

BODY ELECTRICAL SYSTEM

BE011-14

PRECAUTION

HINT:

Take care to observe the following precautions when performing inspections or removal and replacement of body electrical related parts.

1. HEADLIGHT SYSTEM

- Halogen bulbs have pressurized gas inside and require special handling. They can burst if scratched or dropped. Hold a bulb only by its plastic or metal case. Don't touch the glass part of a bulb with bare hands.
- When high voltage socket of discharge headlight is touched with the light control switch HEAD, high voltage of 20,000 V is momentarily generated. This might lead to a serious accident.
- Never connect the tester to the high voltage socket of discharge headlight for measurement, as this leads to a serious accident because of high voltage.
- When performing operation related to the discharge headlight, make sure to do it in the place with no water or rain to prevent electric shock, with light control switch OFF, battery terminal removed, connector of light control ECU disconnected.
- When performing operation related to the discharge headlight, make sure to do it after assembling has been completely over and never light up without a bulb installed.
- Do not light up the discharge headlight using another power source except vehicle's.
- When there is a defect on the discharge headlight or any shock has been applied to it, replace the light with a new one.

Even if the light operates normally, there is a possibility that the fail-safe function works.

2. SRS (SUPPLEMENTAL RESTRAINT SYSTEM)

The LEXUS IS300/IS200 is equipped with an SRS (Supplemental Restraint System) such as the driver airbag, front passenger airbag, side airbag and curtain shield airbag. Failure to carry out service operation in the correct sequence could cause the SRS to unexpectedly deploy during servicing, possibly leading to a serious accident. Before servicing (including removal or installation of parts, inspection or replacement), be sure to read the precautionary notices in the RS section.

3. AUDIO SYSTEM

If the negative (–) terminal cable is disconnected from the battery, the preset AM, FM 1 and FM 2 stations stored in memory are erased, so make sure to note the stations and reset them after the negative (–) terminal cable is reconnected to the battery.

4. MOBILE COMMUNICATION SYSTEM

If the vehicle is equipped with a mobile communication system, refer to precautions in the IN section.



TROUBLESHOOTING

PROBLEM SYMPTOMS TABLE

WIPER AND WASHER SYSTEM

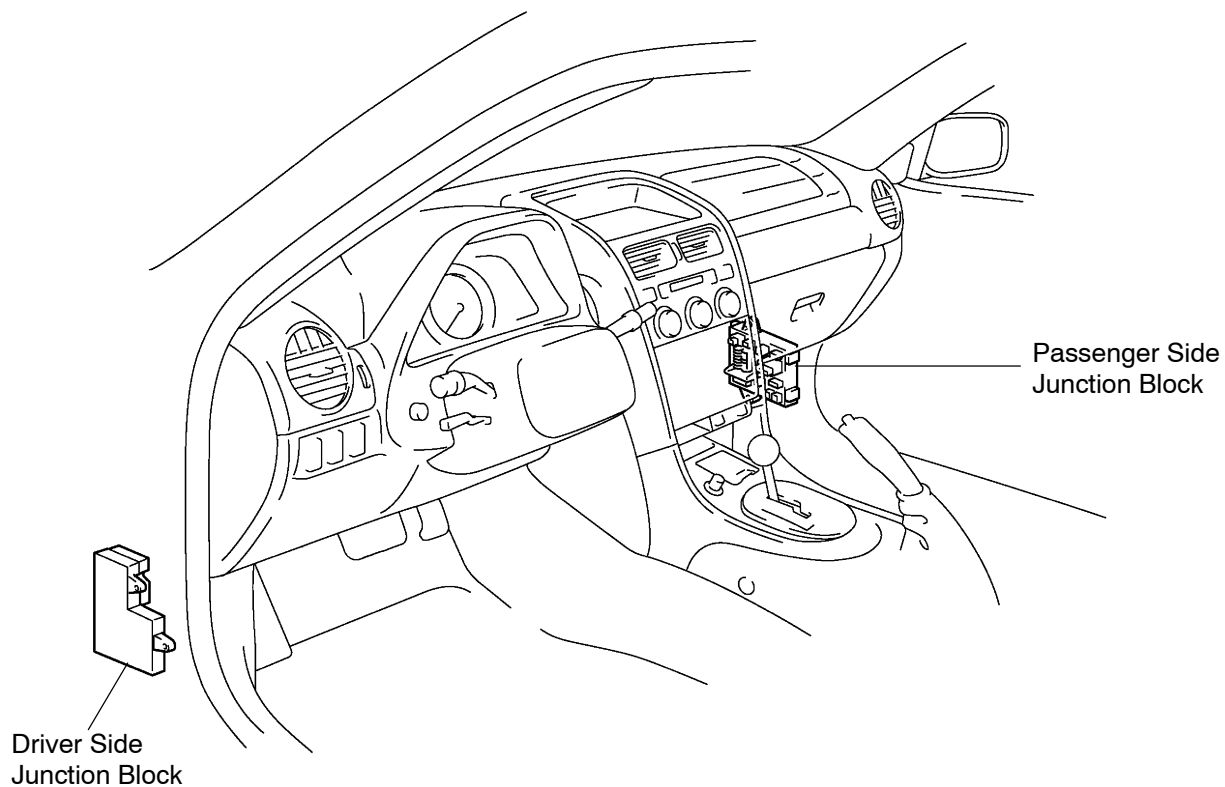
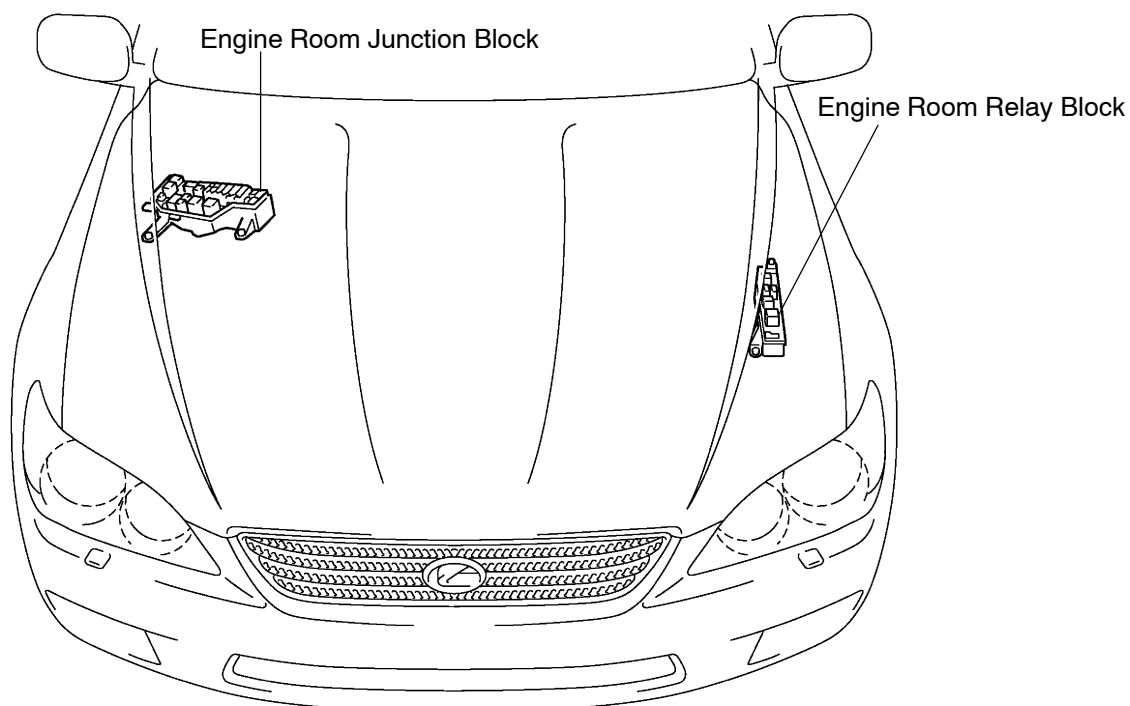
BE16S-04

Symptom	Suspect Area	See page
Rear wiper does not operate.	1. WIPER Fuse 2. Rear Wiper Motor 3. Rear Wiper Switch 4. Wire Harness	- BE-28 BE-28 -
Rear wiper does not operate in INT or ON position.	1. Rear Wiper Switch 2. Wire Harness	BE-28 -
Rear wiper does not return to OFF position.	1. Rear Wiper Motor 2. Wire Harness	BE-28 -
Rear Washer Motor does not operate.	1. Rear Washer Motor 2. Rear Washer Switch 3. Wire Harness	BE-28 BE-28 -
Washer fluid does not operate.	Washer Hose and Nozzle	-

POWER SOURCE LOCATION

BE15V-02

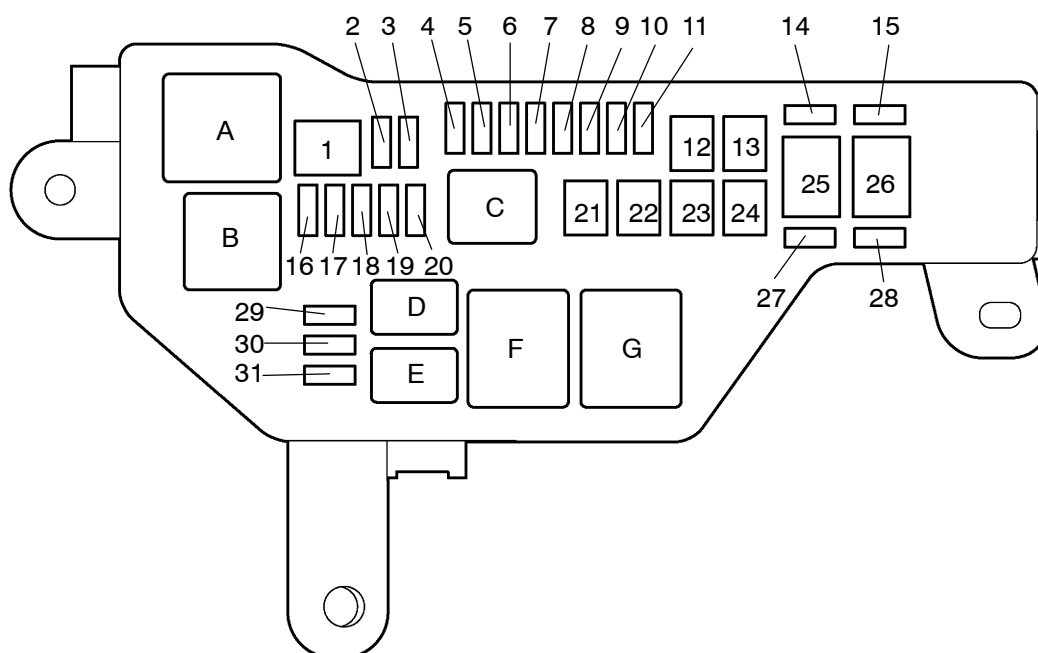
Power Source



C

I23130

● Engine Room Junction Block
LHD Models



Fuses

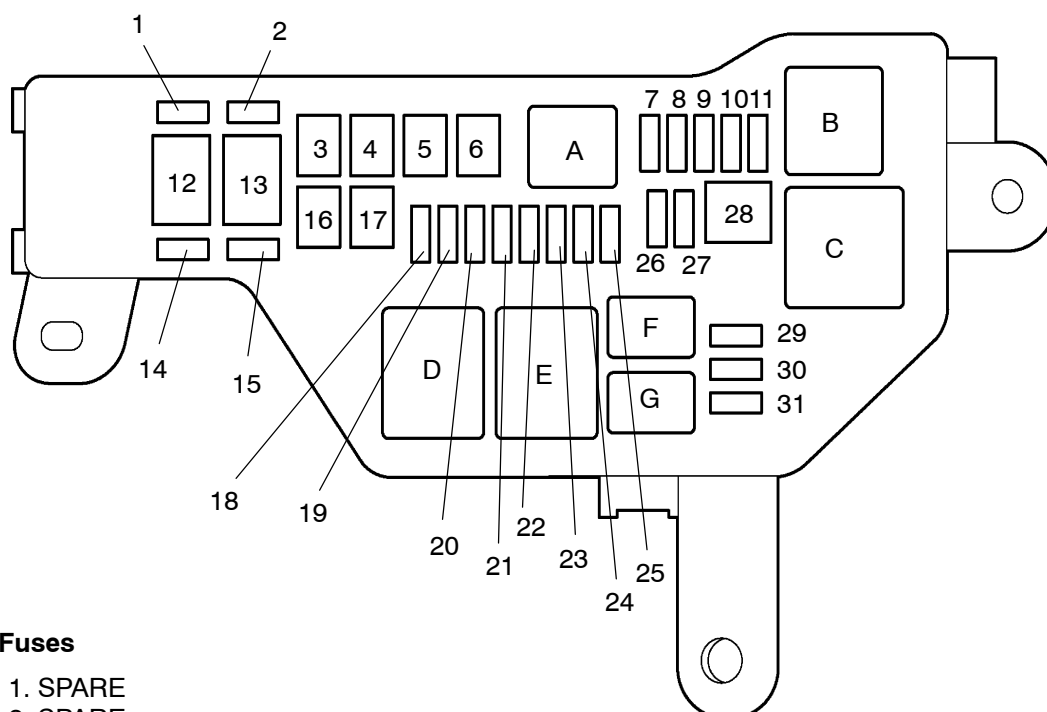
1. MAIN FL 40A
2. ECU-B1 20A
3. -
4. ALT-S 7.5A
5. ETCS 15A
6. AM2 20A
7. HORN 10A
8. -
9. RADIO NO. 1 20A
10. TURN 15A
11. EFI 25A
12. P/SEAT 30A
13. HEAD CLNER 30A
14. SPARE
15. SPARE
16. -
17. DRL NO. 1 7.5A
18. H-LP LH-LO 15A
19. H-LP RH-LO 15A
20. ABS2 7.5A
21. -
22. -
23. CDS FAN 30A
24. RDI FAN 30A
25. ALT 120A
26. ABS1 60A
27. SPARE
28. SPARE
29. H-LP LH-HI 10A
30. H-LP RH-HI 10A
31. H-LP LVL 10A

Relays

- A. Headlight Control Relay
- B. Starter relay
- C. Circuit Opening Relay
- D. Horn Relay
- E. EFI Main Relay
- F. ABS MTR Relay
- G. ABS SOL Relay

N

● Engine Room Junction Block
RHD Models



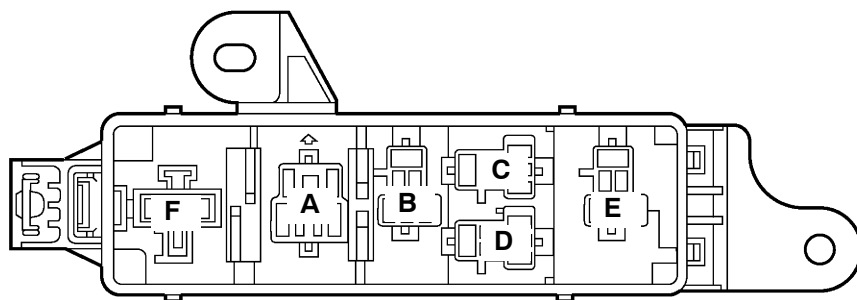
Fuses

1. SPARE
2. SPARE
3. RDI FAN 30A
4. CDS FAN 30A
5. -
6. -
7. ABS2 7.5A
8. H-LP RH-LO 15A
9. H-LP LH-LO 15A
10. H-LP LVL 10A
11. -
12. ABS 60A
13. ALT 120A
14. -
15. SPARE
16. H-LP CLNER 30A
17. P/SEAT 30A
18. EFI 25A
19. TURN 10A
20. RADIO NO. 1 20A
21. -
22. HORN 10A
23. AM2 20A
24. ETCS 15A
25. ALT-S 7.5A
26. -
27. ECU-B1 20A
28. MAIN 40A
29. -
30. H-LP RH-HI 10A
31. H-LP LH-HI 10A

Relays

- A. Circuit Opening Relay
- B. Starter relay
- C. Headlight Control Relay
- D. ABS SOL Relay
- E. ABS MTR Relay
- F. Horn Relay
- G. EFI Main Relay

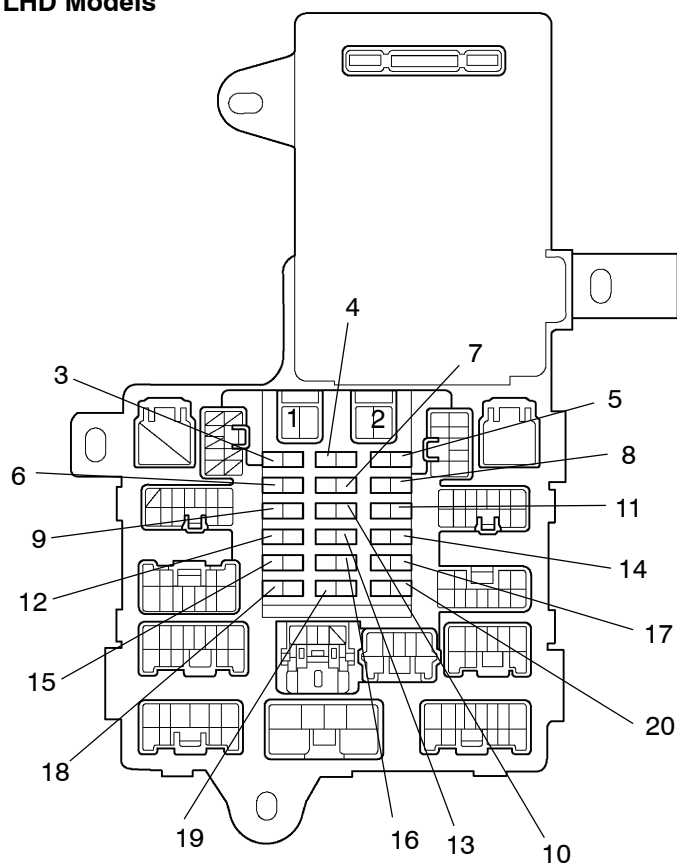
● Engine Room Relay Block



Relays

- A. Headlight Dimmer Relay
- B. A/C Compressor Relay
- C. FAN NO.3 Relay
- D. FAN NO.2 Relay
- E. FAN NO.1 Relay
- F. F/PMP Relay

● Driver Side Junction Block
LHD Models



Fuses

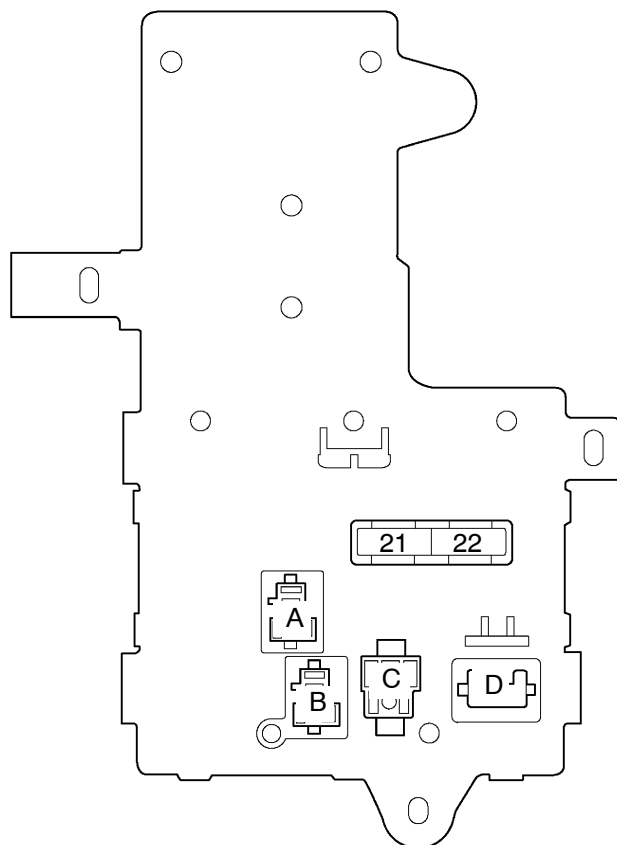
1. DEF 40A
2. AM1 40A
3. P/W 20A
4. TAIL 10A
5. GAUGE 10A
6. D/L 20A
7. PANEL 7.5A
8. WSH 15A
9. ST 7.5A
10. FR DEF 20A
11. A/C 10A
12. S/HTR 15A
13. CIG 15A
14. S/R 30A
15. ECU-IG 10A
16. SRS-ACC 10A
17. STOP 15A
18. WIP 25A
19. RADIO2 10A
20. -

Condenser

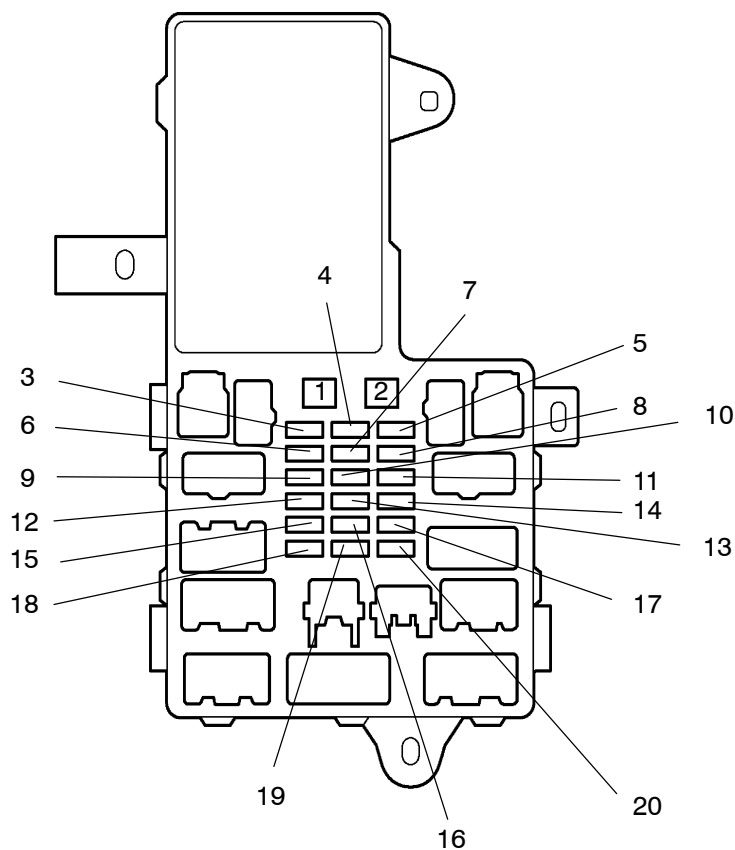
21. DEF CDS
22. DEF CDS

Relays

- A. Deicer Relay
- B. Taillight Control Relay
- C. Rear Window Defogger Relay
- D. Turn Signal Flasher Relay



● Driver Side Junction Block
RHD Models

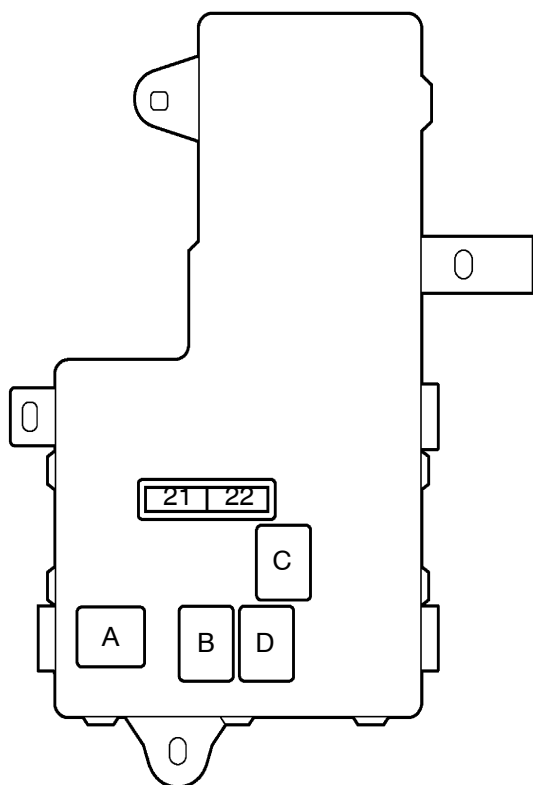


Fuses

1. AM1	40A
2. DEF	30A
3. PANEL	7.5A
4. D/L	20A
5. ECU-IG	10A
6. TAIL	10A
7. FR DEF	20A
8. GAUGE	10A
9. S/R	30A
10. P/W	20A
11. WIP	25A
12. STOP	15A
13. WSH	15A
14. A/C	10A
15. P/OUTLET	15A
16. CIG	15A
17. RADIO2	10A
18. ST	7.5A
19. SRS ACC	10A
20. S/HTR	15A

Condenser

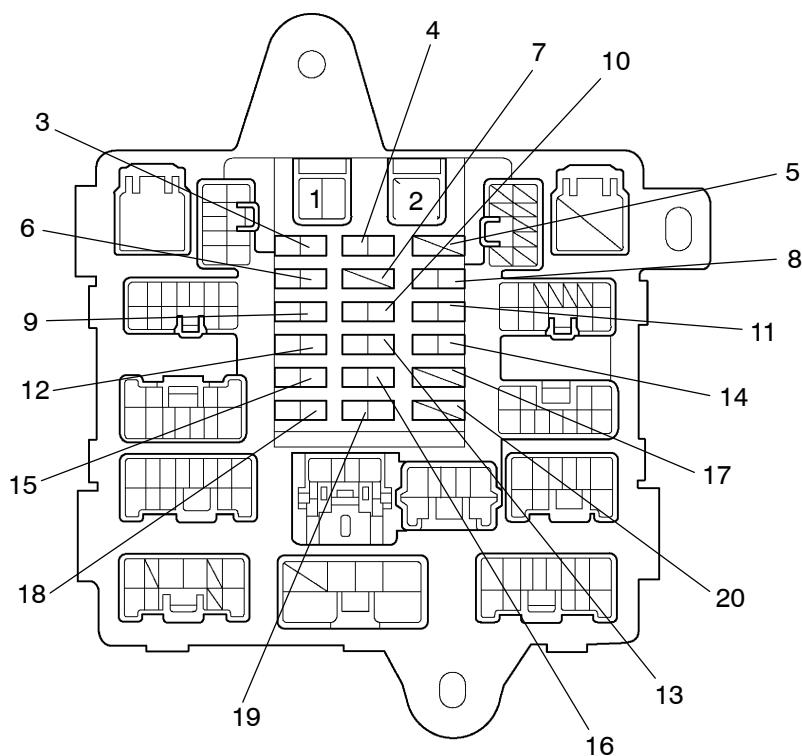
21. DEF CDS
22. DEF CDS



Relays

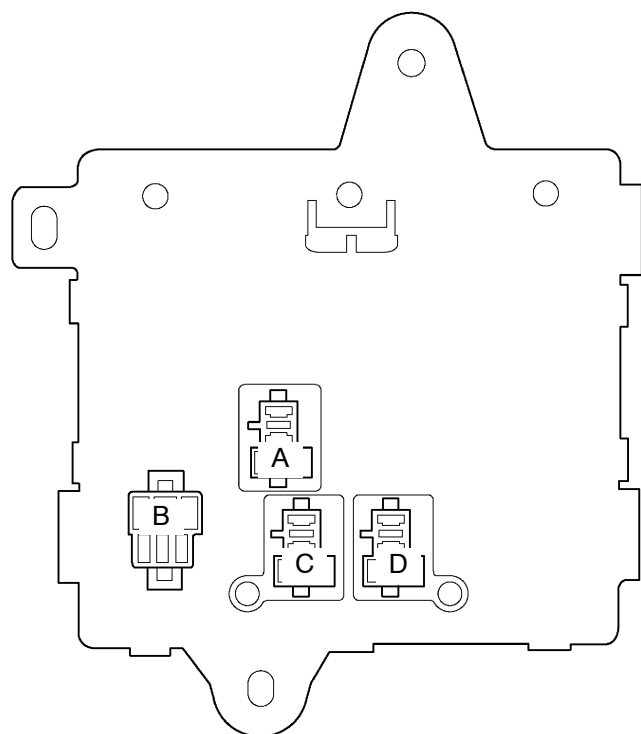
- A. Turn Signal Flasher Relay
- B. Rear Window Defogger Relay
- C. Taillight Control Relay
- D. Deicer Relay

● Passenger Side Junction Block
LHD Models



Fuses

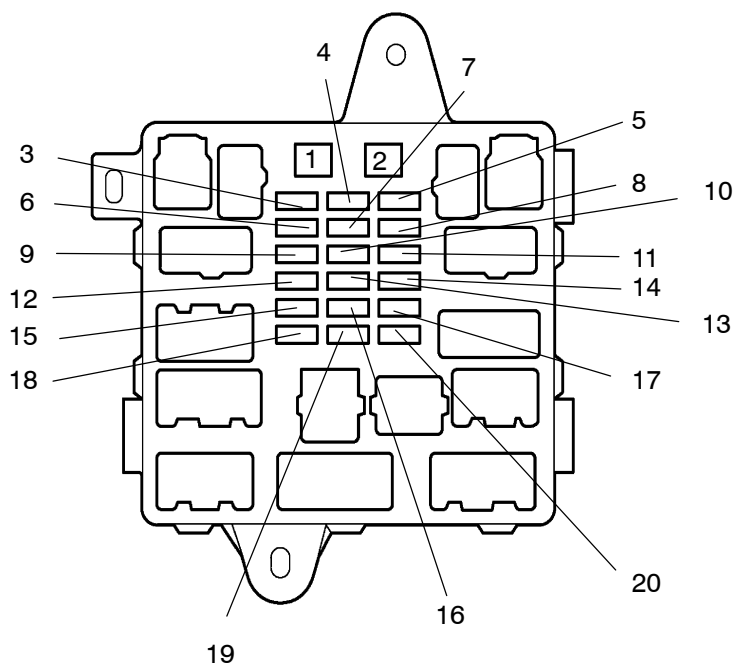
1. FL HTR 40A
2. -
3. DOOR DL 15A
4. DOME 7.5A
5. -
6. FR FOG 15A
7. -
8. P/W2 20A
9. P/OUTLET 15A
10. ECU-B2 7.5A
11. P/W3 20A
12. MIR HIR 15A
13. MPX-B 10A
14. P/W4 20A
15. SRS-B 7.5A
16. TV 7.5A
17. -
18. OBD2 7.5A
19. IGN 7.5A
20. -



Relays

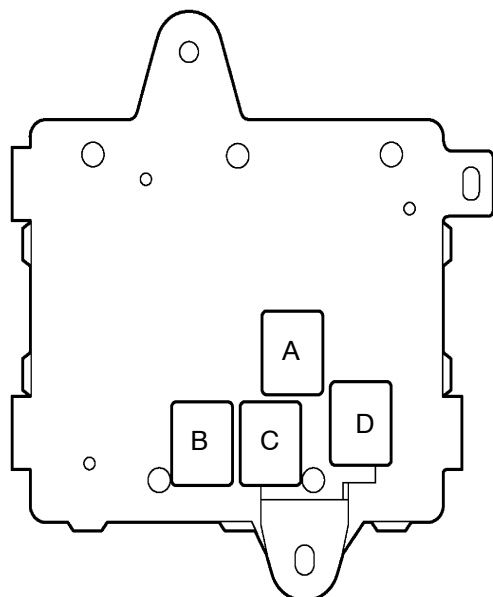
- A. Front Fog Light Relay
- B. Heater Main Relay
- C. Mirror Heater Relay
- D. Power Window Main Relay

● Passenger Side Junction Block
RHD Models



Fuses

1. -	
2. FL HTR	40A
3. P/W2	20A
4. IGN	7.5A
5. DOOR DL	15A
6. P/W3	20A
7. -	
8. TV	7.5A
9. -	
10. DOME	7.5A
11. FR FOG	15A
12. P/W4	20A
13. -	
14. MIR HTR	15A
15. -	
16. MPX-B	10A
17. SRS-B	7.5A
18. -	
19. ECU-B2	7.5A
20. OBD2	7.5A



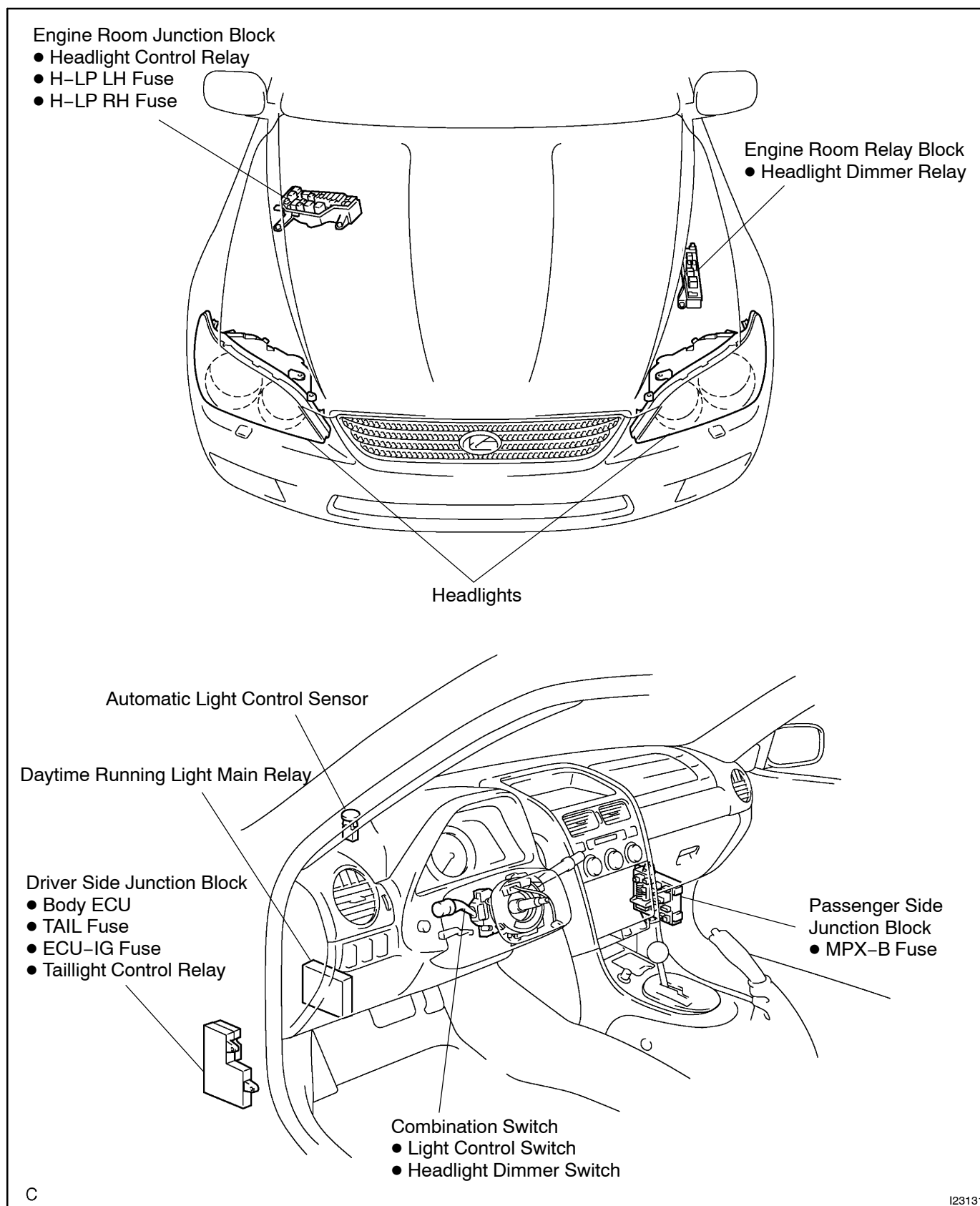
Relays

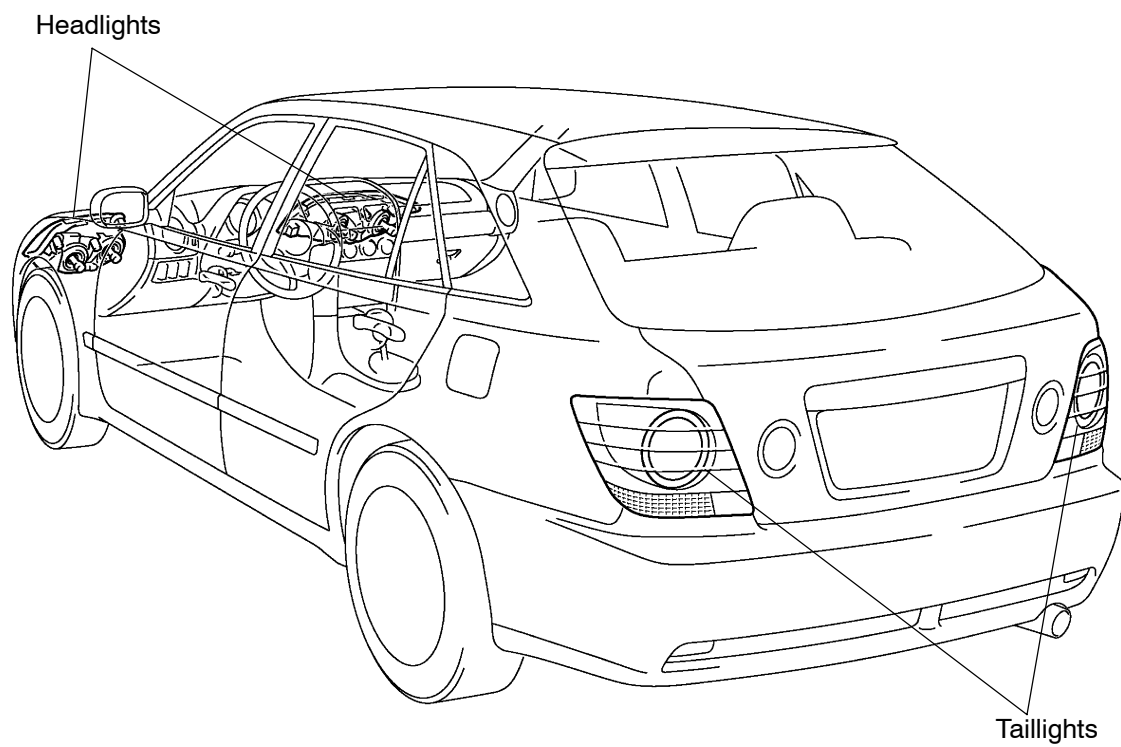
- A. Front Fog Light Relay
- B. Power Window Main Relay
- C. Mirror Heater Relay
- D. Heater Main Relay

HEADLIGHT AND TAILLIGHT SYSTEM

LOCATION

BE298-01



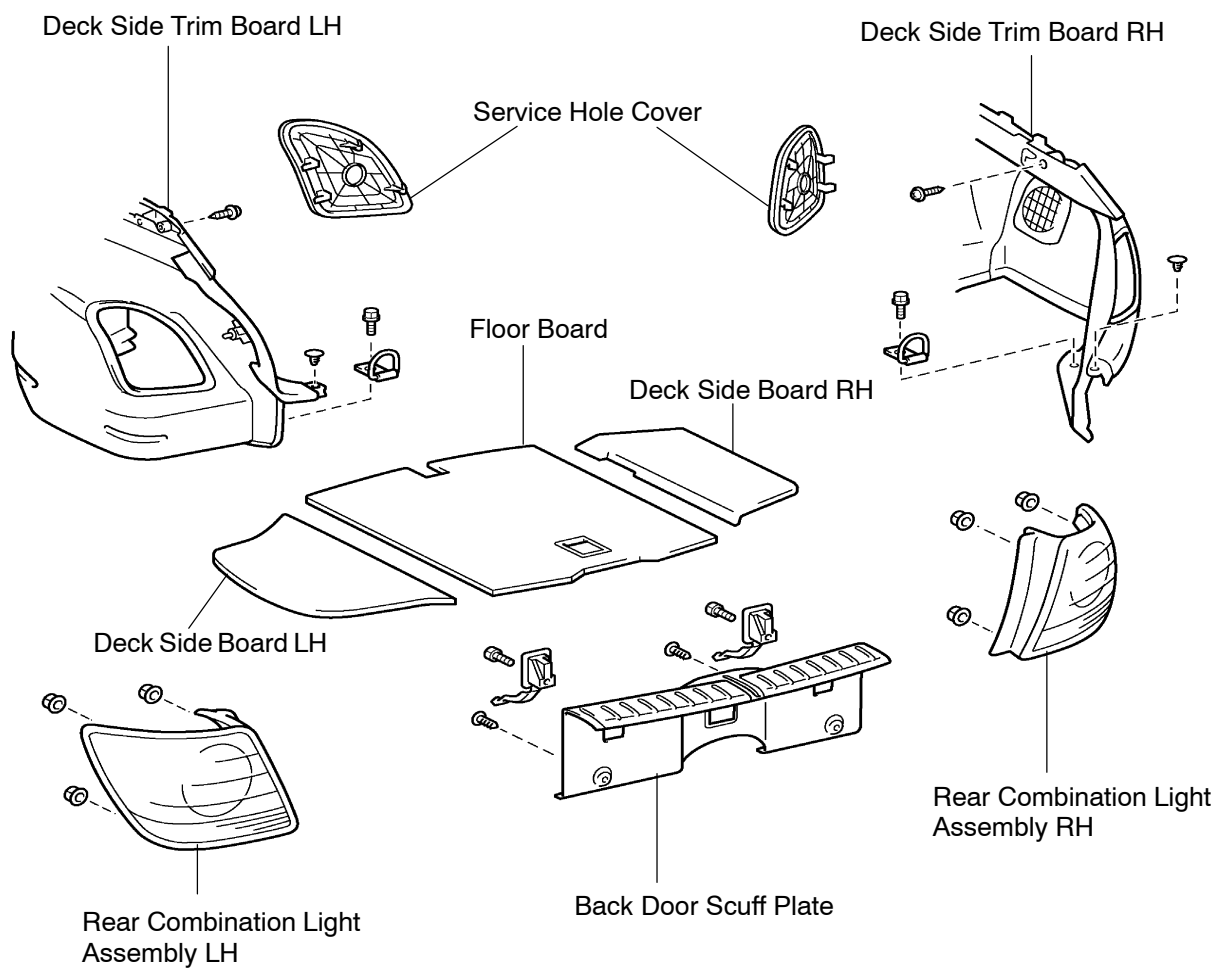
Wagon:

C

I23256

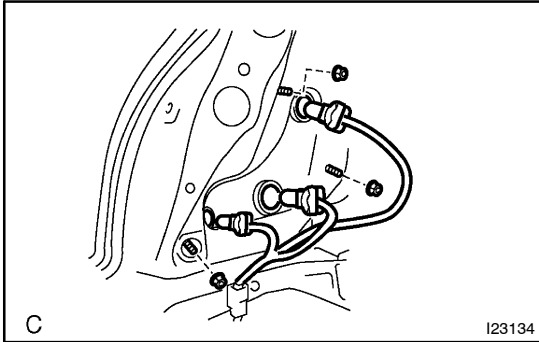
COMPONENTS

Wagon:



C

I23133



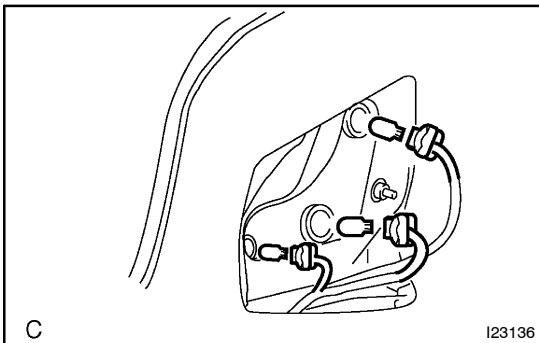
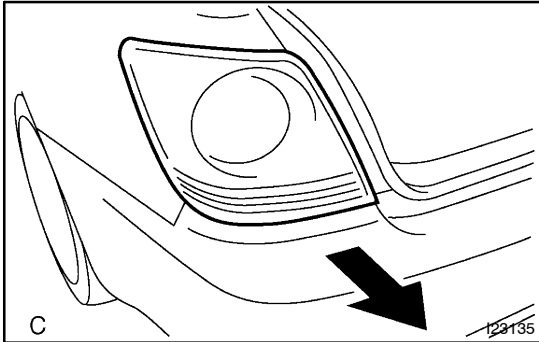
REMOVAL

1. Wagon:

REMOVE REAR COMBINATION LIGHT

HINT:

- Installation is in the reverse order of removal. Only if there is a specified procedure for installation it is shown.
 - Follow the same procedure for RH as for LH.
- (a) Remove floor board and deck side board LH.
 - (b) Remove back door scuff plate.
 - (c) Remove a part of deck side trim board LH.
 - (d) Disconnect the bulb sockets and 3 nuts.
 - (e) Remove the combination light assembly.

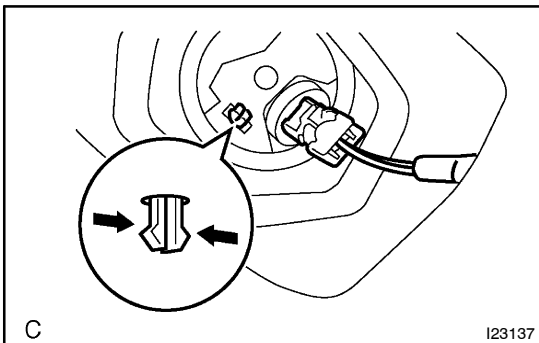


2. Wagon:

REMOVE REAR COMBINATION BULB

HINT:

- Installation is in the reverse order of removal. Only if there is a specified procedure for installation it is shown.
 - Follow the same procedure for RH as for LH.
- (a) Remove a service hole cover.
 - (b) Remove the bulb sockets and remove the bulbs.

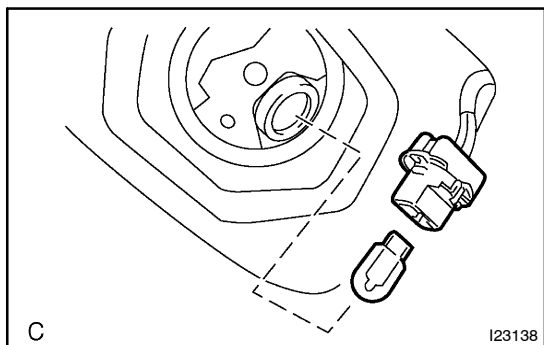


3. Wagon:

REMOVE REAR LAMP ASSEMBLY

HINT:

- Installation is in the reverse order of removal. Only if there is a specified procedure for installation it is shown.
 - Follow the same procedure for RH as for LH.
- (a) Remove the back door trim service hole cover.
 - (b) Compress the claw to disconnect the engagement as shown in the illustration.
 - (c) Separate the connector and remove the rear light assembly.



4. Wagon: REMOVE REAR LAMP BULB

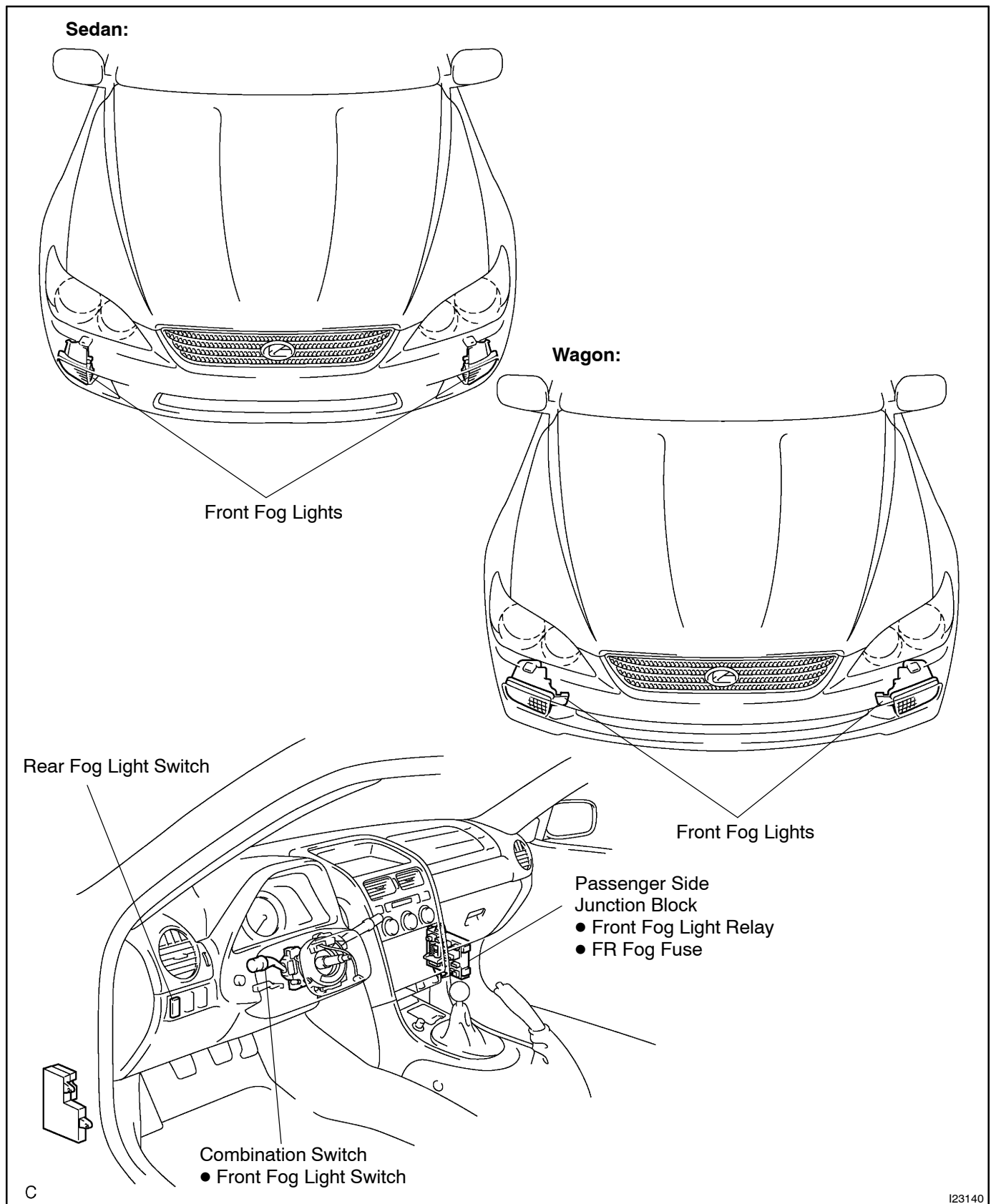
HINT:

Installation is in the reverse order of removal. Only if there is a specified procedure for installation it is shown.

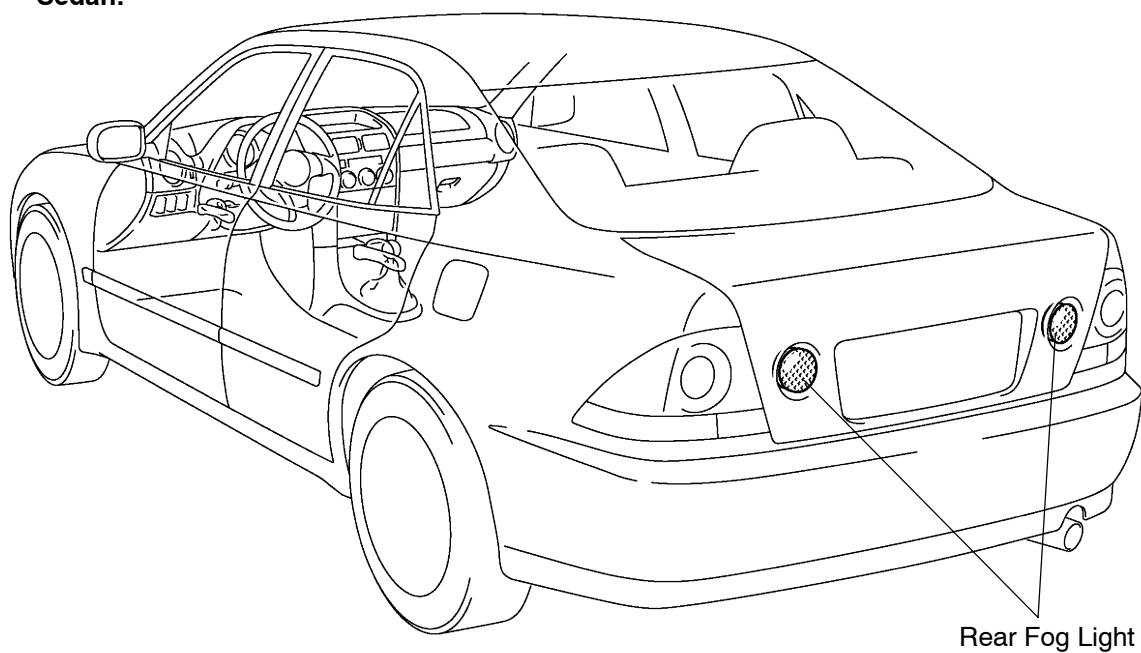
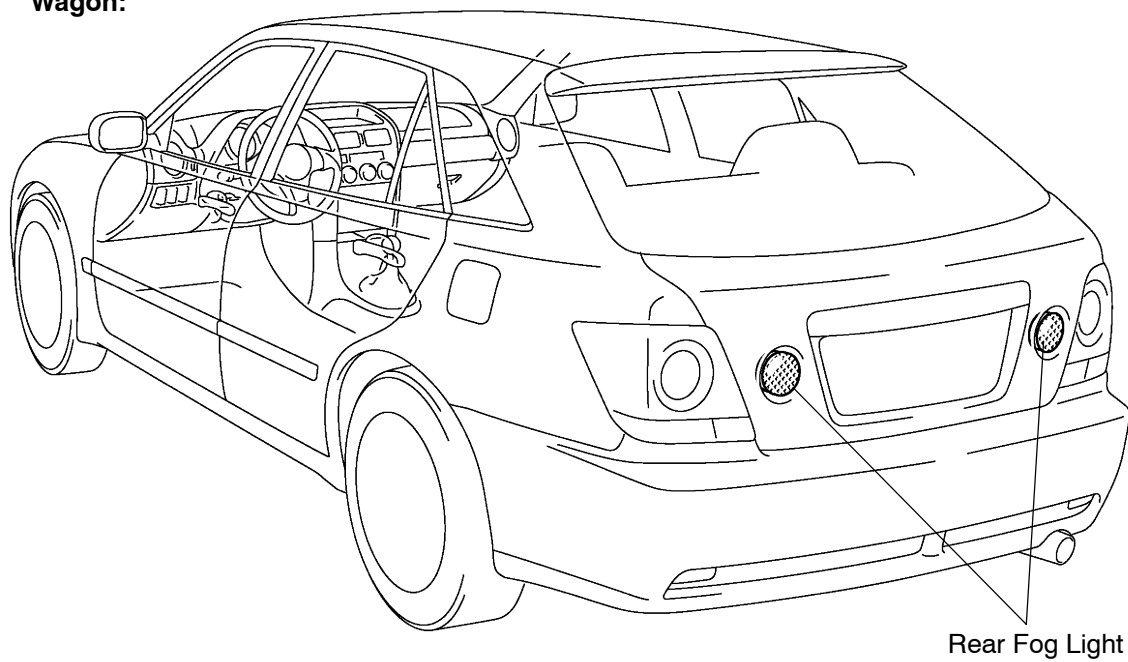
- (a) Remove the back door trim service hole cover.
- (b) Remove the bulb socket and bulb.

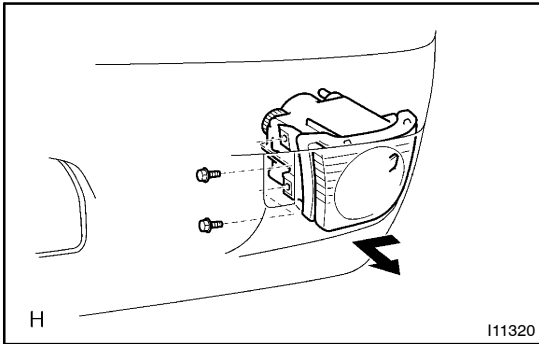
FOG LIGHT SYSTEM LOCATION

BE299-01



I23140

Sedan:**Wagon:**



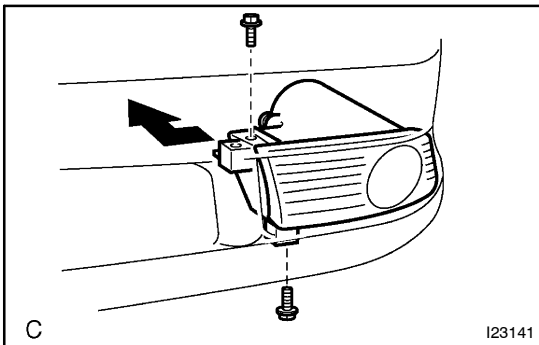
REMOVAL

1. Sedan:

REMOVE FRONT FOG LIGHT ASSEMBLY

HINT:

- Installation is in the reverse order of removal. Only if there is a specified procedure for installation it is shown.
- Follow the same procedure for RH as for LH.
- (a) Remove the front portion of fender liner.
- (b) Disconnect the connector.
- (c) Remove the 2 bolts.
- (d) Remove the front fog light assembly, as shown in the illustration.
- (e) Install front fog light assembly.
- (f) Adjust optical axis of front fog light
(See Pub No. RM684E on page BE-48).

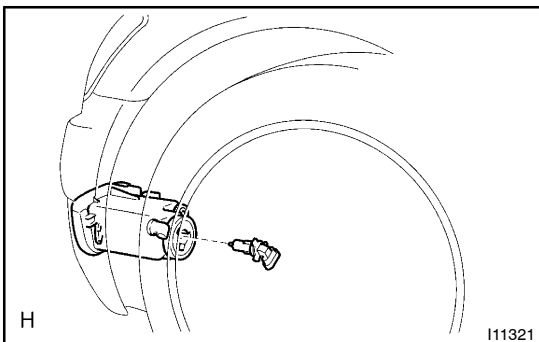


2. Wagon:

REMOVE FRONT FOG LIGHT ASSEMBLY

HINT:

- Installation is in the reverse order of removal. Only if there is a specified procedure for installation it is shown.
- Follow the same procedure for RH as for LH.
- (a) Remove the front portion of fender liner.
- (b) Disconnect the connector.
- (c) Remove the 2 bolts.
- (d) Remove the front fog light assembly, as shown in the illustration.
- (e) Install front fog light assembly.
- (f) Adjust optical axis of front fog light
(See Pub No. RM684E on page BE-48).



3. REMOVE FRONT FOG LIGHT BULB

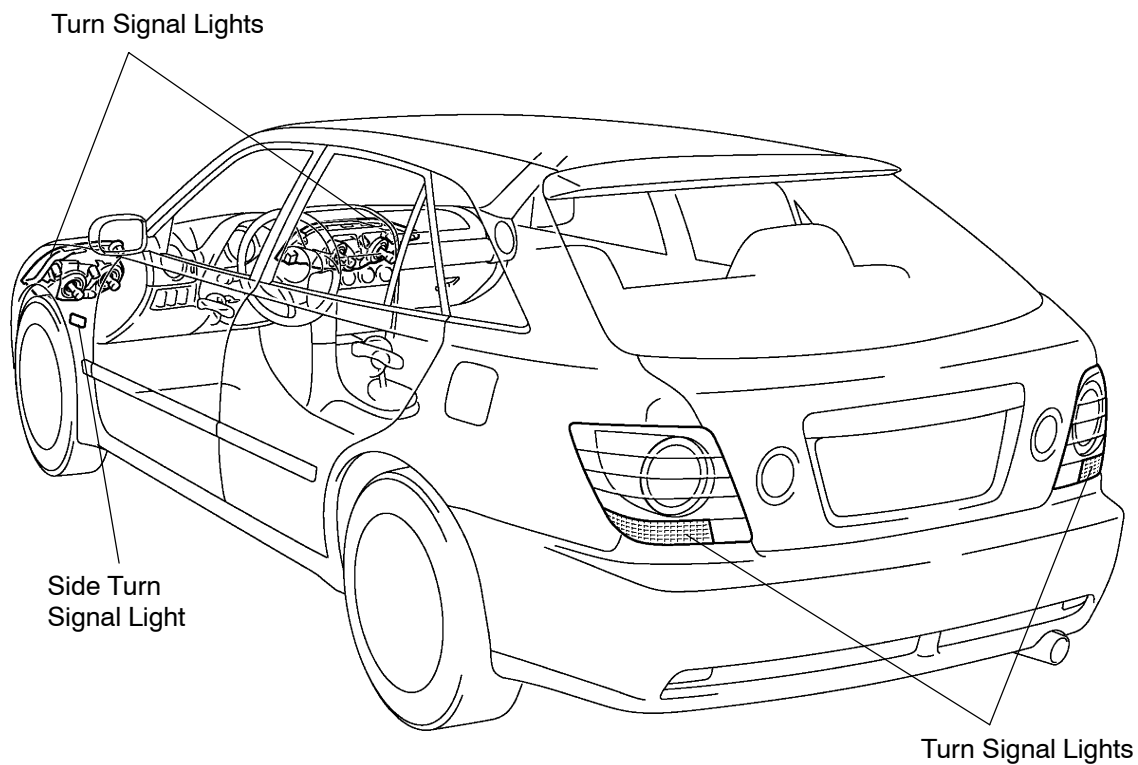
HINT:

Follow the same procedure for RH as for LH.

- (a) Remove a part of LH front fender liner.
- (b) Separate the connector and remove the bulb.

TURN SIGNAL AND HAZARD WARNING SYSTEM LOCATION

BE0H0-10

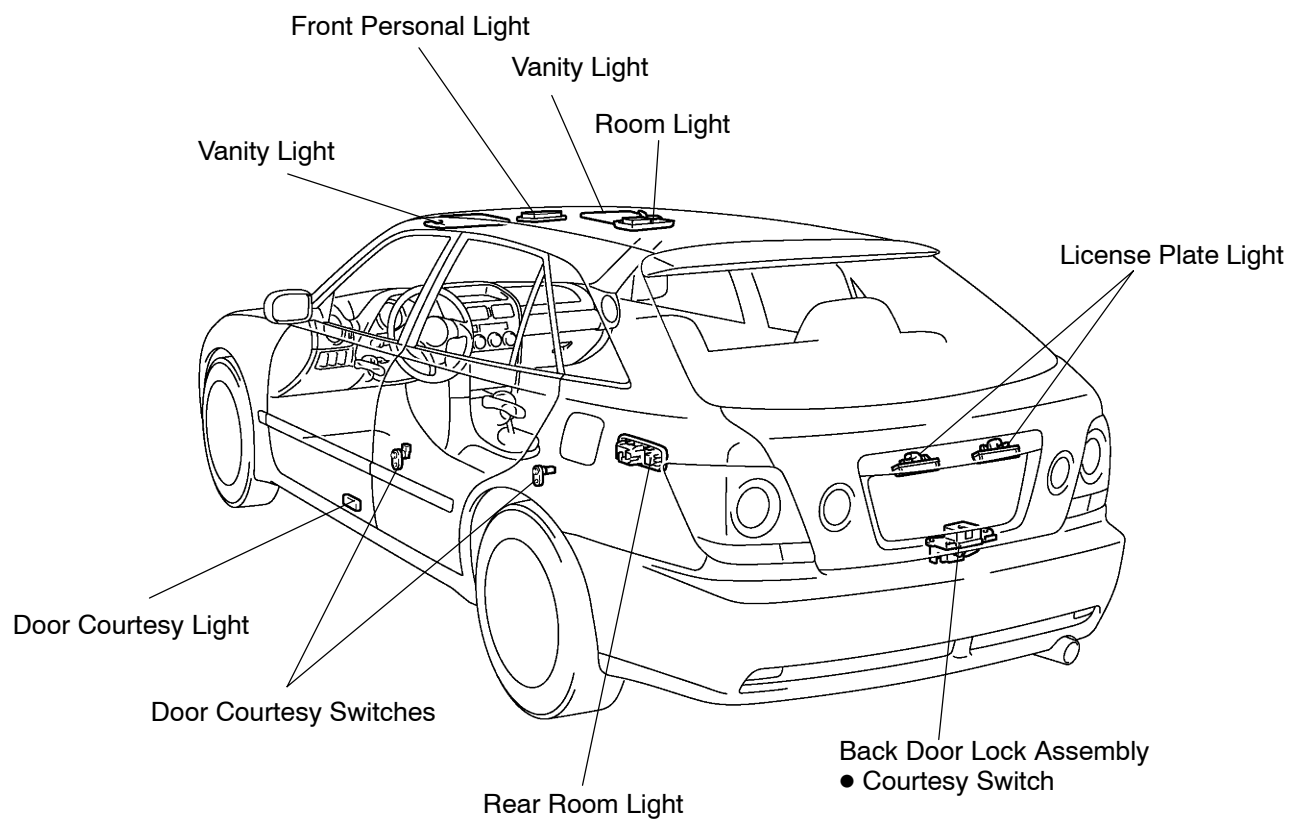
Wagon:

C

I23195

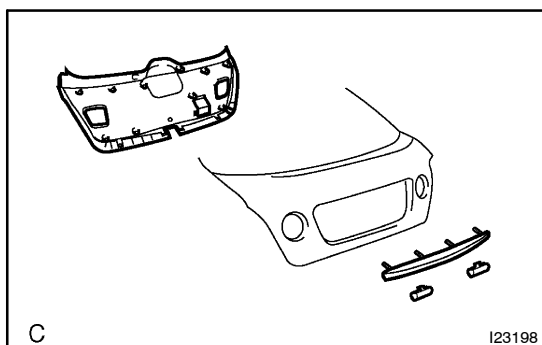
INTERIOR LIGHT SYSTEM LOCATION

BEOGY-08

Wagon:

C

I23196

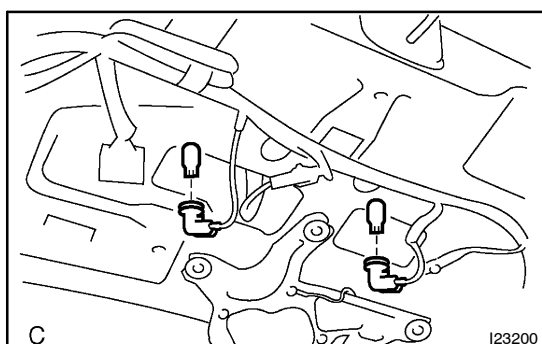
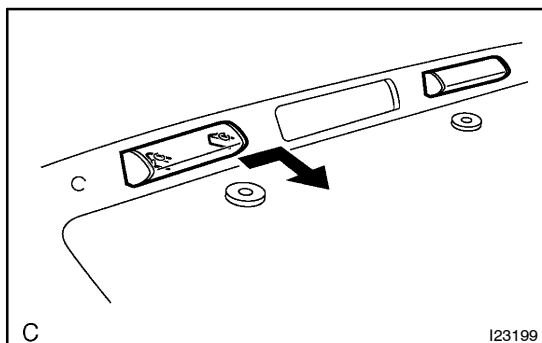


REMOVAL

1. Wagon: REMOVE LICENSE PLATE LIGHT

HINT:

- Installation is in the reverse order of removal. Only if there is a specified procedure for installation it is shown.
 - Follow the same procedure for RH as for LH.
- (a) Remove the back door trim.
 - (b) Remove the 4 nuts.
 - (c) Remove back door outer garnish.
 - (d) Disconnect the connector.
 - (e) Pull the claw towards the inside of the vehicle as shown in the illustration, disconnect the engagement of 2 claws, and remove the license plate light assembly.

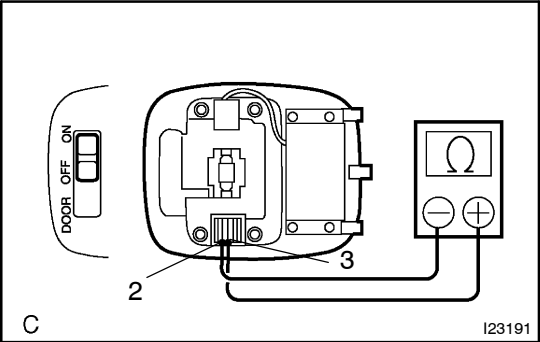


2. Wagon: REMOVE LICENSE PLATE BULB

HINT:

Installation is in the reverse order of removal. Only if there is a specified procedure for installation it is shown.

- (a) Remove the back door trim.
- (b) Disconnect the bulb sockets and remove the bulbs.

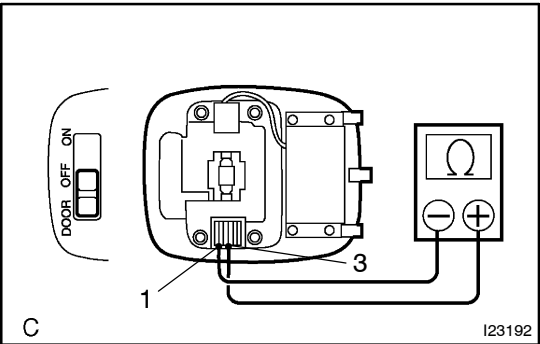


INSPECTION

1. w/ Reader sensor:

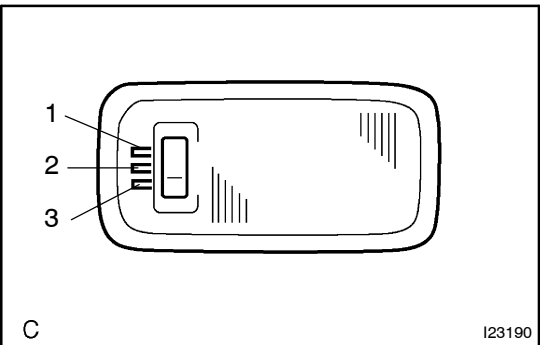
INSPECT ROOM LIGHT CONTINUITY

- (a) Disconnect the connector from the room light.
- (b) Turn the room light switch ON, check that continuity exists between terminal 2 and 3.



- (c) Turn the room light switch DOOR, check that continuity exists between terminals 1 and 3.

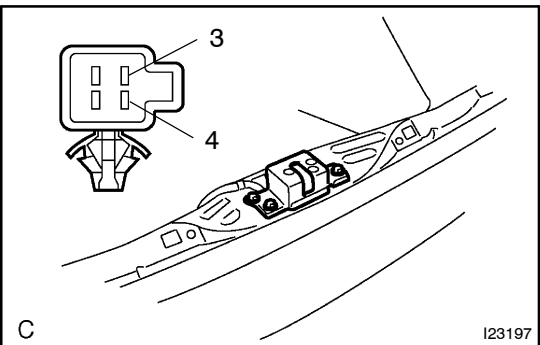
If continuity is not as specified, replace the light assembly or bulb.



2. REAR ROOM LIGHT SWITCH CONTINUITY

Switch position	Tester connection	Specified condition
OFF	1 – 2	No continuity
ON	2 – 3	Continuity

If continuity is not as specified, replace the light assembly or bulb.



3. BACK DOOR COURTESY SWITCH CONTINUITY

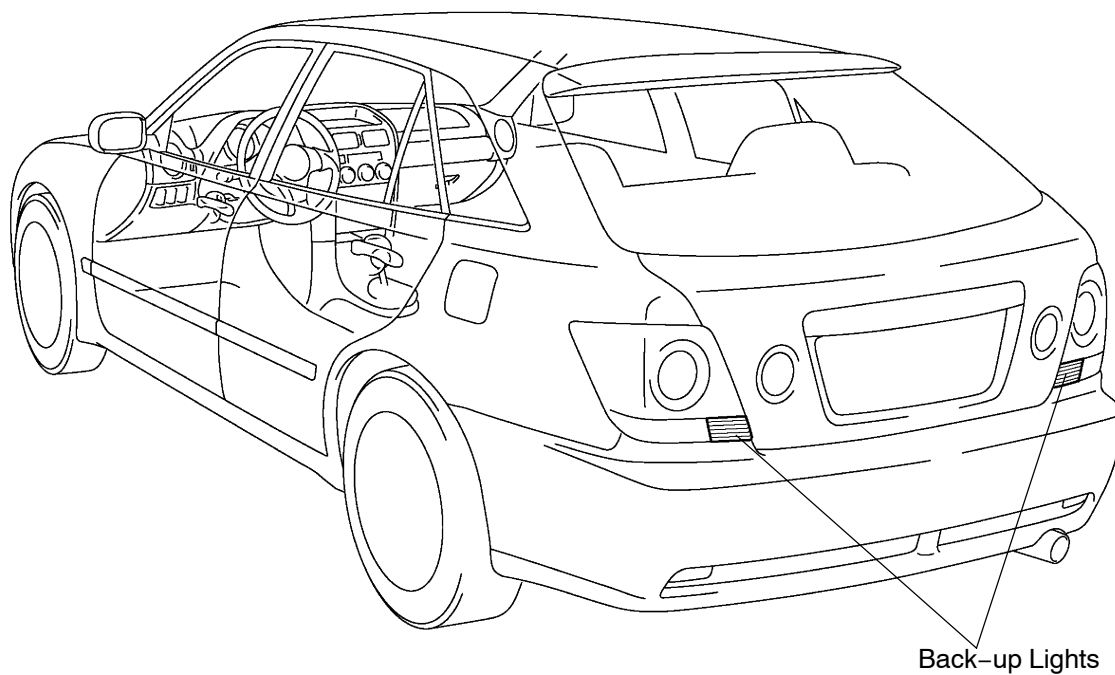
Switch position	Tester connection	Specified condition
OFF (closed)	–	No continuity
ON (opened)	3 – 4	Continuity

If continuity is not as specified, replace the switch.

BACK-UP LIGHT SYSTEM LOCATION

BEOGW-10

Wagon:

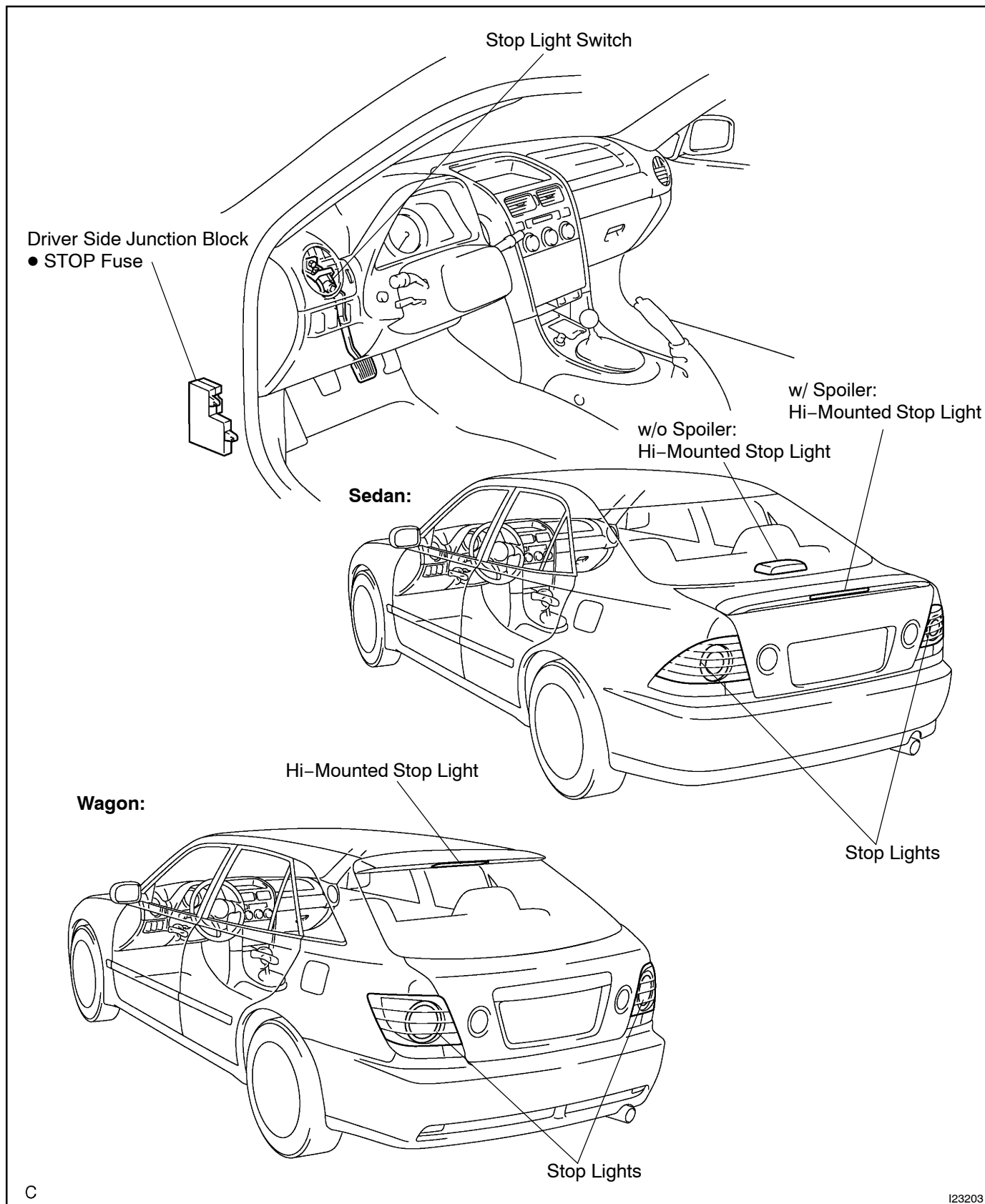


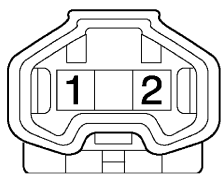
C

I23257

STOP LIGHT SYSTEM LOCATION

BE0H6-10





I08176

INSPECTION

w/ Spoiler:

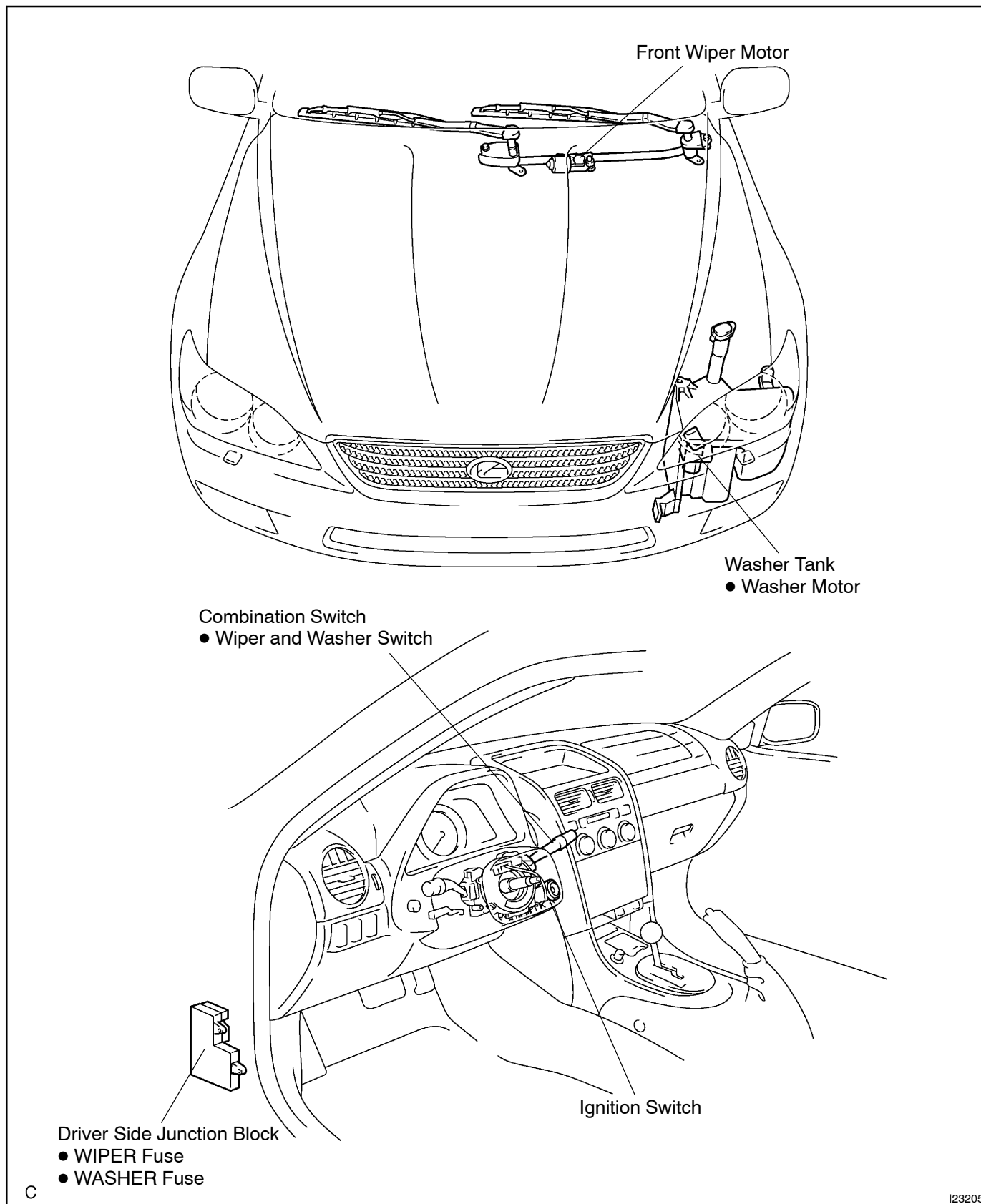
INSPECT HI-MOUNTED STOP LIGHT ASSEMBLY CONTINUITY

Using the ohmmeter, check that continuity exists between terminals.

If continuity is not as specified, replace the bulb or light assembly.

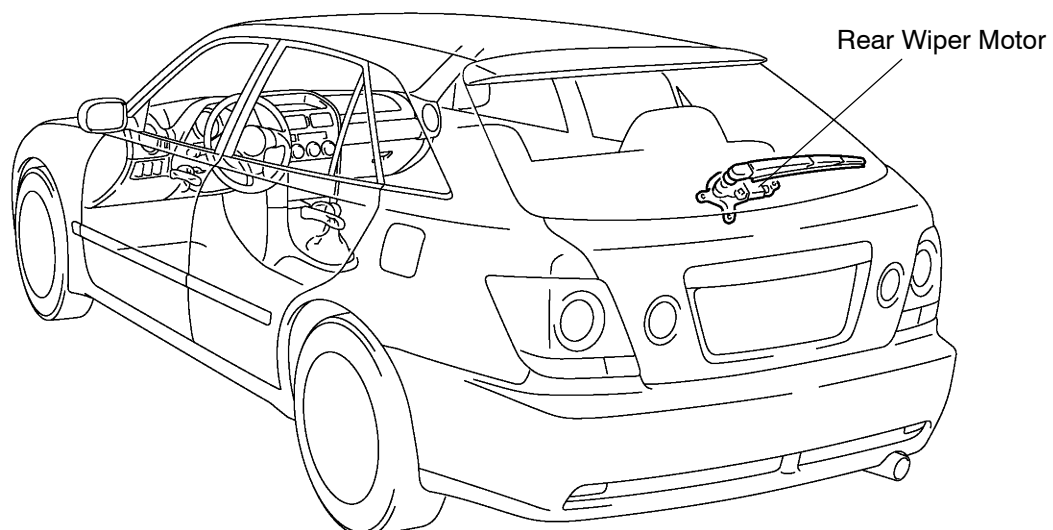
WIPER AND WASHER SYSTEM LOCATION

BE29D-01



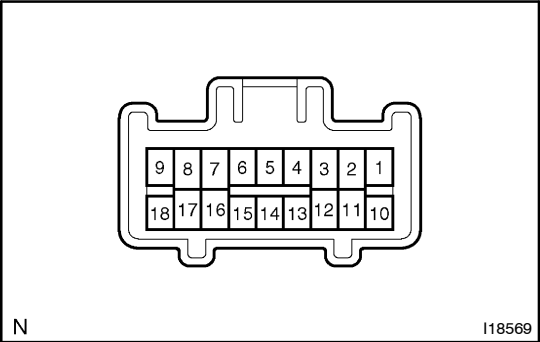
I23205

Wagon:



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I23206



INSPECTION

**1. LHD models:
INSPECT REAR WIPER AND WASHER SWITCH CONTINUITY**

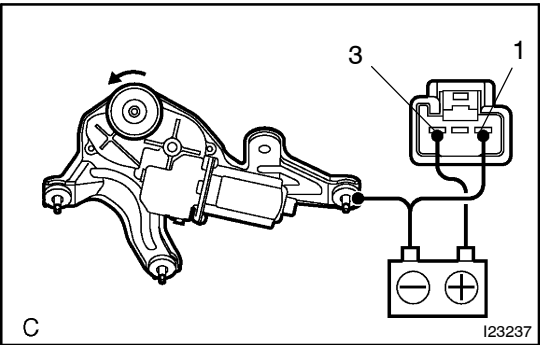
Switch position	Tester connection	Specified condition
OFF	–	Continuity
INT	2 – 13	Continuity
ON	2 – 10	Continuity
Washer OFF	–	No continuity
Washer ON	2 – 12	Continuity

If continuity is not as specified, replace the switch.

**2. RHD models:
INSPECT REAR WIPER AND WASHER SWITCH CONTINUITY**

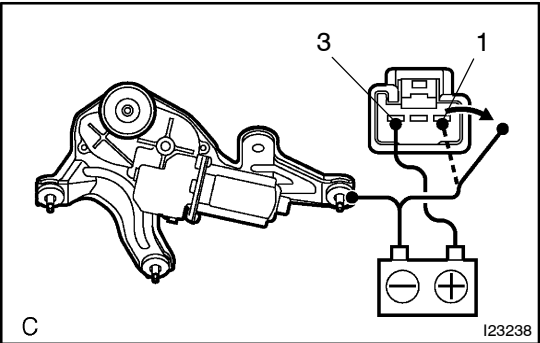
Switch position	Tester connection	Specified condition
OFF	–	Continuity
INT	8 – 15	Continuity
ON	8 – 18	Continuity
Washer OFF	–	No continuity
Washer ON	8 – 16	Continuity

If continuity is not as specified, replace the switch.

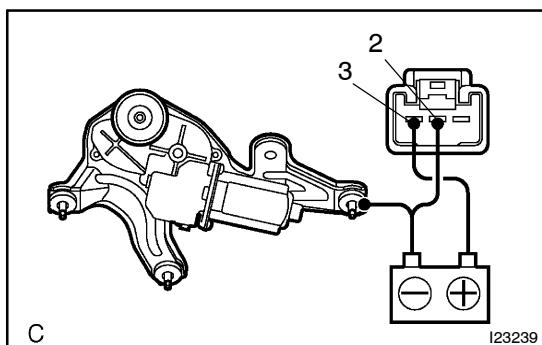


3. INSPECT REAR WIPER MOTOR OPERATION

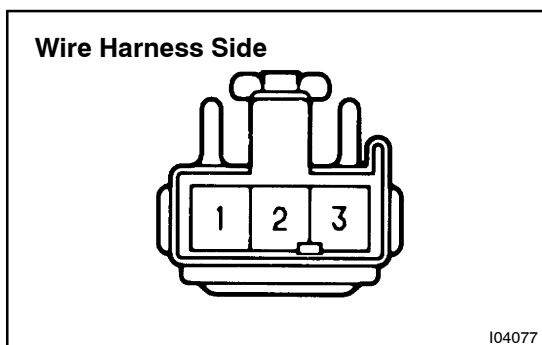
- (a) Connect the positive (+) lead from the battery to terminal 3 and negative (-) lead to terminal 1 and the motor body, check that the motor operates.



- (b) Disconnect the negative (-) lead from terminal 1, check that the motor stops running at the stop position.
If operation is not as specified, replace the motor.

**4. Intermittent:****INSPECT REAR WIPER MOTOR OPERATION**

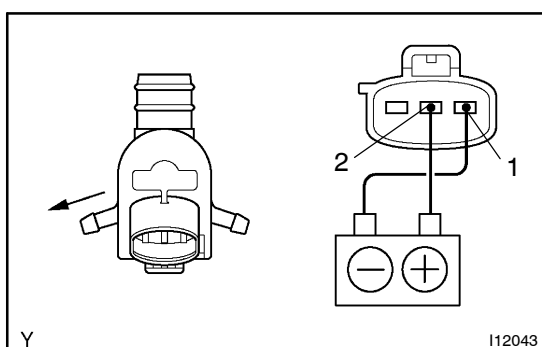
Connect the positive (+) lead from the battery to terminal 3 and the negative (-) lead to terminal 2 and the motor body, check that the motor operates intermittently for 9–15 seconds. If operation is not as specified, replace the motor.

**5. Connector disconnected:****INSPECT REAR WIPER MOTOR CIRCUIT**

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

Tester connection	Condition	Specified condition
1 – Ground	Constant	Continuity
2 – Ground	Constant	Continuity
3 – Ground	Ignition switch OFF or ACC	No voltage
3 – Ground	Ignition switch ON	Battery positive voltage

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

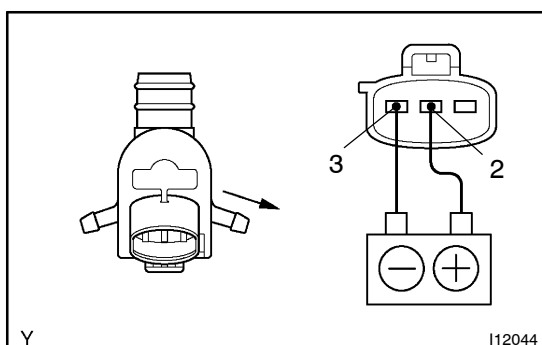
**6. Wagon:****INSPECT FRONT WASHER MOTOR OPERATION**

Connect the positive (+) lead from the battery to terminal 2 and the negative (-) lead to terminal 1, check that the motor operates.

NOTICE:

These tests must be performed quickly (within 20 seconds) to prevent the coil from burning out.

If operation is not as specified, replace the motor.

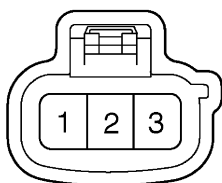
**7. INSPECT REAR WASHER MOTOR OPERATION**

Connect the positive (+) lead from the battery to terminal 2 and the negative (-) lead to terminal 3, check that the motor operates.

NOTICE:

These tests must be performed quickly (within 20 seconds) to prevent the coil from burning out.

If operation is not as specified, replace the motor.

Wire Harness Side

C

I23252

**8. Connector disconnected:
INSPECT WASHER MOTOR CIRCUIT**

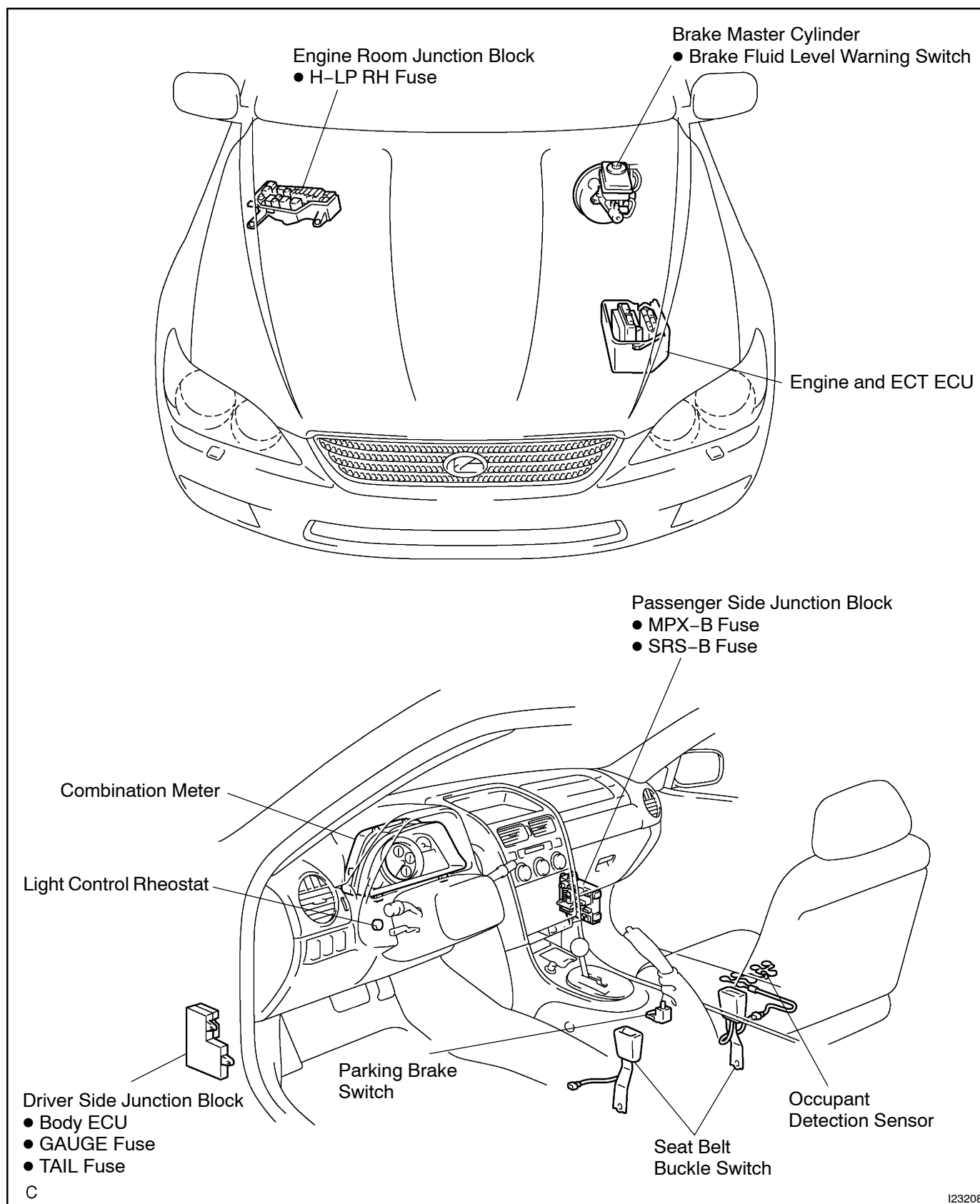
Disconnect the connector from the motor and inspect the connector on the wire harness side, as shown.

Tester connection	Condition	Specified condition
2 – Ground	Ignition switch ON	Battery positive voltage

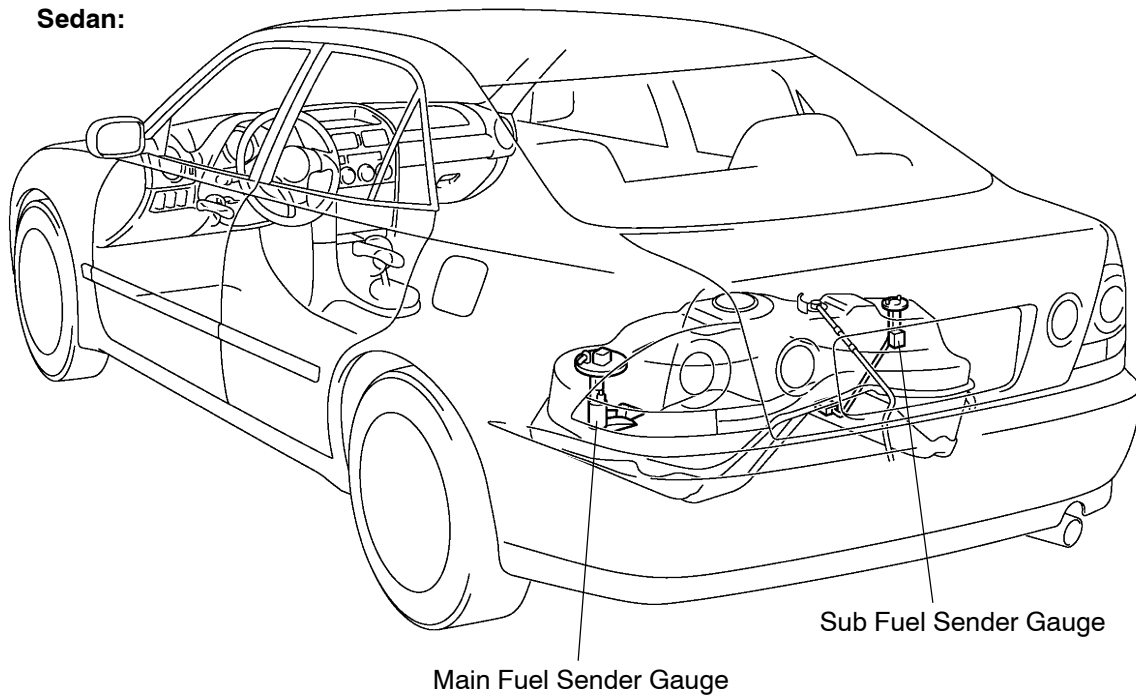
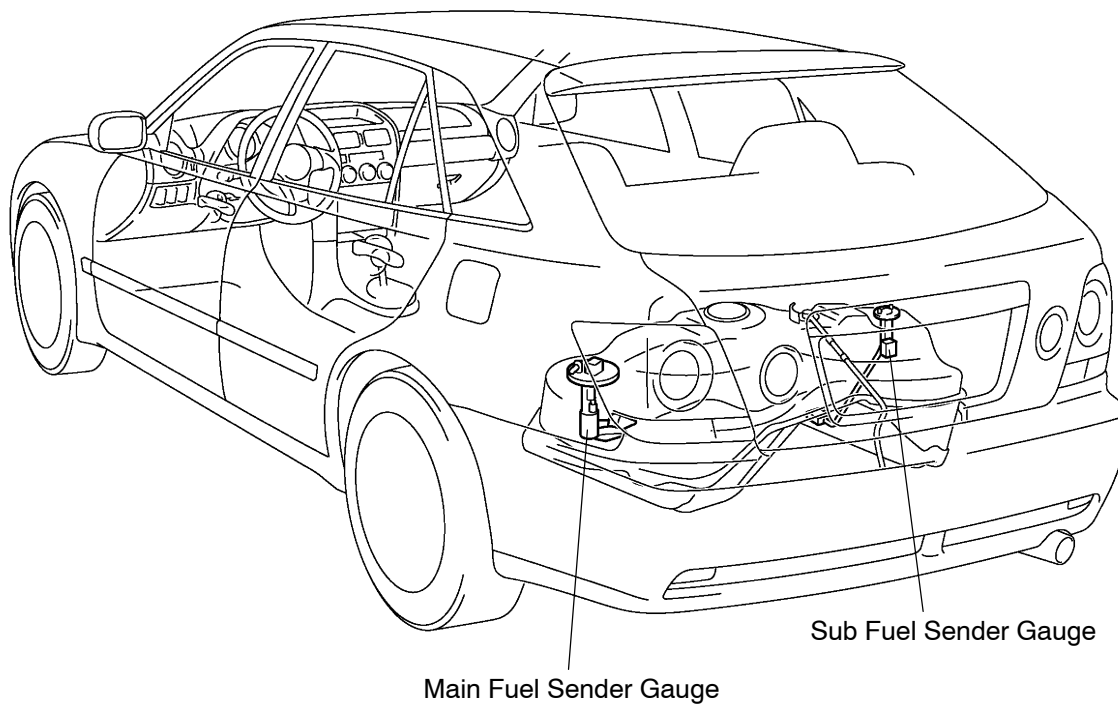
If circuit is not as specified, inspect the power source, wire harness and wiper switch.

COMBINATION METER LOCATION

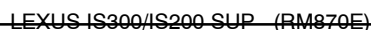
BE0HH-11



I23208

Sedan:**Wagon:**

C



No.		Wiring connector side
A	2	Turn signal light switch (Left)
	3	Turn signal light switch (Right)
	4	HEAD Fuse
	5	Headlight dimmer switch
	6	Brake fluid level warning switch
	7	Engine and ECT ECU
	8	Airbag sensor assembly
	9	ABS ECU
	10	Rheostat light control volume
	11	Headlight beam level control ECU
	12	Speed sensor (M/T) or ABS ECU (A/T)
	13	Speed control unit
	14	Engine and ECT ECU
	15	MPX+B Fuse
	16	SRS+B Fuse
	17	GAUGE Fuse
	18	Power ground
	19	Signal ground
	20	Multiplex communication circuit (MPX+)
	21	Multiplex communication circuit (MPX-)
	22	TAIL Fuse
B	1	Speed signal ground (M/T vehicle only)
	2	6M/T reverse buzzer (M/T vehicle only)
	3	ABS and TRC ECU
	4	ABS and TRC ECU
	5	ABS and TRC ECU (w/ VSC)
	6	Light failure relay
	7	Front fog light switch
	8	Transponder key ECU
	9	Daytime running light relay

INSPECTION

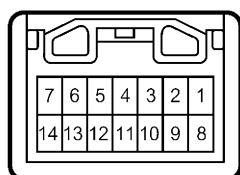
1. INSPECT COMBINATION METER CIRCUIT

Connector connected:

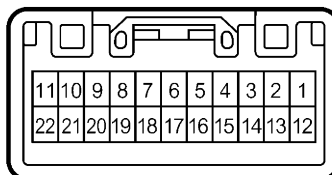
Connect connector "A" and "B" from the combination meter and inspect the connectors on the wire harness side as shown in the table.

Connector connected

Connector B"



Connector A"



I11995

Tester connection	Condition	Specified condition
A2 – Ground (Turn L)	Ignition switch ON and turn signal switch Left	Battery voltage
A3 – Ground (Turn R)	Ignition switch ON and turn signal switch Right	Battery voltage
A4 – Ground (Beam +)	Constant	Battery voltage
A5 – Ground (Beam –)	Headlight dimmer switch HI	Battery voltage
A6 – Ground (BRK level)	Ignition switch ON and Brake fluid level warning switch LO	Battery voltage
A7 – Ground (Check engine)	Ignition switch ON and engine running	Battery voltage
A8 – Ground (SRS)	SRS warning light does not light up	Battery voltage
A9 – Ground (ABS)	Ignition switch ON and ABS warning does not lights up	Battery voltage
A10 – Ground (ILL–)	Light control switch TAIL or HEAD	Continuity
A11 – Ground (Headlight beam level)	Headlight beam level control system is operation	Battery voltage
A12 – Ground (Speed signal input)	Ignition switch ON and turn propeller shaft slowly	Battery voltage
A13 – Ground (Speed signal output)	Ignition switch ON and turn propeller shaft slowly	1 V to 4.5 – 5.5 V
A14 – Ground (Tachometer signal)	Engine running	Pulse generation *1
A15 – Ground (MPX +B)	Constant	Battery voltage

A16 – Ground (DOME +B)	Constant	Battery voltage
A17 – Ground (IGN)	Ignition switch ON	Battery voltage
A18 – Ground (Power ground)	Constant	Continuity
A19 – Ground (Signal ground)	Constant	Continuity
A20 – Ground (MPX+)	Ignition switch ON	Pulse generation
A21 – Ground (MPX-)	Ignition switch ON	Pulse generation
A22 – Ground (ILL+)	Light control switch TAIL or HEAD	Battery voltage
B1 – Ground (SP ground)	Constant	Continuity
B2 – Ground (6M/T R buzzer)	Ignition switch ON and shift lever except R range	Battery voltage
B3 – Ground (TRC OFF)	Ignition switch ON and TRC OFF indicator does not light up	Battery voltage
B4 – Ground (SLIP)	Ignition switch ON and SLIP indicator does not light up	Battery voltage
B5 – Ground (VSC)	Ignition switch ON and VSC indicator does not light up	Battery voltage
B6 – Ground (Rear Lights)	Ignition Switch ON and rear lights bulb is blown	Battery voltage
B7 – Ground (Front Fog)	Light control switch TAIL and Front fog light Switch ON	Battery voltage
B8 – Ground (Security)	Theft deterrent system is operating	Battery voltage
B9 – Ground (Alternator L terminal)	Engine running	Battery voltage

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

2. INSPECT SPEEDOMETER/ON-VEHICLE

Using a speedometer tester, inspect the speedometer for allowable indication error and check the operation of the odometer.

HINT:

Tire wear and tire over or under inflation will increase the indication error.

Europe Models

(mph)		(km/h)	
Standard indication	Allowable range	Standard indication	Allowable range
20	21 – 23.5	20	21 – 25
40	41.5 – 44	40	41.5 – 46
60	62.5 – 66	60	62.5 – 67
80	83 – 87	80	83 – 88
100	104 – 108.5	100	104 – 109
120	125 – 130	120	125 – 130.5
140	146 – 151.5	140	145.5 – 151.5
–	–	160	166 – 173
–	–	180	186.5 – 194.5
–	–	200	207 – 216
–	–	220	227.5 – 237.5
–	–	240	248 – 259

Australia

(mph)		(km/h)	
Standard indication	Allowable range	Standard indication	Allowable range
–	–	20	17.5 – 21.5
–	–	40	38 – 42
–	–	60	58 – 63
–	–	80	78 – 84
–	–	100	99 – 104.5
–	–	120	119.5 – 125.5
–	–	140	139.5 – 146.5
–	–	160	159.5 – 167.5
–	–	180	179.5 – 188.5
–	–	200	199.5 – 209.5
–	–	220	219.5 – 230.5
–	–	240	239.5 – 251.5

If error is excessive, replace the speedometer.

3. INSPECT TACHOMETER/ON-VEHICLE

(a) Connect a tune-up test tachometer, and start the engine.

NOTICE:

- **Reversing the connection of the tachometer will damage the transistors and diodes inside.**
- **When removing or installing the tachometer, be careful not to drop or subject it to heavy shocks.**

(b) Compare the tester and tachometer indications.

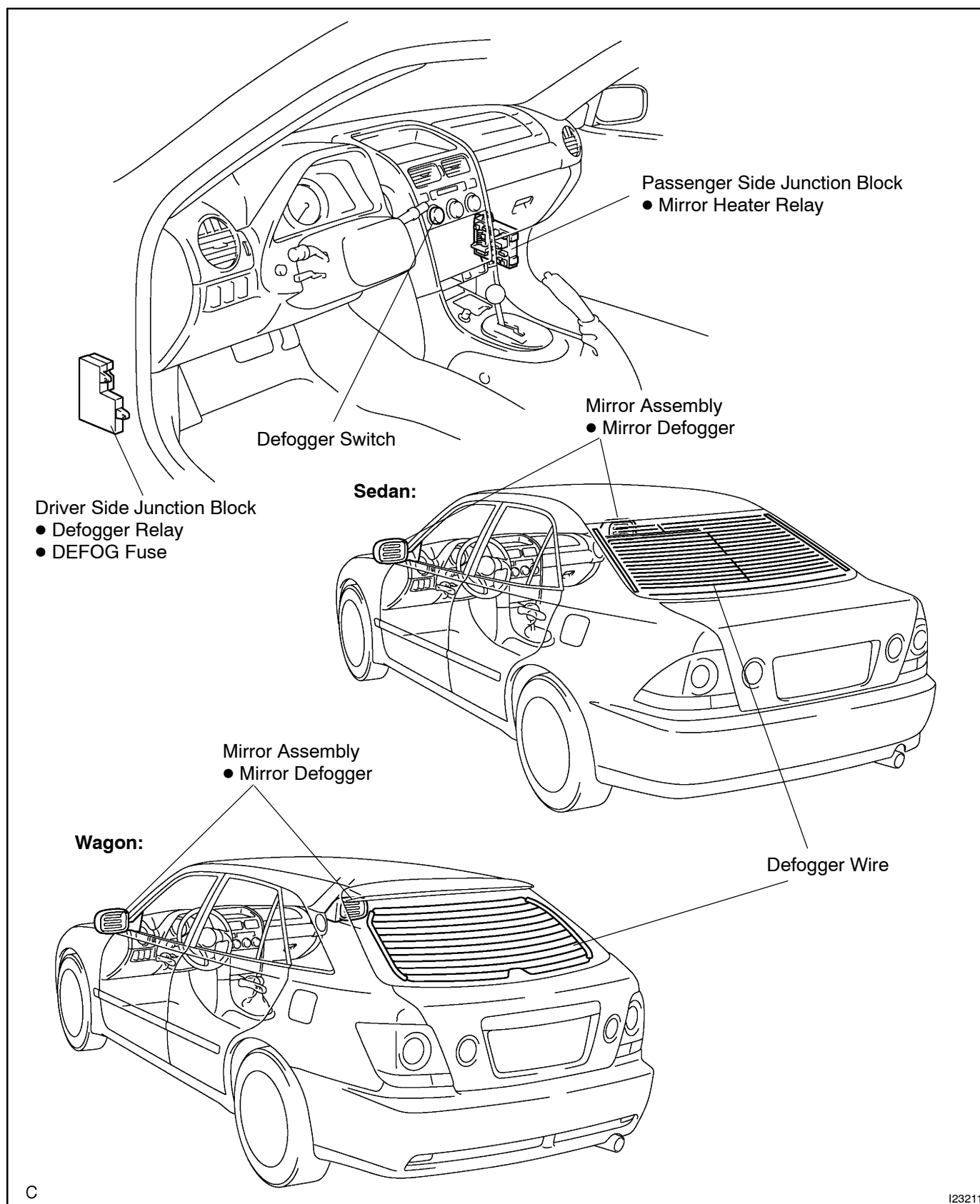
DC 13.5 V 25 °C at (77 °F)

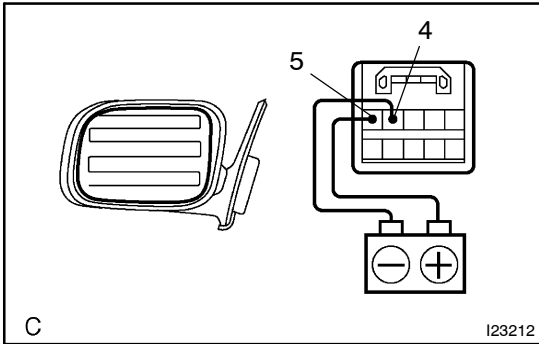
Standard indication	Allowable range
700	630 – 770
1,000	(900 – 1,100)
2,000	(1,850 – 2,150)
3,000	2,850 – 3,150
4,000	(3,800 – 4,200)
5,000	4,800 – 5,200
6,000	(5,750 – 6,250)
7,000	6,700 – 7,300
8,000	7,700 – 8,300

DEFOGGER SYSTEM

LOCATION

BE0GS-15





INSPECTION

w/ Mirror heater:

INSPECT MIRROR DEFOGGER OPERATION

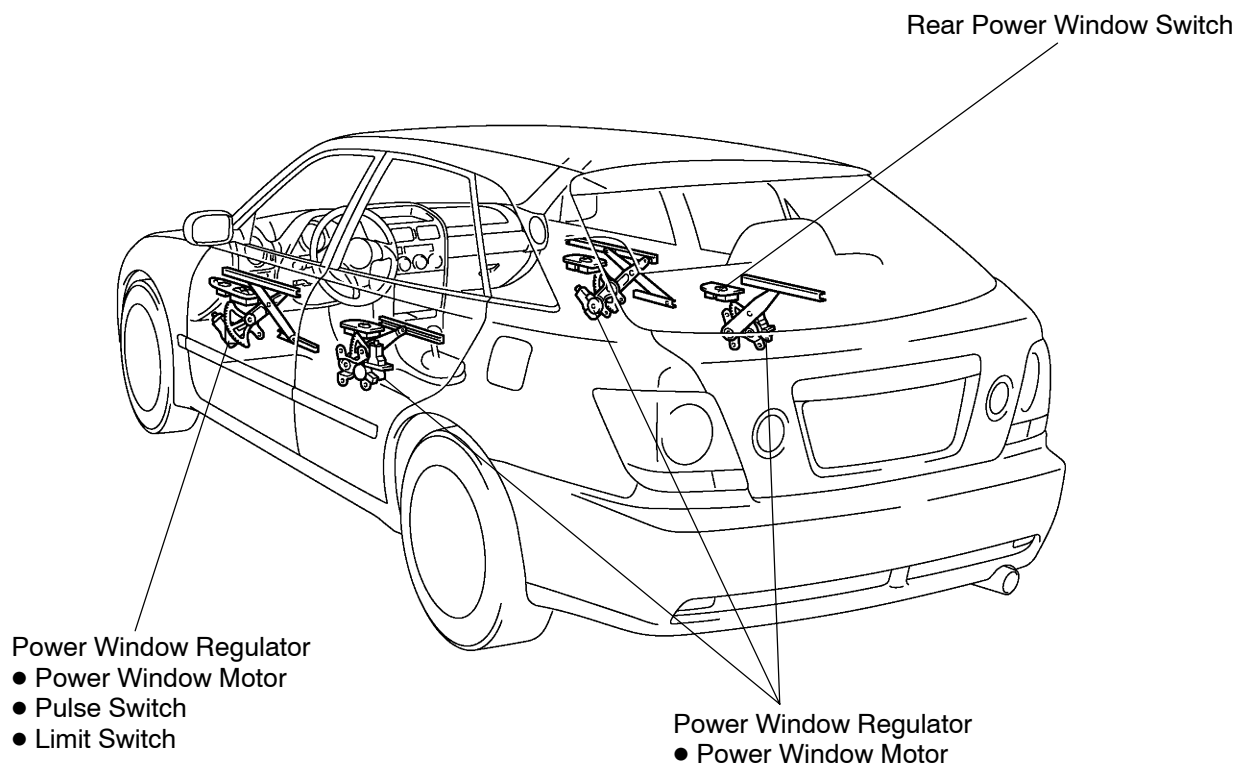
- Connect the positive (+) lead from the battery to terminal 5 and the negative (-) lead to terminal 4.
- Check that the mirror becomes warm.

HINT:

It will take a short time for the mirror to become warm.

POWER WINDOW CONTROL SYSTEM LOCATION

BE0HE-16

Wagon:

C

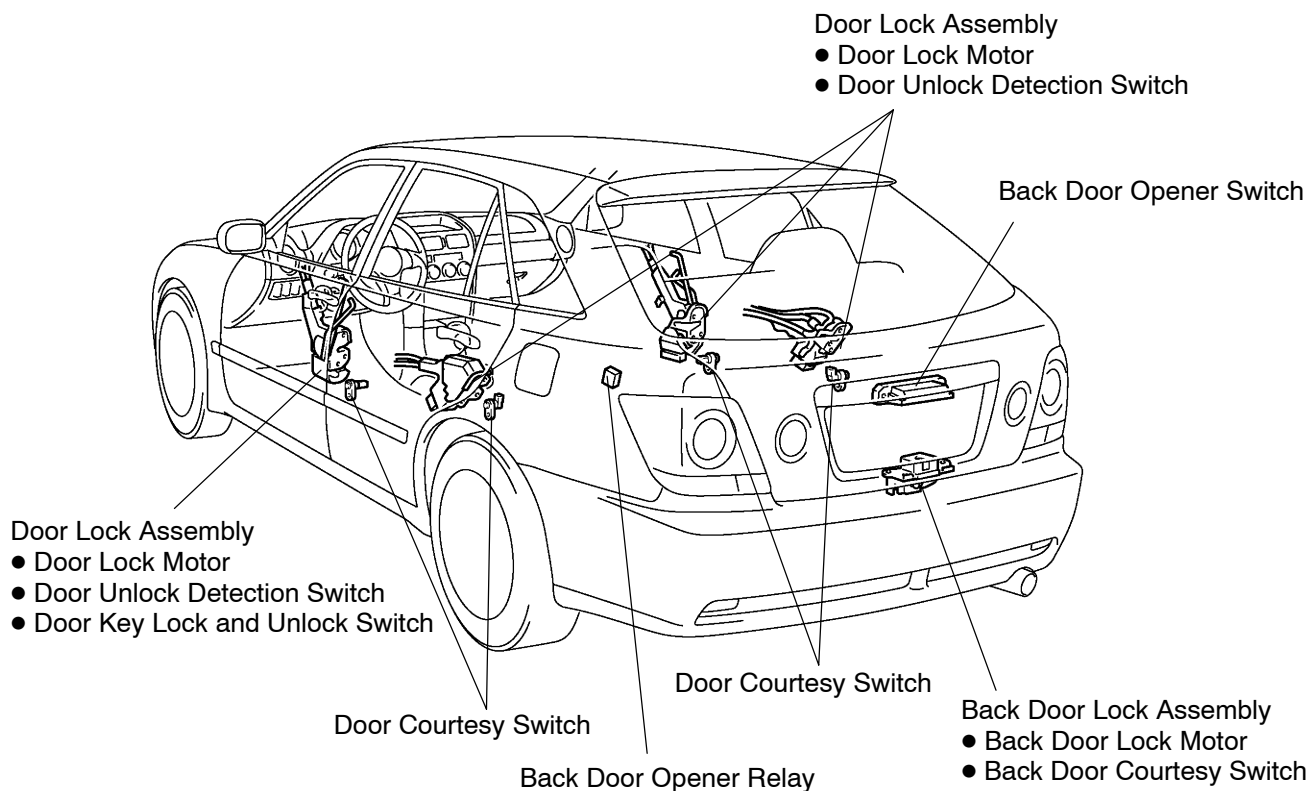
I23217

POWER DOOR LOCK CONTROL SYSTEM

LOCATION

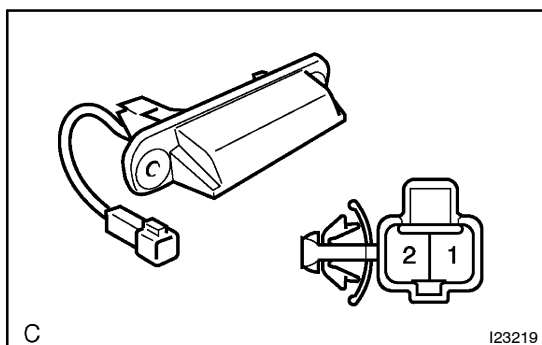
BE0HQ-15

Wagon:



C

I23218

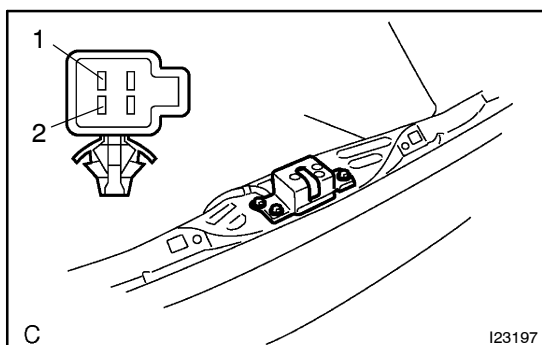


INSPECTION

1. INSPECT BACK DOOR OPENER SWITCH CONTINUITY

Switch position	Tester connection	Specified condition
OFF	-	No continuity
ON	1 - 2	Continuity

If continuity is not as specified, replace the door lock assembly.



2. INSPECT BACK DOOR OPENER MOTOR OPERATION

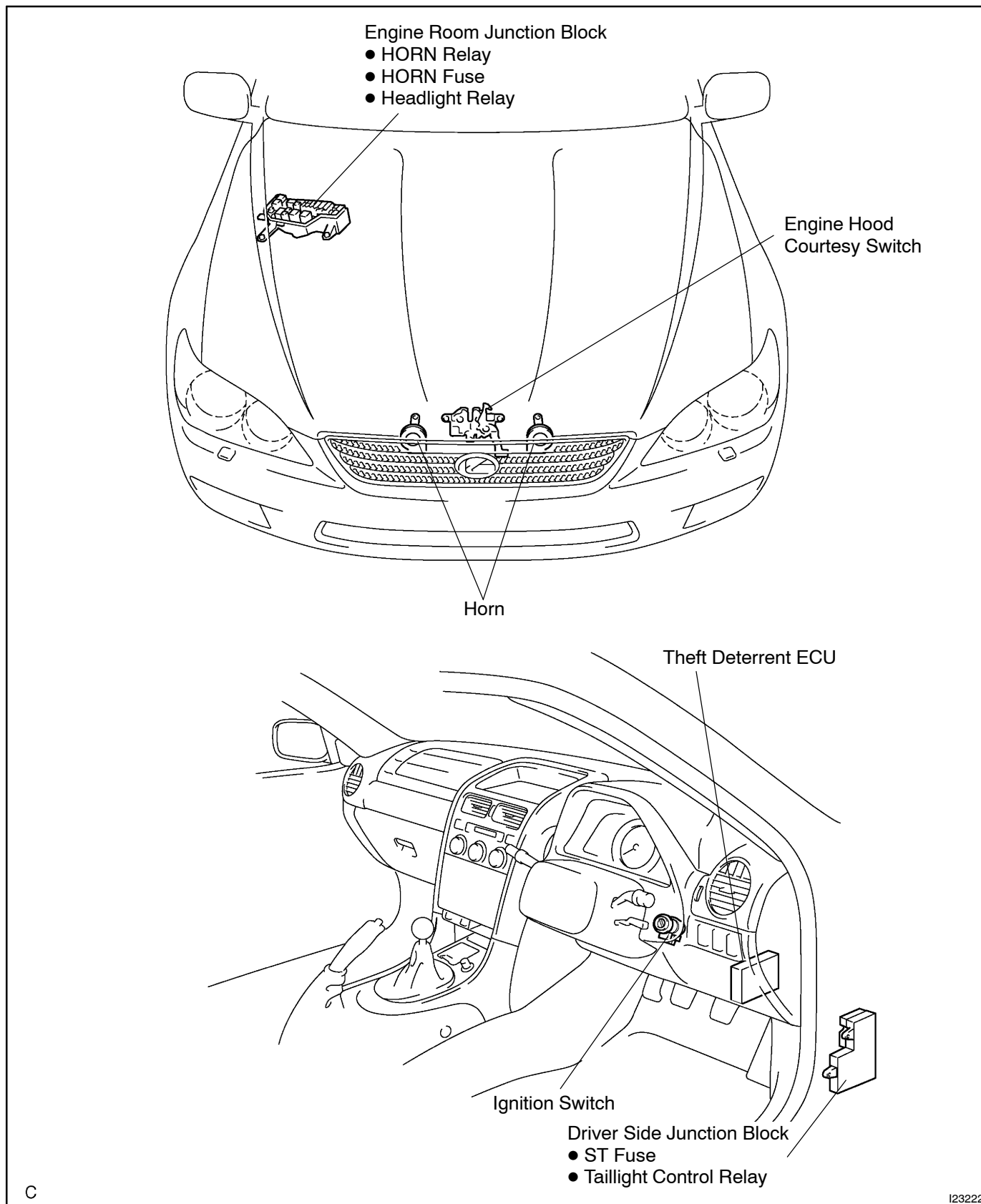
Connect positive (+) lead to the terminal 1 and negative (-) lead to the terminal 2, and check that the motor operates.

If operation is not as specified, replace the motor assembly.

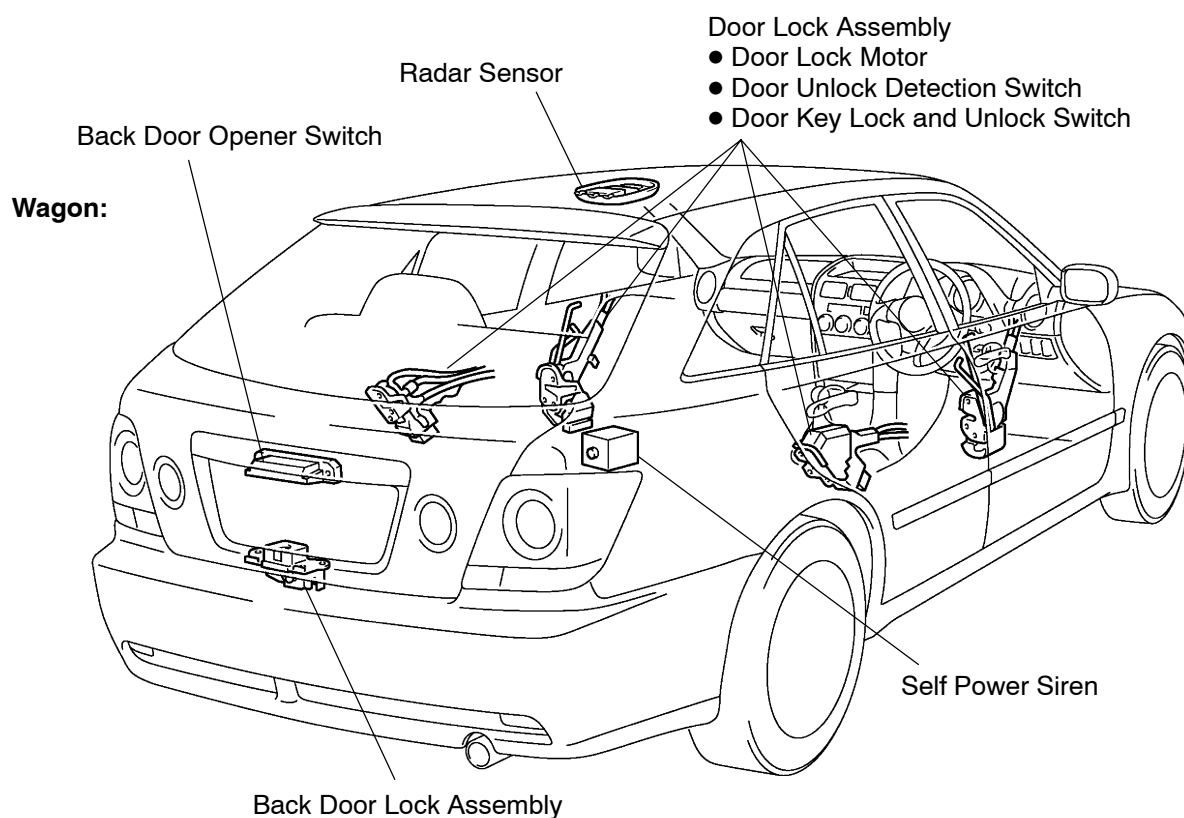
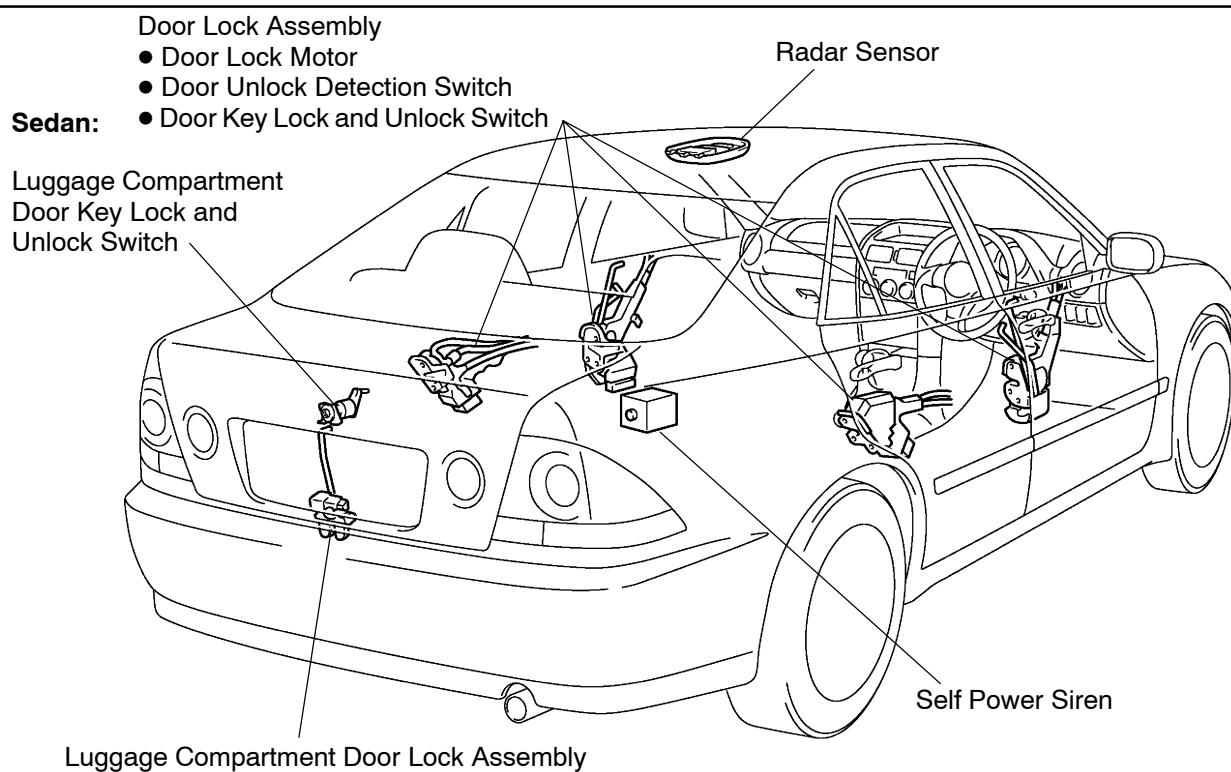
THEFT DETERRENT SYSTEM

LOCATION

BE29J-01



I23222

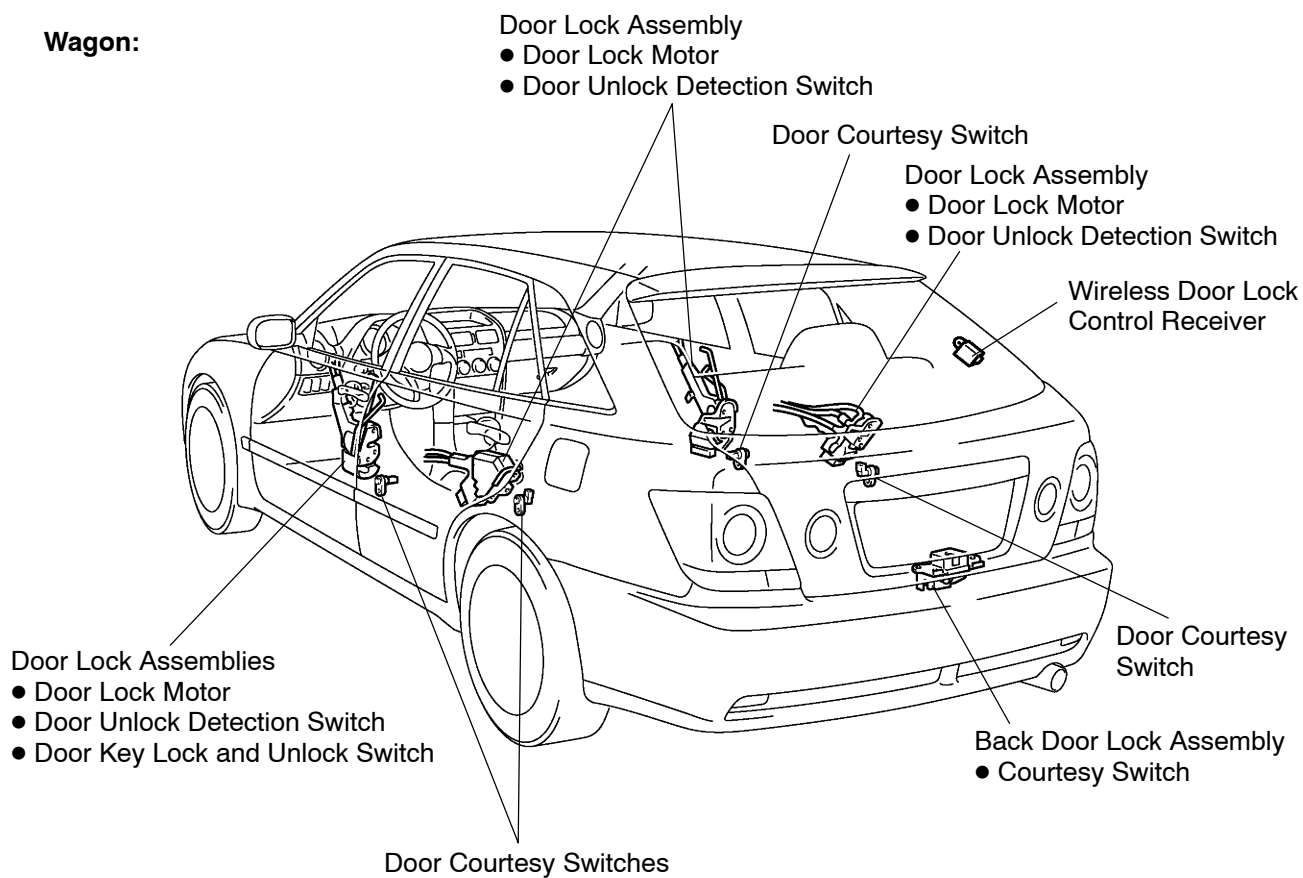


WIRELESS DOOR LOCK CONTROL SYSTEM

LOCATION

BEOGM-12

Wagon:



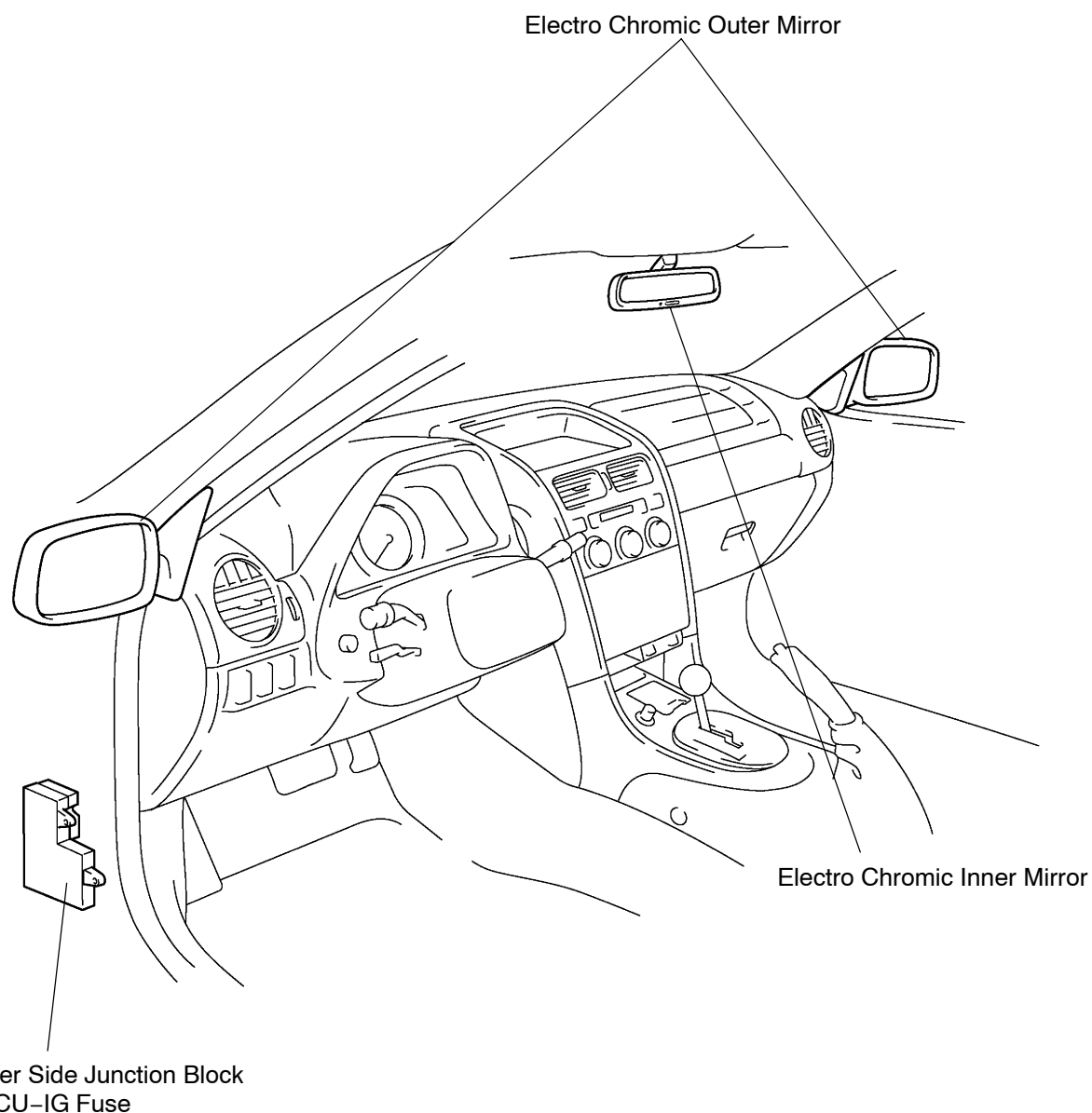
C

I23224

ELECTRO CHROMIC MIRROR SYSTEM

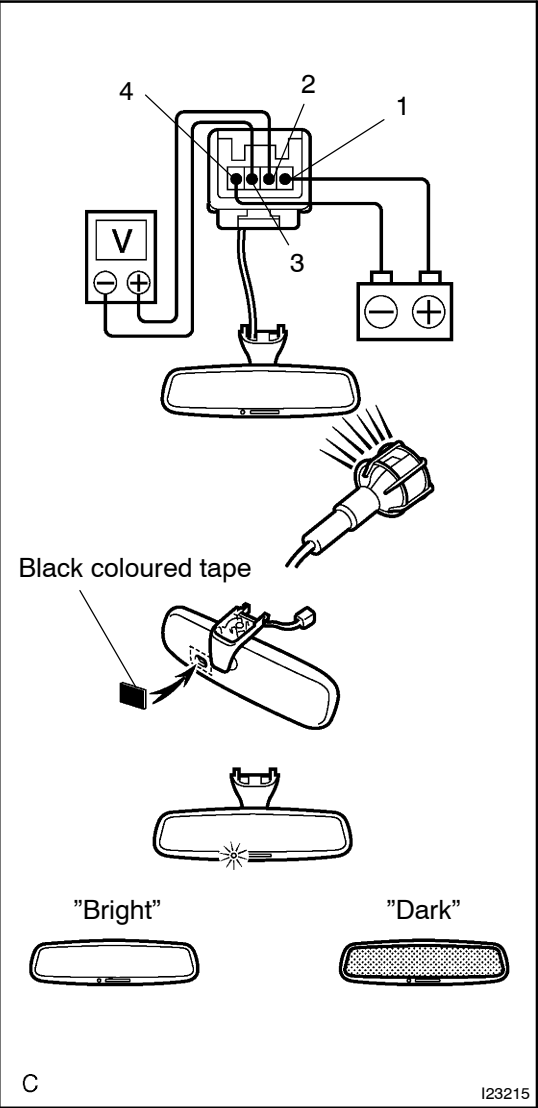
LOCATION

BE0HC-11



C

I23214

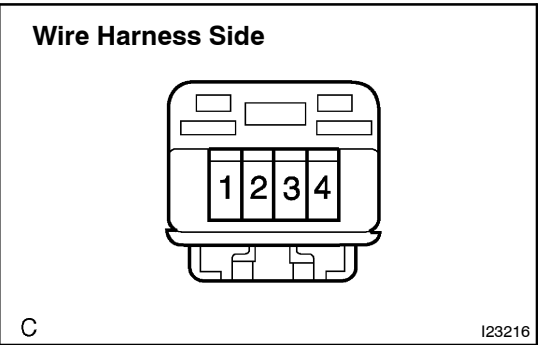


INSPECTION

1. INSPECT ELECTRO CHROMIC INNER MIRROR OPERATION

- Connect the positive (+) lead from the battery to terminal 1 and the negative (–) lead to terminal 4.
- Connect the positive (+) lead from the voltmeter to terminal 2 and the negative (–) lead to terminal 3.
- Attach a black coloured tape to forward sensor to prevent it from sensing.
- When the mode is turned to AUTO, check that indicator light lights up.
- Light up the mirror with an electric light, and check that there is battery positive voltage and mirror surface changes "bright" to "dark".

If operation is not as specified, replace the inner mirror.

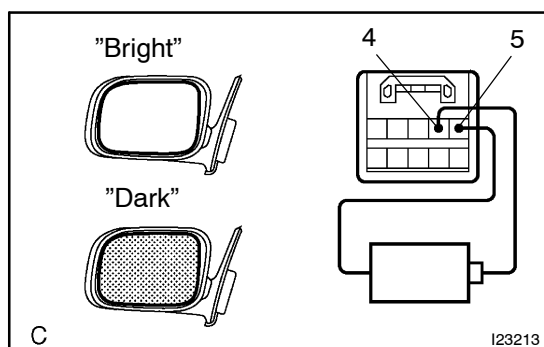


2. INSPECT ELECTRO CHROMIC INNER MIRROR CIRCUIT

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

Tester connection	Condition	Specified condition
4 – Ground	Constant	Continuity
1 – Ground	Ignition switch LOCK or ACC	No voltage
1 – Ground	Ignition switch ON	Battery positive voltage

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



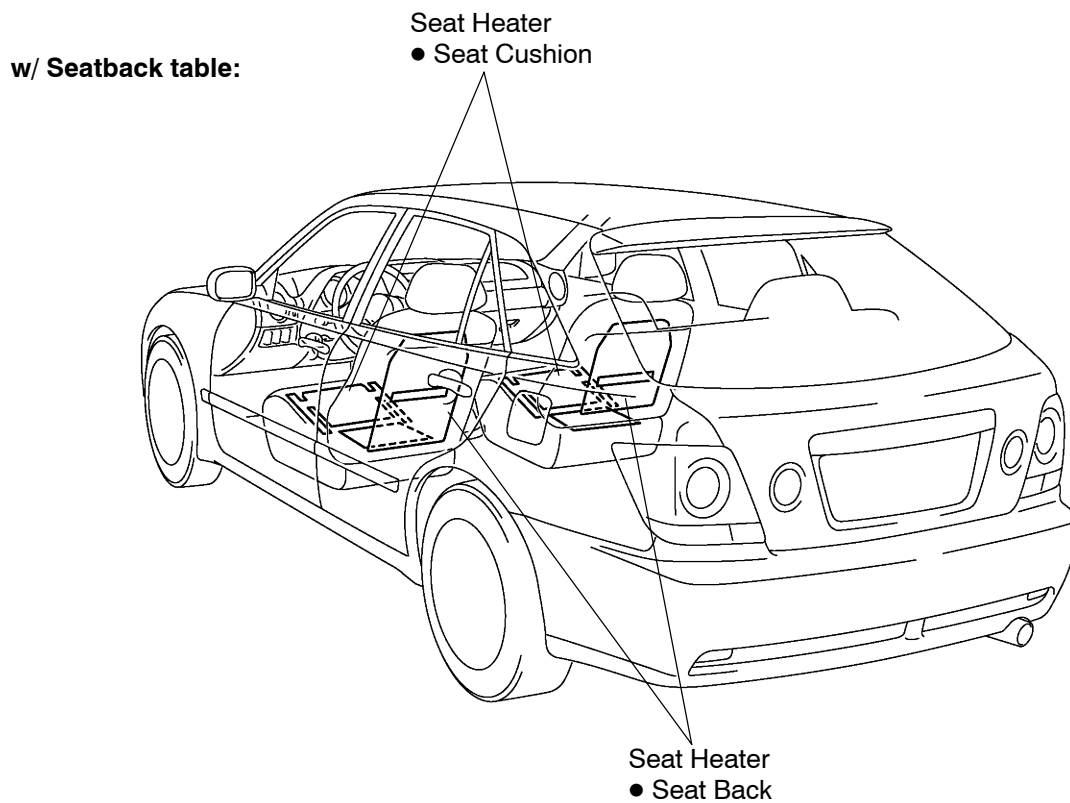
3. INSPECT ELECTRO CHROMIC OUTER MIRROR OPERATION

- (a) Disconnect the outer mirror connector.
- (b) Connect the positive (+) lead from the dry cell battery to terminal 4 and the negative (-) lead to terminal 5, then check that the mirror surface changes to "dark".
- (c) Check the mirror turns to "bright" after disconnecting the battery.

If operation is not as specified, replace the mirror assembly.

SEAT HEATER SYSTEM LOCATION

BEOGH-17



C

I23226