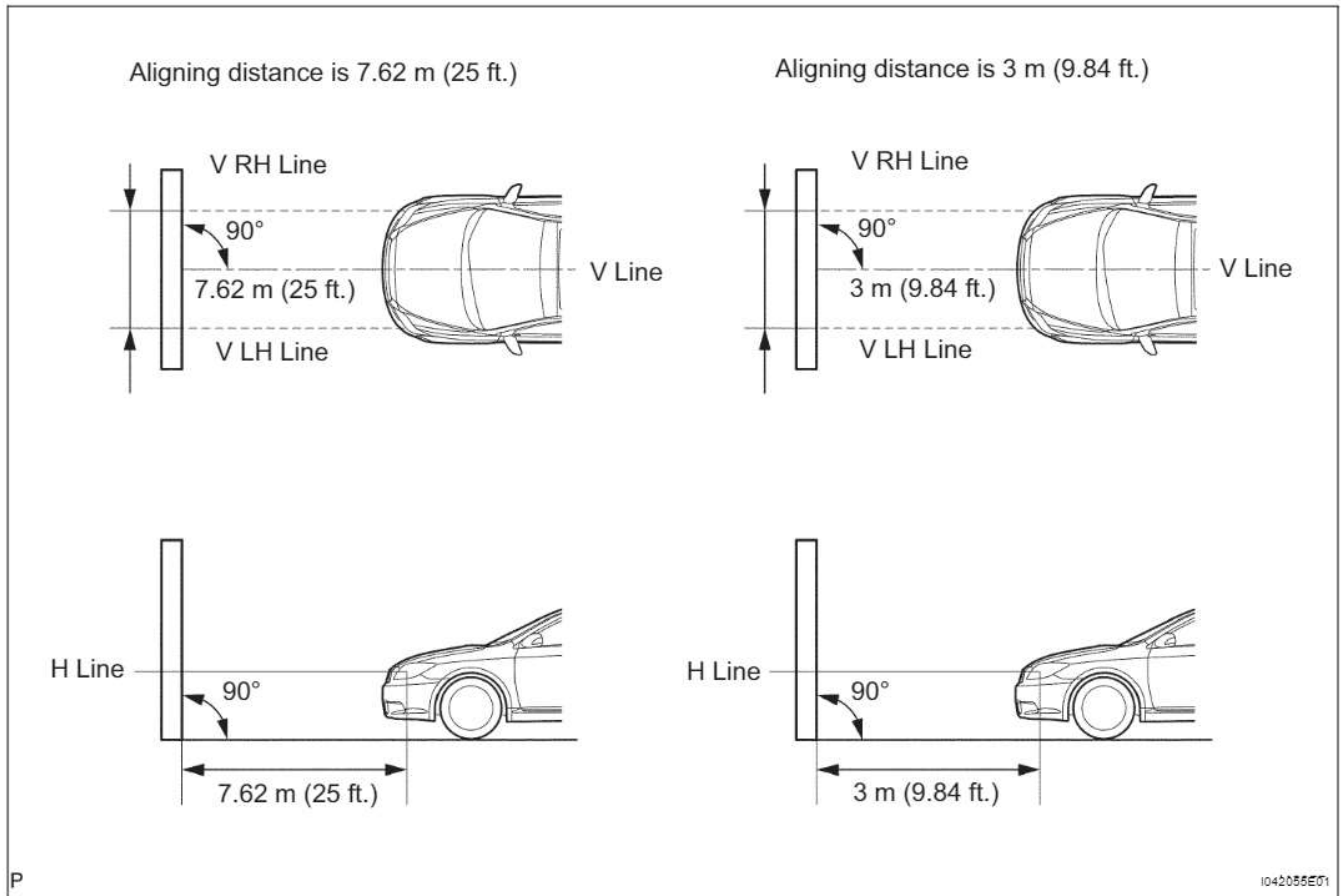
- Stand the screen perpendicular to the ground.



LIGHTING – HEADLIGHT ASSEMBLY

LI-13

- Align the V line on the screen with the center of the vehicle.



- (e) Draw base lines (H line, V LH, V RH lines) on the screen as shown in the illustration.

HINT:

- The base lines differ for "low-beam inspection" and "high-beam inspection".
 - Follow the same procedures for "high-beam inspection".
 - Mark the headlight bulb center marks on the screen. If the center mark cannot be observed on the headlight, use the center of the headlight bulb or the manufacturer's name marked on the headlight as the center mark.
- (1) H Line (Headlight height): Draw a horizontal line across the screen so that it passes through the center marks. The H line should be at the same height as the headlight bulb center marks of the low-beam headlights.
 - (2) V LH Line, V RH Line (Center mark position of left - hand (LH) and right-hand (RH) headlights): Draw two vertical lines so that they intersect the H line at each center mark (aligned with the center of the low-beam headlight bulbs).

LI-14

LIGHTING – HEADLIGHT ASSEMBLY

4. INSPECT HEADLIGHT AIMING

- (a) Cover or disconnect the connector of the headlight on the opposite side to prevent light from the headlight not being inspected from affecting headlight aiming inspection.

NOTICE:

Do not keep the headlight covered for more than 3 minutes. The headlight lens is made of synthetic resin, and may easily melt or be damaged due to heat.

HINT:

When checking the aim of the high-beam, cover the low-beam or disconnect the connector.

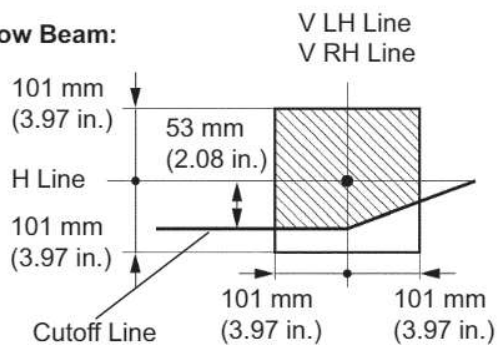
- (b) Start the engine.

NOTICE:

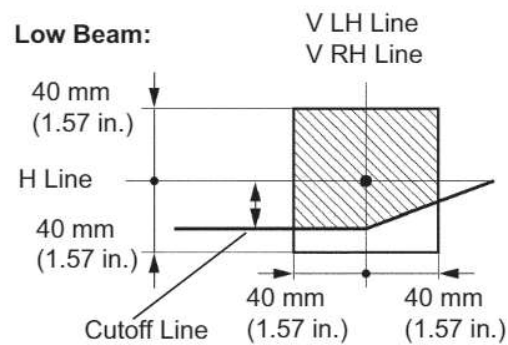
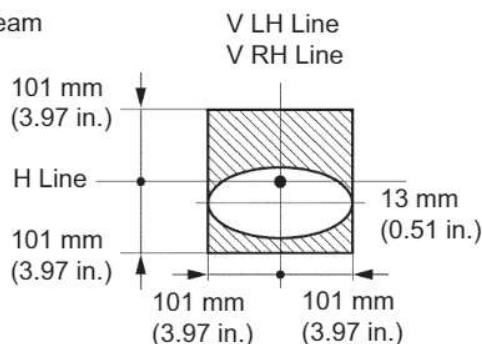
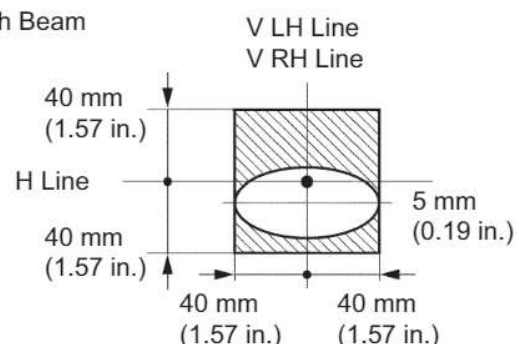
Engine rpm must be 1,500 or more.

- (c) Turn on the headlight and make sure that the cutoff line falls within the specified area, as shown in the illustration.

Aligning distance is 7.62 m (25 ft.)

Low Beam:

Aligning distance is 3 m (9.84 ft.)

Low Beam:**High Beam****High Beam**

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HINT:

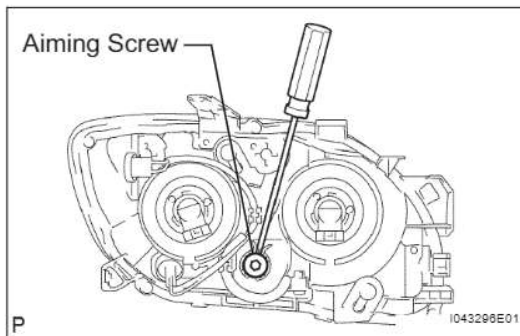
- Alignment distance is 7.62 m (25 ft.):
- The cutoff line is 101 mm (3.97 in.) above and below the H line as well as left and right of the V line with low-beam (SAE J599).
- Alignment distance is 3 m (9.84 ft.):

LIGHTING – HEADLIGHT ASSEMBLY

LI-15

- The cutoff line is 40 mm (1.57 in.) above and below the H line as well as left and right of the V line with low-beam (SAE J599).
- Alignment distance is 7.62 m (25 ft.):
- The cutoff line is 101 mm (3.97 in.) above and below the H line as well as left and right of the V line with high-beam (SAE J599).
- Alignment distance is 3 m (9.84 ft.):
- The cutoff line is 40 mm (1.57 in.) above and below the H line as well as left and right of the V line with high-beam (SAE J599).
- Alignment distance is 7.62 m (25 ft.):
- The cutoff line is 53 mm (2.08 in.) below the H line with low-beam.
- Alignment distance is 3 m (9.84 ft.):
- The cutoff line is 21 mm (0.82 in.) below the H line with low-beam.
- Since the low-beam light and the high-beam light are a unit, if the aim on one is correct, the other should also be correct. However, check both beams just to make sure.

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5. ADJUST HEADLIGHT AIMING

- Adjust the aim vertically.
- Adjust the headlight aim into the specified range by turning the aiming screw with a screwdriver.

NOTICE:

The final turn of the aiming screw should be made in the clockwise direction. If the screw is tightened excessively, loosen it and then retighten it, so that the final turn of the screw is in the clockwise direction.

HINT:

- Perform low-beam aim adjustment.
- The headlight aim moves up when turning the aiming screw clockwise, and moves down when turning the aiming screw counterclockwise.

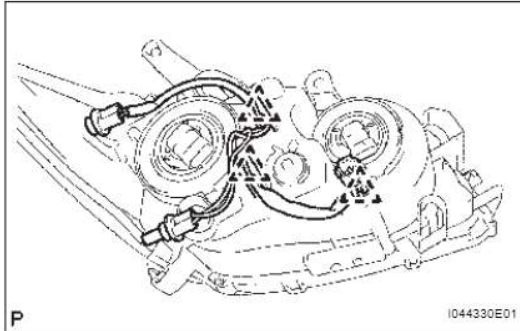
LI-16

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.

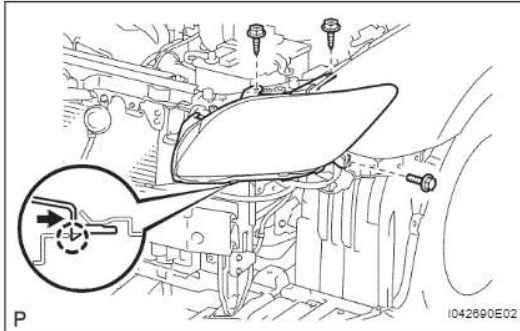


- 1. INSTALL HEADLIGHT CORD LH**
(a) Attach the 3 clamps to install the headlight cord LH.
- 2. INSTALL FRONT SIDE MAKER LIGHT BULB**
(a) Install the front side maker light bulb to the socket.
(b) Install the front side maker light socket.
- 3. INSTALL CLEARANCE LIGHT BULB**
(a) Install the clearance light bulb to the front socket.
(b) Install the clearance light socket.
- 4. INSTALL FRONT TURN SIGNAL LIGHT BULB**
(a) Install the front turn signal light bulb to the socket.
(b) Install the front turn signal light socket.
- 5. INSTALL NO. 2 HEADLIGHT BULB**
- 6. INSTALL NO.1 HEADLIGHT BULB**
- 7. INSTALL HEADLIGHT ASSEMBLY LH**
(a) Connect the connectors, and attach the claw to install the headlight assembly LH.
(b) Install the 2 screws and bolt.

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) Connect the connectors, and install the LH headlight assembly.
 - (b) Install the 2 screws and bolt and attach the claw.
- 2. INSTALL FRONT BUMPER COVER** (See page [ET-5](#))
- 3. INSTALL FRONT FENDER LINER RH** (See page [ET-5](#))
- 4. INSTALL FRONT FENDER LINER LH** (See page [ET-5](#))
- 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.
- 7. VEHICLE PREPARATION FOR HEADLIGHT AIM ADJUSTMENT** (See page [LI-10](#))
- 8. PREPARATION FOR HEADLIGHT AIMING** (Using a tester) (See page [LI-11](#))
- 9. PREPARATION FOR HEADLIGHT AIMING** (Using a screen) (See page [LI-11](#))
- 10. INSPECT HEADLIGHT AIMING** (See page [LI-13](#))
- 11. ADJUST HEADLIGHT AIMING** (See page [LI-14](#))

LI

LI-18

LIGHTING – HEADLIGHT ASSEMBLY

REPAIR

HINT:

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

1. INSTALL HEADLIGHT PROTECTOR RETAINER UPPER LH

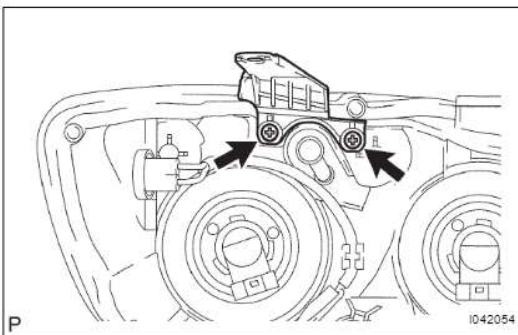
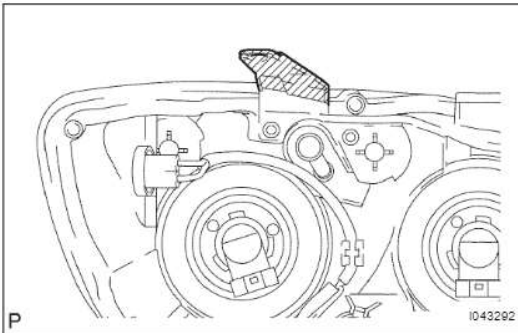
HINT:

- If the installation area of the headlight is damaged, use the supply bracket for low-cost repair.
- Ensure that the headlight assembly is not damaged.

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

NOTICE:

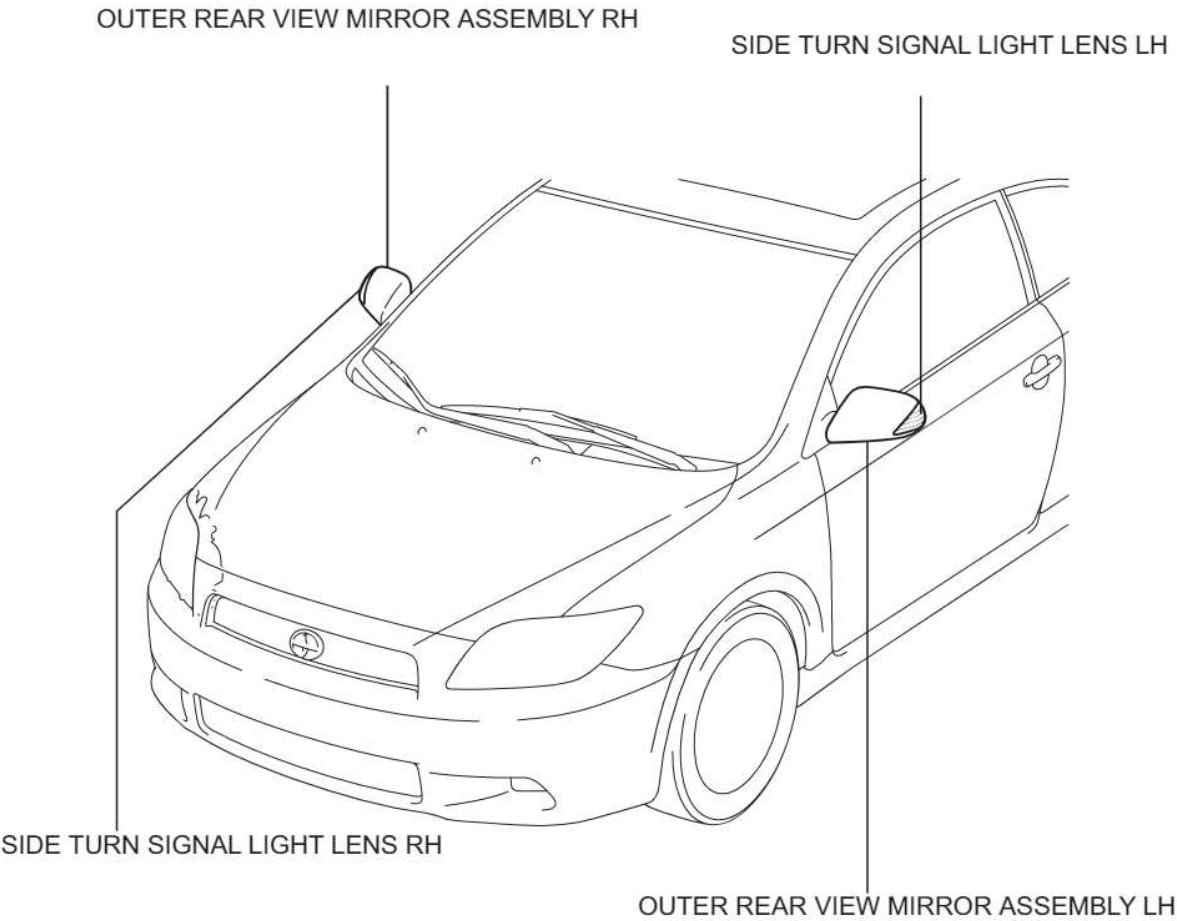
After cutting off the part, place the headlight protector retainer upper against the bosses and gradually file away until installation is possible.



- (b) Install the headlight protector retainer upper LH with the 2 screws.

SIDE TURN SIGNAL LIGHT ASSEMBLY
COMPONENTS

LI



LI-18

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**

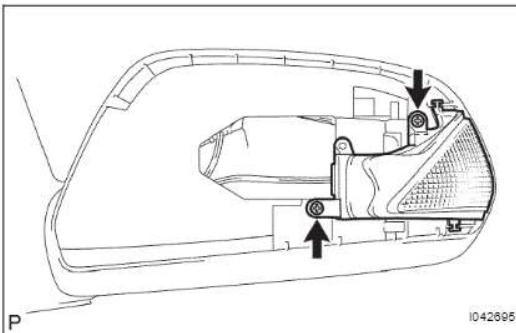
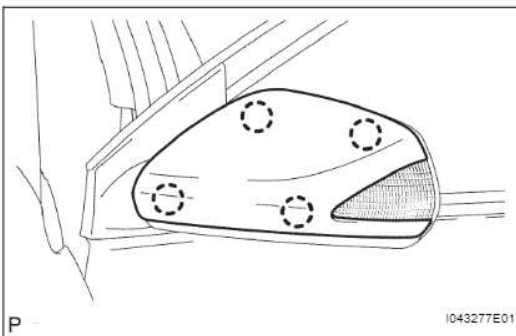
CAUTION:

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-8)**

3. **REMOVE 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 LH.

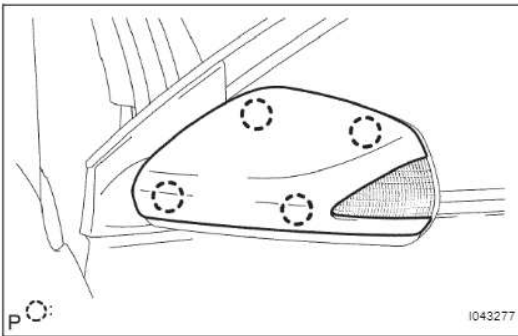
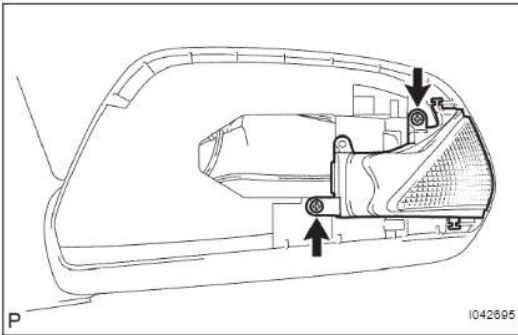
INSTALLATION

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 LENS LH

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



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

2. INSTALL OUTER REAR VIEW MIRROR ASSEMBLY LH (See page [MI-10](#))

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.

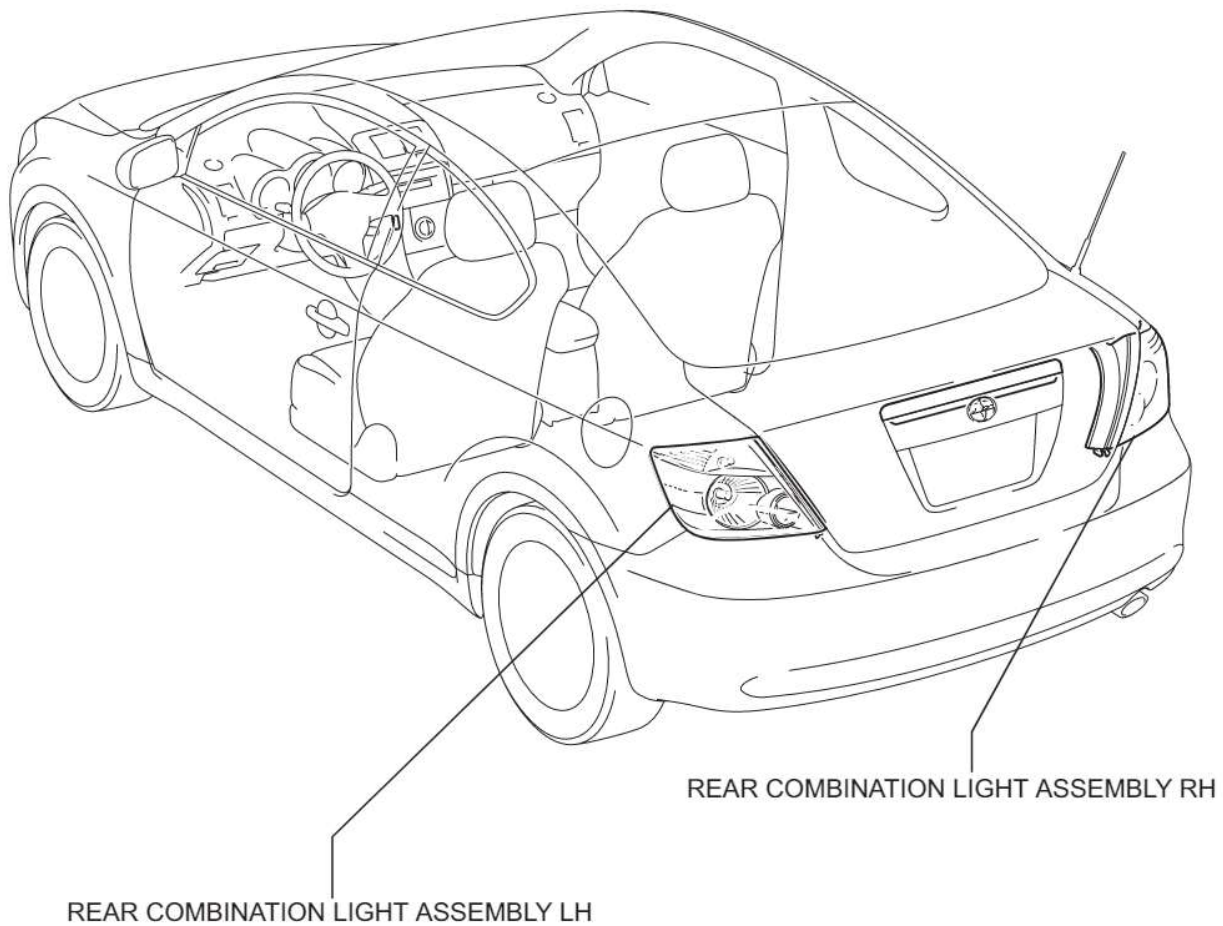
LI

LI-20

LIGHTING – REAR COMBINATION LIGHT ASSEMBLY

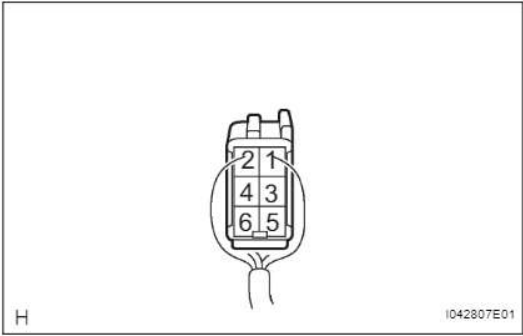
REAR COMBINATION LIGHT ASSEMBLY COMPONENTS

LI



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ON-VEHICLE INSPECTION

1. INSPECT REAR COMBINATION LIGHT ASSEMBLY

- (a) Measure the voltage according to the value(s) in the table below.

Standard voltage

Tester Connection	Condition	Specified Condition
2 - 6	Light control switch is in TAIL position	10 to 14 V
3 - 6	Shift R position	10 to 14 V
4 - 6	Turn signal switch is in LH (RH) position	Alternating between 0 to 9 V (60 to 120 times per minute)
5 - 6	Brake pedal is depressed	10 to 14 V

LI

LI-22

LIGHTING – REAR COMBINATION LIGHT ASSEMBLY

REMOVAL

HINT:

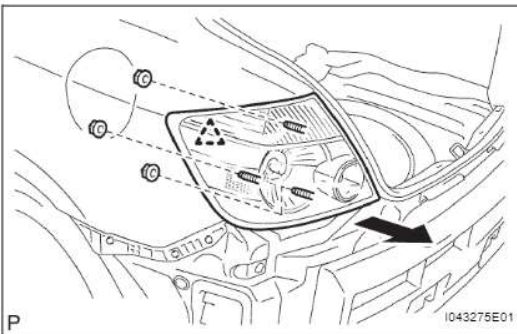
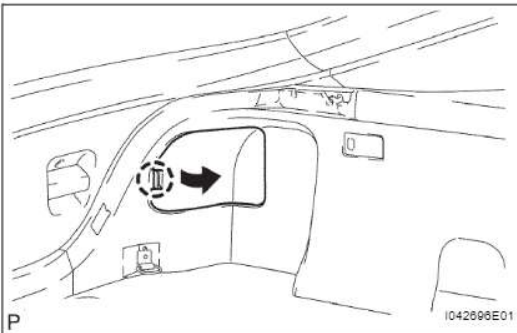
- Use the same procedures for the RH side and LH side.
- The procedures listed below are for the LH side.

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 REAR BUMPER COVER (See page ET-7)**3. REMOVE REAR FLOOR SERVICE HOLE COVER**

- (a) Detach the claw and remove the rear floor service hole cover.

**4. REMOVE REAR COMBINATION LIGHT ASSEMBLY LH**

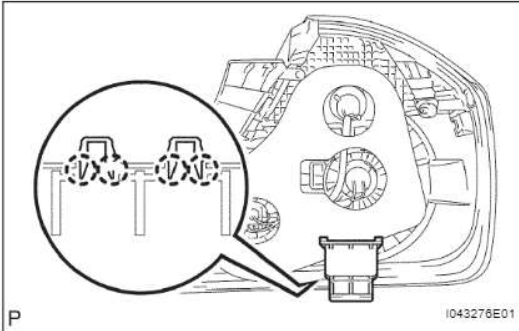
- (a) Disconnect the connector.
- (b) Remove the 3 nuts.
- (c) Remove the pin, and then remove the rear combination light.

LIGHTING – REAR COMBINATION LIGHT ASSEMBLY**LI-23****DISASSEMBLY****HINT:**

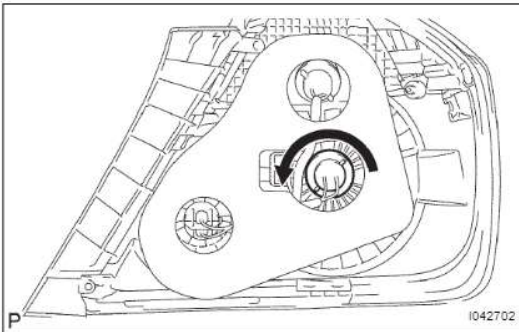
- Use the same procedures for the RH side and LH side.
- The procedures listed below are for the LH side.

1. REMOVE REAR SIDE BRACKET LH

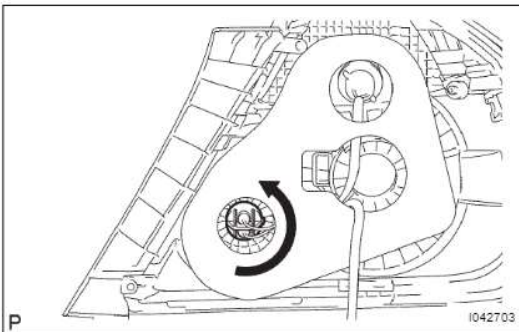
- (a) Using needle nose pliers, detach the claws and remove the rear bumper side bracket from the rear combination light assembly.

**2. REMOVE TAIL AND STOP LIGHT BULB**

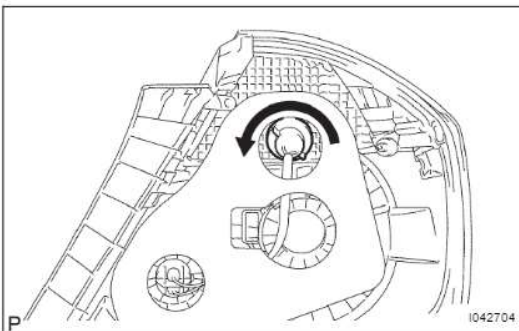
- (a) Remove the light socket as shown in the illustration.
 (b) Remove the light bulb from the light socket.

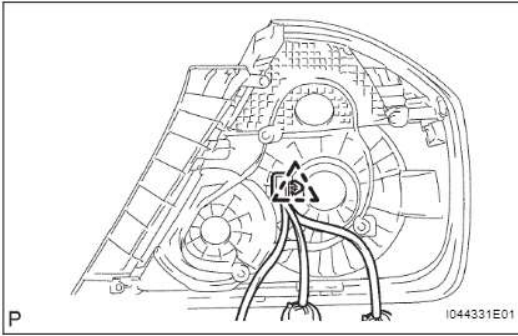
**3. REMOVE BACK-UP LIGHT BULB**

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

**4. REMOVE REAR TURN SIGNAL LIGHT BULB**

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

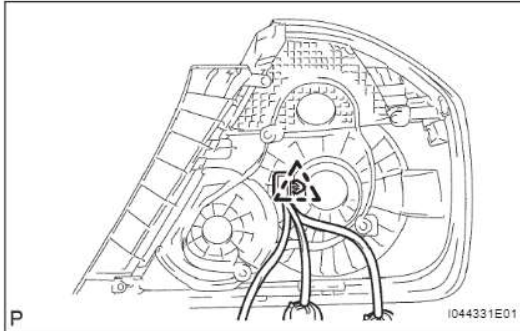
**5. REMOVE REAR COMBINATION LIGHT BODY PACKING LH**

LI-24**LIGHTING – REAR COMBINATION LIGHT ASSEMBLY****6. REMOVE REAR COMBINATION LIGHT SOCKET AND WIRE SUB-ASSEMBLY**

- (a) Detach the clamp and remove the rear combination light socket and wire.

LIGHTING – REAR COMBINATION LIGHT ASSEMBLY**LI-25****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 COMBINATION LIGHT SOCKET AND WIRE SUB-ASSEMBLY**

- (a) Attach the clamp and install the rear combination light socket and wire.

2. INSTALL REAR COMBINATION LIGHT BODY GASKET LH**3. INSTALL REAR TURN SIGNAL LIGHT BULB**

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

4. INSTALL BACK-UP LIGHT BULB

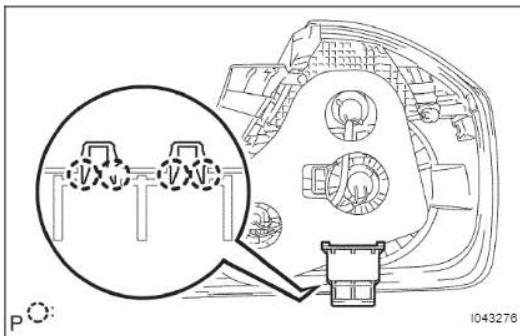
- (a) Install the light bulb to the light socket.
- (b) Install the light socket.

5. INSTALL TAIL AND STOP LIGHT BULB

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

6. INSTALL REAR BUMPER SIDE BRACKET LH

- (a) Install the rear bumper side bracket to the rear combination light.

**LI**

LI-26

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 pin, and then install the rear combination light assembly LH.
- (b) Install the 3 nuts.
- (c) Connect the connector.

2. INSTALL REAR FLOOR SERVICE HOLE COVER

- (a) Install the rear floor service hole cover.

3. INSTALL REAR BUMPER COVER (See page [ET-8](#))**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.

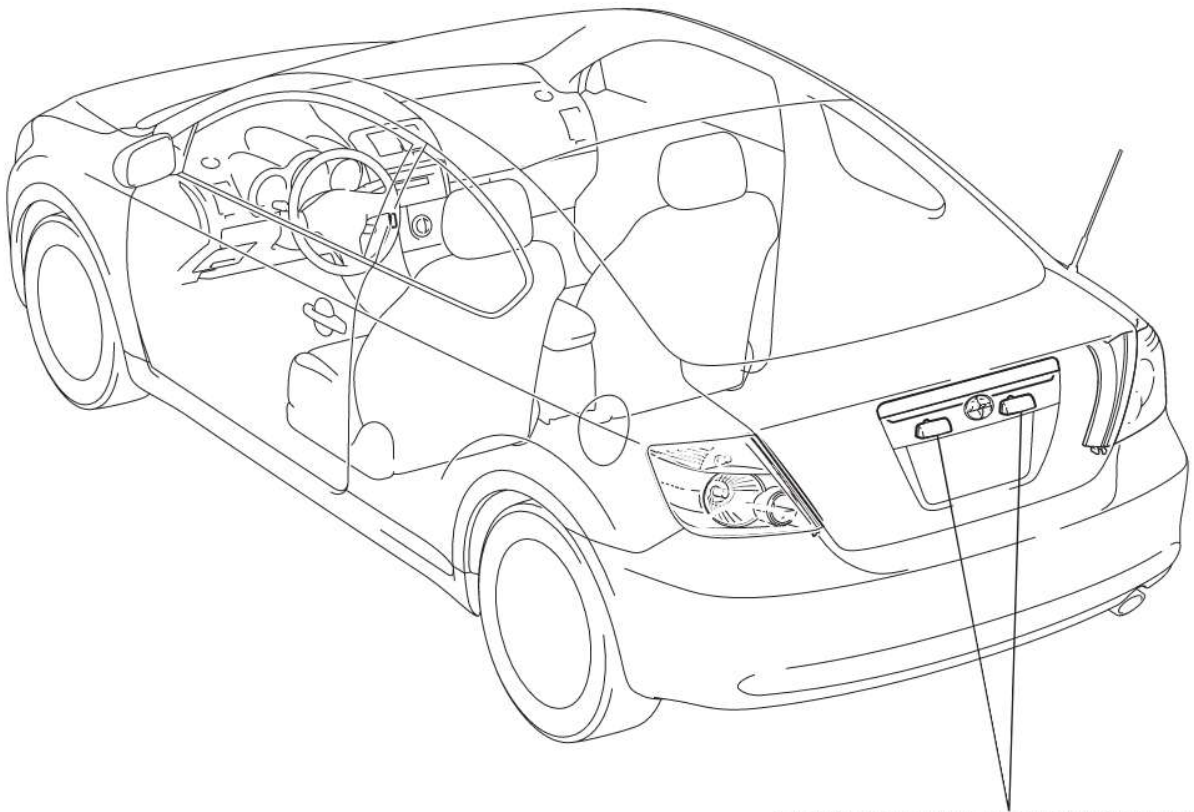
LI

LI-24

LIGHTING – LICENSE PLATE LIGHT ASSEMBLY

LICENSE PLATE LIGHT ASSEMBLY COMPONENTS

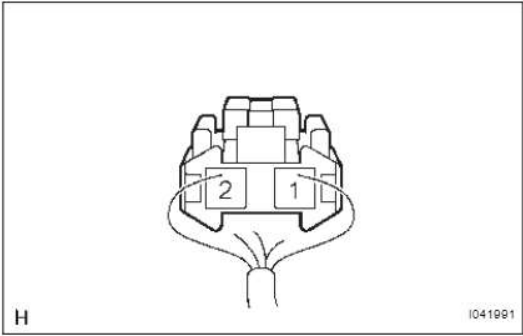
LI



LICENSE PLATE LIGHT ASSEMBLY

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ON-VEHICLE INSPECTION

1. INSPECT LICENSE PLATE LIGHT ASSEMBLY
- (a) Measure the voltage according to the value(s) in the table below.
- Standard voltage**

Tester Connection	Condition	Specified Condition
1 - 2	Light control switch is in TAIL position	10 to 14 V

LI-26

LIGHTING – LICENSE PLATE 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 BACK DOOR GARNISH CENTER** (See page [ED-24](#))
- 3. REMOVE BACK DOOR SIDE GARNISH LH** (See page [ED-24](#))
- 4. REMOVE BACK DOOR SIDE GARNISH RH** (See page [ED-24](#))
- 5. REMOVE BACK DOOR GARNISH SUB - ASSEMBLY OUTSIDE** (See page [ET-22](#))

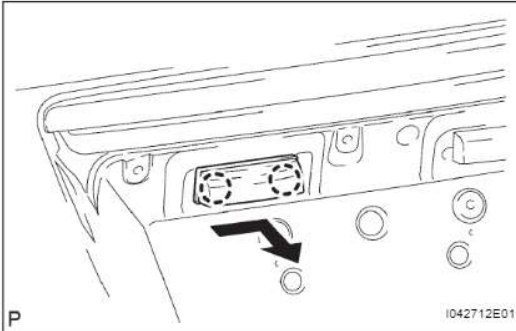
LI

LIGHTING – LICENSE PLATE LIGHT ASSEMBLY**LI-27****DISASSEMBLY****HINT:**

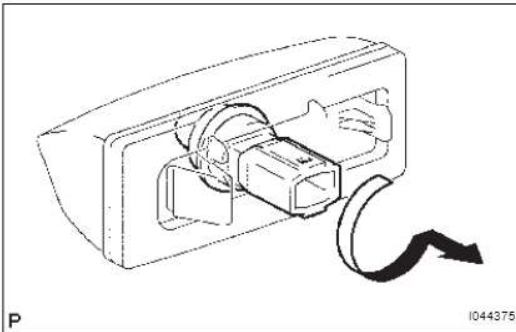
- Use the same procedures for the RH side and LH side.
- The procedures listed below are for the LH side.

1. REMOVE LICENSE PLATE LIGHT ASSEMBLY

- (a) Disconnect the connector.
- (b) Detach the 2 claws and remove the license plate light as shown in the illustration.

**2. REMOVE LICENSE PLATE LIGHT BULB**

- (a) Turn in the direction indicated by the arrow and remove the license plate light bulb, and the license plate light socket and wire as a unit.
- (b) Remove the license plate light bulb from the license plate light socket and wire.

**3. REMOVE LICENSE PLATE LIGHT LENS**

LI-28**LIGHTING – LICENSE PLATE 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 LICENSE PLATE LIGHT LENS**2. INSTALL LICENSE PLATE LIGHT BULB**

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

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 LICENSE PLATE LIGHT ASSEMBLY

- (a) Attach the 2 claws and install the license plate light assembly.
- (b) Connect the connector.

2. INSTALL BACK DOOR GARNISH SUB-ASSEMBLY OUTSIDE

3. INSTALL BACK DOOR SIDE GARNISH RH (See page [ED-28](#))

4. INSTALL BACK DOOR SIDE GARNISH LH (See page [ED-28](#))

5. INSTALL BACK DOOR GARNISH CENTER (See page [ED-28](#))

6. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL

7. PERFORM INITIALIZATION

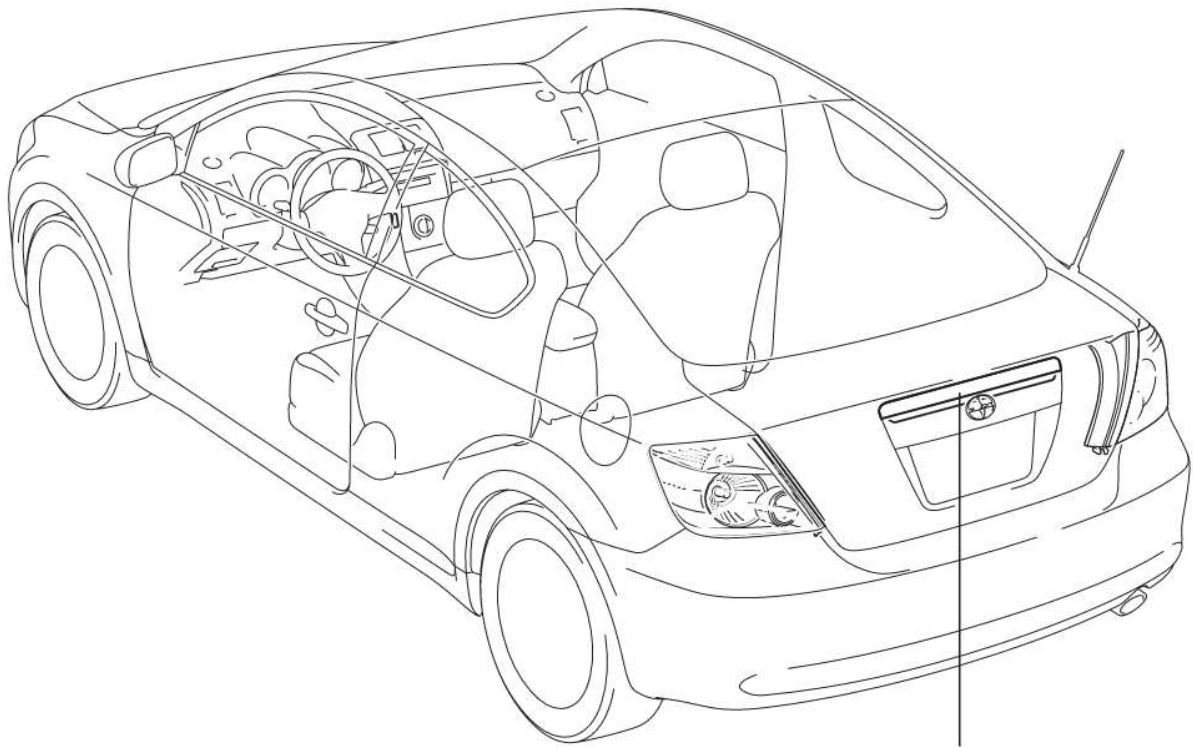
- (a) Perform initialization (see page [IN-23](#)).

NOTICE:

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

LI

HIGH MOUNTED STOP LIGHT ASSEMBLY COMPONENTS

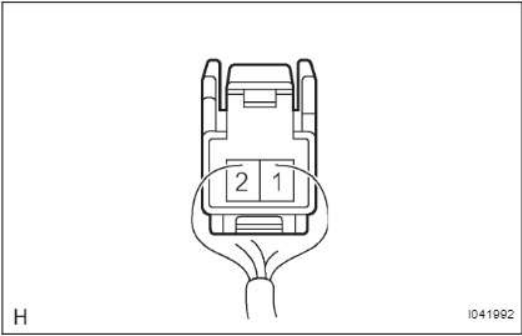


CENTER STOP LIGHT ASSEMBLY

LI

LI-28

LIGHTING – HIGH MOUNTED STOP LIGHT ASSEMBLY



ON-VEHICLE INSPECTION

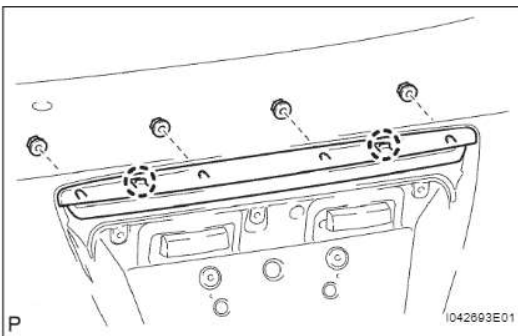
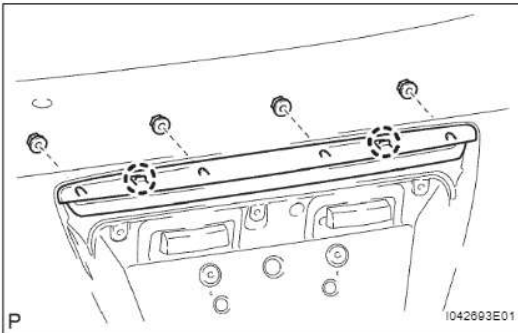
1. INSPECT CENTER STOP LIGHT ASSEMBLY
- (a) Measure the voltage according to the value(s) in the table below.
- Standard resistance**

Tester Connection	Condition	Specified Condition
1 - 2	Brake pedal is depressed	10 to 14 V



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 GARNISH CENTER** (See page [ED-24](#))
3. **REMOVE BACK DOOR SIDE GARNISH LH** (See page [ED-24](#))
4. **REMOVE BACK DOOR SIDE GARNISH RH** (See page [ED-24](#))
5. **REMOVE BACK DOOR GARNISH SUB-ASSEMBLY OUTSIDE**
6. **REMOVE CENTER STOP LIGHT ASSEMBLY**
 - (a) Disconnect the connector.
 - (b) Remove the 4 nuts and detach the 2 claws, and then remove the center stop light.



INSTALLATION

1. **INSTALL CENTER STOP LIGHT ASSEMBLY**
 - (a) Install the 4 nuts and attach the 2 claws, and then install the center stop light.
 - (b) Connect the connector.
2. **INSTALL BACK DOOR GARNISH SUB-ASSEMBLY OUTSIDE**
3. **INSTALL BACK DOOR SIDE GARNISH RH** (See page [ED-28](#))
4. **INSTALL BACK DOOR SIDE GARNISH LH** (See page [ED-28](#))
5. **INSTALL BACK DOOR GARNISH CENTER** (See page [ED-28](#))
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.

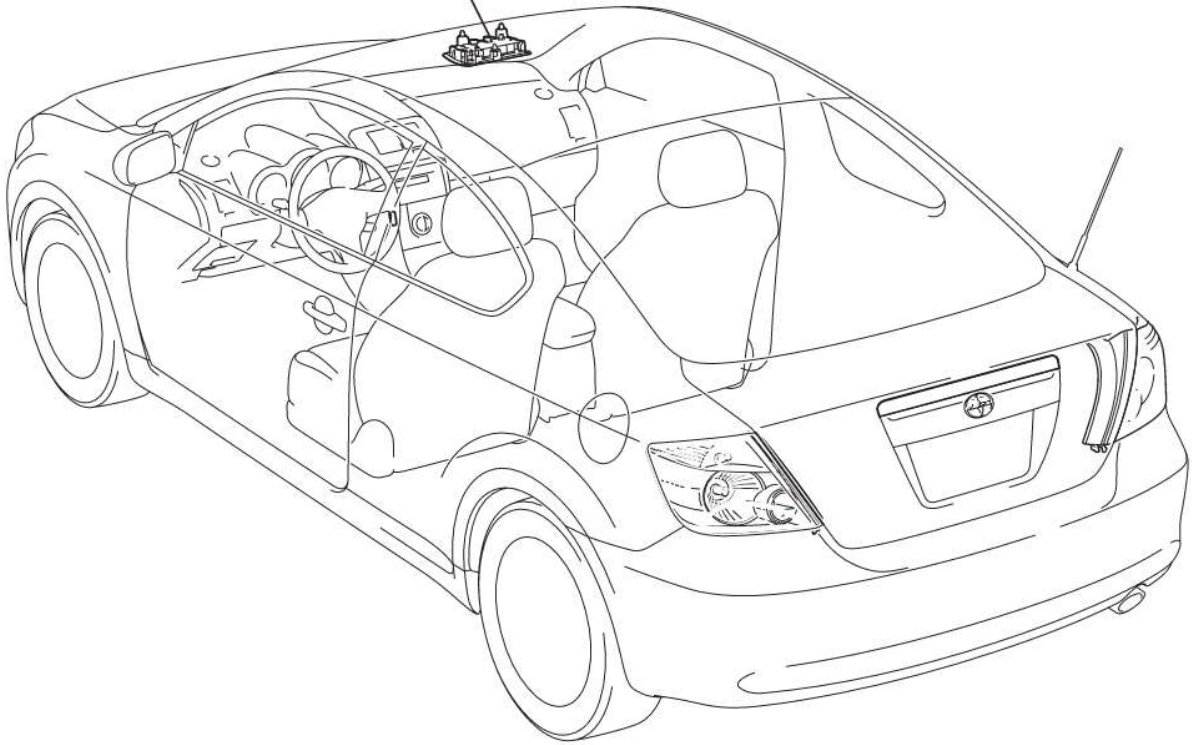
LI-30

LIGHTING – MAP LIGHT ASSEMBLY

MAP LIGHT ASSEMBLY COMPONENTS

LI

MAP LIGHT ASSEMBLY



P

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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 (See page IR-12)

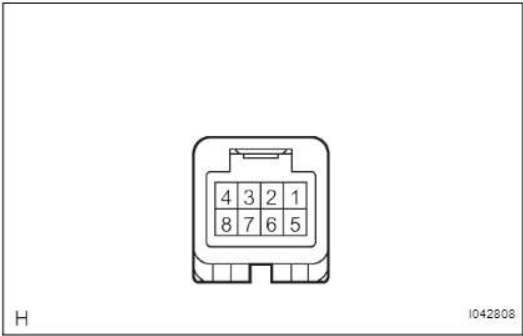
INSPECTION

1. INSPECT MAP LIGHT ASSEMBLY
- (a) Measure the resistance according to the value(s) in
the table below.

Standard resistance

Tester Connection	Condition	Specified Condition
3 - 4	Switch is OFF	10 kΩ or higher
3 - 8		

- (b) Connect the battery positive (+) lead to terminal 3
and the battery negative (-) lead to terminal 8, and
then check that the light comes on when the switch
is in the DOOR position.
- OK:
- Light comes on.
- (c) Connect the battery positive (+) lead to terminal 3
and the battery negative (-) lead to terminal 4, and
then check that the light comes on when the switch
is in the ON position.
- OK:
- Light comes on.



INSTALLATION

1. INSTALL MAP LIGHT ASSEMBLY (See page [IR-16](#))
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.

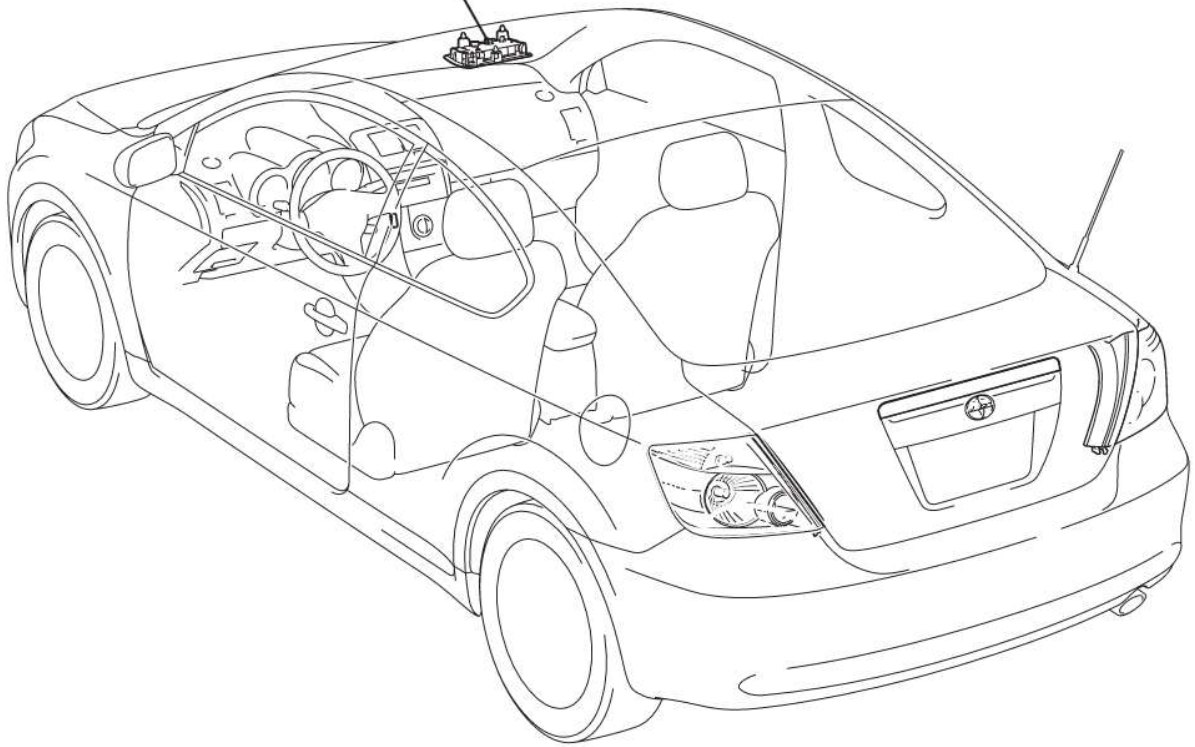
LI-32

LIGHTING – ROOM LIGHT ASSEMBLY

ROOM LIGHT ASSEMBLY COMPONENTS

LI

NO. 1 ROOM LIGHT ASSEMBLY



P

B117035E01

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-13)

INSPECTION

1. INSPECT NO. 1 ROOM LIGHT ASSEMBLY
- (a) Measure the resistance according to the value(s) in the table below.

Standard resistance

Tester Connection	Condition	Specified Condition
1 - 2	Switch is OFF	10 kΩ or higher
1 - 3		

- (b) Connect the battery positive (+) lead to terminal 1 and the battery negative (-) lead to terminal 2, nd then check that the light comes on when the switch is in the DOOR position.

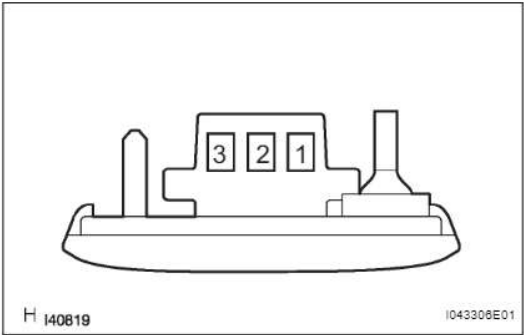
OK:

Light comes on.

- (c) Connect the battery positive (+) lead to terminal 1 and the battery negative (-) lead to terminal 3, and then check that the light comes on when the switch is in the ON position.

OK:

Light comes on.



LI-34

LIGHTING – ROOM LIGHT ASSEMBLY

INSTALLATION

1. **INSTALL NO. 1 ROOM LIGHT ASSEMBLY** (See page [IR-16](#))
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.



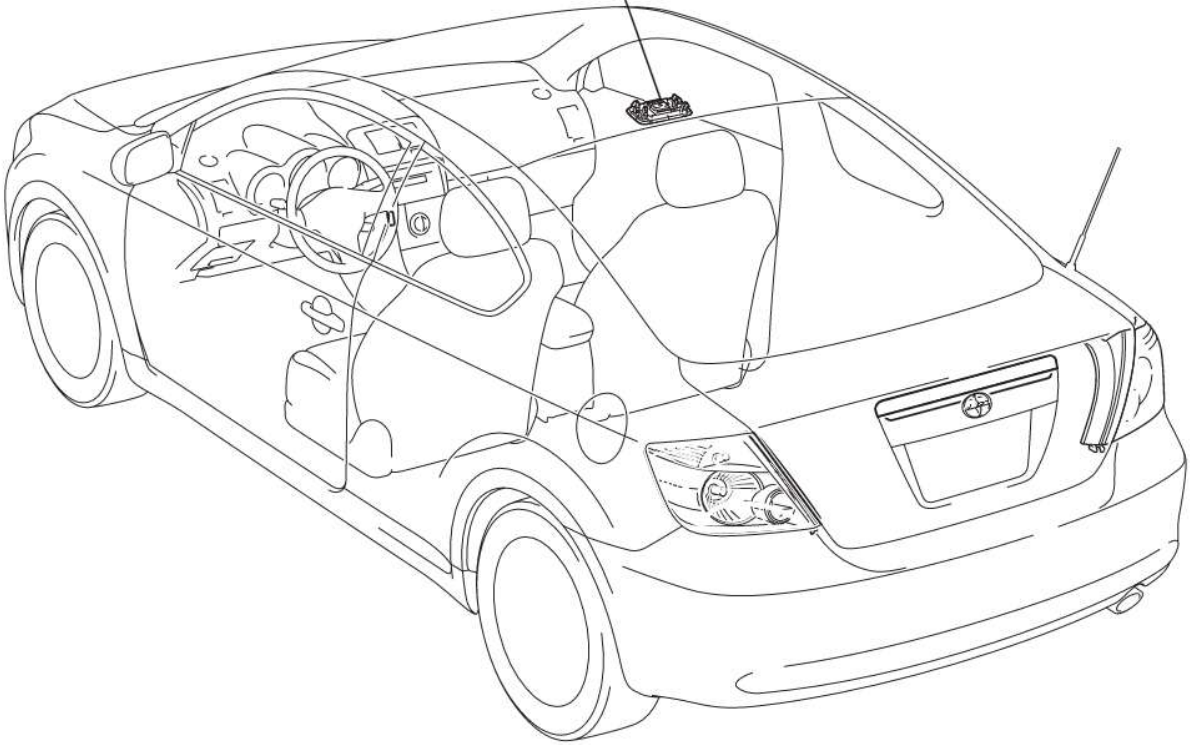
LI-34

LIGHTING – REAR ROOM LIGHT ASSEMBLY

REAR ROOM LIGHT ASSEMBLY COMPONENTS

LI

NO. 2 ROOM LIGHT ASSEMBLY



P

B117936E01

REMOVAL

1. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL

NOTICE:

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 ROOM LIGHT ASSEMBLY (See page [IR-13](#))

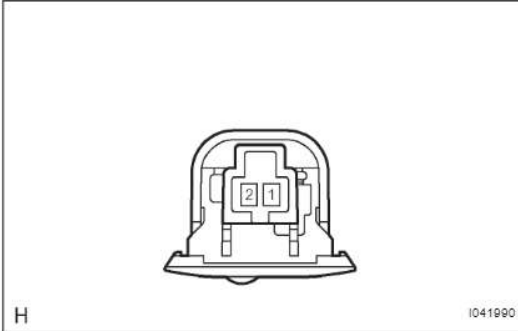
INSPECTION

1. INSPECT NO. 2 ROOM LIGHT ASSEMBLY

- (a) Connect the battery positive (+) lead to terminal 2 and the battery negative (-) lead to terminal 1, and then check that the light comes on when the switch is in the ON position.

OK:

Light comes on.

**LI**

LI-36

LIGHTING – REAR ROOM LIGHT ASSEMBLY

INSTALLATION

1. **INSTALL NO. 2 ROOM LIGHT ASSEMBLY** (See page [IR-16](#))
2. **DISCONNECT 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.



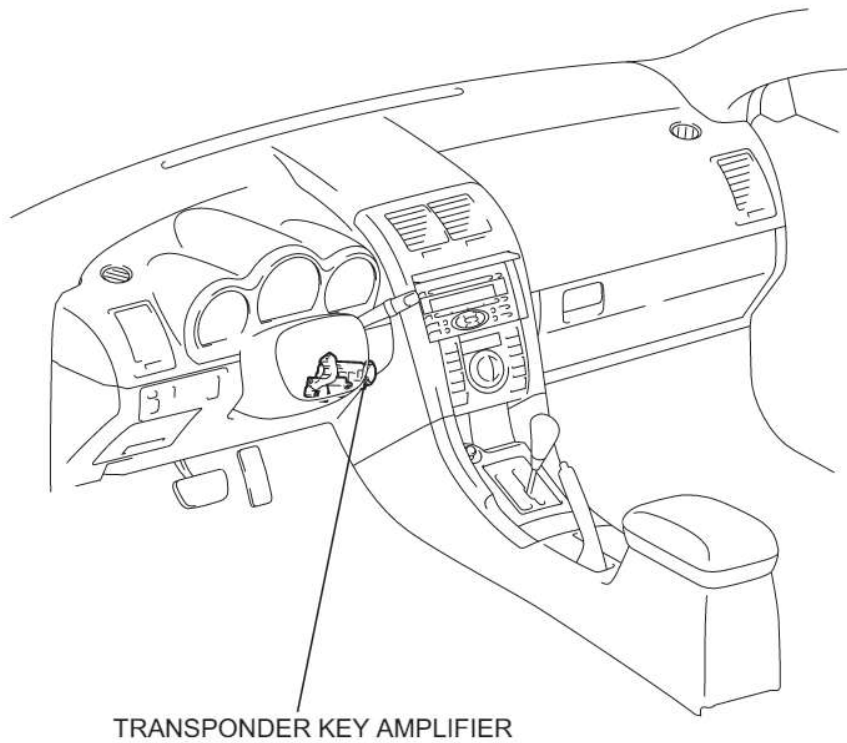
LI-36

LIGHTING – IGNITION KEY CYLINDER LIGHT

IGNITION KEY CYLINDER LIGHT

COMPONENTS

LI



P

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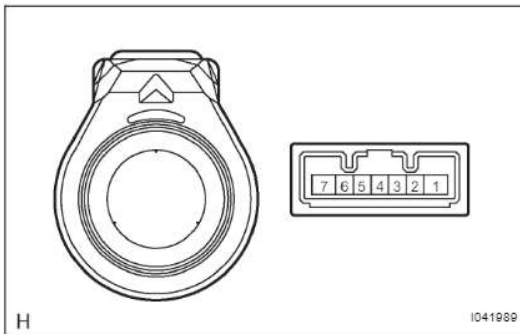
REMOVAL

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-8](#))
3. REMOVE TRANSPONDER KEY AMPLIFIER (See page [SR-9](#))



INSPECTION

1. INSPECT TRANSPONDER KEY AMPLIFIER

(a) Inspect the ignition key cylinder light operation.

- (1) Connect the battery positive (+) lead to terminal 2 and the battery negative (-) lead to terminal 6, and then check that the light comes on.

OK:

Light comes on.

LI

LI-38

LIGHTING – IGNITION KEY CYLINDER LIGHT

INSTALLATION

1. **INSTALL STEERING COLUMN COVER** (See page [SR-8](#))
2. **INSTALL TRANSPONDER KEY AMPLIFIER** (See page [SR-14](#))
3. **CONNECT CABLE TO NEGATIVE BATTERY TERMINAL**
4. **PERFORM INITIALIZATION**
 - (a) Perform initialization (see page [IN-23](#)).

NOTICE:

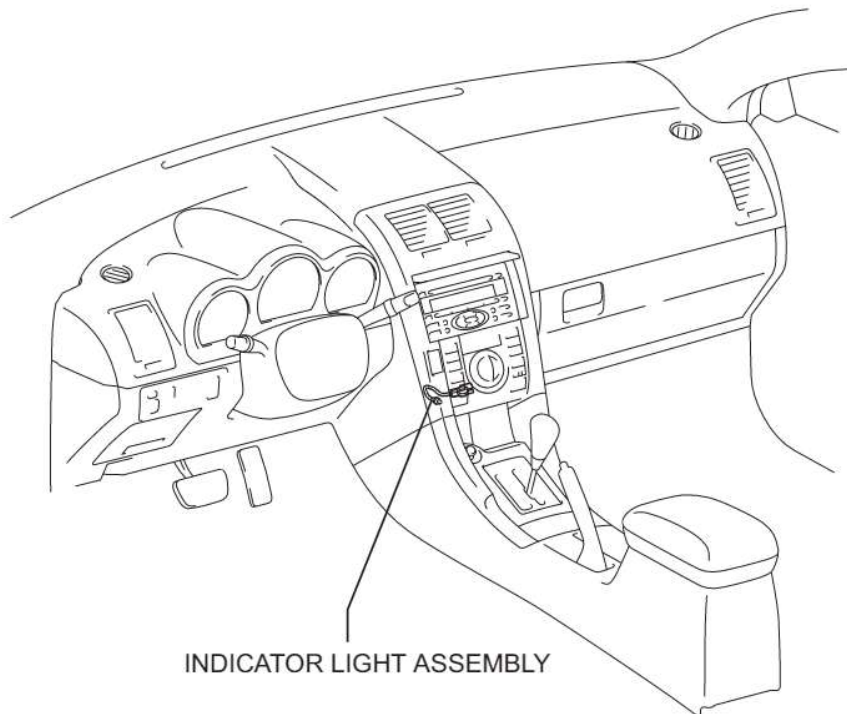
Certain systems need to be initialized after disconnecting and reconnecting the cable from the negative (-) battery terminal.

LI

LI-38

LIGHTING – FRONT CONSOLE ILLUMINATION

FRONT CONSOLE ILLUMINATION COMPONENTS



INDICATOR LIGHT ASSEMBLY

P

B118121E01

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 INSTRUMENT CLUSTER FINISH PANEL ASSEMBLY (See page [AC-71](#))

3. REMOVE INDICATOR LIGHT ASSEMBLY

- (a) Disconnect the connector.
- (b) Detach the clip and remove the light.

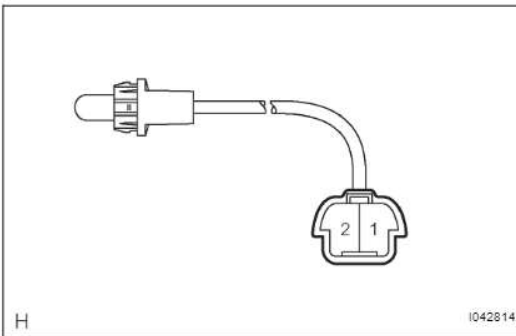
INSPECTION

1. INSPECT INDICATOR LIGHT

- (a) Inspect front console illumination.
 - (1) Connect the battery positive (+) lead to terminal 1 and the battery negative (-) lead to terminal 2, and then check that the light comes on.

OK:

light comes on.

**LI**

LI-40

LIGHTING – FRONT CONSOLE ILLUMINATION

INSTALLATION

1. **INSTALL INDICATOR LIGHT ASSEMBLY**
 - (a) Attach the clip and install the light.
 - (b) Connect the connector.
2. **INSTALL INSTRUMENT CLUSTER FINISH PANEL ASSEMBLY** (See page [AC-74](#))
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

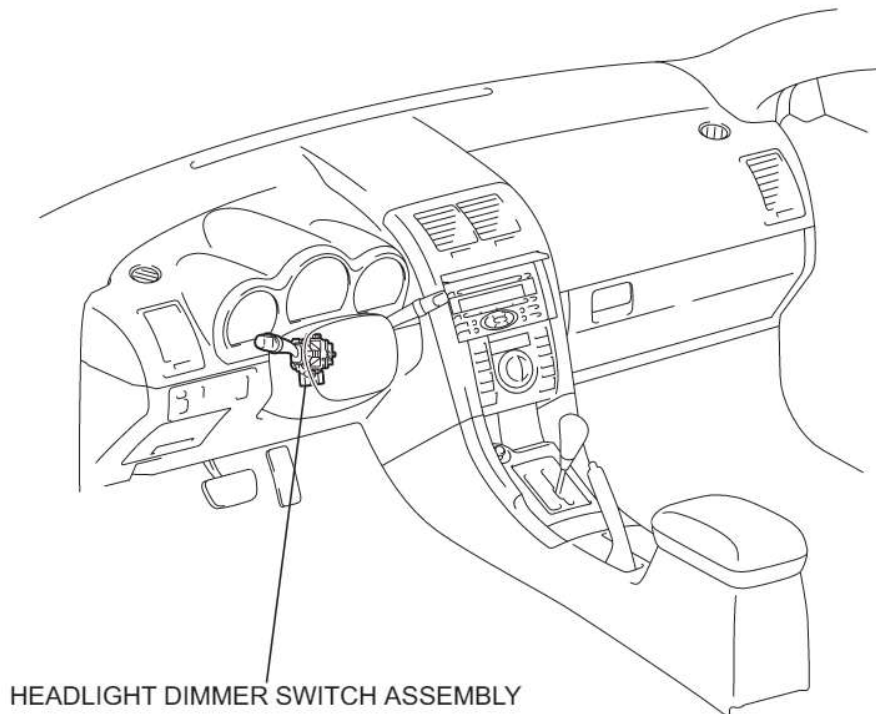
LI-40

LIGHTING – HEADLIGHT DIMMER SWITCH

HEADLIGHT DIMMER SWITCH

COMPONENTS

LI

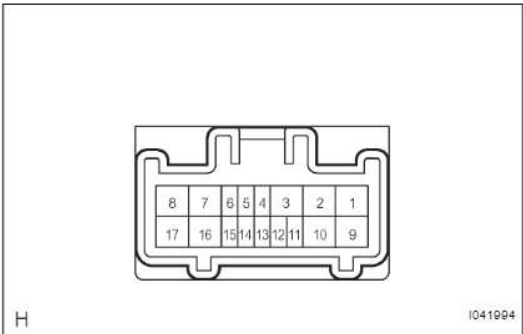
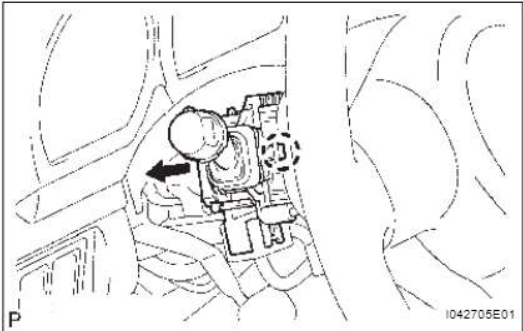


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REMOVAL

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-8)
3. REMOVE HEADLIGHT DIMMER SWITCH ASSEMBLY
- (a) Disconnect the connector.
- (b) Detach the claw and remove the headlight dimmer switch.
- NOTICE:
Do not push the claw strongly, otherwise it will be damaged.



INSPECTION

1. INSPECT HEADLIGHT DIMMER SWITCH ASSEMBLY
- (a) Inspect the light control switch.
- (1) Measure the resistance according to the value(s) in the table below.
- Standard resistance
- | Tester Connection | Condition | Specified Condition |
|--------------------|-----------|---------------------|
| 13 - 16
14 - 16 | OFF | 10 kΩ or higher |
| 14 - 16 | TAIL | Below 1 Ω |
| 13 - 16
14 - 16 | HEAD | Below 1 Ω |
- (b) Inspect the headlight dimmer switch.
- (1) Measure the resistance according to the value(s) in the table below.
- Standard resistance
- | Tester Connection | Condition | Specified Condition |
|-------------------|-----------|---------------------|
| 8 - 16
7 - 8 | FLASH | Below 1 Ω |
| 16 - 17 | LOW BEAM | Below 1 Ω |
| 7 - 16 | HIGH BEAM | Below 1 Ω |
- (c) Inspect the turn signal switch.
- (1) Measure the resistance according to the value(s) in the table below.
- Standard resistance
- | Tester Connection | Condition | Specified Condition |
|-------------------|------------|---------------------|
| 1 - 2 | Left turn | Below 1 Ω |
| 1 - 2
2 - 3 | Neutral | 10 kΩ or higher |
| 2 - 3 | Right turn | Below 1 Ω |

LI-42**LIGHTING – HEADLIGHT DIMMER SWITCH**

INSTALLATION**1. INSTALL HEADLIGHT DIMMER SWITCH ASSEMBLY**

- (a) Attach the claw and install the headlight dimmer switch assembly.
- (b) Connect the connector.

2. INSTALL STEERING COLUMN COVER**3. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL****4. PERFORM INITIALIZATION**

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

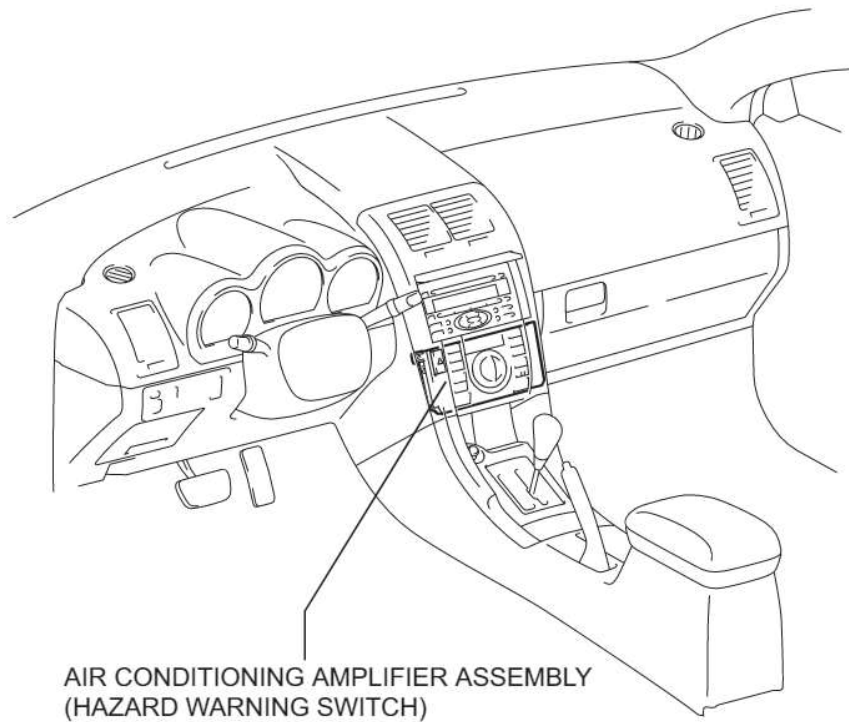
NOTICE:

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

LI

HAZARD WARNING SWITCH

COMPONENTS



LI

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 SHIFT LEVER KNOB SUB-ASSEMBLY (for
Manual Transaxle) (See page IP-5)
3. REMOVE UPPER CONSOLE PANEL (See page IP-5)
4. REMOVE INSTRUMENT CLUSTER FINISH PANEL
ASSEMBLY (See page AC-71)

INSPECTION

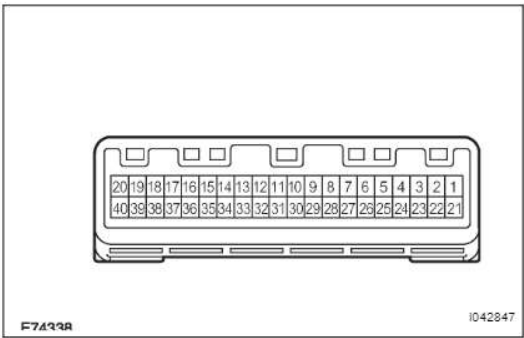
1. INSPECT AIR CONDITIONING AMPLIFIER
ASSEMBLY (HAZARD WARNING SWITCH)
(a) Inspect the hazard warning switch resistance.
(1) Measure the resistance according to the
value(s) in the table below.

Standard resistance

Tester Connection	Condition	Specified Condition
9 - 25	OFF	10 kΩ or higher
9 - 25	ON	Below 1 Ω

- (2) Connect the positive lead (+) from the battery
to terminal 25 and the negative (-) lead to
terminal 9, and then check that the light comes
on.

OK:
Light comes on.



INSTALLATION

1. INSTALL INSTRUMENT CLUSTER FINISH PANEL ASSEMBLY (See page [AC-74](#))
2. INSTALL UPPER CONSOLE PANEL (See page [IP-5](#))
3. REMOVE SHIFT LEVER KNOB SUB-ASSEMBLY (See page [IP-5](#))
4. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL
5. PERFORM INITIALIZATION
 - (a) Perform initialization (see page [IN-23](#)).

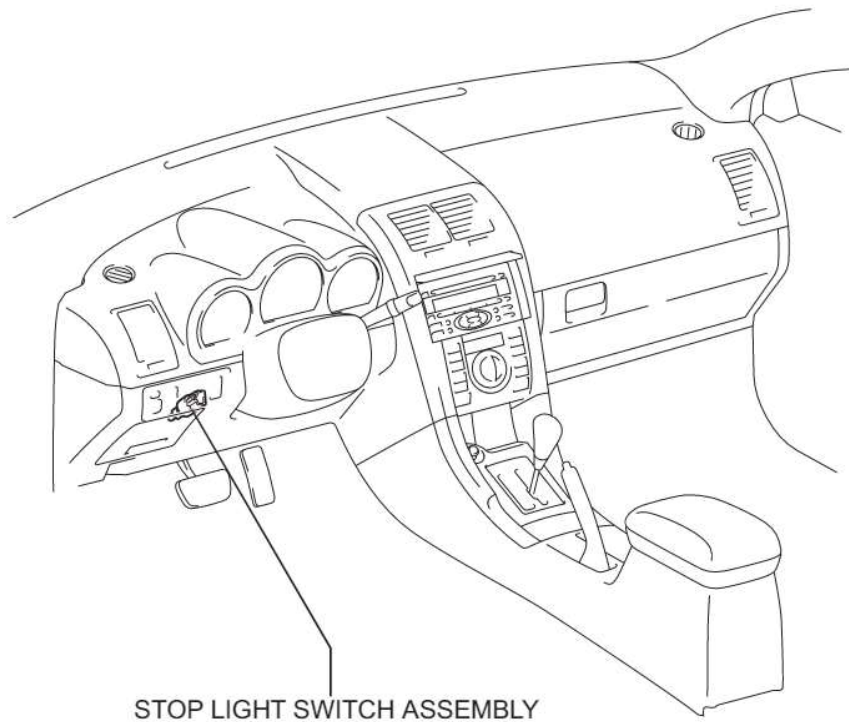
NOTICE:

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

LI

STOP LIGHT SWITCH

COMPONENTS



LI

REMOVAL

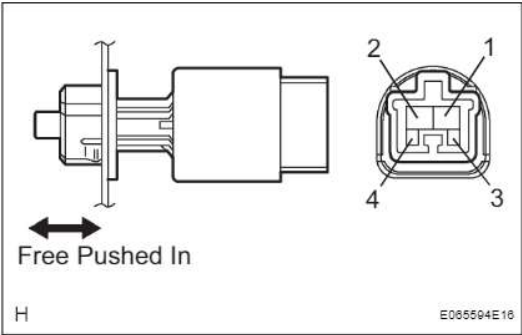
1. DISCONNECT CABLE FROM NEGATIVE BATTERY
TERMINAL
CAUTION:
Wait at least 90 seconds after disconnecting the
cable from the negative (-) battery terminal to
prevent airbag and seat belt pretensioner activation.
2. REMOVE STOP LIGHT SWITCH ASSEMBLY (See
page BR-6)

INSPECTION

1. INSPECT STOP LIGHT SWITCH ASSEMBLY
(a) Measure the resistance according to the value(s) in
the table below.

Standard resistance

Tester Connection	Condition	Specified Condition
1 - 2	Switch pin free	Below 1 Ω
3 - 4	Switch pin free	10 kΩ or higher
1 - 2	Switch pin pushed in	10 kΩ or higher
3 - 4	Switch pin pushed in	Below 1 Ω



INSTALLATION

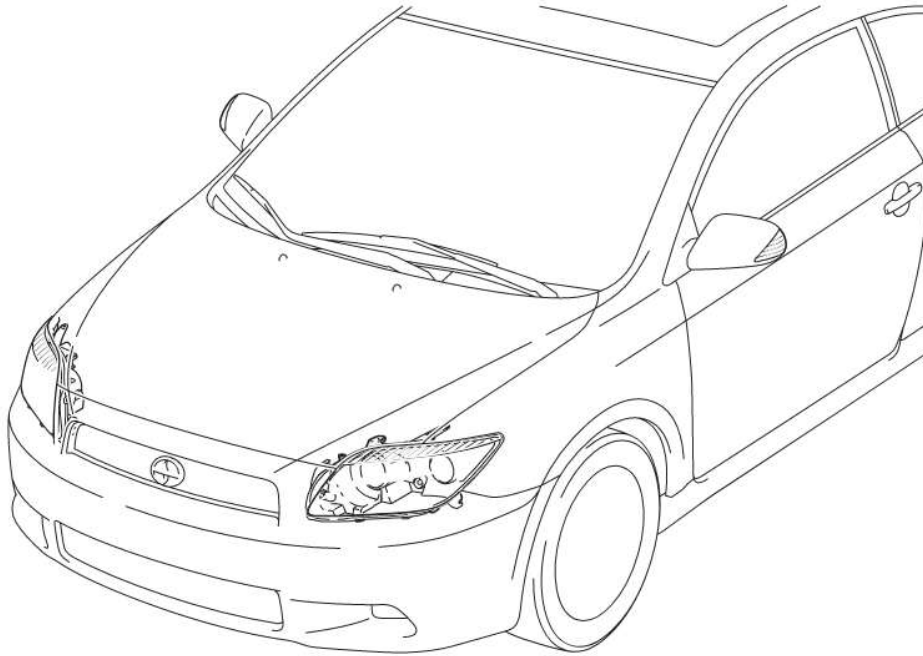
1. **INSTALL STOP LIGHT SWITCH ASSEMBLY** (See page [BR-9](#))
2. **CONNECT CABLE TO NEGATIVE BATTERY TERMINAL**
3. **PERFORM INITIALIZATION**
 - (a) Perform initialization (see page [IN-23](#)).

NOTICE:

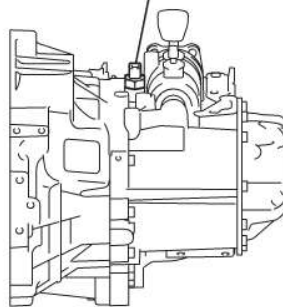
Certain systems need to be initialized after disconnecting and reconnecting the cable from the negative (-) battery terminal.

LI

BACK-UP LIGHT SWITCH COMPONENTS



BACK-UP LIGHT SWITCH ASSEMBLY



REMOVAL

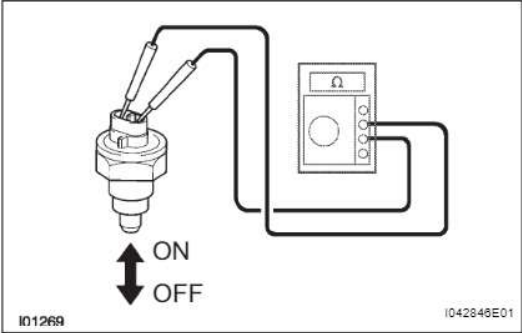
1. DISCONNECT CABLE FROM NEGATIVE BATTERY
TERMINAL
CAUTION:
Wait at least 90 seconds after disconnecting the
cable from the negative (-) battery terminal to
prevent airbag and seat belt pretensioner activation.
2. REMOVE BACK-UP LIGHT SWITCH ASSEMBLY (See
page [MX-34](#))

INSPECTION

1. INSPECT BACK-UP LIGHT SWITCH ASSEMBLY
(a) Measure the resistance according to the value(s) in
the table below.

Standard resistance

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



INSTALLATION

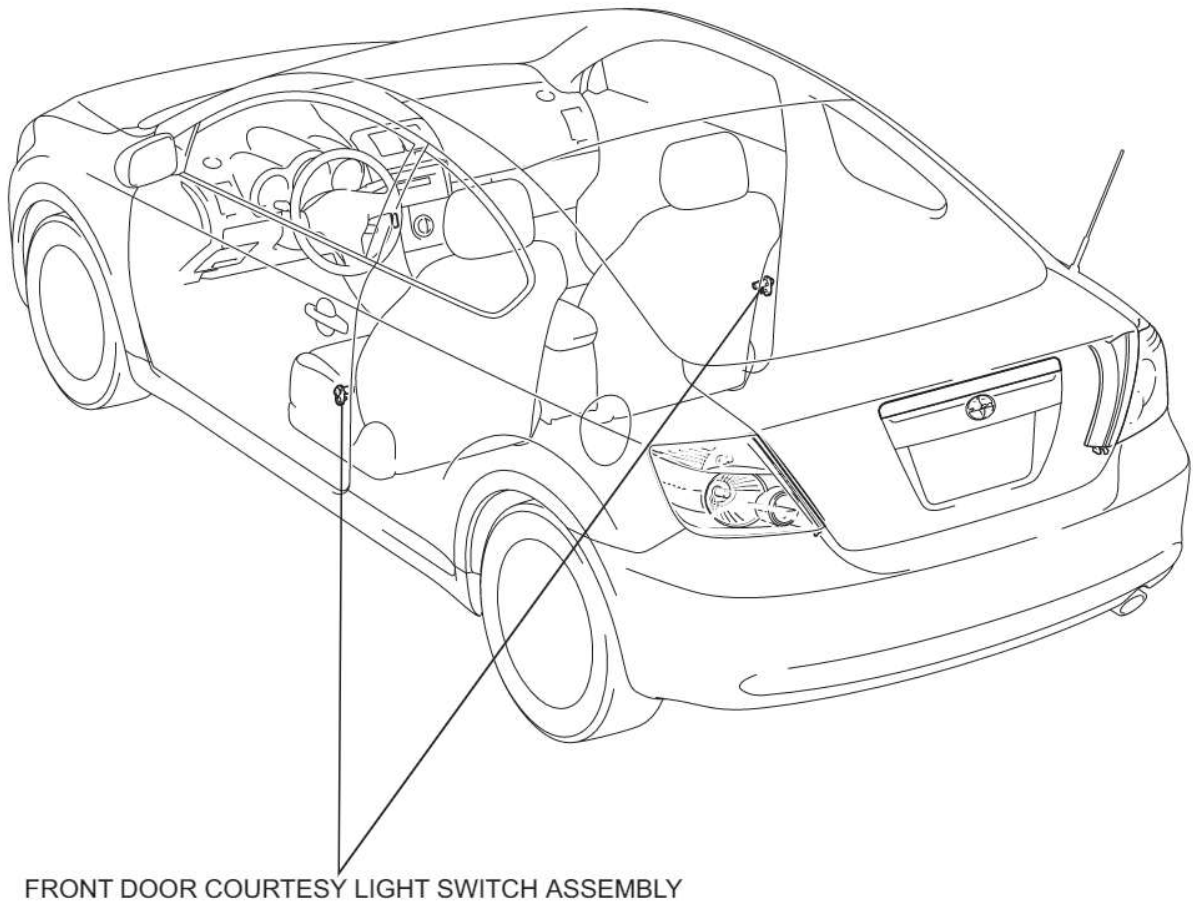
1. INSTALL BACK-UP LIGHT SWITCH ASSEMBLY (See page [MX-65](#))
2. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL
3. PERFORM INITIALIZATION
 - (a) Perform initialization (see page [IN-23](#)).

NOTICE:

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

LI

FRONT DOOR COURTESY SWITCH COMPONENTS



FRONT DOOR COURTESY LIGHT SWITCH ASSEMBLY

LI-50**LIGHTING – 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 according to the value(s) in the table below.

Standard resistance

Tester Connection	Condition	Specified Condition
1 - Switch body	ON (When shaft is pressed)	10 kΩ or higher
1 - Switch body	OFF (When shaft is not pressed)	Below 1 Ω



LI-52

LIGHTING – FRONT DOOR COURTESY SWITCH

INSTALLATION

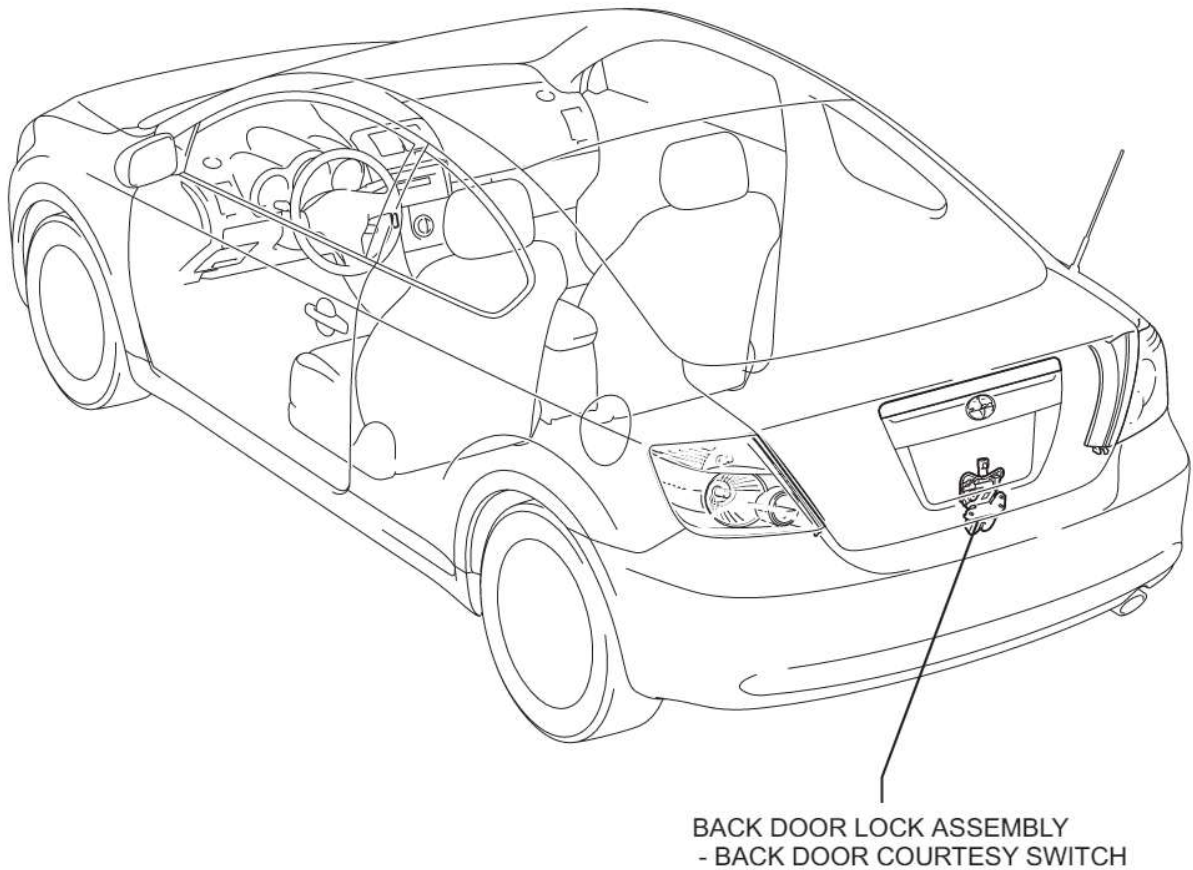
- 1. INSTALL FRONT DOOR COURTESY LIGHT SWITCH ASSEMBLY**
 - (a) Connect the connector.
 - (b) Install the switch with the bolt.
- 2. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL**
- 3. PERFORM INITIALIZATION**
 - (a) Perform initialization (see page [IN-23](#)).

NOTICE:

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

LI

BACK DOOR COURTESY SWITCH COMPONENTS



REMOVAL

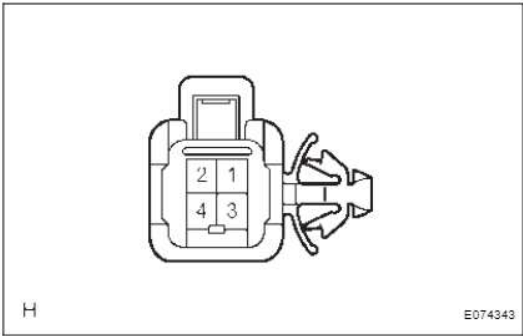
1. DISCONNECT CABLE FROM NEGATIVE BATTERY
TERMINAL
CAUTION:
Wait at least 90 seconds after disconnecting the
cable from the negative (-) battery terminal to
prevent airbag and seat belt pretensioner activation.
2. REMOVE BACK DOOR GARNISH CENTER (See page
ED-24)
3. REMOVE BACK DOOR SIDE GARNISH LH (See page
ED-24)
4. REMOVE BACK DOOR SIDE GARNISH RH (See page
ED-24)
5. REMOVE BACK DOOR TRIM BOARD ASSEMBLY
(See page ED-25)
6. REMOVE BACK DOOR LOCK ASSEMBLY (See page
ED-26)

INSPECTION

1. INSPECT BACK DOOR LOCK ASSEMBLY
- (a) Inspect the back door courtesy light switch.
- (1) Measure the resistance according to the
value(s) in the table below.

Standard

Tester Connection	Condition	Specified Condition
1 - 2	Back door is closed	10 kΩ or higher
1 - 2	Back door is opened	Below 1 Ω



INSTALLATION

1. INSTALL BACK DOOR LOCK ASSEMBLY (See page [ED-27](#))
2. INSTALL BACK DOOR TRIM BOARD ASSEMBLY (See page [ED-28](#))
3. INSTALL BACK DOOR SIDE GARNISH RH (See page [ED-28](#))
4. INSTALL BACK DOOR SIDE GARNISH LH (See page [ED-28](#))
5. INSTALL BACK DOOR GARNISH CENTER (See page [ED-28](#))
6. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL
7. PERFORM INITIALIZATION
 - (a) Perform initialization (see page [IN-23](#)).

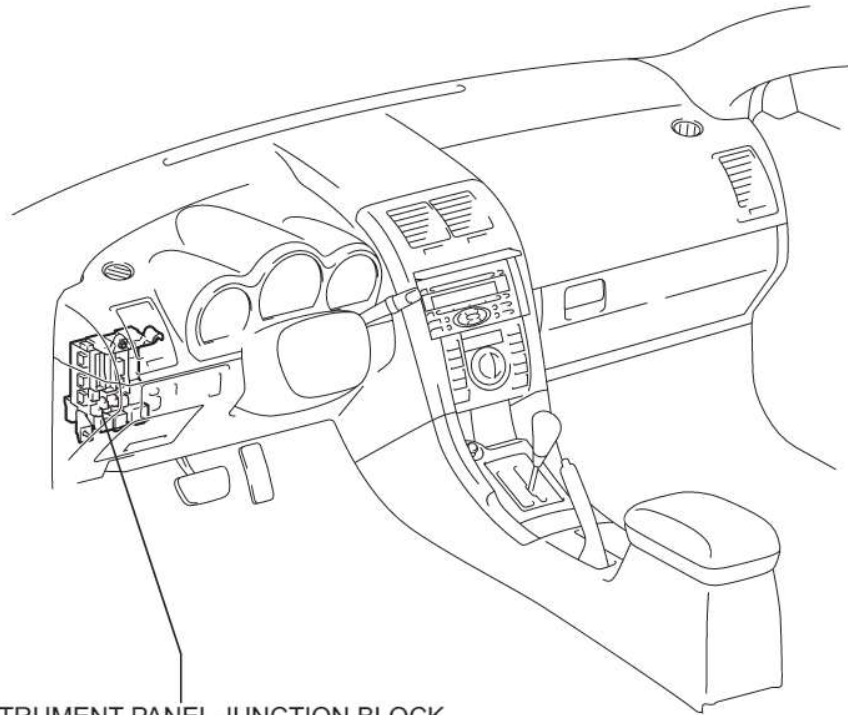
NOTICE:

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

LI

TURN SIGNAL FLASHER ASSEMBLY

COMPONENTS

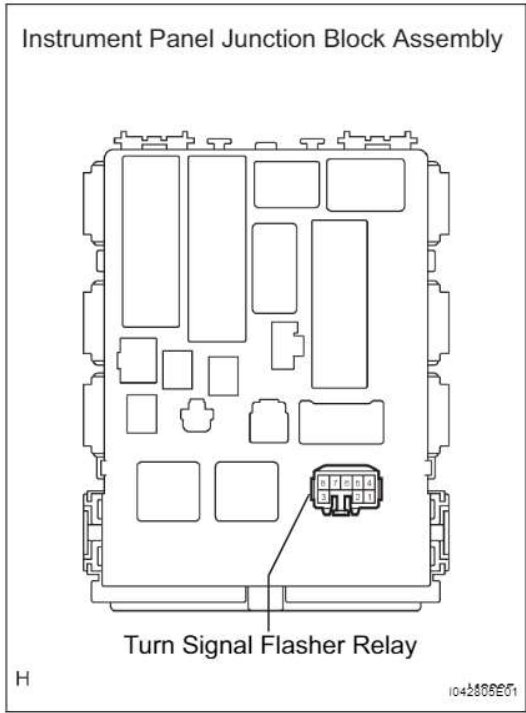


INSTRUMENT PANEL JUNCTION BLOCK
- TURN SIGNAL FLASHER RELAY

LI

LI-54

LIGHTING – TURN SIGNAL FLASHER ASSEMBLY



ON-VEHICLE INSPECTION

1. INSPECT TURN SIGNAL FLASHER OPERATION

- (a) Inspect the power source circuit and ground circuit
- (1) Remove the turn signal flasher relay from the instrument panel junction block assembly.
 - (2) Measure the voltage according to the value(s) in the table below.

Standard voltage

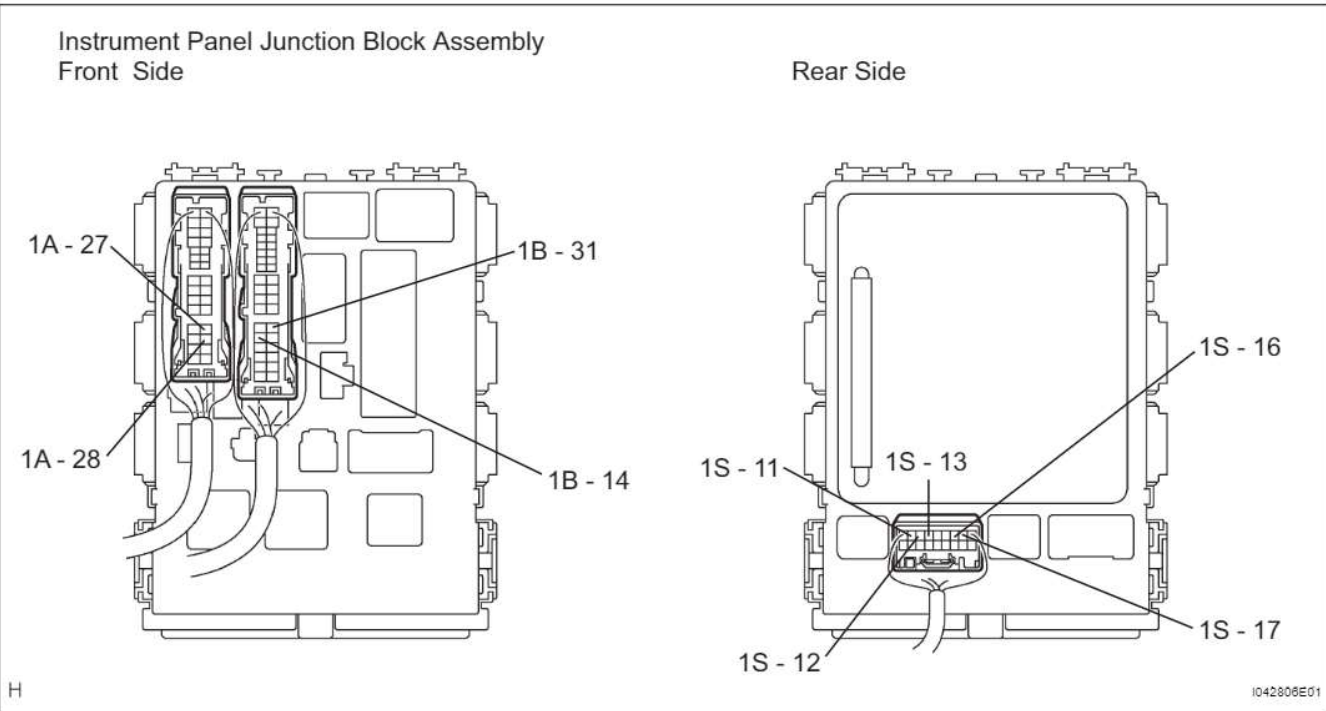
Tester Connection	Condition	Specified Condition
1 - Body ground	Ignition switch OFF	Below 1 V
1 - Body ground	Ignition switch ON	10 to 14 V
4 - Body ground	Always	10 to 14 V

- (3) Measure the resistance according to the value(s) in the table below.

Standard resistance

Tester Connection	Condition	Specified Condition
7 - Body ground	Always	Below 1 Ω

- (b) Inspect the output operation signal.
- (1) Install the turn signal flasher relay to the instrument panel junction block assembly.
 - (2) Measure the voltage according to the value(s) in the table below.



Standard voltage

Tester Connection	Condition	Specified Condition
1A-27 - Body ground	Hazard warning switch OFF	0 V
1A-27 - Body ground	Hazard warning switch ON	Alternating between 0 to 9 V (60 to 120 times per minute)
1A-27 - Body ground	Turn signal switch (left turn) OFF	0 V
1A-27 - Body ground	Turn signal switch (left turn) ON	Alternating between 0 to 9 V (60 to 120 times per minute)

LIGHTING – TURN SIGNAL FLASHER ASSEMBLY

LI-55

Tester Connection	Condition	Specified Condition
1A-28 - Body ground	Hazard warning switch OFF	0 V
1A-28 - Body ground	Hazard warning switch ON	Alternating between 0 to 9 V (60 to 120 times per minute)
1A-28 - Body ground	Turn signal switch (right turn) OFF	0 V
1A-28 - Body ground	Turn signal switch (right turn) ON	Alternating between 0 to 9 V (60 to 120 times per minute)
1B-14 - Body ground	Hazard warning signal OFF	0 V
1B-14 - Body ground	Hazard warning signal ON	0 above 9 V (60 to 120 times per minute)
1B-14 - Body ground	Turn signal switch (left turn) OFF	0 V
1B-14 - Body ground	Turn signal switch (left turn) ON	Alternating between 0 to 9 V (60 to 120 times per minute)
1B-31 - Body ground	Hazard warning signal OFF	0 V
1B-31 - Body ground	Hazard warning signal ON	Alternating between 0 to 9 V (60 to 120 times per minute)
1B-31 - Body ground	Turn signal switch (right turn) OFF	0 V
1B-31 - Body ground	Turn signal switch (right turn) ON	0 above 9 V (60 to 120 times per minute)
1S-11 - Body ground	Turn signal switch (left turn) OFF	Above 9 V
1S-11 - Body ground	Turn signal switch (left turn) ON	0 V
1S-12 - Body ground	Turn signal switch (right turn) OFF	Above 9 V
1S-12 - Body ground	Turn signal switch (right turn) ON	0 V
1S-13 - Body ground	Hazard warning signal OFF	0 V
1S-13 - Body ground	Hazard warning signal ON	Alternating between 0 to 9 V (60 to 120 times per minute)
1S-13 - Body ground	Turn signal switch (left turn) OFF	0 V
1A-13 - Body ground	Turn signal switch (left turn) ON	Alternating between 0 to 9 V (60 to 120 times per minute)
1S-16 - Body ground	Hazard warning switch OFF	0 V
1S-16 - Body ground	Hazard warning switch ON	Alternating between 0 to 9 V (60 to 120 times per minute)
1S-16 - Body ground	Turn signal switch (right turn) OFF	0 V
1S-16 - Body ground	Turn signal switch (right turn) ON	Alternating between 0 to 9 V (60 to 120 times per minute)
1S-17 - Body ground	Hazard switch OFF	Above 9 V
1S-17 - Body ground	Hazard switch ON	0 V

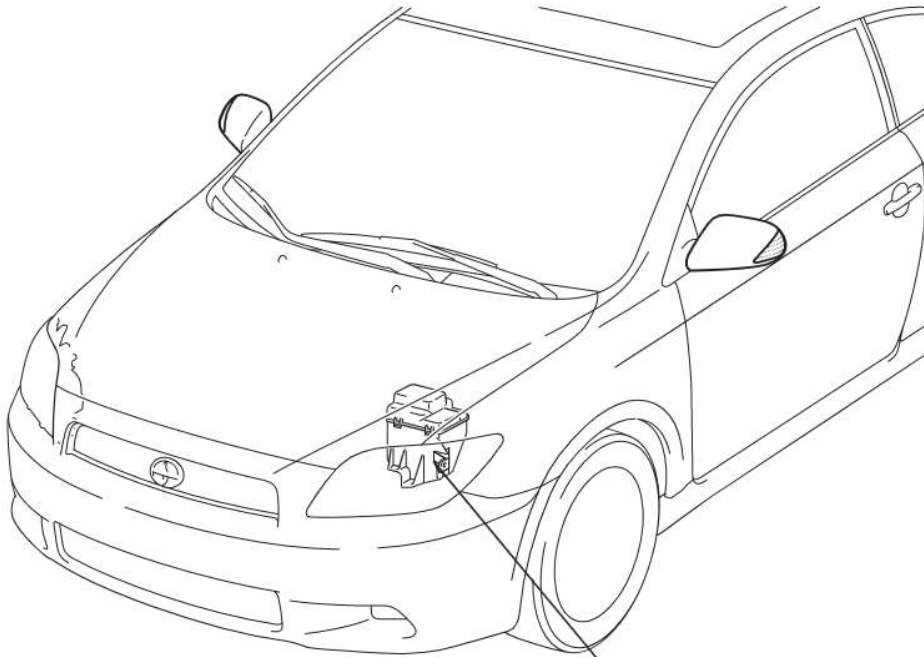
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LI-56

LIGHTING – HEADLIGHT RELAY

HEADLIGHT RELAY COMPONENTS

LI



ENGINE ROOM RELAY BLOCK, JUNCTION BLOCK
- HEADLIGHT RELAY (Marking: H-LP)

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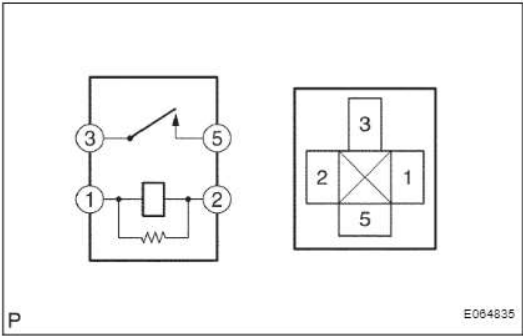
REMOVAL

- 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 HEADLIGHT RELAY (Marking: H-LP)

INSPECTION

- 1. INSPECT HEADLIGHT RELAY
 - (a) Measure the resistance according to the value(s) in the table below.
- Standard resistance

Tester Connection	Specified Condition
3 - 5	10 kΩ or higher
3 - 5	Below 1 Ω (When battery voltage is applied to terminals 1 - 2)



LI-58

LIGHTING – HEADLIGHT RELAY

INSTALLATION

1. **INSTALL HEADLIGHT RELAY**
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.

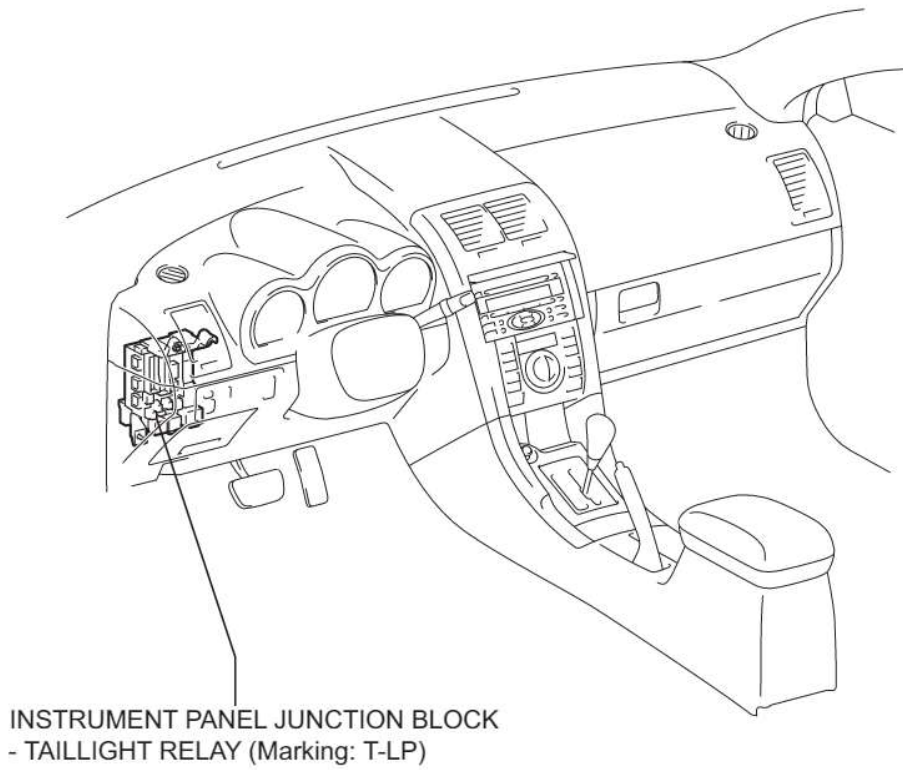


LI-58

LIGHTING – TAILLIGHT RELAY

TAILLIGHT RELAY COMPONENTS

LI



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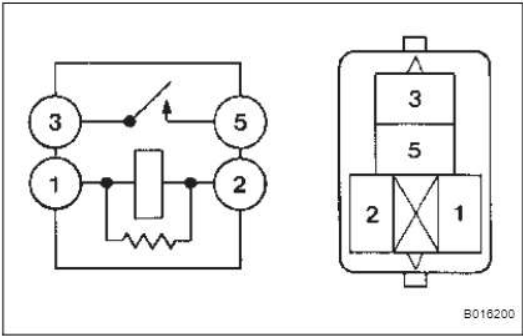
B118452E01

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 TAILLIGHT (Marking: T-LP)

INSPECTION

- 1. INSPECT TAILLIGHT RELAY
(a) Measure the resistance according to the value(s) in the table below.
Standard resistance



Tester Connection	Specified Condition
3 - 5	10 kΩ or higher
3 - 5	Below 1 Ω(when battery voltage is applied to terminals 1 - 2)

LI-60

LIGHTING – TAILLIGHT RELAY

INSTALLATION

1. **INSTALL TAILLIGHT RELAY**
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