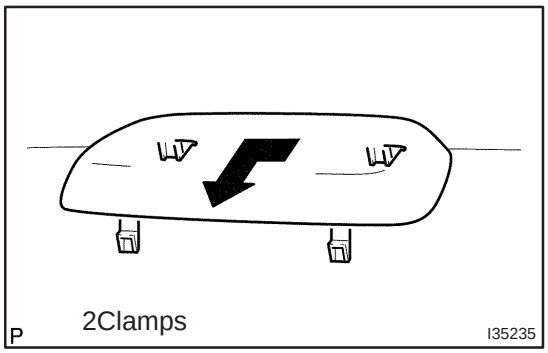
CENTER STOP LAMP ASSY

650T1–01

REPLACEMENT

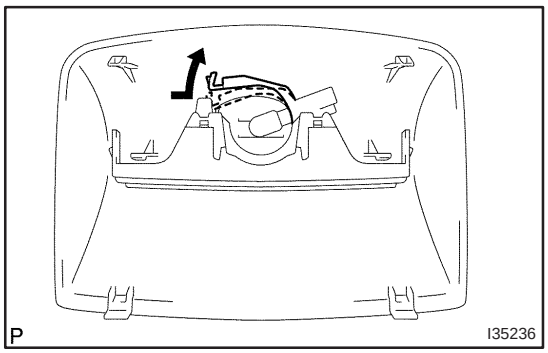
1. REMOVE REAR SPOILER (WAGON MODELS) (See page 76–30)
2. REMOVE BACK DOOR TRIM BOARD ASSY (LIFTBACK MODELS) (See page 75–40)



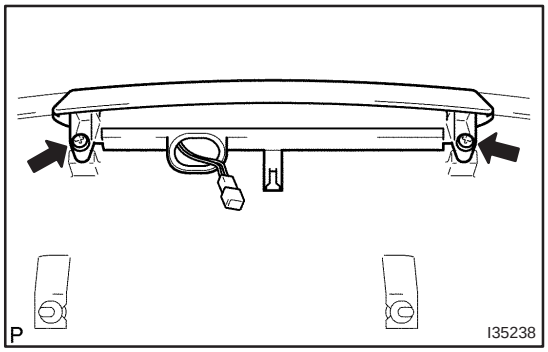
3. REMOVE CENTER STOP LAMP ASSY (SEDAN MODELS)

(a) Remove the center stop lamp assy as shown in the illustration.

(b) Disconnect the connector.

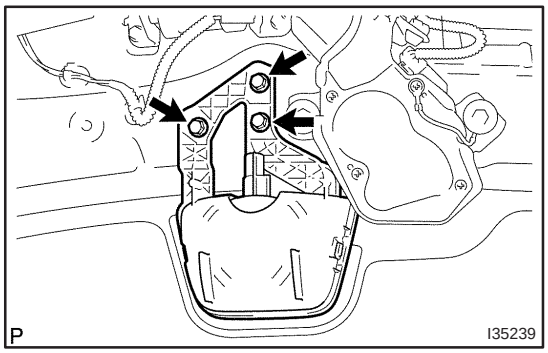


(c) Remove the center stop lamp bulb as shown in the illustration.



4. REMOVE CENTER STOP LAMP ASSY (WAGON MODELS)

(a) Remove the 2 screws and center stop lamp assy.



5. REMOVE CENTER STOP LAMP ASSY (LIFTBACK MODELS)

(a) Disconnect the connector.

(b) Remove the 3 screws and center stop lamp assy.

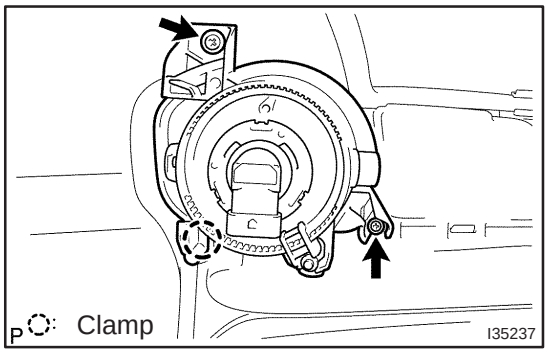
(c) Remove the center stop lamp socket and the bulb.

FOG LAMP ASSY LH

650SX–01

REPLACEMENT

1. REMOVE FRONT BUMPER COVER (See page 76–3)

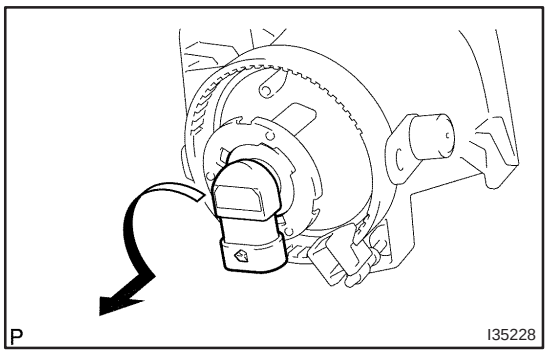


2. REMOVE FOG LAMP ASSY LH

(a) Disconnect the connector.

(b) Remove the 2 screws.

(c) Release the claw fitting, then remove the fog lamp assy LH.



(d) Remove the fog lamp bulb as shown in the illustration.

3. ADJUST FOG LIGHT AIM (See page 65–23)

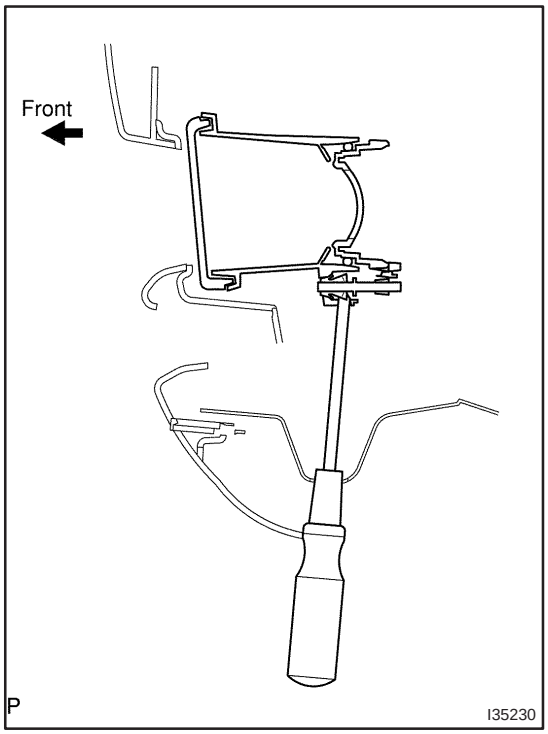
4. CHECK FOG LIGHT AIM

ADJUSTMENT

1. PUT VEHICLE THESE CONDITIONS

(a) Tire inflation pressure is within the specified value. (See page 28–1)

(b) Start the engine.



2. ADJUST FOG LIGHT AIM

(a) The fog light aim can be adjusted by turning the aiming screw in the vertical direction.

HINT:

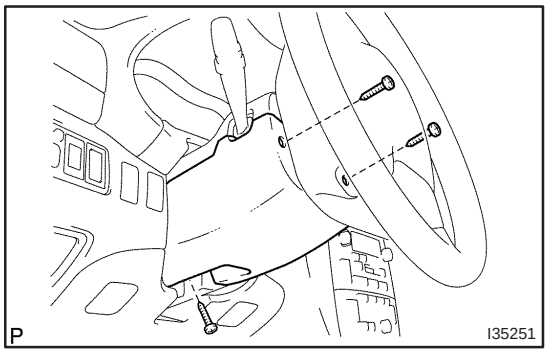
The optical aim moves upward when turning the screwdriver clockwise and moves downward when turning the screwdriver center clockwise.

3. CHECK FOG LIGHT AIM

HEADLAMP DIMMER SWITCH ASSY

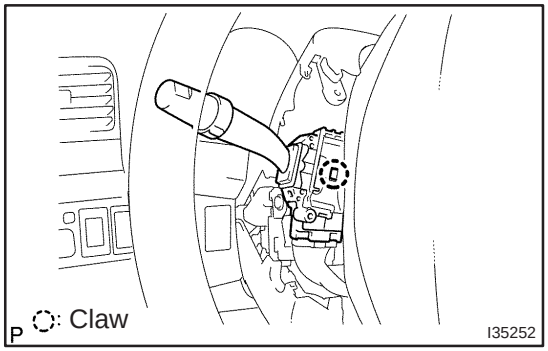
650T2–01

REPLACEMENT



1. SEPARATE STEERING COLUMN COVER LWR

(a) Remove the 3 screws and steering column cover LWR.



2. REMOVE HEADLAMP DIMMER SWITCH ASSY

(a) Disconnect the connector.

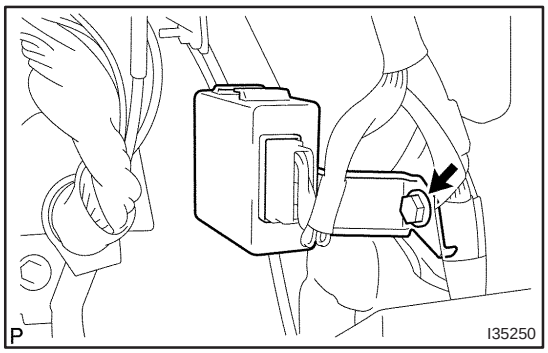
(b) Release the claw and pull out the headlamp dimmer switch assy.

HEADLAMP LEVELING ECU ASSY

650T5–01

REPLACEMENT

1. **REMOVE GLOVE COMPARTMENT DOOR ASSY (LHD STEERING POSITION TYPE) (See page 71–11)**
2. **REMOVE FUSE BOX OPENING COVER (RHD STEERING POSITION TYPE) (See page 71–11)**



3. **REMOVE LIGHT CONTROL ECU**

(a) Disconnect the connector.

(b) Remove the bolt and headlamp leveling ECU assy.

4. **INSTALL LIGHT CONTROL ECU**

(a) Install the headlamp leveling ECU assy with the bolt.

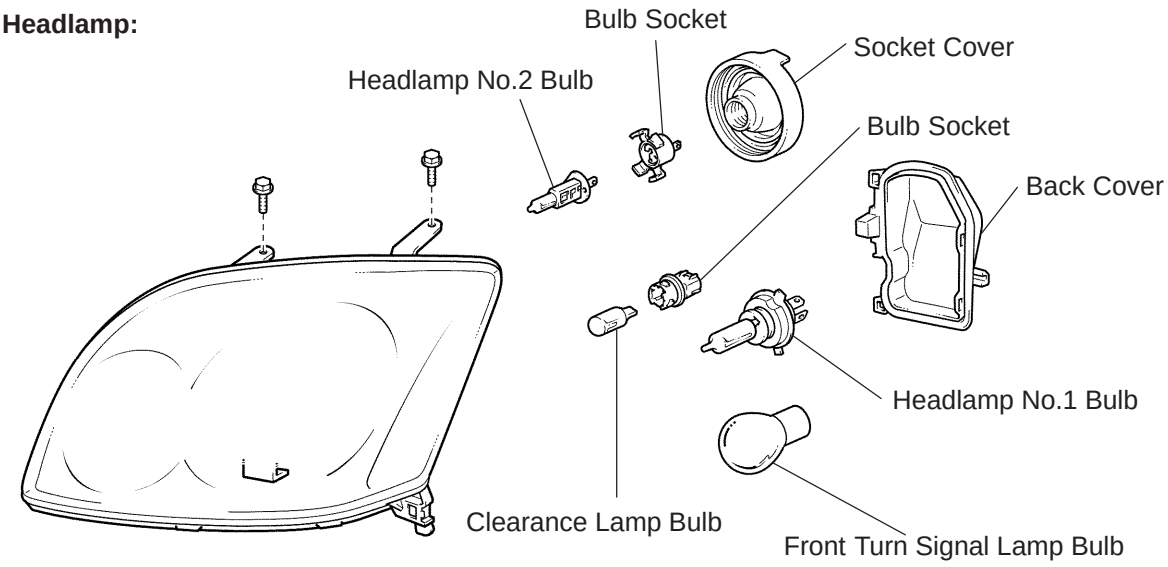
(b) Connect the connector.

HEADLAMP UNIT LH

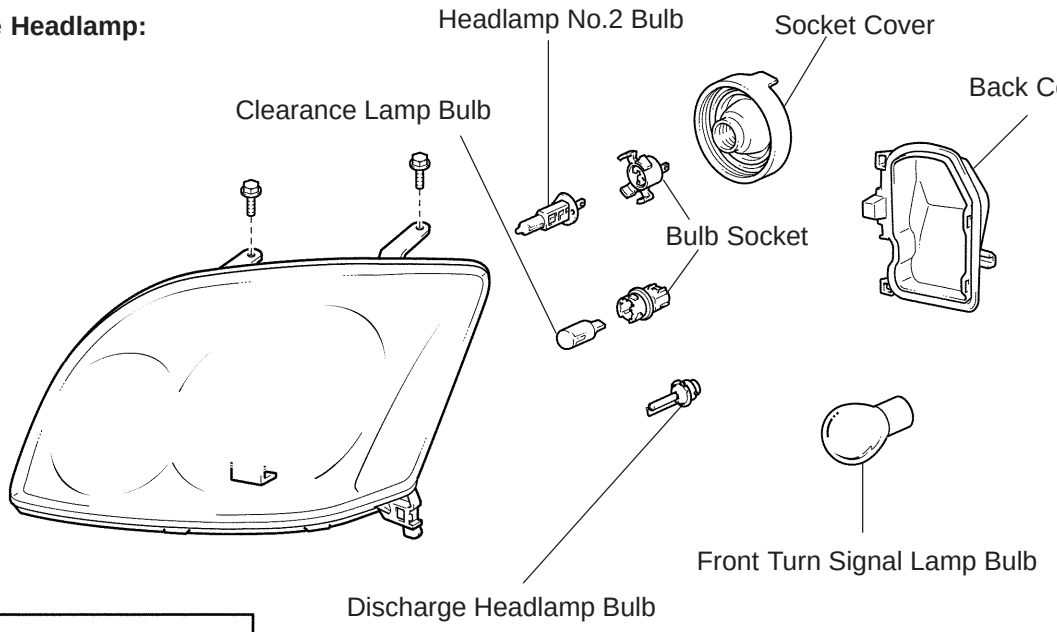
COMPONENTS

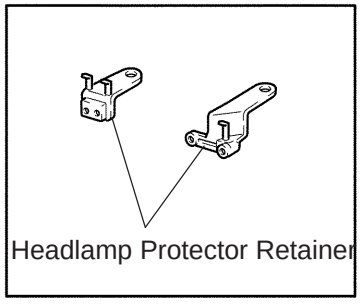
650ST–01

Halogen Headlamp:



Discharge Headlamp:





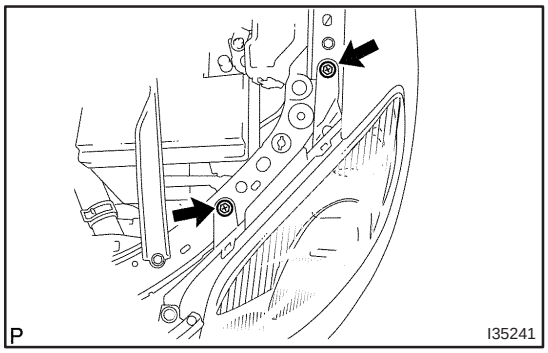
P

I35226

650SU–01

REPLACEMENT

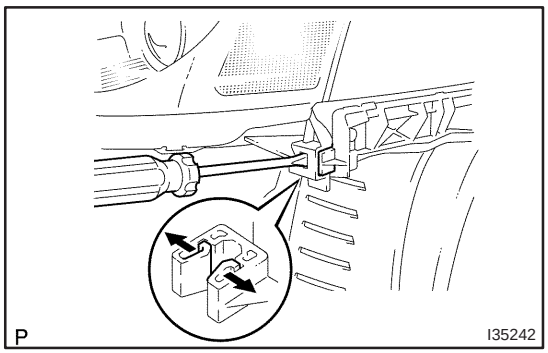
1. REMOVE FRONT SPOILER COVER LH (See page 76–3)
2. REMOVE FRONT SPOILER COVER RH (See page 76–3)
3. REMOVE FRONT BUMPER COVER (See page 76–3)



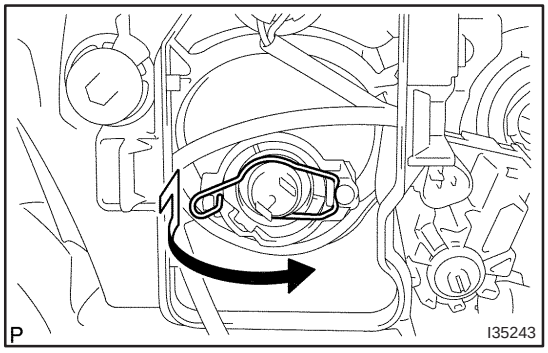
4. REMOVE HEAD LIGHT ASSY

(a) Disconnect the connector.

(b) Remove the 2 screws.

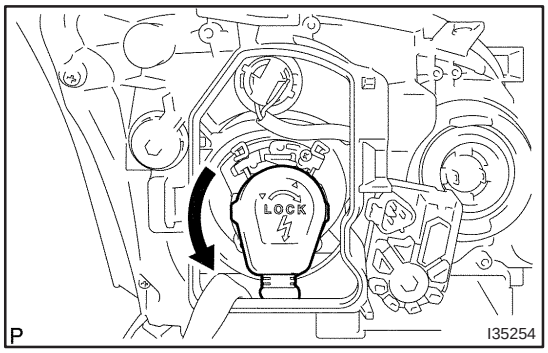


(c) Remove the headlamp assy and disengage the claw as shown in the illustration.



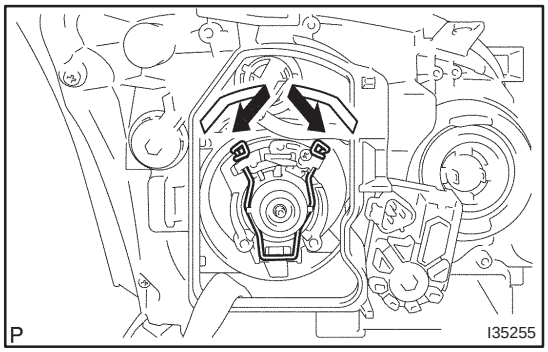
5. REMOVE HEADLAMP, NO.1 BULB (HALOGEN HEAD LAMP)

(a) Release the lock of the set spring and remove the headlamp bulb No.1.

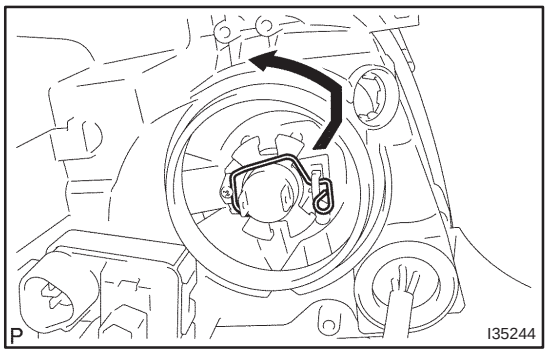


6. REMOVE DISCHARGE HEADLAMP BULB (DISCHARGE HEAD LAMP)

(a) Rotate the bulb socket cover in the direction of the arrow and pull it of backward of the vehicle.



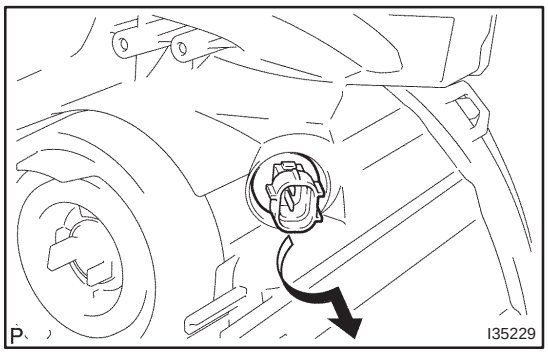
(b) Release the lock of the set spring and remove the discharge headlamp bulb.



7. REMOVE HEADLAMP, NO.2 BULB

(a) Remove the headlamp socket cover.

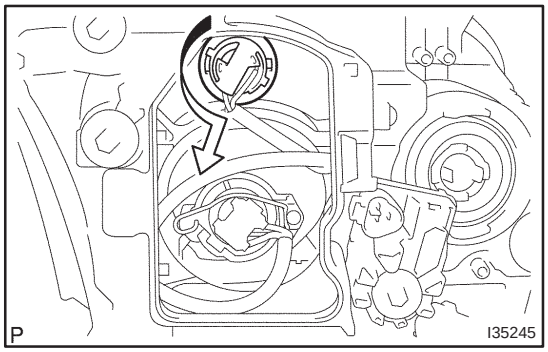
(b) Release the lock of the set spring and remove the headlamp bulb No.2.



8. REMOVE CLEARANCE LAMP BULB

(a) Remove the clearance lamp socket and the clearance lamp bulb as shown in the illustration.

(b) Remove the clearance lamp bulb from the clearance lamp socket.



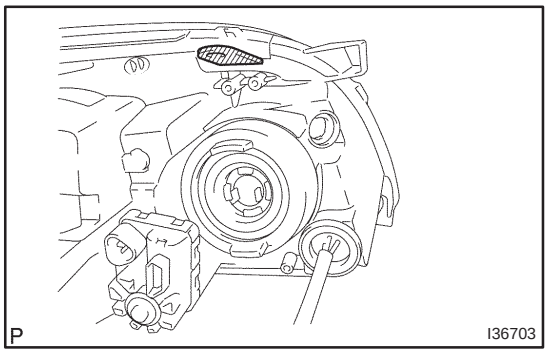
9. REMOVE FRONT TURN SIGNAL LAMP BULB

(a) Remove the front turn signal lamp socket and the front turn signal lamp bulb as shown in the illustration.

10. REMOVE HEADLAMP PROTECTOR RETAINER

HINT:

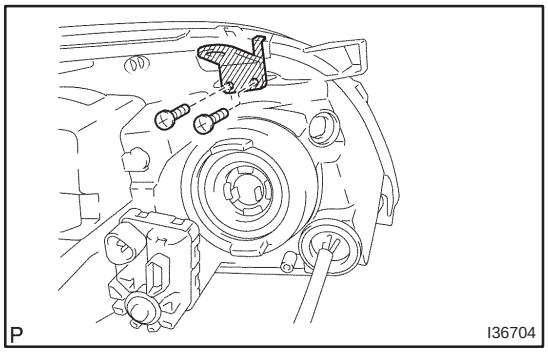
When only the installation part of the headlamp unit assy LH is damaged, it can be repaired inexpensively by using a headlamp protector retainer. In this case, however, the headlamp unit assy LH itself should not be damaged.



(a) Cut off the part shaded in the illustration and file it smooth.

NOTICE:

After cutting off the part roughly, place the headlamp protector retainer against the bosses, and gradually file any interfering part until the proper condition for installation is made.



(b) Install the headlamp protector retainer with the 2 screws.

11. HEADLIGHT AIM ONLY (See page 65–19)

ADJUSTMENT

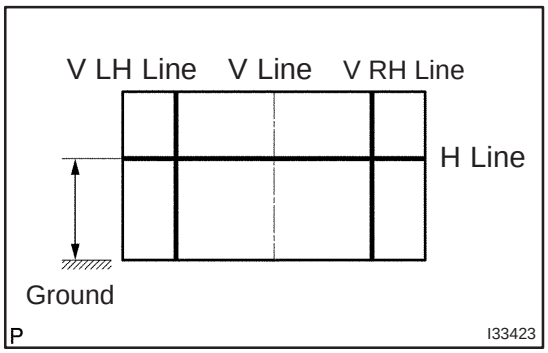
1. HEADLIGHT AIM ONLY

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 connect, the other side should also be connect.
  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.
- Vehicle is parked at a level surface.
- A person having an average weight sits in the driver's seat.
- Vehicle is bounced up and down to stabilize the suspension to the normal position.



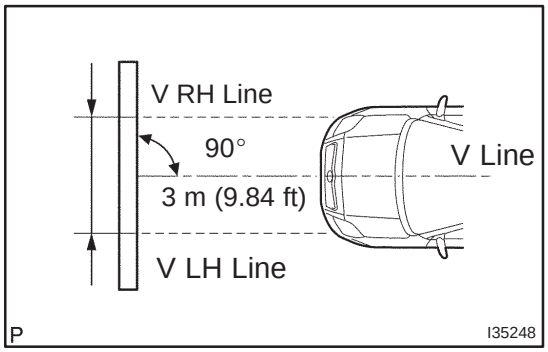
(b) Prepare a thick white paper (Draw base lines).

HINT:

- Stand the paper perpendicular as 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 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:

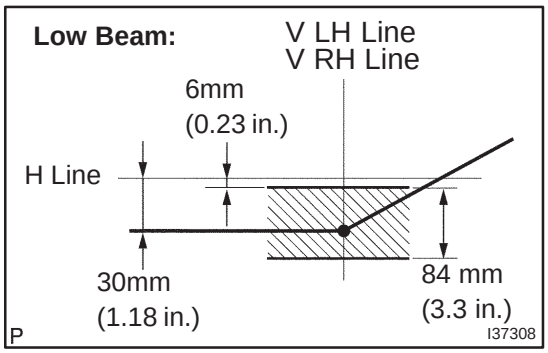
Follow the same procedures when adjusting the High–beam lights.



(c) Check the headlight aiming.

(1) Align the paper with the center of the vehicle.

- Make a distance of 3 m (9.84 ft) between the headlights and the paper, and put the paper against a 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.

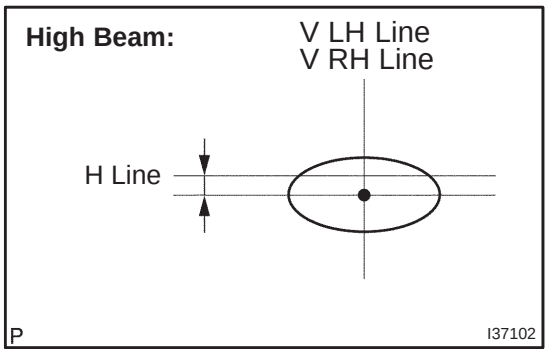
(3) Turn on the headlights and check that the aim is with in the specified valves shown in the illustration.

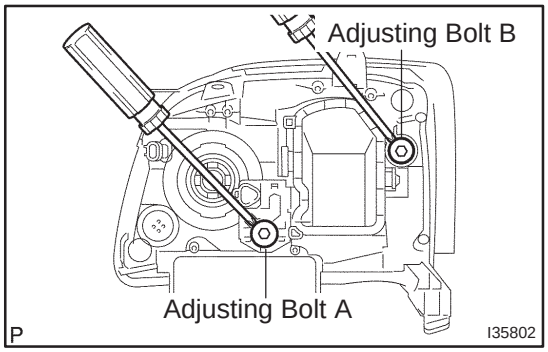
NOTICE:

- **When covering the headlights, finish it within 3 minuites.**
- **The headlight lens is made of synthetic resin, so it is easily.**

HINT:

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





(d) Adjust the aim in the vertical direction:

Using a screwdriver, adjust the headlight aim within the specified range by turning the aiming 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.

(e) Adjust the aim in the horizontal direction:

Using a screwdriver, adjust the headlight aim within the specified range by turning the aiming screw B.

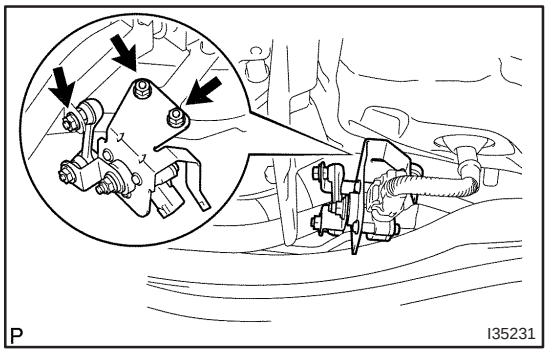
NOTICE:

- **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.**

HEIGHT CONTROL SENSOR SUB–ASSY FR RH

650T3–01

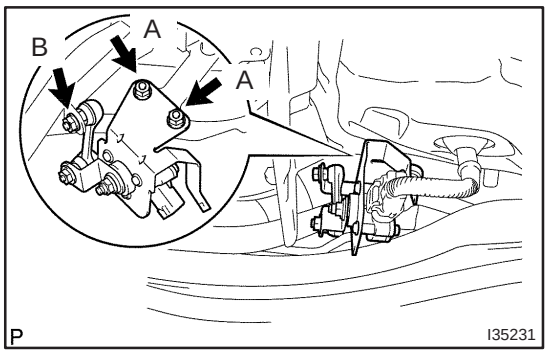
REPLACEMENT



1. REMOVE HEIGHT CONTROL SENSOR SUB–ASSY FR RH

(a) Disconnect the connector.

(b) Remove the 3 nuts and height control sensor sub–assy front RH.



2. INSTALL HEIGHT CONTROL SENSOR SUB–ASSY FR RH

(a) Install the height control sensor sub–assy front RH with the 3 nuts.

Torque:
A: 7.9 N·m (81 kgf·cm, 70 in.·lbf)
B: 5.8 N·m (59 kgf·cm, 51 in.·lbf)

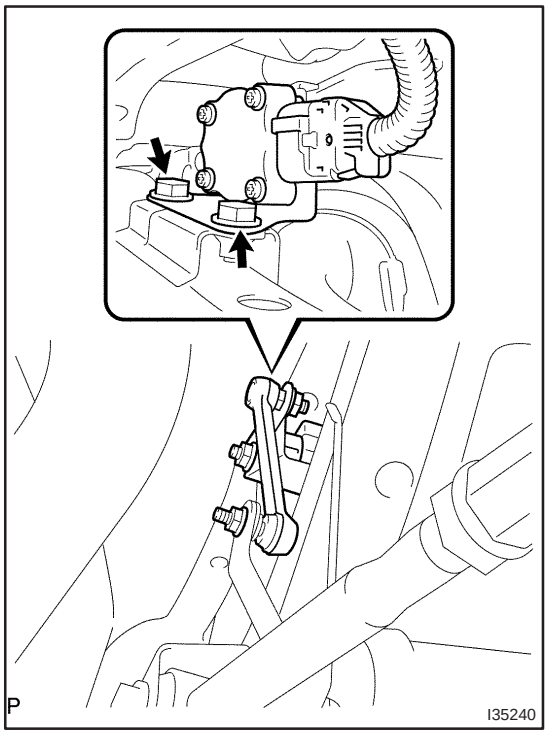
(b) Connect the connector.

3. HEADLIGHT AIM ONLY (See page 65–19)

HEIGHT CONTROL SENSOR SUB–ASSY REAR RH

650T4–01

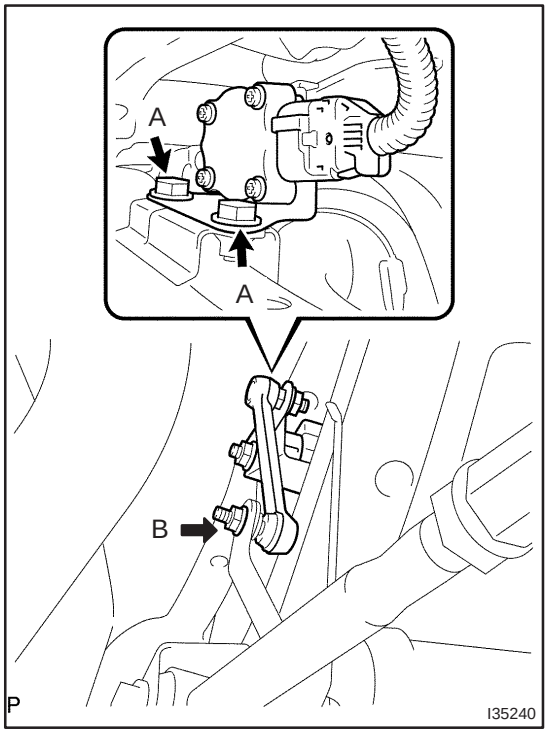
REPLACEMENT



1. REMOVE HEIGHT CONTROL SENSOR SUB–ASSY REAR RH

(a) Disconnect the connector.

(b) Remove the 2 bolts, the nut and height control sensor sub–assy rear RH.



2. INSTALL HEIGHT CONTROL SENSOR SUB–ASSY REAR RH

(a) Install the height control sensor sub–assy rear RH with the 2 bolts and the nut.

Torque:
Bolt (A): 7.9 N·m (81 kgf·cm, 70 in.·lbf)
Nut (B): 5.8 N·m (59 kgf·cm, 51 in.·lbf)

(b) Connect the connector.

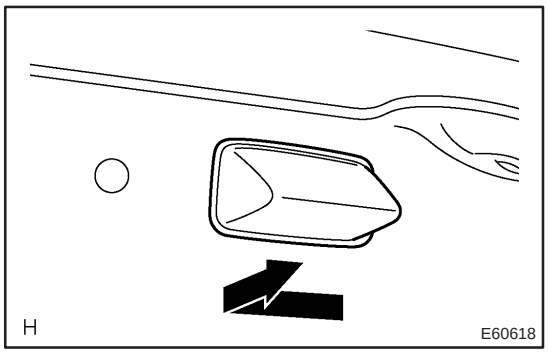
3. HEADLIGHT AIM ONLY (See page 65–19)

LICENSE PLATE LAMP ASSY

650T0–02

REPLACEMENT

1. REMOVE BACK DOOR TRIM BOARD ASSY (See page LIFTBACK 75–40, WAGON 75–45)
2. REMOVE LUGGAGE COMPARTMENT DOOR GARNISH SUB–ASSY OUTSIDE (SEDAN MODELS) (See page 76–27)
3. REMOVE BACK DOOR GARNISH SUB–ASSY OUTSIDE (LIFTBACK MODELS) (See page 76–28)
4. REMOVE BACK DOOR GARNISH SUB–ASSY OUTSIDE (WAGON MODELS) (See page 76–29)



5. REMOVE LICENSE PLATE LAMP ASSY

(a) Pull the license plate lamp assy to the side of vehicle as shown in the illustration and release the claw.

(b) Disconnect the connector and remove the license plate lamp assy.

(c) Remove the license plate lamp bulb.

LIGHTING SYSTEM

650NC–02

PRECAUTION

1. PRECAUTION OF HEADLIGHT BULB REPLACEMENT

(a) When any defects such as deformation, crack, dent, chipping, etc. are identified on the discharge headlight (especially, on the light control ECU), replace it with a new one.

(b) Even if the operation seems to be normal, the fail–safe function may be defective.

(c) Be careful not to scratch on drop bulbs of the discharge headlamp and halogen bulbs (for headlamp and fog lamp), as they have pressurized gas inside and can be easily broken.

(d) Touching the HV socket of the discharge headlight with the headlight dimmer switch ON could generate momentary high voltage of 20,000 V and lead to a serious injury.

(e) Never connect a tester to the high voltage socket of the discharge headlight for measurement, as this leads to a serious injury because of high voltage.

(f) When performing operation related to the discharge headlight, keep it away from water including rain, turn off the light control switch, and disconnect the battery terminal and the connector of the light control ECU in advance to avoid electric shock.

(g) When performing operation related to the discharge headlight, start it after assembling is completed and never turn the lights on without a bulb installed.

(h) Do not turn the discharge headlight on using another power source except vehicle's.

650SQ–01

PROBLEM SYMPTOMS TABLE

1. HEADLIGHT SYSTEM

Symptom	Suspect Area	See page
Only one headlamp comes on.	1. Bulb 2. H–LP LL, H–LP RL fuse 3. Light control computer (w/ HID) 4. Harness or connector	– – – –
Headlamp does not come on (All).	1. H–LP LL, H–LP RL fuse 2. H–HP relay 3. Headlamp dimmer switch assy 4. Harness or connector 5. Integration relay (w/ Daytime running light system)	– – 65–9 – –
”HI–Beam” does not come on (All).	1. Bulb 2. H–LP HI LH, H–LP HI RH fuse 3. DIM relay (w/ Daytime running light system) 4. Headlamp dimmer switch assy 5. Harness or connector 6. Integration relay (w/ Daytime running light system)	– – – 65–9 – –
”HI–Beam” does not come on (One side).	1. Bulb 2. Harness or connector	– –
”Flash” does not come on. (Headlamp and Hi–Beam is normal)	1. Headlamp dimmer switch assy 2. Harness or connector 3. Integration relay (w/ Daytime running light system)	65–9 – –
Headlamp is dark.	1. Bulb 2. Harness or connector	– –
Tail lamp does not come on (All).	1. TAIL fuse 2. TAIL relay 3. Headlamp dimmer switch assy 4. Harness or connector 5. Integration relay (w/ Daytime running light system)	– – 65–9 – –
Only one tail lamp comes on.	1. Bulb 2. Harness or connector	– –
Rear combination light does not come on.	1. Bulb 2. Harness or connector	– –
Daytime running light system does not operate.	1. Headlamp dimmer switch assy 2. Ignition switch 3. Harness or connector 4. Integration relay	65–9 – – –

2. FOG LAMP SYSTEM

Symptom	Suspect Area	See page
Front fog lamp does not come on with light control switch in TAIL or HEAD position.	1. FR FOG fuse 2. FR FOG relay 3. Headlamp dimmer switch assy 4. Harness or connector	– – 65–9 –
Only one front fog lamp does not come on.	1. Bulb 2. Harness or connector	– –
Rear fog lamp does not come on with light control switch in HEAD position.	1. RR FOG fuse 2. RR FOG relay 3. Headlamp dimmer switch assy 4. Harness or connector	– – 65–9 –
Only one rear fog lamp does not come on.	1. Bulb 2. Harness or connector	– –

3. TURN SIGNAL AND HAZARD WARNING SYSTEM

Symptom	Suspect Area	See page
”Hazard” and ”Turn” do not come on.	1. HAZARD fuse 2. GAUGE2 fuse 3. IG1 relay 4. Ignition switch 5. Turn signal flasher relay 6. Harness or connector	– – – – 65–5 –
Hazard warning light does not come on. (Turn is normal)	1. Hazard warning switch 2. Harness or connector	65–9 –
Turn signal does not come on. (Hazard is normal)	1. Headlamp dimmer switch (turn signal switch) 2. Harness or connector	65–9 –
Turn signal does not come on in one direction.	1. Headlamp dimmer switch (turn signal switch) 2. Harness or connector	65–9 –
Only one bulb does not come on.	1. Bulb 2. Harness or connector	– –

4. ILLUMINATED ENTRY SYSTEM

Symptom	Suspect Area	See page
Illumination lamp of Multiplex body ECU control does not come on.	1. Ignition switch 2. Door courtesy switch 3. Door lock position switch 4. Harness or connector 5. Integration relay	– 65–9 05–1534 – –
Illumination lamp of Multiplex body ECU control does not go off.	1. Ignition switch 2. Door courtesy switch 3. Door lock position switch 4. Harness or connector 5. Integration relay	– 65–9 05–1534 – –

5. HEADLIGHT BEAM LEVEL CONTROL SYSTEM (W/O HID)

Symptom	Suspect Area	See page
Headlight beam level control system does not operate (All).	1. TAIL relay 2. Headlamp leveling switch 3. Harness or connector	– 65–9 –
Headlight beam level control system does not operate (One side).	1. Headlamp leveling switch 2. Headlight beam level control actuator 3. Harness or connector	65–9 65–5 –

6. HEADLIGHT BEAM LEVEL CONTROL SYSTEM (W/ HID)

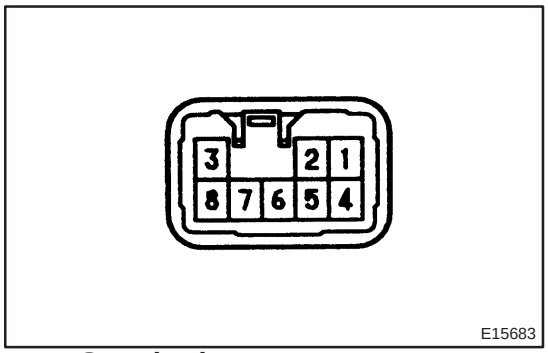
Symptom	Suspect Area	See page
Headlight beam level control system does not operate (All).	1. GAUGE2 fuse 2. Ignition switch 3. Speed sensor signal circuit 4. Height control sensor sub–assy 5. Headlamp leveling ECU assy 6. Harness or connector	– – – 65–9 65–5 –
Headlight beam level control system does not operate (One side).	1. Headlamp leveling ECU assy 2. Headlight beam level control actuator 3. Harness or connector	65–5 65–5 –
Beam level warning light comes on.	1. Height control sensor sub–assy 2. Headlamp leveling ECU assy 3. Harness or connector	65–9 65–5 –

7. OTHERS

Symptom	Suspect Area	See page
Vanity light does not operate.	1. Bulb 2. Harness s or connector	– –
Instrument panel illumination does not operate (All).	1. TAIL relay 2. PANEL fuse 3. Harness or connector 4. Integration relay (w/ DRL)	– – – –
Stop light does not operate (All).	1. STOP fuse 2. Stop light switch 3. Harness or connector	– – –
Back up lamp does not come on (All).	1. GAUGE fuse 2. IG1 relay 3. Back up lamp switch assy (M/T) 4. Park/neutral position switch (A/T) 5. Harness or connector	– – – – –

650ND–02

ON–VEHICLE INSPECTION



1. INSPECT TURN SIGNAL FLASHER CIRCUIT

(a) Measure voltage between the terminal as shown in the chart below.

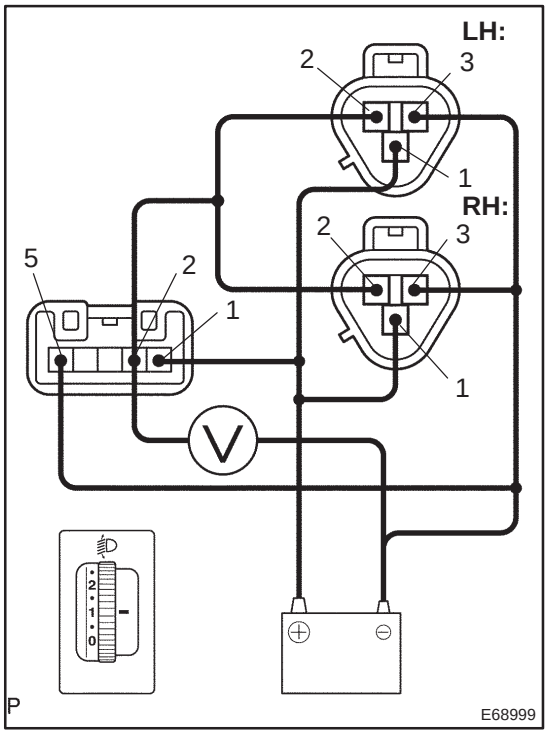
Standard:

Tester connection	Condition	Specified condition
1 – body ground	Turn ignition switch ON	10 to 14 V
1 – body ground	Turn ignition switch OFF	No voltage
4 – body ground	Always	10 to 14 V
7 – body ground	Always	Continuity

(b) Connect the connector to turn the signal flasher and the ignition switch ON, and inspect the wire harness side connector from the back side as shown in the chart.

Standard:

Tester connection	Condition	Specified condition
2 – body ground	Hazard switch OFF → ON	0V → 10 to 14 V (60 to 120 time per minutes)
2 – body ground	Turn signal switch (right turn) OFF → ON	0V → 10 to 14 V (60 to 120 time per minutes)
3 – body ground	Hazard switch OFF → ON	0V → 10 to 14 V (60 to 120 time per minutes)
3 – body ground	Turn signal switch (left turn) OFF → ON	0V → 10 to 14 V (60 to 120 time per minutes)
5 – body ground	Turn signal switch (left turn) OFF → ON	10 to 14 V → 0 V
6 – body ground	Turn signal switch (right turn) OFF → ON	10 to 14 V → 0 V
8 – body ground	Hazard switch OFF → ON	10 to 14 V → 0 V



2. INSPECT HEADLAMP ASSEMBLY (HEADLIGHT BEAM LEVEL CONTROL ACTUATOR OPERATION)

(a) Disconnect the connector from the headlamp assy.

(b) Connect the positive (+) lead from the battery to the terminal 3 of each of the headlight beam level control actuator and negative (–) lead from the battery to the terminal 1 of the each of the headlight beam level control actuator.

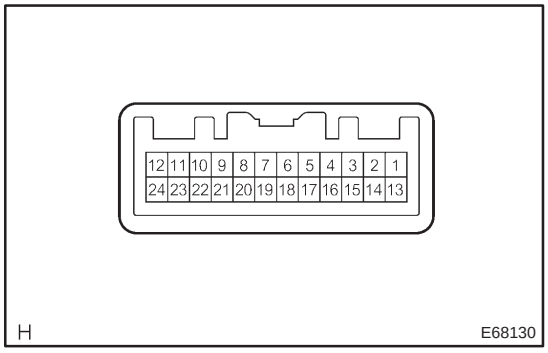
(c) Connect the positive (+) lead from the battery to the terminal 1 of headlamp levering switch and negative (–) lead from the battery to the terminal 5 of the headlamp levering switch.

(d) Connect the terminal 2 of the headlamp leveling switch and the terminal 2 of the each of headlight beam level control actuator.

(e) Measure voltage between the terminal 2 of the headlamp leveling switch and the battery negative (–) terminal when headlamp levering switch is operated.

Standard:

Switch position	Specified condition (V)
0	8.5 to 11.8
1	7.4 to 10.3
2	6.3 to 8.8
3	5.2 to 7.3
4	4.1 to 5.8
5	3.0 to 4.3



3. HEADLAMP LEVELING ECU ASSY

(a) Measure voltage between the terminal as shown in the chart below.

Standard:

Tester connection	Condition	Specified condition
1 – body ground	Turn ignition switch ON	10 to 14 V
1 – body ground	Turn ignition switch OFF	No voltage
10 – body ground	Headlamp switch is HEAD	Below 1 V
24 – body ground	Always	Continuity

(b) Connect the connector to the headlamp leveling ECU assy, then turn the ignition switch ON and light control switch into HEAD position. Inspect the wire harness side connector from the back side as shown in the chart.

Standard:

Tester connection	Condition	Specified condition
2 – body ground	Always	5 V
3 – body ground	3 secs. after vehicle height change for 10 secs.	1.0 to 13 V
4 – body ground	3 secs. after vehicle height change for 10 secs.	1.0 to 13 V
5 – body ground	Always	0 to 5 V
6 – body ground	Always	0 to 5 V
10 – body ground	Headlamp Switch is OFF → ON	10 to 14 V → Below 1 V
11 – body ground	Beam level warning light OFF → ON	10 to 14 V → Below 1 V
12 – body ground	Turn the vehicle wheel	Puls generation
13 – body ground	Always	10 to 14 V
14 – body ground	Always	10 to 14 V
15 – body ground	Always	5 V
20 – body ground	Always	Below 1 V
21 – body ground	Always	Below 1 V
22 – body ground	Always	Below 1 V
23 – body ground	Always	Below 1 V

4. HEADLAMP AUTO LEVERING OPERATION CHECK

(a) Check that the initialization (determination of the initial position) for the leveling motor is performed at the engine–start.

(b) Check that the warning indicator in the combination meter assy illuminates for approximately 3 seconds at the engine–start and then goes off.

(c) Check that the reflector works when:
Keeping the rear of the vehicle up or down while the engine is running with the vehicle stopped and the headlamp dimmer switch in the HEAD position.

NOTICE:

Make sure to change the vehicle's height slowly.

5. FAIL–SAFE FUNCTION

(a) Headlamp Leveling Control ECU

HINT:

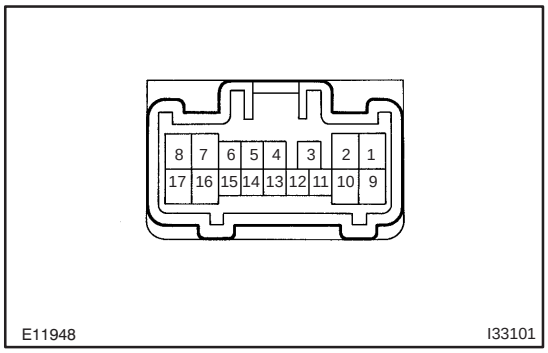
The Headlamp Leveling Control ECU performs the fail–safe when detecting following troubles. At this the warning indicator light on the combination meter lights up.

Trouble Area	Condition	Headlight levering motor
1. Height control sensor	• Signal level error • Out of voltage	Stop leveling operation
2. Headlamp leveling control ECU	• Watchdock detection • High voltage	Stop leveling operation

(b) Light control computer

Condition	Content
Output open	Lighting of the headlamp stops, the condition is maintained until switch is turned ON again (headlamp dimmer switch OFF → ON).
Short between output terminals	Lighting of the headlamp stops, the condition is maintained until switch is turned ON again (headlamp dimmer switch OFF → ON).
Leakage between output terminal and body ground	Lighting of the headlamp stops, the condition is maintained until switch is turned ON again (headlamp dimmer switch OFF → ON).
Low lamp voltage	Lighting of the headlamp stops, the condition is maintained until switch is turned ON again (headlamp dimmer switch OFF → ON).
High lamp voltage	Lighting of the headlamp stops, the condition is maintained until switch is turned ON again (headlamp dimmer switch OFF → ON).
Bulb flushing	• The condition is maintained more than 60 seconds. • Lighting of the headlamp stops, the condition is maintained until switch is turned ON again (headlamp dimmer switch OFF → ON).
High input voltage	Lighting of the headlamp stops. As soon as the voltage comes within the range of operation voltage (9 – 16 V), it lights up again.
Low input voltage	When voltage become 9.0 V → 7.5 V, lighting condition is maintained until possible voltage (Below 6 V) to keep lighting and lighting of the headlamp stops. As soon as the voltage becomes within the range of operation voltage (more than 9 V), it lights up again.

INSPECTION



1. HEADLAMP DIMMER SWITCH ASSY

(a) Inspect light control switch continuity.

(1) Check that there is continuity between the terminals at each switch position as shown in the chart.

Standard:

Switch operation	Tester connection	Specified condition
OFF	–	No continuity
TAIL	14 – 16	Continuity
HEAD	13 – 16 – 14	Continuity

(b) Inspect headlight dimmer switch continuity.

(1) Check that there is continuity between the terminals at each switch position as shown in the chart.

Standard:

Switch operation	Tester connection	Specified condition
FLASH	7 – 8 – 16	Continuity
LOW BEAM	16 – 17	Continuity
HI BEAM	7 – 16	Continuity

(c) Inspect turn signal switch continuity.

(1) Check that there is continuity between the terminals at each switch position as shown in the chart.

Standard:

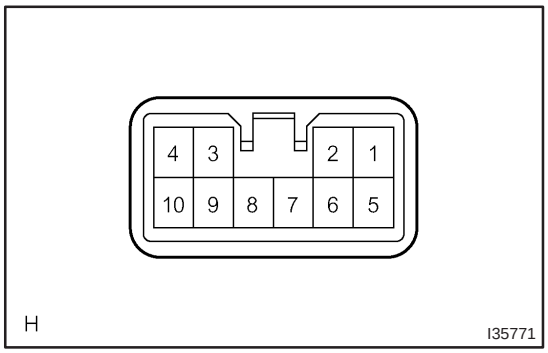
Switch operation	Tester connection	Specified condition
Right turn	2 – 3	Continuity
Neutral	–	No continuity
Left turn	1 – 2	Continuity

(d) Inspect front fog light switch continuity.

(1) Check that there is continuity between the terminals at each switch position as shown in the chart.

Standard:

Switch operation	Tester connection	Specified condition
OFF	–	No continuity
Front fog switch ON	10 – 11	Continuity
Rear fog switch ON	10 – 12	Continuity



2. HAZARD WARNING SIGNAL SWITCH ASSY

(a) Check that there is continuity between the terminals at each switch position as shown in the chart.

Standard:

Switch operation	Tester connection	Specified condition
OFF	1 – 4	No continuity
ON	1 – 4	Continuity
Illumination circuit	8 – 9	Continuity

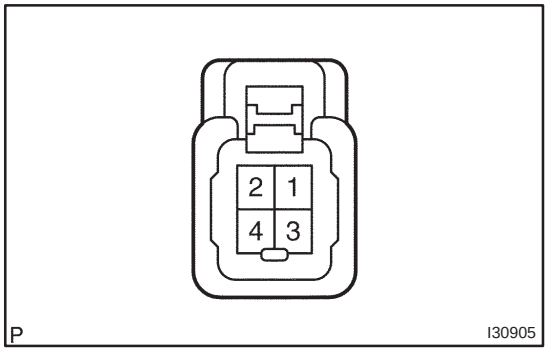
(b) Inspect illumination operation.
(1) Connect the positive (+) lead from the battery to the terminal 8 and negative (–) lead to the terminal 9, then check that the illumination comes on.

3. FRONT DOOR COURTESY LAMP SWITCH ASSY

(a) Check that there is continuity between the terminal and the switch body when the switch is operated.
Standard:
ON (When shaft is pressed): No continuity
OFF (When shaft is not pressed): Continuity

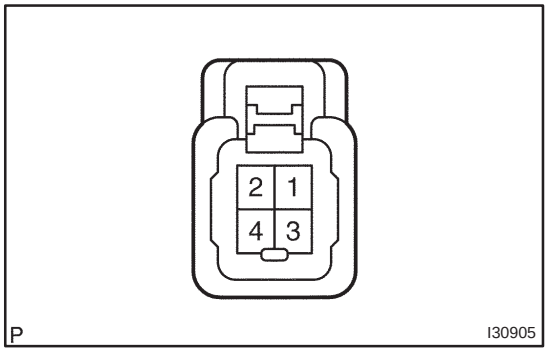
4. REAR DOOR COURTESY LAMP SWITCH ASSY

(a) Check that there is continuity between the terminal and the switch body when the switch is operated.
Standard:
ON (When shaft is pressed): No continuity
OFF (When shaft is not pressed): Continuity



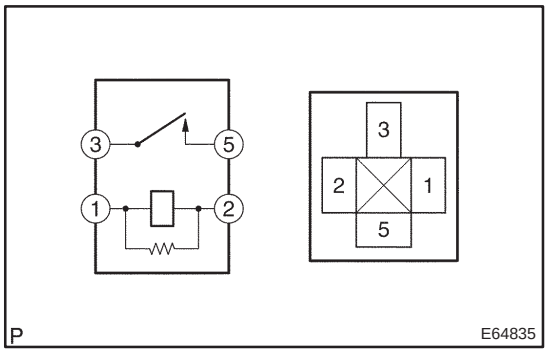
5. BACK DOOR LOCK ASSY (WAGON MODELS)

(a) Inspect back door courtesy lamp switch operation.
(1) Check that there is continuity between the terminal 1 and the terminal 2 when the back door is open and closed.
Standard:
Back door is open: No continuity
Back door is closed: Continuity



6. BACK DOOR LOCK ASSY (LIFTBACK MODELS)

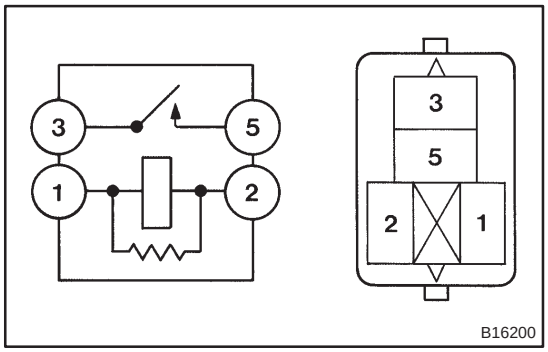
(a) Inspect back door courtesy lamp switch operation.
(1) Check that there is continuity between the terminal 1 and the terminal 2 when the back door is open and closed.
Standard:
Back door is open: No continuity
Back door is closed: Continuity



7. HEADLAMP RELAY

(a) Inspect relay continuity.
Standard:

Condition	Tester connection	Specified condition
Always	1 – 2	Continuity
Always	3 – 5	No continuity
Apply B+ between the terminal 1 and 2	3 – 5	Continuity

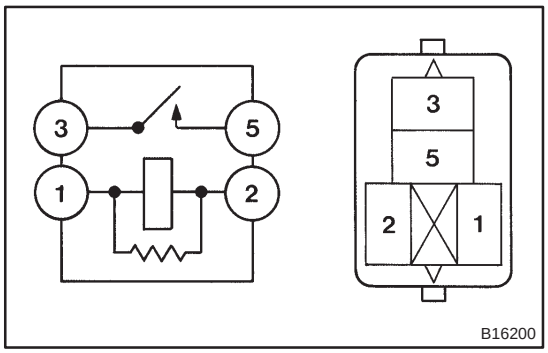


8. TAIL LAMP RELAY

(a) Inspect relay continuity.

Standard:

Condition	Tester connection	Specified condition
Always	1 – 2	Continuity
Always	3 – 5	No continuity
Apply B+ between the terminal 1 and 2	3 – 5	Continuity

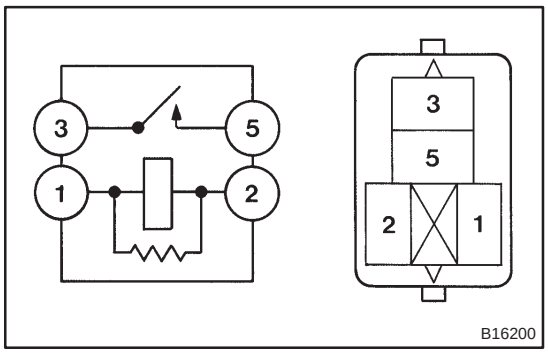


9. FOG LAMP RELAY

(a) Inspect relay continuity.

Standard:

Condition	Tester connection	Specified condition
Always	1 – 2	Continuity
Always	3 – 5	No continuity
Apply B+ between the terminal 1 and 2	3 – 5	Continuity

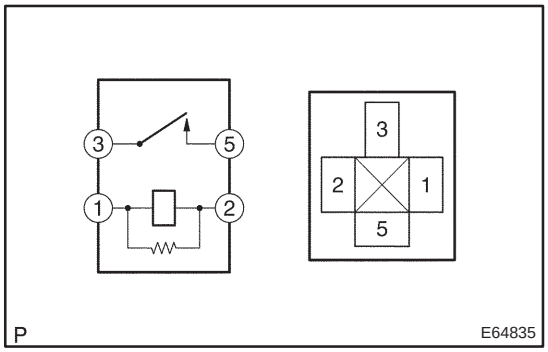


10. REAR FOG LAMP RELAY

(a) Inspect relay continuity.

Standard:

Condition	Tester connection	Specified condition
Always	1 – 2	Continuity
Always	3 – 5	No continuity
Apply B+ between the terminal 1 and 2	3 – 5	Continuity

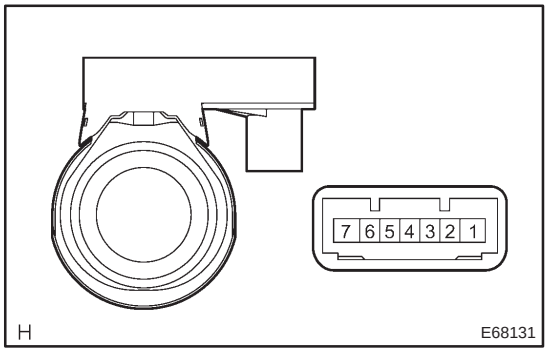


11. RUNNING LIGHT RELAY

(a) Inspect relay continuity.

Standard:

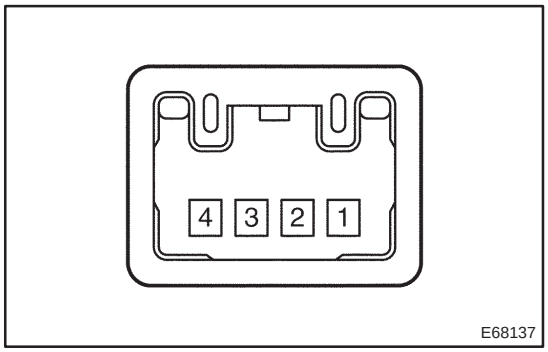
Condition	Tester connection	Specified condition
Always	1 – 2	Continuity
Always	3 – 5	No continuity
Apply B+ between the terminal 1 and 2	3 – 5	Continuity



12. TRANSPONDER KEY AMPLIFIER

(a) Inspect key cylinder operation.

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

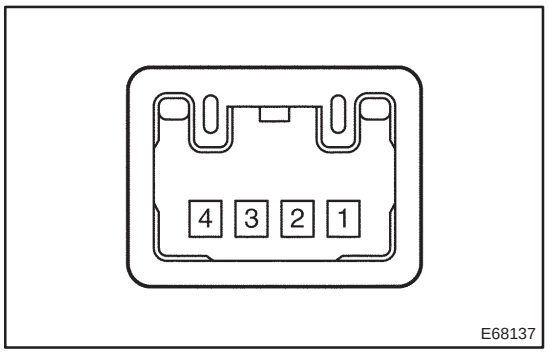


13. MAP LAMP ASSY

(a) Check the continuity between the terminals at each switch position as shown in the chart.

Standard:

Switch operation	Tester connection	Specified condition
OFF	–	No continuity
DOOR	2 – 4	Continuity
ON	3 – 4	Continuity



14. ROOM LAMP ASSY NO.2

(a) Check the continuity between the terminals at each switch position as shown in the chart.

Standard:

Switch operation	Tester connection	Specified condition
OFF	–	No continuity
DOOR	2 – 4	Continuity
ON	3 – 4	Continuity

15. COURTESY LAMP ASSY

(a) Check that the continuity exists between the terminals.

Standard: There is continuity

16. LUGGAGE COMPARTMENT LAMP ASSY NO.1

(a) Check that the continuity exists between the terminals.

Standard: There is continuity

17. GLOVE BOX LAMP ASSY

(a) Check that the continuity exists between the terminals when switch is operated.

Standard:

ON (When shaft is pressed): No continuity

OFF (When shaft is not pressed): Continuity

18. LH VISOR ASSY

(a) Inspect vanity light continuity.

(1) Check that the continuity exists between the terminal 1 and the terminal 2 when the light is operated.

Standard:

OFF (closed): No continuity

ON (opened): Continuity

19. RH VISOR ASSY

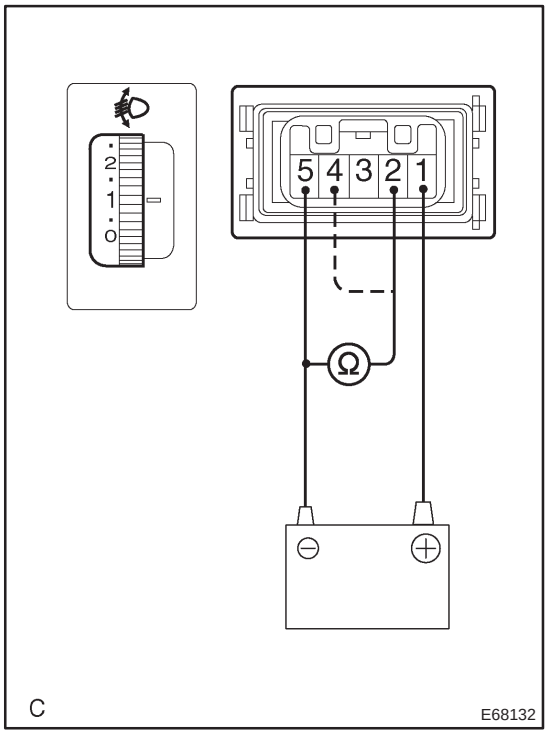
(a) Inspect vanity light continuity.

(1) Check that the continuity exists between the terminal 1 and the terminal 2 when the light is operated.

Standard:

OFF (closed): No continuity

ON (opened): Continuity



20. HEADLAMP LEVELING SWITCH

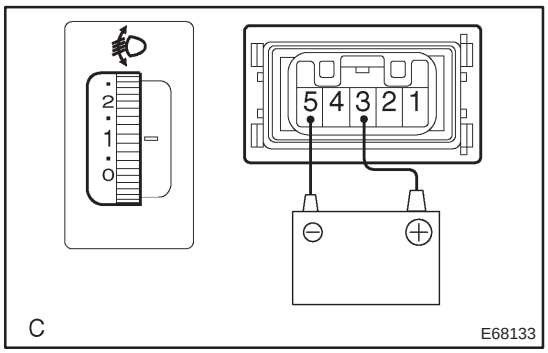
(a) Connect the battery positive (+) lead to the terminal 1 and the battery negative (–) lead to the terminal 5.

(b) Measure the resistance between the terminal 2 and the battery negative (–) lead when headlamp leveling switch is operated.

(c) Measure the resistance between the terminal 4 and the battery negative (–) lead when headlamp leveling switch is operated.

Standard:

Switch position	Resistance (Ω)
0	1.0 – 1.2
1	1.6 – 1.9
2	2.3 – 2.6
3	2.9 – 3.3
4	3.5 – 3.9
5	4.1 – 4.6



(d) Inspect switch illumination.

(1) Connect the battery positive (+) lead to the terminal 3 and the battery negative (–) lead to the terminal 5, and check that the illumination comes on.

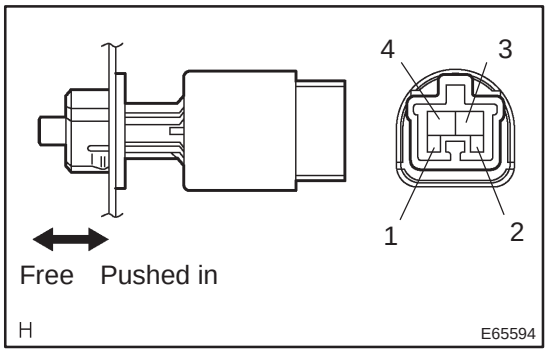
21. STOP LAMP SWITCH ASSY (W/O CRUISE CONTROL)

(a) Check the continuity between each of the terminals when switch is operated.

Standard:

ON (When shaft is pushed): No continuity

OFF (When shaft is not pushed): Continuity



22. STOP LAMP SWITCH ASSY (W/ CRUISE CONTROL)

(a) Check the continuity between the terminals at each switch position as shown in the chart.

Standard:

Switch position	Tester connection	Specified condition
Switch pin free	1 – 2	No continuity
Switch pin free	3 – 4	Continuity
Switch pin pushed in	1 – 2	Continuity
Switch pin pushed in	3 – 4	No continuity

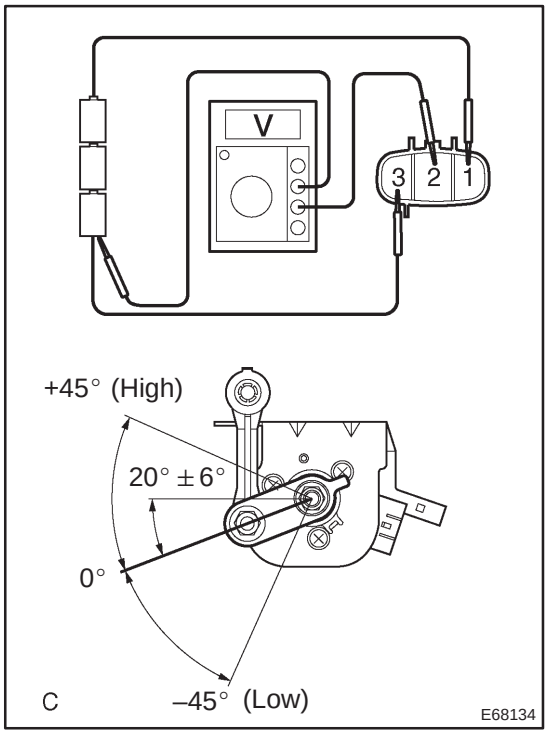
23. BACK UP LAMP SWITCH ASSY

(a) Check the continuity between each of the terminals when switch is operated.

Standard:

ON (When shaft is pushed): Continuity

OFF (When shaft is not pushed): No continuity



24. HEIGHT CONTROL SENSOR SUB–ASSY FR RH

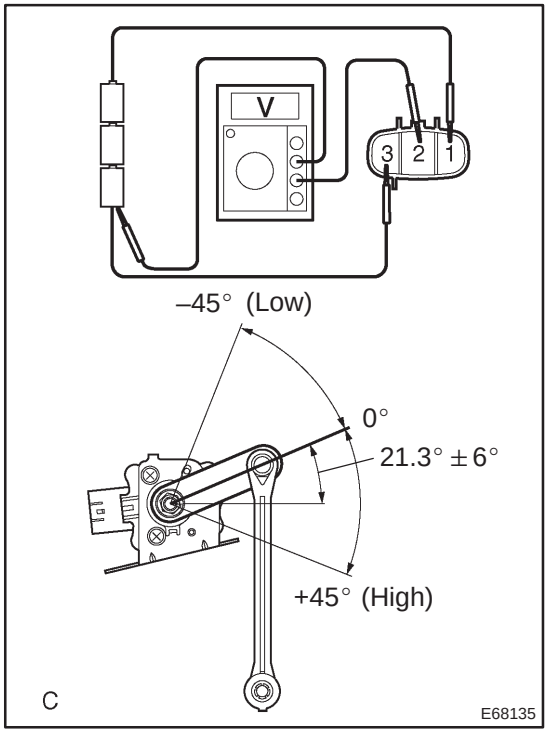
(a) Connect the 3 dry cell batteries (1.5 V) in series.

(b) Connect the positive (+) lead from the battery to the terminal 1 and negative (–) lead from the battery to the terminal 3.

(c) Measure voltage between the terminal 2 and the terminal 3 when slowly move the link up and down.

Standard:

Link angle	Standard voltage
+45° (High)	4.5 V
0° (Normal)	2.5 V
–45° (Low)	0.5 V



25. HEIGHT CONTROL SENSOR SUB–ASSY REAR RH

(a) Connect the 3 dry cell batteries (1.5 V) in series.

(b) Connect the positive (+) lead from the battery to the terminal 1 and negative (–) lead from the battery to the terminal 3.

(c) Measure voltage between the terminal 2 and the terminal 3 when slowly move the link up and down.

Standard:

Link angle	Standard voltage
+45° (High)	4.5 V
0° (Normal)	2.5 V
–45° (Low)	0.5 V

REAR COMBINATION LAMP ASSY LH

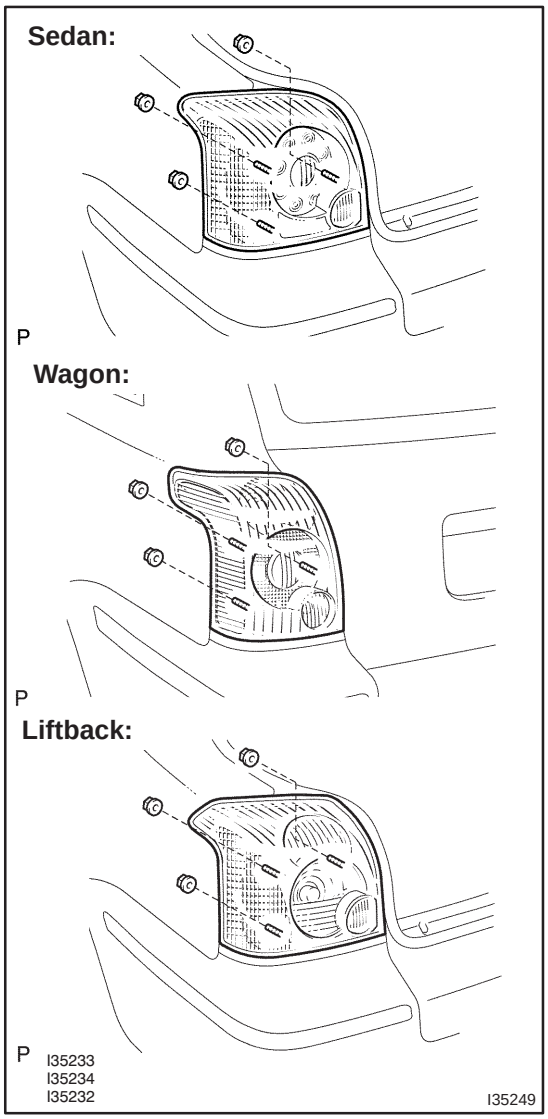
650SZ–01

REPLACEMENT

1. REMOVE REAR COMBINATION LAMP ASSY LH

(a) Remove the service hole cover LH.

(b) Disconnect the connector.



(c) Remove the 3 nuts and the rear combination lamp assy LH.

(d) SEDAN:
Remove the combination lamp socket and the 6 lamp bulbs.

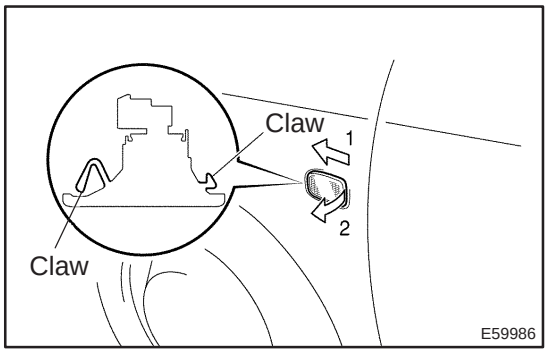
(e) WAGON:
Remove the combination lamp socket and the 3 lamp bulbs.

(f) LIFTBACK:
Remove the combination lamp socket and the 4 lamp bulbs.

SIDE TURN SIGNAL LAMP ASSY LH

650SW–01

REPLACEMENT



1. REMOVE SIDE TURN SIGNAL LAMP ASSY LH

(a) Disengage the claw by pulling it forward.

(b) Take the socket off and remove the side turn signal lamp assy LH.