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INTERIOR LIGHTING SYSTEM

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PRECAUTION

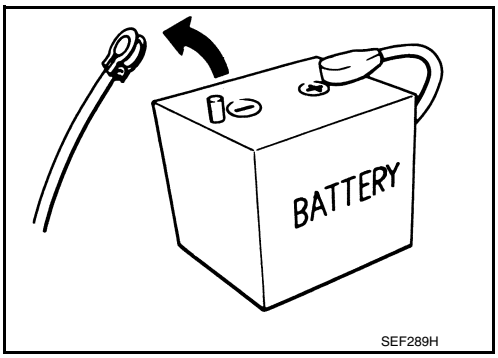
PRECAUTIONS

Precautions for Removing Battery Terminal

INFOID:0000000013551360

When disconnecting the battery terminal, pay attention to the following.

- Always use a 12V battery as power source.
- Never disconnect battery terminal while engine is running.
- When removing the 12V battery terminal, turn OFF the ignition switch and wait at least 30 seconds.
- For vehicles with the engine listed below, remove the battery terminal after a lapse of the specified time:



BR08DE	: 4 minutes	YD25DDTi	: 2 minutes
D4D engine	: 20 minutes	YS23DDT	: 4 minutes
HRA2DDT	: 12 minutes	YS23DDTT	: 4 minutes
K9K engine	: 4 minutes	ZD30DDTi	: 60 seconds
M9R engine	: 4 minutes	ZD30DDTT	: 60 seconds
R9M engine	: 4 minutes		
V9X engine	: 4 minutes		

NOTE:
ECU may be active for several tens of seconds after the ignition switch is turned OFF. If the battery terminal is removed before ECU stops, then a DTC detection error or ECU data corruption may occur.

- After high-load driving, if the vehicle is equipped with the V9X engine, turn the ignition switch OFF and wait for at least 15 minutes to remove the battery terminal.

NOTE:
- Turbocharger cooling pump may operate in a few minutes after the ignition switch is turned OFF.
- Example of high-load driving
  - Driving for 30 minutes or more at 140 km/h (86 MPH) or more.
  - Driving for 30 minutes or more on a steep slope.

- For vehicles with the 2-batteries, be sure to connect the main battery and the sub battery before turning ON the ignition switch.

NOTE:
If the ignition switch is turned ON with any one of the terminals of main battery and sub battery disconnected, then DTC may be detected.

- After installing the 12V battery, always check "Self Diagnosis Result" of all ECUs and erase DTC.

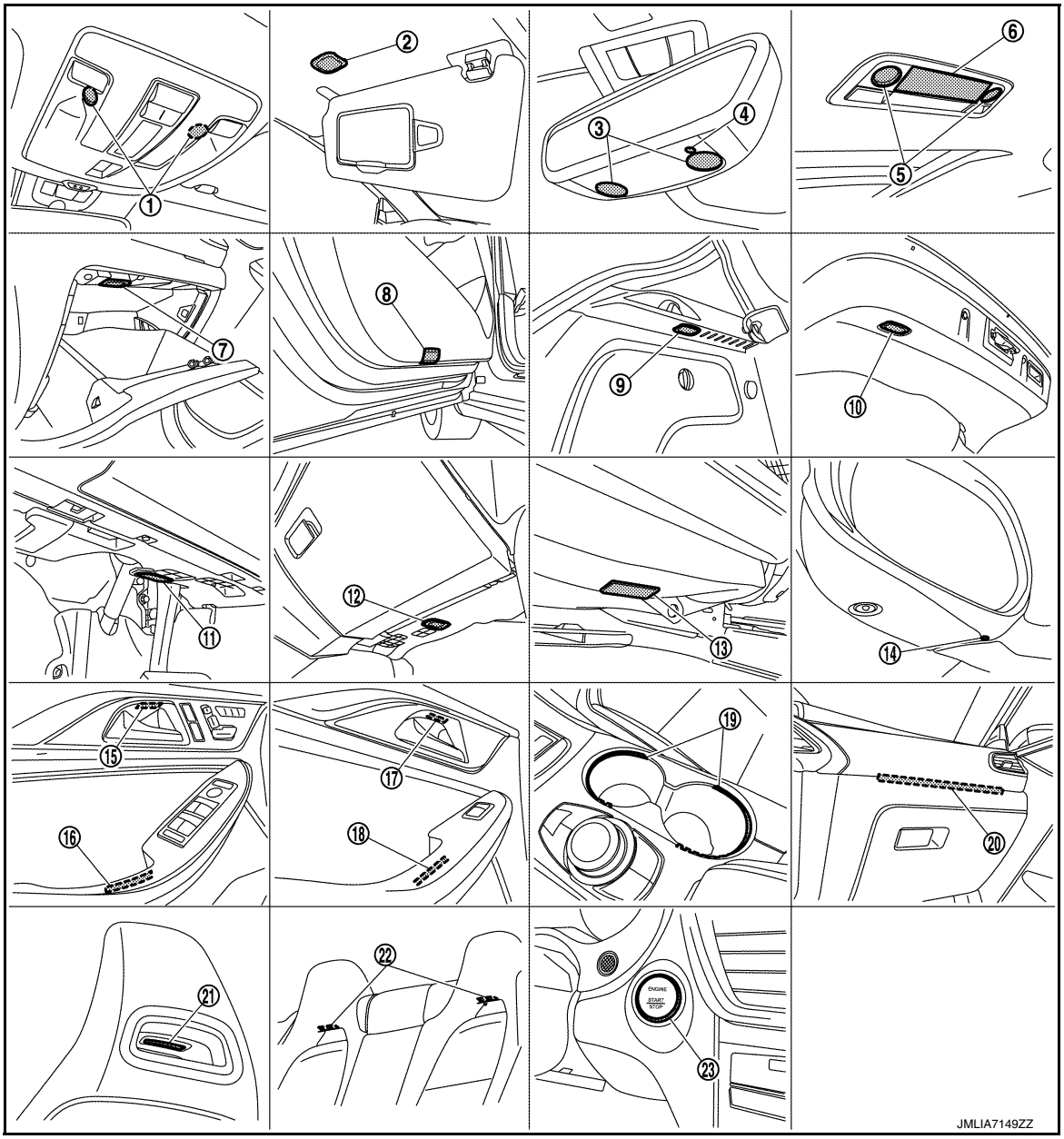
NOTE:
The removal of 12V battery may cause a DTC detection error.

SYSTEM DESCRIPTION

COMPONENT PARTS

Interior Lamp Appearance and Bulb Specifications

INFOID:0000000013551361



No.	Item	Type	Wattage (W)
①	Front map lamp	LED	—
②	Vanity mirror lamp	Wedge	5.0
③	Inside mirror lamp	LED	—
④	Ambient lamp (inside mirror)*1	LED	—
⑤	Rear map lamp*1	Wedge	5.0
⑥	Room lamp (with rear map lamp)	Wedge	10.0
	Room lamp (without rear map lamp)	Wedge	6.0
⑦	Glove box lamp	LED	—
		Wedge	5.0

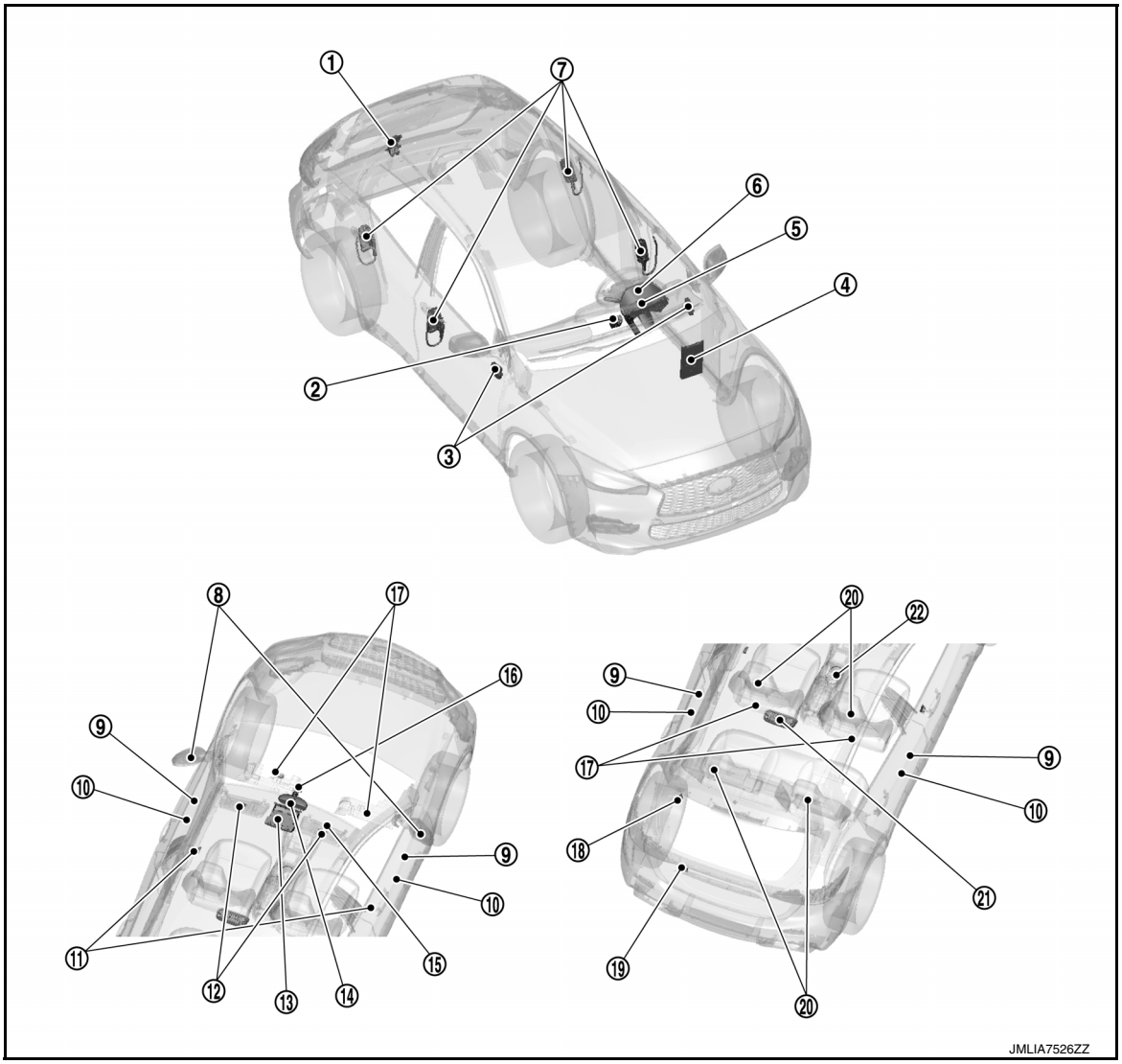
No.	Item	Type	Wattage (W)
⑧	Step lamp*1	Wedge	5.0
⑨	Luggage room lamp	Wedge	5.0
⑩	Back door lamp	Wedge	5.0
⑪	Front foot lamp (driver side)*1	LED	—
⑫	Front foot lamp (passenger side)*1	LED	—
⑬	Rear foot lamp*1	LED	—
⑭	Ambient lamp (outside mirror)*1	LED	—
⑮	Ambient lamp (front inside handle)*1	LED	—
⑯	Ambient lamp (front door grip)*1	LED	—
⑰	Ambient lamp (rear inside handle)*1	LED	—
⑱	Ambient lamp (rear door grip)*1	LED	—
⑲	Ambient lamp (cup holder)*1	LED	—
⑳	Ambient lamp (instrument panel)*1	LED	—
㉑	Ambient lamp (front seat)*1	LED	—
㉒	Ambient lamp (rear seat)*1	LED	—
㉓	Push-button ignition switch illumination*2	LED	—

*1: If equipped

*2: With Intelligent Key System

Component Parts Location

INFOID:0000000013551362



No.	Component	Function
①	Back door lock assembly	Refer to INL-7, "Component Parts Location".
②	Electronic ignition switch control unit	Refer to INL-7, "Component Parts Location".
③	Front door control unit	Refer to INL-7, "Component Parts Location".
④	BCM	Refer to INL-7, "Component Parts Location".
⑤	Combination meter	Transmits interior room lamp delay setting signal to BCM via CAN communication.
⑥	Steering column control module	Refer to INL-7, "Component Parts Location".
⑦	Door lock assembly	Refer to INL-7, "Component Parts Location".
⑧	Outside mirror lamp	Refer to INL-5, "Interior Lamp Appearance and Bulb Specifications".
⑨	Ambient lamp (inside handle)	Refer to INL-5, "Interior Lamp Appearance and Bulb Specifications".
⑩	Ambient lamp (door grip)	Refer to INL-5, "Interior Lamp Appearance and Bulb Specifications".
⑪	Step lamp	Refer to INL-5, "Interior Lamp Appearance and Bulb Specifications".
⑫	Vanity mirror lamp	Refer to INL-5, "Interior Lamp Appearance and Bulb Specifications".
⑬	Overhead control panel control unit (front map lamp)	• Refer to INL-8, "Overhead Control Panel Control Unit". • Refer to INL-5, "Interior Lamp Appearance and Bulb Specifications".

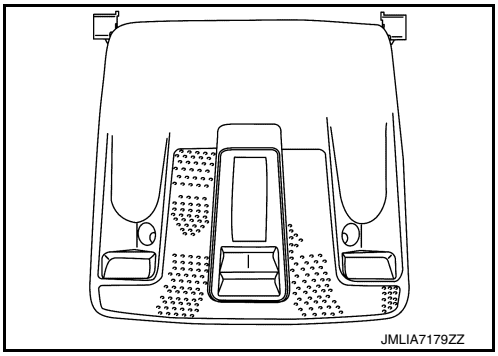
No.	Component	Function
⑭	Inside mirror lamp	Refer to INL-5, "Interior Lamp Appearance and Bulb Specifications".
⑮	Ambient lamp (instrument panel)	Refer to INL-5, "Interior Lamp Appearance and Bulb Specifications".
⑯	Light & rain sensor	Refer to INL-7, "Component Parts Location".
⑰	Foot lamp	Refer to INL-5, "Interior Lamp Appearance and Bulb Specifications".
⑱	Luggage room lamp	Refer to INL-5, "Interior Lamp Appearance and Bulb Specifications".
⑲	Back door lamp	Refer to INL-5, "Interior Lamp Appearance and Bulb Specifications".
⑳	Ambient lamp (seat)	Refer to INL-5, "Interior Lamp Appearance and Bulb Specifications".
㉑	Room lamp (with rear map lamp)*1	Refer to INL-5, "Interior Lamp Appearance and Bulb Specifications".
	Room lamp (without rear map lamp)*2	Refer to INL-5, "Interior Lamp Appearance and Bulb Specifications".
㉒	Ambient lamp (cup holder)	Refer to INL-5, "Interior Lamp Appearance and Bulb Specifications".

*1: With rear map lamp models
*2: Without rear map lamp models

Overhead Control Panel Control Unit

INFOID:0000000013551363

- Front map lamp is integrated with overhead control panel control unit.
- Transmits switch position signal to BCM



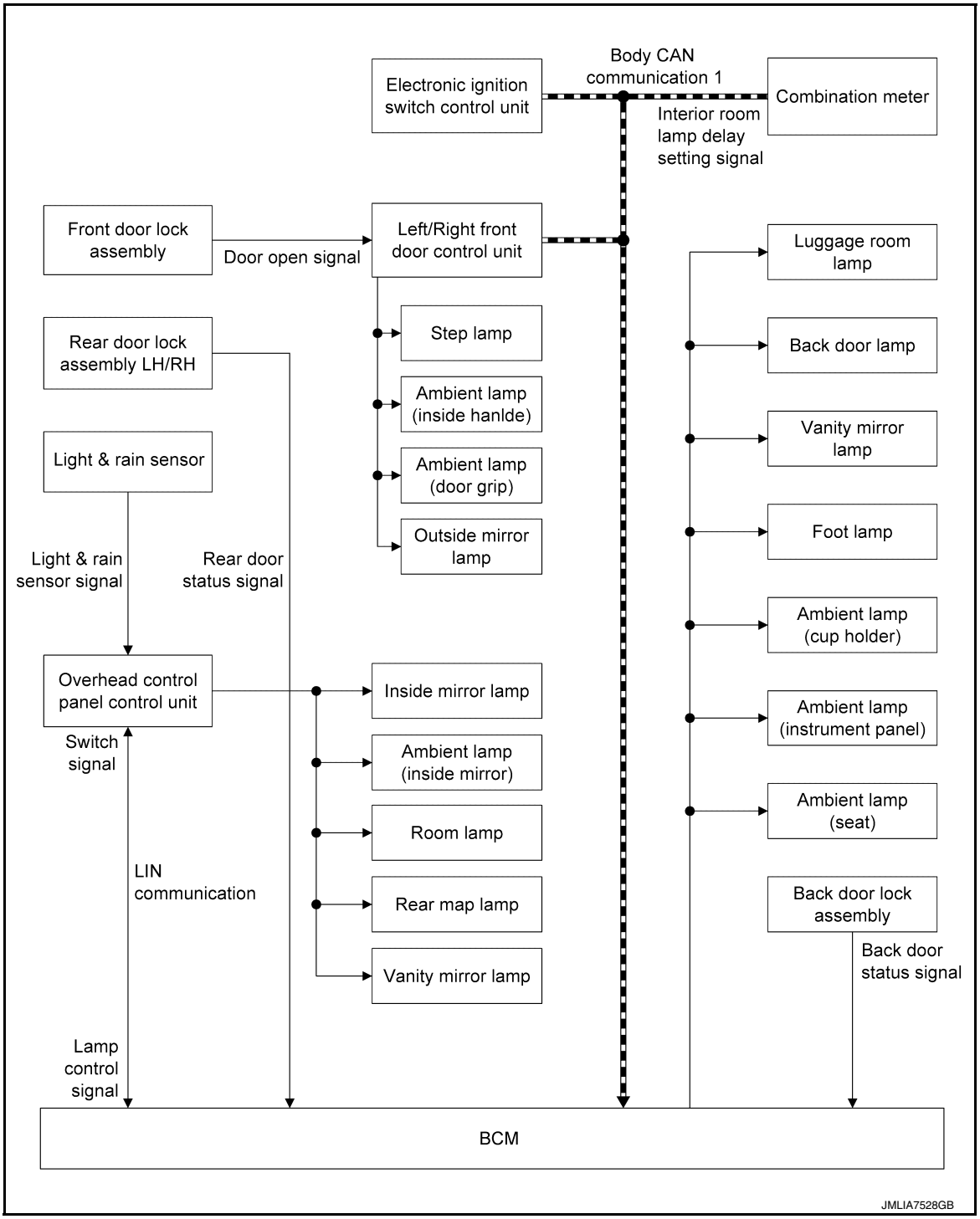
SYSTEM

INTERIOR ROOM LAMP CONTROL SYSTEM

INTERIOR ROOM LAMP CONTROL SYSTEM : System Description

INFOID:0000000013551364

SYSTEM DIAGRAM



OUTLINE

- Following lamps are controlled by interior room lamp timer control function of BCM.
- Ambient lamp
- Foot lamp
- Inside mirror lamp
- Map lamp

- Personal lamp
- Room lamp

• Interior room lamp time control operates when the switch position is DOOR.
• Luggage room lamp and back door lamp are controlled BCM.
• Step lamp is controlled BCM.

INTERIOR ROOM LAMP TIMER CONTROL

Interior Room Lamp Timer Basic Operation

• BCM judges the vehicle condition with the following items and activates the interior room lamp timer.

- Ignition switch status
- Door switch signal
- Door lock/unlock signal

Interior Room Lamp ON Operation

• BCM always turns the interior room lamp ON when any door opens.
• BCM activates the interior room lamp timer in any of the following condition to turn the interior room lamp ON for a period of time.

- Status of all doors are OPEN → CLOSE
- Ignition switch is turned ON → OFF
- Door unlock signal is detected when all doors close with ignition switch OFF

Interior Room Lamp OFF Operation

BCM stops the timer in any of the following condition to turn the interior room lamp OFF.

• The timer operating time is expired
• Ignition switch is turned OFF → ON
• Door lock signal is detected with all doors close.

LUGGAGE ROOM LAMP CONTROL

• BCM turns luggage room lamp and back door lamp ON when back door opens.
• BCM turns luggage room lamp and back door lamp OFF when back door closes.

STEP LAMP CONTROL

• BCM turns step lamp ON when front door LH/RH opens.
• BCM turns step lamp OFF when front door LH/RH closes.

OUTSIDE MIRROR LAMP CONTROL

When ignition switch is turned OFF, BCM detects outside brightness from the light & rain sensor signal and judges ON/OFF condition of outside mirror lamp, depending on the outside brightness condition.

Outside mirror lamp ON condition

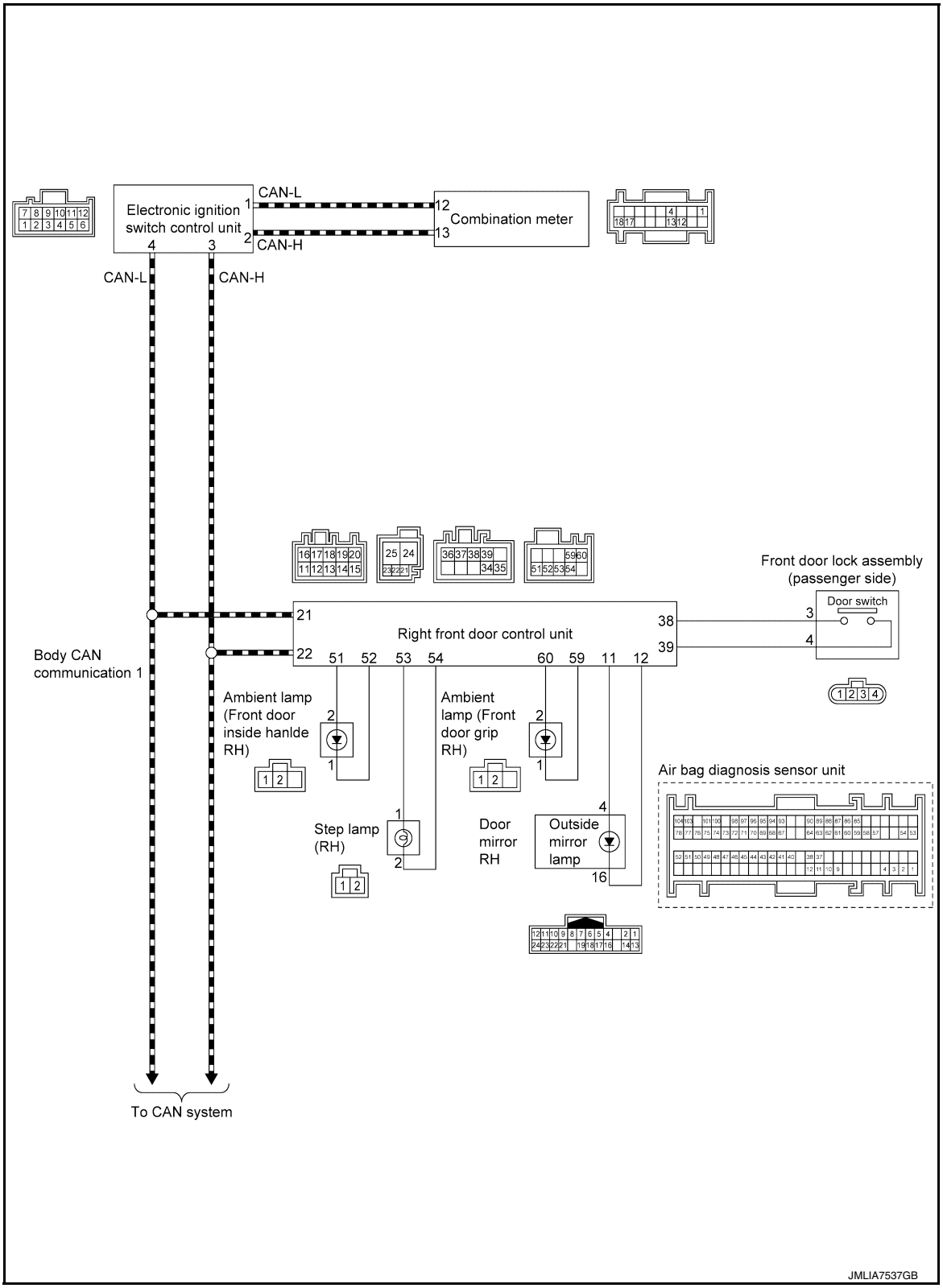
• Ignition switch ON → OFF
• Rotary light switch AUTO
• BCM detects outside dark

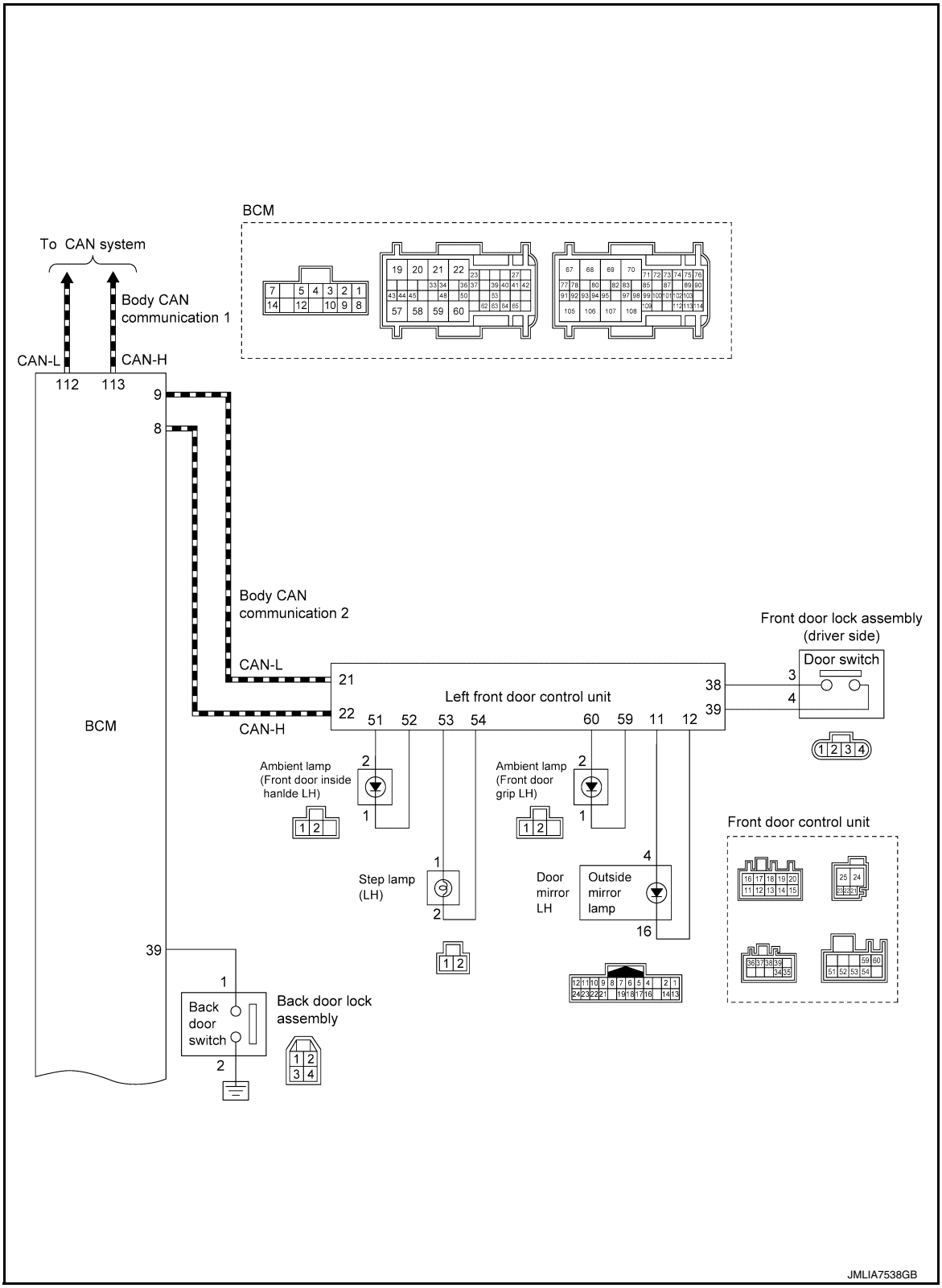
Outside mirror lamp OFF condition

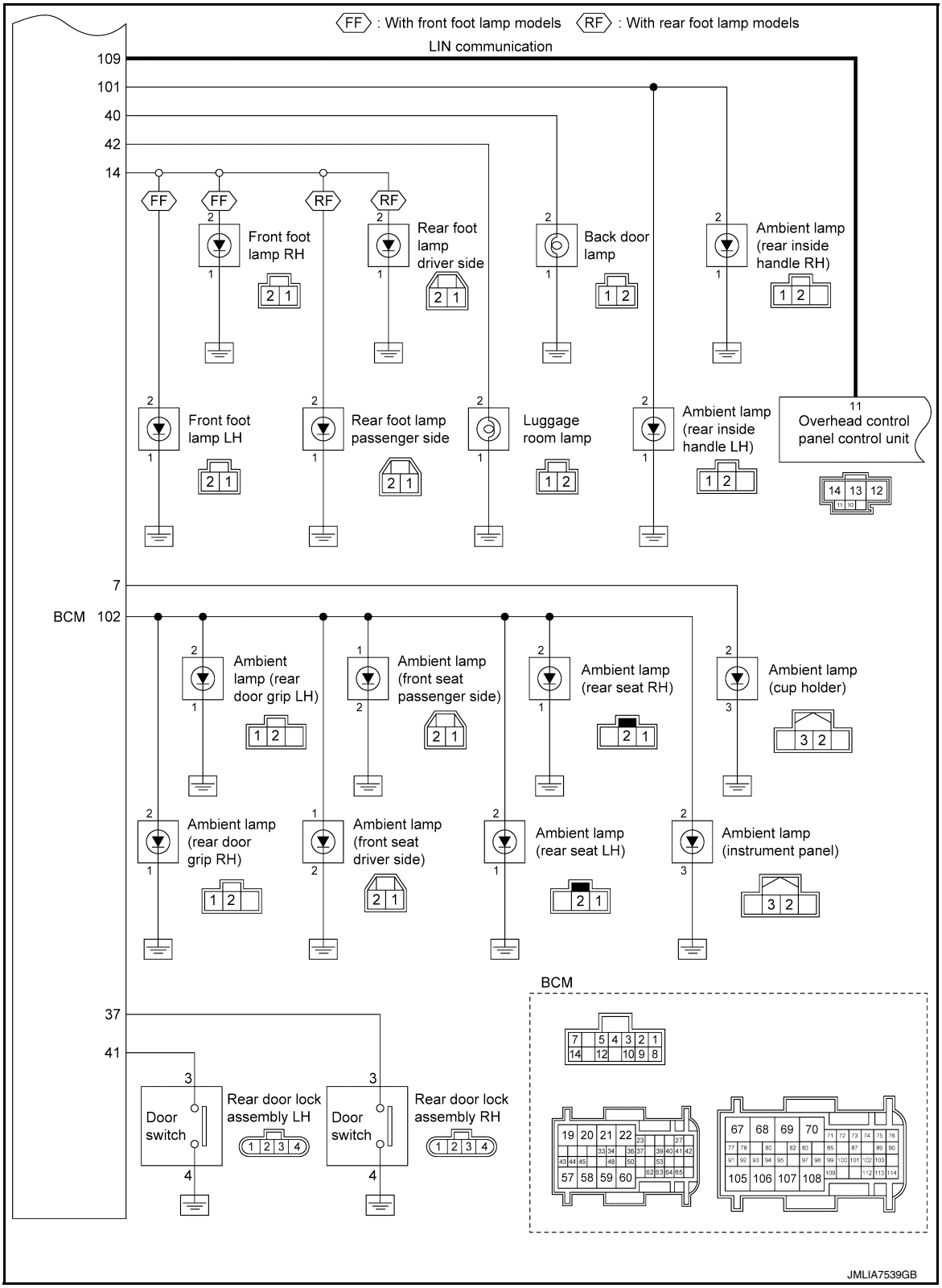
• Ignition switch other than OFF
• Rotary light switch other than AUTO
• BCM detects outside brightness

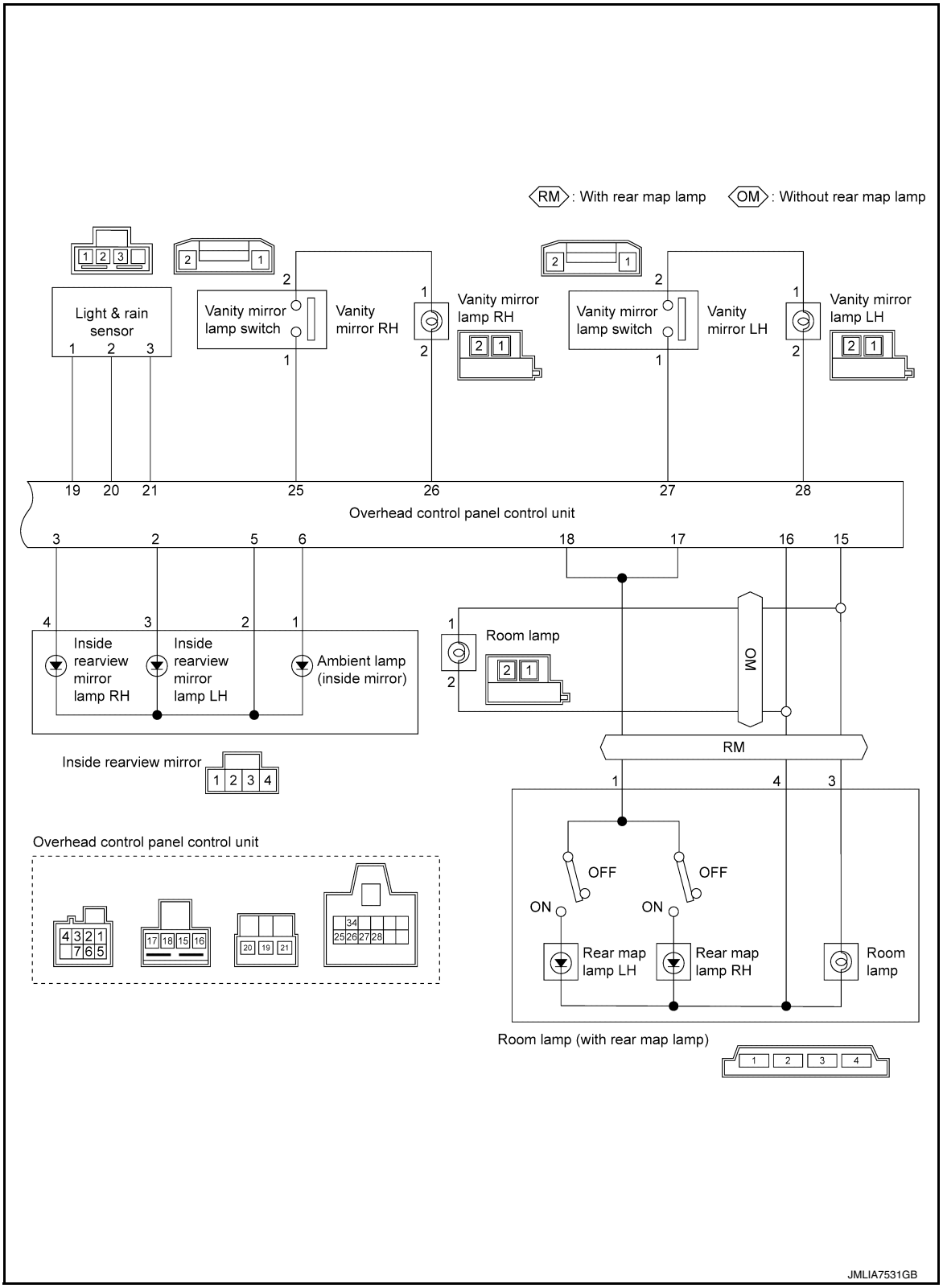
INTERIOR ROOM LAMP CONTROL SYSTEM : Circuit Diagram

INFOID:0000000013551365




BCM
To CAN system
Body CAN communication 1
CAN-L
CAN-H
112
113
9
8
Body CAN communication 2
CAN-L
CAN-H
BCM
21
22
Left front door control unit
51
52
53
54
60
59
11
12
38
39
Front door lock assembly (driver side)
Door switch
3
4
Ambient lamp (Front door inside hanlde LH)
Ambient lamp (Front door grip LH)
Step lamp (LH)
Door mirror LH
Outside mirror lamp
Front door control unit
39
Back door switch
Back door lock assembly
JMLIA7538GB


FF : With front foot lamp models
RF : With rear foot lamp models
LIN communication
109
101
40
42
14
Front foot lamp RH
Rear foot lamp driver side
Back door lamp
Ambient lamp (rear inside handle RH)
Front foot lamp LH
Rear foot lamp passenger side
Luggage room lamp
Ambient lamp (rear inside handle LH)
11
Overhead control panel control unit
7
BCM 102
Ambient lamp (rear door grip LH)
Ambient lamp (front seat passenger side)
Ambient lamp (rear seat RH)
Ambient lamp (cup holder)
Ambient lamp (rear door grip RH)
Ambient lamp (front seat driver side)
Ambient lamp (rear seat LH)
Ambient lamp (instrument panel)
37
41
Door switch
Rear door lock assembly LH
Door switch
Rear door lock assembly RH
BCM
JMLIA7539GB

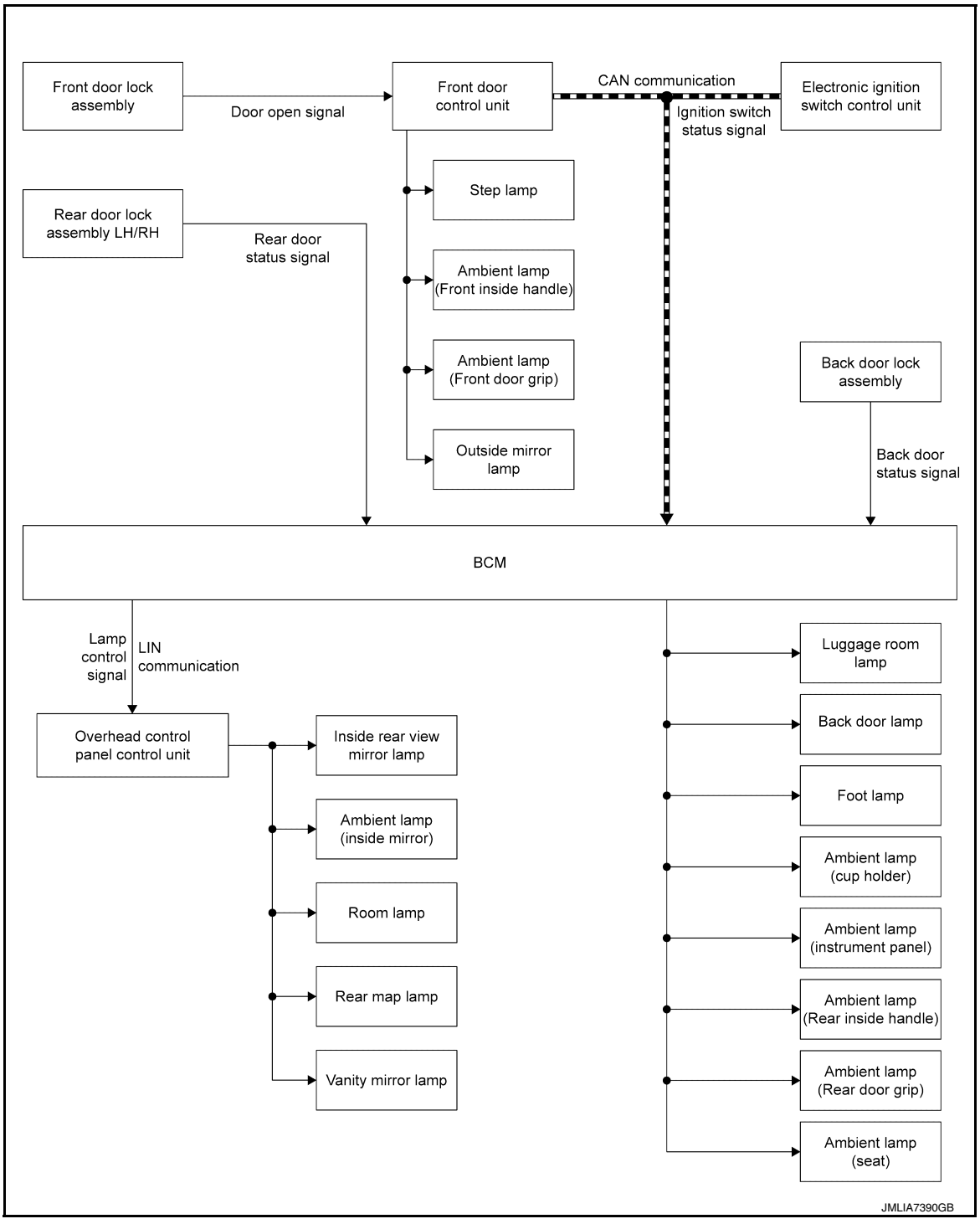


INTERIOR ROOM LAMP BATTERY SAVER SYSTEM

INTERIOR ROOM LAMP BATTERY SAVER SYSTEM : System Description

INFOID:0000000013551366

SYSTEM DIAGRAM



OUTLINE

- Interior room lamp battery saver is controlled by BCM.
- BCM turns applicable lamps OFF depending on the vehicle condition. This function prevent battery discharge if the driver neglects, turning OFF interior room lamps.

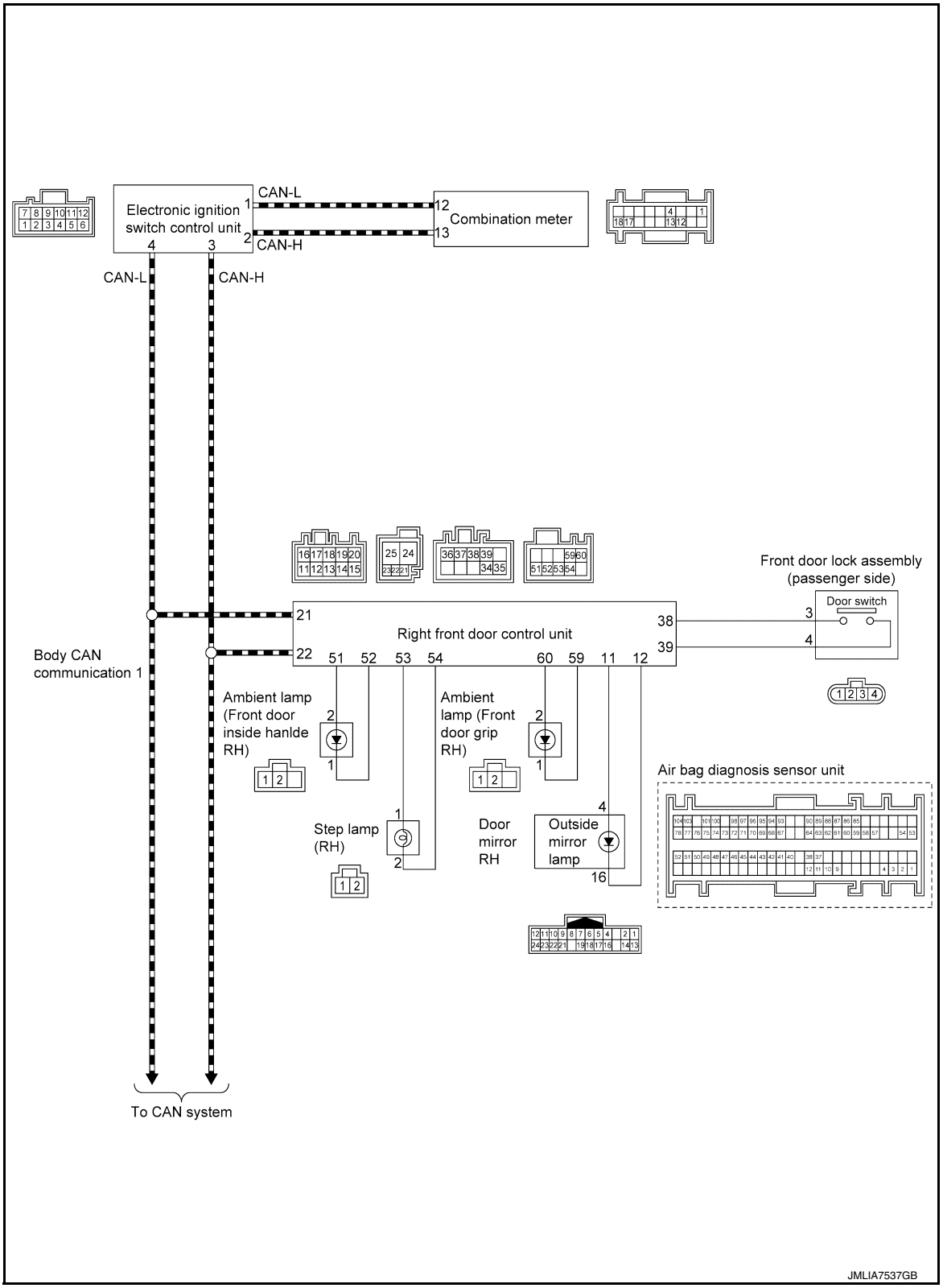
INTERIOR ROOM LAMP BATTERY SAVER FUNCTION

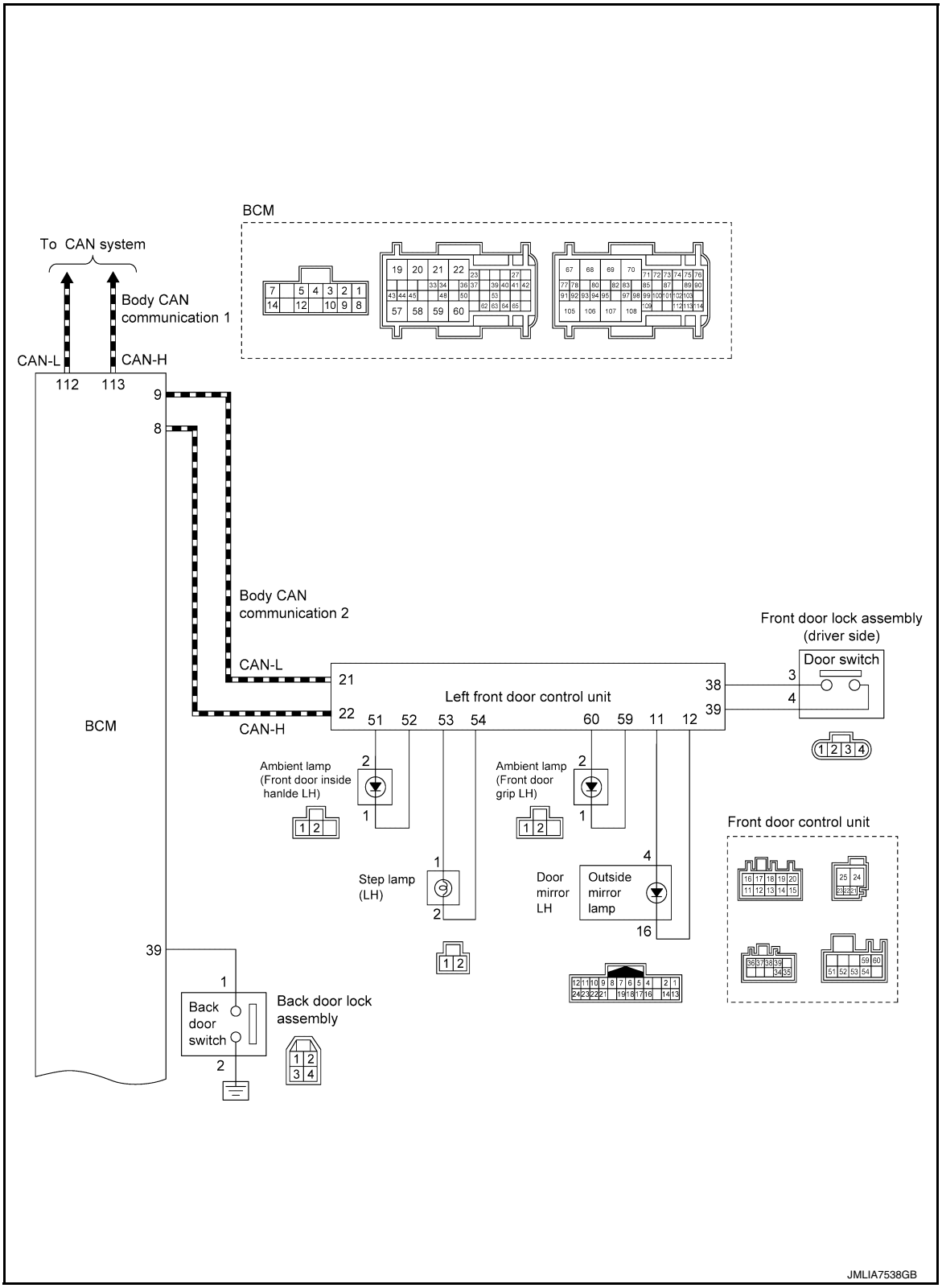
- When the ignition switch is turned OFF and each door open, BCM operates timer for 30 minutes to cut the interior room lamp power supply.
- BCM restart the timer when any of the following signal changes while operating the timer.

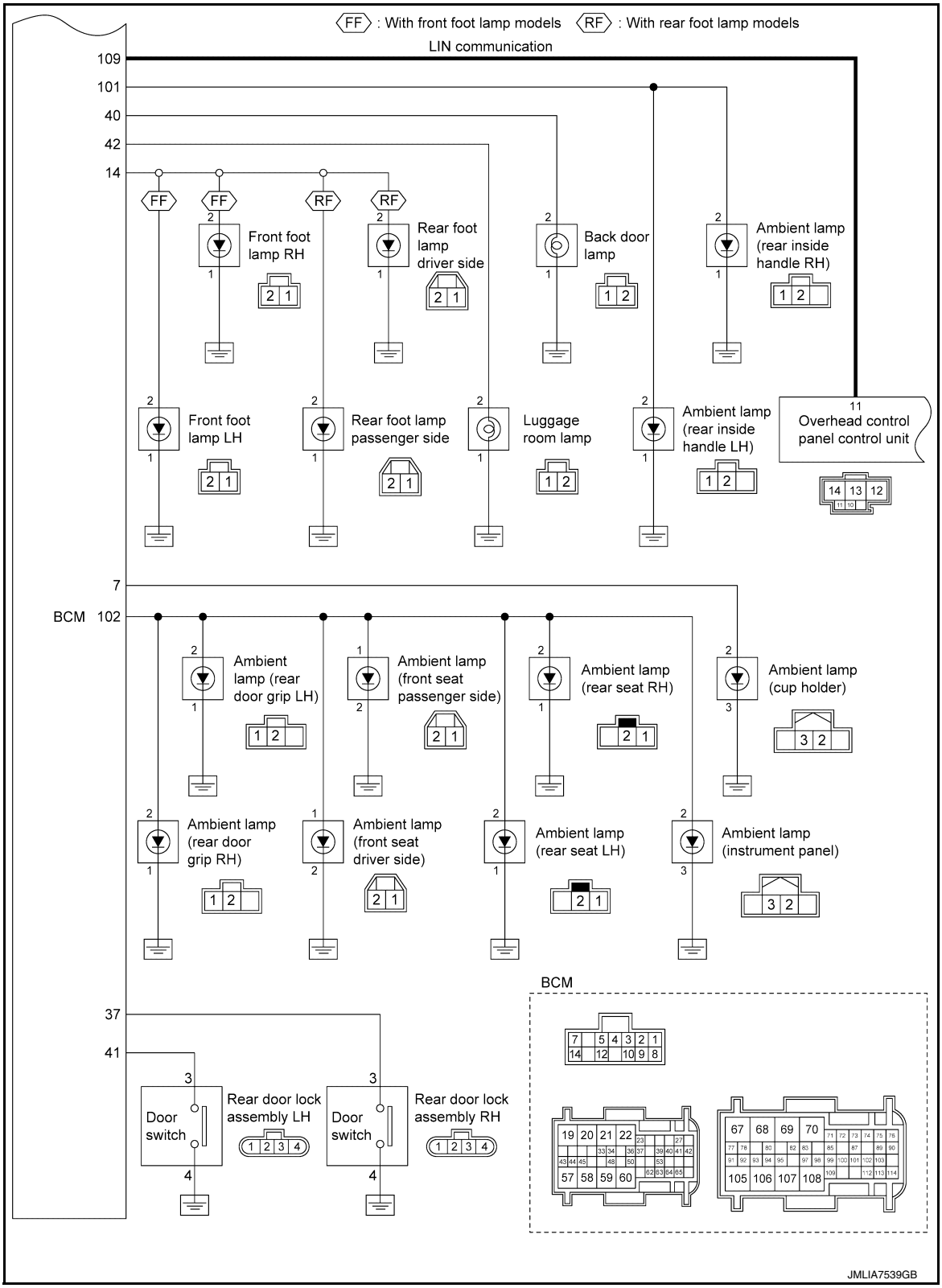
- Ignition switch status
- Door switch signal
- Back door switch signal

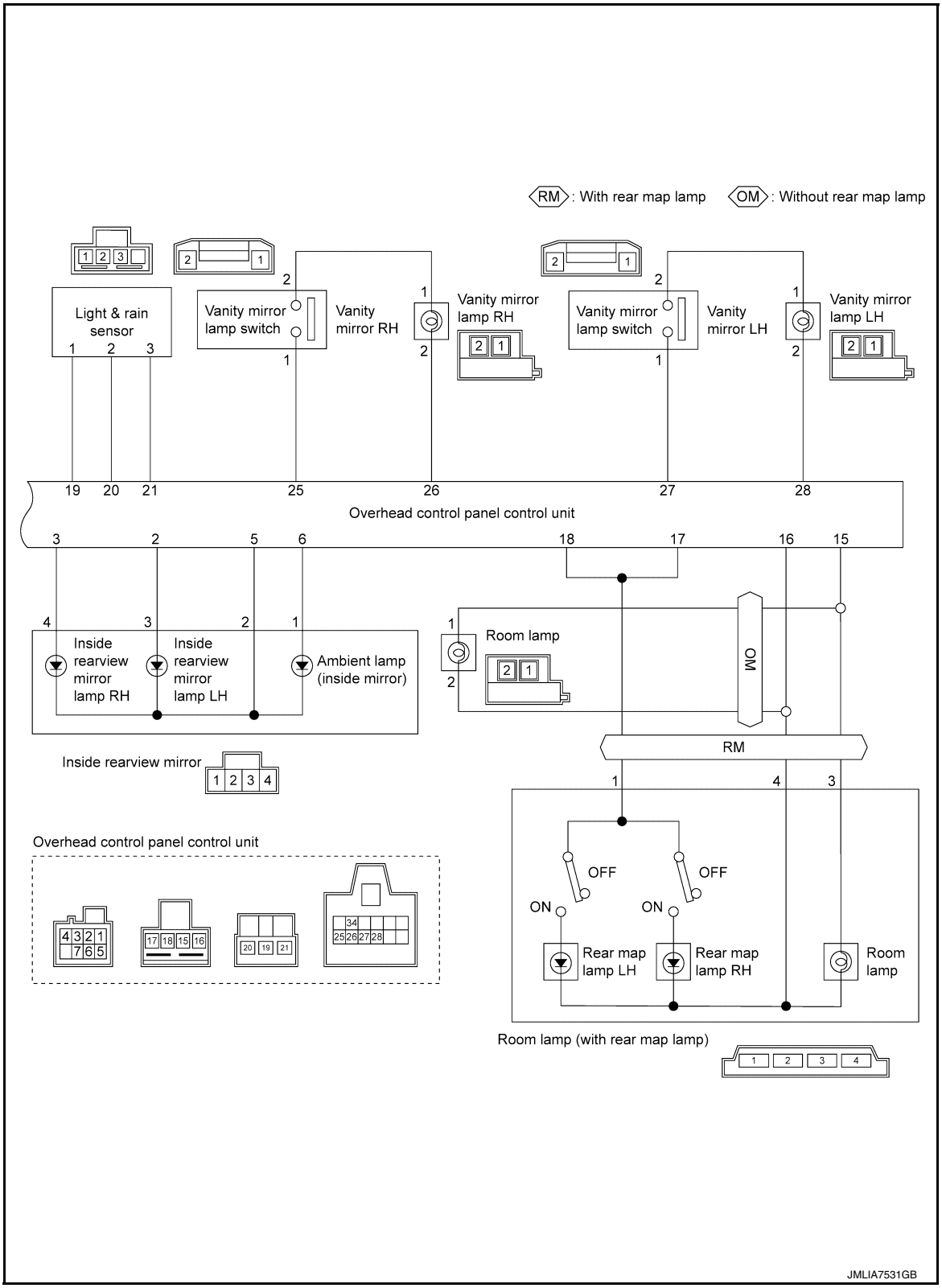
INTERIOR ROOM LAMP BATTERY SAVER SYSTEM : Circuit Diagram

INFOID:0000000013551367




BCM
To CAN system
Body CAN communication 1
CAN-L
CAN-H
112
113
9
8
Body CAN communication 2
CAN-L
CAN-H
BCM
21
22
Left front door control unit
51
52
53
54
60
59
11
12
38
39
Front door lock assembly (driver side)
Door switch
3
4
Ambient lamp (Front door inside hanlde LH)
Ambient lamp (Front door grip LH)
Step lamp (LH)
Door mirror LH
Outside mirror lamp
Front door control unit
39
Back door switch
Back door lock assembly
JMLIA7538GB


FF : With front foot lamp models
RF : With rear foot lamp models
LIN communication
109
101
40
42
14
Front foot lamp RH
Rear foot lamp driver side
Back door lamp
Ambient lamp (rear inside handle RH)
Front foot lamp LH
Rear foot lamp passenger side
Luggage room lamp
Ambient lamp (rear inside handle LH)
11
Overhead control panel control unit
7
BCM 102
Ambient lamp (rear door grip LH)
Ambient lamp (front seat passenger side)
Ambient lamp (rear seat RH)
Ambient lamp (cup holder)
Ambient lamp (rear door grip RH)
Ambient lamp (front seat driver side)
Ambient lamp (rear seat LH)
Ambient lamp (instrument panel)
37
41
Door switch
Rear door lock assembly LH
Door switch
Rear door lock assembly RH
BCM
JMLIA7539GB

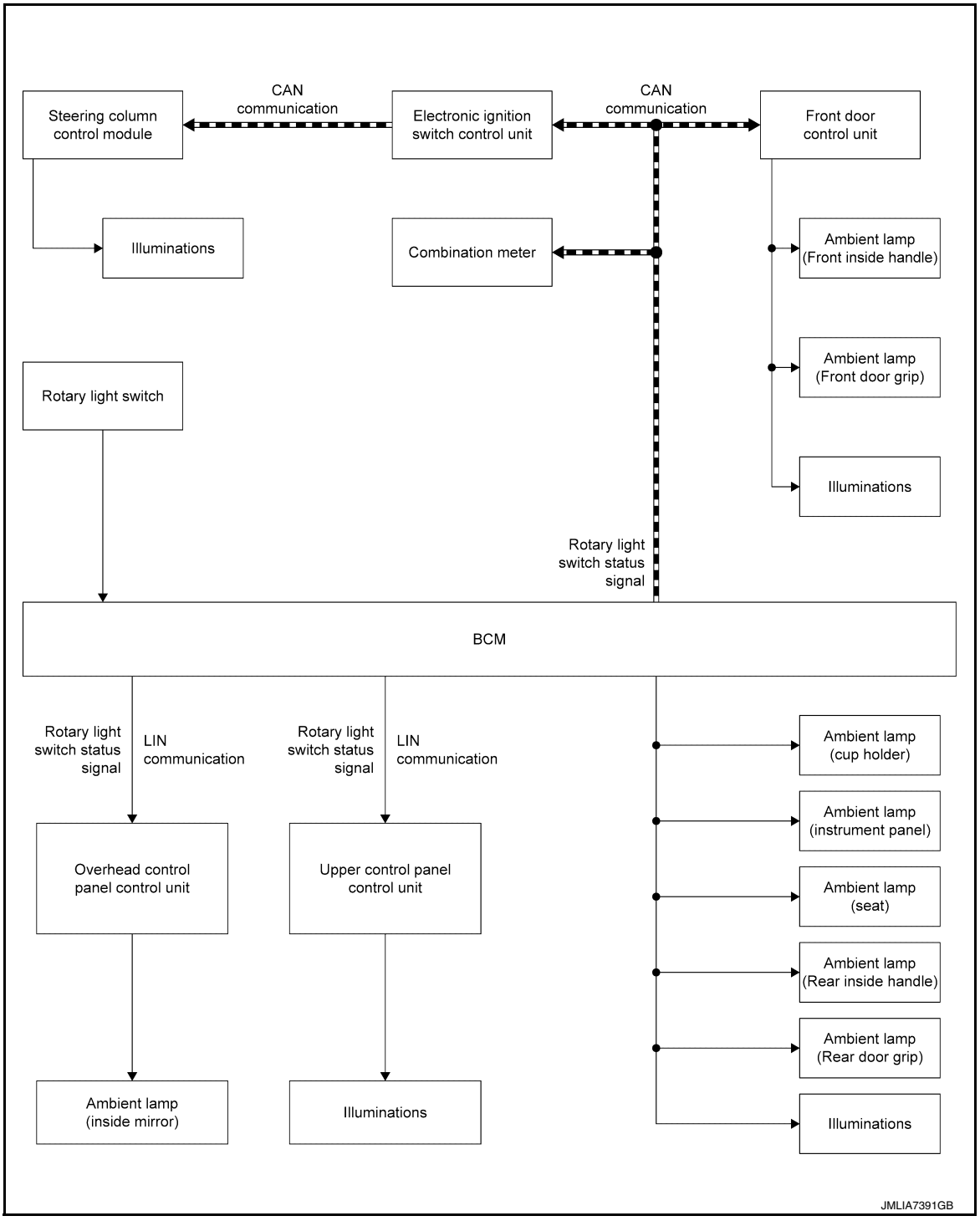


ILLUMINATION CONTROL SYSTEM

ILLUMINATION CONTROL SYSTEM : System Description

INFOID:0000000013551368

SYSTEM DIAGRAM



OUTLINE

Each illumination lamp is controlled by each function of BCM and combination meter.

Control by BCM

- Parking, license plate and tail lamp control function

Control by combination meter

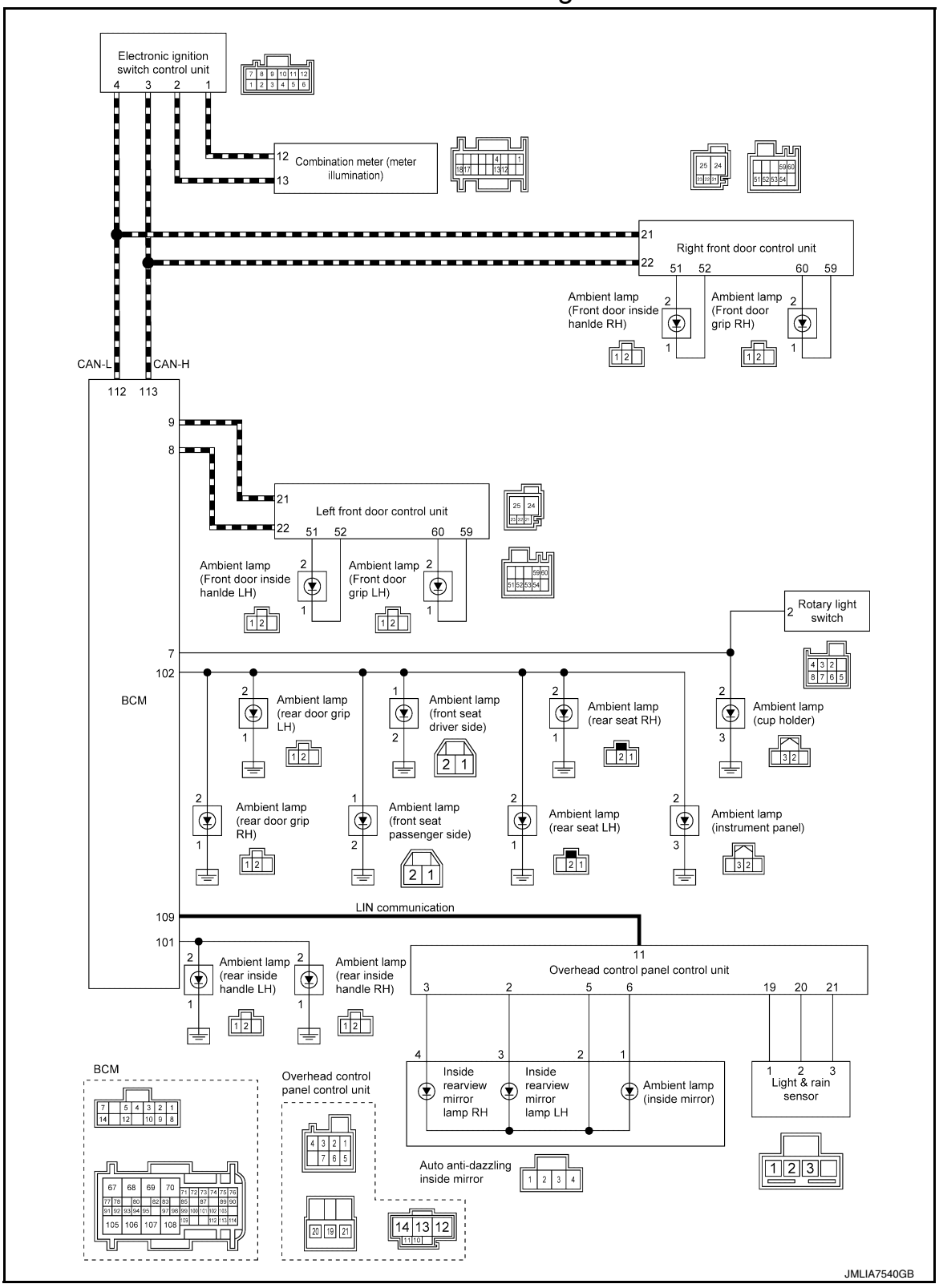
- Meter illumination control function (Refer to INL-20, "ILLUMINATION CONTROL SYSTEM : System Description".)

ILLUMINATION CONTROL

- BCM transmits position light request signal or dimmer signal to combination meter according to tail lamp ON condition. Refer to INL-20, "ILLUMINATION CONTROL SYSTEM : System Description" (LED headlamp models) or INL-20, "ILLUMINATION CONTROL SYSTEM : System Description" (halogen headlamp models).
- Combination meter enters in the nighttime mode according to position light request signal or dimmer signal and controls the each illumination lamp.

ILLUMINATION CONTROL SYSTEM : Circuit Diagram

INFOID:0000000013551369



DIAGNOSIS SYSTEM (OVERHEAD CONTROL PANEL CONTROL UNIT)

CONSULT Function

INFOID:0000000013551370

APPLICATION ITEM

CONSULT performs the following functions via CAN communication with overhead control panel control unit.

Diagnosis mode	Function Description
Ecu Identification	The overhead control panel control unit hardware version is displayed.
Configuration	• Read and save the vehicle specification. • Write the vehicle specification when replacing overhead control panel control unit.

ECU DIAGNOSIS INFORMATION

BCM, FRONT DOOR CONTROL UNIT

List of ECU Reference

INFOID:0000000013551371

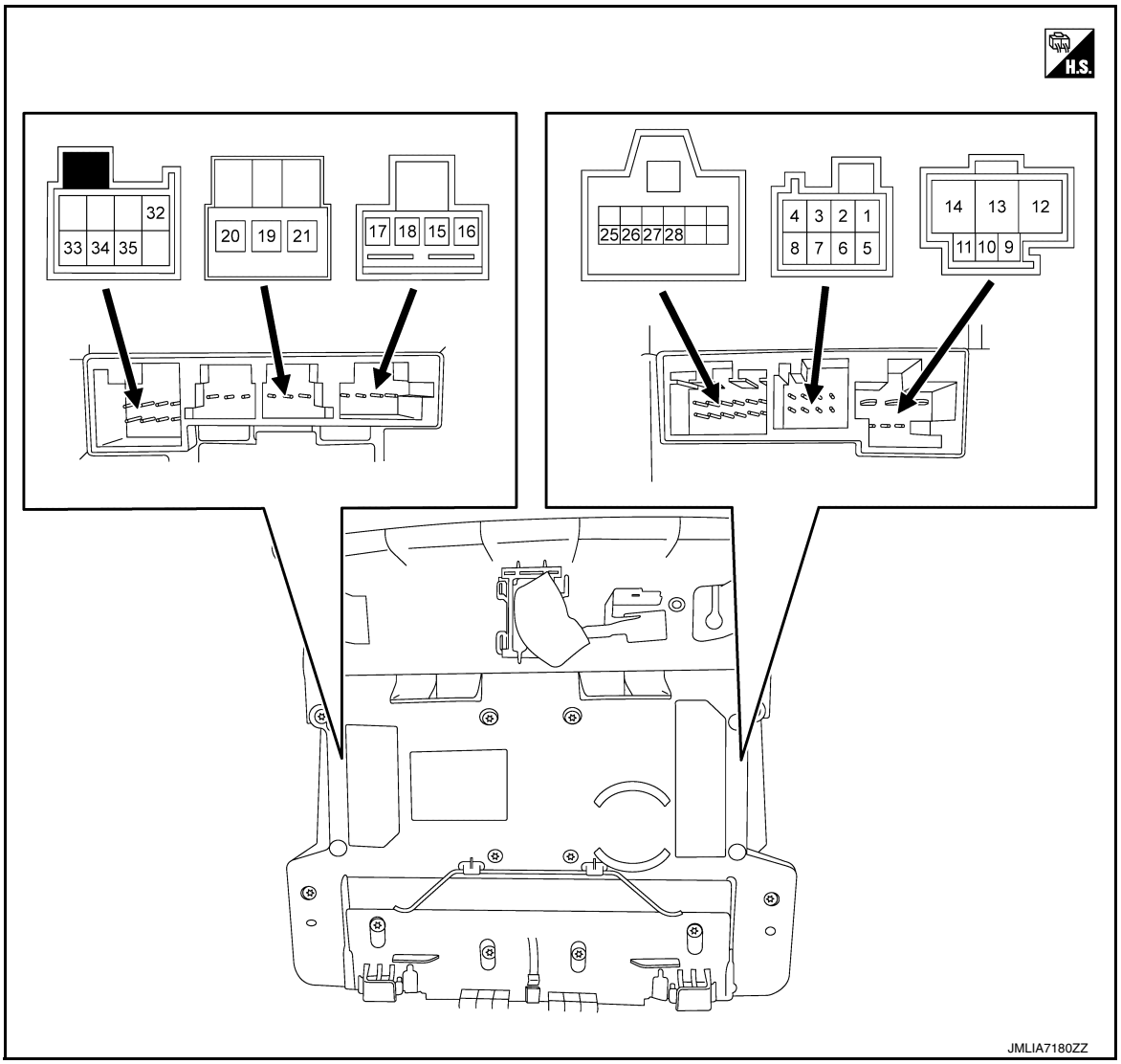
ECU	Reference
BCM	BCS-32, "Reference Value"
	BCS-50, "Fail-safe"
	BCS-51, "DTC Index"
Left front door control unit	DLK-50, "Reference Value"
	DLK-57, "Fail-safe"
	DLK-58, "DTC Inspection Priority Chart"
	DLK-60, "DTC Index"
Right front door control unit	DLK-62, "Reference Value"
	DLK-68, "Fail-safe"
	DLK-69, "DTC Inspection Priority Chart"
	DLK-70, "DTC Index"

OVERHEAD CONTROL PANEL CONTROL UNIT

Reference Value

INFOID:0000000013551372

TERMINAL LAYOUT



PHYSICAL VALUES

Terminal No. (Wire color)		Description		Condition		Value (Approx.)
+	–	Signal name	Input/ Output			
1 (O)	Ground	Communication line	Input/ Output	Ignition switch ON		8.6 V
2 (L)	Ground	Inside mirror lamp LH power supply	Output	Inside mirror lamp	OFF	0 V
					ON	10.3 V
3 (R)	Ground	Inside mirror lamp RH power supply	Output	Inside mirror lamp	OFF	0 V
					ON	10.3 V
4 (W)	Ground	Inside mirror power supply	Output	Ignition switch ON		12 V
5 (BR)	Ground	Inside mirror lamp ground	Input	Ignition switch OFF		0 V

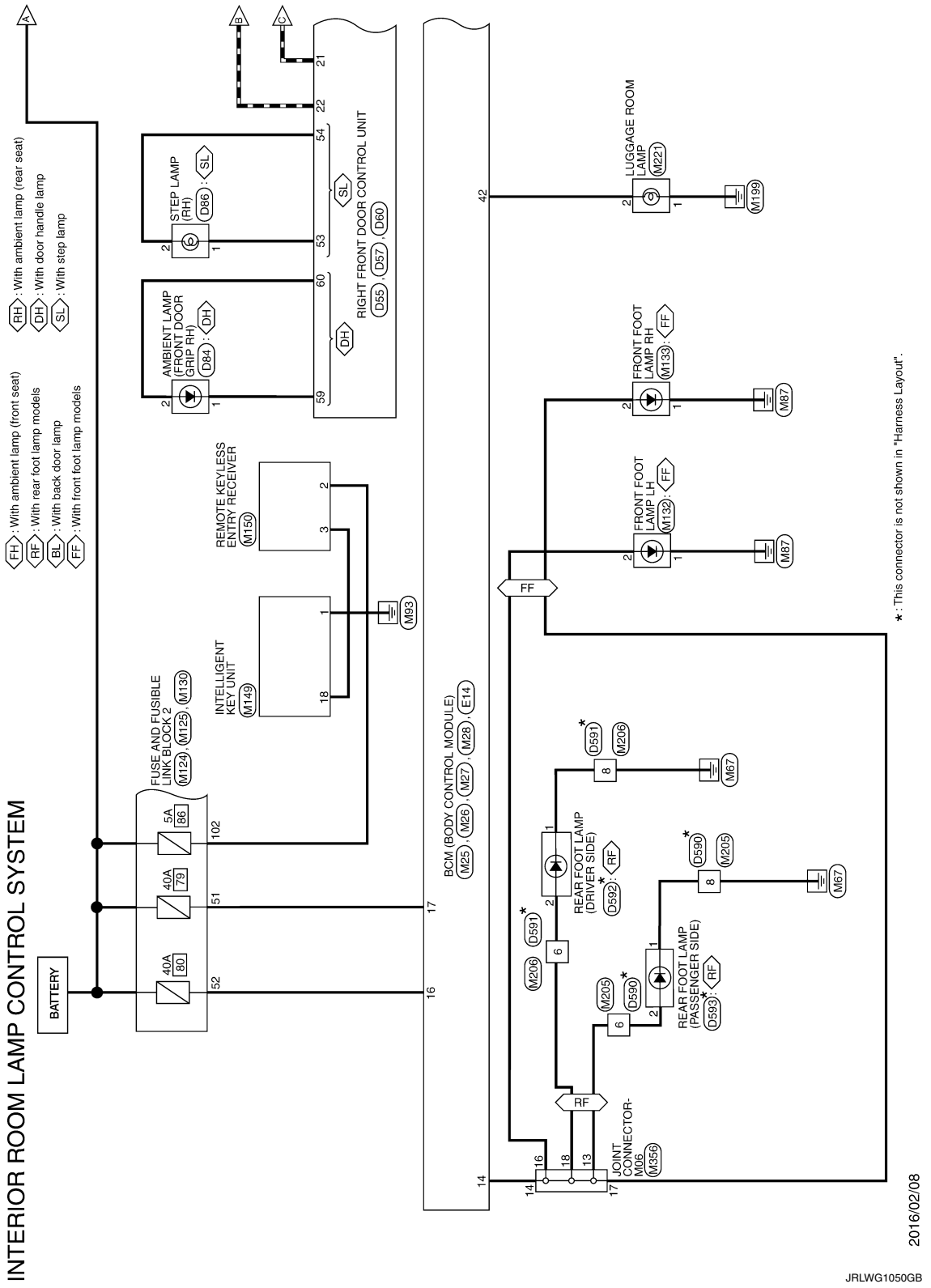
Terminal No. (Wire color)		Description		Condition		Value (Approx.)
+	–	Signal name	Input/ Output			
6 (G)	Ground	Ambient lamp (inside mirror lamp) power supply	Output	Inside mirror lamp	OFF	0 V
					ON	10.3 V
7 (BR)	Ground	Inside mirror ground	Input	Ignition switch OFF		0 V
11 (O)	Ground	LIN (ROOF)	Input/ Output	Interior room lamp	OFF	12 V
					ON	8.6 V
12 (B)	Ground	Ground	—	—		0 V
13 (G)	Ground	Battery power supply	Input	Ignition switch ON		12 V
14 (O)	Ground	Battery power supply	Input	Ignition switch ON		12 V
15 (L)	Ground	Room lamp power supply	Output	Room lamp	OFF	0 V
					ON	12 V
16 (R)	Ground	Room lamp ground	Input	Ignition switch OFF		0 V
17 (O)	Ground	Rear map lamp power supply	Output	Rear map lamp	OFF	0 V
					ON	12 V
18 (Y)	Ground	Rear map lamp power supply	Output	Rear map lamp	OFF	0 V
					ON	12 V
19 (G)	Ground	Light & rain sensor power supply	Output	Ignition switch ON		12 V
20 (R)	Ground	Light & rain sensor ground	Input	Ignition switch OFF		0 V
21 (O)	Ground	Light & rain sensor serial link	Input/ Output	Ignition switch	OFF	12 V
					ON	8.6 V
25 (BR)	Ground	Vanity mirror lamp RH ground	Input	Ignition switch OFF		0 V
26 (O)	Ground	Vanity mirror lamp RH power supply	Output	Ignition switch ON		12 V
27 (Y/G)	Ground	Vanity mirror lamp LH ground	Input	Ignition switch OFF		0 V
28 (B/GR)	Ground	Vanity mirror lamp LH power supply	Output	Ignition switch ON		12 V
32 (GR)	Ground	Vehicle tilt switch illumination	Output	Vehicle tilt switch illumination	OFF	0 V
					ON	12 V
33 (R)	Ground	Vehicle tilt switch operation	Input	—		—
34 (B)	Ground	Intrusion switch illumination	Output	Intrusion switch illumination	OFF	0 V
					ON	12 V
35 (W)	Ground	Intrusion switch operation	Input	—		—

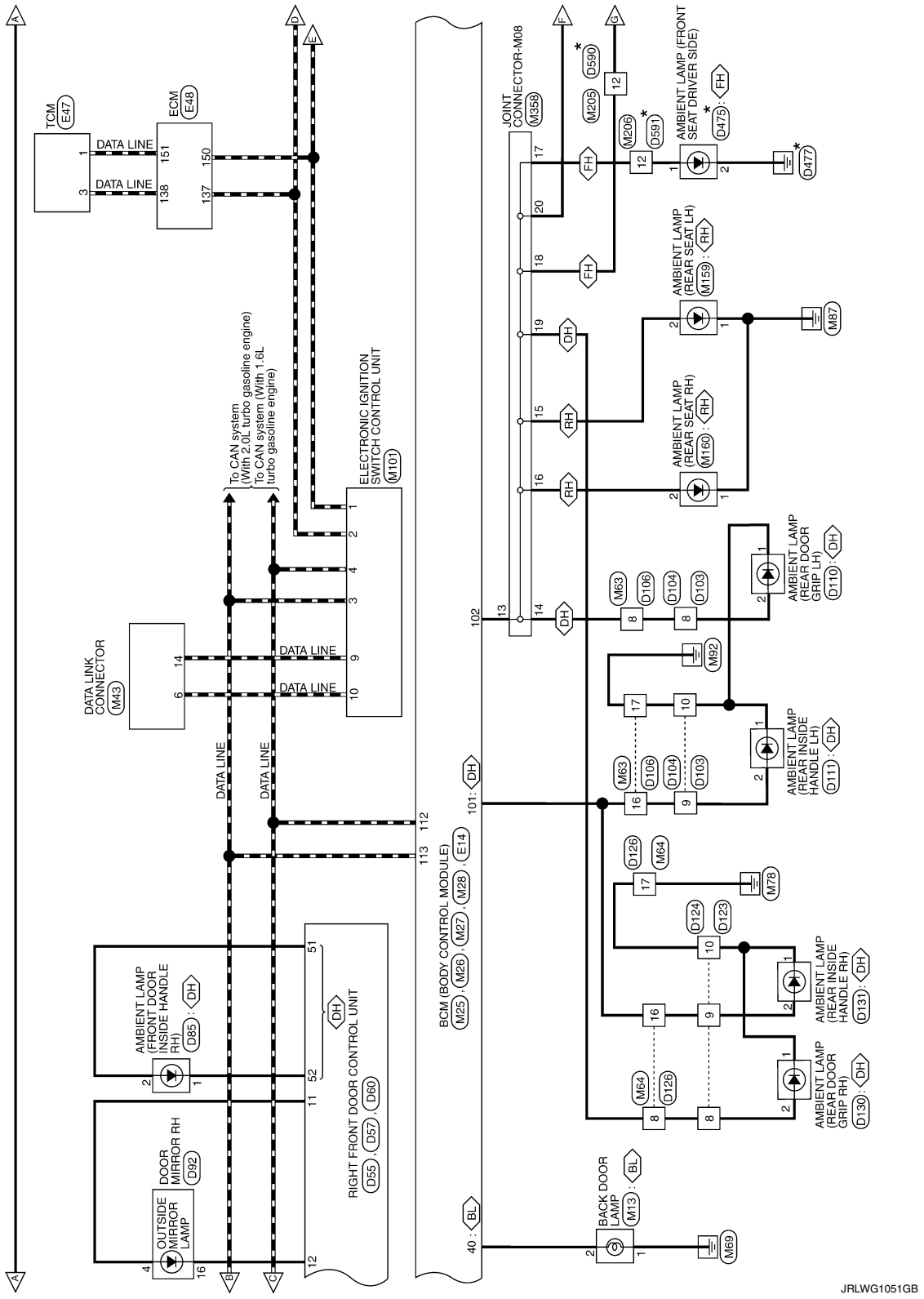
WIRING DIAGRAM

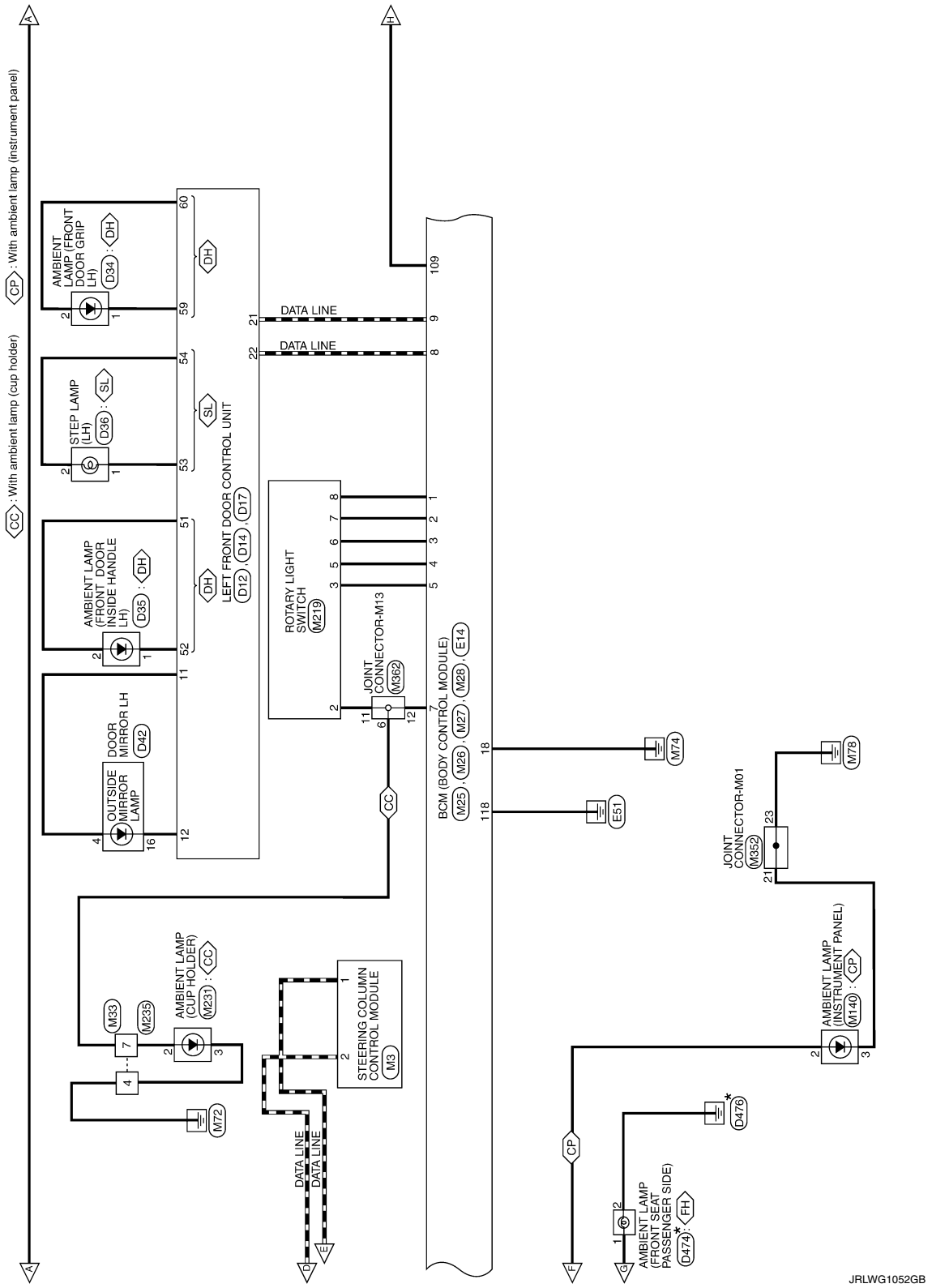
INTERIOR ROOM LAMP CONTROL SYSTEM

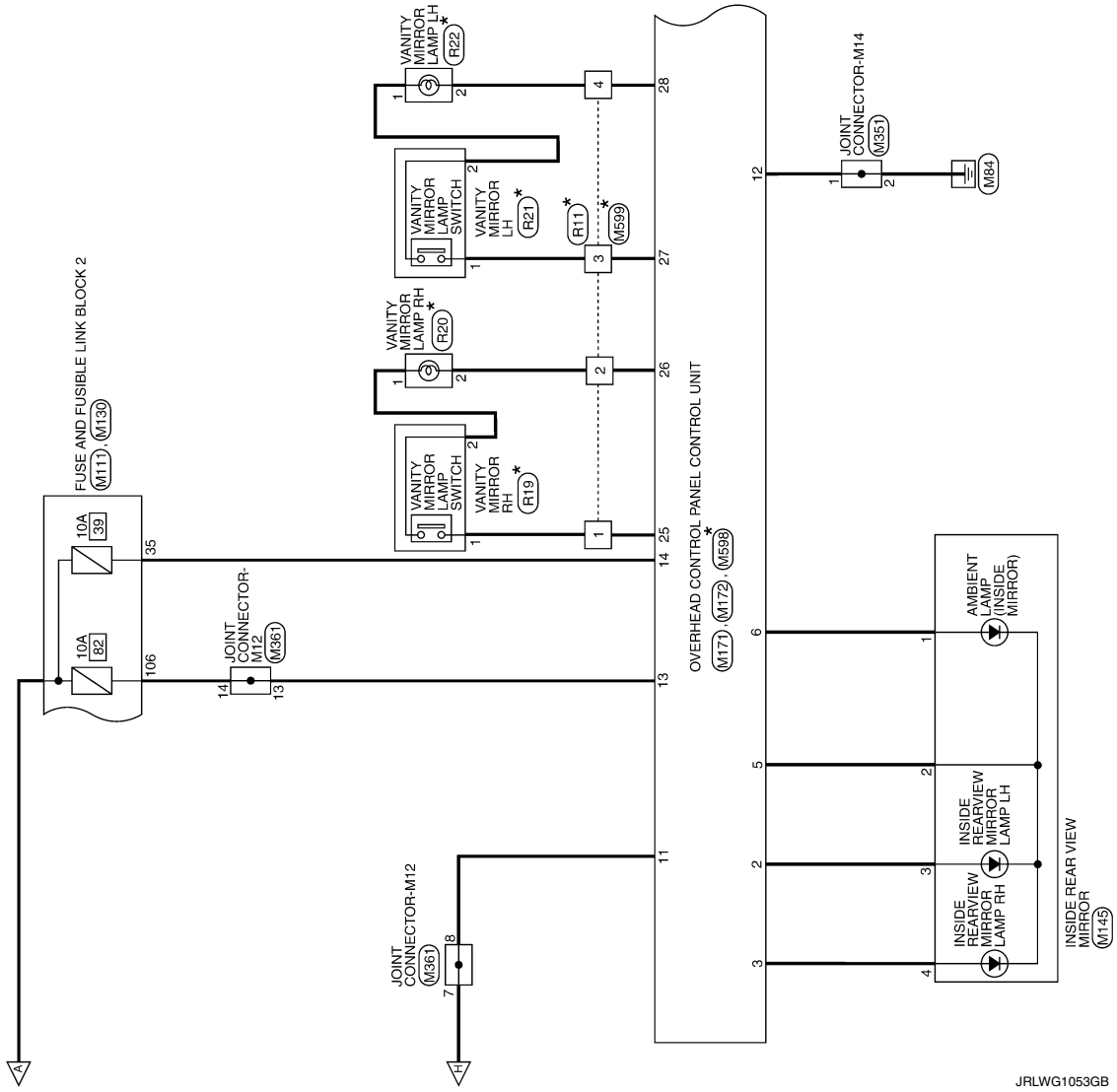
Wiring Diagram

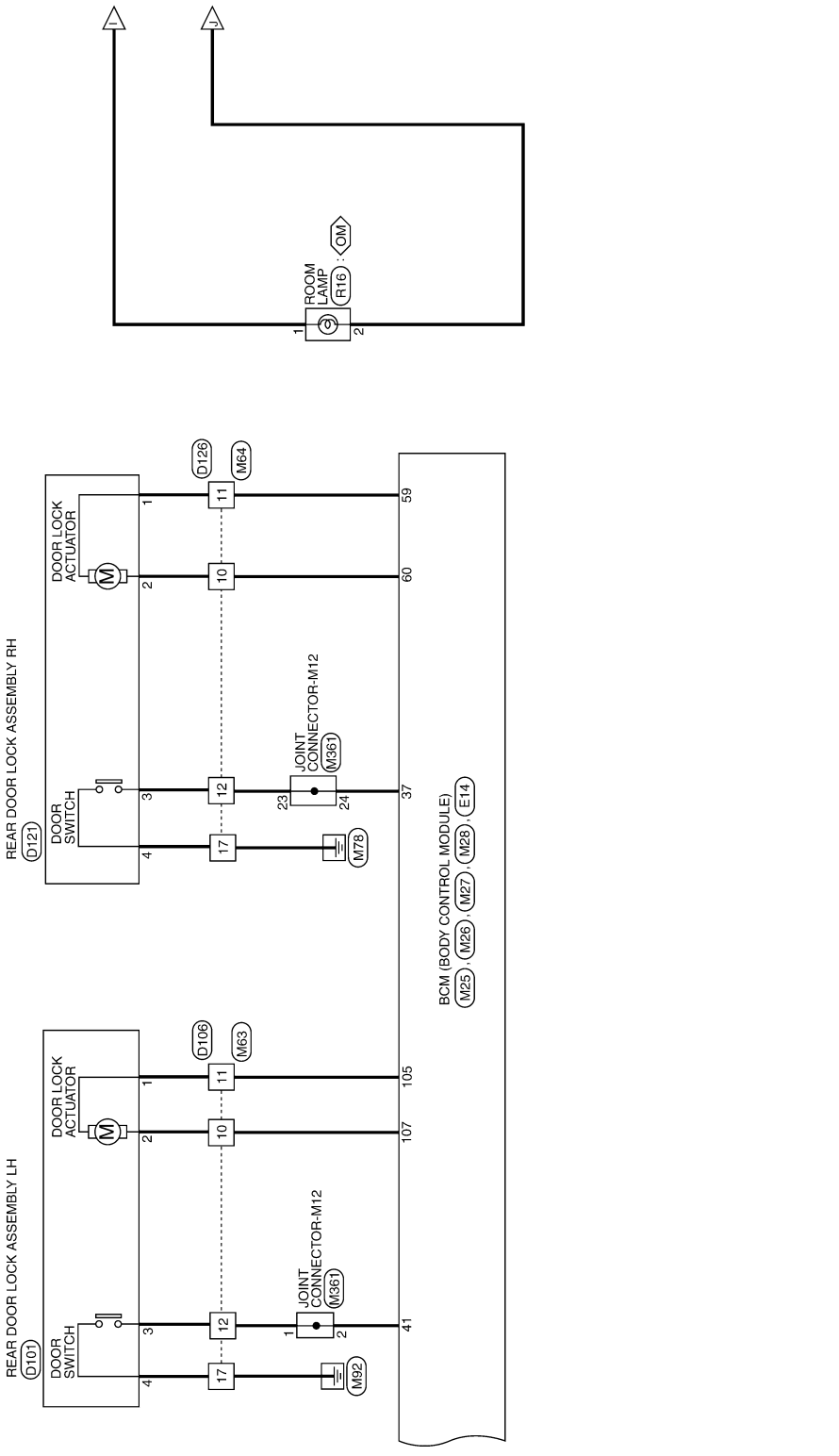
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TCM E47
ECM E48
DATA LINE
JOINT CONNECTOR-M08 M358
AMBIENT LAMP (FRONT SEAT DRIVER SIDE) D475 : FH
AMBIENT LAMP (REAR SEAT LH) M159 : RH
AMBIENT LAMP (REAR SEAT RH) M160 : RH
AMBIENT LAMP (REAR DOOR GRIP LH) D110 : DH
AMBIENT LAMP (REAR INSIDE HANDLE LH) D111 : DH
AMBIENT LAMP (REAR INSIDE HANDLE RH) D131 : DH
AMBIENT LAMP (REAR DOOR GRIP RH) D130 : DH
AMBIENT LAMP (FRONT DOOR INSIDE HANDLE RH) D85 : DH
DOOR MIRROR RH D92
OUTSIDE MIRROR LAMP
RIGHT FRONT DOOR CONTROL UNIT D55 : D57 : D60
BACK DOOR LAMP M13 : BL
BCM (BODY CONTROL MODULE) M25 : M26 : M27 : M28 : E14
DATA LINK CONNECTOR M43
ELECTRONIC IGNITION SWITCH CONTROL UNIT M101
To CAN system (With 2.0L turbo gasoline engine)
To CAN system (With 1.6L turbo gasoline engine)
JRLWG1051GB

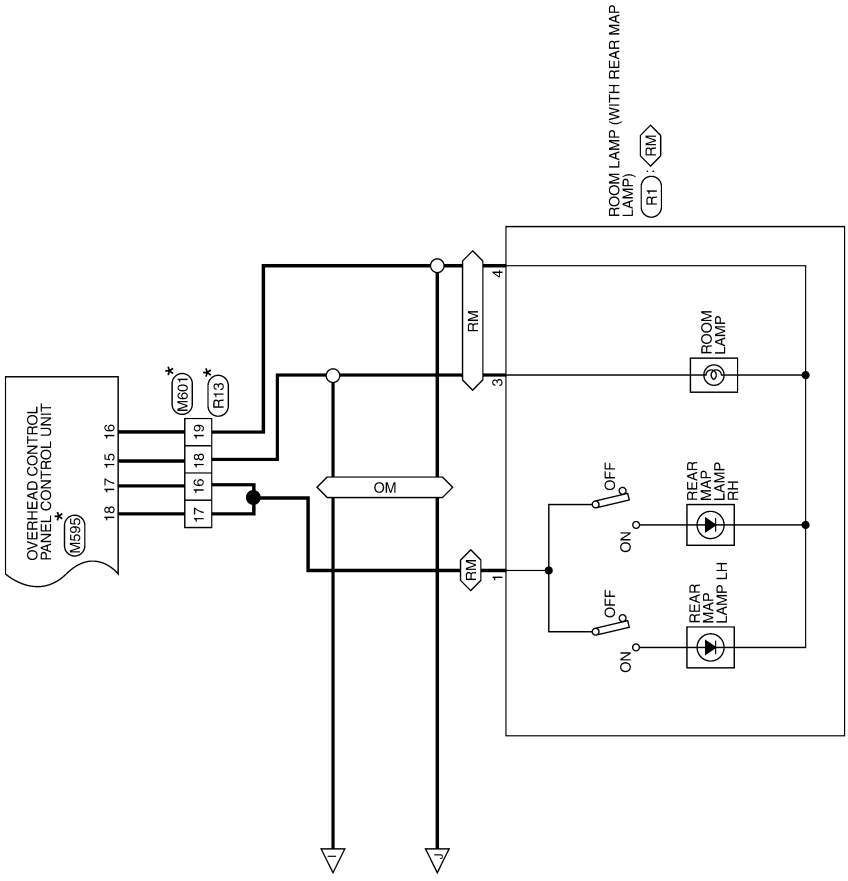

CP : With ambient lamp (instrument panel)
CC : With ambient lamp (cup holder)
AMBIENT LAMP (FRONT DOOR GRIP LH) D34 : DH
STEP LAMP (LH) D36 : SL
AMBIENT LAMP (FRONT DOOR INSIDE HANDLE LH) D35 : DH
OUTSIDE MIRROR LAMP
DOOR MIRROR LH D42
LEFT FRONT DOOR CONTROL UNIT D12, D14, D17
DATA LINE
DATA LINE
ROTARY LIGHT SWITCH M219
JOINT CONNECTOR-M13 M362
BCM (BODY CONTROL MODULE) M25, M26, M27, M28, E14
M74
E51
JOINT CONNECTOR-M01 M352
M78
AMBIENT LAMP (INSTRUMENT PANEL) M140 : CP
AMBIENT LAMP (CUP HOLDER) M231 : CC
M33
M235
M72
STEERING COLUMN CONTROL MODULE M3
DATA LINE
DATA LINE
D476*
AMBIENT LAMP (FRONT SEAT PASSENGER SIDE) D474* : FH
JRLWG1052GB


VANITY MIRROR LAMP LH
R22
VANITY MIRROR LAMP SWITCH
VANITY MIRROR LH
R21
R11
M599
VANITY MIRROR LAMP RH
R20
VANITY MIRROR RH
R19
JOINT CONNECTOR-M14
M351
M84
FUSE AND FUSIBLE LINK BLOCK 2
M111
M130
10A 39
10A 82
JOINT CONNECTOR-M12
M361
OVERHEAD CONTROL PANEL CONTROL UNIT
M171
M172
M598
AMBIENT LAMP (INSIDE MIRROR)
INSIDE REARVIEW MIRROR LAMP LH
INSIDE REARVIEW MIRROR LAMP RH
INSIDE REAR VIEW MIRROR
M145
JRLWG1053GB



JRLWG1054GB

RM : With rear map lamp
OM : Without rear map lamp



JRLWG1055GB

INTERIOR ROOM LAMP CONTROL SYSTEM

Connector No.	D12
Connector Name	LEFT FRONT DOOR CONTROL UNIT
Connector Type	MB_A0025406281

H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
21	BR	BODY CAN 2-L
22	R	BODY CAN 2-H
23	L	ROTARY CATCH SIGNAL
24	BR	GROUND
25	R	BATTERY POWER SUPPLY

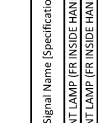
Connector No.	D14
Connector Name	LEFT FRONT DOOR CONTROL UNIT
Connector Type	MB_A0025407881

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
11	BR	AMBIENT LAMP (OUTSIDE MIRROR) PWR
12	V	AMBIENT LAMP (OUTSIDE MIRROR) GND
13	L	BSW INDICATOR STANDBY SIG
14	O	DOOR MIRROR LH OPEN
15	O	DOOR MIRROR LH CLOSE
16	L	BSW INDICATOR WARNING SIG
17	GR	HORIZONTAL INCLINATION SIG
18	BR	POTENTIONMETER GND
19	G	VERTICAL INCLINATION SIG
20	B	POTENTIONMETER PWR

Connector No.	D17
Connector Name	LEFT FRONT DOOR CONTROL UNIT
Connector Type	MB_A0255459726

H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
51	W	AMBIENT LAMP (FR INSIDE HANDLE) PWR
52	B	AMBIENT LAMP (FR INSIDE HANDLE) GND
53	P	STEP LAMP GND
54	V	STEP LAMP PWR
56	G	LEFT SEAT SW SIG (LIN)
57	Y	LEFT SEAT SW GND
58	R	RIGHT SEAT SW PWR
59	BR	AMBIENT LAMP (FR DOOR GRIP) GND
60	G	AMBIENT LAMP (FR DOOR GRIP) PWR

Connector No.	D34
Connector Name	AMBIENT LAMP (FRONT DOOR GRIP LH)
Connector Type	MB_A0375456328

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	-
2	G	-

Connector No.	D35
Connector Name	AMBIENT LAMP (FRONT DOOR INSIDE HANDLE LH)
Connector Type	MB_A0375456328

H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
2	W	-

Connector No.	D36
Connector Name	STEP LAMP (LH)
Connector Type	MB_A0375455928

H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
1	P	-
2	V	-

Connector No.	D42
Connector Name	DOOR MIRROR LH
Connector Type	TH24MW-NH

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	-
2	G	-
4	BR	-
5	B	-
6	L	-
7	L	-
8	O	-
9	O	-
10	L	-
11	Y	-
12	P	-
13	W	-
14	V	-
16	V	-
17	SHIELD	-
18	W	-
19	B	-
21	G	-
22	GR	-
23	B	-
24	BR	-

JRLWG1056GB

INTERIOR ROOM LAMP CONTROL SYSTEM

Connector No.	D55
Connector Name	RIGHT FRONT DOOR CONTROL UNIT
Connector Type	MB_A00254062812

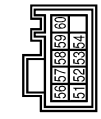


Terminal No.	Color Of Wire	Signal Name [Specification]
21	BR	BODY CAN 1-L
22	R	BODY CAN 1-H
24	BR	GROUND
25	R	BATTERY POWER SUPPLY

Connector No.	D57
Connector Name	RIGHT FRONT DOOR CONTROL UNIT
Connector Type	MB_A00254078811

Terminal No.	Color Of Wire	Signal Name [Specification]
11	L	AMBIENT LAMP (OUTSIDE MIRROR) PWR
12	P	AMBIENT LAMP (OUTSIDE MIRROR) GND
13	L	BSW INDICATOR STANDBY SIG
14	B	DOOR MIRROR LH OPEN
15	B	DOOR MIRROR LH CLOSE
16	L	BSW INDICATOR WARNING SIG
17	O	HORIZONTAL INCLINATION SIG
18	O	POTENTIONMETER GND
19	BR	VERTICAL INCLINATION SIG
20	Y	POTENTIONMETER PWR

Connector No.	D60
Connector Name	RIGHT FRONT DOOR CONTROL UNIT
Connector Type	MB_A02554597726



Terminal No.	Color Of Wire	Signal Name [Specification]
51	W	AMBIENT LAMP (FR INSIDE HANDLE) PWR
52	B	AMBIENT LAMP (FR INSIDE HANDLE) GND
53	P	STEP LAMP GND
54	V	STEP LAMP PWR
56	G	RIGHT SEAT SW SIG (LIN)
57	Y	RIGHT SEAT SW GND
58	R	RIGHT SEAT SW PWR
59	BR	AMBIENT LAMP (FR DOOR GRIP) PWR
60	G	AMBIENT LAMP (FR DOOR GRIP) GND

Connector No.	D84
Connector Name	AMBIENT LAMP (FRONT DOOR GRIP RH)
Connector Type	MB_A03754563281

Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	-
2	G	-

Connector No.	D85
Connector Name	AMBIENT LAMP (FRONT DOOR INSIDE HANDLE RH)
Connector Type	MB_A03754563281



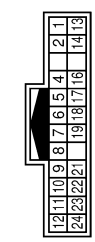
Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
2	W	-

Connector No.	D86
Connector Name	STEP LAMP (RH)
Connector Type	MB_A03754559281



Terminal No.	Color Of Wire	Signal Name [Specification]
1	P	-
2	V	-

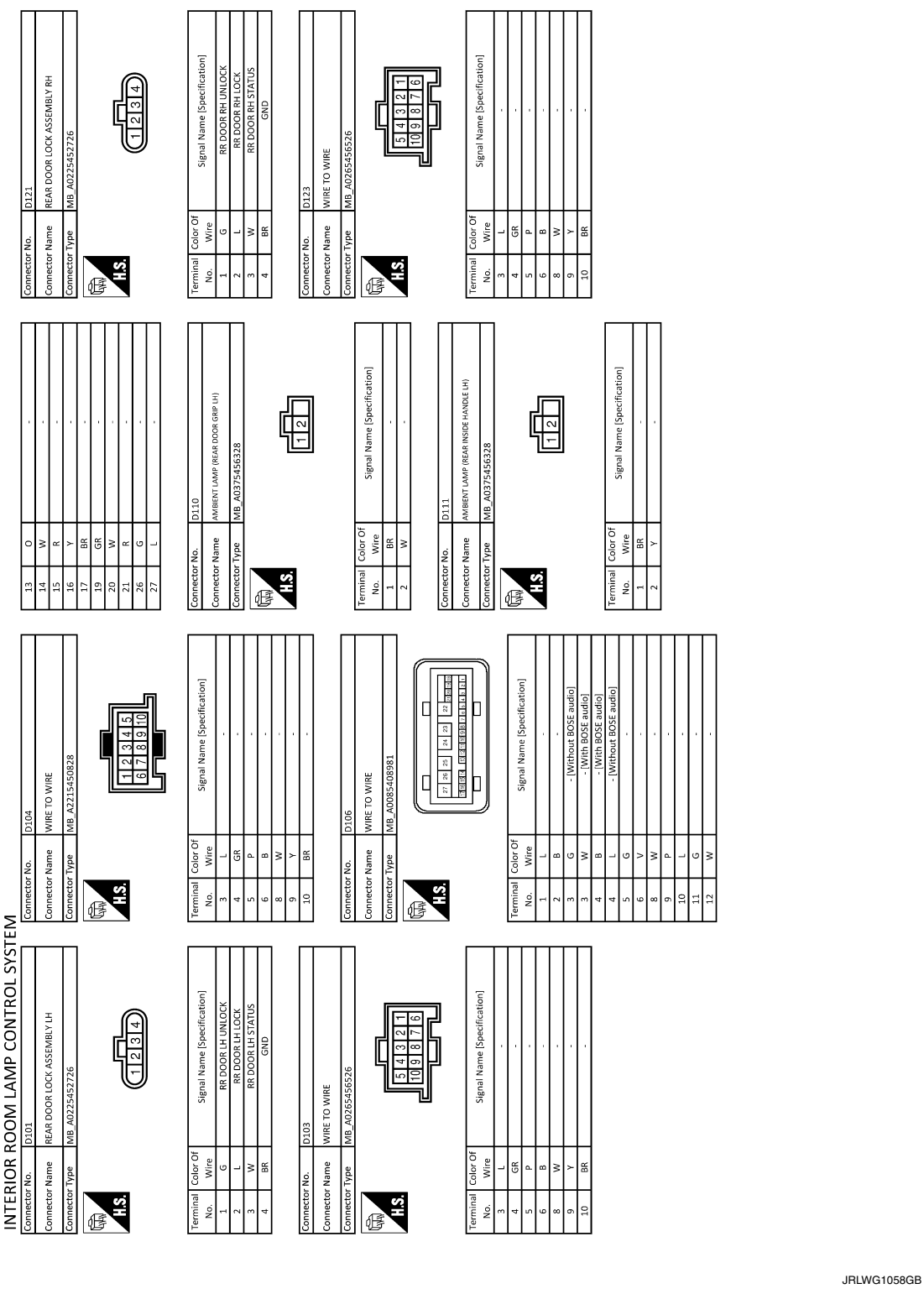
Connector No.	D92
Connector Name	DOOR MIRROR RH
Connector Type	TH24MW-NH



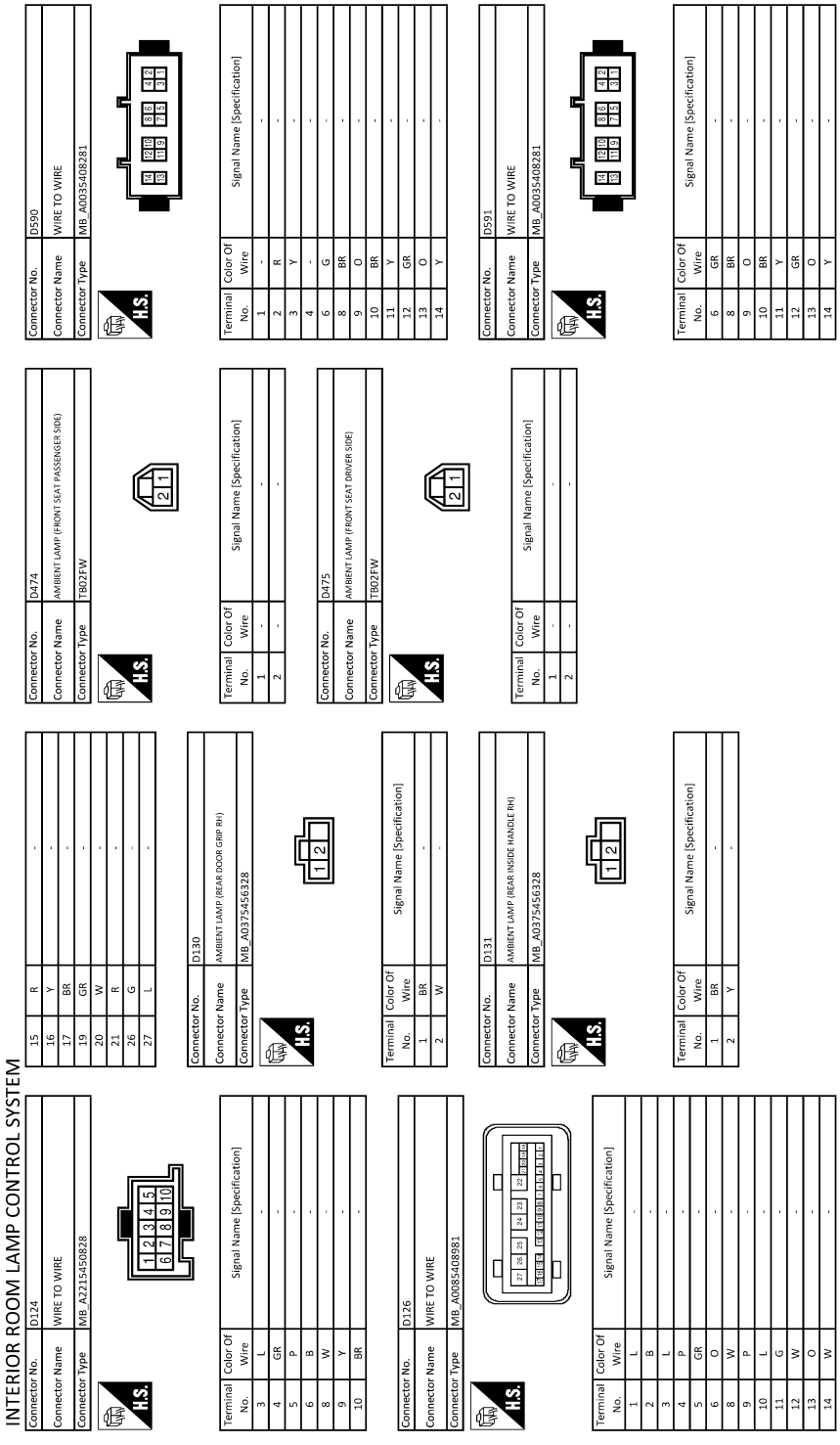
Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	-
2	GR	-
4	L	-
5	B	-
6	L	-
7	L	-
8	B	-
9	B	-
10	P	-
11	W	-
12	V	-
13	Y	-
14	O	-
16	P	-
17	SHIELD	-
18	W	-
19	G	-
21	BR	-
22	O	-
23	Y	-
24	O	-

JRLWG1057GB

INTERIOR ROOM LAMP CONTROL SYSTEM



JRLWG1058GB



JRLWG1059GB

INTERIOR ROOM LAMP CONTROL SYSTEM

Connector No.	D592
Connector Name	REAR FOOT LAMP (DRIVER SIDE)
Connector Type	TB02FW

H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
1	-	-
2	-	-

Connector No.	D593
Connector Name	REAR FOOT LAMP (PASSENGER SIDE)
Connector Type	TB02FW

H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
1	-	-
2	-	-

Connector No.	E14
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	MB_A0235458926

H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
115	R	BAT (VIA DECOUPLING RELAY)
117	R	BAT (VIA DECOUPLING RELAY)
118	BR	GND

Connector No.	E47
Connector Name	TCM
Connector Type	MB_A2465450026

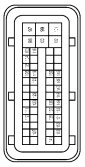
H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	CAN-L
2	V	NOT P
3	GR	CAN-H
5	W	BATTERY POWER SUPPLY

Connector No.	E48
Connector Name	ECM
Connector Type	MB_A0075406981

H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
97	R	POWER SUPPLY (ECM)
98	BR	ECM GROUND
99	V	POWER SUPPLY (ECM)
100	BR	ECM GROUND
101	R	POWER SUPPLY (ECM)
102	B	ECM GROUND
103	L	COOLING FAN CONTROL SIGNAL
104	R	SENSOR POWER SUPPLY (ACCELERATOR PEDAL POSITION SENSOR 3)
105	G	SENSOR POWER SUPPLY (ACCELERATOR PEDAL POSITION SENSOR 2)
106	BR	SENSOR GROUND (ACCELERATOR PEDAL POSITION SENSOR1)
111	B	IGNITION SIGNAL
112	Y	POWER SUPPLY (BATTERY)
116	W	STARTER RELAY-L
119	GR	SENSOR GROUND (ACCELERATOR PEDAL POSITION SENSOR 2)
120	O	SENSOR GROUND
122	R	HOT START SIGNAL
123	GR	MOTOR RELAY CONTROL SIGNAL
127	O	FUEL PUMP ON SIGNAL
132	G	ACCELERATOR PEDAL POSITION SENSOR 1
136	Y	POWERTRAIN SENSOR CAN-H
137	W	CAN-H
138	GR	POWERTRAIN CAN-H
141	B	WATER PUMP RELAY CONTROL SIGNAL
145	W	ACCELERATOR PEDAL POSITION SENSOR 2
146	G	FUEL TANK PRESSURE SENSOR
147	L	CRASH SIGNAL
148	W	STARTER RELAY-H
149	B	POWERTRAIN SENSOR CAN-L
150	G	CAN-L
151	L	POWERTRAIN CAN-L
152	V	EVAP CANISTER VENT CONTROL VALVE
153	BR	EVAP PURGE CONTROL VALVE

Connector No.	M3
Connector Name	STEERING COLUMN CONTROL MODULE
Connector Type	MB_A2045401281

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	CAN-L (CHASIS)
2	W	CAN-H (CHASIS)
3	BR	GND
4	R	KL30G
6	R	KL30
7	BR	GND
8	L	AB1+
9	Y	AB1-
10	V	AB2+
11	G	AB2-

Connector No.	M13
Connector Name	BACK DOOR LAMP
Connector Type	MB_A0375455928

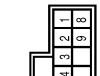
H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
2	V	-

JRLWG1060GB

INTERIOR ROOM LAMP CONTROL SYSTEM

Connector No.	M25
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	MB_A0075405081

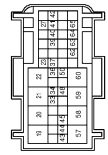


Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	ROTARY LIGHT SW GND
2	O	ROTARY LIGHT SW (PU/PR/TAIL)
3	R	ROTARY LIGHT SW (AUTO/LOW)
4	G	ROTARY LIGHT SW (FR FOG)
5	Y	-
7	GR	SWITCH INDICATOR
8	R	CAN-H (BODY 2)
9	BR	CAN-L (BODY 2)
12	O	LIN (IBS)
14	G	FOOT LAMP

Connector No.	M26
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	MB_A0235459826

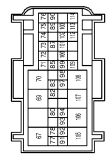
Terminal No.	Color Of Wire	Signal Name [Specification]
15	W	BAT (FUSE)
16	BR	BAT (FUSE)
17	R	BAT (FUSE)
18	B	GND

Connector No.	M27
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	MB_A1665400381



Terminal No.	Color Of Wire	Signal Name [Specification]
19	Y	RR POWER WINDOW MOTOR RH CONT (UP)
20	G	RR POWER WINDOW MOTOR RH CONT (DOWN)
21	B	RR POWER WINDOW MOTOR LH CONT (UP)
22	GR	RR POWER WINDOW MOTOR LH CONT (DOWN)
23	P	AIR BAG SIGNAL
27	GR	BACK DOOR OPENER SW
33	O	RR POWER WINDOW SW LH GND
34	BR	RR POWER WINDOW SW LH (DOWN)
36	O	RR POWER WINDOW SW LH (UP)
37	W	RR DOOR RH STATUS
39	Y	BACK DOOR STATUS
40	V	BACK DOOR LAMP
41	W	RR DOOR LH STATUS
42	V	LUGGAGE ROOM LAMP
43	GR	BACK-UP LAMP LH
44	W	HIGH-MOUNTED STOP LAMP
45	O	TAIL LAMP (BODY RH)
48	GR	TAIL LAMP (BK RH)
50	GR	-
57	Y	STOP LAMP (BODY LH)
58	B	REAR TURN SIGNAL RH
59	P	RR DOOR RH UNLOCK
60	G	RR DOOR RH LOCK
62	GR	LICENSE PLATE LAMP LH
63	W	HALL SENSOR LH SIGNAL
64	GR	HALL SENSOR LH GND
65	R	HALL SENSOR LH POWER SUPPLY

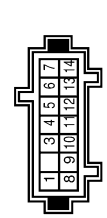
Connector No.	M28
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	MB_A1665400481



Terminal No.	Color Of Wire	Signal Name [Specification]
67	V	BACK DOOR UNLOCK
69	GR	STOP LAMP (BODY RH)
70	B	REAR TURN SIGNAL LH
71	GR	BACK-UP LAMP RH
72	Y	LICENSE PLATE LAMP RH
73	L	RR POWER WINDOW SW RH UP
74	B	RR POWER WINDOW SW RH DOWN
75	L	RR POWER WINDOW SW RH GND
76	GR	HALL SENSOR RH POWER SUPPLY
77	R	SUB BAT-
78	B	TERMINAL RELAY 15R1 CONT
80	B	REAR WIPER RELAY CONT
82	GR	TAIL LAMP (BODY LH)
83	P	TERMINAL RELAY 15R2 CONT
85	B	TAIL LAMP (BK LH)
87	R	BAT (VIA LATCHING TERMINAL RELAY 30G)
89	O	HALL SENSOR RH GND
90	V	HALL SENSOR RH SIGNAL
91	P	FUEL LEVEL SENSOR GND
92	L	FUEL LEVEL SENSOR
93	GR	FUEL LEVEL SENSOR
94	Y	FUEL FILLER LID STATUS
97	G	LATCHING TERMINAL RELAY 30G CONT 1
98	B	LATCHING TERMINAL RELAY 30G GND 1
99	W	LATCHING TERMINAL RELAY 30G GND 2
100	V	LATCHING TERMINAL RELAY 30G CONT 2
101	Y	REAR DOOR INSIDE HANDLE LAMP CONT
102	GR	AMBIENT LAMP CONT
103	V	SUB BAT RELAY CONT
105	G	RR DOOR LH UNLOCK
106	W	FUEL FILLER LID UNLOCK
107	L	RR DOOR LH LOCK
108	R	SUB BAT+
109	O	LIN (ROOF)
112	BR	CAN-L (BODY 1)
113	R	CAN-H (BODY 1)

114	B	INJECTION RELAY CONT

Connector No.	M33
Connector Name	WIRE TO WIRE
Connector Type	MB_A0365458728

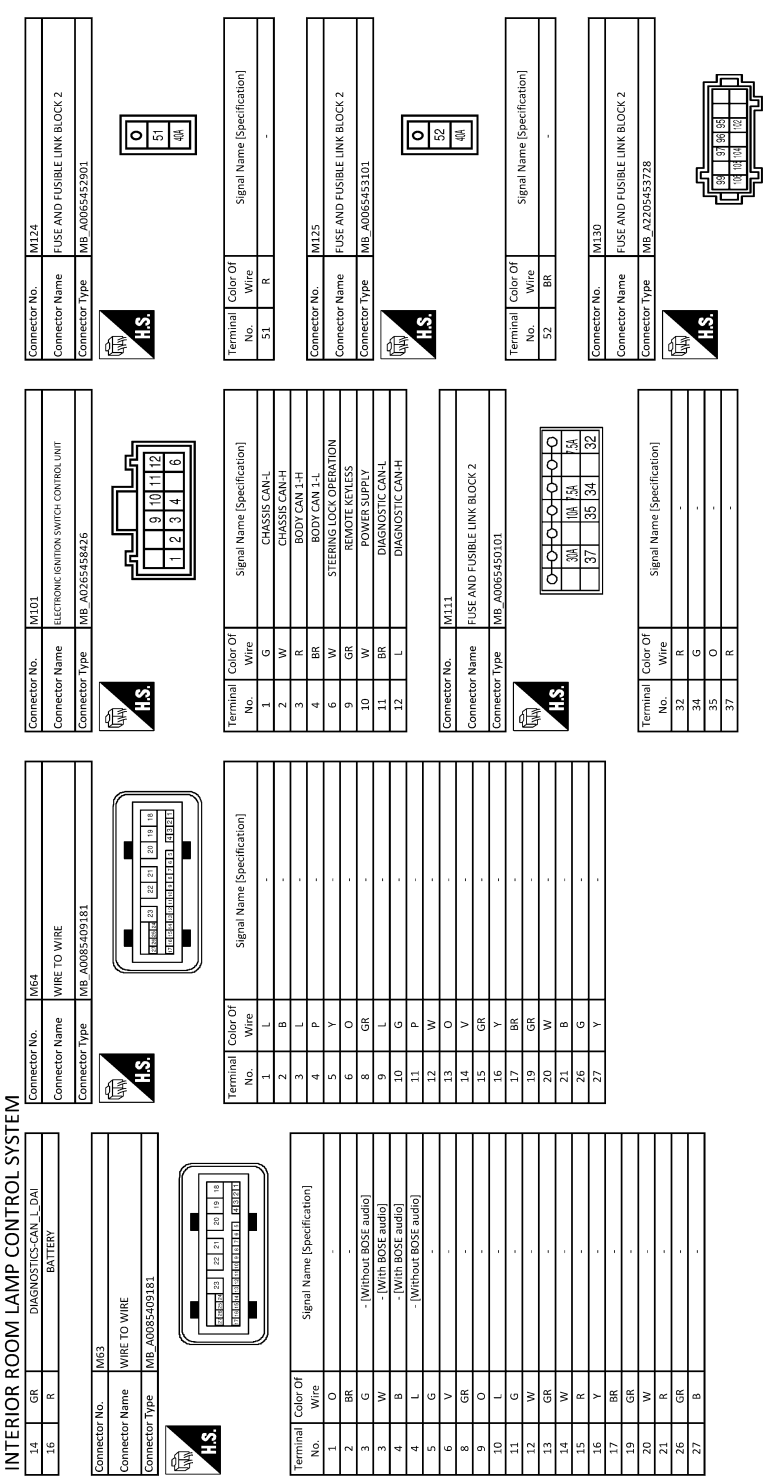


Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
3	R	-
4	B	-
5	W	-
6	B	-
7	G	-
8	R	-
9	V	-
10	BR	-
11	BR	-
14	BR	-

Connector No.	M43
Connector Name	DATA LINK CONNECTOR
Connector Type	BD16FW

Terminal No.	Color Of Wire	Signal Name [Specification]
4	B	CHASSIS_GND
5	B	ELECTRONICS_GND
6	GR	DIAGNOSTICS-CAN_H_DAI
8	W	IGN_SW
12	L	DIAGNOSTIC-CAN-L_NIS
13	V	DIAGNOSTIC-CAN_H_NIS

JRLWG1061GB



JRLWG1062GB

INTERIOR ROOM LAMP CONTROL SYSTEM

Terminal No.	Color Of Wire	Signal Name [Specification]
95	R	-
96	R	-
97	B	-
99	R	-
102	P	-
104	GR	-
105	V	-
106	W	-

Connector No.	M132
Connector Name	FRONT FOOT LAMP LH
Connector Type	JST_02CPT-B-2A



Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	-
2	GR	-

Connector No.	M133
Connector Name	FRONT FOOT LAMP RH
Connector Type	JST_02CPT-B-2A

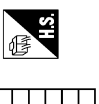
Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
2	GR	-

Connector No.	M140
Connector Name	AMBIENT LAMP (INSTRUMENT PANEL)
Connector Type	TH04FW-NH



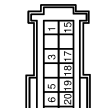
Terminal No.	Color Of Wire	Signal Name [Specification]
2	G	-
3	BR	-

Connector No.	M145
Connector Name	INSIDE REAR VIEW MIRROR
Connector Type	MB_A0385451228



Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	-
2	G	-
3	L	-
4	R	-

Connector No.	M149
Connector Name	INTELLIGENT KEY UNIT
Connector Type	MB_A0045407281

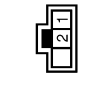


Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	GND
3	BR	GND
5	L	BODY CAN 1-L
6	Y	REAR INSIDE KEY ANTENNA SIG 1
7	G	OUTSIDE KEY ANTENNA RH SIG 1
8	W	OUTSIDE KEY ANTENNA LH SIG 1
11	GR	FRONT INSIDE KEY ANTENNA SIG 1
12	B	FR I-KEY DOOR HANDLE RH GND
15	R	FR I-KEY DOOR HANDLE LH GND
17	R	BATTERY POWER SUPPLY
18	B	BODY CAN 1-H
19	R	KEYLESS COMMUNICATION SIG
20	O	REAR INSIDE KEY ANTENNA RH SIG 2
21	V	OUTSIDE KEY ANTENNA LH SIG 2
22	B	OUTSIDE KEY ANTENNA SIG 2
25	V	FRONT INSIDE KEY ANTENNA SIG 2
26	P	FR I-KEY DOOR HANDLE RH SIG

Connector No.	M150
Connector Name	REMOTE KEYLESS ENTRY RECEIVER
Connector Type	MB_A0365456728

Terminal No.	Color Of Wire	Signal Name [Specification]
2	P	BATTERY POWER SUPPLY
3	B	KEYLESS COMMUNICATION SIG

Connector No.	M159
Connector Name	AMBIENT LAMP (REAR SEAT LH)
Connector Type	MB_A0525458528



Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
2	GR	-

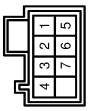
Connector No.	M160
Connector Name	AMBIENT LAMP (REAR SEAT RH)
Connector Type	MB_A0525458528

Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	-
2	L	-

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INTERIOR ROOM LAMP CONTROL SYSTEM

Connector No.	M171
Connector Name	OVERHEAD CONTROL PANEL CONTROL UNIT
Connector Type	MB_A0255458926



Terminal No.	Color Of Wire	Signal Name [Specification]
1	O	COMM LINE
2	L	INSIDE MIRROR LAMP LH PWR
3	R	INSIDE MIRROR LAMP RH PWR
4	W	INSIDE MIRROR PWR
5	BR	INSIDE MIRROR LAMP GND
6	G	AMBIENT LAMP (INSIDE MIRROR) PWR
7	BR	INSIDE MIRROR GND

Connector No.	M172
Connector Name	OVERHEAD CONTROL PANEL CONTROL UNIT
Connector Type	MB_A0025406781

Terminal No.	Color Of Wire	Signal Name [Specification]
11	O	LIN (ROOF)
12	B	GND
13	G	BATTERY POWER SUPPLY
14	O	BATTERY POWER SUPPLY

Connector No.	M205
Connector Name	WIRE TO WIRE
Connector Type	MB_A0465455228

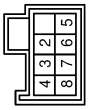


Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	-
2	R	-
3	Y	-
6	G	-
8	BR	-
9	O	-
10	BR	-
11	Y	-
12	GR	-
13	O	-
14	Y	-

Connector No.	M206
Connector Name	WIRE TO WIRE
Connector Type	MB_A0465455228

Terminal No.	Color Of Wire	Signal Name [Specification]
6	GR	-
8	BR	-
9	O	-
10	BR	-
11	Y	-
12	GR	-
13	O	-
14	Y	-

Connector No.	M219
Connector Name	ROTARY LIGHT SWITCH
Connector Type	MB_A0255458826



Terminal No.	Color Of Wire	Signal Name [Specification]
2	GR	-
3	Y	-
4	B	-
5	G	-
6	R	-
7	O	-
8	W	-

Connector No.	M221
Connector Name	LUGGAGE ROOM LAMP
Connector Type	MB_A0375455928

Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
2	V	-

Connector No.	M231
Connector Name	AMBIENT LAMP (CUP HOLDER)
Connector Type	TH04FW-NH

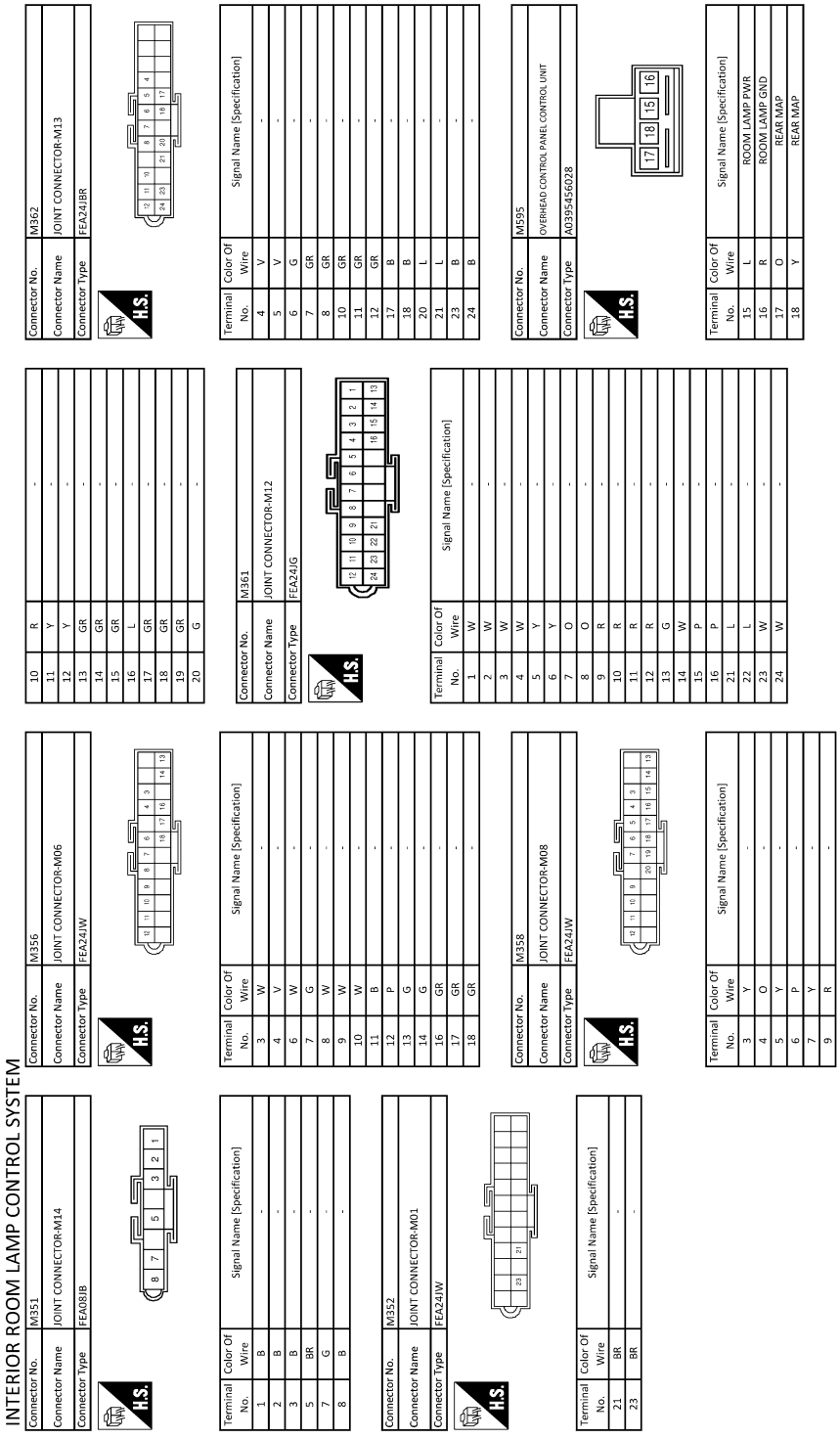


Terminal No.	Color Of Wire	Signal Name [Specification]
2	G	-
3	Y	-

Connector No.	M235
Connector Name	WIRE TO WIRE
Connector Type	MB_A2205459928

Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
3	B	-
4	Y	-
5	W	-
6	B	-
7	G	-
8	R	-
9	V	-
10	L	-
11	BR	-
14	BR	-

JRLWG1064GB

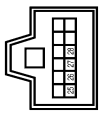


JRLWG1065GB

INTERIOR ROOM LAMP CONTROL SYSTEM

Connector No.	M598
Connector Name	OVERHEAD CONTROL PANEL CONTROL UNIT
Connector Type	A0265458426

H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
25	BR	VANITY MIRROR LAMP RH GND
26	O	VANITY MIRROR LAMP RH PWR
27	Y/G	VANITY MIRROR LAMP LH GND
28	B/GR	VANITY MIRROR LAMP LH PWR

Connector No.	R1
Connector Name	ROOM LAMP (WITH REAR MAP LAMP)
Connector Type	A0375458628

H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
1	-	-
3	-	-
4	-	-

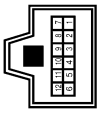
Connector No.	M601
Connector Name	WIRE TO WIRE
Connector Type	A0395456028

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
16	-	-
17	-	-
18	-	-
19	-	-

Connector No.	R11
Connector Name	WIRE TO WIRE
Connector Type	A0265458426

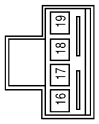
H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
1	-	-
2	-	-
3	-	-
4	-	-

Connector No.	R13
Connector Name	WIRE TO WIRE
Connector Type	A0395456028

H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
16	-	-
17	-	-
18	-	-
19	-	-

Connector No.	R16
Connector Name	ROOM LAMP
Connector Type	A0375455928

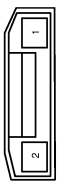
H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
1	-	-
2	-	-

Connector No.	R19
Connector Name	VANITY MIRROR RH
Connector Type	A0285459728

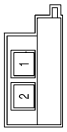
H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
1	-	-
2	-	-

Connector No.	R20
Connector Name	VANITY MIRROR LAMP RH
Connector Type	A0375455928

H.S.



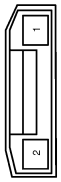
Terminal No.	Color Of Wire	Signal Name [Specification]
1	-	-
2	-	-

JRLWG1066GB

INTERIOR ROOM LAMP CONTROL SYSTEM

Connector No.	R21
Connector Name	VANITY MIRROR LH
Connector Type	A02B5459728

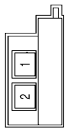
H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
1	-	-
2	-	-

Connector No.	R22
Connector Name	VANITY MIRROR LAMP LH
Connector Type	A0375455928

H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
1	-	-
2	-	-

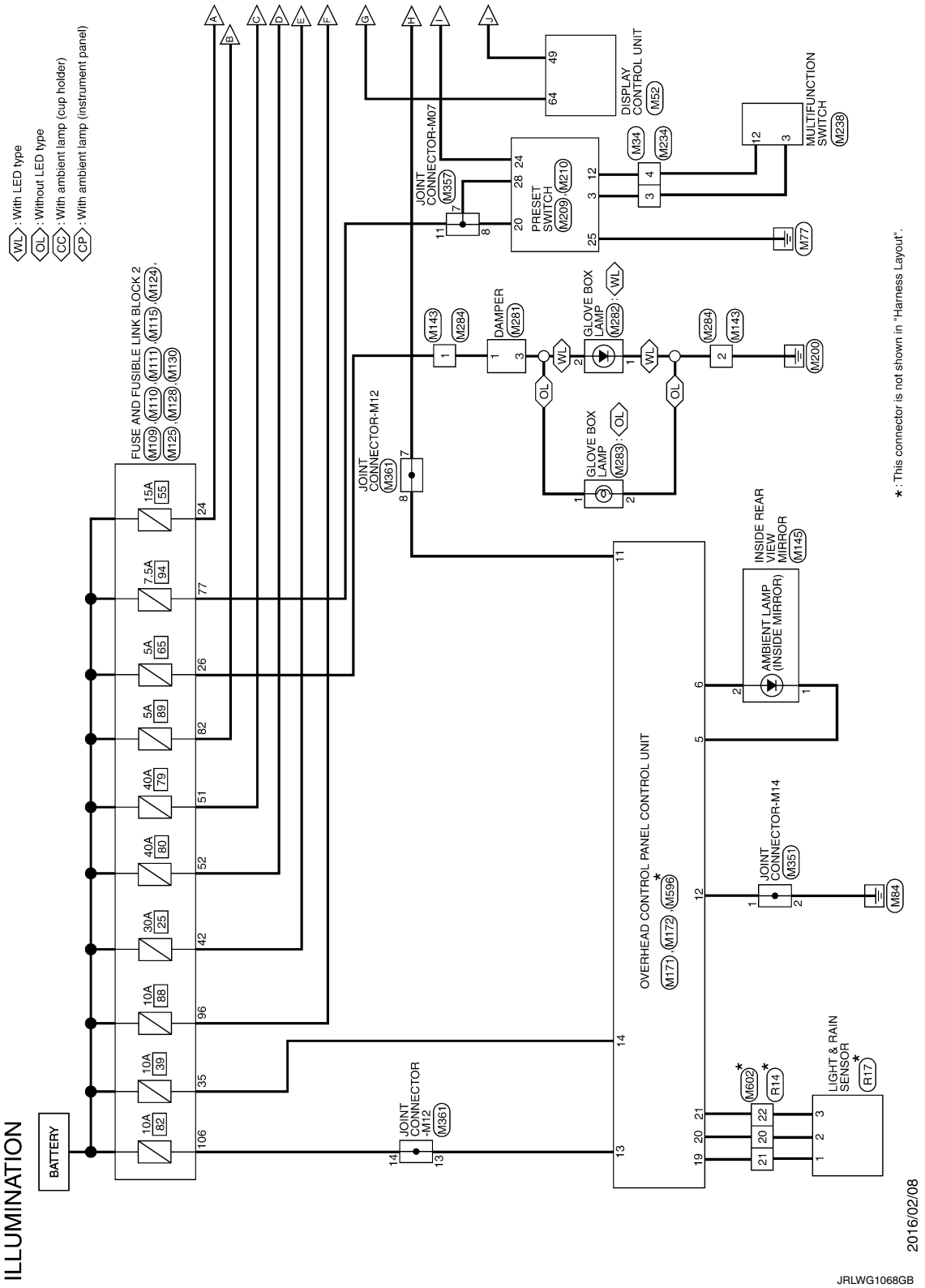
JRLWG1067GB

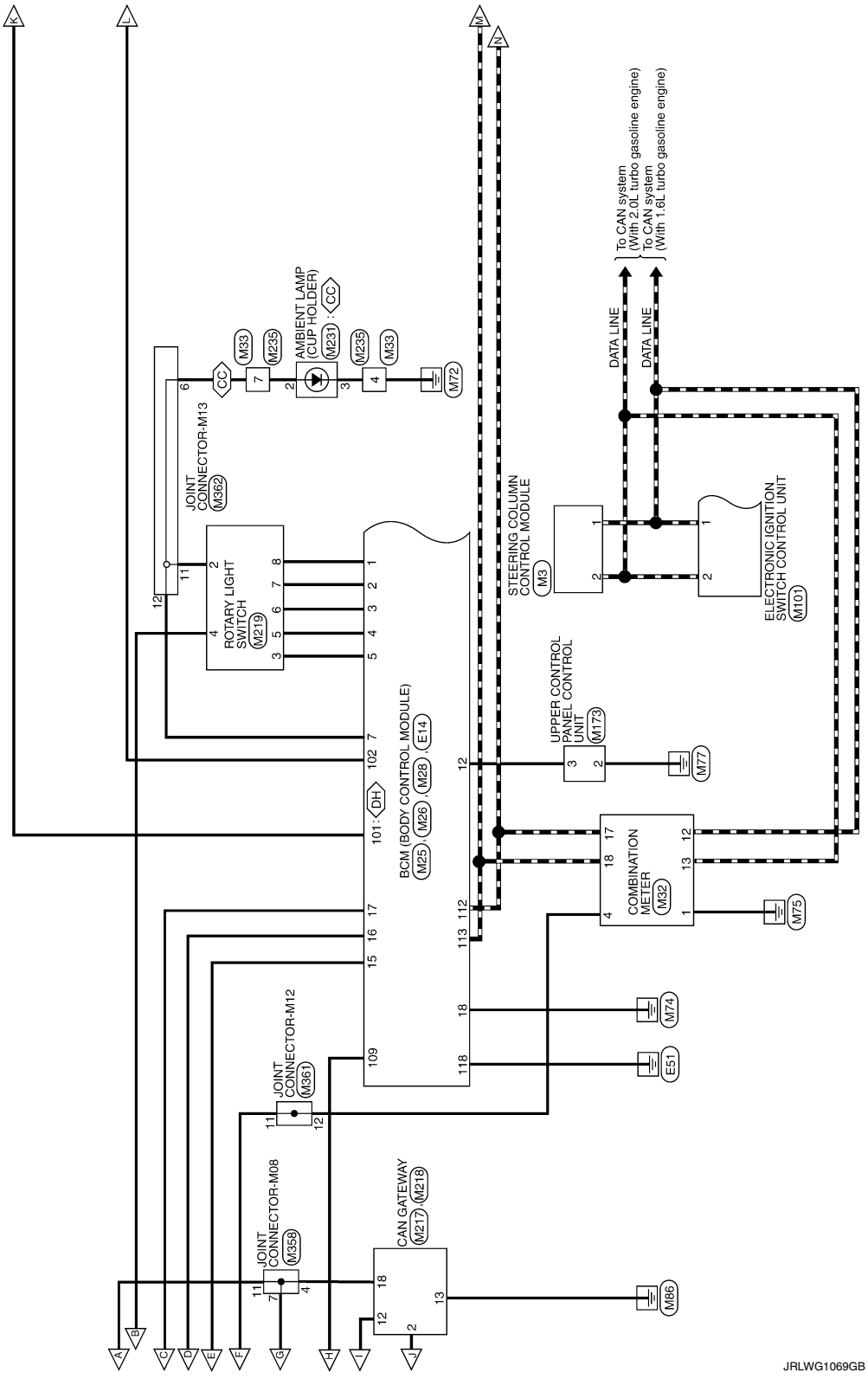
< WIRING DIAGRAM >

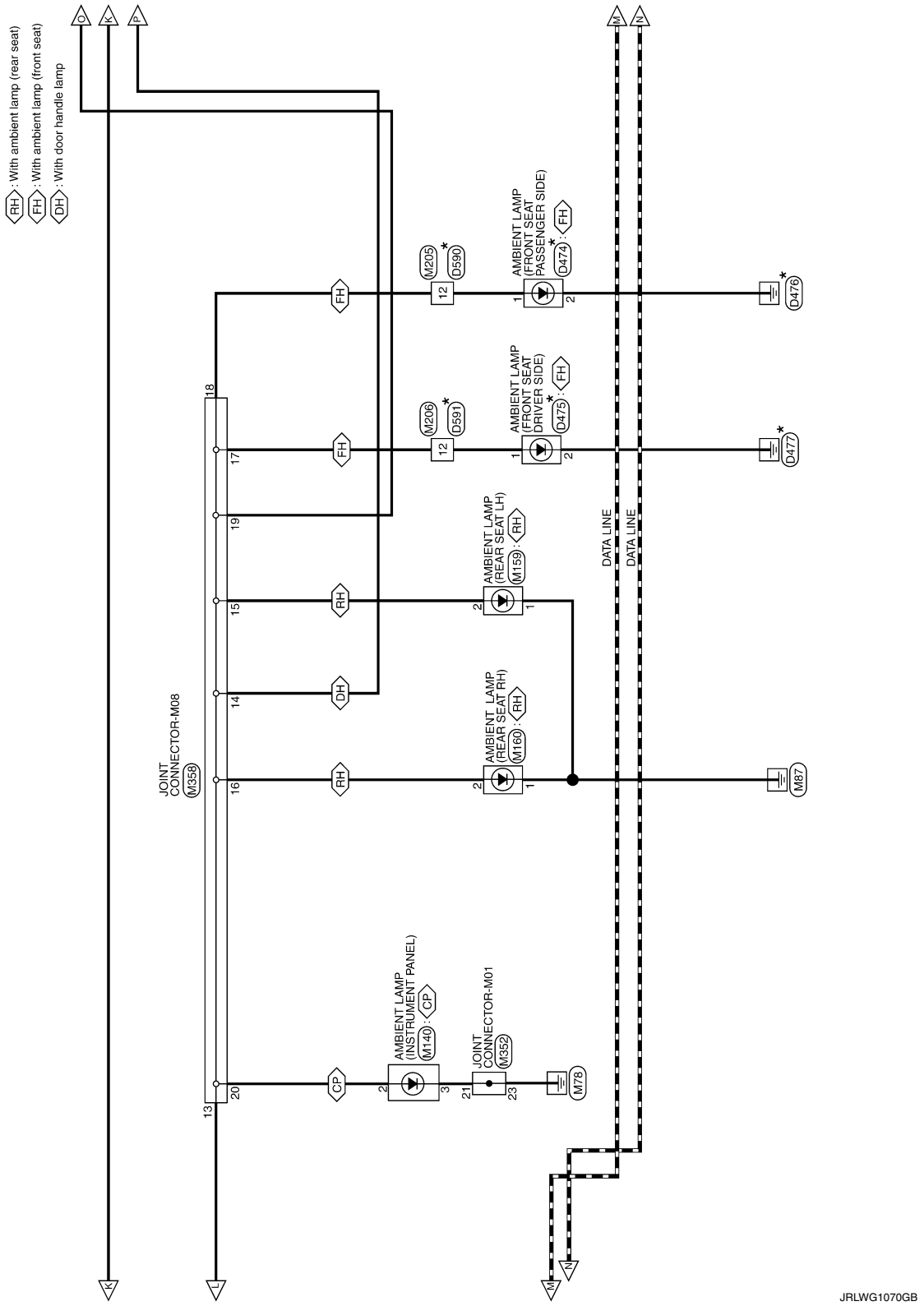
ILLUMINATION

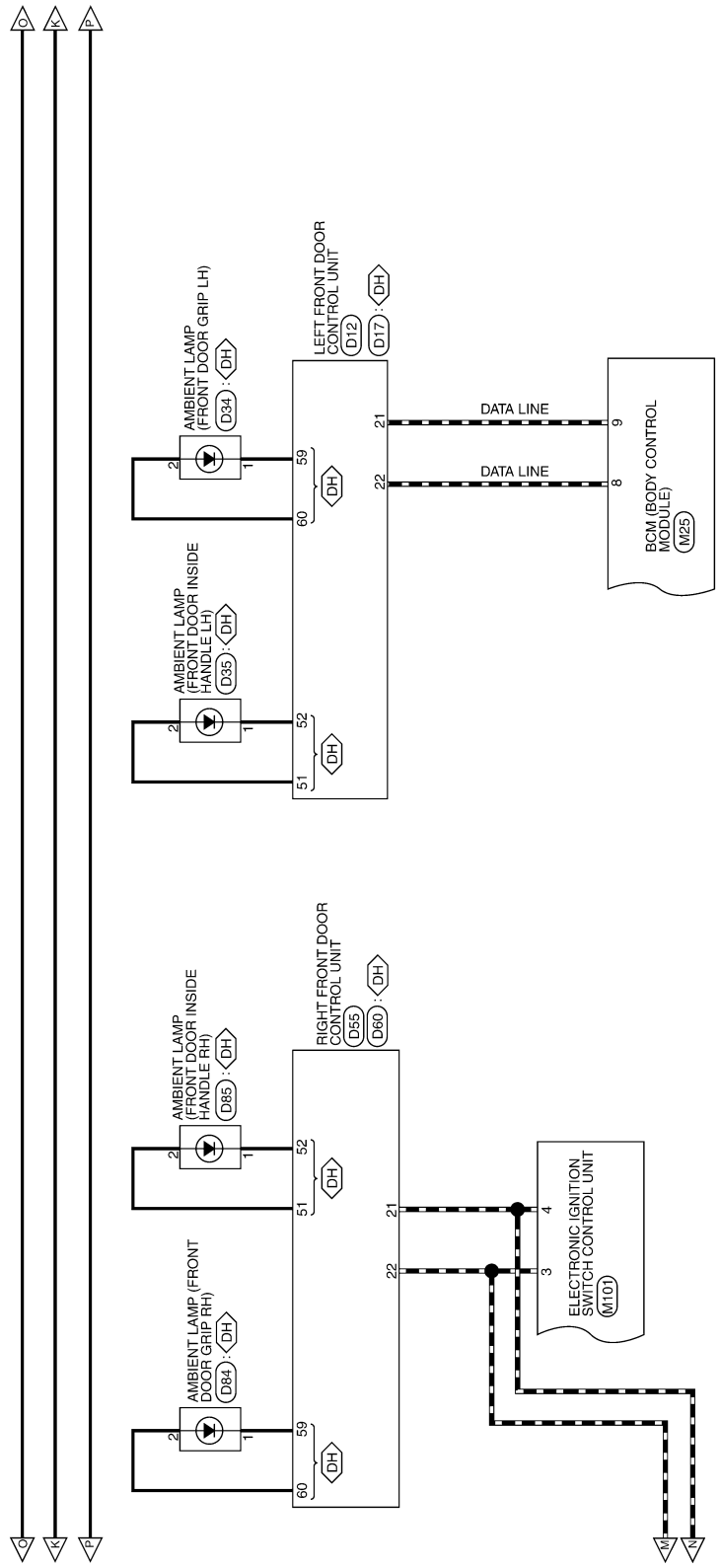
Wiring Diagram

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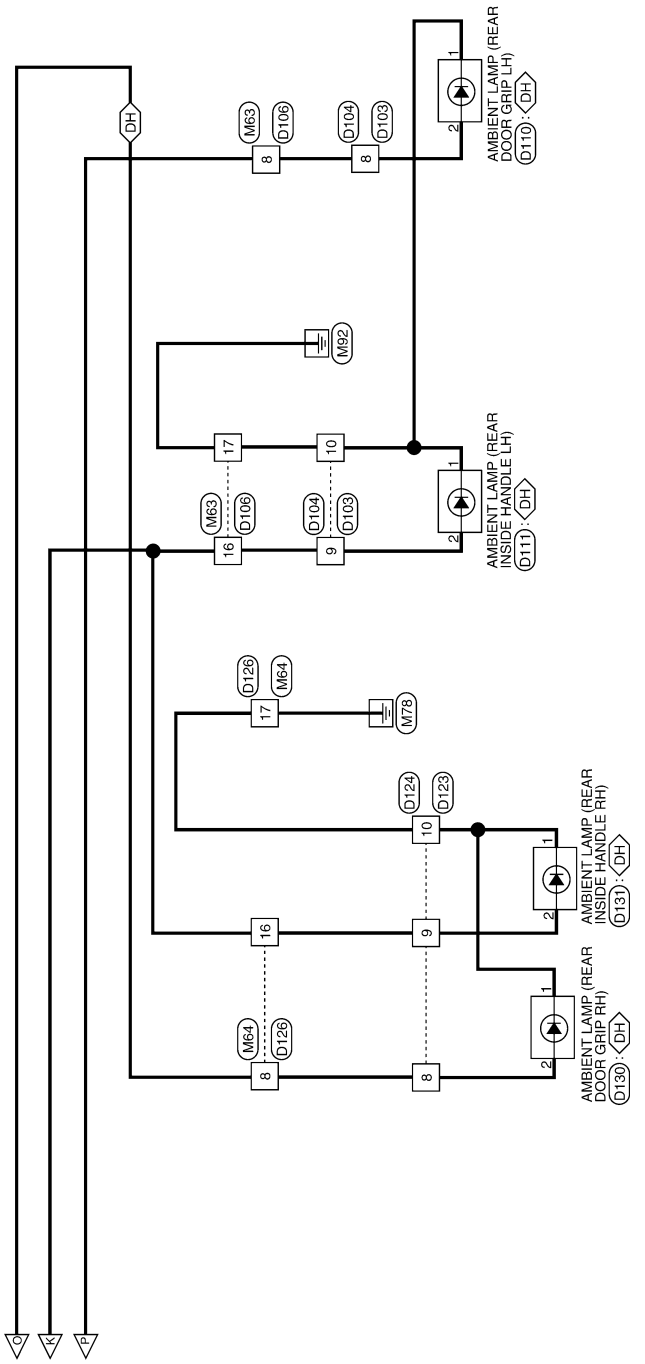



To CAN system
(With 2.0L turbo gasoline engine)
To CAN system
(With 1.6L turbo gasoline engine)
DATA LINE
DATA LINE
AMBIENT LAMP
(CUP HOLDER)
M231
CC
M33
M235
M72
JOINT
CONNECTOR-M13
M362
ROTARY LIGHT
SWITCH
M219
STEERING COLUMN
CONTROL MODULE
M3
ELECTRONIC IGNITION
SWITCH CONTROL UNIT
M101
UPPER CONTROL
PANEL CONTROL
UNIT
M173
M77
BCM (BODY CONTROL MODULE)
M25, M26, M28, E14
DH
COMBINATION
METER
M32
M75
JOINT
CONNECTOR-M12
M361
M74
E51
JOINT
CONNECTOR-M08
M358
CAN GATEWAY
M217
M218
M86
JRLWG1069GB


RH : With ambient lamp (rear seat)
FH : With ambient lamp (front seat)
DH : With door handle lamp
AMBIENT LAMP (FRONT SEAT PASSENGER SIDE) : FH
AMBIENT LAMP (FRONT SEAT DRIVER SIDE) : FH
AMBIENT LAMP (REAR SEAT LH) : RH
AMBIENT LAMP (REAR SEAT RH) : RH
AMBIENT LAMP (INSTRUMENT PANEL) : CP
JOINT CONNECTOR-M08
JOINT CONNECTOR-M01
DATA LINE
DATA LINE
JRLWG1070GB



JRLWG1071GB



JRLWG1072GB

ILLUMINATION

Connector No.	D17
Connector Name	LEFT FRONT DOOR CONTROL UNIT
Connector Type	MB_A0255459726

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
51	W	AMBIENT LAMP (FR INSIDE HANDLE) PWR
52	B	AMBIENT LAMP (FR INSIDE HANDLE) GND
53	P	STEP LAMP GND
54	V	STEP LAMP PWR
56	G	LEFT SEAT SW SIG (LIN)
57	Y	LEFT SEAT SW GND
58	R	RIGHT SEAT SW PWR
59	BR	AMBIENT LAMP (FR DOOR GRIP) GND
60	G	AMBIENT LAMP (FR DOOR GRIP) PWR

Connector No.	D34
Connector Name	AMBIENT LAMP (FRONT DOOR GRIP LH)
Connector Type	MB_A0375456328

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	-
2	G	-

Connector No.	D35
Connector Name	AMBIENT LAMP (FRONT DOOR INSIDE HANDLE LH)
Connector Type	MB_A0375456328

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
2	W	-

Connector No.	D55
Connector Name	RIGHT FRONT DOOR CONTROL UNIT
Connector Type	MB_A0025406281

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
21	BR	BODY CAN 1-L
22	R	BODY CAN 1-H
24	BR	GROUND
25	R	BATTERY POWER SUPPLY

Connector No.	D60
Connector Name	RIGHT FRONT DOOR CONTROL UNIT
Connector Type	MB_A0255459726

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
51	W	AMBIENT LAMP (FR INSIDE HANDLE) PWR
52	B	AMBIENT LAMP (FR INSIDE HANDLE) GND
53	P	STEP LAMP GND
54	V	STEP LAMP PWR
56	G	RIGHT SEAT SW SIG (LIN)
57	Y	RIGHT SEAT SW GND
58	R	RIGHT SEAT SW PWR
59	BR	AMBIENT LAMP (FR DOOR GRIP) GND
60	G	AMBIENT LAMP (FR DOOR GRIP) PWR

Connector No.	D84
Connector Name	AMBIENT LAMP (FRONT DOOR GRIP RH)
Connector Type	MB_A0375456328

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	-
2	G	-

Connector No.	D85
Connector Name	AMBIENT LAMP (FRONT DOOR INSIDE HANDLE RH)
Connector Type	MB_A0375456328

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
2	W	-

Connector No.	D103
Connector Name	WIRE TO WIRE
Connector Type	MB_A0265456526

H.S.

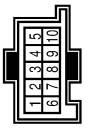
Terminal No.	Color Of Wire	Signal Name [Specification]
3	L	-
4	GR	-
5	P	-
6	B	-
8	W	-
9	Y	-
10	BR	-

JRLWG1073GB

ILLUMINATION

Connector No.	D104
Connector Name	WIRE TO WIRE
Connector Type	MB_A2215450828

H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
3	L	-
4	GR	-
5	P	-
6	B	-
8	W	-
9	Y	-
10	BR	-

Connector No.	D106
Connector Name	WIRE TO WIRE
Connector Type	MB_A0085408981

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	-
2	B	-
3	G	- [Without BOSE audio]
3	W	- [With BOSE audio]
4	B	- [With BOSE audio]
4	L	- [Without BOSE audio]
5	G	-
6	V	-
8	W	-
9	P	-
10	L	-
11	G	-
12	W	-

13	O	-
14	W	-
15	R	-
16	Y	-
17	BR	-
19	GR	-
20	W	-
21	R	-
26	G	-
27	L	-

Connector No.	D110
Connector Name	AMBIENT LAMP (REAR DOOR GRIP LH)
Connector Type	MB_A0375456328

H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	-
2	W	-

Connector No.	D111
Connector Name	AMBIENT LAMP (REAR INSIDE HANDLE LH)
Connector Type	MB_A0375456328

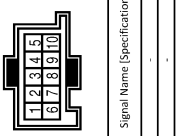
H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	-
2	Y	-

Connector No.	D123
Connector Name	WIRE TO WIRE
Connector Type	MB_A0265456526

H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
3	L	-
4	GR	-
5	P	-
6	B	-
8	W	-
9	Y	-
10	BR	-

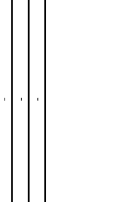
Connector No.	D124
Connector Name	WIRE TO WIRE
Connector Type	MB_A2215450828

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
3	L	-
4	GR	-
5	P	-
6	B	-
8	W	-
9	Y	-
10	BR	-

Connector No.	D126
Connector Name	WIRE TO WIRE
Connector Type	MB_A0085408981

H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	-
2	B	-
3	L	-
4	P	-
5	GR	-
6	O	-
8	W	-
9	P	-
10	L	-
11	G	-
12	W	-
13	O	-
14	W	-
15	R	-
16	Y	-
17	BR	-
19	GR	-
20	W	-
21	R	-
26	G	-
27	L	-

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ILLUMINATION

Connector No.	D130
Connector Name	AMBIENT LAMP (REAR DOOR GRIP RH)
Connector Type	MB_A0375456328

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	-
2	W	-

Connector No.	D131
Connector Name	AMBIENT LAMP (REAR INSIDE HANDLE RH)
Connector Type	MB_A0375456328

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	-
2	Y	-

Connector No.	D474
Connector Name	AMBIENT LAMP (FRONT SEAT PASSENGER SIDE)
Connector Type	TB02FW

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	-	-
2	-	-

Connector No.	D475
Connector Name	AMBIENT LAMP (FRONT SEAT DRIVER SIDE)
Connector Type	TB02FW

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	-	-
2	-	-

Connector No.	D590
Connector Name	WIRE TO WIRE
Connector Type	MB_A0035408281

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	-	-
2	R	-
3	Y	-
4	-	-
6	G	-
8	BR	-
9	O	-
10	BR	-
11	Y	-
12	GR	-
13	O	-
14	Y	-

Connector No.	D591
Connector Name	WIRE TO WIRE
Connector Type	MB_A0035408281

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
6	GR	-
8	BR	-
9	O	-
10	BR	-
11	Y	-
12	GR	-
13	O	-
14	Y	-

Connector No.	E14
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	MB_A0235458926

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
115	R	BAT (VIA DECOUPLING RELAY)
117	R	BAT (VIA DECOUPLING RELAY)
118	BR	GND

Connector No.	M3
Connector Name	STEERING COLUMN CONTROL MODULE
Connector Type	MB_A2045401281

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	CAN-L (CHASIS)
2	W	CAN-H (CHASIS)
3	BR	GND
4	R	KL30G
6	R	KL30
7	BR	GND
8	L	AB1+
9	Y	AB1-
10	V	AB2+
11	G	AB2-

JRLWG1075GB

ILLUMINATION

Connector No.	M25
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	MB_A0075405081

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	ROTARY LIGHT SW GND
2	O	ROTARY LIGHT SW (PU/PR/TAIL)
3	R	ROTARY LIGHT SW (AUTO/LOW)
4	G	ROTARY LIGHT SW (FR FOG)
5	Y	-
7	GR	SWITCH INDICATOR
8	R	CAN-H (BODY 2)
9	BR	CAN-L (BODY 2)
12	O	LIN (IBS)
14	G	FOOT LAMP

Connector No.	M26
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	MB_A0235459826

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
15	W	BAT (FUSE)
16	BR	BAT (FUSE)
17	R	BAT (FUSE)
18	B	GND

Connector No.	M28
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	MB_A1665400481

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
67	V	BACK DOOR UNLOCK
69	GR	STOP LAMP (BODY RH)
70	B	REAR TURN SIGNAL LH
71	GR	BACK-UP LAMP RH
72	Y	LICENSE PLATE LAMP RH
73	L	RR POWER WINDOW SW RH UP
74	B	RR POWER WINDOW SW RH DOWN
75	L	RR POWER WINDOW SW RH GND
76	GR	HALL SENSOR RH POWER SUPPLY
77	R	SUB BAT-
78	B	TERMINAL RELAY 15R1 CONT
80	B	REAR WIPER RELAY CONT
82	GR	TAIL LAMP (BODY LH)
83	P	TERMINAL RELAY 15R2 CONT
85	B	TAIL LAMP (BK LH)
87	R	BAT (VIA LATCHING TERMINAL RELAY 30G)
89	O	HALL SENSOR RH GND
90	V	HALL SENSOR RH SIGNAL
91	P	FUEL LEVEL SENSOR GND
92	L	FUEL LEVEL SENSOR
93	GR	FUEL LEVEL SENSOR
94	Y	FUEL FILLER LID STATUS
97	G	LATCHING TERMINAL RELAY 30G CONT 1
98	B	LATCHING TERMINAL RELAY 30G GND 1
99	W	LATCHING TERMINAL RELAY 30G GND 2
100	V	LATCHING TERMINAL RELAY 30G CONT 2
101	Y	REAR DOOR INSIDE HANDLE LAMP CONT
102	GR	AMBIENT LAMP CONT
103	V	SUB BAT RELAY CONT
105	G	RR DOOR LH UNLOCK
106	W	FUEL FILLER LID UNLOCK
107	L	RR DOOR LH LOCK
108	R	SUB BAT+
109	O	LIN (ROOF)
112	BR	CAN-L (BODY 1)
113	R	CAN-H (BODY 1)

114	B	INJECTION RELAY CONT

Connector No.	M32
Connector Name	COMBINATION METER
Connector Type	MB_A0525452726

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	GROUND
4	R	BATTERY POWER SUPPLY
12	GR	CAN-L
13	W	CAN-H
17	BR	CAN-L
18	R	CAN-H

Connector No.	M33
Connector Name	WIRE TO WIRE
Connector Type	MB_A0365458728

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
3	R	-
4	B	-
5	W	-
6	B	-
7	G	-
8	R	-
9	V	-
10	BR	-
11	BR	-
14	BR	-

Connector No.	M34
Connector Name	WIRE TO WIRE
Connector Type	MB_A2205459228

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
3	BR	-
4	V	-
5	L	-
6	W	-
7	R	-
8	Y	-
9	L	-
10	G	-
11	B	-
12	R	-
13	B	-
14	GR	-

Connector No.	M52
Connector Name	DISPLAY CONTROL UNIT
Connector Type	TH24FW-NH

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
46	G	AV COMMUNICATION SIGNAL (L)
47	P	CAN-L
49	R	DIMMER SIGNAL
50	BR	REVERSE SIGNAL
52	B	GROUND
56	BR	CAMERA SWITCH SIGNAL
58	Y	AV COMMUNICATION SIGNAL (H)
59	L	CAN-H

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ILLUMINATION

60	W	IGNITION SIGNAL
61	R	VEHICLE SPEED SIGNAL (8-PLUSE)
63	L	ACC POWER SUPPLY
64	Y	BATTERY POWER SUPPLY

Connector No.	M63
Connector Name	WIRE TO WIRE
Connector Type	MB_A0085409181

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	O	-
2	BR	-
3	G	- [Without BOSE audio]
3	W	- [With BOSE audio]
4	B	- [With BOSE audio]
4	L	- [Without BOSE audio]
5	G	-
6	V	-
8	GR	-
9	O	-
10	L	-
11	G	-
12	W	-
13	GR	-
14	W	-
15	R	-
16	Y	-
17	BR	-
19	GR	-
20	W	-
21	R	-
26	GR	-
27	B	-

Connector No.	M64
Connector Name	WIRE TO WIRE
Connector Type	MB_A0085409181

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	-
2	B	-
3	L	-
4	P	-
5	Y	-
6	O	-
8	GR	-
9	L	-
10	G	-
11	P	-
12	W	-
13	O	-
14	V	-
15	GR	-
16	Y	-
17	BR	-
19	GR	-
20	W	-
21	B	-
26	G	-
27	Y	-

Connector No.	M101
Connector Name	ELECTRONIC IGNITION SWITCH CONTROL UNIT
Connector Type	MB_A0265458426

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	CHASSIS CAN-L
2	W	CHASSIS CAN-H
3	R	BODY CAN 1-H
4	BR	BODY CAN 1-L
6	W	STEERING LOCK OPERATION
9	GR	REMOTE KEYLESS
10	W	POWER SUPPLY
11	BR	DIAGNOSTIC CAN-L
12	L	DIAGNOSTIC CAN-H

Connector No.	M109
Connector Name	FUSE AND FUSIBLE LINK BLOCK 2
Connector Type	MB_A0055459901

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
24	Y	-

Connector No.	M110
Connector Name	FUSE AND FUSIBLE LINK BLOCK 2
Connector Type	MB_A0065450001

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
26	BR	-
31	R	-

Connector No.	M111
Connector Name	FUSE AND FUSIBLE LINK BLOCK 2
Connector Type	MB_A0065450101

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
32	R	-
34	G	-
35	O	-
37	R	-

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ILLUMINATION

Connector No.	M115
Connector Name	FUSE AND FUSIBLE LINK BLOCK 2
Connector Type	MB_A0065450901

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
42	W	-

Connector No.	M124
Connector Name	FUSE AND FUSIBLE LINK BLOCK 2
Connector Type	MB_A0065432901

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
51	R	-

Connector No.	M125
Connector Name	FUSE AND FUSIBLE LINK BLOCK 2
Connector Type	MB_A0065453101

H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
52	BR	-

Connector No.	M128
Connector Name	FUSE AND FUSIBLE LINK BLOCK 2
Connector Type	MB_A0395456128

H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
69	B	-
70	P	-
71	B	-
73	BR	-
74	B	-
75	G	-
76	R	-
77	Y	-
78	P	-
79	GR	-
81	O	-
82	B	-

Connector No.	M130
Connector Name	FUSE AND FUSIBLE LINK BLOCK 2
Connector Type	MB_A2205453728

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
95	R	-
96	R	-
97	B	-

99	R	-
102	P	-
104	GR	-
105	V	-
106	W	-

Connector No.	M140
Connector Name	AMBIENT LAMP (INSTRUMENT PANEL)
Connector Type	TH04FW-NH

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
2	G	-
3	BR	-

Connector No.	M143
Connector Name	WIRE TO WIRE
Connector Type	MB_A0435459628

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	-
2	B	-

Connector No.	M145
Connector Name	INSIDE REAR VIEW MIRROR
Connector Type	MB_A0385451228

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	-
2	G	-
3	L	-
4	R	-

Connector No.	M159
Connector Name	AMBIENT LAMP (REAR SEAT LH)
Connector Type	MB_A0525458528

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
2	GR	-

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ILLUMINATION

Connector No.	M160
Connector Name	AMBIENT LAMP (REAR SEAT RH)
Connector Type	MB_A0525458528

Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	-
2	L	-

Connector No.	M171
Connector Name	OVERHEAD CONTROL PANEL CONTROL UNIT
Connector Type	MB_A0255458926

Terminal No.	Color Of Wire	Signal Name [Specification]
1	O	COMM LINE
2	L	INSIDE MIRROR LAMP LH PWR
3	R	INSIDE MIRROR LAMP RH PWR
4	W	INSIDE MIRROR PWR
5	BR	INSIDE MIRROR LAMP GND
6	G	AMBIENT LAMP (INSIDE MIRROR) PWR
7	BR	INSIDE MIRROR GND

Connector No.	M172
Connector Name	OVERHEAD CONTROL PANEL CONTROL UNIT
Connector Type	MB_A0025406781

Terminal No.	Color Of Wire	Signal Name [Specification]
11	O	LIN (ROOF)
12	B	GND
13	G	BATTERY POWER SUPPLY
14	O	BATTERY POWER SUPPLY

Connector No.	M173
Connector Name	UPPER CONTROL PANEL CONTROL UNIT
Connector Type	MB_A0385451228

Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	PWR SPLY
2	BR	GND
3	O	LIN

Connector No.	M205
Connector Name	WIRE TO WIRE
Connector Type	MB_A0465455228

Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	-
2	R	-
3	Y	-
4	G	-
5	BR	-
6	O	-
7	BR	-
8	Y	-
9	GR	-
10	O	-
11	Y	-
12	GR	-
13	O	-
14	Y	-

Connector No.	M206
Connector Name	WIRE TO WIRE
Connector Type	MB_A0465455228

Terminal No.	Color Of Wire	Signal Name [Specification]
6	GR	-
8	BR	-
9	O	-
10	BR	-
11	Y	-
12	GR	-
13	O	-
14	Y	-

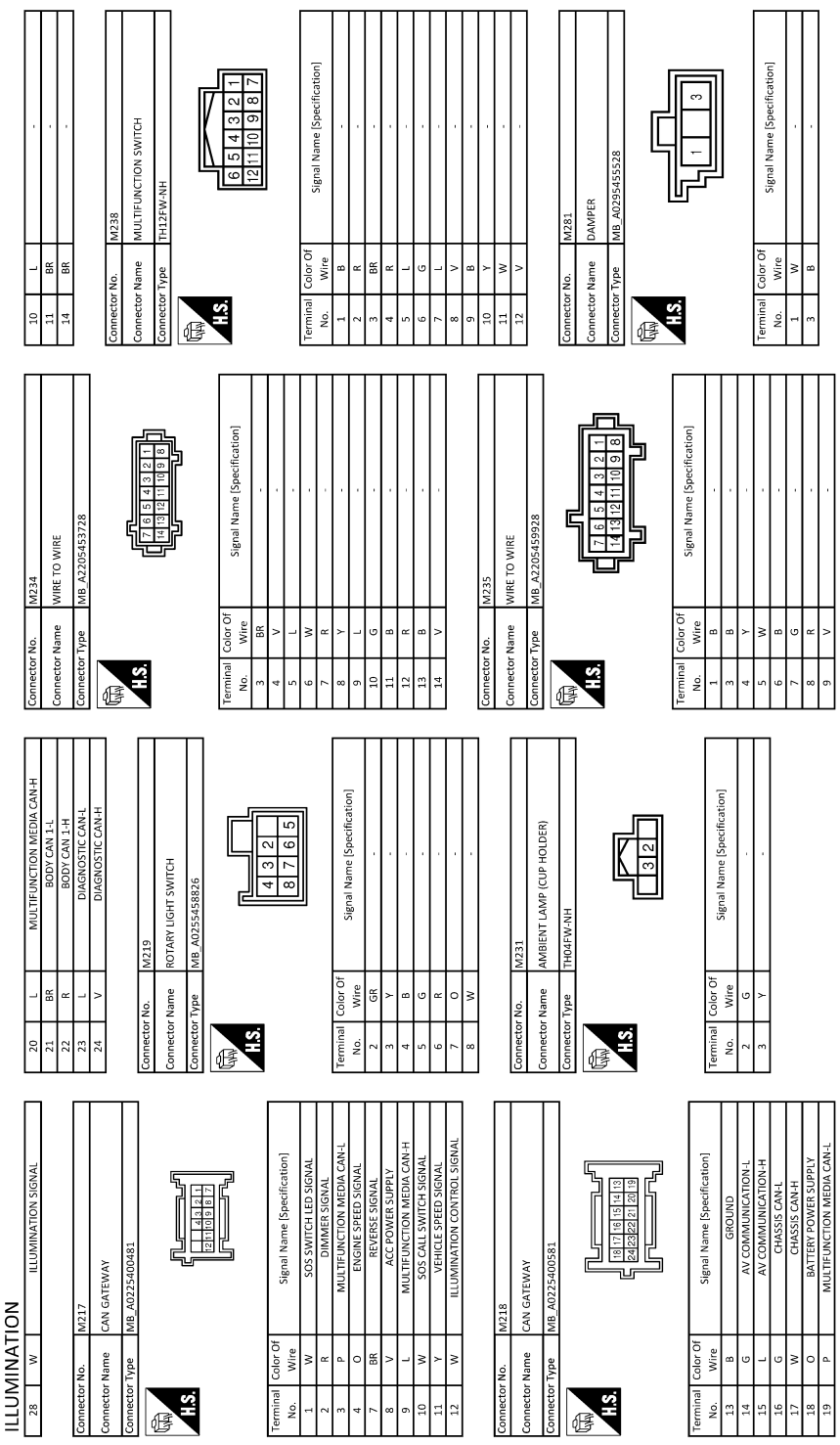
Connector No.	M209
Connector Name	PRESET SWITCH
Connector Type	TH12FW-NH

Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	NAVI SIGNAL
2	R	PUSH SWITCH C SIGNAL
3	BR	ILLUMINATION SIGNAL
4	R	ENCD-B SIGNAL
5	L	GROUND
6	G	PUSH SWITCH A SIGNAL
7	L	TYPE SIGNAL
8	GR	SHIELD
9	B	PUSH SWITCH B SIGNAL
10	Y	PUSH SWITCH D SIGNAL
11	W	ENCD-A SIGNAL
12	V	ILLUMINATION CONTROL SIGNAL

Connector No.	M210
Connector Name	PRESET SWITCH
Connector Type	TH16FW-NH

Terminal No.	Color Of Wire	Signal Name [Specification]
20	O	ACC POWER SUPPLY
21	W	DISK EJECT SIGNAL
22	BR	CAMERA SWITCH SIGNAL
23	G	DISK EJECT SIGNAL GROUND
24	W	ILLUMINATION CONTROL SIGNAL
25	B	GROUND
26	G	AV COMMUNICATION SIGNAL (L)
27	L	AV COMMUNICATION SIGNAL (H)

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JRLWG1080GB

ILLUMINATION

Connector No.	M282
Connector Name	GLOVE BOX LAMP
Connector Type	JST_02CPT-B-2A



Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	-
2	B	-

Connector No.	M283
Connector Name	GLOVE BOX LAMP
Connector Type	MB_A0375455928



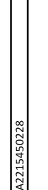
Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
2	BR	-

Connector No.	M284
Connector Name	WIRE TO WIRE
Connector Type	MB_A2215450228



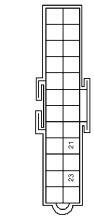
Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	BR	-

Connector No.	M351
Connector Name	JOINT CONNECTOR-M14
Connector Type	FEA08JB



Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
2	B	-
3	B	-
5	BR	-
7	G	-
8	B	-

Connector No.	M352
Connector Name	JOINT CONNECTOR-M01
Connector Type	FEA24JW



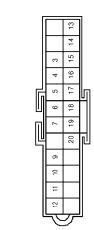
Terminal No.	Color Of Wire	Signal Name [Specification]
21	BR	-
23	BR	-

Connector No.	M357
Connector Name	JOINT CONNECTOR-M07
Connector Type	FEA24JOR



Terminal No.	Color Of Wire	Signal Name [Specification]
7	W	-
8	O	-
9	O	-
10	O	-
11	Y	-
12	Y	-
13	R	-
14	R	-
15	R	-
16	R	-

Connector No.	M358
Connector Name	JOINT CONNECTOR-M08
Connector Type	FEA24JW



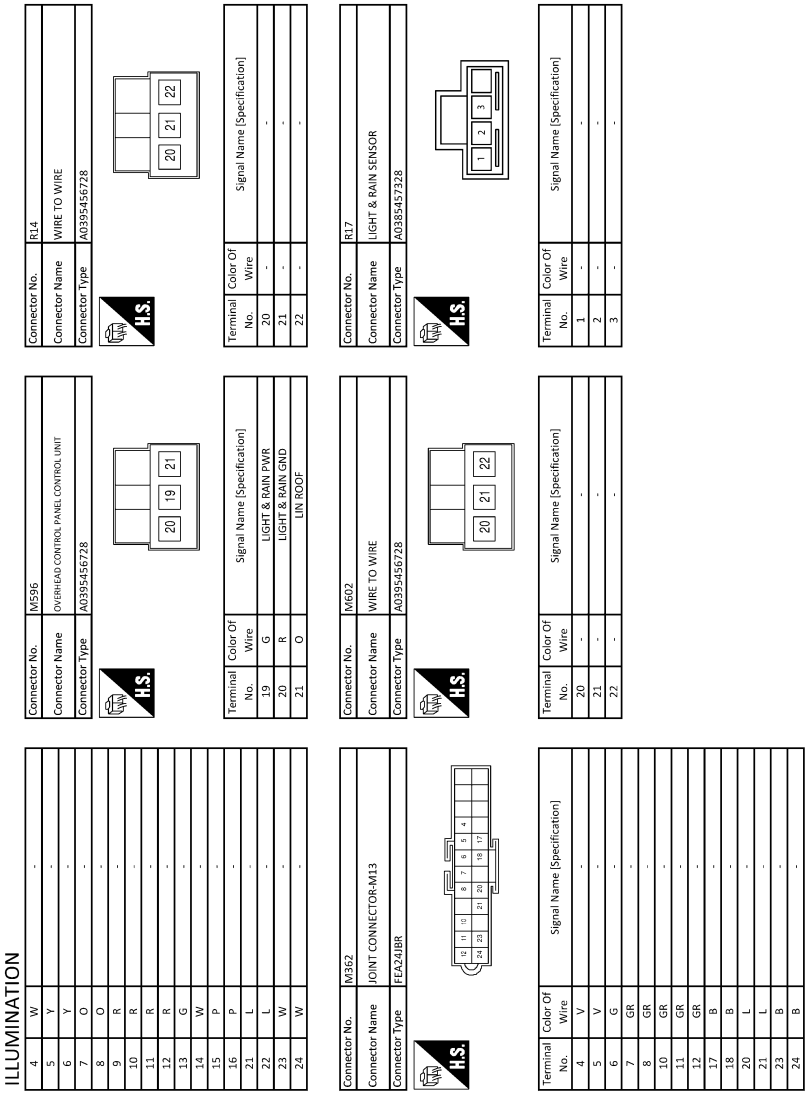
Terminal No.	Color Of Wire	Signal Name [Specification]
3	Y	-
4	O	-
5	Y	-
6	P	-
7	Y	-
9	R	-
10	R	-
11	Y	-
12	Y	-
13	GR	-
14	GR	-
15	GR	-
16	L	-
17	GR	-
18	GR	-
19	GR	-
20	G	-

Connector No.	M361
Connector Name	JOINT CONNECTOR-M12
Connector Type	FEA24JG



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	W	-
3	W	-

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JRLWG1082GB

BASIC INSPECTION

ADDITIONAL SERVICE WHEN REPLACING (OVERHEAD CONTROL PANEL CONTROL UNIT)

Description

INFOID:0000000013551375

When replacing overhead control panel control unit, the procedures of AFTER REPLACEMENT must be performed. For work procedure, refer to INL-59, "Work Procedure".

AFTER REPLACEMENT

After replacing overhead control panel control unit, the following items must be performed:

- Configuration (overhead control panel control unit)

Work Procedure

INFOID:0000000013551376

1.OVERHEAD CONTROL PANEL CONTROL UNIT CONFIGURATION

Perform the overhead control panel control unit configuration with CONSULT. Refer to INL-60, "Description".

NOTE:

Log in the network according to CONSULT screen.

>> END

CONFIGURATION (OVERHEAD CONTROL PANEL CONTROL UNIT)

Description

INFOID:0000000013551377

Vehicle specification needs to be written with CONSULT because it is not written after replacing the overhead control panel control unit.
The configuration requires network connection. CONSULT connects to network and then it downloads the configuration data from the server. Then CONSULT writes the vehicle specification to the overhead control panel control unit.
Refer to INL-60, "Work Procedure".
NOTE:
For details the network connection and operation, refer to “CONSULT Operation Manual”.
The configuration no need to “save” configuration data from the overhead control panel control unit. The configuration data is always generated freshly at the server and then downloaded to the CONSULT.
CAUTION:
- **Complete the procedure of “Read / Write Configuration” in order.**
- **If incorrect “Read / Write Configuration”, incidents might occur.**
- **Never perform “Read / Write Configuration” except for new overhead control panel control unit.**

Work Procedure

INFOID:0000000013551378

1.WRITING VEHICLE SPECIFICATION

CONSULT Configuration
Perform “WRITE CONFIGURATION” for CONTROL UNIT according to “CONSULT Operation Manual”.
NOTE:
- Log in the network according to CONSULT screen.
- For details the network connection and operation, refer to “CONSULT Operation Manual”.

>> END

DTC/CIRCUIT DIAGNOSIS

B1692 FRONT DOOR ILLUMINATION LH

LH : DTC Description

INFOID:0000000013551379

DTC DETECTION LOGIC

DTC		CONSULT screen items (Trouble diagnosis content)	CONSULT screen items (Malfunction type)	DTC detecting condition	
B1692	11	Circuit 58d (Circuit 58d)	CIRC SHORT TO GRND	Diagnosis condition	Ignition switch ON
				Signal (terminal)	• Door lock and unlock switch indicator signal • Power window switch indicator signal
				Threshold	Harness to the door lock and unlock switch indicator or power window switch indicator is shorted to ground
				Diagnosis delay time	–

POSSIBLE CAUSE

- Short to ground between circuit of door lock and unlock switch and left front door control unit
- Short to ground between circuit of front power window switch (passenger side) and left front door control unit
- Door lock and unlock switch
- Front power window switch (passenger side)
- Left front door control unit

FAIL-SAFE

Inhibit door lock and unlock switch indicator or front power window switch (passenger side) indicator operation

DTC CONFIRMATION PROCEDURE

1. PERFORM DTC CONFIRMATION PROCEDURE

1. Turn ignition switch ON.
2. Select “Self Diagnostic Result” mode of “Left front door control unit” using CONSULT.

Is DTC detected?

YES >> Refer to INL-61, "LH : Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-56, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

LH : Diagnosis Procedure

INFOID:0000000013551380

1. CHECK SWITCH INDICATOR INPUT SIGNAL CIRCUIT

1. Turn ignition switch OFF.
2. disconnect left front door control unit and door lock and unlock switch connector.
3. Check continuity between left front door control unit harness connector and ground.

Left front door control unit		Ground	Continuity
Connector	Terminal		
D16	50		Not existed

Is the inspection result normal?

YES >> GO TO 2.
NO >> Repair or replace harness.

2.ERASE DTC

1. connect left front door control unit and door lock and unlock switch connector.
2. Turn ignition switch ON.
3. Select “Self Diagnostic Result” mode of “Left front door control unit” using CONSULT.
4. Erase DTC, and then repeat “DTC CONFIRMATION PROCEDURE”. Refer to INL-61, "LH : DTC Description".

Is DTC “B1692-11” detected?

YES >> LHD models: GO TO 3.
NO >> INSPECTION END

3.REPLACE DOOR LOCK AND UNLOCK SWITCH AND ERASE DTC

1. Turn ignition switch OFF.
2. Replace door lock and unlock switch. Refer to DLK-279, "Removal and Installation".
3. Turn ignition switch ON.
4. Select “Self Diagnostic Result” mode of “Left front door control unit” using CONSULT.
5. Erase DTC, and then repeat “DTC CONFIRMATION PROCEDURE”. Refer to INL-61, "LH : DTC Description".

Is DTC “B1692-11” detected?

YES >> Replace left front door control unit. Refer to DLK-286, "Removal and Installation".
NO >> INSPECTION END

RH

RH : DTC Description

INFOID:0000000013551381

DTC DETECTION LOGIC

DTC		CONSULT screen items (Trouble diagnosis content)	CONSULT screen items (Malfunction type)	DTC detecting condition	
B1692	11	Circuit 58d (Circuit 58d)	CIRC SHORT TO GRND	Diagnosis condition	Ignition switch ON
				Signal (terminal)	• Door lock and unlock switch indicator signal • Power window switch indicator signal
				Threshold	Harness to the door lock and unlock switch indicator or power window switch indicator is shorted to ground
				Diagnosis delay time	–

POSSIBLE CAUSE

- Short to ground between circuit of door lock and unlock switch and right front door control unit
- Short to ground between circuit of front power window switch (passenger side) and right front door control unit
- Door lock and unlock switch
- Front power window switch (passenger side)
- Right front door control unit

FAIL-SAFE

Inhibit door lock and unlock switch indicator or front power window switch (passenger side) indicator operation

DTC CONFIRMATION PROCEDURE

1.PERFORM DTC CONFIRMATION PROCEDURE

1. Turn ignition switch ON.
2. Select “Self Diagnostic Result” mode of “Right front door control unit” using CONSULT.

Is DTC detected?

YES >> Refer to INL-63, "RH : Diagnosis Procedure".

NO-1 >> To check malfunction symptom before repair: Refer to GI-56, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

RH : Diagnosis Procedure

INFOID:0000000013551382

1.CHECK SWITCH INDICATOR INPUT SIGNAL CIRCUIT

1. Turn ignition switch OFF.
2. disconnect right front door control unit and front power window switch (passenger side) connector.
3. Check continuity between right front door control unit harness connector and ground.

Right front door control unit		Ground	Continuity
Connector	Terminal		
D59	48		Not existed

Is the inspection result normal?

YES >> GO TO 2.
NO >> Repair or replace harness.

2.ERASE DTC

1. connect right front door control unit and front power window switch (passenger side) connector.
2. Turn ignition switch ON.
3. Select “Self Diagnostic Result” mode of “Right front door control unit” using CONSULT.
4. Erase DTC, and then repeat “DTC CONFIRMATION PROCEDURE”. Refer to INL-62, "RH : DTC Description".

Is DTC “B1692-11” detected?

YES-1 >> GO TO 3.
NO >> INSPECTION END

3.REPLACE POWER WINDOW SWITCH AND ERASE DTC

1. Turn ignition switch OFF.
2. Replace front power window switch (passenger side). Refer to PWC-90, "Removal and Installation".
3. Turn ignition switch ON.
4. Select “Self Diagnostic Result” mode of “Right front door control unit” using CONSULT.
5. Erase DTC, and then repeat “DTC CONFIRMATION PROCEDURE”. Refer to INL-62, "RH : DTC Description".

Is DTC “B1692-11” detected?

YES >> Replace right front door control unit. Refer to DLK-265, "DOOR LOCK : Removal and Installation".
NO >> INSPECTION END

B1739 AMBIENT LAMP (FRONT INSIDE HANDLE)
LH

LH : DTC Description

INFOID:0000000013551383

DTC DETECTION LOGIC

DTC		CONSULT screen items		DTC detecting condition	
		(Trouble diagnosis content)	(Malfunction type)		
B1739	11	Door handle illumination output signal (Door handle illumination output signal)	CIRC SHORT TO GRND	Diagnosis condition	Ignition switch ON
				Signal (terminal)	Ambient lamp (front inside handle LH) signal
				Threshold	Harness to the ambient lamp (front door inside handle LH) is shorted to ground
				Diagnosis delay time	–

POSSIBLE CAUSE
- Short to ground between circuit of ambient lamp (front door inside handle LH) and left front door control unit
- Ambient lamp (front door inside handle LH)
- Left front door control unit

FAIL-SAFE
Inhibit ambient lamp (front door inside handle LH) operation

DTC CONFIRMATION PROCEDURE

1.PERFORM DTC CONFIRMATION PROCEDURE

1. Turn ignition switch ON.
2. Select “Self Diagnostic Result” mode of “Left front door control unit” using CONSULT.

Is DTC detected?

YES >> Refer to INL-64, "LH : Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-56, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

LH : Diagnosis Procedure

INFOID:0000000013551384

1.CHECK AMBIENT LAMP INPUT SIGNAL CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect left front door control unit and ambient lamp (front door inside handle LH) connector.
3. Check continuity between left front door control unit harness connector and ground.

Left front door control unit		Ground	Continuity
Connector	Terminal		
D17	51		Not existed
	52		

Is the inspection result normal?

YES >> GO TO 2.
NO >> Repair or replace harness.

2.ERASE DTC

1. Connect left front door control unit and ambient lamp (front door inside handle LH) connector.
2. Turn ignition switch ON.
3. Select “Self Diagnostic Result” mode of “Left front door control unit” using CONSULT.

4. Erase DTC, and then repeat “DTC CONFIRMATION PROCEDURE”. Refer to INL-64, "LH : DTC Description".

Is DTC “B1739-11” detected?

YES >> GO TO 3.
NO >> INSPECTION END

3.REPLACE AMBIENT LAMP AND ERASE DTC

1. Turn ignition switch OFF.
2. Replace ambient lamp (front door inside handle LH). Refer to INL-137, "INSIDE HANDLE : Removal and Installation".
3. Turn ignition switch ON.
4. Select “Self Diagnostic Result” mode of “Left front door control unit” using CONSULT.
5. Erase DTC, and then repeat “DTC CONFIRMATION PROCEDURE”. Refer to INL-64, "LH : DTC Description".

Is DTC “B1739-11” detected?

YES >> Replace left front door control unit. Refer to DLK-286, "Removal and Installation".
NO >> INSPECTION END

RH

RH : DTC Description

INFOID:0000000013551385

DTC DETECTION LOGIC

DTC		CONSULT screen items (Trouble diagnosis content)	CONSULT screen items (Malfunction type)	DTC detecting condition	
B1739	11	Door handle illumination output signal (Door handle illumination output signal)	CIRC SHORT TO GRND	Diagnosis condition	Ignition switch ON
				Signal (terminal)	Ambient lamp (front door inside handle RH) signal
				Threshold	Harness to the ambient lamp (front door inside handle RH) is shorted to ground
				Diagnosis delay time	–

POSSIBLE CAUSE

- Short to ground between circuit of ambient lamp (front door inside handle RH) and right front door control unit
- Ambient lamp (front door inside handle RH)
- Right front door control unit

FAIL-SAFE

Inhibit ambient lamp (front inside handle RH) operation

DTC CONFIRMATION PROCEDURE

1.PERFORM DTC CONFIRMATION PROCEDURE

1. Turn ignition switch ON.
2. Select “Self Diagnostic Result” mode of “Right front door control unit” using CONSULT.

Is DTC detected?

YES >> Refer to INL-65, "RH : Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-56, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

RH : Diagnosis Procedure

INFOID:0000000013551386

1.CHECK AMBIENT LAMP INPUT SIGNAL CIRCUIT

1. Turn ignition switch OFF.

2. Disconnect right front door control unit and ambient lamp (front door inside handle RH) connector.
3. Check continuity between right front door control unit harness connector and ground.

Right front door control unit		Ground	Continuity
Connector	Terminal		
D60	51		Not existed
	52		

Is the inspection result normal?

YES >> GO TO 2.
NO >> Repair or replace harness.

2.ERASE DTC

1. Connect right front door control unit and ambient lamp (front door inside handle RH) connector.
2. Turn ignition switch ON.
3. Select “Self Diagnostic Result” mode of “Right front door control unit” using CONSULT.
4. Erase DTC, and then repeat “DTC CONFIRMATION PROCEDURE”. Refer to INL-65, "RH : DTC Description".

Is DTC “B1739-11” detected?

YES >> GO TO 3.
NO >> INSPECTION END

3.REPLACE AMBIENT LAMP AND ERASE DTC

1. Turn ignition switch OFF.
2. Replace ambient lamp (front door inside handle RH). Refer to INL-137, "INSIDE HANDLE : Removal and Installation".
3. Turn ignition switch ON.
4. Select “Self Diagnostic Result” mode of “Right front door control unit” using CONSULT.
5. Erase DTC, and then repeat “DTC CONFIRMATION PROCEDURE”. Refer to INL-65, "RH : DTC Description".

Is DTC “B1739-11” detected?

YES >> Replace right front door control unit. Refer to DLK-286, "Removal and Installation".
NO >> INSPECTION END

B1755 OUTSIDE MIRROR LAMP
LH

LH : DTC Description

INFOID:0000000013551387

DTC DETECTION LOGIC

DTC		CONSULT screen items (Trouble diagnosis content)	CONSULT screen items (Malfunction type)	DTC detecting condition	
B1755	11	Kicking plate lamp output signal (Kicking plate lamp output signal)	CIRC SHORT TO GRND	Diagnosis condition	When ignition switch is OFF and BCM detects outside dark
				Signal (terminal)	Outside mirror lamp signal
				Threshold	Harness to the outside mirror lamp LH is shorted to ground
				Diagnosis delay time	–
	15		CIRC SHORT TO BATTERY OR OPEN	Diagnosis condition	When ignition switch is OFF and BCM detects outside dark
				Signal (terminal)	Outside mirror lamp signal
				Threshold	Harness to the outside mirror lamp LH has a open circuit or shorted to battery
				Diagnosis delay time	–

POSSIBLE CAUSE (B1755-11)

- Short to ground between circuit of outside mirror lamp LH and left front door control unit
- Outside mirror lamp LH
- Left front door control unit

POSSIBLE CAUSE (B1755-15)

- Disconnection between outside mirror lamp LH and left front door control unit
- Short to battery between circuit of outside mirror lamp LH and left front door control unit
- Outside mirror lamp LH
- Left front door control unit

FAIL-SAFE

Inhibit outside mirror lamp LH operation

DTC CONFIRMATION PROCEDURE

1.PERFORM DTC CONFIRMATION PROCEDURE

1. Turn ignition switch ON→OFF (rotary light switch AUTO and dark outside of the vehicle).
2. Turn ignition switch ON.
3. Select “Self Diagnostic Result” mode of “Left front door control unit” using CONSULT.

Is DTC detected?

YES >> Refer to INL-67, "LH : Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-56, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

LH : Diagnosis Procedure

INFOID:0000000013551388

DTC “B1755-11”

1.CHECK AMBIENT LAMP INPUT SIGNAL CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect left front door control unit and door mirror LH connector.
3. Check continuity between left front door control unit harness connector and ground.

Left front door control unit		Ground	Continuity
Connector	Terminal		
D14	11		Not existed
	12		

Is the inspection result normal?

YES >> GO TO 2.
NO >> Repair or replace harness.

2.ERASE DTC

1. Connect left front door control unit and door mirror LH connector.
2. Turn ignition switch ON.
3. Select “Self Diagnostic Result” mode of “Left front door control unit” using CONSULT.
4. Erase DTC, and then repeat “DTC CONFIRMATION PROCEDURE”. Refer to INL-67, "LH : DTC Description".

Is DTC “B1755-11” detected?

YES >> GO TO 3.
NO >> INSPECTION END

3.REPLACE AMBIENT LAMP AND ERASE DTC

1. Turn ignition switch OFF.
2. Replace door mirror LH. Refer to MIR-72, "DOOR MIRROR ASSEMBLY : Removal and Installation".
3. Turn ignition switch ON→OFF (rotary light switch AUTO and dark outside of the vehicle).
4. Turn ignition switch ON.
5. Select “Self Diagnostic Result” mode of “Left front door control unit” using CONSULT.
6. Erase DTC, and then repeat “DTC CONFIRMATION PROCEDURE”. Refer to INL-67, "LH : DTC Description".

Is DTC “B1755-11” detected?

YES >> Replace left front door control unit. Refer to DLK-286, "Removal and Installation".
NO >> INSPECTION END

DTC “B1755-15”

1.CHECK AMBIENT LAMP INPUT SIGNAL CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect left front door control unit and door mirror LH connector.
3. Check voltage between left front door control unit harness connector and ground.

(+)		(–)	Voltage (Approx.)
Left front door control unit			
Connector	Terminal		
D14	11	Ground	0 V
	12		

4. Check continuity between left front door control unit harness connector and door mirror LH harness connector.

Left front door control unit		Door mirror LH		Continuity
Connector	Terminal	Connector	Terminal	
D14	11	D42	4	Existed
	12		16	

5. Check continuity between left front door control unit harness connector and ground.

Left front door control unit		Ground	Continuity
Connector	Terminal		
D14	11		Not existed
	12		

Is the inspection result normal?

YES >> GO TO 2.
NO >> Repair or replace harness.

2.ERASE DTC

1. Connect left front door control unit and door mirror LH connector.
2. Turn ignition switch ON.
3. Select “Self Diagnostic Result” mode of “Left front door control unit” using CONSULT.
4. Erase DTC, and then repeat “DTC CONFIRMATION PROCEDURE”. Refer to INL-67, "LH : DTC Description".

Is DTC “B1755-15” detected?

YES >> GO TO 3.
NO >> INSPECTION END

3.REPLACE AMBIENT LAMP AND ERASE DTC

1. Turn ignition switch OFF.
2. Replace door mirror LH. Refer to MIR-72, "DOOR MIRROR ASSEMBLY : Removal and Installation".
3. Turn ignition switch ON→OFF (rotary light switch AUTO and dark outside of the vehicle).
4. Select “Self Diagnostic Result” mode of “Left front door control unit” using CONSULT.
5. Erase DTC, and then repeat “DTC CONFIRMATION PROCEDURE”. Refer to INL-67, "LH : DTC Description".

Is DTC “B1755-15” detected?

YES >> Replace left front door control unit. Refer to DLK-286, "Removal and Installation".
NO >> INSPECTION END

RH

RH : DTC Description

INFOID:0000000013551389

DTC DETECTION LOGIC

DTC		CONSULT screen items (Trouble diagnosis content)	CONSULT screen items (Malfunction type)	DTC detecting condition	
B1755	11	Kicking plate lamp output signal	CIRC SHORT TO GRND	Diagnosis condition	When ignition switch is OFF and BCM detects outside dark
				Signal (terminal)	Outside mirror lamp signal
				Threshold	Harness to the ambient lamp (outside mirror) RH is shorted to ground
				Diagnosis delay time	–
	15		CIRC SHORT TO BATTERY OR OPEN	Diagnosis condition	When ignition switch is OFF and BCM detects outside dark
				Signal (terminal)	Outside mirror lamp signal
				Threshold	Harness to the ambient lamp (outside mirror) RH has a open circuit or shorted to battery
				Diagnosis delay time	–

POSSIBLE CAUSE (B1755-11)

- Short to ground between circuit of outside mirror lamp RH and right front door control unit
- Outside mirror lamp RH
- Right front door control unit

POSSIBLE CAUSE (B1755-15)

- Disconnection between outside mirror lamp RH and right front door control unit
- Short to battery between circuit of outside mirror lamp RH and right front door control unit
- Outside mirror lamp RH
- Right front door control unit

FAIL-SAFE

Inhibit outside mirror lamp RH operation

DTC CONFIRMATION PROCEDURE

1.PERFORM DTC CONFIRMATION PROCEDURE

1. Turn ignition switch ON→OFF (rotary light switch AUTO and dark outside of the vehicle).
2. Select “Self Diagnostic Result” mode of “Right front door control unit” using CONSULT.

Is DTC detected?

YES >> Refer to INL-70, "RH : Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-56, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

RH : Diagnosis Procedure

INFOID:0000000013551390

DTC “B1755-11”

1.CHECK AMBIENT LAMP INPUT SIGNAL CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect right front door control unit and door mirror RH connector.
3. Check continuity between right front door control unit harness connector and ground.

Right front door control unit		Ground	Continuity
Connector	Terminal		
D57	11		Not existed
	12		

Is the inspection result normal?

YES >> GO TO 2.
NO >> Repair or replace harness.

2.ERASE DTC

1. Connect right front door control unit and door mirror RH connector.
2. Turn ignition switch ON.
3. Select “Self Diagnostic Result” mode of “Right front door control unit” using CONSULT.
4. Erase DTC, and then repeat “DTC CONFIRMATION PROCEDURE”. Refer to INL-69, "RH : DTC Description".

Is DTC “B1755-11” detected?

YES >> GO TO 3.
NO >> INSPECTION END

3.REPLACE AMBIENT LAMP AND ERASE DTC

1. Turn ignition switch OFF.
2. Replace door mirror RH. Refer to MIR-72, "DOOR MIRROR ASSEMBLY : Removal and Installation".
3. Turn ignition switch ON→OFF (rotary light switch AUTO and dark outside of the vehicle).
4. Turn ignition switch ON.
5. Select “Self Diagnostic Result” mode of “Right front door control unit” using CONSULT.
6. Erase DTC, and then repeat “DTC CONFIRMATION PROCEDURE”. Refer to INL-69, "RH : DTC Description".

Is DTC “B1755-11” detected?

YES >> Replace right front door control unit. Refer to DLK-286, "Removal and Installation".
NO >> INSPECTION END

DTC “B1755-15”

1.CHECK AMBIENT LAMP INPUT SIGNAL CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect right front door control unit and door mirror RH connector.
3. Check voltage between right front door control unit harness connector and ground.

(+)		(–)	Voltage (Approx.)
Right front door control unit			
Connector	Terminal		
D57	11	Ground	0 V
	12		

4. Check continuity between right front door control unit harness connector and door mirror RH harness connector.

Right front door control unit		Door mirror RH		Continuity
Connector	Terminal	Connector	Terminal	
D57	11	D92	4	Existed
	12		16	

5. Check continuity between right front door control unit harness connector and ground.

Right front door control unit		Ground	Continuity
Connector	Terminal		
D57	11		Not existed
	12		

Is the inspection result normal?

YES >> GO TO 2.
NO >> Repair or replace harness.

2.ERASE DTC

1. Connect right front door control unit and door mirror RH connector.
2. Turn ignition switch ON.
3. Select “Self Diagnostic Result” mode of “Right front door control unit” using CONSULT.
4. Erase DTC, and then repeat “DTC CONFIRMATION PROCEDURE”. Refer to INL-69, "RH : DTC Description".

Is DTC “B1755-15” detected?

YES >> GO TO 3.
NO >> INSPECTION END

3.REPLACE AMBIENT LAMP AND ERASE DTC

1. Turn ignition switch OFF.
2. Replace door mirror RH. Refer to MIR-72, "DOOR MIRROR ASSEMBLY : Removal and Installation".
3. Turn ignition switch ON→OFF (rotary light switch AUTO and dark outside of the vehicle).
4. Turn ignition switch ON.
5. Select “Self Diagnostic Result” mode of “Right front door control unit” using CONSULT.
6. Erase DTC, and then repeat “DTC CONFIRMATION PROCEDURE”. Refer to INL-69, "RH : DTC Description".

Is DTC “B1755-15” detected?

YES >> Replace right front door control unit. Refer to DLK-286, "Removal and Installation".
NO >> INSPECTION END

B1759 STEP LAMP

LH

LH : DTC Description

INFOID:0000000013551391

DTC DETECTION LOGIC

DTC		CONSULT screen items (Trouble diagnosis content)	CONSULT screen items (Malfunction type)	DTC detecting condition	
B1759	11	Exit and warning lamp output signal (Exit and warning lamp output signal)	CIRC SHORT TO GRND	Diagnosis condition	Left front door: open
				Signal (terminal)	Step lamp signal
				Threshold	Harness to the step lamp (LH) is shorted to ground
				Diagnosis delay time	–
	15		CIRC SHORT TO BATTERY OR OPEN	Diagnosis condition	Left front door: open
				Signal (terminal)	Step lamp signal
				Threshold	Harness to the step lamp (LH) has a open circuit or shorted to battery
				Diagnosis delay time	–

POSSIBLE CAUSE (B1759-11)

- Short to ground between circuit of step lamp (LH) and left front door control unit
- Step lamp (LH)
- Left front door control unit

POSSIBLE CAUSE (B1759-15)

- Disconnection between step lamp (LH) and left front door control unit
- Short to battery between circuit of step lamp (LH) and left front door control unit
- Step lamp (LH)
- Left front door control unit

FAIL-SAFE

Inhibit step lamp (LH) operation

DTC CONFIRMATION PROCEDURE

1.PERFORM DTC CONFIRMATION PROCEDURE

1. Turn ignition switch ON.
2. Open the left front door.
3. Select “Self Diagnostic Result” mode of “Left front door control unit” using CONSULT.

Is DTC detected?

YES >> Refer to INL-72, "LH : Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-56, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

LH : Diagnosis Procedure

INFOID:0000000013551392

DTC “B1759-11”

1.CHECK STEP LAMP INPUT SIGNAL CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect left front door control unit and step lamp (LH) connector.
3. Check continuity between left front door control unit harness connector and ground.

Left front door control unit		Ground	Continuity
Connector	Terminal		
D17	53		Not existed
	54		

Is the inspection result normal?

YES >> GO TO 2.
NO >> Repair or replace harness.

2.ERASE DTC

1. Connect left front door control unit and step lamp (LH) connector.
2. Turn ignition switch ON.
3. Select “Self Diagnostic Result” mode of “Left front door control unit” using CONSULT.
4. Erase DTC, and then repeat “DTC CONFIRMATION PROCEDURE”. Refer to INL-72, "LH : DTC Description".

Is DTC “B1759-11” detected?

YES >> GO TO 3.
NO >> INSPECTION END

3.REPLACE STEP LAMP AND ERASE DTC

1. Turn ignition switch OFF.
2. Replace step lamp LH. Refer to INL-126, "Removal and Installation".
3. Turn ignition switch ON.
4. Open the left front door.
5. Select “Self Diagnostic Result” mode of “Left front door control unit” using CONSULT.
6. Erase DTC, and then repeat “DTC CONFIRMATION PROCEDURE”. Refer to INL-72, "LH : DTC Description".

Is DTC “B1759-11” detected?

YES >> Replace left front door control unit. Refer to DLK-286, "Removal and Installation".
NO >> INSPECTION END

DTC “B1759-15”

1.CHECK STEP LAMP INPUT SIGNAL CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect left front door control unit and step lamp (LH) connector.
3. Check voltage between left front door control unit harness connector and ground.

(+)		(–)	Voltage (Approx.)
Left front door control unit			
Connector	Terminal		
D17	53	Ground	0 V
	54		

4. Check continuity between left front door control unit harness connector and step lamp (LH) harness connector.

Left front door control unit		Step lamp (LH)		Continuity
Connector	Terminal	Connector	Terminal	
D17	53	D36	1	Existed
	54		2	

5. Check continuity between left front door control unit harness connector and ground.

Left front door control unit		Ground	Continuity
Connector	Terminal		
D17	53		Not existed
	54		

Is the inspection result normal?

YES >> GO TO 2.
NO >> Repair or replace harness.

2.ERASE DTC

1. Connect left front door control unit and step lamp (LH) connector.
2. Turn ignition switch ON.
3. Select “Self Diagnostic Result” mode of “Left front door control unit” using CONSULT.
4. Erase DTC, and then repeat “DTC CONFIRMATION PROCEDURE”. Refer to INL-72, "LH : DTC Description".

Is DTC “B1759-15” detected?

YES >> GO TO 3.
NO >> INSPECTION END

3.REPLACE STEP LAMP AND ERASE DTC

1. Turn ignition switch OFF.
2. Replace step lamp LH. Refer to INL-126, "Removal and Installation".
3. Turn ignition switch ON.
4. Open the left door.
5. Select “Self Diagnostic Result” mode of “Left front door control unit” using CONSULT.
6. Erase DTC, and then repeat “DTC CONFIRMATION PROCEDURE”. Refer to INL-72, "LH : DTC Description".

Is DTC “B1759-15” detected?

YES >> Replace left front door control unit. Refer to DLK-286, "Removal and Installation".
NO >> INSPECTION END

RH

RH : DTC Description

INFOID:0000000013551393

DTC DETECTION LOGIC

DTC		CONSULT screen items (Trouble diagnosis content)	CONSULT screen items (Malfunction type)	DTC detecting condition	
B1759	11	Exit and warning lamp output signal	CIRC SHORT TO GRND	Diagnosis condition	Right front door: open
				Signal (terminal)	Step lamp signal
				Threshold	Harness to the step lamp (RH) is shorted to ground
				Diagnosis delay time	–
	15		CIRC SHORT TO BATTERY OR OPEN	Diagnosis condition	Right front door: open
				Signal (terminal)	Step lamp signal
				Threshold	Harness to the step lamp (RH) has a open circuit or shorted to battery
				Diagnosis delay time	–

POSSIBLE CAUSE (B1759-11)

- Short to ground between circuit of step lamp (RH) and right front door control unit
- Step lamp (RH)
- Right front door control unit

POSSIBLE CAUSE (B1759-15)

- Disconnection between step lamp (RH) and right front door control unit
- Short to battery between circuit of step lamp (RH) and right front door control unit
- Step lamp (RH)
- Right front door control unit

FAIL-SAFE

Inhibit step lamp (RH) operation

DTC CONFIRMATION PROCEDURE

1.PERFORM DTC CONFIRMATION PROCEDURE

1. Turn ignition switch ON.
2. Open the right front door.
3. Select “Self Diagnostic Result” mode of “Right front door control unit” using CONSULT.

Is DTC detected?

YES >> Refer to INL-75, "RH : Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-56, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

RH : Diagnosis Procedure

INFOID:0000000013551394

DTC “B1759-11”

1.CHECK STEP LAMP INPUT SIGNAL CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect right front door control unit and step lamp (RH) connector.
3. Check continuity between right front door control unit harness connector and ground.

Right front door control unit		Ground	Continuity
Connector	Terminal		
D60	53		Not existed
	54		

Is the inspection result normal?

YES >> GO TO 2.
NO >> Repair or replace harness.

2.ERASE DTC

1. Connect right front door control unit and step lamp (RH) connector.
2. Turn ignition switch ON.
3. Select “Self Diagnostic Result” mode of “Right front door control unit” using CONSULT.
4. Erase DTC, and then repeat “DTC CONFIRMATION PROCEDURE”. Refer to INL-74, "RH : DTC Description".

Is DTC “B1759-11” detected?

YES >> GO TO 3.
NO >> INSPECTION END

3.REPLACE STEP LAMP AND ERASE DTC

1. Turn ignition switch OFF.
2. Replace step lamp RH. Refer to INL-126, "Removal and Installation".
3. Turn ignition switch ON.
4. Open the right front door.
5. Select “Self Diagnostic Result” mode of “Right front door control unit” using CONSULT.
6. Erase DTC, and then repeat “DTC CONFIRMATION PROCEDURE”. Refer to INL-74, "RH : DTC Description".

Is DTC “B1759-11” detected?

YES >> Replace right front door control unit. Refer to DLK-286, "Removal and Installation".
NO >> INSPECTION END

DTC “B1759-15”

1.CHECK STEP LAMP INPUT SIGNAL CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect right front door control unit and step lamp (RH) connector.
3. Check voltage between right front door control unit harness connector and ground.

(+)		(–)	Voltage (Approx.)
Right front door control unit			
Connector	Terminal		
D60	53	Ground	0 V
	54		

4. Check continuity between right front door control unit harness connector and step lamp (RH) harness connector.

Right front door control unit		Step lamp (RH)		Continuity
Connector	Terminal	Connector	Terminal	
D60	53	D86	1	Existed
	54		2	

5. Check continuity between right front door control unit harness connector and ground.

Right front door control unit		Ground	Continuity
Connector	Terminal		
D60	53		Not existed
	54		

Is the inspection result normal?

YES >> GO TO 2.
NO >> Repair or replace harness.

2.ERASE DTC

1. Connect right front door control unit and step lamp (RH) connector.
2. Turn ignition switch ON.
3. Select “Self Diagnostic Result” mode of “Right front door control unit” using CONSULT.
4. Erase DTC, and then repeat “DTC CONFIRMATION PROCEDURE”. Refer to INL-74, "RH : DTC Description".

Is DTC “B1759-15” detected?

YES >> GO TO 3.
NO >> INSPECTION END

3.REPLACE STEP LAMP AND ERASE DTC

1. Turn ignition switch OFF.
2. Replace step lamp RH. Refer to INL-126, "Removal and Installation".
3. Turn ignition switch ON.
4. Open the right front door.
5. Select “Self Diagnostic Result” mode of “Right front door control unit” using CONSULT.
6. Erase DTC, and then repeat “DTC CONFIRMATION PROCEDURE”. Refer to INL-74, "RH : DTC Description".

Is DTC “B1759-15” detected?

YES >> Replace right front door control unit. Refer to DLK-286, "Removal and Installation".
NO >> INSPECTION END

B17DE AMBIENT LAMP (FRONT DOOR GRIP)
LH

LH : DTC Description

INFOID:0000000013551395

DTC DETECTION LOGIC

DTC		CONSULT screen items		DTC detecting condition	
		(Trouble diagnosis content)	(Malfunction type)		
B17DE	11	Light strip output signal (Light strip output signal)	CIRC SHORT TO GRND	Diagnosis condition	Ignition switch ON
				Signal (terminal)	Ambient lamp (front door grip LH) signal
				Threshold	Harness to the ambient lamp (front door grip LH) is shorted to ground
				Diagnosis delay time	–

POSSIBLE CAUSE

- Short to ground between circuit of ambient lamp (front door grip LH) and left front door control unit
- Ambient lamp (front door grip LH)
- Left front door control unit

FAIL-SAFE

Inhibit ambient lamp (front door grip LH) operation

DTC CONFIRMATION PROCEDURE

1.PERFORM DTC CONFIRMATION PROCEDURE

1. Turn ignition switch ON.
2. Select “Self Diagnostic Result” mode of “Left front door control unit” using CONSULT.

Is DTC detected?

YES >> Refer to INL-77, "LH : Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-56, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

LH : Diagnosis Procedure

INFOID:0000000013551396

1.CHECK AMBIENT LAMP INPUT SIGNAL CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect left front door control unit and ambient lamp (front door grip LH) connector.
3. Check continuity between left front door control unit harness connector and ground.

Left front door control unit		Ground	Continuity
Connector	Terminal		
D17	59		Not existed
	60		

Is the inspection result normal?

YES >> GO TO 2.
NO >> Repair or replace harness.

2.ERASE DTC

1. Connect left front door control unit and ambient lamp (front door grip LH) connector.
2. Turn ignition switch ON.
3. Select “Self Diagnostic Result” mode of “Left front door control unit” using CONSULT.

4. Erase DTC, and then repeat “DTC CONFIRMATION PROCEDURE”. Refer to INL-77, "LH : DTC Description".

Is DTC “B17DE-11” detected?

YES >> GO TO 3.
NO >> INSPECTION END

3.REPLACE AMBIENT LAMP AND ERASE DTC

1. Turn ignition switch OFF.
2. Replace ambient lamp (front door grip LH). Refer to INL-138, "DOOR GRIP : Replacement".
3. Turn ignition switch ON.
4. Select “Self Diagnostic Result” mode of “Left front door control unit” using CONSULT.
5. Erase DTC, and then repeat “DTC CONFIRMATION PROCEDURE”. Refer to INL-77, "LH : DTC Description".

Is DTC “B17DE-11” detected?

YES >> Replace left front door control unit. Refer to DLK-286, "Removal and Installation".
NO >> INSPECTION END

RH

RH : DTC Description

INFOID:0000000013551397

DTC DETECTION LOGIC

DTC		CONSULT screen items (Trouble diagnosis content)	CONSULT screen items (Malfunction type)	DTC detecting condition	
B17DE	11	Light strip output signal (Light strip output signal)	CIRC SHORT TO GRND	Diagnosis condition	Ignition switch ON
				Signal (terminal)	Ambient lamp (front door grip RH) signal
				Threshold	Harness to the ambient lamp (front door grip RH) is shorted to ground
				Diagnosis delay time	–

POSSIBLE CAUSE

- Short to ground between circuit of ambient lamp (front door grip RH) and right front door control unit
- Ambient lamp (front door grip RH)
- Right front door control unit

FAIL-SAFE

Inhibit ambient lamp (front door grip RH) operation

DTC CONFIRMATION PROCEDURE

1.PERFORM DTC CONFIRMATION PROCEDURE

1. Turn ignition switch ON.
2. Select “Self Diagnostic Result” mode of “Right front door control unit” using CONSULT.

Is DTC detected?

YES >> Refer to INL-78, "RH : Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-56, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

RH : Diagnosis Procedure

INFOID:0000000013551398

1.CHECK AMBIENT LAMP INPUT SIGNAL CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect right front door control unit and ambient lamp (front door grip RH) connector.
3. Check continuity between right front door control unit harness connector and ground.

Right front door control unit		Ground	Continuity
Connector	Terminal		
D60	59		Not existed
	60		

Is the inspection result normal?

YES >> GO TO 2.
NO >> Repair or replace harness.

2.ERASE DTC

1. Connect right front door control unit and ambient lamp (front door grip RH) connector.
2. Turn ignition switch ON.
3. Select “Self Diagnostic Result” mode of “Right front door control unit” using CONSULT.
4. Erase DTC, and then repeat “DTC CONFIRMATION PROCEDURE”. Refer to INL-78, "RH : DTC Description".

Is DTC “B17DE-11” detected?

YES >> GO TO 3.
NO >> INSPECTION END

3.REPLACE AMBIENT LAMP AND ERASE DTC

1. Turn ignition switch OFF.
2. Replace ambient lamp (front door grip RH). Refer to INL-138, "DOOR GRIP : Replacement".
3. Turn ignition switch ON.
4. Select “Self Diagnostic Result” mode of “Right front door control unit” using CONSULT.
5. Erase DTC, and then repeat “DTC CONFIRMATION PROCEDURE”. Refer to INL-78, "RH : DTC Description".

Is DTC “B17DE-11” detected?

YES >> Replace right front door control unit. Refer to DLK-286, "Removal and Installation".
NO >> INSPECTION END

B25BA AMBIENT LAMP (FRONT DOOR GRIP)
LH

LH : DTC Description

INFOID:0000000013551399

DTC DETECTION LOGIC

DTC		CONSULT screen items		DTC detecting condition	
		(Trouble diagnosis content)	(Malfunction type)		
B25BA	11	Light strip 2 output signal (Light strip 2 output signal)	CIRC SHORT TO GRND	Diagnosis condition	Ignition switch ON
				Signal (terminal)	Ambient lamp (front door grip LH) signal
				Threshold	Harness to the ambient lamp (front door grip LH) is shorted to ground
				Diagnosis delay time	–

POSSIBLE CAUSE
- Short to ground between circuit of ambient lamp (front door grip LH) and left front door control unit
- Ambient lamp (front door grip LH)
- Left front door control unit

FAIL-SAFE
Inhibit ambient lamp (front door grip LH) operation

DTC CONFIRMATION PROCEDURE

1.PERFORM DTC CONFIRMATION PROCEDURE

1. Turn ignition switch ON.
2. Select “Self Diagnostic Result” mode of “Left front door control unit” using CONSULT.

Is DTC detected?

YES >> Refer to INL-80, "LH : Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-56, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

LH : Diagnosis Procedure

INFOID:0000000013551400

1.CHECK AMBIENT LAMP INPUT SIGNAL CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect left front door control unit and ambient lamp (front door grip LH) connector.
3. Check continuity between left front door control unit harness connector and ground.

Left front door control unit		Ground	Continuity
Connector	Terminal		
D17	59		Not existed
	60		

Is the inspection result normal?

YES >> GO TO 2.
NO >> Repair or replace harness.

2.ERASE DTC

1. Connect left front door control unit and ambient lamp (front door grip LH) connector.
2. Turn ignition switch ON.
3. Select “Self Diagnostic Result” mode of “Left front door control unit” using CONSULT.

4. Erase DTC, and then repeat “DTC CONFIRMATION PROCEDURE”. Refer to INL-80, "LH : DTC Description".

Is DTC “B25BA-11” detected?

YES >> GO TO 3.
NO >> INSPECTION END

3.REPLACE AMBIENT LAMP AND ERASE DTC

1. Turn ignition switch OFF.
2. Replace ambient lamp (front door grip LH). Refer to INL-138, "DOOR GRIP : Replacement".
3. Turn ignition switch ON.
4. Select “Self Diagnostic Result” mode of “Left front door control unit” using CONSULT.
5. Erase DTC, and then repeat “DTC CONFIRMATION PROCEDURE”. Refer to INL-80, "LH : DTC Description".

Is DTC “B25BA-11” detected?

YES >> Replace left front door control unit. Refer to DLK-286, "Removal and Installation".
NO >> INSPECTION END

RH

RH : DTC Description

INFOID:0000000013551401

DTC DETECTION LOGIC

DTC		CONSULT screen items (Trouble diagnosis content)	CONSULT screen items (Malfunction type)	DTC detecting condition	
B25BA	11	Light strip 2 output signal (Light strip 2 output signal)	CIRC SHORT TO GRND	Diagnosis condition	Ignition switch ON
				Signal (terminal)	Ambient lamp (front door grip RH) signal
				Threshold	Harness to the ambient lamp (front door grip RH) is shorted to ground
				Diagnosis delay time	–

POSSIBLE CAUSE

- Short to ground between circuit of ambient lamp (front door grip RH) and right front door control unit
- Ambient lamp (front door grip RH)
- Right front door control unit

FAIL-SAFE

Inhibit ambient lamp (front door grip RH) operation

DTC CONFIRMATION PROCEDURE

1.PERFORM DTC CONFIRMATION PROCEDURE

1. Turn ignition switch ON.
2. Select “Self Diagnostic Result” mode of “Right front door control unit” using CONSULT.

Is DTC detected?

YES >> Refer to INL-81, "RH : Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-56, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

RH : Diagnosis Procedure

INFOID:0000000013551402

1.CHECK AMBIENT LAMP INPUT SIGNAL CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect right front door control unit and ambient lamp (front door grip RH) connector.
3. Check continuity between right front door control unit harness connector and ground.

Right front door control unit		Ground	Continuity
Connector	Terminal		
D60	59		Not existed
	60		

Is the inspection result normal?

YES >> GO TO 2.
NO >> Repair or replace harness.

2.ERASE DTC

1. Connect right front door control unit and ambient lamp (front door grip RH) connector.
2. Turn ignition switch ON.
3. Select “Self Diagnostic Result” mode of “Right front door control unit” using CONSULT.
4. Erase DTC, and then repeat “DTC CONFIRMATION PROCEDURE”. Refer to INL-81, "RH : DTC Description".

Is DTC “B25BA-11” detected?

YES >> GO TO 3.
NO >> INSPECTION END

3.REPLACE AMBIENT LAMP AND ERASE DTC

1. Turn ignition switch OFF.
2. Replace ambient lamp (front door grip RH). Refer to INL-138, "DOOR GRIP : Replacement".
3. Turn ignition switch ON.
4. Select “Self Diagnostic Result” mode of “Right front door control unit” using CONSULT.
5. Erase DTC, and then repeat “DTC CONFIRMATION PROCEDURE”. Refer to INL-81, "RH : DTC Description".

Is DTC “B25BA-11” detected?

YES >> Replace right front door control unit. Refer to DLK-286, "Removal and Installation".
NO >> INSPECTION END

B161E INSIDE MIRROR LAMP

DTC Description

INFOID:0000000013551403

DTC DETECTION LOGIC

DTC		CONSULT screen items (Trouble diagnosis content)	CONSULT screen items [Malfunction type]	DTC detecting condition	
B161E	01	Reading lamp/exit lamp output signal (Reading lamp/exit lamp output signal)	[ELECTRICAL MALFUNCTION]	Diagnosis condition	Ambient lamp (inside mirror): active
				Signal (terminal)	LIN (roof) signal
				Threshold	Harness to the inside rear view mirror has a open or short circuit
				Diagnosis delay time	2 sec.

POSSIBLE CAUSE

- Short circuit between inside rear view mirror and overhead control panel control unit
- Disconnection between inside rear view mirror and overhead control panel control unit
- Inside rear view mirror
- Overhead control panel control unit

FAIL-SAFE

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DTC CONFIRMATION PROCEDURE

1.PERFORM DTC CONFIRMATION PROCEDURE

1. Turn ignition switch ON.
2. Turn map lamp switch to door position.
3. Open the driver door.
4. Select “Self Diagnostic Result” mode of “BCM” using CONSULT.

Is DTC detected?

YES >> Refer to INL-83, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-56, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000013551404

1.CHECK INSIDE REAR VIEW MIRROR INPUT SIGNAL CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect overhead control panel control unit and inside rear view mirror connector.
3. Check voltage between overhead control panel control unit harness connector and ground.

(+)		(–)	Voltage (Approx.)
Overhead control panel control unit			
Connector	Terminal		
M171	2	Ground	0 V
	3		
	5		
	6		

4. Check continuity between overhead control panel control unit harness connector and inside rear view mirror harness connector.

Overhead control panel control unit		Inside rear view mirror		Continuity
Connector	Terminal	Connector	Terminal	
M171	2	M145	3	Existed
	3		4	
	5		2	
	6		1	

5. Check continuity between overhead control panel control unit harness connector and ground.

Overhead control panel control unit		Ground	Continuity
Connector	Terminal		
M171	2	Ground	Not existed
	3		
	5		
	6		

Is the inspection result normal?

YES >> GO TO 2.
NO >> Repair or replace harness.

2.ERASE DTC

1. Connect overhead control panel control unit harness connector and inside rear view mirror connector.
2. Turn ignition switch ON.
3. Select “Self Diagnostic Result” mode of “BCM” using CONSULT.
4. Erase DTC, and then repeat “DTC CONFIRMATION PROCEDURE”. Refer to INL-83, "DTC Description".

Is DTC “B161E-01” detected?

YES >> GO TO 3.
NO >> INSPECTION END

3.REPLACE INSIDE REAR VIEW MIRROR AND ERASE DTC

1. Turn ignition switch OFF.
2. Replace inside rear view mirror. Refer to MIR-66, "Removal and Installation".
3. Turn ignition switch ON.
4. Select “Self Diagnostic Result” mode of “BCM” using CONSULT.
5. Erase DTC, and then repeat “DTC CONFIRMATION PROCEDURE”. Refer to INL-83, "DTC Description".

Is DTC “B161E-01” detected?

YES >> GO TO 4.
NO >> INSPECTION END

4.REPLACE OVERHEAD CONTROL PANEL CONTROL UNIT AND ERASE DTC

1. Turn ignition switch OFF.
2. Replace overhead control panel control unit. Refer to INL-114, "Removal and Installation".
3. Turn ignition switch ON.
4. Select “Self Diagnostic Result” mode of “BCM” using CONSULT.
5. Erase DTC, and then repeat “DTC CONFIRMATION PROCEDURE”. Refer to INL-83, "DTC Description".

Is DTC “B161E-01” detected?

YES >> Replace BCM. Refer to BCS-248, "Removal and Installation".
NO >> INSPECTION END

B1692 FRONT DOOR ILLUMINATION

DTC Description

INFOID:0000000013551405

DTC DETECTION LOGIC

DTC		CONSULT screen items (Trouble diagnosis content)	CONSULT screen items (Malfunction type)	DTC detecting condition	
B1692	11	Circuit 58d (Circuit 58d)	CIRC SHORT TO GRND	Diagnosis condition	Ignition switch ON
				Signal (terminal)	Switch indicator signal
				Threshold	Harness to the rotary light switch indicator is shorted to ground
				Diagnosis delay time	12.5 sec.

POSSIBLE CAUSE

- Short to ground between circuit of rotary light switch and BCM
- Rotary light switch
- BCM

FAIL-SAFE

Inhibit rotary light switch indicator operation

DTC CONFIRMATION PROCEDURE

1.PERFORM DTC CONFIRMATION PROCEDURE

1. Turn ignition switch ON.
2. Select “Self Diagnostic Result” mode of “BCM” using CONSULT.

Is DTC detected?

YES >> Refer to INL-85, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-56, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000013551406

1.CHECK SWITCH INDICATOR INPUT SIGNAL CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect BCM and rotary light switch connector.
3. Check continuity between BCM harness connector and ground.

BCM		Ground	Continuity
Connector	Terminal		
M25	7		Not existed

Is the inspection result normal?

YES >> GO TO 2.
NO >> Repair or replace harness.

2.ERASE DTC

1. Connect BCM and rotary light switch connector.
2. Turn ignition switch ON.
3. Select “Self Diagnostic Result” mode of “BCM” using CONSULT.
4. Erase DTC, and then repeat “DTC CONFIRMATION PROCEDURE”. Refer to INL-85, "DTC Description".

Is DTC “B1692-11” detected?

YES >> GO TO 3.
NO >> INSPECTION END

3. REPLACE ROTARY LIGHT SWITCH AND ERASE DTC

1. Turn ignition switch OFF.
2. Replace rotary light switch.
3. Turn ignition switch ON.
4. Select “Self Diagnostic Result” mode of “BCM” using CONSULT.
5. Erase DTC, and then repeat “DTC CONFIRMATION PROCEDURE”. Refer to INL-85, "DTC Description".

Is DTC “B1692-11” detected?

YES >> Replace BCM. Refer to BCS-248, "Removal and Installation".
NO >> INSPECTION END

B170F BACK DOOR LAMP

DTC Description

INFOID:0000000013551407

DTC DETECTION LOGIC

DTC		CONSULT screen items (Trouble diagnosis content)	CONSULT screen items (Malfunction type)	DTC detecting condition	
B170F	15	Trunk room/luggage room lamp 1 (Trunk room/luggage room lamp 1)	CIRC SHORT TO BATTERY OR OPEN	Diagnosis condition	Back door lamp ON operation
				Signal (terminal)	Back door lamp signal
				Threshold	Harness to the back door lamp has a open circuit or shorted to battery
				Diagnosis delay time	12.5 sec.

POSSIBLE CAUSE

- Short to battery between circuit of back door lamp and BCM
- Disconnection between circuit of back door lamp and BCM
- Back door lamp
- BCM

FAIL-SAFE

Inhibit back door lamp operation

DTC CONFIRMATION PROCEDURE

1.PERFORM DTC CONFIRMATION PROCEDURE

1. Turn ignition switch ON.
2. Turn map lamp switch to door position
3. Open the driver door.
4. Select “Self Diagnostic Result” mode of “BCM” using CONSULT.

Is DTC detected?

YES >> Refer to INL-87, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-56, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000013551408

1.CHECK BACK DOOR LAMP INPUT SIGNAL CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect BCM and back door lamp connector.
3. Check voltage between BCM harness connector and ground.

(+)		(–)	Voltage (Approx.)
BCM			
Connector	Terminal		
M27	40	Ground	0 V

4. Check continuity between BCM harness connector and back door lamp harness connector.

BCM		Back door lamp		Continuity
Connector	Terminal	Connector	Terminal	
M27	40	M13	2	Existed

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness.

2.ERASE DTC

1. Connect BCM and back door lamp connector.
2. Turn ignition switch ON.
3. Select “Self Diagnostic Result” mode of “BCM” using CONSULT.
4. Erase DTC, and then repeat “DTC CONFIRMATION PROCEDURE”. Refer to INL-87, "DTC Description".

Is DTC “B170F-15” detected?

YES >> GO TO 3.
NO >> INSPECTION END

3.REPLACE BACK DOOR LAMP AND ERASE DTC

1. Turn ignition switch OFF.
2. Replace back door lamp. Refer to INL-130, "Removal and Installation".
3. Turn ignition switch ON.
4. Select “Self Diagnostic Result” mode of “BCM” using CONSULT.
5. Erase DTC, and then repeat “DTC CONFIRMATION PROCEDURE”. Refer to INL-87, "DTC Description".

Is DTC “B170F-15” detected?

YES >> Replace BCM. Refer to BCS-248, "Removal and Installation".
NO >> INSPECTION END

B1727 VANITY MIRROR LAMP

DTC Description

INFOID:0000000013551409

DTC DETECTION LOGIC

DTC		CONSULT screen items (Trouble diagnosis content)	CONSULT screen items [Malfunction type]	DTC detecting condition	
B1727	01	Vanity mirror lamp (Vanity mirror) lamp	[ELECTRICAL MALFUNCTION]	Diagnosis condition	Vanity mirror lamp: active
				Signal (terminal)	LIN (roof) signal
				Threshold	Harness to the vanity mirror lamp has a open or short circuit
				Diagnosis delay time	–

POSSIBLE CAUSE

- Short circuit between vanity mirror lamp and overhead control panel control unit
- Disconnection between vanity mirror lamp and overhead control panel control unit
- Vanity mirror lamp
- Overhead control panel control unit
- BCM

FAIL-SAFE

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DTC CONFIRMATION PROCEDURE

1.PERFORM DTC CONFIRMATION PROCEDURE

1. Turn ignition switch ON.
2. Open the vanity mirror.
3. Select “Self Diagnostic Result” mode of “BCM” using CONSULT.

Is DTC detected?

YES >> Refer to INL-89, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-56, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000013551410

1.CHECK VANITY MIRROR LAMP INPUT SIGNAL CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect overhead control panel control unit and vanity mirror lamp connector.
3. Check voltage between overhead control panel control unit harness connector and ground.

(+)		(–)	Voltage (Approx.)
Overhead control panel control unit			
Connector	Terminal		
M598	26	Ground	0 V
	28		

4. Check continuity between overhead control panel control unit harness connector and vanity mirror lamp harness connector.

Overhead control panel control unit		Vanity mirror lamp			Continuity
Connector	Terminal	Connector		Terminal	
M598	26	RH	R20	2	Existed
	28	LH	R22		

5. Check continuity between overhead control panel control unit harness connector and ground.

Overhead control panel control unit		Ground	Continuity
Connector	Terminal		
M598	26		Not existed
	28		

Is the inspection result normal?

YES >> GO TO 2.
NO >> Repair or replace harness.

2.CHECK VANITY MIRROR LAMP SWITCH CIRCUIT

1. Disconnect vanity mirror connector.
2. Check continuity between overhead control panel control unit harness connector and vanity mirror harness connector.

Overhead control panel control unit		Vanity mirror			Continuity
Connector	Terminal	Connector		Terminal	
M598	25	RH	R19	1	Existed
	27	LH	R21		

3. Check continuity between overhead control panel control unit harness connector and ground.

Overhead control panel control unit		Ground	Continuity
Connector	Terminal		
M598	25		Not existed
	27		

Is the inspection result normal?

YES >> GO TO 3.
NO >> Repair or replace harness.

3.CHECK VANITY MIRROR LAMP GROUND CIRCUIT

1. Check continuity between vanity mirror lamp harness connector and vanity mirror harness connector.

Vanity mirror lamp			Vanity mirror			Continuity
Connector		Terminal	Connector		Terminal	
RH	R20	1	RH	R19	2	Existed
LH	R22		LH	R21		

2. Check continuity between vanity mirror lamp harness connector and ground.

Vanity mirror lamp			Ground	Continuity
Connector		Terminal		
RH	R20	1		Not existed
LH	R22			

Is the inspection result normal?

YES >> GO TO 4.
NO >> Repair or replace harness.

4. ERASE DTC

1. Connect overhead control panel control unit harness connector, vanity mirror and vanity mirror lamp connector.
2. Turn ignition switch ON.
3. Select “Self Diagnostic Result” mode of “BCM” using CONSULT.
4. Erase DTC, and then repeat “DTC CONFIRMATION PROCEDURE”. Refer to INL-89, "DTC Description".

Is DTC “B1727-01” detected?

YES >> GO TO 5.
NO >> INSPECTION END

5. REPLACE VANITY MIRROR LAMP AND ERASE DTC

1. Turn ignition switch OFF.
2. Replace vanity mirror lamp. Refer to INL-116, "Removal and Installation".
3. Turn ignition switch ON.
4. Select “Self Diagnostic Result” mode of “BCM” using CONSULT.
5. Erase DTC, and then repeat “DTC CONFIRMATION PROCEDURE”. Refer to INL-89, "DTC Description".

Is DTC “B1727-01” detected?

YES >> GO TO 6.
NO >> INSPECTION END

6. REPLACE VANITY MIRROR AND ERASE DTC

1. Turn ignition switch OFF.
2. Replace vanity mirror. Refer to INL-116, "Removal and Installation".
3. Turn ignition switch ON.
4. Select “Self Diagnostic Result” mode of “BCM” using CONSULT.
5. Erase DTC, and then repeat “DTC CONFIRMATION PROCEDURE”. Refer to INL-89, "DTC Description".

Is DTC “B1727-01” detected?

YES >> GO TO 7.
NO >> INSPECTION END

7. REPLACE OVERHEAD CONTROL PANEL CONTROL UNIT AND ERASE DTC

1. Turn ignition switch OFF.
2. Replace overhead control panel control unit. Refer to INL-114, "Removal and Installation".
3. Turn ignition switch ON.
4. Select “Self Diagnostic Result” mode of “BCM” using CONSULT.
5. Erase DTC, and then repeat “DTC CONFIRMATION PROCEDURE”. Refer to INL-89, "DTC Description".

Is DTC “B1727-01” detected?

YES >> Replace BCM. Refer to BCS-248, "Removal and Installation".
NO >> INSPECTION END

B1734 FRONT MAP LAMP SWITCH

DTC Description

INFOID:0000000013551411

DTC DETECTION LOGIC

DTC		CONSULT screen items (Trouble diagnosis content)	CONSULT screen items (Malfunction type)	DTC detecting condition	
B1734	2A	Reading light fl button (Reading light front left button)	SIGNAL STUCK IN RANGE	Diagnosis condition	Press front map lamp switch LH
				Signal (terminal)	LIN (roof) signal
				Threshold	The front map lamp switch LH has a malfunction. There is no signal change (ON stuck)
				Diagnosis delay time	40 sec.

POSSIBLE CAUSE

- Overhead control panel control unit
- BCM

FAIL-SAFE

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DTC CONFIRMATION PROCEDURE

1.PERFORM DTC CONFIRMATION PROCEDURE

1. Turn ignition switch ON and wait 40 sec. or more.
2. Select “Self Diagnostic Result” mode of “BCM” using CONSULT.

Is DTC detected?

YES >> Refer to INL-92, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-56, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000013551412

1.CHECK SELF DIAGNOSTIC RESULT

Check DTC using CONSULT.

What is the display history of DTC “B1734-2A”?

“PAST” >> GO TO 2.
“CRNT”>> GO TO 3.

2.ERASE DTC

1. Select “Self Diagnostic Result” mode of “BCM” using CONSULT.
2. Erase DTC, and then repeat “DTC CONFIRMATION PROCEDURE”. Refer to INL-92, "DTC Description".

Is DTC “B1734-2A” detected?

YES >> GO TO 3.
NO >> Check intermittent incident. Refer to GI-56, "Intermittent Incident".

3.REPLACE OVERHEAD CONTROL PANEL CONTROL UNIT AND ERASE DTC

1. Turn ignition switch OFF.
2. Replace overhead control panel control unit. Refer to INL-114, "Removal and Installation".
3. Turn ignition switch ON.
4. Select “Self Diagnostic Result” mode of “BCM” using CONSULT.
5. Erase DTC, and then repeat “DTC CONFIRMATION PROCEDURE”. Refer to INL-92, "DTC Description".

Is DTC “B1734-2A” detected?

YES >> Replace BCM. Refer to BCS-248, "Removal and Installation".
NO >> INSPECTION END

B1735 FRONT MAP LAMP SWITCH

DTC Description

INFOID:0000000013551413

DTC DETECTION LOGIC

DTC		CONSULT screen items (Trouble diagnosis content)	CONSULT screen items (Malfunction type)	DTC detecting condition	
B1735	2A	Reading light fr button (Reading light front right button)	SIGNAL STUCK IN RANGE	Diagnosis condition	Press front map lamp switch RH
				Signal (terminal)	LIN (roof) signal
				Threshold	The front map lamp switch RH has a malfunction. There is no signal change (ON stuck)
				Diagnosis delay time	40 sec.

POSSIBLE CAUSE

- Overhead control panel control unit
- BCM

FAIL-SAFE

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DTC CONFIRMATION PROCEDURE

1.PERFORM DTC CONFIRMATION PROCEDURE

1. Turn ignition switch ON and wait 40 sec. or more.
2. Select “Self Diagnostic Result” mode of “BCM” using CONSULT.

Is DTC detected?

YES >> Refer to INL-94, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-56, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000013551414

1.CHECK SELF DIAGNOSTIC RESULT

Check DTC using CONSULT.

What is the display history of DTC “B1735-2A”?

“PAST” >> GO TO 2.
“CRNT”>> GO TO 3.

2.ERASE DTC

1. Select “Self Diagnostic Result” mode of “BCM” using CONSULT.
2. Erase DTC, and then repeat “DTC CONFIRMATION PROCEDURE”. Refer to INL-94, "DTC Description".

Is DTC “B1735-2A” detected?

YES >> GO TO 3.
NO >> Check intermittent incident. Refer to GI-56, "Intermittent Incident".

3.REPLACE OVERHEAD CONTROL PANEL CONTROL UNIT AND ERASE DTC

1. Turn ignition switch OFF.
2. Replace overhead control panel control unit. Refer to INL-114, "Removal and Installation".
3. Turn ignition switch ON.
4. Select “Self Diagnostic Result” mode of “BCM” using CONSULT.
5. Erase DTC, and then repeat “DTC CONFIRMATION PROCEDURE”. Refer to INL-94, "DTC Description".

Is DTC “B1735-2A” detected?

YES >> Replace BCM. Refer to BCS-248, "Removal and Installation".
NO >> INSPECTION END

B1738 REAR ROOM LAMP SWITCH

DTC Description

INFOID:0000000013551415

DTC DETECTION LOGIC

DTC		CONSULT screen items (Trouble diagnosis content)	CONSULT screen items (Malfunction type)	DTC detecting condition	
B1738	2A	Room lamp button (Room lamp button)	SIGNAL STUCK IN RANGE	Diagnosis condition	Press rear room lamp switch
				Signal (terminal)	LIN (roof) signal
				Threshold	The rear room lamp switch has a malfunction. There is no signal change (ON stuck)
				Diagnosis delay time	40 sec.

POSSIBLE CAUSE

- Overhead control panel control unit
- BCM

FAIL-SAFE

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DTC CONFIRMATION PROCEDURE

1.PERFORM DTC CONFIRMATION PROCEDURE

1. Turn ignition switch ON and wait 40 sec. or more.
2. Select “Self Diagnostic Result” mode of “BCM” using CONSULT.

Is DTC detected?

YES >> Refer to INL-96, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-56, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000013551416

1.CHECK SELF DIAGNOSTIC RESULT

Check DTC using CONSULT.

What is the display history of DTC “B1738-2A”?

“PAST” >> GO TO 2.
“CRNT”>> GO TO 3.

2.ERASE DTC

1. Select “Self Diagnostic Result” mode of “BCM” using CONSULT.
2. Erase DTC, and then repeat “DTC CONFIRMATION PROCEDURE”. Refer to INL-96, "DTC Description".

Is DTC “B1738-2A” detected?

YES >> GO TO 3.
NO >> Check intermittent incident. Refer to GI-56, "Intermittent Incident".

3.REPLACE OVERHEAD CONTROL PANEL CONTROL UNIT AND ERASE DTC

1. Turn ignition switch OFF.
2. Replace overhead control panel control unit. Refer to INL-114, "Removal and Installation".
3. Turn ignition switch ON.
4. Select “Self Diagnostic Result” mode of “BCM” using CONSULT.
5. Erase DTC, and then repeat “DTC CONFIRMATION PROCEDURE”. Refer to INL-96, "DTC Description".

Is DTC “B1738-2A” detected?

YES >> Replace BCM. Refer to BCS-248, "Removal and Installation".

NO >> INSPECTION END

B1739 AMBIENT LAMP (REAR INSIDE HANDLE)

DTC Description

INFOID:0000000013551417

DTC DETECTION LOGIC

DTC		CONSULT screen items		DTC detecting condition	
		(Trouble diagnosis content)	(Malfunction type)		
B1739	11	Door handle illumination output signal (Door handle illumination output signal)	CIRC SHORT TO GRND	Diagnosis condition	Turn ignition switch ON
				Signal (terminal)	Ambient lamp (rear inside handle) signal
				Threshold	Harness to the ambient lamp (rear inside handle) is shorted to ground
				Diagnosis delay time	12.5 sec.

POSSIBLE CAUSE

- Short to ground between circuit of ambient lamp (rear inside handle) and BCM
- Ambient lamp (rear inside handle)
- BCM

FAIL-SAFE

Inhibit malfunction ambient lamp (rear inside handle) operation

DTC CONFIRMATION PROCEDURE

1.PERFORM DTC CONFIRMATION PROCEDURE

1. Turn ignition switch ON.
2. Select “Self Diagnostic Result” mode of “BCM” using CONSULT.

Is DTC detected?

YES >> Refer to INL-98, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-56, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000013551418

1.CHECK AMBIENT LAMP INPUT SIGNAL CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect BCM, ambient lamp (rear inside handle LH) and ambient lamp (rear inside handle RH) connector.
3. Check continuity between BCM harness connector and ground.

BCM		Ground	Continuity
Connector	Terminal		
M28	101		Not existed

Is the inspection result normal?

YES >> GO TO 2.
NO >> Repair or replace harness.

2.ERASE DTC

1. Connect BCM, ambient lamp (rear inside handle LH) and ambient lamp (rear inside handle RH) connector.
2. Turn ignition switch ON.
3. Select “Self Diagnostic Result” mode of “BCM” using CONSULT.
4. Erase DTC, and then repeat “DTC CONFIRMATION PROCEDURE”. Refer to INL-98, "DTC Description".

Is DTC “B1739-11” detected?

YES >> GO TO 3.
NO >> INSPECTION END

3. REPLACE AMBIENT LAMP AND ERASE DTC

1. Turn ignition switch OFF.
2. Replace ambient lamp (rear inside handle RH) and ambient lamp (rear inside handle LH). Refer to INL-137, "INSIDE HANDLE : Removal and Installation".
3. Turn ignition switch ON.
4. Select “Self Diagnostic Result” mode of “BCM” using CONSULT.
5. Erase DTC, and then repeat “DTC CONFIRMATION PROCEDURE”. Refer to INL-98, "DTC Description".

Is DTC “B1739-11” detected?

YES >> Replace BCM. Refer to BCS-248, "Removal and Installation".
NO >> INSPECTION END

B1749 ROOM LAMP

DTC Description

INFOID:0000000013551419

DTC DETECTION LOGIC

DTC		CONSULT screen items (Trouble diagnosis content)	CONSULT screen items [Malfunction type]	DTC detecting condition	
B1749	01	Rear interior illumination (Rear interior illumination)	[ELECTRICAL MALFUNCTION]	Diagnosis condition	Room lamp: active
				Signal (terminal)	LIN (roof) signal
				Threshold	Harness to the room lamp has a open or short circuit
				Diagnosis delay time	2 sec.

POSSIBLE CAUSE

- Short circuit between room lamp and overhead control panel control unit
- Disconnection between room lamp and overhead control panel control unit
- Room lamp
- Overhead control panel control unit

FAIL-SAFE

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DTC CONFIRMATION PROCEDURE

1.PERFORM DTC CONFIRMATION PROCEDURE

1. Turn ignition switch ON.
2. Turn map lamp switch to DOOR position.
3. Open the driver door.
4. Select “Self Diagnostic Result” mode of “BCM” using CONSULT.

Is DTC detected?

YES >> Refer to INL-100, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-56, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000013551420

1.CHECK ROOM LAMP INPUT SIGNAL CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect overhead control panel control unit and room lamp connector.
3. Check voltage between overhead control panel control unit harness connector and ground.

(+)		(–)	Voltage (Approx.)
Overhead control panel control unit			
Connector	Terminal		
M595	15	Ground	0 V
	16		

4. Check continuity between overhead control panel control unit harness connector and room lamp harness connector.

With rear map lamp models

Overhead control panel control unit		Room lamp (with rear map lamp)		Continuity
Connector	Terminal	Connector	Terminal	
M595	15	R1	3	Existed
	16		4	

Without rear map lamp models

Overhead control panel control unit		Room lamp		Continuity
Connector	Terminal	Connector	Terminal	
M595	15	R16	1	Existed
	16		2	

5. Check continuity between overhead control panel control unit harness connector and ground.

Overhead control panel control unit		Ground	Continuity
Connector	Terminal		
M595	15		Not existed
	16		

Is the inspection result normal?

YES >> GO TO 2.
NO >> Repair or replace harness.

2.ERASE DTC

1. Connect overhead control panel control unit harness connector and room lamp connector.
2. Turn ignition switch ON.
3. Select “Self Diagnostic Result” mode of “BCM” using CONSULT.
4. Erase DTC, and then repeat “DTC CONFIRMATION PROCEDURE”. Refer to INL-100, "DTC Description".

Is DTC “B1749-01” detected?

YES >> GO TO 3.
NO >> INSPECTION END

3.REPLACE ROOM LAMP AND ERASE DTC

1. Turn ignition switch OFF.
2. Replace room lamp. Refer to INL-118, "Removal and Installation".
3. Turn ignition switch ON.
4. Select “Self Diagnostic Result” mode of “BCM” using CONSULT.
5. Erase DTC, and then repeat “DTC CONFIRMATION PROCEDURE”. Refer to INL-100, "DTC Description".

Is DTC “B1749-01” detected?

YES >> GO TO 4.
NO >> INSPECTION END

4.REPLACE OVERHEAD CONTROL PANEL CONTROL UNIT AND ERASE DTC

1. Turn ignition switch OFF.
2. Replace overhead control panel control unit. Refer to INL-114, "Removal and Installation".
3. Turn ignition switch ON.
4. Select “Self Diagnostic Result” mode of “BCM” using CONSULT.
5. Erase DTC, and then repeat “DTC CONFIRMATION PROCEDURE”. Refer to INL-100, "DTC Description".

Is DTC “B1749-01” detected?

YES >> Replace BCM. Refer to BCS-248, "Removal and Installation".
NO >> INSPECTION END

B1F24 AMBIENT LAMP

DTC Description

INFOID:0000000013551421

DTC DETECTION LOGIC

DTC		CONSULT screen items (Trouble diagnosis content)	CONSULT screen items (Malfunction type)	DTC detecting condition	
B1F24	11	Ambiance illumi (red) output signal [Ambiance illumination (red) output signal]	CIRC SHORT TO GRND	Diagnosis condition	Ignition switch ON
				Signal (terminal)	Ambient lamp control signal
				Threshold	• Harness to the ambient lamp (rear door grip LH/RH) is shorted to ground • Harness to the ambient lamp (front seat driver/passenger side) is shorted to ground • Harness to the ambient lamp (rear seat LH/RH) is shorted to ground
				Diagnosis delay time	–

POSSIBLE CAUSE

- Short to ground between circuit of ambient lamp (rear door grip LH/RH) and BCM
- Short to ground between circuit of ambient lamp (front seat driver/passenger side) and BCM
- Short to ground between circuit of ambient lamp (rear seat LH/RH) and BCM
- Ambient lamp (rear door grip LH/RH)
- Ambient lamp (front seat driver/passenger side)
- Ambient lamp (rear seat LH/RH)
- BCM

FAIL-SAFE

Inhibit ambient lamp (rear door grip LH/RH), ambient lamp (front seat driver/passenger side) and ambient lamp (rear seat LH/RH) operation

DTC CONFIRMATION PROCEDURE

1.PERFORM DTC CONFIRMATION PROCEDURE

1. Turn ignition switch ON.
2. Select “Self Diagnostic Result” mode of “BCM” using CONSULT.

Is DTC detected?

YES >> Refer to INL-102, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-56, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000013551422

1.CHECK AMBIENT LAMP INPUT SIGNAL CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect BCM, ambient lamp (rear door grip LH/RH), ambient lamp (front seat driver/passenger side) and ambient lamp (rear seat LH/RH) connector.
3. Check continuity between BCM harness connector and ground.

BCM		Ground	Continuity
Connector	Terminal		
M28	102		Not existed

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness.

2.ERASE DTC

1. Connect BCM, ambient lamp (rear door grip LH/RH), ambient lamp (front seat driver/passenger side) and ambient lamp (rear seat LH/RH) connector.
2. Turn ignition switch ON.
3. Select “Self Diagnostic Result” mode of “BCM” using CONSULT.
4. Erase DTC, and then repeat “DTC CONFIRMATION PROCEDURE”. Refer to INL-102, "DTC Description".

Is DTC “B1F24-11” detected?

YES >> GO TO 3.
NO >> INSPECTION END

3.REPLACE AMBIENT LAMP AND ERASE DTC

1. Turn ignition switch OFF.
2. Replace ambient lamp (rear door grip LH/RH), ambient lamp (front seat driver/passenger side) and ambient lamp (rear seat LH/RH). Refer to INL-138, "DOOR GRIP : Replacement" (door grip) or INL-140, "SEAT : Removal and Installation" (seat).
3. Turn ignition switch ON.
4. Select “Self Diagnostic Result” mode of “BCM” using CONSULT.
5. Erase DTC, and then repeat “DTC CONFIRMATION PROCEDURE”. Refer to INL-102, "DTC Description".

Is DTC “B1F24-11” detected?

YES >> Replace BCM. Refer to BCS-248, "Removal and Installation".
NO >> INSPECTION END

B1F4E FOOT LAMP

DTC Description

INFOID:0000000013551423

DTC DETECTION LOGIC

DTC		CONSULT screen items (Trouble diagnosis content)	CONSULT screen items (Malfunction type)	DTC detecting condition	
B1F4E	11	Foot lamp output signal (Foot lamp output signal)	CIRC SHORT TO GRND	Diagnosis condition	Foot lamp ON operation
				Signal (terminal)	Rear foot lamp signal
				Threshold	Harness to the foot lamp is shorted to ground
				Diagnosis delay time	12.5 sec.
	15		CIRC SHORT TO BATTERY OR OPEN	Diagnosis condition	Foot lamp ON operation
				Signal (terminal)	Rear foot lamp signal
				Threshold	Harness to the foot lamp has a open circuit or shorted to battery
				Diagnosis delay time	12.5 sec.

POSSIBLE CAUSE (B1F4E-11)

- Short to ground between circuit of foot lamp and BCM
- Rear foot lamp
- Front foot lamp
- BCM

POSSIBLE CAUSE (B1F4E-15)

- Short to battery between circuit of foot lamp and BCM
- Disconnection between foot lamp and BCM
- Rear foot lamp
- Front foot lamp
- BCM

FAIL-SAFE

Inhibit malfunction foot lamp operation

DTC CONFIRMATION PROCEDURE

1.PERFORM DTC CONFIRMATION PROCEDURE

1. Turn ignition switch ON.
2. Turn map lamp switch to DOOR position
3. Open the driver door.
4. Select “Self Diagnostic Result” mode of “BCM” using CONSULT.

Is DTC detected?

YES >> Refer to INL-104, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-56, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000013551424

DTC “B1F4E-11”

1.CHECK FOOT LAMP INPUT SIGNAL CIRCUIT

1. Turn ignition switch OFF.

2. Disconnect BCM and foot lamp connector.
3. Check continuity between BCM harness connector and ground.

BCM		Ground	Continuity
Connector	Terminal		
M25	14		Not existed

Is the inspection result normal?

YES >> GO TO 2.
NO >> Repair or replace harness.

2.ERASE DTC

1. Connect BCM and foot lamp connector.
2. Turn ignition switch ON.
3. Select “Self Diagnostic Result” mode of “BCM” using CONSULT.
4. Erase DTC, and then repeat “DTC CONFIRMATION PROCEDURE”. Refer to INL-104, "DTC Description".

Is DTC “B1F4E-11” detected?

YES >> GO TO 3.
NO >> INSPECTION END

3.REPLACE FOOT LAMP AND ERASE DTC

1. Turn ignition switch OFF.
2. Replace foot lamp. Refer to INL-124, "Removal and Installation".
3. Turn ignition switch ON.
4. Select “Self Diagnostic Result” mode of “BCM” using CONSULT.
5. Erase DTC, and then repeat “DTC CONFIRMATION PROCEDURE”. Refer to INL-104, "DTC Description".

Is DTC “B1F4E-11” detected?

YES >> Replace BCM. Refer to BCS-248, "Removal and Installation".
NO >> INSPECTION END

DTC “B1F4E-15”

1.CHECK FOOT LAMP INPUT SIGNAL CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect BCM and foot lamp connector.
3. Check voltage between BCM harness connector and ground.

(+)		(–)	Voltage (Approx.)
BCM			
Connector	Terminal		
M25	14	Ground	0 V

4. Check continuity between BCM harness connector and foot lamp harness connector.

With rear foot lamp models

BCM		Rear foot lamp			Continuity
Connector	Terminal	Connector		Terminal	
M25	14	Driver side	D592	2	Existed
		Passenger side	D593		

With front foot lamp models

BCM		Front foot lamp			Continuity
Connector	Terminal	Connector		Terminal	
M25	14	LH	M132	2	Existed
		RH	M133		

Is the inspection result normal?

YES >> GO TO 2.
NO >> Repair or replace harness.

2.CHECK FOOT LAMP GROUND CIRCUIT

Check continuity between foot lamp harness connector and ground.

With rear foot lamp models

Rear foot lamp			Ground	Continuity
Connector		Terminal		
Driver side	D592	1		Existed
Passenger side	D593			

With front foot lamp models

Front foot lamp			Ground	Continuity
Connector		Terminal		
LH	M132	1		Existed
RH	M133			

Is the inspection result normal?

YES >> GO TO 3.
NO >> Repair or replace harness.

3.ERASE DTC

1. Connect BCM and foot lamp connector.
2. Turn ignition switch ON.
3. Select “Self Diagnostic Result” mode of “BCM” using CONSULT.
4. Erase DTC, and then repeat “DTC CONFIRMATION PROCEDURE”. Refer to INL-104, "DTC Description".

Is DTC “B1F4E-15” detected?

YES >> GO TO 4.
NO >> INSPECTION END

4.REPLACE FOOT LAMP AND ERASE DTC

1. Turn ignition switch OFF.
2. Replace foot lamp. Refer to INL-124, "Removal and Installation".
3. Turn ignition switch ON.
4. Select “Self Diagnostic Result” mode of “BCM” using CONSULT.
5. Erase DTC, and then repeat “DTC CONFIRMATION PROCEDURE”. Refer to INL-104, "DTC Description".

Is DTC “B1F4E-15” detected?

YES >> Replace BCM. Refer to BCS-248, "Removal and Installation".
NO >> INSPECTION END

B22A3 OVERHEAD CONTROL PANEL CONTROL UNIT

DTC Description

INFOID:0000000013551425

DTC DETECTION LOGIC

DTC		CONSULT screen items (Trouble diagnosis content)	CONSULT screen items [Malfunction type]	DTC detecting condition	
B22A3	1C	Overhead cont panel control unit (Overhead control panel control unit)	[CIRC VOLTAGE OUT OF RANGE]	Diagnosis condition	Turn ignition switch ON
				Signal (terminal)	LIN (roof) signal
				Threshold	Overhead control panel control unit has a malfunction. There is power supply voltage value out of the permissible range.
				Diagnosis delay time	2 sec.
	49		[INTERNAL ELECTRONIC FAILURE]	Diagnosis condition	Turn ignition switch ON
				Signal (terminal)	LIN (roof) signal
				Threshold	Overhead control panel control unit has a malfunction. There is an internal electrical error.
				Diagnosis delay time	2 sec.
	4B		[OVER TEMPERATURE]	Diagnosis condition	Turn ignition switch ON
				Signal (terminal)	LIN (roof) signal
				Threshold	Overhead control panel control unit has a malfunction. There is a over temperature.
				Diagnosis delay time	2 sec.

POSSIBLE CAUSE (B22A3-1C)

- Battery discharged
- Overhead control panel control unit
- BCM

POSSIBLE CAUSE (B22A3-49)

- Overhead control panel control unit
- BCM

POSSIBLE CAUSE (B22A3-4B)

- Overhead control panel control unit
- BCM

FAIL-SAFE

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DTC CONFIRMATION PROCEDURE

1.PERFORM DTC CONFIRMATION PROCEDURE

1. Turn ignition switch ON.
2. Select “Self Diagnostic Result” mode of “BCM” using CONSULT.

Is DTC detected?

YES >> Refer to INL-108, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-56, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000013551426

DTC “B22A3-1C”

1.CHECK BATTERY VOLTAGE

1. Turn ignition switch OFF.
2. Measure the battery voltage.

Is the inspection result normal?

YES >> GO TO 2.
NO >> Perform battery inspection. Refer to PG-102, "MAIN BATTERY : How to Handle Battery".

2.CHECK FUSE

Check that the following fuses are not blown (open).

Unit	Location	Signal name	Fuse No.
Overhead control panel control unit	Fuse and fusible link block 2	Battery power supply	39 (10 A)
			82 (10 A)

Is the fuse blown (open)?

YES >> Replace the blown (open) fuse after repairing the cause of blown (open).
NO >> GO TO 3.

3.CHECK OVERHEAD CONTROL PANEL CONTROL UNIT POWER SUPPLY CIRCUIT

1. Disconnect overhead control panel control unit connector.
2. Check voltage between overhead control panel control unit harness connector and ground.

(+)		(–)	Voltage (Approx.)
Overhead control panel control unit			
Connector	Terminal		
M172	13	Ground	12 V
	14		

Is the inspection result normal?

YES >> GO TO 4.
NO >> Repair or replace harness.

4.ERASE DTC

1. Connect overhead control panel control unit harness connector.
2. Turn ignition switch ON.
3. Select “Self Diagnostic Result” mode of “BCM” using CONSULT.
4. Erase DTC, and then repeat “DTC CONFIRMATION PROCEDURE”. Refer to INL-107, "DTC Description".

Is DTC “B22A3-1C” detected?

YES >> GO TO 5.
NO >> INSPECTION END

5.REPLACE OVERHEAD CONTROL PANEL CONTROL UNIT AND ERASE DTC

1. Turn ignition switch OFF.
2. Replace overhead control panel control unit. Refer to BCS-248, "Removal and Installation".
3. Turn ignition switch ON.
4. Select “Self Diagnostic Result” mode of “BCM” using CONSULT.
5. Erase DTC, and then repeat “DTC CONFIRMATION PROCEDURE”. Refer to INL-107, "DTC Description".

Is DTC “B22A3-1C” detected?

YES >> Replace BCM. Refer to BCS-248, "Removal and Installation".
NO >> INSPECTION END

DTC “B22A3-49”

1.REPLACE OVERHEAD CONTROL PANEL CONTROL UNIT AND ERASE DTC

1. Turn ignition switch OFF.
2. Replace overhead control panel control unit. Refer to INL-114, "Removal and Installation".
3. Turn ignition switch ON.
4. Select “Self Diagnostic Result” mode of “BCM” using CONSULT.
5. Erase DTC, and then repeat “DTC CONFIRMATION PROCEDURE”. Refer to INL-107, "DTC Description".

Is DTC “B22A3-49” detected?

YES >> Replace BCM. Refer to BCS-248, "Removal and Installation".
NO >> INSPECTION END

DTC “B22A3-4B”

1.CHECK SELF DIAGNOSTIC RESULT

Check DTC using CONSULT.

What is the display history of DTC “B22A3-4B”?

“PAST” >> GO TO 2.
“CRNT”>> GO TO 3.

2.ERASE DTC 1

1. Select “Self Diagnostic Result” mode of “BCM” using CONSULT.
2. Erase DTC, and then repeat “DTC CONFIRMATION PROCEDURE”. Refer to INL-107, "DTC Description".

Is DTC “B22A3-4B” detected?

YES >> GO TO 4.
NO >> INSPECTION END

3.ERASE DTC 2

1. Wait 5 minutes or more.
2. Select “Self Diagnostic Result” mode of “BCM” using CONSULT.
3. Erase DTC, and then repeat “DTC CONFIRMATION PROCEDURE”. Refer to INL-107, "DTC Description".

Is DTC “B22A3-4B” detected?

YES >> GO TO 4.
NO >> INSPECTION END

4.REPLACE OVERHEAD CONTROL PANEL CONTROL UNIT AND ERASE DTC

1. Turn ignition switch OFF.
2. Replace overhead control panel control unit. Refer to INL-114, "Removal and Installation".
3. Turn ignition switch ON.
4. Select “Self Diagnostic Result” mode of “BCM” using CONSULT.
5. Erase DTC, and then repeat “DTC CONFIRMATION PROCEDURE”. Refer to INL-107, "DTC Description".

Is DTC “B22A3-4B” detected?

YES >> Replace BCM. Refer to BCS-248, "Removal and Installation".
NO >> INSPECTION END

B2364 AMBIENT LAMP

DTC Description

INFOID:0000000013551427

DTC DETECTION LOGIC

DTC		CONSULT screen items (Trouble diagnosis content)	CONSULT screen items (Malfunction type)	DTC detecting condition	
B2364	11	Ambiance illumi (green) output signal [Ambiance illumination (green) output signal]	CIRC SHORT TO GRND	Diagnosis condition	Ignition switch ON
				Signal (terminal)	Ambient lamp (rear inside handle) signal
				Threshold	Harness to the ambient lamp (rear inside handle LH/RH) is shorted to ground
				Diagnosis delay time	–

POSSIBLE CAUSE

- Short to ground between circuit of ambient lamp (rear inside handle LH/RH) and BCM
- Ambient lamp (rear inside handle LH/RH)
- BCM

FAIL-SAFE

Inhibit ambient lamp (rear inside handle LH/RH) operation

DTC CONFIRMATION PROCEDURE

1.PERFORM DTC CONFIRMATION PROCEDURE

1. Turn ignition switch ON.
2. Select “Self Diagnostic Result” mode of “BCM” using CONSULT.

Is DTC detected?

YES >> Refer to INL-110, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-56, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000013551428

1.CHECK AMBIENT LAMP INPUT SIGNAL CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect BCM and ambient lamp (rear inside handle both side) connector.
3. Check continuity between BCM harness connector and ground.

BCM		Ground	Continuity
Connector	Terminal		
M28	101		Not existed

Is the inspection result normal?

YES >> GO TO 2.
NO >> Repair or replace harness.

2.ERASE DTC

1. Connect BCM and ambient lamp (rear inside handle LH/RH) connector.
2. Turn ignition switch ON.
3. Select “Self Diagnostic Result” mode of “BCM” using CONSULT.
4. Erase DTC, and then repeat “DTC CONFIRMATION PROCEDURE”. Refer to INL-110, "DTC Description".

Is DTC “B2364-11” detected?

YES >> GO TO 3.

NO >> INSPECTION END

3. REPLACE AMBIENT LAMP AND ERASE DTC

1. Turn ignition switch OFF.
2. Replace ambient lamp (rear inside handle LH/RH). Refer to INL-137, "INSIDE HANDLE : Removal and Installation".
3. Turn ignition switch ON.
4. Select “Self Diagnostic Result” mode of “BCM” using CONSULT.
5. Erase DTC, and then repeat “DTC CONFIRMATION PROCEDURE”. Refer to INL-110, "DTC Description".

Is DTC “B2364-11” detected?

YES >> Replace BCM. Refer to BCS-248, "Removal and Installation".
NO >> INSPECTION END

B2844 AMBIENT LAMP (REAR DOOR GRIP/INSTRUMENT PANEL)

DTC Description

INFOID:0000000013551429

DTC DETECTION LOGIC

DTC		CONSULT screen items (Trouble diagnosis content)	CONSULT screen items [Malfunction type]	DTC detecting condition	
B2844	11	Ambiance illumi 2 output signal (Ambiance illumination 2 output signal)	[CIRC SHORT TO GRND]	Diagnosis condition	Ambient lamp: active
				Signal (terminal)	Ambient lamp (rear door grip) signal
				Threshold	Harness to the ambient lamp (rear door grip) or ambient lamp (rear seat) is shorted to ground
				Diagnosis delay time	12.5 sec.

POSSIBLE CAUSE

- Short to ground between circuit of ambient lamp (rear door grip LH/RH) and BCM
- Short to ground between circuit of ambient lamp (rear seat LH/RH) and BCM
- Ambient lamp (rear door grip LH/RH)
- Ambient lamp (rear seat LH/RH)
- BCM

FAIL-SAFE

Inhibit malfunction ambient lamp operation

DTC CONFIRMATION PROCEDURE

1.PERFORM DTC CONFIRMATION PROCEDURE

1. Turn ignition switch ON.
2. Turn map lamp switch to door position.
3. Open the driver door.
4. Select “Self Diagnostic Result” mode of “BCM” using CONSULT.

Is DTC detected?

YES >> Refer to INL-112, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-56, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000013551430

1.CHECK AMBIENT LAMP INPUT SIGNAL CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect BCM, ambient lamp (rear door grip LH/RH) and ambient lamp (rear seat LH/RH) connector.
3. Check continuity between BCM harness connector and ground.

BCM		Ground	Continuity
Connector	Terminal		
M28	102		Not existed

Is the inspection result normal?

YES >> GO TO 2.
NO >> Repair or replace harness.

2.ERASE DTC

1. Connect BCM, ambient lamp (rear door grip LH/RH) and ambient lamp (rear seat LH/RH) connector.
2. Turn ignition switch ON.

3. Select “Self Diagnostic Result” mode of “BCM” using CONSULT.
4. Erase DTC, and then repeat “DTC CONFIRMATION PROCEDURE”. Refer to INL-112, "DTC Description".

Is DTC “B2844-11” detected?

YES >> GO TO 3.
NO >> INSPECTION END

3.REPLACE AMBIENT LAMP AND ERASE DTC

1. Turn ignition switch OFF.
2. Replace ambient lamp (rear door grip LH/RH) and ambient lamp (rear seat LH/RH). Refer to INL-138, "DOOR GRIP : Replacement" (door grip) or INL-140, "SEAT : Removal and Installation" (seat).
3. Turn ignition switch ON.
4. Select “Self Diagnostic Result” mode of “BCM” using CONSULT.
5. Erase DTC, and then repeat “DTC CONFIRMATION PROCEDURE”. Refer to INL-112, "DTC Description".

Is DTC “B2844-11” detected?

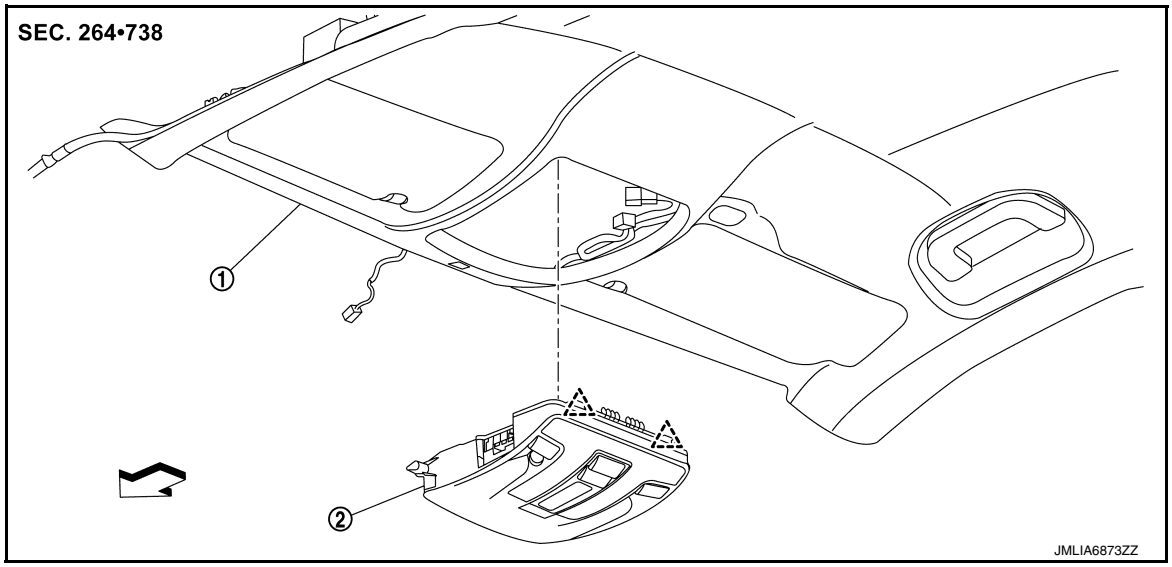
YES >> Replace BCM. Refer to BCS-248, "Removal and Installation".
NO >> INSPECTION END

REMOVAL AND INSTALLATION

OVERHEAD CONTROL PANEL CONTROL UNIT

Exploded View

INFOID:0000000013551431



① Headlining assembly
② Overhead control panel control unit
: Pawl
: Vehicle front

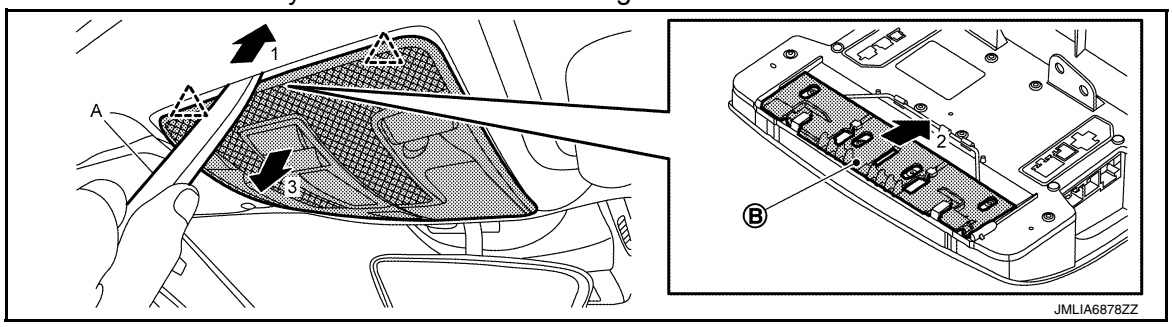
Removal and Installation

INFOID:0000000013551432

CAUTION:
Disconnect the battery negative terminal or remove power circuit fuse while performing the operation for preventing electric leakage. Refer to INL-4, "Precautions for Removing Battery Terminal".

REMOVAL

1. Insert a remover tool (A) between headlining and overhead control panel control unit and slide the portion Ⓑ to disengage fixing pawls, and then pull down overhead control panel control unit, according to numerical order 1→3 indicated by arrows as shown in the figure.



: Pawl

2. Disconnect harness connectors and disengage harness clips, and then remove overhead control panel control unit.

INSTALLATION

Note the following item, and then install in the reverse order of removal.

CAUTION:
When replacing overhead control panel control unit, the procedures of AFTER REPLACEMENT must be performed. Refer to INL-59, "Description".
NOTE:
Be sure to perform the system initialization (siren control unit) when replacing overhead control panel control unit.

Replacement

INFOID:0000000013551433

FRONT MAP LAMP BULB

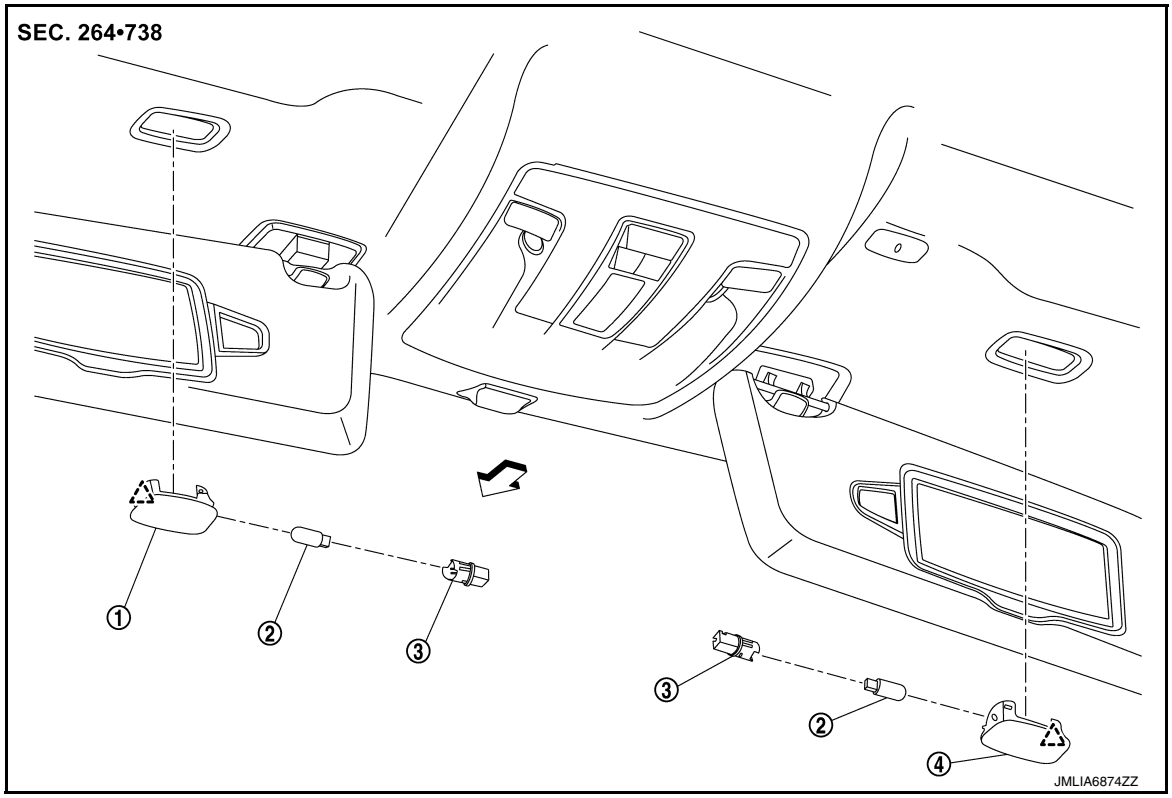
CAUTION:
- **Disconnect the battery negative terminal or remove power circuit fuse when performing the operation for preventing electric leakage. Refer to INL-4, "Precautions for Removing Battery Terminal".**
- **When replacing overhead control panel control unit, the procedures of AFTER REPLACEMENT must be performed. Refer to INL-59, "Description".**

Replacement of a single part is not possible due to the adoption of LED. For replacement, replace overhead control panel control unit as a set. Refer to INL-114, "Removal and Installation".

VANITY MIRROR LAMP

Exploded View

INFOID:0000000013551434



① Lens LH
② Bulb
③ Socket
④ Lens RH
: Pawl
: Vehicle front

Removal and Installation

INFOID:0000000013551435

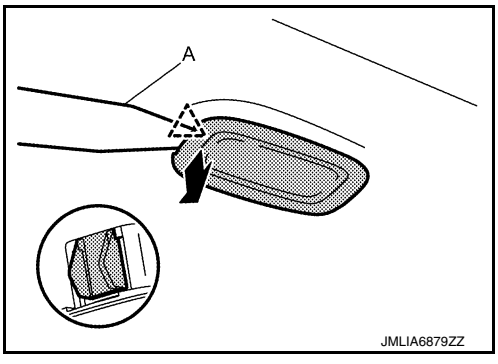
CAUTION:

- **Disconnect the battery negative terminal or remove power circuit fuse while performing the operation for preventing electric leakage. Refer to INL-4, "Precautions for Removing Battery Terminal".**
- **Never touch the glass surface of the bulb with bare hands or allow oil or grease to get on it to prevent damage to the bulb.**
- **Never touch the glass surface of the bulb with bare hands because the surface is very hot just after the lamp is turned OFF to prevent a burns.**

REMOVAL

1. Disengage fixing pawl using a remover tool (A), and then remove vanity mirror lamp assembly.

: Pawl



2. Disconnect harness connector, and then remove vanity mirror lamp assembly.

INSTALLATION

Install in the reverse order of removal.

Replacement

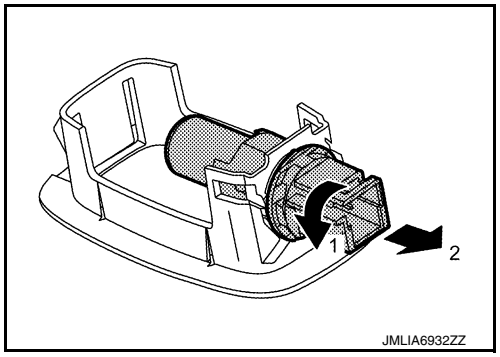
INFOID:0000000013551436

VANITY MIRROR LAMP BULB

CAUTION:

- **Disconnect the battery negative terminal or remove power circuit fuse while performing the operation for preventing electric leakage. Refer to INL-4, "Precautions for Removing Battery Terminal".**
- **Never touch the glass surface of the bulb with bare hands or allow oil or grease to get on it to prevent damage to the bulb.**
- **Never touch the glass surface of the bulb with bare hands because the surface is very hot just after the lamp is turned OFF to prevent a burns.**

1. Remove vanity mirror lamp assembly. Refer to INL-116, "Removal and Installation".
2. Remove bulb and socket as a set according to numerical order 1→2 indicated by arrows as shown in the figure.

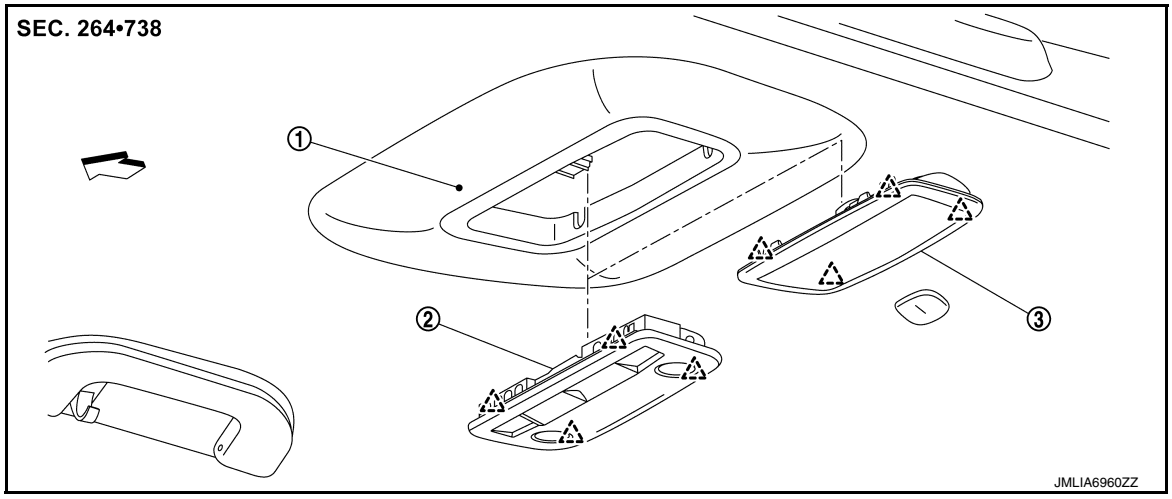


3. Remove bulb.

ROOM LAMP

Exploded View

INFOID:0000000013551437



① Headlining assembly
② Room lamp (with rear map lamp)
③ Room lamp (without rear map lamp)
△ : Pawl
⇦ : Vehicle front

Removal and Installation

INFOID:0000000013551438

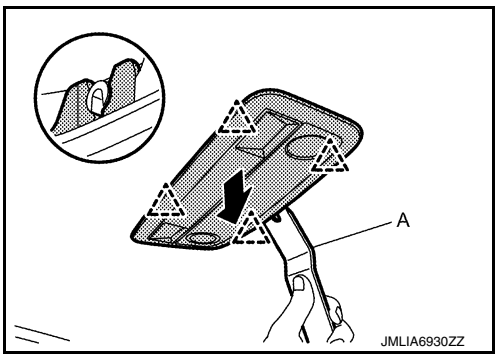
CAUTION:

- **Disconnect the battery negative terminal or remove power circuit fuse while performing the operation for preventing electric leakage. Refer to INL-4, "Precautions for Removing Battery Terminal".**
- **Never touch the glass surface of the bulb with bare hands or allow oil or grease to get on it to prevent damage to the bulb.**
- **Never touch the glass surface of the bulb with bare hands because the surface is very hot just after the lamp is turned OFF to prevent a burns.**

REMOVAL

1. Disengage fixing pawls using a remover tool (A), and then remove room lamp assembly.

△ : Pawl



2. Disconnect harness connector, and then remove room lamp assembly.

INSTALLATION

Install in the reverse order of removal.

Replacement

INFOID:0000000013551439

ROOM LAMP BULB

CAUTION:

- **Disconnect the battery negative terminal or remove power circuit fuse while performing the operation for preventing electric leakage. Refer to INL-4, "Precautions for Removing Battery Terminal".**
- **Never touch the glass surface of the bulb with bare hands or allow oil or grease to get on it to prevent damage to the bulb.**
- **Never touch the glass surface of the bulb with bare hands because the surface is very hot just after the lamp is turned OFF to prevent a burns.**

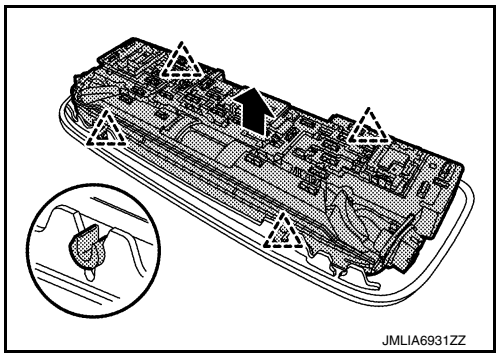
Room Lamp Bulb (without Rear Map Lamp)

1. Remove room lamp assembly. Refer to INL-118, "Removal and Installation".
2. Remove bulb and socket as a set.
3. Remove bulb from socket.

Room Lamp Bulb (with Rear Map Lamp)

1. Remove room lamp assembly. Refer to INL-118, "Removal and Installation".
2. Disengage fixing pawls, and then remove lens.

: Pawl



3. Remove bulb.

REAR MAP LAMP

Exploded View

INFOID:0000000013551440

Refer to INL-118, "Exploded View".

Removal and Installation

INFOID:0000000013551441

CAUTION:

- **Disconnect the battery negative terminal or remove power circuit fuse while performing the operation for preventing electric leakage. Refer to INL-4, "Precautions for Removing Battery Terminal".**
- **Never touch the glass surface of the bulb with bare hands or allow oil or grease to get on it to prevent damage to the bulb.**
- **Never touch the glass surface of the bulb with bare hands because the surface is very hot just after the lamp is turned OFF to prevent a burns.**

REMOVAL

Remove rear map lamp with room lamp assembly as a set. Refer to INL-118, "Removal and Installation".

INSTALLATION

Install in the reverse order of removal.

Replacement

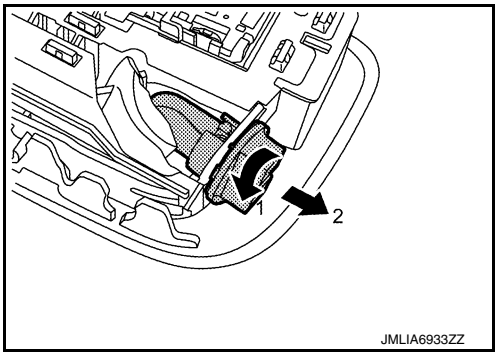
INFOID:0000000013551442

REAR MAP LAMP BULB

CAUTION:

- **Disconnect the battery negative terminal or remove power circuit fuse when performing the operation for preventing electric leakage. Refer to INL-4, "Precautions for Removing Battery Terminal".**
- **Never touch the glass surface of the bulb with bare hands or allow oil or grease to get on it for preventing damage to the bulb.**
- **The surface of the bulb is very hot just after the lamp is turned OFF. Never touch the glass surface of the bulb with bare hands for preventing burns.**

1. Remove room lamp assembly. Refer to INL-118, "Removal and Installation".
2. Remove bulb and socket as a set according to numerical order 1→2 indicated by arrows as shown in the figure.

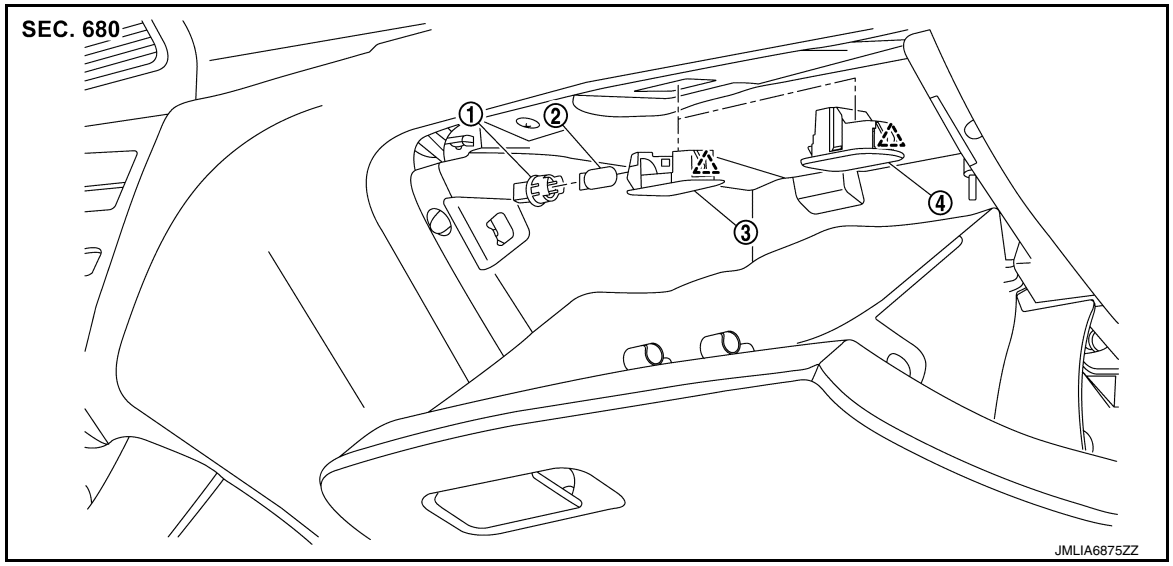


3. Remove bulb from socket.

GLOVE BOX LAMP

Exploded View

INFOID:0000000013551443



① Socket*1 ② Bulb*1 ③ Lens*1

④ Glove box lamp assembly*2

△ : Pawl

*1: Bulb type

*2: LED type

Removal and Installation

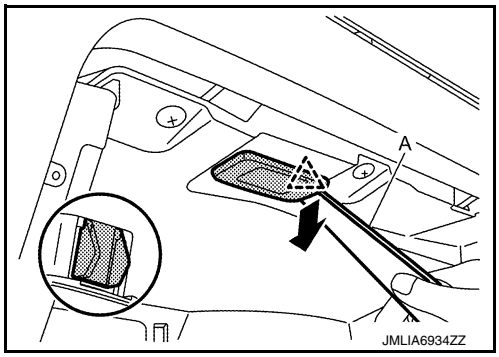
INFOID:0000000013551444

CAUTION:

- **Disconnect the battery negative terminal or remove power circuit fuse when performing the operation for preventing electric leakage. Refer to INL-4, "Precautions for Removing Battery Terminal".**
- **Never touch the glass surface of the bulb with bare hands or allow oil or grease to get on it for preventing damage to the bulb.**
- **The surface of the bulb is very hot just after the lamp is turned OFF. Never touch the glass surface of the bulb with bare hands for preventing burns.**

1. Disengage fixing pawl using a remover tool (A), and then remove glove box lamp assembly.

△ : Pawl



2. Disconnect harness connector, and then remove glove box lamp assembly.

Replacement

INFOID:0000000013551445

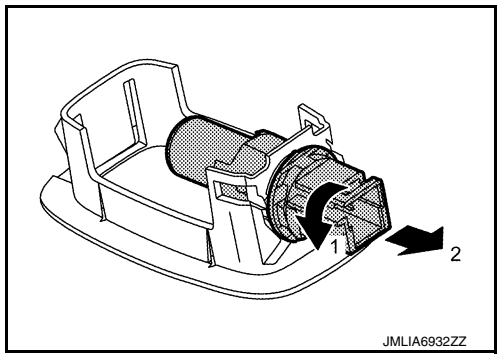
GLOVE BOX LAMP BULB

Bulb Type

CAUTION:

- **Disconnect the battery negative terminal or remove power circuit fuse when performing the operation for preventing electric leakage. Refer to INL-4, "Precautions for Removing Battery Terminal".**
- **Never touch the glass surface of the bulb with bare hands or allow oil or grease to get on it for preventing damage to the bulb.**
- **The surface of the bulb is very hot just after the lamp is turned OFF. Never touch the glass surface of the bulb with bare hands for preventing burns.**

1. Remove glove box lamp assembly. Refer to INL-121, "Removal and Installation".
2. Remove bulb and socket as a set according to numerical order 1→2 indicated by arrows as shown in the figure.



3. Remove bulb from socket.

LED Type

CAUTION:

Disconnect the battery negative terminal or remove power circuit fuse when performing the operation for preventing electric leakage. Refer to INL-4, "Precautions for Removing Battery Terminal".

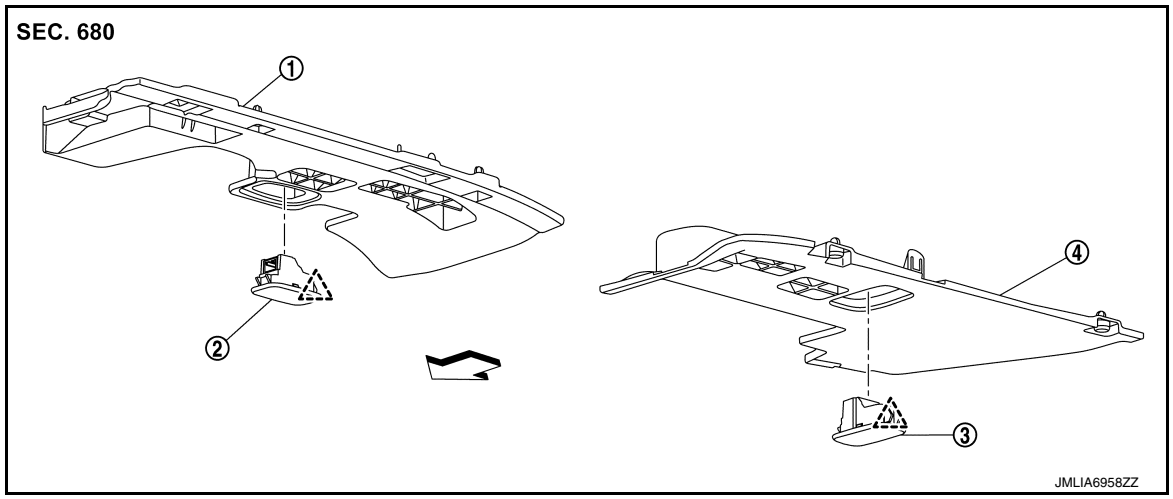
Replacement of a single part is not possible due to the adoption of LED. For replacement, replace glove box lamp assembly as a set. Refer to INL-121, "Removal and Installation".

FOOT LAMP

Exploded View

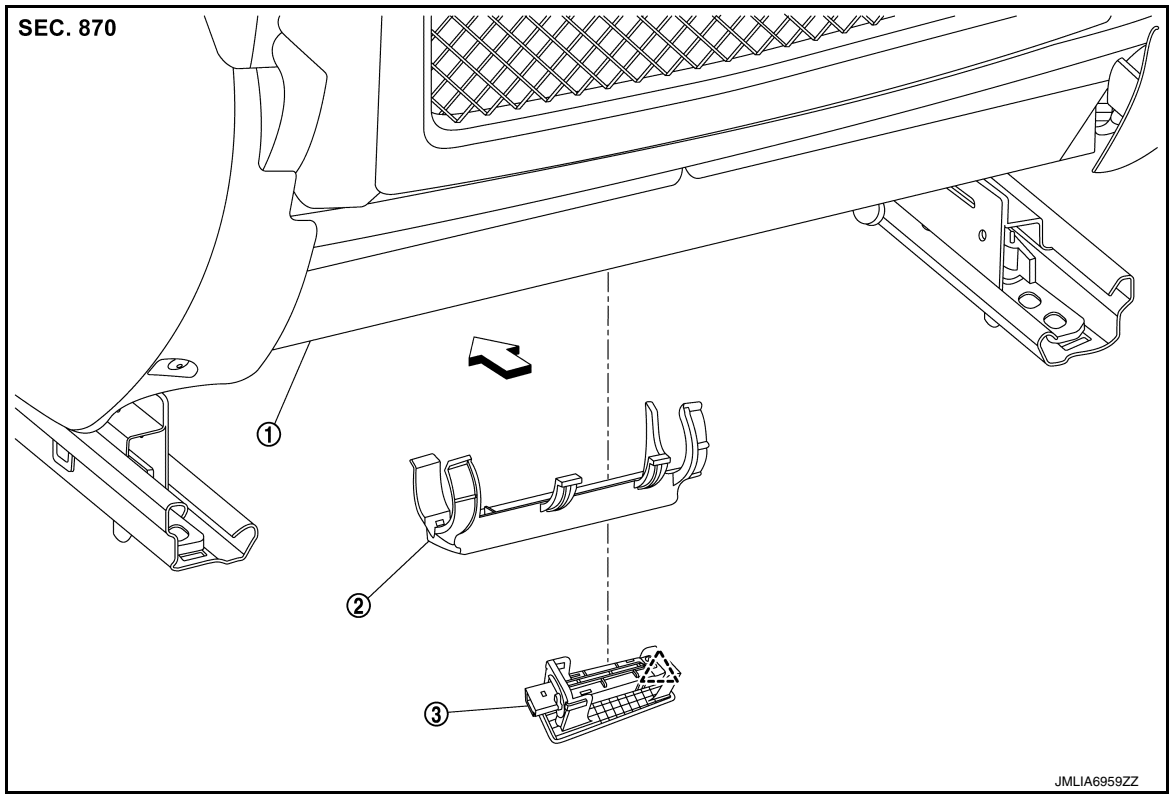
INFOID:0000000013551446

FRONT FOOT LAMP



① Instrument lower cover LH
② Foot lamp assembly LH
③ Foot lamp assembly RH
④ Instrument lower cover RH
△ : Pawl
⇦ : Vehicle front

REAR FOOT LAMP



① Front seat ② Foot lamp bracket ③ Foot lamp assembly

: Pawl

: Vehicle front

Removal and Installation

INFOID:0000000013551447

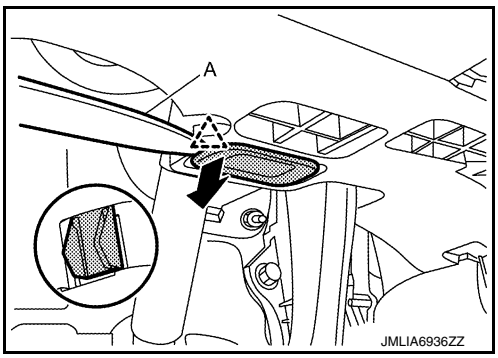
CAUTION:
Disconnect the battery negative terminal or remove power circuit fuse when performing the operation for preventing electric leakage. Refer to INL-4, "Precautions for Removing Battery Terminal".

REMOVAL

Front Foot Lamp

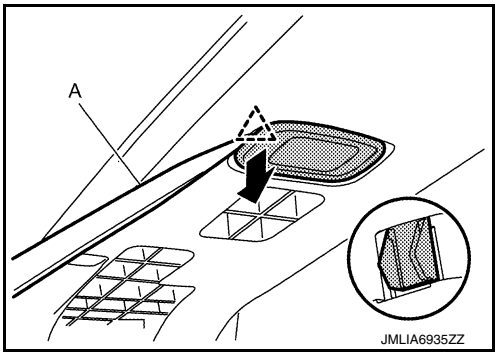
1. Disengage foot lamp assembly fixing pawl using a remover tool (A).
   - Driver side

     : Pawl



   - Passenger side

     : Pawl



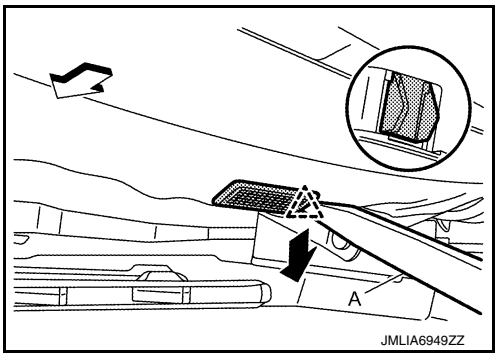
2. Disconnect foot lamp harness connector, and then remove foot lamp assembly.

Rear Foot Lamp

1. Disengage foot lamp assembly fixing pawl using a remover tool (A).

     : Pawl

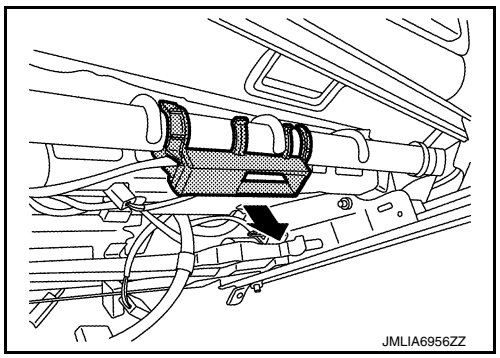
     : Vehicle front



2. Disconnect foot lamp harness connector, and then remove foot lamp assembly.

3. Disengage front seat cushion trim fixing retainers. Refer to SE-74, "SEAT CUSHION : Disassembly and Assembly".

4. Remove foot lamp bracket.



INSTALLATION

Install in the reverse order of removal.

Replacement

INFOID:0000000013551448

FOOT LAMP BULB

CAUTION:

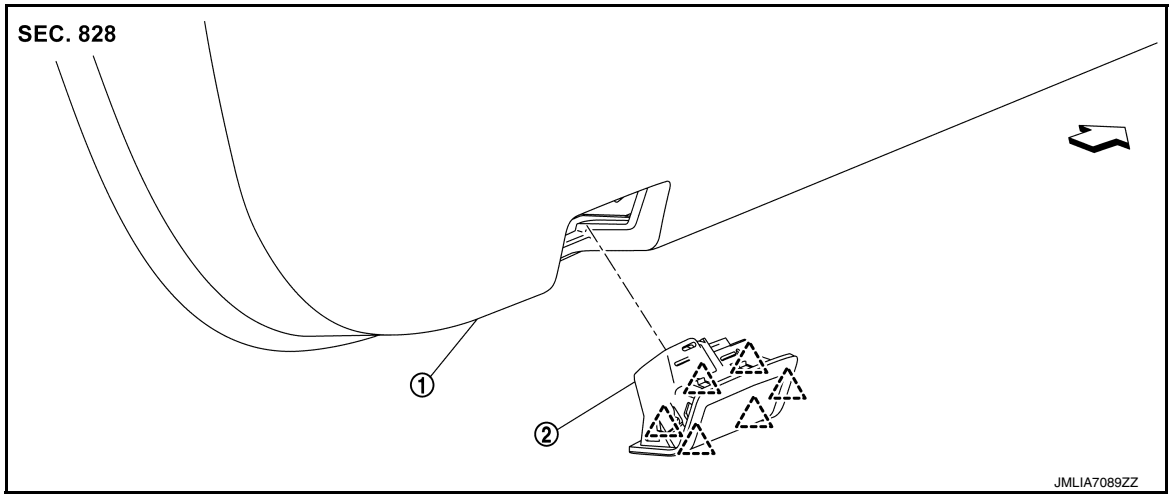
Disconnect the battery negative terminal or remove power circuit fuse when performing the operation for preventing electric leakage. Refer to INL-4, "Precautions for Removing Battery Terminal".

Replacement of a single part is not possible due to the adoption of LED. For replacement, replace foot lamp assembly as a set. Refer to INL-124, "Removal and Installation".

STEP LAMP

Exploded View

INFOID:0000000013551449



① Front door finisher
② Step lamp assembly
: Pawl
: Vehicle front

Removal and Installation

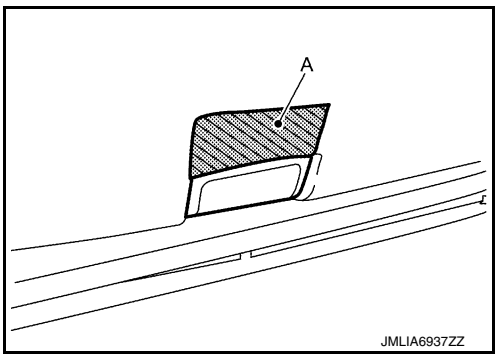
INFOID:0000000013551450

CAUTION:

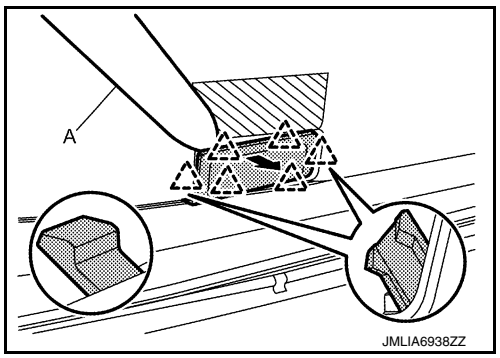
- **Disconnect the battery negative terminal or remove power circuit fuse when performing the operation for preventing electric leakage. Refer to INL-4, "Precautions for Removing Battery Terminal".**
- **Never touch the glass surface of the bulb with bare hands or allow oil or grease to get on it for preventing damage to the bulb.**
- **The surface of the bulb is very hot just after the lamp is turned OFF. Never touch the glass surface of the bulb with bare hands for preventing burns.**

REMOVAL

1. Apply protective tape (A) to front door finisher for protecting it from damage.



2. Disengage step lamp assembly fixing pawls using a remover tool (A).



: Pawl

3. Disconnect step lamp harness connector, and then remove step lamp assembly.

INSTALLATION

Install in the reverse order of removal.

Replacement

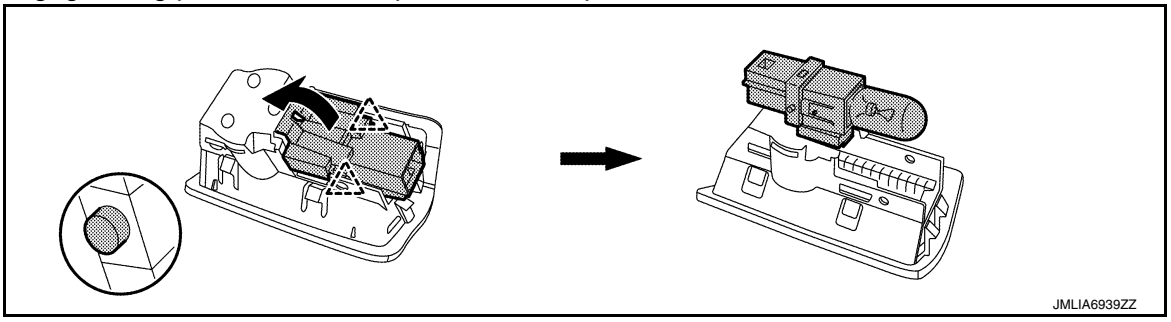
INFOID:0000000013551451

STEP LAMP BULB

CAUTION:

- **Disconnect the battery negative terminal or remove power circuit fuse when performing the operation for preventing electric leakage. Refer to INL-4, "Precautions for Removing Battery Terminal".**
- **Never touch the glass surface of the bulb with bare hands or allow oil or grease to get on it for preventing damage to the bulb.**
- **The surface of the bulb is very hot just after the lamp is turned OFF. Never touch the glass surface of the bulb with bare hands for preventing burns.**

1. Remove step lamp assembly. Refer to INL-126, "Removal and Installation".
2. Disengage fixing pawls, and then open the socket portion.



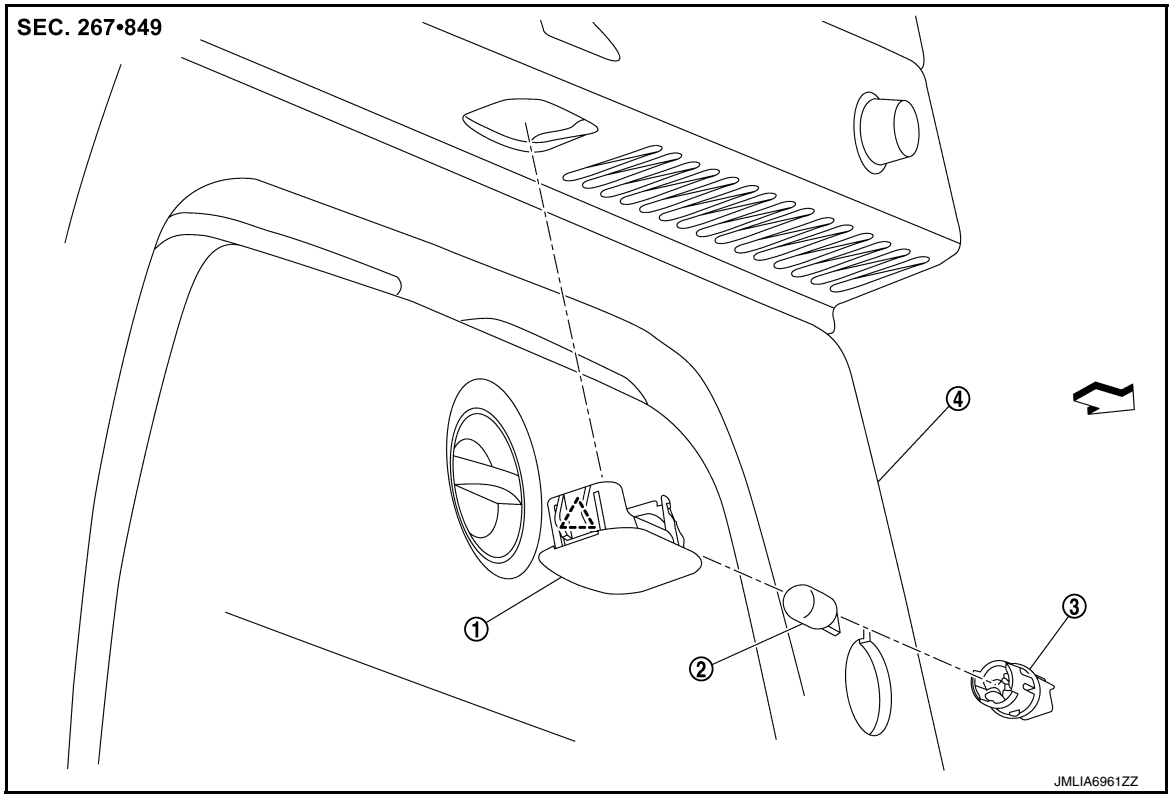
: Pawl

3. Remove bulb.

LUGGAGE ROOM LAMP

Exploded View

INFOID:0000000013551452



① Lens
② Bulb
③ Socket
④ Rear pillar garnish LH
: Pawl
: Vehicle front

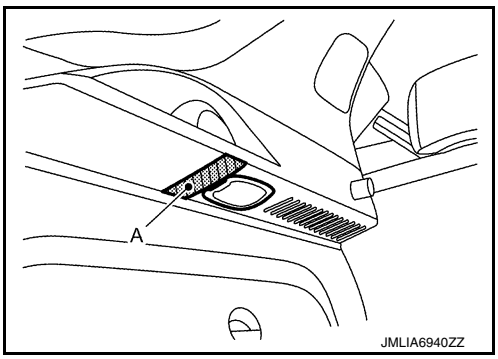
Removal and Installation

INFOID:0000000013551453

CAUTION:
Disconnect the battery negative terminal or remove power circuit fuse when performing the operation for preventing electric leakage. Refer to INL-4, "Precautions for Removing Battery Terminal".

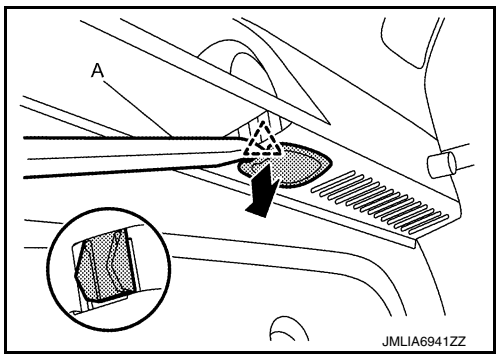
REMOVAL

1. Apply protective tape (A) to rear pillar garnish LH for protecting it from damage.



2. Disengage luggage room lamp assembly fixing pawl using a remover tool (A).

: Pawl



3. Disconnect harness connector, and then remove luggage room lamp assembly.

INSTALLATION

Install in the reverse order of removal.

Replacement

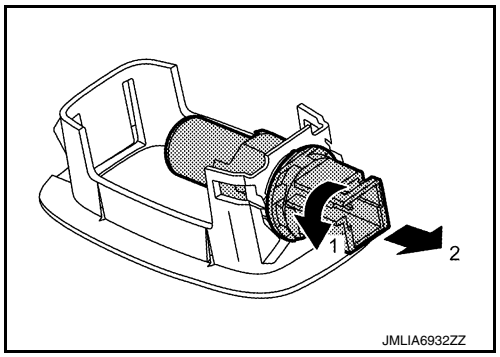
INFOID:0000000013551454

LUGGAGE ROOM LAMP BULB

CAUTION:

- **Disconnect the battery negative terminal or remove power circuit fuse when performing the operation for preventing electric leakage. Refer to INL-4, "Precautions for Removing Battery Terminal".**
- **Never touch the glass surface of the bulb with bare hands or allow oil or grease to get on it for preventing damage to the bulb.**
- **The surface of the bulb is very hot just after the lamp is turned OFF. Never touch the glass surface of the bulb with bare hands for preventing burns.**

1. Remove luggage room lamp assembly. Refer to INL-128, "Removal and Installation".
2. Remove bulb and socket as a set according to numerical order 1→2 indicated by arrows as shown in the figure.

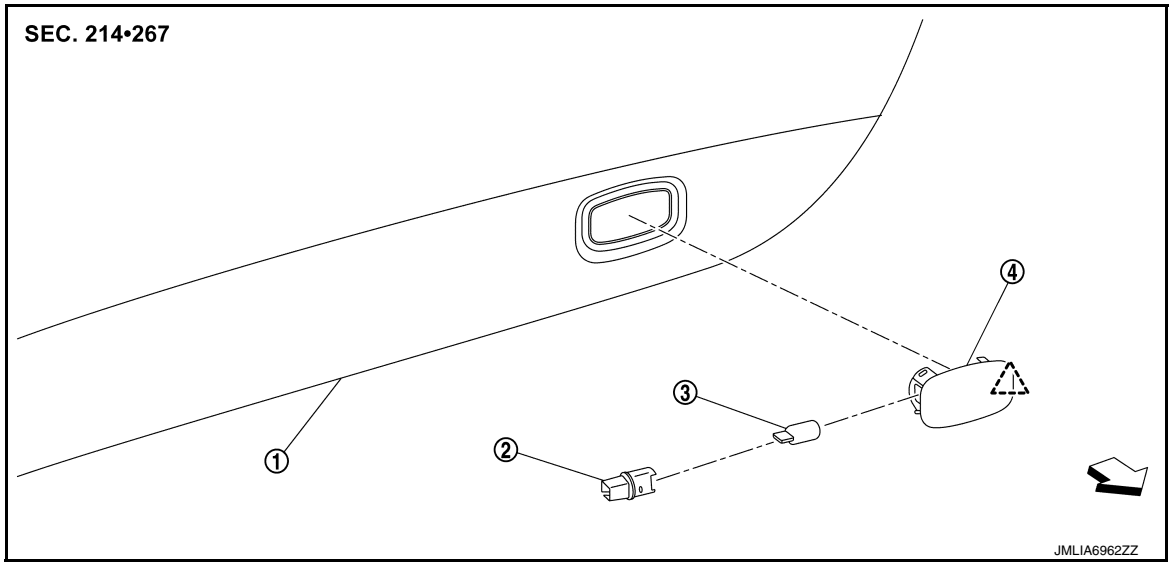


3. Remove bulb.

BACK DOOR LAMP

Exploded View

INFOID:0000000013551455



① Back door inner finisher ② Socket ③ Bulb
④ Lens
: Pawl
: Vehicle front

Removal and Installation

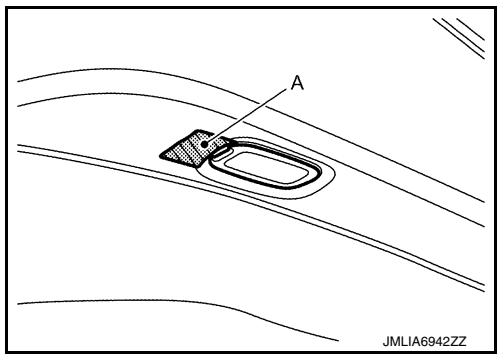
INFOID:0000000013551456

CAUTION:

- **Disconnect the battery negative terminal or remove power circuit fuse when performing the operation for preventing electric leakage. Refer to INL-4, "Precautions for Removing Battery Terminal".**
- **Never touch the glass surface of the bulb with bare hands or allow oil or grease to get on it for preventing damage to the bulb.**
- **The surface of the bulb is very hot just after the lamp is turned OFF. Never touch the glass surface of the bulb with bare hands for preventing burns.**

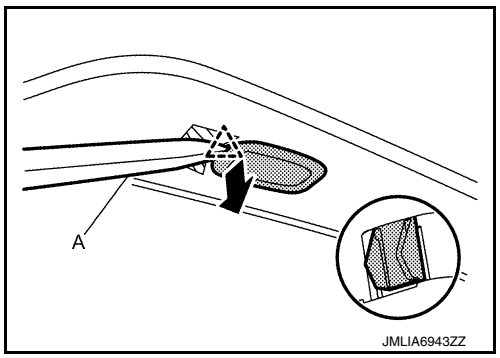
REMOVAL

1. Apply protective tape (A) to back door inner finisher for protecting it from damage.



2. Disengage back door lamp assembly fixing pawls using a remover tool (A).

: Pawl



3. Disconnect harness connector, and then remove back door lamp assembly.

INSTALLATION

Install in the reverse order of removal.

Replacement

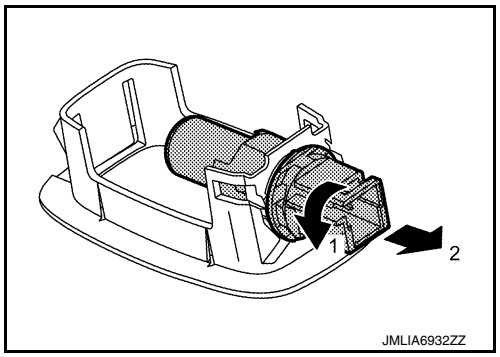
INFOID:0000000013551457

BACK DOOR LAMP BULB

CAUTION:

- **Disconnect the battery negative terminal or remove power circuit fuse when performing the operation for preventing electric leakage. Refer to INL-4, "Precautions for Removing Battery Terminal".**
- **Never touch the glass surface of the bulb with bare hands or allow oil or grease to get on it for preventing damage to the bulb.**
- **The surface of the bulb is very hot just after the lamp is turned OFF. Never touch the glass surface of the bulb with bare hands for preventing burns.**

1. Remove back door lamp assembly. Refer to INL-130, "Removal and Installation".
2. Remove bulb and socket as a set according to numerical order 1→2 indicated by arrows as shown in the figure.



3. Remove bulb.

INSIDE MIRROR LAMP

Exploded View

INFOID:0000000013551458

Refer to MIR-66, "Exploded View".

Replacement

INFOID:0000000013551459

INSIDE MIRROR LAMP BULB

CAUTION:

Disconnect the battery negative terminal or remove power circuit fuse when performing the operation for preventing electric leakage. Refer to INL-4, "Precautions for Removing Battery Terminal".

Replacement of a single part is not possible due to the adoption of LED. For replacement, replace inside mirror assembly as a set. Refer to MIR-66, "Removal and Installation".

OUTSIDE MIRROR LAMP

Exploded View

INFOID:0000000013551460

Refer to MIR-68, "Exploded View".

Replacement

INFOID:0000000013551461

OUTSIDE MIRROR LAMP BULB

CAUTION:

Disconnect the battery negative terminal or remove power circuit fuse when performing the operation for preventing electric leakage. Refer to INL-4, "Precautions for Removing Battery Terminal".

Replacement of a single part is not possible due to the adoption of LED. For replacement, replace door mirror assembly as a set. Refer to MIR-72, "DOOR MIRROR ASSEMBLY : Removal and Installation".

AMBIENT LAMP

INSIDE MIRROR

INSIDE MIRROR : Exploded View

INFOID:0000000013551462

Refer to MIR-66, "Exploded View".

INSIDE MIRROR : Replacement

INFOID:0000000013551463

AMBIENT LAMP BULB (INSIDE MIRROR)

CAUTION:

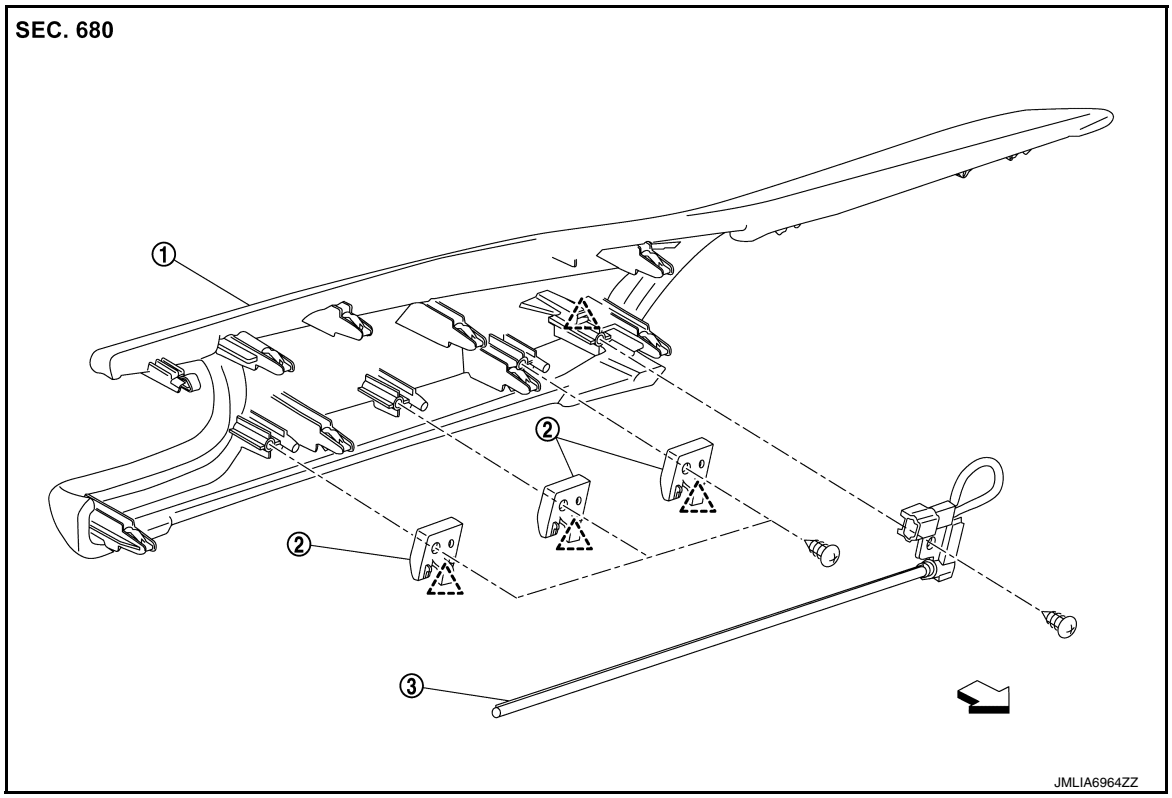
Disconnect the battery negative terminal or remove power circuit fuse when performing the operation for preventing electric leakage. Refer to INL-4, "Precautions for Removing Battery Terminal".

Replacement of a single part is not possible due to the adoption of LED. For replacement, replace inside mirror assembly as a set. Refer to MIR-66, "Removal and Installation".

INSTRUMENT PANEL

INSTRUMENT PANEL : Exploded View

INFOID:0000000013551464



① Instrument pad C ② Bracket ③ Ambient lamp assembly

△ : Pawl

⇦ : Vehicle front

INSTRUMENT PANEL : Removal and Installation

INFOID:0000000013551465

CAUTION:

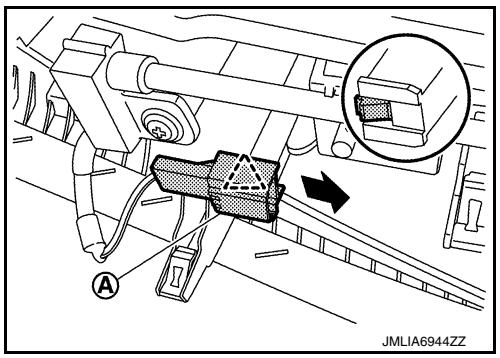
Disconnect the battery negative terminal or remove power circuit fuse when performing the operation for preventing electric leakage. Refer to INL-4, "Precautions for Removing Battery Terminal".

REMOVAL

1. Remove instrument pad C. Refer to IP-13, "Removal and Installation".

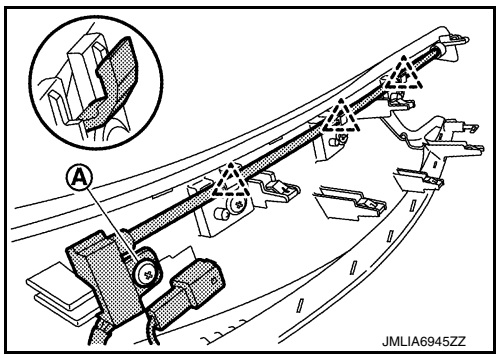
2. Disengage fixing pawl, and then remove ambient lamp harness connector Ⓐ from instrument pad C.

: Pawl



3. Remove fixing screw Ⓐ and disengage fixing pawls, and then remove ambient lamp assembly.

: Pawl



4. Remove fixing screws, and then remove bracket.

INSTALLATION

Install in the reverse order of removal.

INSTRUMENT PANEL : Replacement

INFOID:0000000013551466

AMBIENT LAMP BULB (INSTRUMENT PANEL)

CAUTION:

Disconnect the battery negative terminal or remove power circuit fuse when performing the operation for preventing electric leakage. Refer to INL-4, "Precautions for Removing Battery Terminal".

Replacement of a single part is not possible due to the adoption of LED. For replacement, replace ambient lamp assembly as a set. Refer to INL-134, "INSTRUMENT PANEL : Removal and Installation".

CUP HOLDER

CUP HOLDER : Exploded View

INFOID:0000000013551467

Refer to IP-21, "Exploded View".

CUP HOLDER : Replacement

INFOID:0000000013551468

AMBIENT LAMP BULB (CUP HOLDER)

CAUTION:

Disconnect the battery negative terminal or remove power circuit fuse when performing the operation for preventing electric leakage. Refer to INL-4, "Precautions for Removing Battery Terminal".

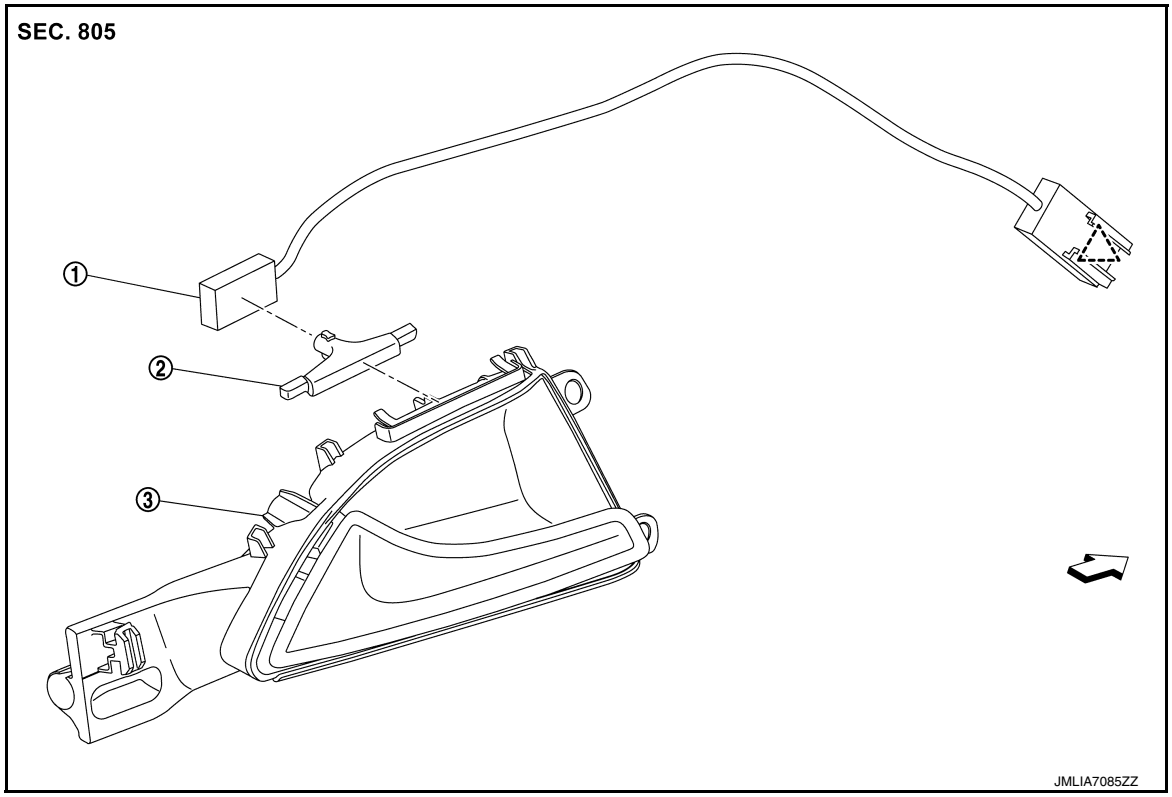
Replacement of a single part is not possible due to the adoption of LED. For replacement, replace cup holder as a set. Refer to IP-22, "Removal and Installation".

INSIDE HANDLE

INSIDE HANDLE : Exploded View

INFOID:0000000013551469

FRONT DOOR

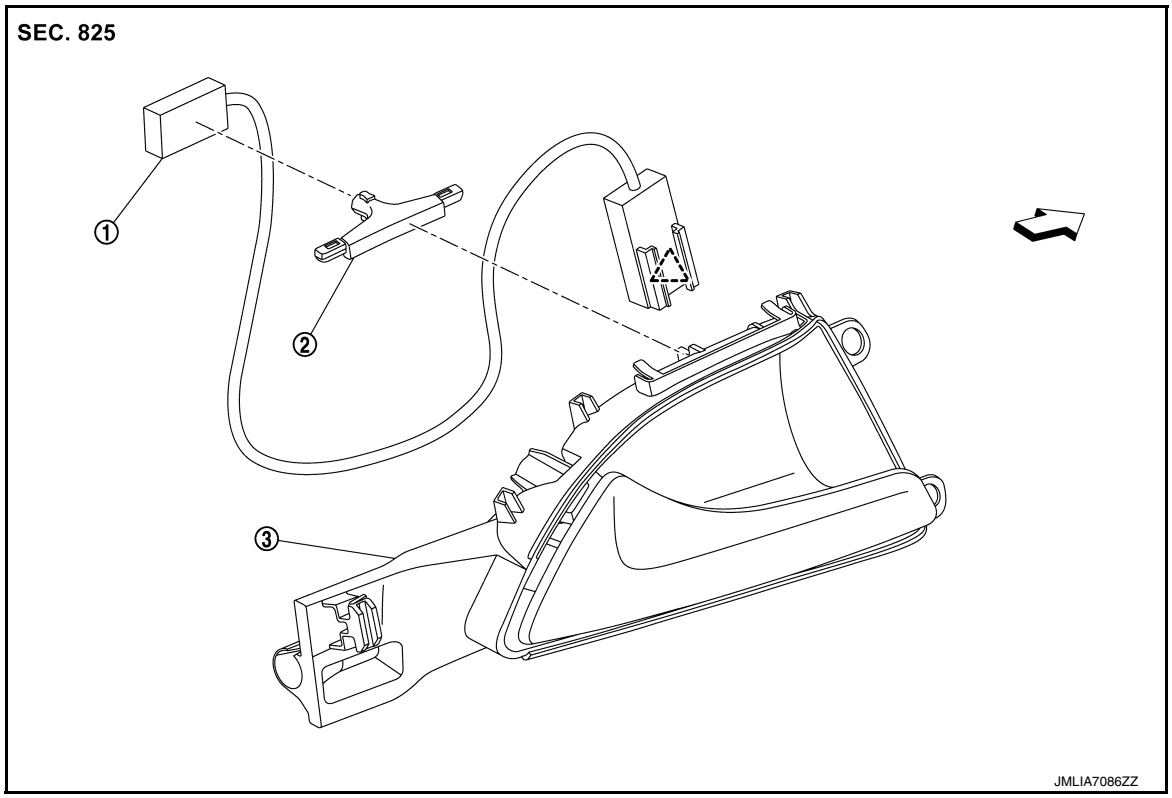


① Ambient lamp ② Ambient lamp guide ③ Front door inside handle

△ : Pawl

⇦ : Vehicle front

REAR DOOR



① Ambient lamp ② Ambient lamp guide ③ Rear door inside handle

: Pawl

: Vehicle front

INSIDE HANDLE : Removal and Installation

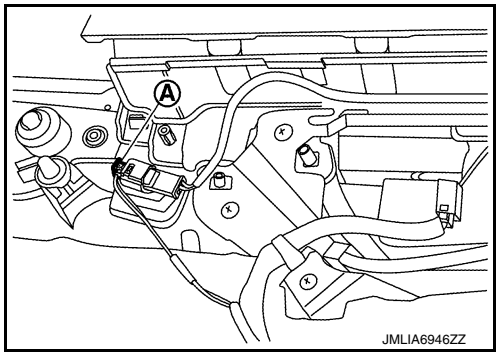
INFOID:0000000013551470

CAUTION:
Disconnect the battery negative terminal or remove power circuit fuse when performing the operation for preventing electric leakage. Refer to INL-4, "Precautions for Removing Battery Terminal".

REMOVAL

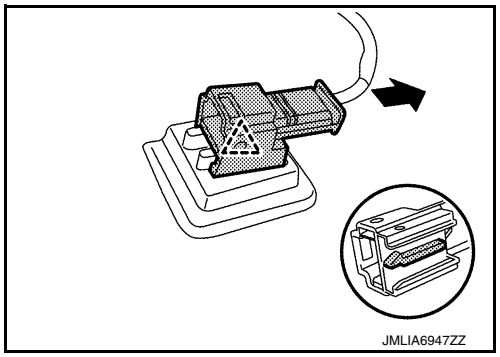
Front Door

1. Remove front door finisher. Refer to INT-14, "Removal and Installation".
2. Disconnect ambient lamp harness connector Ⓐ.



3. Disengage fixing pawl, and then remove ambient lamp harness connector from front door finisher.

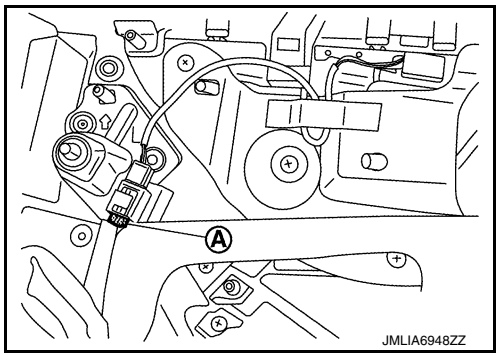
: Pawl



4. Remove ambient lamp and ambient lamp guide.

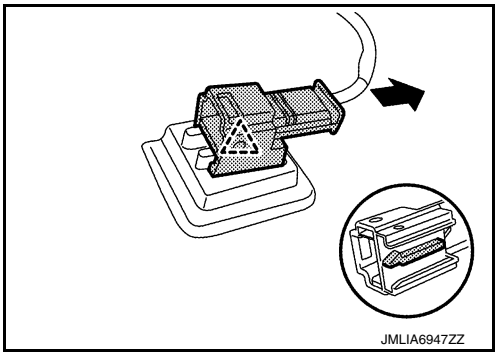
Rear Door

1. Remove rear door finisher. Refer to INT-19, "Removal and Installation".
2. Disconnect ambient lamp harness connector Ⓐ.



3. Disengage fixing pawl, and then remove ambient lamp harness connector from front door finisher.

: Pawl



4. Remove ambient lamp and ambient lamp guide.

INSTALLATION

Install in the reverse order of removal.

INSIDE HANDLE : Replacement

INFOID:0000000013551471

AMBIENT LAMP BULB (INSIDE HANDLE)

CAUTION:

Disconnect the battery negative terminal or remove power circuit fuse when performing the operation for preventing electric leakage. Refer to INL-4, "Precautions for Removing Battery Terminal".

Replacement of a single part is not possible due to the adoption of LED. For replacement, replace ambient lamp as a set. Refer to INL-137, "INSIDE HANDLE : Removal and Installation".

DOOR GRIP

DOOR GRIP : Exploded View

INFOID:0000000013551472

FRONT DOOR

Refer to INT-13, "Exploded View".

REAR DOOR

Refer to INT-19, "Exploded View".

DOOR GRIP : Replacement

INFOID:0000000013551473

AMBIENT LAMP BULB (DOOR GRIP)

CAUTION:

Disconnect the battery negative terminal or remove power circuit fuse when performing the operation for preventing electric leakage. Refer to INL-4, "Precautions for Removing Battery Terminal".

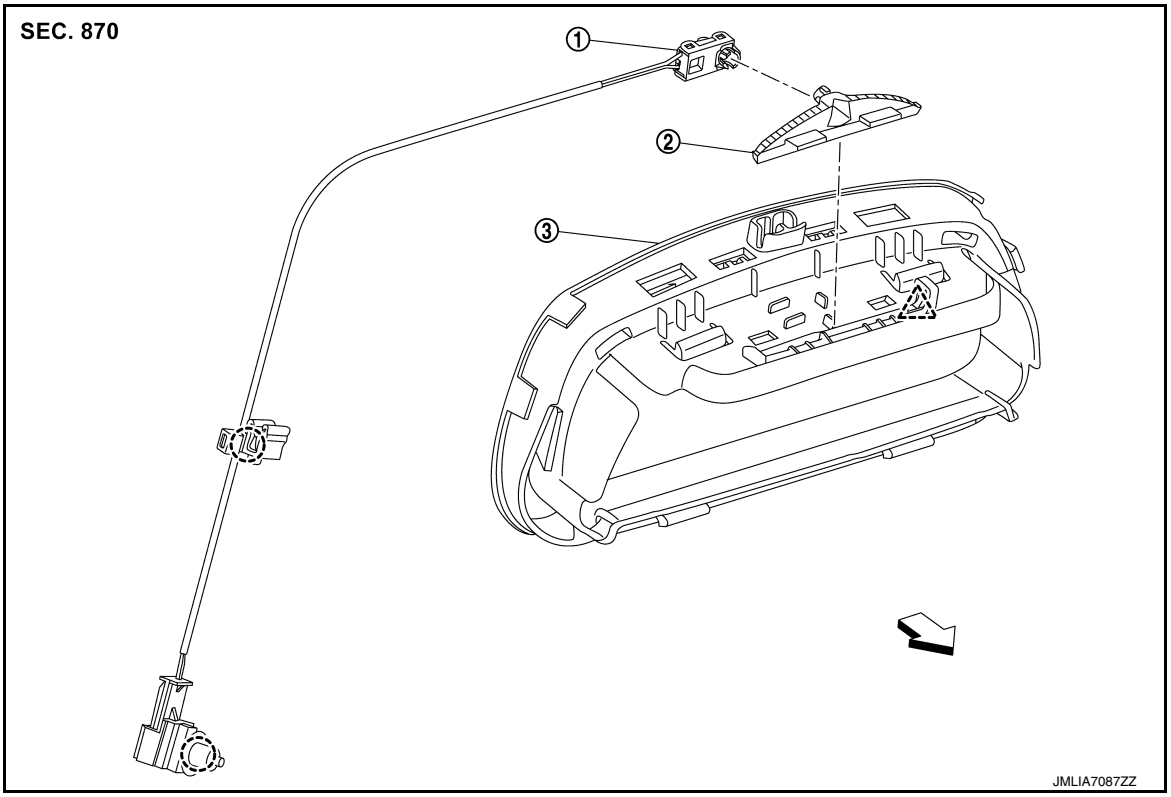
Replacement of a single part is not possible due to the adoption of LED. For replacement, replace door grip assembly as a set. Refer to INT-14, "Removal and Installation" (front door grip) or INT-19, "Removal and Installation" (rear door grip).

SEAT

SEAT : Exploded View

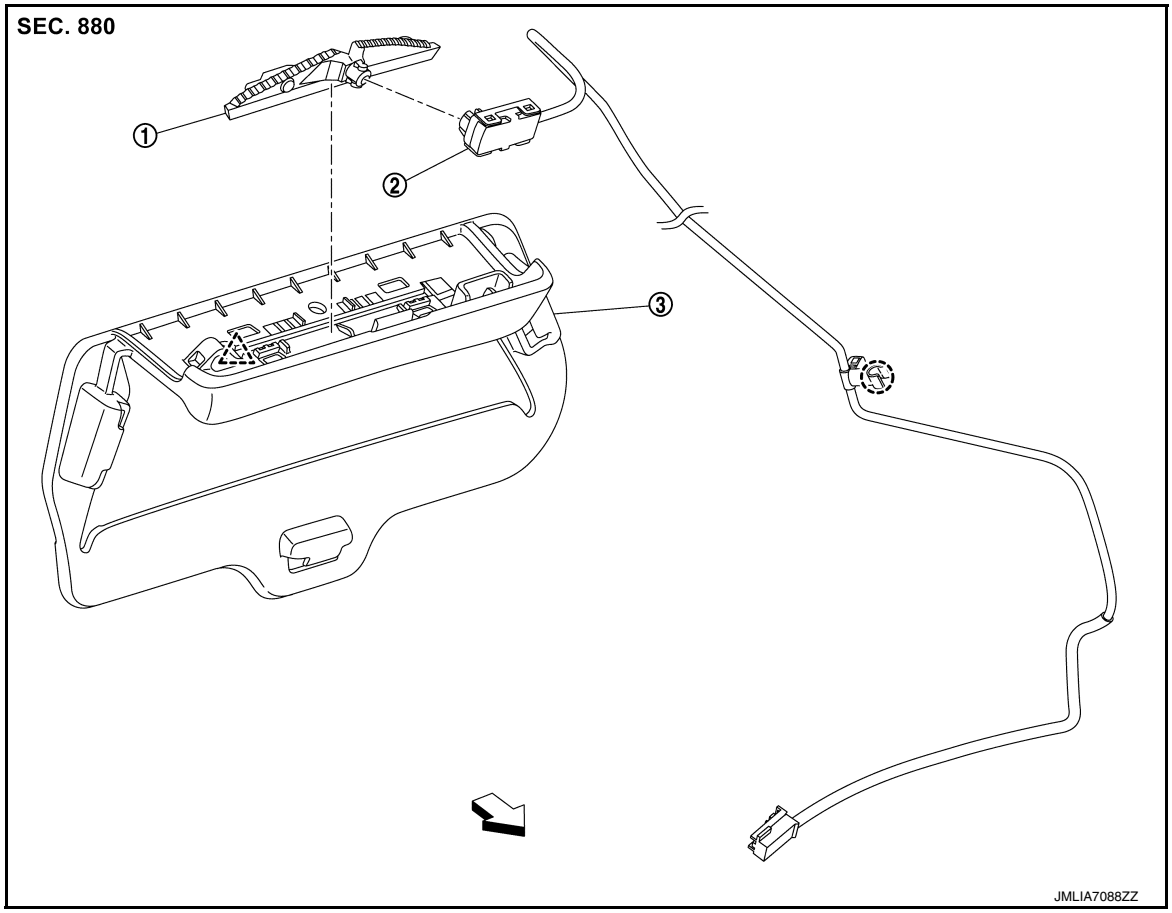
INFOID:0000000013551474

FRONT SEAT



① Ambient lamp
② Ambient lamp guide
③ Ambient lamp bracket
: Clip
: Pawl
: Vehicle front

REAR SEAT



① Ambient lamp guide ② Ambient lamp ③ Ambient lamp bracket

: Clip

: Pawl

: Vehicle front

SEAT : Removal and Installation

INFOID:0000000013551475

CAUTION:

Disconnect the battery negative terminal or remove power circuit fuse when performing the operation for preventing electric leakage. Refer to INL-4, "Precautions for Removing Battery Terminal".

REMOVAL

Front Seat

1. Remove ambient lamp bracket. Refer to SE-67, "SEATBACK : Disassembly and Assembly".
2. Disengage fixing pawl, and then remove ambient lamp guide and ambient lamp.

Rear Seat

1. Remove rear ambient lamp bracket. Refer to SE-82, "SEATBACK : Disassembly and Assembly".
2. Disengage fixing pawl, and then remove ambient lamp guide and ambient lamp.

INSTALLATION

Install in the reverse order of removal.

SEAT : Replacement

INFOID:0000000013551476

AMBIENT LAMP BULB (SEAT)

CAUTION:

Disconnect the battery negative terminal or remove power circuit fuse when performing the operation for preventing electric leakage. Refer to INL-4, "Precautions for Removing Battery Terminal".

Replacement of a single part is not possible due to the adoption of LED. For replacement, replace ambient lamp as a set. Refer to INL-140, "SEAT : Removal and Installation".

SERVICE DATA AND SPECIFICATIONS (SDS)

SERVICE DATA AND SPECIFICATIONS (SDS)

Bulb Specifications

INFOID:0000000013551477

Item	Type	Wattage (W)
Front map lamp	LED	—
Vanity mirror lamp	Wedge	5.0
Inside mirror lamp	LED	—
Ambient lamp (inside mirror)*1	LED	—
Rear map lamp*1	Wedge	5.0
Room lamp (with rear map lamp)	Wedge	10.0
Room lamp (without rear map lamp)	Wedge	6.0
Glove box lamp	LED	—
	Wedge	5.0
Step lamp*1	Wedge	5.0
Luggage room lamp	Wedge	5.0
Back door lamp	Wedge	5.0
Front foot lamp*1	LED	—
Rear foot lamp*1	LED	—
Ambient lamp (outside mirror)*1	LED	—
Ambient lamp (front inside handle)*1	LED	—
Ambient lamp (rear inside handle)*1	LED	—
Ambient lamp (front door grip)*1	LED	—
Ambient lamp (rear door grip)*1	LED	—
Ambient lamp (cup holder)*1	LED	—
Ambient lamp (instrument panel)*1	LED	—
Ambient lamp (front seat)*1	LED	—
Ambient lamp (rear seat)*1	LED	—
Push-button ignition switch illumination*2	LED	—

*1: If equipped

*2: With Intelligent Key system