SECTION INL
INTERIOR LIGHTING SYSTEM

CONTENTS

PRECAUTION 3

PRECAUTIONS 3
Precaution for Supplemental Restraint System (SRS) "AIR BAG" and "SEAT BELT PRE-TENSIONER" 3
Precaution for Work 3

PREPARATION 4

PREPARATION 4
Special Service Tool 4

SYSTEM DESCRIPTION 5

COMPONENT PARTS 5
Component Parts Location 5

SYSTEM 7

INTERIOR ROOM LAMP CONTROL SYSTEM 7
INTERIOR ROOM LAMP CONTROL SYSTEM : System Description 7

INTERIOR ROOM LAMP BATTERY SAVER SYSTEM 8
INTERIOR ROOM LAMP BATTERY SAVER SYSTEM : System Description 9

ILLUMINATION CONTROL SYSTEM 9
ILLUMINATION CONTROL SYSTEM : System Description 10

AUTO LIGHT ADJUSTMENT SYSTEM 10
AUTO LIGHT ADJUSTMENT SYSTEM : System Description 11

DIAGNOSIS SYSTEM (BCM) 12

COMMON ITEM 12
COMMON ITEM : CONSULT Function (BCM - COMMON ITEM) 12

INT LAMP 12
INT LAMP : CONSULT Function (BCM - INT LAMP) 12

BATTERY SAVER 13
BATTERY SAVER : CONSULT Function (BCM - BATTERY SAVER) 13

ECU DIAGNOSIS INFORMATION 15

BCM 15
List of ECU Reference 15

WIRING DIAGRAM 16

INTERIOR ROOM LAMP CONTROL SYSTEM 16
Wiring Diagram 16

ILLUMINATION 27
Wiring Diagram 27

BASIC INSPECTION 40

DIAGNOSIS AND REPAIR WORKFLOW 40
Work Flow 40

DTC/CIRCUIT DIAGNOSIS 43

INTERIOR ROOM LAMP POWER SUPPLY CIRCUIT 43
Description 43
Component Function Check 43
Diagnosis Procedure 43

INTERIOR ROOM LAMP CONTROL CIRCUIT 46
Description 46
Component Function Check 46
Diagnosis Procedure 46

LUGGAGE ROOM LAMP CIRCUIT 48
Description 48
Diagnosis Procedure 48

PUSH-BUTTON IGNITION SWITCH ILLUMINATION CIRCUIT 49
Description 49
Component Function Check 49
Diagnosis Procedure 49

SYMPTOM DIAGNOSIS 51

INTERIOR LIGHTING SYSTEM SYMPTOMS... 51
Symptom Table 51

REMOVAL AND INSTALLATION 52

MAP LAMP ASSEMBLY 52
Exploded View 52
Removal and Installation 52
Bulb Replacement 53

VANITY MIRROR LAMP 54
Exploded View 54
Removal and Installation 54
Bulb or Lens Replacement 54

GLOVE BOX LAMP 55
Removal and Installation 55
Bulb Replacement 55

ROOM LAMP 56
Removal and Installation 56
Bulb Replacement 56

PERSONAL LAMP 57
Removal and Installation 57
Bulb or Lens Replacement 57

LUGGAGE ROOM LAMP 58
Removal and Installation 58
Bulb Replacement 58

METER CONTROL SWITCH 59
Removal and Installation 59

SERVICE DATA AND SPECIFICATIONS (SDS) 60

SERVICE DATA AND SPECIFICATIONS (SDS) 60
Bulb Specifications 60

PRECAUTION

PRECAUTIONS

Precaution for Supplemental Restraint System (SRS) "AIR BAG" and "SEAT BELT PRE-TENSIONER"

INFOID:0000000014897198

The Supplemental Restraint System such as “AIR BAG” and “SEAT BELT PRE-TENSIONER”, used along with a front seat belt, helps to reduce the risk or severity of injury to the driver and front passenger for certain types of collision. Information necessary to service the system safely is included in the SR and SB section of this Service Manual.

WARNING:

- **To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision which would result in air bag inflation, it is recommended that all maintenance and repair be performed by an authorized NISSAN/INFINITI dealer.**
- **Improper repair, including incorrect removal and installation of the SRS, can lead to personal injury caused by unintentional activation of the system. For removal of Spiral Cable and Air Bag Module, see the SR section.**
- **Do not use electrical test equipment on any circuit related to the SRS unless instructed to in this Service Manual. SRS wiring harnesses can be identified by yellow and/or orange harnesses or harness connectors.**

PRECAUTIONS WHEN USING POWER TOOLS (AIR OR ELECTRIC) AND HAMMERS

WARNING:

- **When working near the Air Bag Diagnosis Sensor Unit or other Air Bag System sensors with the Ignition ON or engine running, DO NOT use air or electric power tools or strike near the sensor(s) with a hammer. Heavy vibration could activate the sensor(s) and deploy the air bag(s), possibly causing serious injury.**
- **When using air or electric power tools or hammers, always switch the Ignition OFF, disconnect the battery or batteries, and wait at least three minutes before performing any service.**

Precaution for Work

INFOID:0000000014623303

- When removing or disassembling each component, be careful not to damage or deform it. If a component may be subject to interference, be sure to protect it with a shop cloth.
- When removing (disengaging) components with a screwdriver or similar tool, be sure to wrap the component with a shop cloth or vinyl tape to protect it.
- Protect the removed parts with a shop cloth and prevent them from being dropped.
- Replace a deformed or damaged clip.
- If a part is specified as a non-reusable part, always replace it with a new one.
- Be sure to tighten bolts and nuts securely to the specified torque.
- After installation is complete, be sure to check that each part works properly.
- Follow the steps below to clean components:

- Water soluble dirt:

- Dip a soft cloth into lukewarm water, wring the water out of the cloth and wipe the dirty area.
- Then rub with a soft, dry cloth.

- Oily dirt:

- Dip a soft cloth into lukewarm water with mild detergent (concentration: within 2 to 3%) and wipe the dirty area.
- Then dip a cloth into fresh water, wring the water out of the cloth and wipe the detergent off.
- Then rub with a soft, dry cloth.

- Do not use organic solvent such as thinner, benzene, alcohol or gasoline.
- For genuine leather seats, use a genuine leather seat cleaner.

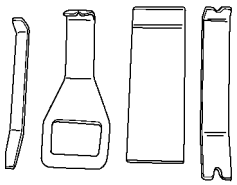
PREPARATION

PREPARATION

Special Service Tool

INFOID:0000000014623304

The actual shape of the tools may differ from those illustrated here.

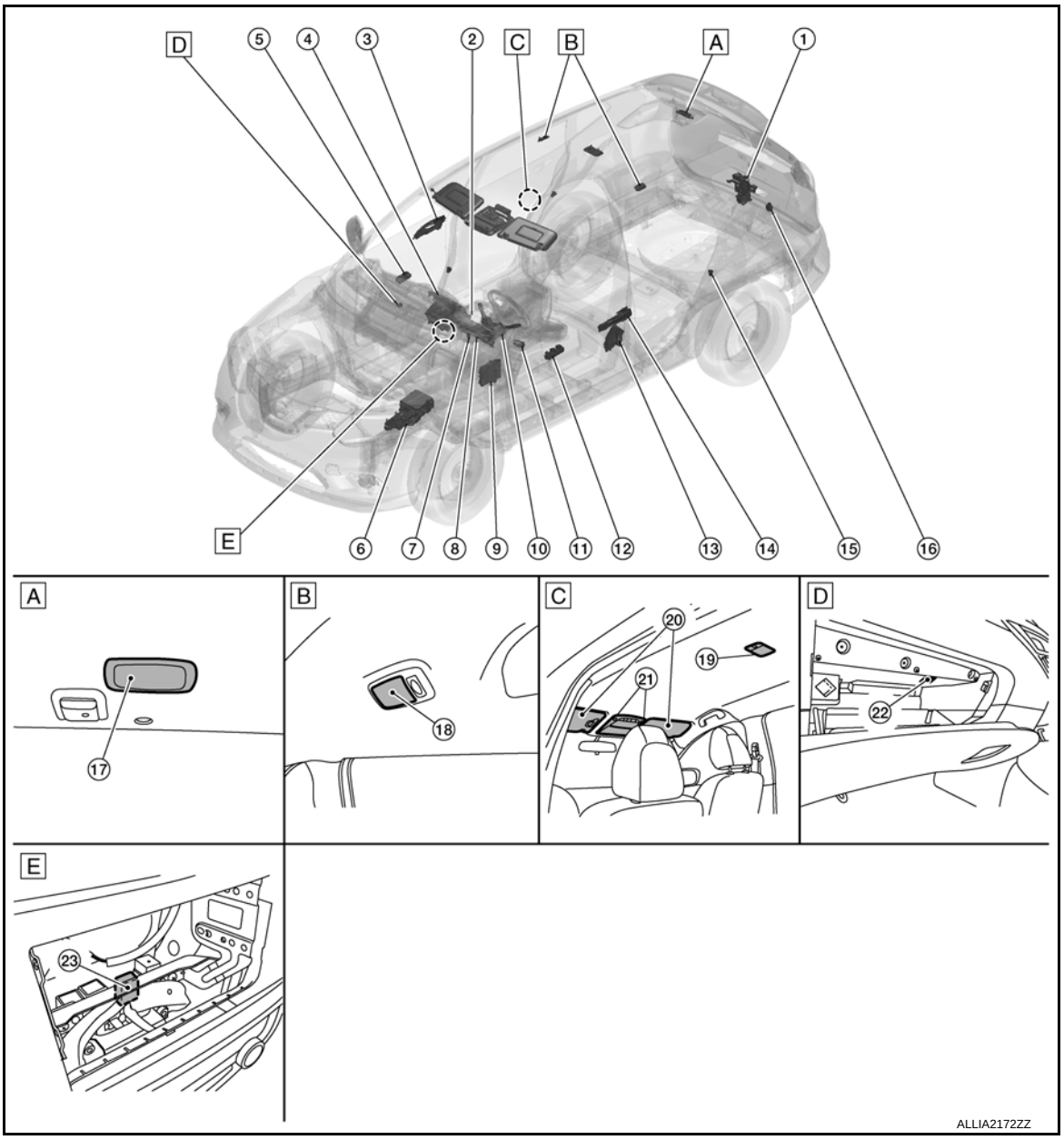
Tool number (TechMate No.) Tool name	Description
— (J-46534) Trim Tool Set  AWJIA0483ZZ	Removing trim components

SYSTEM DESCRIPTION

COMPONENT PARTS

Component Parts Location

INFOID:0000000014623305



A. Rear luggage headliner area
B. Rear passenger headliner area
C. Front passenger headliner area
D. Right side of instrument panel
E. Instrument panel (center) (view with audio unit (without navigation system) or AV control unit (with navigation system) removed)

No.	Part	Description
1.	Back door lock assembly (door ajar switch)	Refer to DLK-12, "POWER DOOR LOCK SYSTEM : Component Parts Location" for detailed installation location.
2.	Push-button ignition switch (push-button ignition switch illumination)	Refer to PCS-51, "Component Parts Location" for detailed installation location.

No.	Part	Description
3.	Front outside handle assembly RH (request switch)	Refer to DLK-13, "INTELLIGENT KEY SYSTEM : Component Parts Location" for detailed installation location.
4.	AV control unit	Controls the brightness of the display according to the request signal from the BCM. Refer to DLK-13, "INTELLIGENT KEY SYSTEM : Component Parts Location" for detailed installation location.
5.	Power window and door lock/unlock switch RH	Refer to PWC-6, "Component Parts Location" for detailed installation location.
6.	IPDM E/R	Controls the integrated smart FET and audio unit and AV control unit illumination supply voltage according to the request signal from BCM (via CAN communication). Refer to PCS-6, "Component Parts Location" for detailed installation location.
7.	Optical sensor	Refer to EXL-9, "Component Parts Location" for detailed installation location.
8.	Combination meter	Controls the illumination according to the request signal from the BCM (via CAN communication). Refer to EXL-9, "Component Parts Location" for detailed installation location.
9.	BCM	• Activates the interior room lamp timer depending on the vehicle condition to turn the interior room lamps ON/OFF. • Operates the interior room lamp battery saver depending on the vehicle condition to cut the interior room lamp power supply. • Detects each switch condition by the combination switch reading function. • Judges the illumination lamp ON/OFF status depending on the vehicle condition. And then it transmits position light request signal to IPDM E/R and combination meter (with CAN communication). • Controls the room lamp relay according to the request signal from BCM (via CAN communication). Refer to BCS-5, "BODY CONTROL SYSTEM : Component Parts Location" for detailed installation location.
10.	Combination switch (lighting and turn signal switch)	Refer to BCS-5, "BODY CONTROL SYSTEM : Component Parts Location" for detailed installation location.
11.	Meter control switch (illumination control switch)	Refer to MWI-5, "METER SYSTEM : Component Parts Location" for detailed installation location.
12.	Main power window and door lock/unlock switch	Refer to PWC-6, "Component Parts Location" for detailed installation location.
13.	Front door lock assembly (unlock sensor)	Refer to DLK-12, "POWER DOOR LOCK SYSTEM : Component Parts Location" for detailed installation location.
14.	Front outside handle assembly LH (request switch)	Refer to DLK-13, "INTELLIGENT KEY SYSTEM : Component Parts Location" for detailed installation location.
15.	Door switches	Refer to DLK-12, "POWER DOOR LOCK SYSTEM : Component Parts Location" for detailed installation location.
16.	Automatic back door close switch	Refer to DLK-15, "AUTOMATIC BACK DOOR SYSTEM : Component Parts Location" for detailed installation location.
17.	Luggage room lamp	Refer to INL-60, "Bulb Specifications".
18.	Personal lamps 2nd row	Refer to INL-60, "Bulb Specifications".
19.	Room lamp	Refer to INL-60, "Bulb Specifications".
20.	Vanity mirror lamps	Refer to INL-60, "Bulb Specifications".
21.	Map lamp assembly	Refer to INL-60, "Bulb Specifications".
22.	Glove box lamp	Refer to INL-60, "Bulb Specifications".
23.	Room lamp relay	The room lamp relay is controlled by the BCM and supplies power to each interior room lamp.

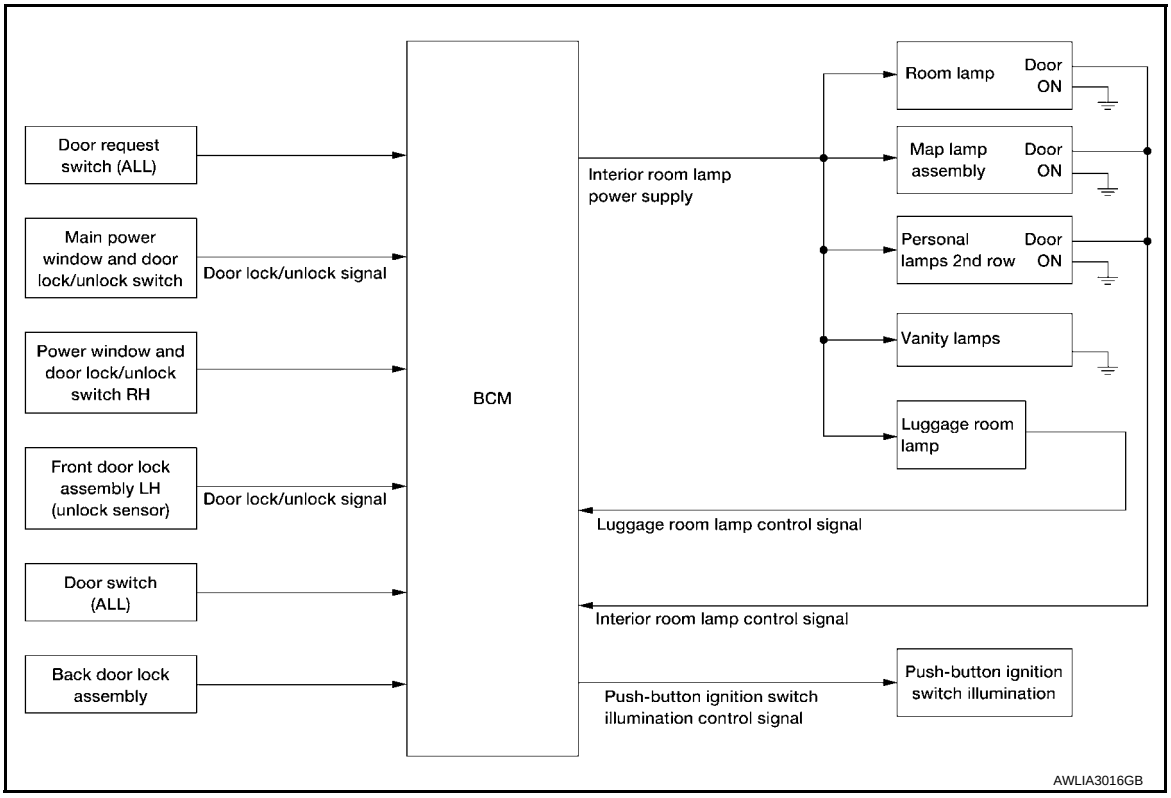
SYSTEM

INTERIOR ROOM LAMP CONTROL SYSTEM

INTERIOR ROOM LAMP CONTROL SYSTEM : System Description

INFOID:0000000014623306

SYSTEM DIAGRAM

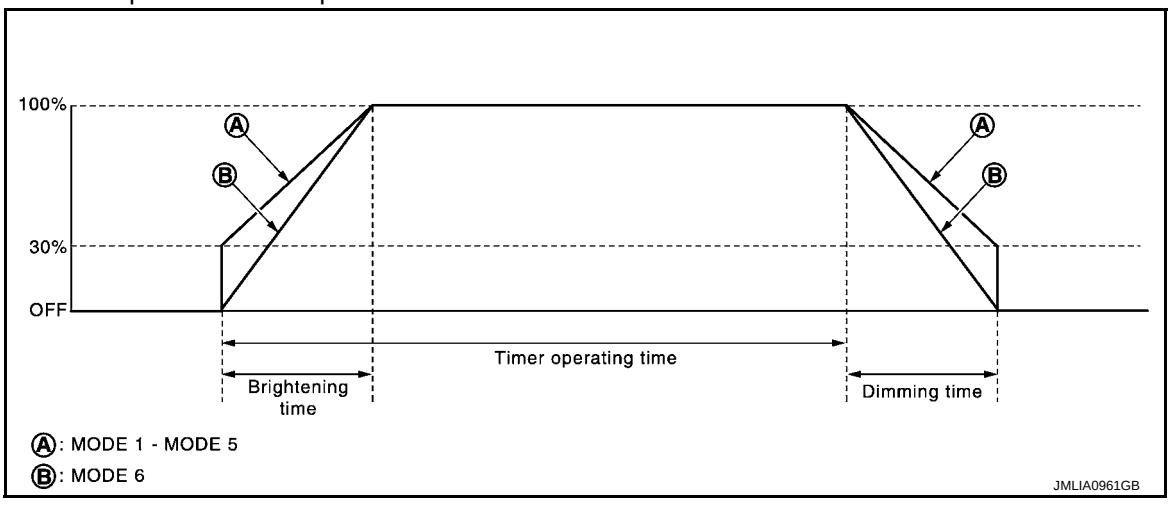


OUTLINE

- Interior room lamps* are controlled by interior room lamp timer control function of BCM.
  *: Map lamp assembly and room lamp (when map lamp switch and room lamp switch are in DOOR position).
- Luggage room lamp is controlled by luggage room lamp control function of BCM.
- Push-button ignition switch illumination is controlled by the push-button ignition switch illumination control function of BCM.

INTERIOR ROOM LAMP TIMER CONTROL

Interior Room Lamp Timer Basic Operation



NOTE:
A: Sets the interior room lamp gradual brightening and dimming time.

B: Gradually dims from 100% to 0% and gradually brightens 0% to 100% in 1 second.
- The interior room lamp turns ON and OFF (gradual brightening and dimming) by the interior room lamp timer.
- The BCM activates the interior room timer with the following vehicle conditions:
- Ignition switch status
- Door switch signal
- Door lock/unlock signal (Remote keyless entry receiver, each door request switch, door lock/unlock switch, door key cylinder switch)

NOTE:
Each function of interior room lamp timer can be set by CONSULT. Refer to BCS-18, "INT LAMP : CONSULT Function (BCM - INT LAMP)".

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 conditions to turn the interior room lamp ON for a period of time:
- Status of all doors changes from open to close
- Ignition switch is turned ON → OFF
- Door unlock signal is detected when all doors close

NOTE:
The timer restarts if new condition is input during the timer operating time.

Interior Room Lamp OFF Operation:
BCM stops the timer in any of the following conditions 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 except back door.

LUGGAGE ROOM LAMP CONTROL

BCM turns luggage room lamp ON when the following condition is detected:
- Back door switch is ON

BCM turns luggage room lamp OFF when the following condition is detected:
- Back door switch is OFF

PUSH-BUTTON IGNITION SWITCH ILLUMINATION CONTROL

Push-Button Ignition Switch Illumination Basic Operation:
BCM provides the power supply to turn the ignition switch illumination ON.

Push-Button Ignition Switch Illumination ON Operation
BCM turns the push-button ignition switch illumination ON in the following conditions:
- Ignition switch ON
- Any of the following conditions with ignition switch OFF:
- Driver side door is LOCK → UNLOCK
- Driver side door is open

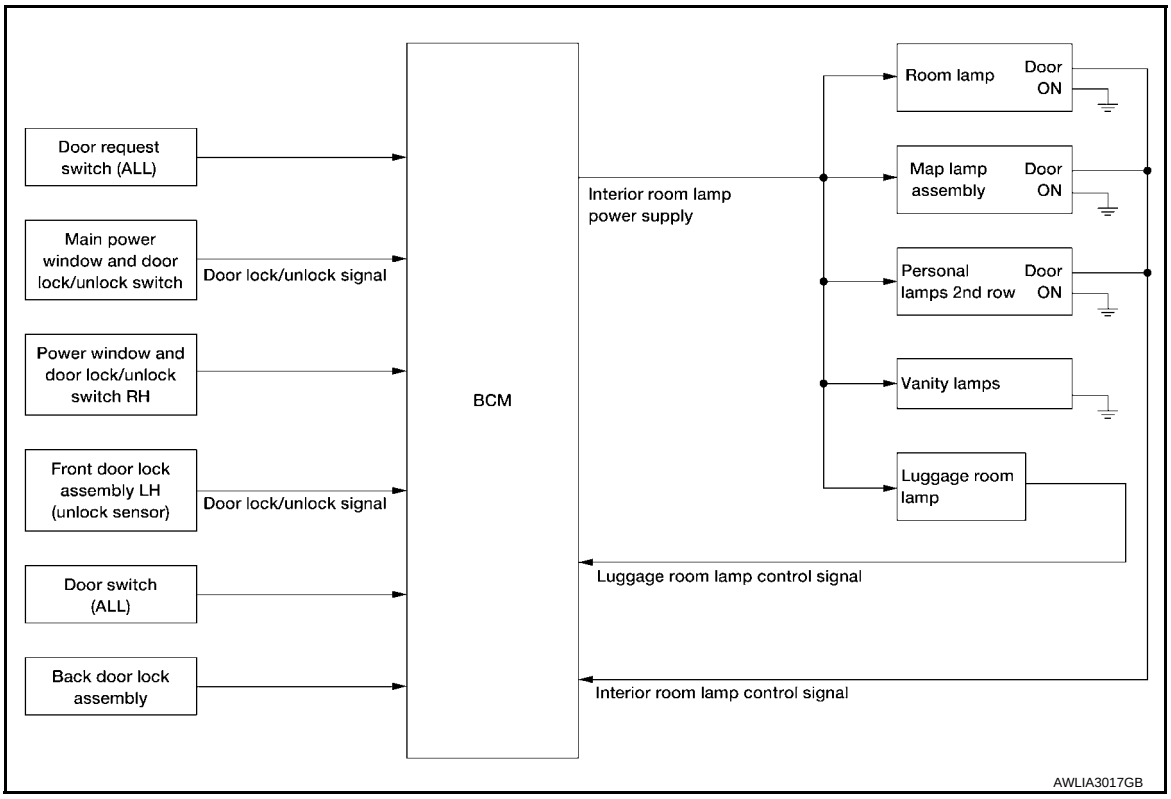
Push-Button Ignition Switch Illumination OFF Operation
BCM turns the push-button ignition switch illumination OFF in any of the following conditions:
- The push-button ignition switch illumination ON conditions are not satisfied.
- Any of the following conditions with the ignition switch OFF:
- The push-button ignition switch illumination ON conditions do not change (15 seconds after the ignition switch OFF)
- Driver side door is UNLOCK → LOCK

INTERIOR ROOM LAMP BATTERY SAVER SYSTEM

INTERIOR ROOM LAMP BATTERY SAVER SYSTEM : System Description

INFOID:0000000014623307

SYSTEM DIAGRAM



OUTLINE

- Interior room lamp battery saver is controlled by BCM.
- BCM turns applicable lamps OFF depending on the vehicle condition. This function prevents the 12V battery from over-discharging if the driver neglects turning OFF the lamps.

Applicable lamps:

- Map lamp assembly
- Room lamp
- Luggage room lamp
- Personal lamps 2nd row

INTERIOR ROOM LAMP BATTERY SAVER FUNCTION

- When the ignition switch is turned to other position than ON, BCM operates the timer for a period of time to cut the interior room lamp power supply.
- BCM restarts the timer when any of the following signals changes while operating the timer:
- Ignition switch status
- Door switch signal (ALL)
- Door lock/unlock signal (remote keyless entry receiver, each door request switch, door lock and unlock switch, door key cylinder switch)
- BCM provides the interior room lamp power supply continuously when the ignition switch position is ON.

NOTE:

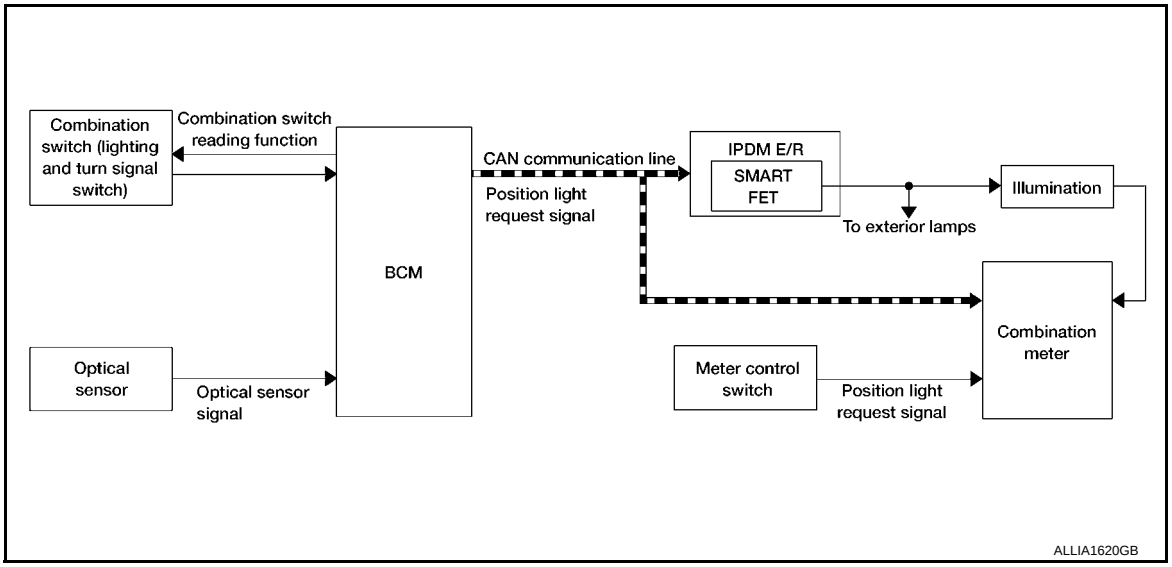
Each function of interior room lamp battery saver can be set by CONSULT. Refer to BCS-18, "INT LAMP : CONSULT Function (BCM - INT LAMP)".

ILLUMINATION CONTROL SYSTEM

ILLUMINATION CONTROL SYSTEM : System Description

INFOID:0000000014623308

SYSTEM DIAGRAM



OUTLINE

Each illumination lamp is controlled by each function of BCM and IPDM E/R.

Controlled by BCM:
- Combination switch reading function
- Headlamp control function

Controlled by IPDM E/R:
- Smart FET control function

Controlled by combination meter:
- Meter illumination control function

ILLUMINATION CONTROL

- BCM detects the combination switch condition by the combination switch reading function.
- BCM transmits position light request signal to IPDM E/R and combination meter according to tail lamp ON condition.

Tail lamp ON condition:
- Lighting switch 1ST
- Lighting switch 2ND
- Lighting switch AUTO, and the auto light function ON judgment
- Lighting switch AUTO, with the front fog lamp switch ON and the ignition switch ON

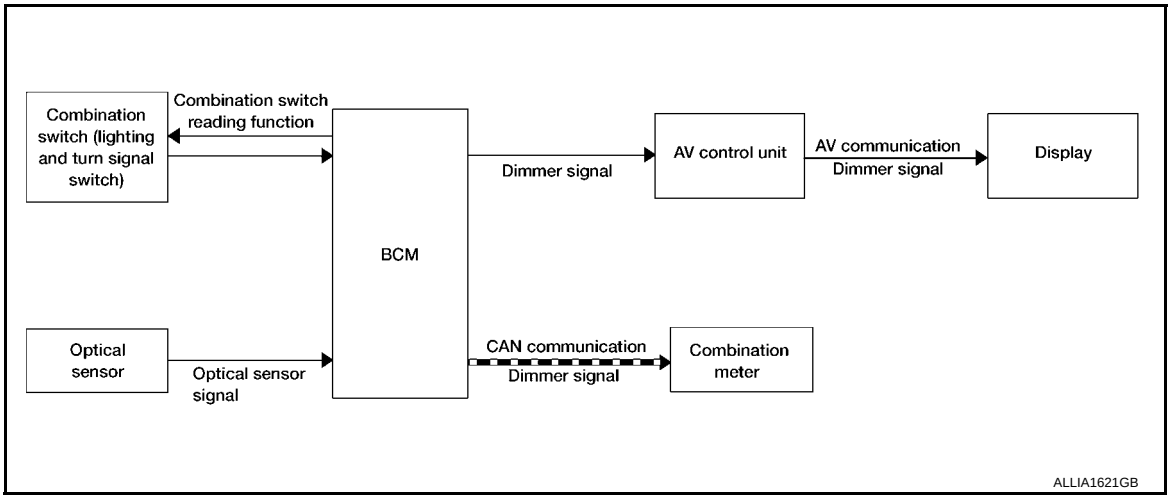
- IPDM E/R turns each illumination lamp ON according to position light request signal. It provides the power supply to each illumination lamp.
- Combination meter enters in the nighttime mode according to position light request signal. Under the night-time mode the combination meter controls the illuminance by controlling the each illumination lamp.

AUTO LIGHT ADJUSTMENT SYSTEM

AUTO LIGHT ADJUSTMENT SYSTEM : System Description

INFOID:0000000014623309

SYSTEM DIAGRAM



OUTLINE

Auto light adjustment system is controlled by each function of BCM, combination meter and AV control unit

Controlled by BCM:

- Auto light system
- Auto light adjustment system

AUTO LIGHT ADJUSTMENT SYSTEM

Description

- BCM supplies voltage to the optical sensor when the ignition switch is turned ON.
- Optical sensor converts outside brightness (lux) to voltage and transmits the optical sensor signal to BCM.
- BCM judges dimming/brightening of combination meter and display according to brightness outside the vehicle, when ignition switch is ON.
- BCM transmits dimmer signal to combination meter via CAN communication, according to auto light adjustment conditions. Dimmer signal is also transmitted to AV control unit.

NOTE:

As to dimming/brightening timing, the sensitivity depends on settings. The settings can be changed with CONSULT. Refer to BCS-19, "HEADLAMP : CONSULT Function (BCM - HEADLAMP)".

DIAGNOSIS SYSTEM (BCM)

COMMON ITEM

COMMON ITEM : CONSULT Function (BCM - COMMON ITEM)

INFOID:0000000015221568

APPLICATION ITEM

CONSULT performs the following functions via CAN communication with BCM.

Direct Diagnostic Mode	Description
Ecu Identification	The BCM part number is displayed.
Self Diagnostic Result	The BCM self diagnostic results are displayed.
Data Monitor	The BCM input/output data is displayed in real time.
Active Test	The BCM activates outputs to test components.
Work support	The settings for BCM functions can be changed.
Configuration	• The vehicle specification can be read and saved. • The vehicle specification can be written when replacing BCM.
CAN Diag Support Mntr	The result of transmit/receive diagnosis of CAN communication is displayed.

SYSTEM APPLICATION

BCM can perform the following functions.

System	Sub System	Direct Diagnostic Mode						
		Ecu Identification	Self Diagnostic Result	Data Monitor	Active Test	Work support	Configuration	CAN Diag Support Mntr
Door lock	DOOR LOCK		×	×	×	×		
Rear window defogger	REAR DEFOGGER			×	×	×		
Warning chime	BUZZER			×	×			
Interior room lamp timer	INT LAMP			×	×	×		
Exterior lamp	HEADLAMP			×	×	×		
Wiper and washer	WIPER			×	×	×		
Turn signal and hazard warning lamps	FLASHER			×	×			
Intelligent Key system	INTELLIGENT KEY		×	×	×	×		
Combination switch	COMB SW			×				
BCM	BCM	×	×			×	×	×
Immobilizer	IMMU		×	×	×			
Interior room lamp battery saver	BATTERY SAVER			×	×			
Back door open	TRUNK			×				
Vehicle security system	THEFT ALM			×	×	×		
RAP system	RETAINED PWR			×				
Signal buffer system	SIGNAL BUFFER			×	×			

INT LAMP

INT LAMP : CONSULT Function (BCM - INT LAMP)

INFOID:0000000015221569

DATA MONITOR

Monitor Item [Unit]	Description
REQ SW -DR [On/Off]	Indicates condition of door request switch LH.
REQ SW -AS [On/Off]	Indicates condition of door request switch RH.
PUSH -SW [On/Off]	Indicates condition of push-button ignition switch.
DOOR SW-DR [On/Off]	Indicates condition of front door switch LH.
DOOR SW-AS [On/Off]	Indicates condition of front door switch RH.
DOOR SW-RR [On/Off]	Indicates condition of rear door switch RH.
DOOR SW-RL [On/Off]	Indicates condition of rear door switch LH.
DOOR SW-BK [On/Off]	Indicates condition of back door switch.
CDL LOCK SW [On/Off]	Indicates condition of lock signal from door lock and unlock switch.
CDL UNLOCK SW [On/Off]	Indicates condition of unlock signal from door lock and unlock switch.
KEY CYL LK-SW [On/Off]	Indicates condition of lock signal from door key cylinder switch.
KEY CYL UN-SW [On/Off]	Indicates condition of unlock signal from door key cylinder switch.
RKE-LOCK [On/Off]	Indicates condition of lock signal from Intelligent Key.
RKE-UNLOCK [On/Off]	Indicates condition of unlock signal from Intelligent Key.

ACTIVE TEST

Test Item	Description
INT LAMP	This test is able to check interior room lamp operation [On/Off].

WORK SUPPORT

Support Item	Setting	Description
SET I/L D-UNLCK INTCON	On	Interior room lamp timer function ON.
	Off*	Interior room lamp timer function OFF.
FOG LAMP OVERRIDE	On	Fog lamp override function ON.
	Off*	Fog lamp override function OFF.

*: Initial setting

BATTERY SAVER

BATTERY SAVER : CONSULT Function (BCM - BATTERY SAVER)

INFOID:0000000015221570

DATA MONITOR

Monitor Item [Unit]	Description
REQ SW -DR [On/Off]	Indicates condition of door request switch LH.
REQ SW -AS [On/Off]	Indicates condition of door request switch RH.
PUSH SW [On/Off]	Indicates condition push-button ignition switch.
DOOR SW-DR [On/Off]	Indicates condition of front door switch LH.
DOOR SW-AS [On/Off]	Indicates condition of front door switch RH.
DOOR SW-RR [On/Off]	Indicates condition of rear door switch RH.
DOOR SW-RL [On/Off]	Indicates condition of rear door switch LH.
DOOR SW-BK [On/Off]	Indicates condition of back door switch.
CDL LOCK SW [On/Off]	Indicates condition of lock signal from door lock and unlock switch.
CDL UNLOCK SW [On/Off]	Indicates condition of unlock signal from door lock and unlock switch.
KEY CYL LK-SW [On/Off]	Indicates condition of lock signal from door key cylinder switch.
KEY CYL UN-SW [On/Off]	Indicates condition of unlock signal from door key cylinder switch.

< SYSTEM DESCRIPTION >

Monitor Item [Unit]	Description
RKE-LOCK [On/Off]	Indicates condition of lock signal from Intelligent Key.
RKE-UNLOCK [On/Off]	Indicates condition of unlock signal from Intelligent Key.

ACTIVE TEST

Test item	Description
BATTERY SAVER	This test is able to check battery saver operation [On/Off].

ECU DIAGNOSIS INFORMATION

BCM

List of ECU Reference

INFOID:0000000014623316

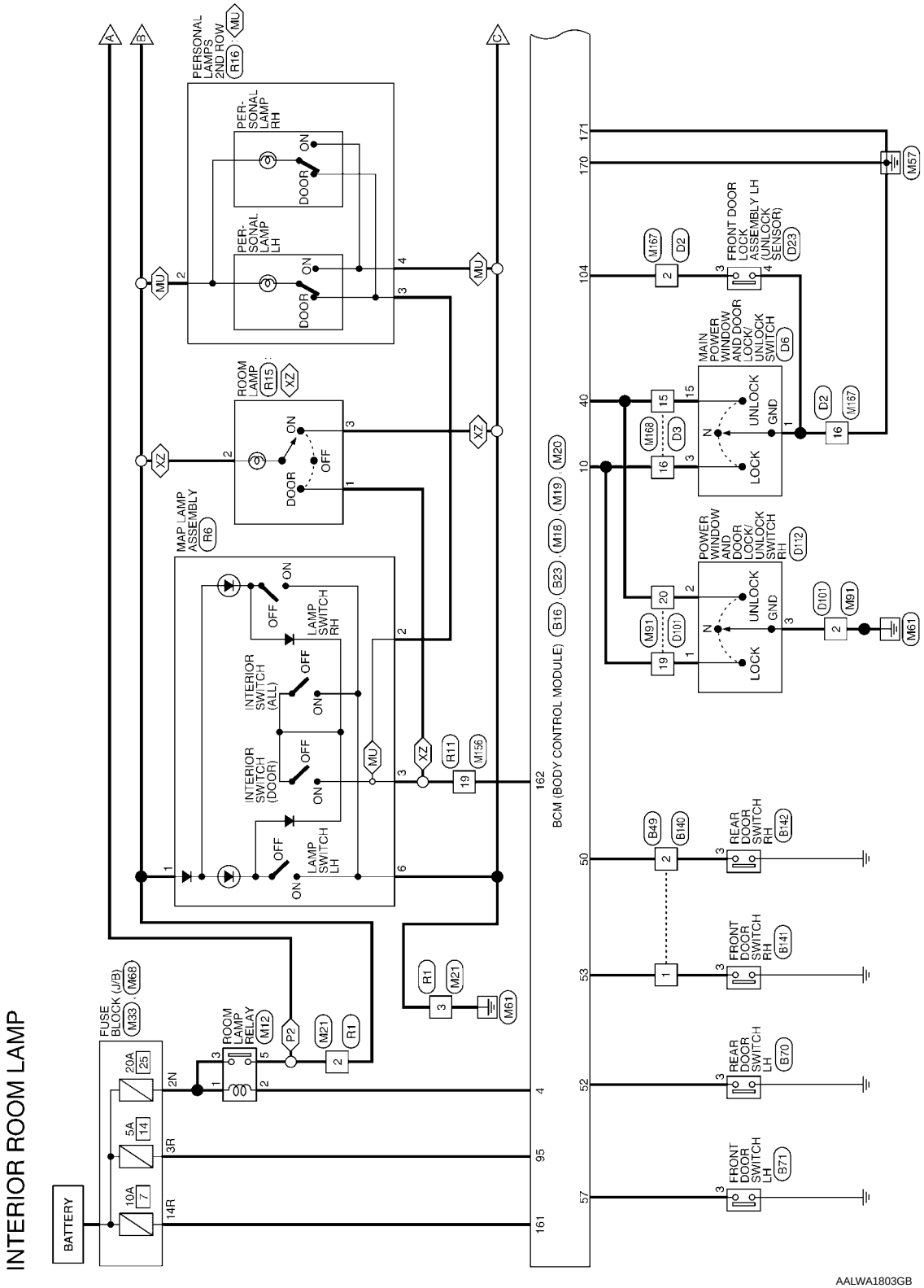
ECU	Reference
BCM	BCS-28, "Reference Value"
	BCS-46, "Fail-safe"
	BCS-47, "DTC Inspection Priority Chart"
	BCS-48, "DTC Index"

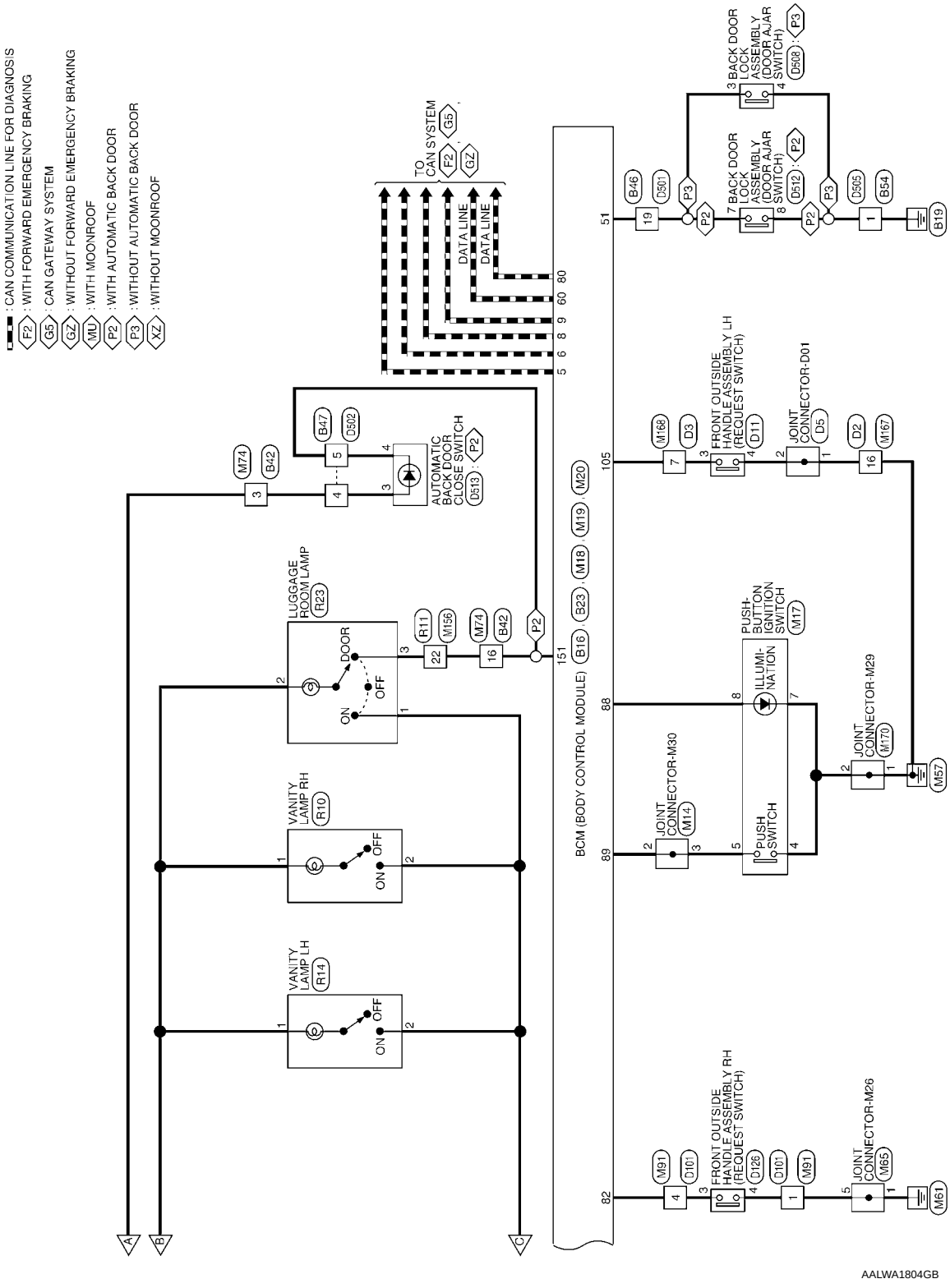
WIRING DIAGRAM

INTERIOR ROOM LAMP CONTROL SYSTEM

Wiring Diagram

INFOID:0000000014623317




: CAN COMMUNICATION LINE FOR DIAGNOSIS
F2 : WITH FORWARD EMERGENCY BRAKING
G5 : CAN GATEWAY SYSTEM
GZ : WITHOUT FORWARD EMERGENCY BRAKING
MU : WITH MOONROOF
P2 : WITH AUTOMATIC BACK DOOR
P3 : WITHOUT AUTOMATIC BACK DOOR
XZ : WITHOUT MOONROOF
TO CAN SYSTEM
F2, G5, GZ
DATA LINE
DATA LINE
BCM (BODY CONTROL MODULE)
3 BACK DOOR LOCK ASSEMBLY (DOOR AJAR SWITCH)
7 BACK DOOR LOCK ASSEMBLY (DOOR AJAR SWITCH)
AUTOMATIC BACK DOOR CLOSE SWITCH
FRONT OUTSIDE HANDLE ASSEMBLY LH (REQUEST SWITCH)
FRONT OUTSIDE HANDLE ASSEMBLY RH (REQUEST SWITCH)
JOINT CONNECTOR-D01
JOINT CONNECTOR-M29
JOINT CONNECTOR-M30
JOINT CONNECTOR-M26
LUGGAGE ROOM LAMP
VANITY LAMP RH
VANITY LAMP LH
PUSH-BUTTON IGNITION SWITCH
ILLUMI-NATION
PUSH SWITCH
DOOR
ON
OFF
AALWA1804GB

INTERIOR ROOM LAMP CONNECTORS

Connector No.	B16
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FG-NH
Connector Color	GREEN

H.S.

63	62	61	60	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41
80	79	78	77	76	75	74	73	72	71	70	69	68	67	66	65	64	63	62	61	60	59	58

Terminal No.	Color of Wire	Signal Name
41	–	–
42	–	–
43	–	–
44	–	–
45	–	–
46	R	I SES BACKDOOR BUTTON SW
47	–	–
48	–	–
49	G	I NO TOUCH TGATE SENSOR
50	W	I RR DOOR SW
51	LG	I TGATE SW
52	R	I RL DOOR SW
53	SB	I AS DOOR2 SW
54	–	–
55	LA/G	I RR AUTOSTOP SW
56	Y	I TGATE OPENER SW
57	SB	I DR DOOR2 SW
58	–	–
59	–	–
60	L	CAN-H
61	V	SES EXT REAR ANTENNA B
62	Y	SES INT MIDDLE ANTENNA B
63	L	SES INT MIDDLE ANTENNA A
64	LG	SES EXT REAR ANTENNA A
65	–	–
66	–	–
67	–	–
68	–	–
69	–	–
70	–	–
71	–	–
72	–	–
73	–	–
74	–	–
75	–	–
76	–	–
77	V	SHIFT LOCK RLY

Connector No.	B23
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	NS16FGY-CS
Connector Color	GRAY

H.S.

151	150	149	148		147	146	145
160	159	158	157	156	155	154	153	152

Terminal No.	Color of Wire	Signal Name
145	LA/V	O TGATE OPENER
146	–	–
147	LA/R	O RR WIPER
148	W	O RR UNLOCK B
149	L	O RR LOCK B
150	–	–
151	R	O PWM ROOMLAMP 5
152	–	–
153	LA/W	O STOP LAMP1
154	–	–
155	–	–
156	–	–
157	GR	O DI RR LEFT B
158	LA/Y	O STOP LAMP2 NISSAN EUR
159	–	–
160	P	O DI RR RIGHT B

Connector No.	B42
Connector Name	WIRE TO WIRE
Connector Type	NS16MW-CS
Connector Color	WHITE

H.S.

1	2	3		4	5	6	7
8	9	10	11	12	13	14	15	16

Terminal No.	Color of Wire	Signal Name
1	LG	TO MAIN HARNESS
2	LG	TO MAIN HARNESS

78	–	–
79	LA/W	O STOP LAMP3
80	P	CAN-L

3	V	TO MAIN HARNESS
4	LA/G	TO MAIN HARNESS
5	W	TO MAIN HARNESS
6	BG	TO MAIN HARNESS
7	LA/R	TO MAIN HARNESS
8	LA/GR	TO MAIN HARNESS (WITH AUTOMATIC DRIVE POSITIONER)
8	LA/G	TO MAIN HARNESS (WITHOUT AUTOMATIC DRIVE POSITIONER)
9	LA/P	TO MAIN HARNESS
10	LA/R	TO MAIN HARNESS
11	LA/V	TO MAIN HARNESS
12	LA/Y	TO MAIN HARNESS
13	LA/GR	TO MAIN HARNESS
14	LA/BG	TO MAIN HARNESS
15	LA/BR	TO MAIN HARNESS
16	R	TO MAIN HARNESS

Connector No.	B46
Connector Name	WIRE TO WIRE
Connector Type	TH32MW-NH
Connector Color	WHITE

H.S.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32

Terminal No.	Color of Wire	Signal Name
1	–	TO BACK DOOR HARNESS
2	–	TO BACK DOOR HARNESS
3	–	TO BACK DOOR HARNESS
4	–	TO BACK DOOR HARNESS
5	–	TO BACK DOOR HARNESS
6	–	TO BACK DOOR HARNESS
7	–	TO BACK DOOR HARNESS
8	–	TO BACK DOOR HARNESS
9	–	TO BACK DOOR HARNESS
10	–	TO BACK DOOR HARNESS
11	–	TO BACK DOOR HARNESS
12	–	TO BACK DOOR HARNESS
13	W	TO BACK DOOR HARNESS
14	V	TO BACK DOOR HARNESS
15	BR	TO BACK DOOR HARNESS
16	SB	TO BACK DOOR HARNESS
17	LA/W	TO BACK DOOR HARNESS
18	LA/BR	TO BACK DOOR HARNESS
19	LG	TO BACK DOOR HARNESS
20	G	TO BACK DOOR HARNESS
21	G	TO BACK DOOR HARNESS

22	LA/R	TO BACK DOOR HARNESS
23	LA/R	TO BACK DOOR HARNESS
24	R	TO BACK DOOR HARNESS
25	–	TO BACK DOOR HARNESS
26	–	TO BACK DOOR HARNESS
27	–	TO BACK DOOR HARNESS
28	–	TO BACK DOOR HARNESS
29	Y	TO BACK DOOR HARNESS
30	G	TO BACK DOOR HARNESS
31	GR	TO BACK DOOR HARNESS
32	LG	TO BACK DOOR HARNESS

Connector No.	B47
Connector Name	WIRE TO WIRE
Connector Type	NS16MW-CS
Connector Color	WHITE

H.S.

1	2	3		4	5	6	7
8	9	10	11	12	13	14	15	16

Terminal No.	Color of Wire	Signal Name
1	–	TO BACK DOOR HARNESS
2	–	TO BACK DOOR HARNESS
3	–	TO BACK DOOR HARNESS
4	V	TO BACK DOOR HARNESS
5	W	TO BACK DOOR HARNESS
6	–	TO BACK DOOR HARNESS
7	–	TO BACK DOOR HARNESS
8	LA/G	TO BACK DOOR HARNESS
9	LA/R	TO BACK DOOR HARNESS
10	LG/Y	TO BACK DOOR HARNESS
11	B	TO BACK DOOR HARNESS
12	L	TO BACK DOOR HARNESS
13	SB	TO BACK DOOR HARNESS
14	–	TO BACK DOOR HARNESS
15	G	TO BACK DOOR HARNESS
16	W	TO BACK DOOR HARNESS

AALIA6118GB

INTERIOR ROOM LAMP CONNECTORS

Connector No.	B49
Connector Name	WIRE TO WIRE
Connector Type	NS16MW-CS
Connector Color	WHITE

H.S.

1	2	3		4	5	6	7
8	9	10	11	12	13	14	15	16

Terminal No.	Color of Wire	Signal Name
1	SB	TO BODY NO. 2 HARNESS
2	W	TO BODY NO. 2 HARNESS
3	LA/W	TO BODY NO. 2 HARNESS
4	V	TO BODY NO. 2 HARNESS
5	SB	TO BODY NO. 2 HARNESS
6	LA/BR	TO BODY NO. 2 HARNESS
7	P	TO BODY NO. 2 HARNESS
8	LA/W	TO BODY NO. 2 HARNESS
9	LA/BR	TO BODY NO. 2 HARNESS
10	R	TO BODY NO. 2 HARNESS
11	LA/G	TO BODY NO. 2 HARNESS
12	LA/P	TO BODY NO. 2 HARNESS
13	–	TO BODY NO. 2 HARNESS
14	–	TO BODY NO. 2 HARNESS
15	G	TO BODY NO. 2 HARNESS
16	V	TO BODY NO. 2 HARNESS

Connector No.	B54
Connector Name	WIRE TO WIRE
Connector Type	M02MW-LC
Connector Color	WHITE

H.S.

1
2

Terminal No.	Color of Wire	Signal Name
1	B	TO BACK DOOR HARNESS
2	–	TO BACK DOOR HARNESS

Connector No.	B70
Connector Name	REAR DOOR SWITCH LH
Connector Type	TH04FW-NH
Connector Color	WHITE

H.S.

1	2	3	4

Terminal No.	Color of Wire	Signal Name
1	–	–
2	–	–
3	R	I RL DOOR SW
4	–	–

Connector No.	B71
Connector Name	FRONT DOOR SWITCH LH
Connector Type	TH04FW-NH
Connector Color	WHITE

H.S.

1	2	3	4

Terminal No.	Color of Wire	Signal Name
1	–	–
2	–	–
3	SB	I DR DOOR2 SW
4	–	–

Connector No.	B140
Connector Name	WIRE TO WIRE
Connector Type	NS16FW-CS
Connector Color	WHITE

H.S.

7	6	5	4		3	2	1
16	15	14	13	12	11	10	9	8

Terminal No.	Color of Wire	Signal Name
1	GR	TO BODY HARNESS
2	W	TO BODY HARNESS
3	LA/Y	TO BODY HARNESS
4	V	TO BODY HARNESS
5	SB	TO BODY HARNESS
6	LA/BR	TO BODY HARNESS
7	LA/V	TO BODY HARNESS
8	L	TO BODY HARNESS
9	Y	TO BODY HARNESS
10	R	TO BODY HARNESS
11	V	TO BODY HARNESS
12	LG	TO BODY HARNESS
13	L	TO BODY HARNESS
14	Y	TO BODY HARNESS
15	LA/GR	TO BODY HARNESS
16	LA/LG	TO BODY HARNESS

Connector No.	B141
Connector Name	FRONT DOOR SWITCH RH
Connector Type	TH04FW-NH
Connector Color	WHITE

H.S.

1	2	3	4

Terminal No.	Color of Wire	Signal Name
1	–	–
2	–	–
3	GR	I AS DOOR2 SW
4	–	–

Connector No.	B142
Connector Name	REAR DOOR SWITCH RH
Connector Type	TH04FW-NH
Connector Color	WHITE

H.S.

1	2	3	4

Terminal No.	Color of Wire	Signal Name
1	–	–
2	–	–
3	W	I RR DOOR SW
4	–	–

Connector No.	D2
Connector Name	WIRE TO WIRE
Connector Type	NS16FW-CS
Connector Color	WHITE

H.S.

7	6	5	4		3	2	1
16	15	14	13	12	11	10	9	8

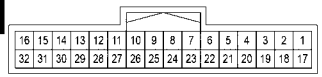
Terminal No.	Color of Wire	Signal Name
1	V	TO MAIN HARNESS
2	R	TO MAIN HARNESS
3	G	TO MAIN HARNESS
4	BR	TO MAIN HARNESS
5	P	TO MAIN HARNESS
6	LA/L	TO MAIN HARNESS
7	LA/BR	TO MAIN HARNESS
8	SB	TO MAIN HARNESS
9	GR	TO MAIN HARNESS
10	L	TO MAIN HARNESS
11	P	TO MAIN HARNESS
12	LG	TO MAIN HARNESS
13	Y	TO MAIN HARNESS
14	V	TO MAIN HARNESS
15	R	TO MAIN HARNESS
16	B	TO MAIN HARNESS

AALIA6119GB

INTERIOR ROOM LAMP CONNECTORS

Connector No.	D3
Connector Name	WIRE TO WIRE
Connector Type	TH32FW-NH
Connector Color	WHITE

H.S.

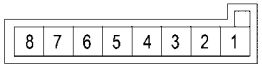


Terminal No.	Color of Wire	Signal Name
1	Y	TO MAIN HARNESS
2	GR	TO MAIN HARNESS
3	W	TO MAIN HARNESS - (WITHOUT AUTOMATIC DRIVE POSITIONER)
3	LA/SB	TO MAIN HARNESS - (WITH AUTOMATIC DRIVE POSITIONER)
4	V	TO MAIN HARNESS - (WITHOUT AUTOMATIC DRIVE POSITIONER)
4	LA/BG	TO MAIN HARNESS - (WITH AUTOMATIC DRIVE POSITIONER)
5	SB	TO MAIN HARNESS - (WITHOUT AUTOMATIC DRIVE POSITIONER)
5	LA/Y	TO MAIN HARNESS - (WITH AUTOMATIC DRIVE POSITIONER)
6	LG	TO MAIN HARNESS - (WITHOUT AUTOMATIC DRIVE POSITIONER)
6	LA/V	TO MAIN HARNESS - (WITH AUTOMATIC DRIVE POSITIONER)
7	W	TO MAIN HARNESS
8	V	TO MAIN HARNESS
9	SB	TO MAIN HARNESS
10	LG	TO MAIN HARNESS
11	GR	TO MAIN HARNESS
12	G	TO MAIN HARNESS
13	Y	TO MAIN HARNESS
14	B	TO MAIN HARNESS
15	BG	TO MAIN HARNESS
16	L	TO MAIN HARNESS
17	LA/W	TO MAIN HARNESS - (WITHOUT AUTOMATIC DRIVE POSITIONER)
17	LA/SB	TO MAIN HARNESS - (WITH AUTOMATIC DRIVE POSITIONER)
18	LA/W	TO MAIN HARNESS - (WITH AUTOMATIC DRIVE POSITIONER)
18	LA/Y	TO MAIN HARNESS - (WITHOUT AUTOMATIC DRIVE POSITIONER)
19	LA/BR	TO MAIN HARNESS - (WITH AUTOMATIC DRIVE POSITIONER)
19	LA/LG	TO MAIN HARNESS - (WITHOUT AUTOMATIC DRIVE POSITIONER)
20	LA/GR	TO MAIN HARNESS - (WITH AUTOMATIC DRIVE POSITIONER)
20	LA/V	TO MAIN HARNESS - (WITHOUT AUTOMATIC DRIVE POSITIONER)
21	BR	TO MAIN HARNESS
22	W	TO MAIN HARNESS
23	LA/R	TO MAIN HARNESS
24	GR	TO MAIN HARNESS
25	R	TO MAIN HARNESS
26	LA/G	TO MAIN HARNESS
27	LA/LG	TO MAIN HARNESS
28	LA/L	TO MAIN HARNESS
29	LA/Y	TO MAIN HARNESS
30	LA/V	TO MAIN HARNESS
31	LA/BR	TO MAIN HARNESS
32	P	TO MAIN HARNESS

AALIA6120GB

Connector No.	D5
Connector Name	JOINT CONNECTOR-D01
Connector Type	SAC08JW
Connector Color	WHITE

H.S.



Terminal No.	Color of Wire	Signal Name
1	B	GROUND
2	B	GROUND
3	B	GROUND
4	B	GROUND
5	LA/B	GROUND
6	B	GROUND (WITHOUT AUTOMATIC DRIVE POSITIONER)
6	LA/B	GROUND (WITH AUTOMATIC DRIVE POSITIONER)
7	B	GROUND
8	LA/B	GROUND

Connector No.	D6
Connector Name	MAIN POWER WINDOW AND DOOR LOCK/UNLOCK SWITCH
Connector Type	NS16FW-CS
Connector Color	WHITE

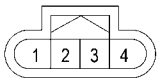
H.S.



Terminal No.	Color of Wire	Signal Name
1	B	GND
2	GR	MOTOR DN AS UNLOCK SW
3	L	LOCK SW
4	R	ENCODER SIG-2
5	W	ENCODER SIG-1
6	P	MOTOR DN RR
7	LG	MOTOR UP RR
8	Y	MOTOR DN RL
9	V	MOTOR UP RL
10	SB	IGN
11	–	–
12	Y	ENCODER GND
13	–	–
14	G	ENCODER +
15	BG	UNLOCK SW
16	L	MOTOR UP AS

Connector No.	D11
Connector Name	FRONT OUTSIDE HANDLE ASSEMBLY LH
Connector Type	RH04FB
Connector Color	BLACK

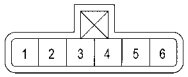
H.S.



Terminal No.	Color of Wire	Signal Name
1	V	SES EXT DR ANTENNA A
2	SB	SES EXT DR ANTENNA B
3	W	I SES DR HANDLE BUTTON SW
4	B	GROUND

Connector No.	D23
Connector Name	FRONT DOOR LOCK ASSEMBLY LH
Connector Type	E06FGY-RS
Connector Color	GRAY

H.S.



Terminal No.	Color of Wire	Signal Name
1	V	O DR OR FR LOCK D
2	G	O FR OR DR UNLOCK D
3	R	I DR KNOB SW
4	B	GROUND
5	P	I KEY CYLINDER UNLOCK SW
6	BR	I KEY CYLINDER LOCK SW

INTERIOR ROOM LAMP CONNECTORS

Connector No.	D101
Connector Name	WIRE TO WIRE
Connector Type	TH24FW-NH
Connector Color	WHITE

H.S.

12	11	10	9	8	7	6	5	4	3	2	1	13
24	23	22	21	20	19	18	17	16	15	14		

Terminal No.	Color of Wire	Signal Name
1	B	TO MAIN HARNESS
2	B	TO MAIN HARNESS
3	B	TO MAIN HARNESS
4	P	TO MAIN HARNESS
5	R	TO MAIN HARNESS
6	SB	TO MAIN HARNESS
7	L	TO MAIN HARNESS
8	V	TO MAIN HARNESS
9	Y	TO MAIN HARNESS
10	B	TO MAIN HARNESS
11	G	TO MAIN HARNESS
12	LA/V	TO MAIN HARNESS
13	LA/Y	TO MAIN HARNESS
14	LA/R	TO MAIN HARNESS
15	LA/V	TO MAIN HARNESS
16	LA/L	TO MAIN HARNESS
17	LA/BG	TO MAIN HARNESS
18	GR	TO MAIN HARNESS
19	LG	TO MAIN HARNESS
20	BR	TO MAIN HARNESS
21	LA/G	TO MAIN HARNESS
22	LA/SB	TO MAIN HARNESS
23	LA/BG	TO MAIN HARNESS
24	LA/Y	TO MAIN HARNESS

Connector No.	D112
Connector Name	POWER WINDOW AND DOOR LOCK/UNLOCK SWITCH RH
Connector Type	NS12FW-CS
Connector Color	WHITE

H.S.

1	2	3	4	5
6	7	8	9	10	11	12
---	---	---	---	---	---	---

Terminal No.	Color of Wire	Signal Name
1	LG	LOCK SW
2	BR	UNLOCK SW
3	B	GROUND
4	–	–
5	–	–
6	LA/L	ASST DN
7	LA/R	ASST UP
8	GR	IGNITION
9	–	–
10	–	–
11	Y	MAIN DN
12	BR	MAIN UP

Connector No.	D126
Connector Name	FRONT OUTSIDE HANDLE ASSEMBLY RH
Connector Type	RH04FB
Connector Color	BLACK

H.S.

1	2	3	4

Terminal No.	Color of Wire	Signal Name
1	R	SES EXT AS ANTENNA A
2	SB	SES EXT AS ANTENNA B
3	P	I SES FR HANDLE BUTTON SW
4	B	GROUND

Connector No.	D501
Connector Name	WIRE TO WIRE
Connector Type	TH32FW-NH
Connector Color	WHITE

H.S.

16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	17
32	31	30	29	28	27	26	25	24	23	22	21	20	19	18		

Terminal No.	Color of Wire	Signal Name
1	–	TO BODY HARNESS
2	–	TO BODY HARNESS
3	–	TO BODY HARNESS
4	–	TO BODY HARNESS
5	R	TO BODY HARNESS
6	B	TO BODY HARNESS
7	W	TO BODY HARNESS
8	V	TO BODY HARNESS
9	–	TO BODY HARNESS
10	–	TO BODY HARNESS
11	–	TO BODY HARNESS
12	–	TO BODY HARNESS
13	G	TO BODY HARNESS
14	LA/GR	TO BODY HARNESS
15	LA/W	TO BODY HARNESS
16	LA/LG	TO BODY HARNESS
17	Y	TO BODY HARNESS
18	LA/R	TO BODY HARNESS
19	W	TO BODY HARNESS
20	–	TO BODY HARNESS
21	G	TO BODY HARNESS
22	LA/Y	TO BODY HARNESS
23	P	TO BODY HARNESS
24	BR	TO BODY HARNESS
25	–	TO BODY HARNESS
26	–	TO BODY HARNESS
27	–	TO BODY HARNESS
28	–	TO BODY HARNESS
29	V	TO BODY HARNESS
30	G	TO BODY HARNESS
31	BG	TO BODY HARNESS
32	LG	TO BODY HARNESS

Connector No.	D502
Connector Name	WIRE TO WIRE
Connector Type	NS16FW-CS
Connector Color	WHITE

H.S.

7	6	5	4	3	2	1
16	15	14	13	12	11	10	9	8
---	---	---	---	---	---	---	---	---

Terminal No.	Color of Wire	Signal Name
1	–	TO BODY HARNESS
2	–	TO BODY HARNESS
3	–	TO BODY HARNESS
4	R	TO BODY HARNESS
5	W	TO BODY HARNESS
6	–	TO BODY HARNESS
7	–	TO BODY HARNESS
8	G	TO BODY HARNESS
9	GR	TO BODY HARNESS
10	LA/V	TO BODY HARNESS
11	B	TO BODY HARNESS
12	LA/L	TO BODY HARNESS
13	LA/G	TO BODY HARNESS
14	–	TO BODY HARNESS
15	–	TO BODY HARNESS
16	–	TO BODY HARNESS

Connector No.	D505
Connector Name	WIRE TO WIRE
Connector Type	M02FW-LC
Connector Color	WHITE

H.S.

1
2

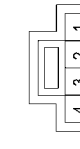
Terminal No.	Color of Wire	Signal Name
1	B	TO BODY HARNESS
2	–	TO BODY HARNESS

AALIA6121GB

INTERIOR ROOM LAMP CONNECTORS

Connector No.	D508
Connector Name	BACK DOOR LOCK ASSEMBLY (WITHOUT AUTOMATIC BACK DOOR SYSTEM)
Connector Type	NS04FW-CS
Connector Color	WHITE

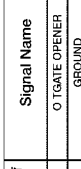
H.S.



Terminal No.	Color of Wire	Signal Name
1	LA/V	O TGATE OPENER
2	GR	GROUND
3	W	I TGATE SW
4	GR	GROUND

Connector No.	D512
Connector Name	BACK DOOR LOCK ASSEMBLY (WITH AUTOMATIC BACK DOOR SYSTEM)
Connector Type	NS08FW-CS
Connector Color	WHITE

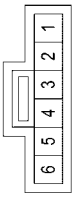
H.S.



Terminal No.	Color of Wire	Signal Name
1	LA/L	LATCH MTR OPEN
2	LA/G	LATCH MTR CLOSE
3	–	–
4	LA/GR	OPEN SW
5	LA/W	CLOSE SW
6	LA/LG	HALF LATCH SW
7	W	I TGATE SW
8	B	GROUND

Connector No.	D513
Connector Name	AUTOMATIC BACK DOOR CLOSE SWITCH
Connector Type	TK06FGY
Connector Color	GRAY

H.S.



Terminal No.	Color of Wire	Signal Name
1	G	INSIDE CLOSE SW
2	B	GROUND
3	R	BATTERY
4	W	O PWM ROOM LAMP 5
5	–	–
6	–	–

Connector No.	M12
Connector Name	ROOM LAMP RELAY
Connector Type	MS02FL-M2-LC
Connector Color	BLUE

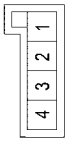
H.S.



Terminal No.	Color of Wire	Signal Name
1	W	BATTERY
2	P	RELAY CONTROL
3	LG	BATTERY
5	V	ROOM LAMP RELAY OUTPUT

Connector No.	M14
Connector Name	JOINT CONNECTOR- M30
Connector Type	SAC04JW
Connector Color	WHITE

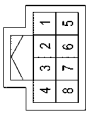
H.S.



Terminal No.	Color of Wire	Signal Name
1	Y	I IGN SW
2	Y	I START WO ESCL SW
3	Y	I START WO ESCL SW
4	Y	LI PUSH SW

Connector No.	M17
Connector Name	PUSH-BUTTON IGNITION SWITCH
Connector Type	TH08FW-NH
Connector Color	WHITE

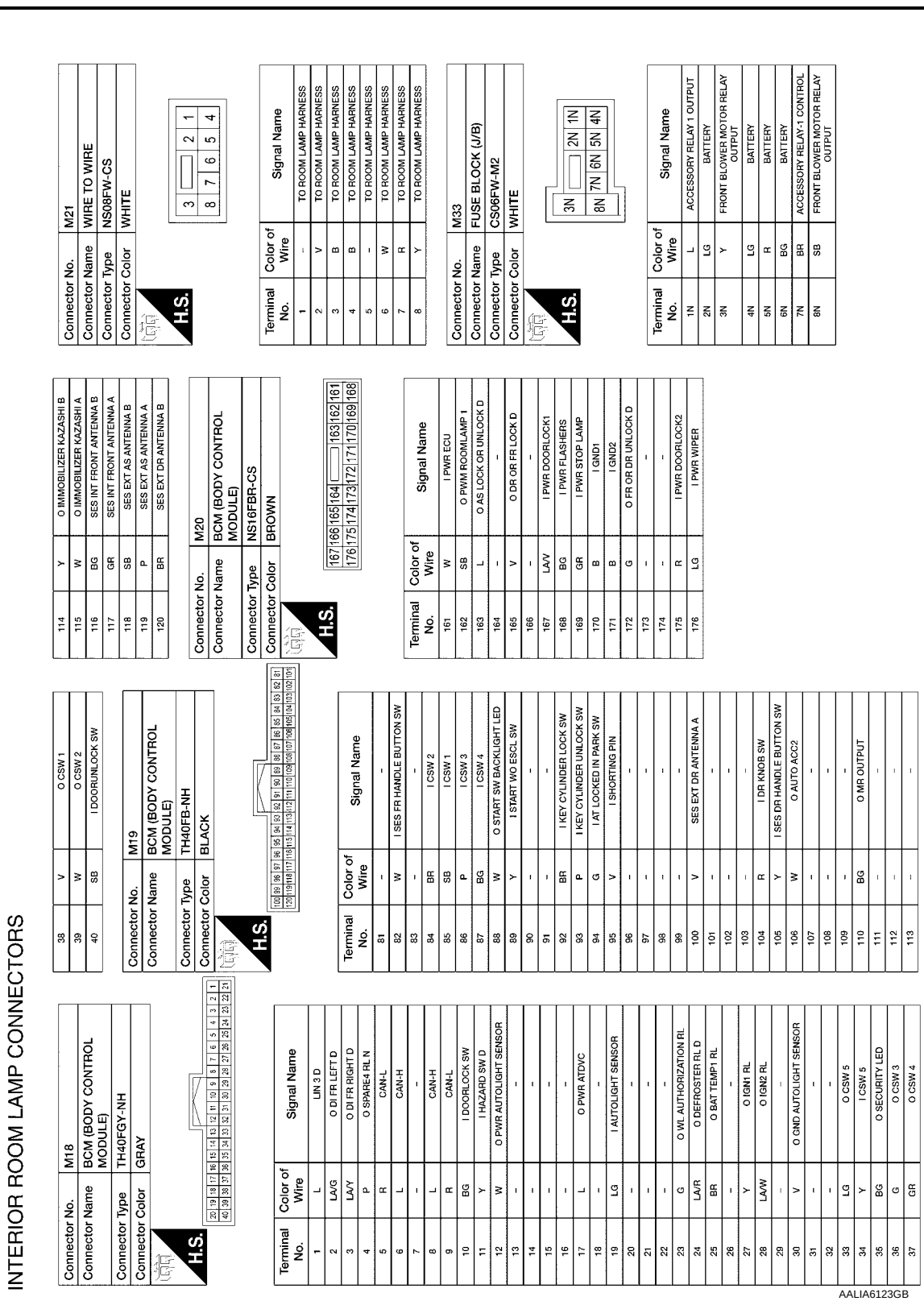
H.S.



Terminal No.	Color of Wire	Signal Name
1	–	–
2	–	–
3	–	–
4	B	GROUND
5	Y	I START WO ESCL SW
6	–	–
7	B	GROUND
8	W	O START SW BACKLIGHT LED

AALIA6122GB

INTERIOR ROOM LAMP CONNECTORS



AALIA6123GB

INTERIOR ROOM LAMP CONTROL SYSTEM

INTERIOR ROOM LAMP CONNECTORS

Connector No.	M65
Connector Name	JOINT CONNECTOR-M26
Connector Type	SAC08JW
Connector Color	WHITE

H.S.

8	7	6	5	4	3	2	1

Terminal No.	Color of Wire	Signal Name
1	B	GROUND
2	B	GROUND
3	B	GROUND
4	B	GROUND
5	B	GROUND
6	B	GROUND
7	B	GROUND
8	B	GROUND

Connector No.	M68
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS16FBR-CS
Connector Color	BROWN

H.S.

7R	6R	5R	4R		3R	2R	1R	
16R	15R	14R	13R	12R	11R	10R	9R	8R

Terminal No.	Color of Wire	Signal Name
1R	V	ILLUMINATION +
2R	G	IGNITION
3R	V	BATTERY
4R	–	–
5R	–	–
6R	LA/L	ACCESSORY
7R	LA/V	BATTERY
8R	–	–
9R	–	–
10R	GR	BATTERY
11R	–	–
12R	–	–
13R	–	–
14R	W	BATTERY
15R	W	BATTERY
16R	GR	ACCESSORY

Connector No.	M74
Connector Name	WIRE TO WIRE
Connector Type	NS16FW-CS
Connector Color	WHITE

H.S.

7	6	5	4		3	2	1	
16	15	14	13	12	11	10	9	8

Terminal No.	Color of Wire	Signal Name
1	LG	TO BODY HARNESS
2	LG	TO BODY HARNESS
3	V	TO BODY HARNESS
4	Y	TO BODY HARNESS
5	W	TO BODY HARNESS
6	BG	TO BODY HARNESS
7	SB	TO BODY HARNESS
8	BR	TO BODY HARNESS
9	LA/G	TO BODY HARNESS
10	LA/R	TO BODY HARNESS
11	LG	TO BODY HARNESS
12	GR	TO BODY HARNESS
13	BR	TO BODY HARNESS
14	LA/L	TO BODY HARNESS
15	LA/BR	TO BODY HARNESS
16	GR	TO BODY HARNESS

Connector No.	M91
Connector Name	WIRE TO WIRE
Connector Type	TH24MW-NH
Connector Color	WHITE

H.S.

1	2	3	4	5	6	7	8	9	10	11	12
13	14	15	16	17	18	19	20	21	22	23	24

Terminal No.	Color of Wire	Signal Name
1	B	TO FRONT DOOR RH HARNESS
2	GR	TO FRONT DOOR RH HARNESS
3	GR	TO FRONT DOOR RH HARNESS
4	W	TO FRONT DOOR RH HARNESS
5	P	TO FRONT DOOR RH HARNESS
6	SB	TO FRONT DOOR RH HARNESS
7	B	TO FRONT DOOR RH HARNESS
8	L	TO FRONT DOOR RH HARNESS
9	Y	TO FRONT DOOR RH HARNESS
10	SHIELD	TO FRONT DOOR RH HARNESS
11	G	TO FRONT DOOR RH HARNESS
12	V	TO FRONT DOOR RH HARNESS
13	LA/SB	TO FRONT DOOR RH HARNESS - (WITHOUT AUTOMATIC DRIVE POSITIONER)
13	Y	TO FRONT DOOR RH HARNESS - (WITH AUTOMATIC DRIVE POSITIONER)
14	LA/GR	TO FRONT DOOR RH HARNESS - (WITHOUT AUTOMATIC DRIVE POSITIONER)
14	R	TO FRONT DOOR RH HARNESS - (WITH AUTOMATIC DRIVE POSITIONER)
15	LA/V	TO FRONT DOOR RH HARNESS - (WITHOUT AUTOMATIC DRIVE POSITIONER)
15	V	TO FRONT DOOR RH HARNESS - (WITH AUTOMATIC DRIVE POSITIONER)
16	LA/L	TO FRONT DOOR RH HARNESS
17	LA/BG	TO FRONT DOOR RH HARNESS
18	GR	TO FRONT DOOR RH HARNESS
19	LG	TO FRONT DOOR RH HARNESS
20	BR	TO FRONT DOOR RH HARNESS
21	LA/Y	TO FRONT DOOR RH HARNESS
22	SB	TO FRONT DOOR RH HARNESS
23	BG	TO FRONT DOOR RH HARNESS
24	Y	TO FRONT DOOR RH HARNESS

Connector No.	M156
Connector Name	WIRE TO WIRE
Connector Type	TH24FW-CS
Connector Color	WHITE

H.S.

12	11	10	9	8	7	6	5	4	3	2	1
24	23	22	21	20	19	18	17	16	15	14	13

Terminal No.	Color of Wire	Signal Name
1	B	TO ROOM LAMP HARNESS
2	W	TO ROOM LAMP HARNESS
3	SHIELD	TO ROOM LAMP HARNESS
4	R	TO ROOM LAMP HARNESS
5	–	TO ROOM LAMP HARNESS
6	Y	TO ROOM LAMP HARNESS
7	LG	TO ROOM LAMP HARNESS
8	L	TO ROOM LAMP HARNESS
9	R	TO ROOM LAMP HARNESS
10	–	TO ROOM LAMP HARNESS
11	–	TO ROOM LAMP HARNESS
12	–	TO ROOM LAMP HARNESS
13	SB	TO ROOM LAMP HARNESS
14	GR	TO ROOM LAMP HARNESS
15	SB	TO ROOM LAMP HARNESS
16	GR	TO ROOM LAMP HARNESS
17	V	TO ROOM LAMP HARNESS
18	G	TO ROOM LAMP HARNESS
19	SB	TO ROOM LAMP HARNESS
20	R	TO ROOM LAMP HARNESS
21	B	TO ROOM LAMP HARNESS
22	GR	TO ROOM LAMP HARNESS
23	–	TO ROOM LAMP HARNESS
24	–	TO ROOM LAMP HARNESS

AALIA6124GB

INTERIOR ROOM LAMP CONNECTORS

Connector No.	M167
Connector Name	WIRE TO WIRE
Connector Type	NS16MW-CS
Connector Color	WHITE

H.S.

1	2	3		4	5	6	7
8	9	10	11	12	13	14	15	16

Terminal No.	Color of Wire	Signal Name
1	V	TO FRONT DOOR LH HARNESS
2	R	TO FRONT DOOR LH HARNESS
3	G	TO FRONT DOOR LH HARNESS
4	BR	TO FRONT DOOR LH HARNESS
5	P	TO FRONT DOOR LH HARNESS
6	Y	TO FRONT DOOR LH HARNESS - (WITHOUT BOSE AUDIO SYSTEM)
6	LA/L	TO FRONT DOOR LH HARNESS - (WITH BOSE AUDIO SYSTEM)
7	R	TO FRONT DOOR LH HARNESS - (WITHOUT BOSE AUDIO SYSTEM)
7	LA/BR	TO FRONT DOOR LH HARNESS - (WITH BOSE AUDIO SYSTEM)
8	L	TO FRONT DOOR LH HARNESS
9	LA/BR	TO FRONT DOOR LH HARNESS
10	LA/GR	TO FRONT DOOR LH HARNESS
11	Y	TO FRONT DOOR LH HARNESS
12	BG	TO FRONT DOOR LH HARNESS
13	LA/G	TO FRONT DOOR LH HARNESS
14	LA/R	TO FRONT DOOR LH HARNESS
15	P	TO FRONT DOOR LH HARNESS
16	B	TO FRONT DOOR LH HARNESS

Connector No.	M168
Connector Name	WIRE TO WIRE
Connector Type	TH32MW-NH
Connector Color	WHITE

H.S.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32

Terminal No.	Color of Wire	Signal Name
1	Y	TO FRONT DOOR LH HARNESS
2	GR	TO FRONT DOOR LH HARNESS

3	Y	TO FRONT DOOR LH HARNESS - (WITHOUT AUTOMATIC DRIVE POSITIONER)
3	SB	TO FRONT DOOR LH HARNESS - (WITH AUTOMATIC DRIVE POSITIONER)
4	V	TO FRONT DOOR LH HARNESS - (WITHOUT AUTOMATIC DRIVE POSITIONER)
4	BG	TO FRONT DOOR LH HARNESS - (WITH AUTOMATIC DRIVE POSITIONER)
5	BR	TO FRONT DOOR LH HARNESS - (WITHOUT AUTOMATIC DRIVE POSITIONER)
5	Y	TO FRONT DOOR LH HARNESS - (WITH AUTOMATIC DRIVE POSITIONER)
6	LG	TO FRONT DOOR LH HARNESS - (WITHOUT AUTOMATIC DRIVE POSITIONER)
6	V	TO FRONT DOOR LH HARNESS - (WITH AUTOMATIC DRIVE POSITIONER)
7	Y	TO FRONT DOOR LH HARNESS
8	V	TO FRONT DOOR LH HARNESS
9	BR	TO FRONT DOOR LH HARNESS
10	LG	TO FRONT DOOR LH HARNESS
11	L	TO FRONT DOOR LH HARNESS
12	Y	TO FRONT DOOR LH HARNESS
13	G	TO FRONT DOOR LH HARNESS
14	SHIELD	TO FRONT DOOR LH HARNESS
15	SB	TO FRONT DOOR LH HARNESS
16	BG	TO FRONT DOOR LH HARNESS
17	GR	TO FRONT DOOR LH HARNESS - (WITHOUT AUTOMATIC DRIVE POSITIONER)
17	SB	TO FRONT DOOR LH HARNESS - (WITH AUTOMATIC DRIVE POSITIONER)
18	W	TO FRONT DOOR LH HARNESS - (WITH AUTOMATIC DRIVE POSITIONER)
18	LA/SB	TO FRONT DOOR LH HARNESS - (WITHOUT AUTOMATIC DRIVE POSITIONER)
19	BR	TO FRONT DOOR LH HARNESS - (WITH AUTOMATIC DRIVE POSITIONER)
19	LA/GR	TO FRONT DOOR LH HARNESS - (WITHOUT AUTOMATIC DRIVE POSITIONER)
20	GR	TO FRONT DOOR LH HARNESS - (WITH AUTOMATIC DRIVE POSITIONER)
20	LA/V	TO FRONT DOOR LH HARNESS - (WITHOUT AUTOMATIC DRIVE POSITIONER)
21	BR	TO FRONT DOOR LH HARNESS
22	W	TO FRONT DOOR LH HARNESS
23	R	TO FRONT DOOR LH HARNESS - (WITH AUTOMATIC DRIVE POSITIONER)
23	LA/R	TO FRONT DOOR LH HARNESS - (WITHOUT AUTOMATIC DRIVE POSITIONER)
24	GR	TO FRONT DOOR LH HARNESS
25	R	TO FRONT DOOR LH HARNESS LED INDICATOR L
26	LA/G	TO FRONT DOOR LH HARNESS
27	LG	TO FRONT DOOR LH HARNESS
28	L	TO FRONT DOOR LH HARNESS
29	Y	TO FRONT DOOR LH HARNESS
30	V	TO FRONT DOOR LH HARNESS
31	G	TO FRONT DOOR LH HARNESS
32	P	TO FRONT DOOR LH HARNESS

Connector No.	M170
Connector Name	JOINT CONNECTOR-M29
Connector Type	SAC08JW
Connector Color	WHITE

H.S.

8	7	6	5	4	3	2	1

Terminal No.	Color of Wire	Signal Name
1	B	GROUND
2	B	GROUND
3	B	GROUND
4	B	GROUND
5	B	GROUND
6	B	GROUND
7	B	GROUND
8	B	GROUND

Connector No.	R1
Connector Name	WIRE TO WIRE
Connector Type	NS08MW-CS
Connector Color	WHITE

H.S.

1	2		3
4	5	6	7	8

Terminal No.	Color of Wire	Signal Name
1	–	TO MAIN HARNESS
2	P	TO MAIN HARNESS

3	B	TO MAIN HARNESS
4	B	TO MAIN HARNESS
5	–	TO MAIN HARNESS
6	W	TO MAIN HARNESS
7	Y	TO MAIN HARNESS
8	R	TO MAIN HARNESS

Connector No.	R6
Connector Name	MAP LAMP ASSEMBLY
Connector Type	TH08FW-1V-NH
Connector Color	WHITE

H.S.

1	2	3	4	5	6	7	8

Terminal No.	Color of Wire	Signal Name
1	P	ROOM LAMP RELAY OUTPUT
2	SB	O PWM ROOMLAMP 1 (WITH MOONROOF)-
3	SB	O PWM ROOMLAMP 1
4	–	–
5	–	–
6	B	GROUND
7	B	GROUND
8	R	ILL CONT OUT

Connector No.	R10
Connector Name	VANITY MIRROR LAMP RH
Connector Type	MCA02FW
Connector Color	WHITE

H.S.

2
1

Terminal No.	Color of Wire	Signal Name
1	P	ROOM LAMP RELAY OUTPUT
2	B	GROUND

AALIA6125GB

INTERIOR ROOM LAMP CONNECTORS

Connector No.	R11
Connector Name	WIRE TO WIRE
Connector Type	TH24MW-NH
Connector Color	WHITE

H.S.

1	2	3	4	5	6	7	8	9	10	11	12
13	14	15	16	17	18	19	20	21	22	23	24

Terminal No.	Color of Wire	Signal Name
1	B	TO MAIN HARNESS
2	W	TO MAIN HARNESS
3	SHIELD	TO MAIN HARNESS
4	SB	TO MAIN HARNESS
5	–	TO MAIN HARNESS
6	LG	TO MAIN HARNESS
7	LG	TO MAIN HARNESS
8	–	TO MAIN HARNESS
9	–	TO MAIN HARNESS
10	–	TO MAIN HARNESS
11	–	TO MAIN HARNESS
12	–	TO MAIN HARNESS
13	SB	TO MAIN HARNESS
14	P	TO MAIN HARNESS
15	–	TO MAIN HARNESS
16	–	TO MAIN HARNESS
17	–	TO MAIN HARNESS
18	–	TO MAIN HARNESS
19	SB	TO MAIN HARNESS
20	R	TO MAIN HARNESS
21	B	TO MAIN HARNESS
22	L	TO MAIN HARNESS
23	–	TO MAIN HARNESS
24	–	TO MAIN HARNESS

Connector No.	R14
Connector Name	VANITY MIRROR LAMP LH
Connector Type	MCA02FW
Connector Color	WHITE

H.S.

2	1

Terminal No.	Color of Wire	Signal Name
1	P	ROOM LAMP RELAY OUTPUT
2	B	GROUND

Connector No.	R15
Connector Name	ROOM LAMP
Connector Type	TB03FW
Connector Color	WHITE

H.S.

1	2	3

Terminal No.	Color of Wire	Signal Name
1	SB	O PWM ROOMLAMP 1
2	P	ROOM LAMP RELAY OUTPUT
3	B	GROUND

Connector No.	R16
Connector Name	PERSONAL LAMP 2ND ROW
Connector Type	TH04FW-NH
Connector Color	WHITE

H.S.

1	2	3	4

Terminal No.	Color of Wire	Signal Name
1	–	–
2	P	ROOM LAMP RELAY OUTPUT
3	SB	O PWM ROOM LAMP 1
4	B	GROUND

Connector No.	R23
Connector Name	LUGGAGE ROOM LAMP
Connector Type	TK03FW
Connector Color	WHITE

H.S.

1	2	3

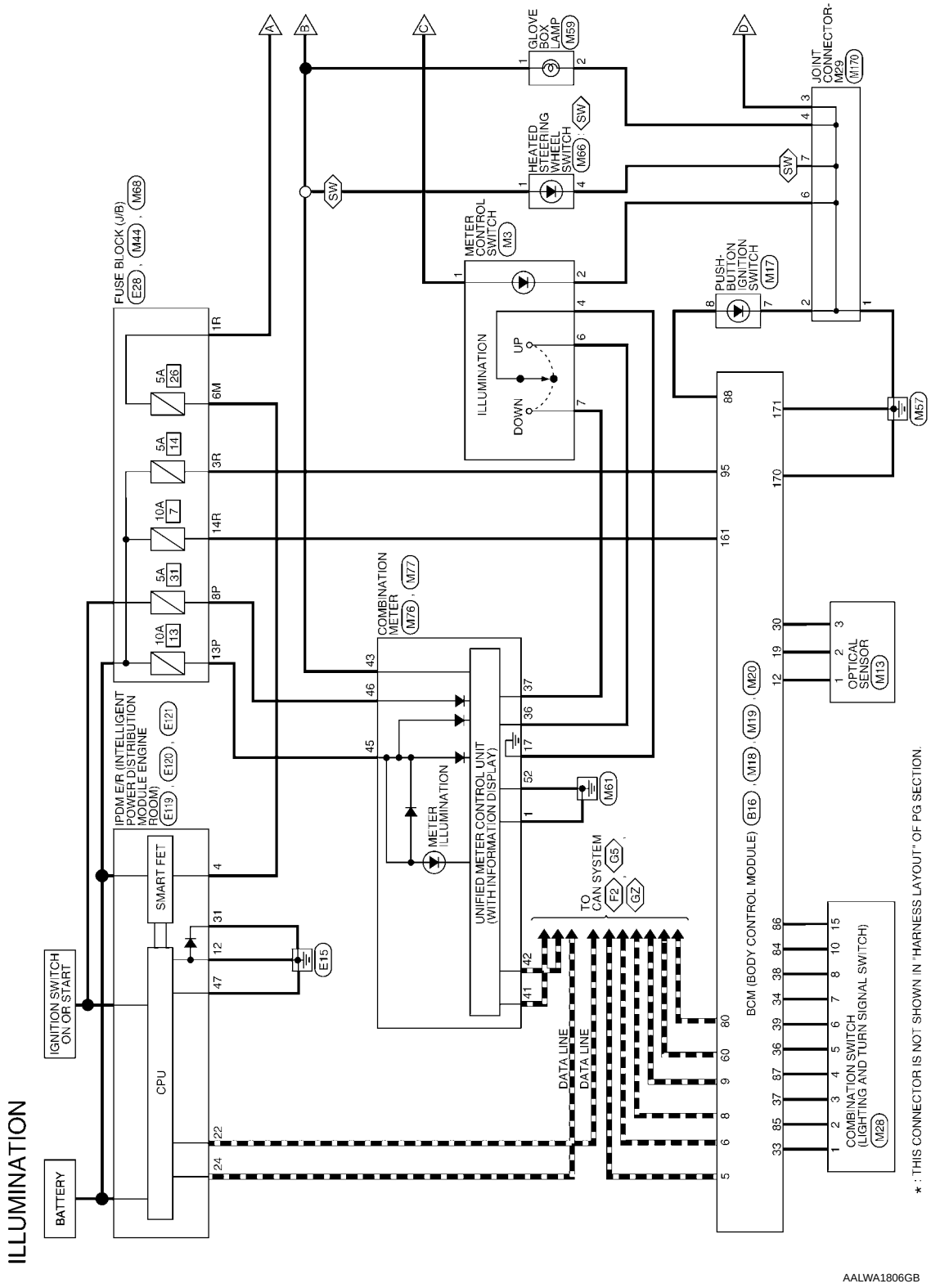
Terminal No.	Color of Wire	Signal Name
1	B	GROUND
2	V	ROOM LAMP RELAY OUTPUT
3	L	O PWM ROOM LAMP 5

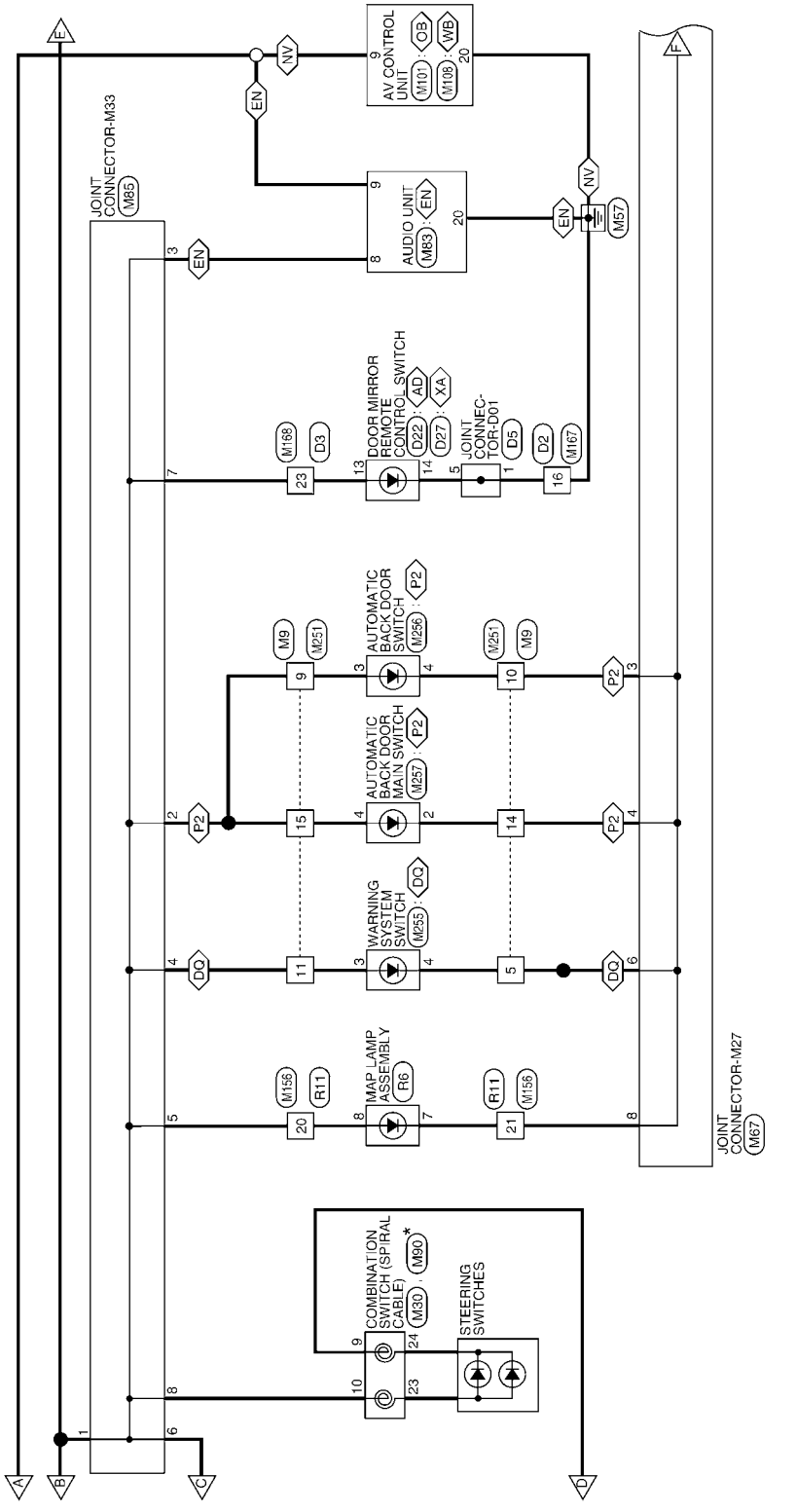
AALIA6126GB

ILLUMINATION

Wiring Diagram

INFOID:0000000014623318

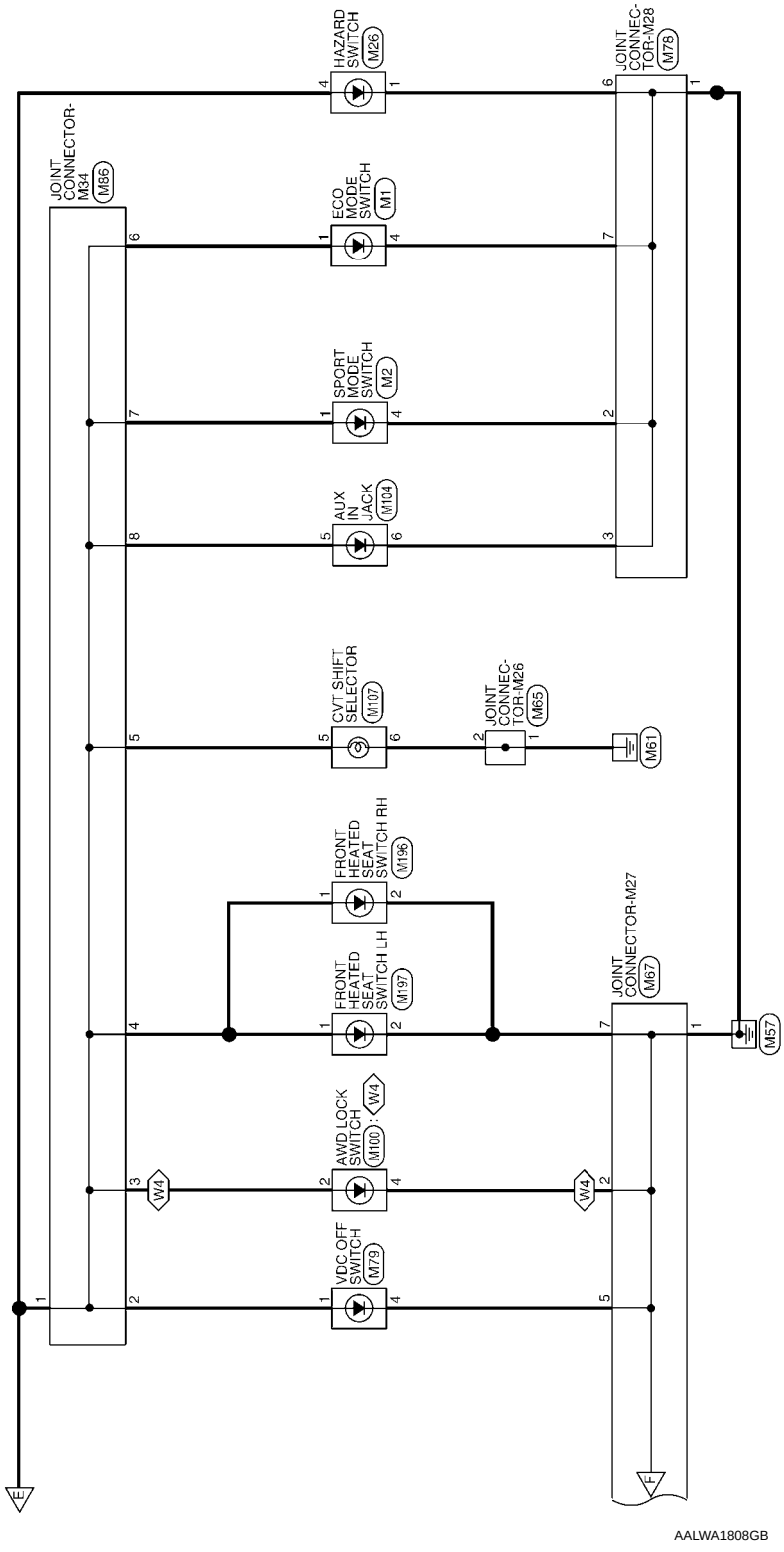




AALWA1807GB

: CAN COMMUNICATION LINE FOR DIAGNOSIS
AD : WITH AUTOMATIC DRIVE POSITIONER
DQ : WITH DRIVER ASSISTANCE SYSTEM
EN : WITHOUT NAVI
F2 : WITH FORWARD EMERGENCY BRAKING
G5 : CAN GATEWAY SYSTEM
GZ : WITHOUT FORWARD EMERGENCY BRAKING

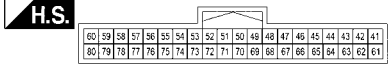
NV : WITH NAVI
OB : WITHOUT BOSE AUDIO SYSTEM
P2 : WITH AUTOMATIC BACK DOOR
SW : WITH HEATED STEERING WHEEL
WB : WITH BOSE AUDIO SYSTEM
W4 : WITH ALL WHEEL DRIVE
XA : WITHOUT AUTOMATIC DRIVE POSITIONER



AALWA1808GB

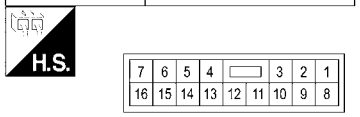
ILLUMINATION CONNECTORS

Connector No.	B16
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FG-NH
Connector Color	GREEN



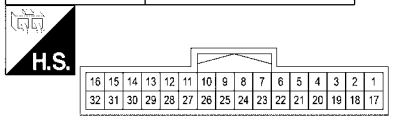
Terminal No.	Color of Wire	Signal Name
41	–	–
42	–	–
43	–	–
44	–	–
45	–	–
46	R	I SES BACKDOOR BUTTON SW
47	–	–
48	–	–
49	G	I NO TOUCH TGATE SENSOR
50	W	I RR DOOR SW
51	LG	I TGATE SW
52	R	I RL DOOR SW
53	SB	I AS DOOR2 SW
54	–	–
55	LA/G	I RR AUTOSTOP SW
56	Y	I TGATE OPENER SW
57	SB	I DR DOOR2 SW
58	–	–
59	–	–
60	L	CAN-H
61	V	SES EXT REAR ANTENNA B
62	Y	SES INT MIDDLE ANTENNA B
63	L	SES INT MIDDLE ANTENNA A
64	LG	SES EXT REAR ANTENNA A
65	–	–
66	–	–
67	–	–
68	–	–
69	–	–
70	–	–
71	–	–
72	–	–
73	–	–
74	–	–
75	–	–
76	–	–
77	V	SHIFT LOCK RLY
78	–	–
79	LA/W	O STOP LAMP3
80	P	CAN-L

Connector No.	D2
Connector Name	WIRE TO WIRE
Connector Type	NS16FW-CS
Connector Color	WHITE



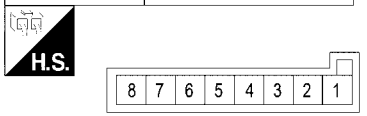
Terminal No.	Color of Wire	Signal Name
1	V	TO MAIN HARNESS
2	R	TO MAIN HARNESS
3	G	TO MAIN HARNESS
4	BR	TO MAIN HARNESS
5	P	TO MAIN HARNESS
6	LA/L	TO MAIN HARNESS
7	LA/BR	TO MAIN HARNESS
8	SB	TO MAIN HARNESS
9	GR	TO MAIN HARNESS
10	L	TO MAIN HARNESS
11	P	TO MAIN HARNESS
12	LG	TO MAIN HARNESS
13	Y	TO MAIN HARNESS
14	V	TO MAIN HARNESS
15	R	TO MAIN HARNESS
16	B	TO MAIN HARNESS

Connector No.	D3
Connector Name	WIRE TO WIRE
Connector Type	TH32FW-NH
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
1	Y	TO MAIN HARNESS
2	GR	TO MAIN HARNESS
3	W	TO MAIN HARNESS - (WITHOUT AUTOMATIC DRIVE POSITIONER)
3	LA/SB	TO MAIN HARNESS - (WITH AUTOMATIC DRIVE POSITIONER)
4	V	TO MAIN HARNESS - (WITHOUT AUTOMATIC DRIVE POSITIONER)
4	LA/BG	TO MAIN HARNESS - (WITH AUTOMATIC DRIVE POSITIONER)
5	SB	TO MAIN HARNESS - (WITHOUT AUTOMATIC DRIVE POSITIONER)
5	LA/Y	TO MAIN HARNESS - (WITH AUTOMATIC DRIVE POSITIONER)
6	LG	TO MAIN HARNESS - (WITHOUT AUTOMATIC DRIVE POSITIONER)
6	LA/V	TO MAIN HARNESS - (WITH AUTOMATIC DRIVE POSITIONER)
7	W	TO MAIN HARNESS
8	V	TO MAIN HARNESS
9	SB	TO MAIN HARNESS
10	LG	TO MAIN HARNESS
11	GR	TO MAIN HARNESS
12	G	TO MAIN HARNESS
13	Y	TO MAIN HARNESS
14	B	TO MAIN HARNESS
15	BG	TO MAIN HARNESS
16	L	TO MAIN HARNESS
17	LA/W	TO MAIN HARNESS - (WITHOUT AUTOMATIC DRIVE POSITIONER)
17	LA/SB	TO MAIN HARNESS - (WITH AUTOMATIC DRIVE POSITIONER)
18	LA/W	TO MAIN HARNESS - (WITH AUTOMATIC DRIVE POSITIONER)
18	LA/Y	TO MAIN HARNESS - (WITHOUT AUTOMATIC DRIVE POSITIONER)
19	LA/BR	TO MAIN HARNESS - (WITH AUTOMATIC DRIVE POSITIONER)
19	LA/LG	TO MAIN HARNESS - (WITHOUT AUTOMATIC DRIVE POSITIONER)
20	LA/GR	TO MAIN HARNESS - (WITH AUTOMATIC DRIVE POSITIONER)
20	LA/V	TO MAIN HARNESS - (WITHOUT AUTOMATIC DRIVE POSITIONER)
21	BR	TO MAIN HARNESS
22	W	TO MAIN HARNESS
23	LA/R	TO MAIN HARNESS
24	GR	TO MAIN HARNESS
25	R	TO MAIN HARNESS
26	LA/G	TO MAIN HARNESS
27	LA/LG	TO MAIN HARNESS
28	LA/L	TO MAIN HARNESS
29	LA/Y	TO MAIN HARNESS
30	LA/V	TO MAIN HARNESS
31	LA/BR	TO MAIN HARNESS
32	P	TO MAIN HARNESS

Connector No.	D5
Connector Name	JOINT CONNECTOR-D01
Connector Type	SAC08JW
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
1	B	GROUND
2	B	GROUND
3	B	GROUND
4	B	GROUND
5	LA/B	GROUND
6	LA/B	GROUND (WITH AUTOMATIC DRIVE POSITIONER)
6	B	GROUND (WITHOUT AUTOMATIC DRIVE POSITIONER)
7	B	GROUND
8	LA/B	GROUND

AALIA6132GB

ILLUMINATION CONNECTORS

Connector No.	D22
Connector Name	DOOR MIRROR REMOTE CONTROL SWITCH (WITH AUTOMATIC DRIVE POSITIONER)
Connector Type	TH16FGY-NH
Connector Color	GRAY

H.S.

Terminal No.	Color of Wire	Signal Name
1	LA/V	MIRROR SW (LEFTWARD)
2	–	–
3	LA/LG	MIRROR SELECT SW (RH)
4	LA/SB	MIRROR SELECT SW (LH)
5	–	–
6	–	–
7	–	–
8	–	–
9	LA/Y	MIRROR SW (RIGHTWARD)
10	–	–
11	–	–
12	LA/BR	MIRROR SW (UPWARD)
13	LA/R	ILL CONT OUT
14	LA/B	GROUND
15	LA/B	GROUND
16	LA/L	MIRROR SW (DOWNWARD)

Connector No.	D27
Connector Name	DOOR MIRROR REMOTE CONTROL SWITCH (WITHOUT AUTOMATIC DRIVE POSITIONER)
Connector Type	TH16FB-NH
Connector Color	BLACK

H.S.

Terminal No.	Color of Wire	Signal Name
1	LA/W	SWITCH OUTPUT (RIGHT) - LH
2	–	–
3	LA/V	SWITCH OUTPUT (DOWN) - RH
4	LA/GR	SWITCH OUTPUT (DOWN) - LH
5	–	–
6	–	–
7	–	–
8	–	–
9	LA/Y	SWITCH OUTPUT (RIGHT) - RH
10	B	GROUND
11	LA/LG	SWITCH OUTPUT (COMMON) - RH
12	LA/BR	SWITCH OUTPUT (COMMON) - LH
13	LA/R	ILL CONT OUT
14	LA/B	GROUND
15	LA/W	IGNITION
16	–	–

Connector No.	E28
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS10FW-CS
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
1M	–	–
2M	–	–
3M	–	–
4M	–	–
5M	V	BATTERY
6M	Y	O LIGHT POSITION REAR LH
7M	–	–
8M	–	–
9M	–	–
10M	–	–

Connector No.	E119
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	NS16FGY-CS
Connector Color	GRAY

H.S.

Terminal No.	Color of Wire	Signal Name
3	P	O IGN NOT COLUMN LOCK
4	Y	O LIGHT POSITION REAR LH
5	–	–
6	–	–
7	–	–
8	BR	O ACTUATOR4 CABIN (3FB4)
9	L	LO HORN RLY
10	–	–
11	V	O IGN AIRBAG
12	B	SIGNAL GROUND
13	–	–
14	–	–
15	–	–
16	G	O LIGHT REVERSE LAMP
17	W	O LIGHT POSITION REAR RH
18	–	–

Connector No.	E120
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	TH24FGY-NH
Connector Color	GRAY

H.S.

Terminal No.	Color of Wire	Signal Name
19	LG	O IGN ECM
20	–	–
21	–	–
22	P	CAN-L
23	–	–
24	L	CAN-H
25	–	–
26	–	–
27	SB	CABIN MOTOR 5
28	R	CABIN MOTOR 6
29	LG	CABIN MOTOR 7
30	Y	CABIN MOTOR 8
31	B	2ND SIGNAL GROUND
32	GR	LI PUSH SW
33	BR	I AUTO STOP WIPER
34	–	–
35	–	–
36	–	–
37	–	–
38	–	–
39	L	HEV CAN-H
40	G	HEV CAN-L
41	W	CABIN MOTOR 3
42	R	CABIN MOTOR 4

Connector No.	E121
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	243405408R
Connector Color	RED

H.S.

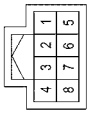
Terminal No.	Color of Wire	Signal Name
43	–	–
44	R	O BAT ABS VALVE
45	V	O FR WIPER HI
46	W	O FUEL PUMP
47	B	POWER GROUND
48	Y	O FR WIPER LO

AALIA6133GB

ILLUMINATION CONNECTORS

Connector No.	M1
Connector Name	ECO MODE SWITCH
Connector Type	TH08FGY-NH
Connector Color	GRAY

H.S.



Terminal No.	Color of Wire	Signal Name
1	G	ILL CONT OUT
2	–	–
3	–	–
4	GR	GROUND
5	–	–
6	GR	ECO MODE SW
7	–	–
8	GR	GROUND

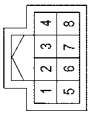
Connector No.	M2
Connector Name	SPORT MODE SWITCH
Connector Type	TH08FL-NH
Connector Color	BLUE

H.S.

Terminal No.	Color of Wire	Signal Name
1	G	ILL CONT OUT
2	–	–
3	–	–
4	GR	GROUND
5	–	–
6	R	SPORT MODE SW
7	–	–
8	GR	GROUND

Connector No.	M3
Connector Name	METER CONTROL SWITCH
Connector Type	TH08FW-NH
Connector Color	WHITE

H.S.



Terminal No.	Color of Wire	Signal Name
1	R	ILL CONT OUT
2	B	GROUND
3	–	–
4	BG	SATELLITE SW GND
5	SB	TRIP RESET SW
6	GR	ILL UP SW
7	V	ILL DOWN SW
8	–	–

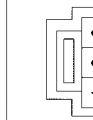
Connector No.	M9
Connector Name	WIRE TO WIRE
Connector Type	TH16FW-NH
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
1	LG	TO MAIN SUB HARNESS
2	B	TO MAIN SUB HARNESS
3	W	TO MAIN SUB HARNESS
4	B	TO MAIN SUB HARNESS
5	GR	TO MAIN SUB HARNESS
6	BG	TO MAIN SUB HARNESS
7	B	TO MAIN SUB HARNESS
8	B	TO MAIN SUB HARNESS
9	R	TO MAIN SUB HARNESS
10	B	TO MAIN SUB HARNESS
11	R	TO MAIN SUB HARNESS
12	SB	TO MAIN SUB HARNESS
13	BR	TO MAIN SUB HARNESS
14	B	TO MAIN SUB HARNESS
15	R	TO MAIN SUB HARNESS
16	B	TO MAIN SUB HARNESS

Connector No.	M13
Connector Name	OPTICAL SENSOR
Connector Type	TK03FW
Connector Color	WHITE

H.S.



Terminal No.	Color of Wire	Signal Name
1	W	O PWR AUTOLIGHT SENSOR
2	LG	I AUTOLIGHT SENSOR
3	V	O GND AUTOLIGHT SENSOR

Connector No.	M17
Connector Name	PUSH-BUTTON IGNITION SWITCH
Connector Type	TH08FW-NH
Connector Color	WHITE

H.S.

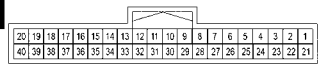
Terminal No.	Color of Wire	Signal Name
1	–	–
2	–	–
3	–	–
4	B	GROUND
5	Y	I START WO ESCL SW
6	–	–
7	B	GROUND
8	W	O START SW BACKLIGHT LED

AALIA6134GB

ILLUMINATION CONNECTORS

Connector No.	M18
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FGY-NH
Connector Color	GRAY

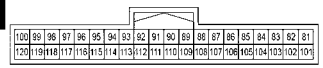
H.S.



Terminal No.	Color of Wire	Signal Name
1	L	LIN 3 D
2	LA/G	O DI FR LEFT D
3	LA/Y	O DI FR RIGHT D
4	P	O SPARE4 RL N
5	R	CAN-L
6	L	CAN-H
7	–	–
8	L	CAN-H
9	R	CAN-L
10	BG	I DOORLOCK SW
11	Y	I HAZARD SW D
12	W	O PWR AUTOLIGHT SENSOR
13	–	–
14	–	–
15	–	–
16	–	–
17	L	O PWR ATDVC
18	–	–
19	LG	I AUTOLIGHT SENSOR
20	–	–
21	–	–
22	–	–
23	G	O WL AUTHORIZATION RL
24	LA/R	O DEFROSTER RL D
25	BR	O BAT TEMP1 RL
26	–	–
27	Y	O IGN1 RL
28	LA/W	O IGN2 RL
29	–	–
30	V	O GND AUTOLIGHT SENSOR
31	–	–
32	–	–
33	LG	O CSW 5
34	Y	I CSW 5
35	BG	O SECURITY LED
36	G	O CSW 3
37	GR	O CSW 4
38	V	O CSW 1
39	W	O CSW 2
40	SB	I DOORUNLOCK SW

Connector No.	M19
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FB-NH
Connector Color	BLACK

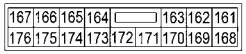
H.S.



Terminal No.	Color of Wire	Signal Name
81	–	–
82	W	I SES FR HANDLE BUTTON SW
83	–	–
84	BR	I CSW 2
85	SB	I CSW 1
86	P	I CSW 3
87	BG	I CSW 4
88	W	O START SW BACKLIGHT LED
89	Y	I START WO ESCL SW
90	–	–
91	–	–
92	BR	I KEY CYLINDER LOCK SW
93	P	I KEY CYLINDER UNLOCK SW
94	G	I AT LOCKED IN PARK SW
95	V	I SHORTING PIN
96	–	–
97	–	–
98	–	–
99	–	–
100	V	SES EXT DR ANTENNA A
101	–	–
102	–	–
103	–	–
104	R	I DR KNOB SW
105	Y	I SES DR HANDLE BUTTON SW
106	W	O AUTO ACC2
107	–	–
108	–	–
109	–	–
110	BG	O MR OUTPUT
111	–	–
112	–	–
113	–	–
114	Y	O IMMOBILIZER KAZASHI B
115	W	O IMMOBILIZER KAZASHI A
116	BG	SES INT FRONT ANTENNA B
117	GR	SES INT FRONT ANTENNA A
118	SB	SES EXT AS ANTENNA B
119	P	SES EXT AS ANTENNA A
120	BR	SES EXT DR ANTENNA B

Connector No.	M20
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	NS16FBR-CS
Connector Color	BROWN

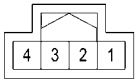
H.S.



Terminal No.	Color of Wire	Signal Name
161	W	I PWR ECU
162	SB	O PWM ROOMLAMP 1
163	L	O AS LOCK OR UNLOCK D
164	–	–
165	V	O DR OR FR LOCK D
166	–	–
167	LA/V	I PWR DOORLOCK1
168	BG	I PWR FLASHERS
169	GR	I PWR STOP LAMP
170	B	I GND1
171	B	I GND2
172	G	O FR OR DR UNLOCK D
173	–	–
174	–	–
175	R	I PWR DOORLOCK2
176	LG	I PWR WIPER

Connector No.	M26
Connector Name	HAZARD SWITCH
Connector Type	TH04FW-NH
Connector Color	WHITE

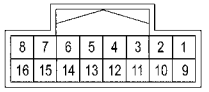
H.S.



Terminal No.	Color of Wire	Signal Name
1	GR	GROUND
2	Y	I HAZARD SW D
3	GR	GROUND
4	R	ILL CONT OUT

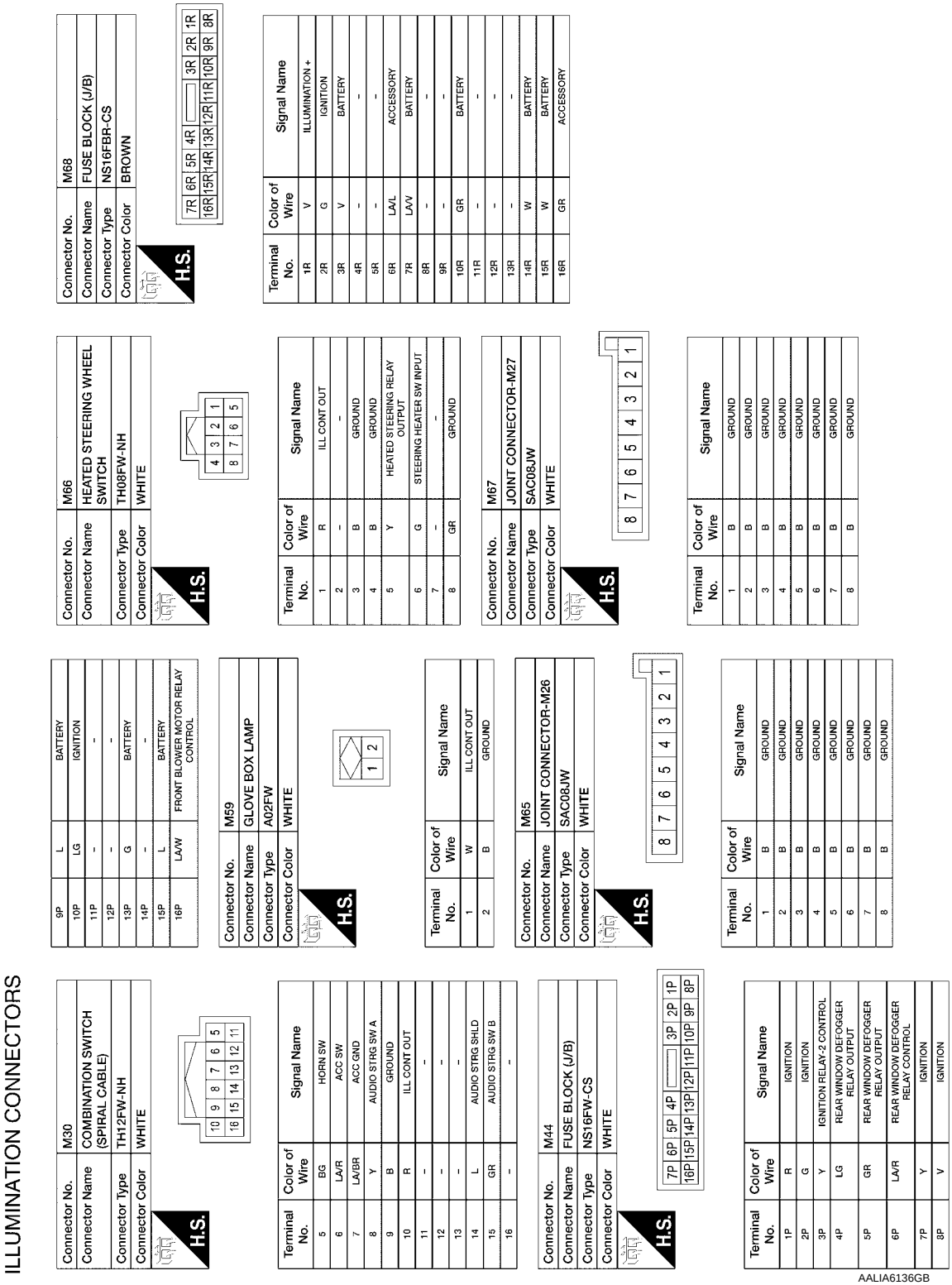
Connector No.	M28
Connector Name	COMBINATION SWITCH
Connector Type	TH16FW-NH
Connector Color	WHITE

H.S.



Terminal No.	Color of Wire	Signal Name
1	LG	O CSW 5
2	SB	I CSW 1
3	GR	O CSW 4
4	BG	I CSW 4
5	G	O CSW 3
6	W	O CSW 2
7	Y	I CSW 5
8	V	O CSW 1
9	G	RR WASH MOTOR
10	BR	I CSW 2
11	Y	FR WASH MOTOR
12	–	–
13	–	–
14	LG	IGNITION
15	P	I CSW 3
16	GR	GROUND

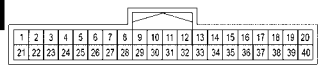
AALIA6135GB


ILLUMINATION CONNECTORS
Connector No. M30
Connector Name COMBINATION SWITCH (SPIRAL CABLE)
Connector Type TH12FW-NH
Connector Color WHITE
H.S.
10 9 8 7 6 5
16 15 14 13 12 11
Terminal No. Color of Wire Signal Name
5 BG HORN SW
6 LA/R ACC SW
7 LA/BR ACC GND
8 Y AUDIO STRG SW A
9 B GROUND
10 R ILL CONT OUT
11 - -
12 - -
13 - -
14 L AUDIO STRG SHLD
15 GR AUDIO STRG SW B
16 - -
Connector No. M44
Connector Name FUSE BLOCK (J/B)
Connector Type NS16FW-CS
Connector Color WHITE
H.S.
7P 6P 5P 4P 3P 2P 1P
16P 15P 14P 13P 12P 11P 10P 9P 8P
Terminal No. Color of Wire Signal Name
1P R IGNITION
2P G IGNITION
3P Y IGNITION RELAY-2 CONTROL
4P LG REAR WINDOW DEFOGGER RELAY OUTPUT
5P GR REAR WINDOW DEFOGGER RELAY OUTPUT
6P LA/R REAR WINDOW DEFOGGER RELAY CONTROL
7P Y IGNITION
8P V IGNITION
9P L BATTERY
10P LG IGNITION
11P - -
12P - -
13P G BATTERY
14P - -
15P L BATTERY
16P LA/W FRONT BLOWER MOTOR RELAY CONTROL
Connector No. M59
Connector Name GLOVE BOX LAMP
Connector Type A02FW
Connector Color WHITE
H.S.
1 2
Terminal No. Color of Wire Signal Name
1 W ILL CONT OUT
2 B GROUND
Connector No. M65
Connector Name JOINT CONNECTOR-M26
Connector Type SAC08JW
Connector Color WHITE
H.S.
8 7 6 5 4 3 2 1
Terminal No. Color of Wire Signal Name
1 B GROUND
2 B GROUND
3 B GROUND
4 B GROUND
5 B GROUND
6 B GROUND
7 B GROUND
8 B GROUND
Connector No. M66
Connector Name HEATED STEERING WHEEL SWITCH
Connector Type TH08FW-NH
Connector Color WHITE
H.S.
4 3 2 1
8 7 6 5
Terminal No. Color of Wire Signal Name
1 R ILL CONT OUT
2 - -
3 B GROUND
4 B GROUND
5 Y HEATED STEERING RELAY OUTPUT
6 G STEERING HEATER SW INPUT
7 - -
8 GR GROUND
Connector No. M67
Connector Name JOINT CONNECTOR-M27
Connector Type SAC08JW
Connector Color WHITE
H.S.
8 7 6 5 4 3 2 1
Terminal No. Color of Wire Signal Name
1 B GROUND
2 B GROUND
3 B GROUND
4 B GROUND
5 B GROUND
6 B GROUND
7 B GROUND
8 B GROUND
Connector No. M68
Connector Name FUSE BLOCK (J/B)
Connector Type NS16FBR-CS
Connector Color BROWN
H.S.
7R 6R 5R 4R 3R 2R 1R
16R 15R 14R 13R 12R 11R 10R 9R 8R
Terminal No. Color of Wire Signal Name
1R V ILLUMINATION +
2R G IGNITION
3R V BATTERY
4R - -
5R - -
6R LA/L ACCESSORY
7R LA/V BATTERY
8R - -
9R - -
10R GR BATTERY
11R - -
12R - -
13R - -
14R W BATTERY
15R W BATTERY
16R GR ACCESSORY
AALIA6136GB

ILLUMINATION CONNECTORS

Connector No.	M76
Connector Name	COMBINATION METER
Connector Type	TH40FW-NH
Connector Color	WHITE

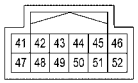
H.S.



Terminal No.	Color of Wire	Signal Name
1	B	GND
2	–	–
3	–	–
4	–	–
5	–	–
6	–	–
7	BG	SECURITY
8	–	–
9	GR	ECO MODE SW
10	–	–
11	–	–
12	–	–
13	–	–
14	–	–
15	L	OUTSIDE TEMP SENSOR
16	–	–
17	BG	SATELLITE SW GND
18	SB	TRIP RESET SW
19	–	–
20	Y	OUTSIDE TEMP GND
21	L	GND (STRG SW GND)
22	Y	STRG SW A
23	GR	STRG SW B
24	BR	WASHER SW
25	V	BRAKE OIL SW
26	G	PKB SW
27	–	–
28	Y	DR BELT SW
29	R	SPORT MODE SW
30	LG	M RANGE
31	SB	NOT M RANGE
32	BG	AT SHIFT UP
33	BR	AT SHIFT DOWN
34	–	–
35	–	–
36	GR	ILL UP SW
37	V	ILL DOWN SW
38	G	8P/R OUTPUT
39	W	2P/R OUTPUT
40	–	–

Connector No.	M77
Connector Name	COMBINATION METER
Connector Type	TH12FW-NH
Connector Color	WHITE

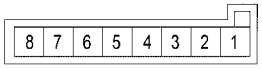
H.S.



Terminal No.	Color of Wire	Signal Name
41	L	CAN-H
42	P	CAN-L
43	R	ILL CONT OUT
44	LA/B	FUEL SENSOR GND
45	G	BAT
46	V	IGN
47	SB	M-CAN H
48	LG	M-CAN L
49	–	–
50	–	–
51	LA/L	FUEL SENSOR
52	B	G1

Connector No.	M78
Connector Name	JOINT CONNECTOR-M28
Connector Type	SAC08JW
Connector Color	WHITE

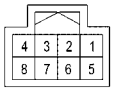
H.S.



Terminal No.	Color of Wire	Signal Name
1	GR	GROUND
2	GR	GROUND
3	GR	GROUND
4	–	–
5	–	–
6	–	–
7	GR	GROUND
8	GR	GROUND

Connector No.	M79
Connector Name	VDC OFF SWITCH
Connector Type	TH08FB-NH
Connector Color	BLACK

H.S.



Terminal No.	Color of Wire	Signal Name
1	G	ILL CONT OUT
2	–	–
3	–	–
4	B	GROUND
5	–	–
6	BR	VDC OFF
7	–	–
8	B	GROUND

Connector No.	M83
Connector Name	AUDIO UNIT
Connector Type	NH18FW-CS2
Connector Color	WHITE

H.S.



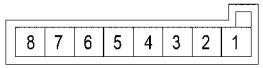
Terminal No.	Color of Wire	Signal Name
1	BR	AMPL ON (WITH BOSE AUDIO SYSTEM)
2	Y	FR SP LH+ (WITH 4 SPEAKERS)
2	R	FR SP LH+ (WITH BOSE AUDIO SYSTEM)
2	W	FR SP LH+ (WITH 6 SPEAKERS)
3	R	FR SP LH- (WITH 4 SPEAKERS)
3	G	FR SP LH- (WITH BOSE AUDIO SYSTEM)
3	P	FR SP LH- (WITH 6 SPEAKERS)
4	V	RR SP LH+ (WITH BOSE AUDIO SYSTEM)
4	GR	RR SP LH+ (WITHOUT BOSE AUDIO SYSTEM)
5	LG	RR SP LH- (WITH BOSE AUDIO SYSTEM)
5	BR	RR SP LH- (WITHOUT BOSE AUDIO SYSTEM)
6	–	–
7	LG	IGN2
8	R	ILL-
9	V	ILL+, LIGHT SW
10	B	SHIELD (WITH BOSE AUDIO SYSTEM)
11	W	FR SP RH+ (WITH 4 SPEAKERS)
11	R	FR SP RH+ (WITH BOSE AUDIO SYSTEM)
11	G	FR SP RH+ (WITH 6 SPEAKERS)
12	GR	FR SP RH- (WITH 4 SPEAKERS)
12	W	FR SP RH- (WITH BOSE AUDIO SYSTEM)
12	V	FR SP RH- (WITH 6 SPEAKERS)
13	L	RR SP RH+ (WITH BOSE AUDIO SYSTEM)
13	LG	RR SP RH+ (WITHOUT BOSE AUDIO SYSTEM)
14	Y	RR SP RH-
15	–	–
16	–	–
17	–	–
18	G	SPEED SIGNAL
19	L	+B
20	B	GND

AALIA6137GB

ILLUMINATION CONNECTORS

Connector No.	M85
Connector Name	JOINT CONNECTOR-M33
Connector Type	SAC08JW
Connector Color	WHITE

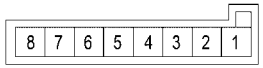
H.S.



Terminal No.	Color of Wire	Signal Name
1	R	ILL CONT OUT
2	R	ILL CONT OUT
3	R	ILL CONT OUT
4	R	ILL CONT OUT
5	R	ILL CONT OUT
6	R	ILL CONT OUT
7	LA/R	ILL CONT OUT (WITHOUT AUTOMATIC DRIVE POSITIONER)
7	R	ILL CONT OUT (WITH AUTOMATIC DRIVE POSITIONER)
8	R	ILL CONT OUT

Connector No.	M86
Connector Name	JOINT CONNECTOR-M34
Connector Type	SAC08JW
Connector Color	WHITE

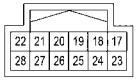
H.S.



Terminal No.	Color of Wire	Signal Name
1	G	ILL CONT OUT
2	G	ILL CONT OUT
3	G	ILL CONT OUT
4	G	ILL CONT OUT
5	G	ILL CONT OUT
6	G	ILL CONT OUT
7	G	ILL CONT OUT
8	W	ILL CONT OUT

Connector No.	M90
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TH12FW-NH
Connector Color	WHITE

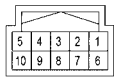
H.S.



Terminal No.	Color of Wire	Signal Name
17	–	–
18	L	AUDIO STRG SW B
19	G	AUDIO STRG SHLD
20	–	–
21	–	–
22	–	–
23	R	ILL (+)
24	Y	ILL (-)
25	P	AUDIO STRG SW A
26	GR	ACC GND
27	V	ACC SW
28	BR	HORN SW

Connector No.	M100
Connector Name	AWD LOCK SWITCH
Connector Type	TH10FW-NH
Connector Color	WHITE

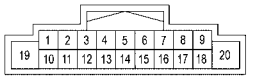
H.S.



Terminal No.	Color of Wire	Signal Name
1	–	–
2	G	ILL CONT OUT
3	–	–
4	B	GROUND
5	–	–
6	B	GROUND
7	–	–
8	–	–
9	Y	LOCK SWITCH
10	–	–

Connector No.	M101
Connector Name	AV CONTROL UNIT (WITHOUT BOSE AUDIO SYSTEM)
Connector Type	NH18FW-CS2
Connector Color	WHITE

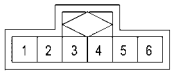
H.S.



Terminal No.	Color of Wire	Signal Name
1	–	–
2	W	FR SP LH (+)
3	P	FR SP LH (-)
4	GR	RR SP LH (+)
5	BR	RR SP LH (-)
6	–	–
7	W	ACC
8	L	CAN-H
9	V	ILL (+), LIGHT SW
10	–	–
11	G	FR SP RH (+)
12	V	FR SP RH (-)
13	LG	RR SP RH (+)
14	Y	RR SP RH (-)
15	–	–
16	–	–
17	R	CAN-L
18	G	SPEED SIGNAL
19	L	BAT
20	B	GND

Connector No.	M104
Connector Name	AUX IN JACK
Connector Type	A06FGY
Connector Color	GRAY

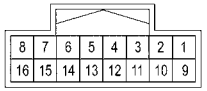
H.S.



Terminal No.	Color of Wire	Signal Name
1	L	AUX L
2	G	AUX R
3	Y	AUX GND
4	–	–
5	W	ILL CONT OUT
6	GR	GROUND

Connector No.	M107
Connector Name	CVT SHIFT SELECTOR
Connector Type	TH16FW-NH
Connector Color	WHITE

H.S.



Terminal No.	Color of Wire	Signal Name
1	P	O/D OFF SW
2	B	GROUND
3	R	–
4	B	GROUND
5	G	ILL CONT OUT
6	B	GROUND
7	LG	M RANGE
8	BR	AT SHIFT DOWN
9	BG	AT SHIFT UP
10	B	GROUND
11	SB	NOT M RANGE
12	L	O PWR ATDVC
13	G	I AT LOCKED IN PARK SW
14	–	–
15	–	–
16	–	–

AALIA6138GB

ILLUMINATION CONNECTORS

Connector No.	M108
Connector Name	AV CONTROL UNIT (WITH BOSE AUDIO SYSTEM)
Connector Type	NH18FW-CS2
Connector Color	WHITE

H.S.

19	10	11	12	13	14	15	16	17	18	20
	1	2	3	4	5	6	7	8	9	

Terminal No.	Color of Wire	Signal Name
1	BR	AMP ON
2	R	FR SP LH (+)
3	G	FR SP LH (-)
4	V	RR SP LH (+)
5	LG	RR SP LH (-)
6	–	–
7	W	ACC
8	L	CAN-H
9	V	ILL (+), LIGHT SW
10	B	PRE AMP SHIELD
11	R	FR SP RH (+)
12	W	FR SP RH (-)
13	L	RR SP RH (+)
14	Y	RR SP RH (-)
15	–	–
16	–	–
17	R	CAN-L
18	G	SPEED SIGNAL
19	L	BAT
20	B	GND

Connector No.	M156
Connector Name	WIRE TO WIRE
Connector Type	TH24FW-CS
Connector Color	WHITE

H.S.

12	11	10	9	8	7	6	5	4	3	2	1
24	23	22	21	20	19	18	17	16	15	14	13

Terminal No.	Color of Wire	Signal Name
1	B	TO ROOM LAMP HARNESS
2	W	TO ROOM LAMP HARNESS
3	SHIELD	TO ROOM LAMP HARNESS
4	R	TO ROOM LAMP HARNESS
5	–	TO ROOM LAMP HARNESS
6	Y	TO ROOM LAMP HARNESS
7	LG	TO ROOM LAMP HARNESS
8	L	TO ROOM LAMP HARNESS
9	R	TO ROOM LAMP HARNESS
10	–	TO ROOM LAMP HARNESS
11	–	TO ROOM LAMP HARNESS
12	–	TO ROOM LAMP HARNESS
13	SB	TO ROOM LAMP HARNESS
14	GR	TO ROOM LAMP HARNESS
15	SB	TO ROOM LAMP HARNESS
16	GR	TO ROOM LAMP HARNESS
17	V	TO ROOM LAMP HARNESS
18	G	TO ROOM LAMP HARNESS
19	SB	TO ROOM LAMP HARNESS
20	R	TO ROOM LAMP HARNESS
21	B	TO ROOM LAMP HARNESS
22	GR	TO ROOM LAMP HARNESS
23	–	TO ROOM LAMP HARNESS
24	–	TO ROOM LAMP HARNESS

Connector No.	M167
Connector Name	WIRE TO WIRE
Connector Type	NS16MW-CS
Connector Color	WHITE

H.S.

8	9	10	11	12	13	14	15	16
1	2	3		4	5	6	7	

Terminal No.	Color of Wire	Signal Name
1	V	TO FRONT DOOR LH HARNESS (WITH AUTOMATIC DRIVE POSITIONER)
2	R	TO FRONT DOOR LH HARNESS (WITH AUTOMATIC DRIVE POSITIONER)
3	G	TO FRONT DOOR LH HARNESS (WITH AUTOMATIC DRIVE POSITIONER)
4	BR	TO FRONT DOOR LH HARNESS (WITH AUTOMATIC DRIVE POSITIONER)
5	P	TO FRONT DOOR LH HARNESS (WITH AUTOMATIC DRIVE POSITIONER)
6	Y	TO FRONT DOOR LH HARNESS - (WITHOUT BOSE AUDIO SYSTEM)
6	LA/L	TO FRONT DOOR LH HARNESS - (WITH BOSE AUDIO SYSTEM)
7	R	TO FRONT DOOR LH HARNESS - (WITHOUT BOSE AUDIO SYSTEM)
7	LA/BR	TO FRONT DOOR LH HARNESS - (WITH BOSE AUDIO SYSTEM)
8	L	TO FRONT DOOR LH HARNESS
9	LA/BR	TO FRONT DOOR LH HARNESS
10	LA/GR	TO FRONT DOOR LH HARNESS
11	Y	TO FRONT DOOR LH HARNESS
12	BG	TO FRONT DOOR LH HARNESS
13	LA/G	TO FRONT DOOR LH HARNESS
14	LA/R	TO FRONT DOOR LH HARNESS
15	P	TO FRONT DOOR LH HARNESS
16	B	TO FRONT DOOR LH HARNESS

Connector No.	M168
Connector Name	WIRE TO WIRE
Connector Type	TH32MW-NH
Connector Color	WHITE

H.S.

17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

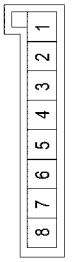
Terminal No.	Color of Wire	Signal Name
1	Y	TO FRONT DOOR LH HARNESS
2	GR	TO FRONT DOOR LH HARNESS
3	Y	TO FRONT DOOR LH HARNESS - (WITHOUT AUTOMATIC DRIVE POSITIONER)
3	SB	TO FRONT DOOR LH HARNESS - (WITH AUTOMATIC DRIVE POSITIONER)
4	V	TO FRONT DOOR LH HARNESS - (WITHOUT AUTOMATIC DRIVE POSITIONER)
4	BG	TO FRONT DOOR LH HARNESS - (WITH AUTOMATIC DRIVE POSITIONER)
5	BR	TO FRONT DOOR LH HARNESS - (WITHOUT AUTOMATIC DRIVE POSITIONER)
5	Y	TO FRONT DOOR LH HARNESS - (WITH AUTOMATIC DRIVE POSITIONER)
6	LG	TO FRONT DOOR LH HARNESS - (WITHOUT AUTOMATIC DRIVE POSITIONER)
6	V	TO FRONT DOOR LH HARNESS - (WITH AUTOMATIC DRIVE POSITIONER)
7	Y	TO FRONT DOOR LH HARNESS
8	V	TO FRONT DOOR LH HARNESS
9	BR	TO FRONT DOOR LH HARNESS
10	LG	TO FRONT DOOR LH HARNESS
11	L	TO FRONT DOOR LH HARNESS
12	Y	TO FRONT DOOR LH HARNESS
13	G	TO FRONT DOOR LH HARNESS
14	SHIELD	TO FRONT DOOR LH HARNESS
15	SB	TO FRONT DOOR LH HARNESS
16	BG	TO FRONT DOOR LH HARNESS
17	GR	TO FRONT DOOR LH HARNESS - (WITHOUT AUTOMATIC DRIVE POSITIONER)
17	SB	TO FRONT DOOR LH HARNESS - (WITH AUTOMATIC DRIVE POSITIONER)
18	W	TO FRONT DOOR LH HARNESS - (WITH AUTOMATIC DRIVE POSITIONER)
18	LA/SB	TO FRONT DOOR LH HARNESS - (WITHOUT AUTOMATIC DRIVE POSITIONER)
19	BR	TO FRONT DOOR LH HARNESS - (WITH AUTOMATIC DRIVE POSITIONER)
19	LA/GR	TO FRONT DOOR LH HARNESS - (WITHOUT AUTOMATIC DRIVE POSITIONER)
20	GR	TO FRONT DOOR LH HARNESS - (WITH AUTOMATIC DRIVE POSITIONER)
20	LA/V	TO FRONT DOOR LH HARNESS - (WITHOUT AUTOMATIC DRIVE POSITIONER)
21	BR	TO FRONT DOOR LH HARNESS
22	W	TO FRONT DOOR LH HARNESS
23	R	TO FRONT DOOR LH HARNESS - (WITH AUTOMATIC DRIVE POSITIONER)
23	LA/R	TO FRONT DOOR LH HARNESS - (WITHOUT AUTOMATIC DRIVE POSITIONER)
24	GR	TO FRONT DOOR LH HARNESS
25	R	TO FRONT DOOR LH HARNESS LED INDICATOR L
26	LA/G	TO FRONT DOOR LH HARNESS
27	LG	TO FRONT DOOR LH HARNESS
28	L	TO FRONT DOOR LH HARNESS
29	Y	TO FRONT DOOR LH HARNESS
30	V	TO FRONT DOOR LH HARNESS
31	G	TO FRONT DOOR LH HARNESS
32	P	TO FRONT DOOR LH HARNESS

AALIA6139GB

ILLUMINATION CONNECTORS

Connector No.	M170
Connector Name	JOINT CONNECTOR-M29
Connector Type	SAC08JW
Connector Color	WHITE

H.S.



Terminal No.	Color of Wire	Signal Name
1	B	GROUND
2	B	GROUND
3	B	GROUND
4	B	GROUND
5	B	GROUND
6	B	GROUND
7	B	GROUND
8	B	GROUND

Connector No.	M196
Connector Name	FRONT HEATED SEAT SWITCH RH
Connector Type	NS06FBR-CS
Connector Color	BROWN

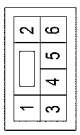
H.S.



Terminal No.	Color of Wire	Signal Name
1	G	ILL CONT OUT
2	B	GROUND
3	B	GROUND
4	LA/Y	HEATER LO
5	R	IGNITION
6	LA/W	HEATER HI

Connector No.	M197
Connector Name	FRONT HEATED SEAT SWITCH LH
Connector Type	NS06FW-CS
Connector Color	WHITE

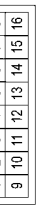
H.S.



Terminal No.	Color of Wire	Signal Name
1	L	ILL CONT OUT
2	B	GROUND
3	B	GROUND
4	LA/L	HEATER LO
5	G	IGNITION
6	LA/BR	HEATER HI

Connector No.	M251
Connector Name	WIRE TO WIRE
Connector Type	TH16MW-NH
Connector Color	WHITE

H.S.

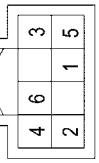


Terminal No.	Color of Wire	Signal Name
1	LG	TO MAIN HARNESS
2	B	TO MAIN HARNESS
3	W	TO MAIN HARNESS
4	B	TO MAIN HARNESS
5	B	TO MAIN HARNESS
6	BG	TO MAIN HARNESS
7	B	TO MAIN HARNESS
8	B	TO MAIN HARNESS
9	R	TO MAIN HARNESS
10	B	TO MAIN HARNESS
11	G	TO MAIN HARNESS
12	BG	TO MAIN HARNESS
13	BR	TO MAIN HARNESS
14	B	TO MAIN HARNESS
15	R	TO MAIN HARNESS

16	B	TO MAIN HARNESS

Connector No.	M255
Connector Name	WARNING SYSTEM SWITCH
Connector Type	TH08FW-NH
Connector Color	WHITE

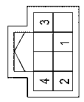
H.S.



Terminal No.	Color of Wire	Signal Name
1	W	BSW SW
2	B	GROUND
3	G	ILL CONT OUT
4	B	GROUND
5	BG	BATTERY
6	BR	BSW LED
7	-	-
8	-	-

Connector No.	M256
Connector Name	AUTOMATIC BACK DOOR SWITCH
Connector Type	TH08FG-NH
Connector Color	GREEN

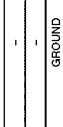
H.S.



Terminal No.	Color of Wire	Signal Name
1	LG	DRIVER SW
2	B	GROUND
3	R	ILL CONT OUT
4	B	GROUND
5	-	-
6	-	-
7	-	-
8	-	-

Connector No.	M257
Connector Name	AUTOMATIC BACK DOOR MAIN SWITCH
Connector Type	TH10FB-NH
Connector Color	BLACK

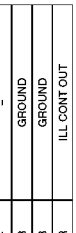
H.S.



Terminal No.	Color of Wire	Signal Name
1	BG	MAIN SW
2	B	GROUND
3	B	GROUND
4	R	ILL CONT OUT
5	-	-
6	-	-
7	-	-
8	-	-

Connector No.	R6
Connector Name	MAP LAMP ASSEMBLY
Connector Type	TH08FW-1V-NH
Connector Color	WHITE

H.S.



Terminal No.	Color of Wire	Signal Name
1	P	ROOM LAMP RELAY OUTPUT
2	SB	O PWM ROOMLAMP 1 (WITH MOONROOF)
3	SB	O PWM ROOMLAMP 1
4	-	-
5	-	-
6	B	GROUND
7	B	GROUND
8	R	ILL CONT OUT

AALIA6140GB

ILLUMINATION CONNECTORS

Connector No.	R11
Connector Name	WIRE TO WIRE
Connector Type	TH24MW-NH
Connector Color	WHITE

H.S.

1	2	3	4	5	6	7	8	9	10	11	12
13	14	15	16	17	18	19	20	21	22	23	24

Terminal No.	Color of Wire	Signal Name
1	B	TO MAIN HARNESS
2	W	TO MAIN HARNESS
3	SHIELD	TO MAIN HARNESS
4	SB	TO MAIN HARNESS
5	–	TO MAIN HARNESS
6	LG	TO MAIN HARNESS
7	LG	TO MAIN HARNESS
8	–	TO MAIN HARNESS
9	–	TO MAIN HARNESS
10	–	TO MAIN HARNESS
11	–	TO MAIN HARNESS
12	–	TO MAIN HARNESS
13	SB	TO MAIN HARNESS
14	P	TO MAIN HARNESS
15	–	TO MAIN HARNESS
16	–	TO MAIN HARNESS
17	–	TO MAIN HARNESS
18	–	TO MAIN HARNESS
19	SB	TO MAIN HARNESS
20	R	TO MAIN HARNESS
21	B	TO MAIN HARNESS
22	L	TO MAIN HARNESS
23	–	TO MAIN HARNESS
24	–	TO MAIN HARNESS

AALIA6149GB

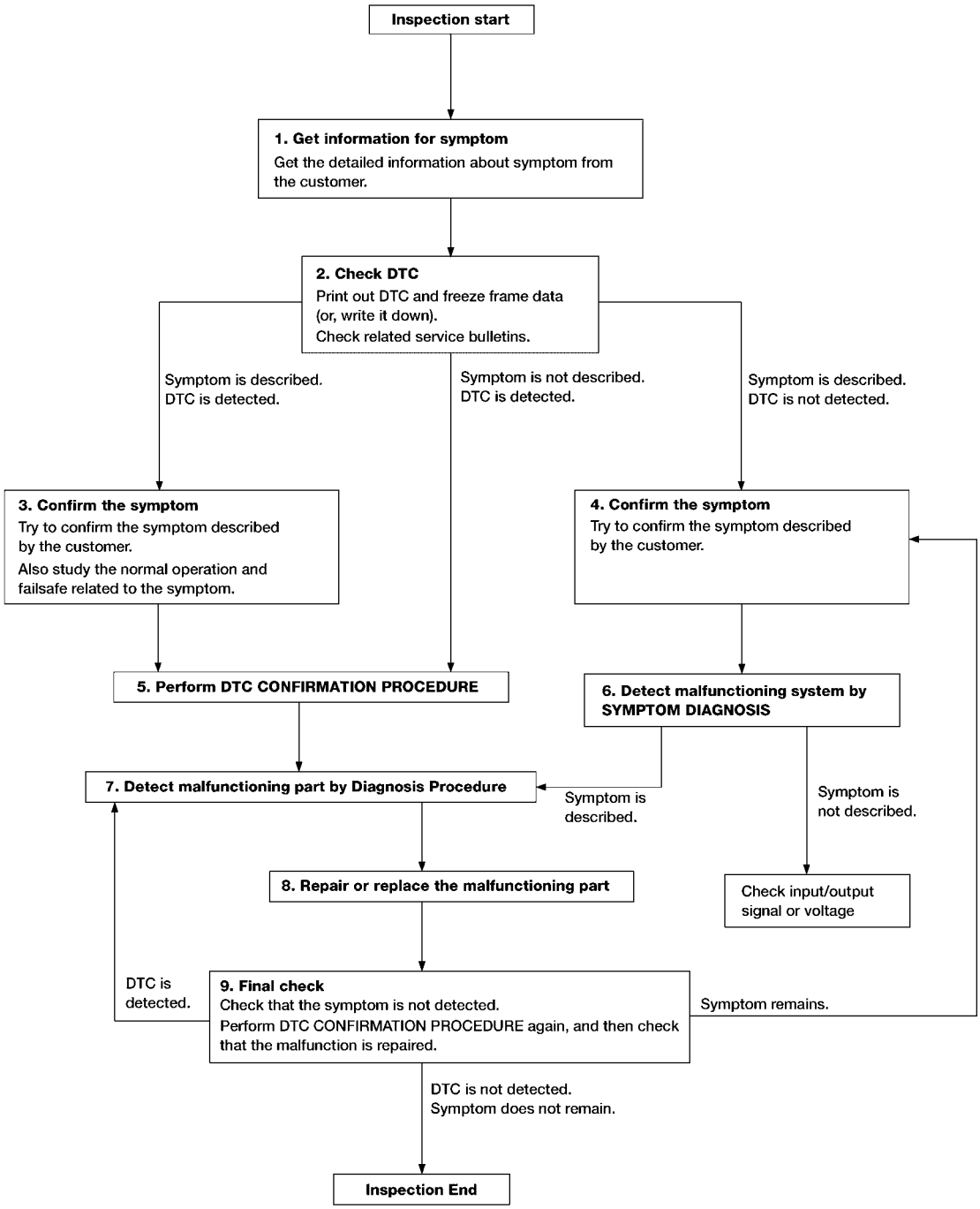
BASIC INSPECTION

DIAGNOSIS AND REPAIR WORKFLOW

Work Flow

INFOID:0000000014623319

OVERALL SEQUENCE



ALAIA0158GB

DETAILED FLOW

1.GET INFORMATION FOR SYMPTOM

1. Get detailed information from the customer about the symptom (the condition and the environment when the incident/malfunction occurs).
2. Check operation condition of the function that is malfunctioning.

>> GO TO 2.

2.CHECK DTC

1. Check DTC.
2. Perform the following procedure if DTC is detected:

- Record DTC and freeze frame data (Print them out using CONSULT.)
- Erase DTC.
- Study the relationship between the cause detected by DTC and the symptom described by the customer.

3. Check related service bulletins for information.

Are any symptoms described and any DTC detected?

Symptom is described, DTC is detected>>GO TO 3.
Symptom is described, DTC is not detected>>GO TO 4.
Symptom is not described, DTC is detected>>GO TO 5.

3.CONFIRM THE SYMPTOM

Try to confirm the symptom described by the customer.
Also study the normal operation and fail-safe related to the symptom.
Verify relation between the symptom and the condition when the symptom is detected.

>> GO TO 5.

4.CONFIRM THE SYMPTOM

Try to confirm the symptom described by the customer.
Verify relation between the symptom and the condition when the symptom is detected.

>> GO TO 6.

5.PERFORM DTC CONFIRMATION PROCEDURE

Perform DTC CONFIRMATION PROCEDURE for the detected DTC, and then check that DTC is detected again. At this time, always connect CONSULT to the vehicle, and check self diagnostic results in real time.

NOTE:

- Freeze frame data is useful if the DTC is not detected.
- Perform Component Function Check if DTC CONFIRMATION PROCEDURE is not included on Service Manual. This simplified check procedure is an effective alternative though DTC cannot be detected during this check.
  If the result of Component Function Check is NG, it is the same as the detection of DTC by DTC CONFIRMATION PROCEDURE.

Is DTC detected?

YES >> GO TO 7.
NO >> Check according to GI-54, "Intermittent Incident".

6.DETECT MALFUNCTIONING SYSTEM BY SYMPTOM DIAGNOSIS

Detect malfunctioning system according to SYMPTOM DIAGNOSIS based on the confirmed symptom in step 4, and determine the trouble diagnosis order based on possible causes and symptom.

Is the symptom described?

YES >> GO TO 7.
NO >> Monitor input data from related sensors or check voltage of related module terminals using CONSULT.

7.DETECT MALFUNCTIONING PART BY DIAGNOSTIC PROCEDURE

Inspect according to Diagnostic Procedure of the system.

Is malfunctioning part detected?

YES >> GO TO 8.
NO >> Check according to GI-54, "Intermittent Incident".

8. REPAIR OR REPLACE THE MALFUNCTIONING PART

1. Repair or replace the malfunctioning part.
2. Reconnect parts or connectors disconnected during Diagnostic Procedure again after repair and replacement.
3. Check DTC. If DTC is detected, erase it.

>> GO TO 9.

9. FINAL CHECK

When DTC is detected in step 2, perform DTC CONFIRMATION PROCEDURE again, and then check that the malfunction is repaired securely.
When symptom is described by the customer, refer to confirmed symptom in step 3 or 4, and check that the symptom is not detected.

Is DTC detected and does symptom remain?

YES-1 >> DTC is detected: GO TO 7.
YES-2 >> Symptom remains: GO TO 4.
NO >> Before returning the vehicle to the customer, always erase DTC.

DTC/CIRCUIT DIAGNOSIS

INTERIOR ROOM LAMP POWER SUPPLY CIRCUIT

Description

INFOID:0000000014623320

Provides the interior room lamp power supply. Also cuts the power supply when the interior room lamp battery saver is activating.

Component Function Check

INFOID:0000000014623321

1.CHECK INTERIOR ROOM LAMP POWER SUPPLY FUNCTION

CONSULT
1. Turn ignition switch ON.
2. Turn each interior room lamp ON:
- Map lamp assembly
- Room lamp
- Personal lamps 2nd row
- Luggage room lamp
3. Select “BATTERY SAVER” in “Active Test” mode of “BCM”.
4. With operating the test items, check that each interior room lamp turns ON/OFF.

Off : Interior room lamp OFF
On : Interior room lamp ON

Does each interior room lamp turn ON/OFF?

YES >> Interior room lamp power supply circuit is normal.
NO >> Refer to INL-43, "Diagnosis Procedure".

Diagnosis Procedure

INFOID:0000000014623322

1.CHECK INTERIOR ROOM LAMP POWER SUPPLY OUTPUT

CONSULT
1. Turn ignition switch ON.
2. Select “BATTERY SAVER” in “Active Test” mode of “BCM”.
3. With operating the test item, check continuity between BCM harness connector and ground.

BCM		(–)	Test item		Continuity
(+)					
Connector	Terminal				
M18	4	Ground	BATTERY SAVER	Off	No
				On	Yes

Is the inspection result normal?

YES >> GO TO 2.
NO >> Replace BCM. Refer to BCS-73, "Removal and Installation".

2.CHECK INTERIOR ROOM LAMP RELAY SIGNAL OPEN CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect the BCM connector and room lamp relay.
3. Check continuity between BCM harness connector and room lamp relay harness connector.

BCM		Room lamp relay		Continuity
Connector	Terminal	Connector	Terminal	
M18	4	M12	2	Yes

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace harnesses.

3.CHECK INTERIOR ROOM LAMP RELAY POWER SUPPLY CIRCUIT

1. Check voltage at room lamp relay harness connector.

Room lamp relay		Voltage (Approx.)
Connector	Terminal	
M12	1	Battery voltage
	3	

Is the inspection result normal?

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

4.CHECK INTERIOR ROOM LAMP RELAY POWER SUPPLY OUTPUT

1. Reconnect room lamp relay.
2. Check voltage at room lamp relay harness connector.

Room lamp relay		Voltage (Approx.)
Connector	Terminal	
M12	5	Battery voltage

Is the inspection result normal?

YES >> GO TO 5.
NO >> Replace room lamp relay.

5.CHECK INTERIOR ROOM LAMP RELAY POWER SUPPLY OUTPUT

1. Disconnect he following connectors:
- Room lamp relay M12
- Map lamp assembly R6
- Room lamp R15
- Personal lamps 2nd row R16
- Vanity lamp LH R14
- Vanity lamp RH R10
- Luggage room lamp B118

2. Check continuity between room lamp relay connector M12 and interior room lamp connector in question.

Room lamp relay		Each interior room lamp			Continuity
Connector	Terminal	Connector		Terminal	
M12	5	Map lamp assembly	R6	1	Yes
		Room lamp	R15	2	
		Personal lamps 2nd row	R16	2	
		Vanity lamp LH	R14	1	
		Vanity lamp RH	R10	1	
		Luggage room lamp	R23	2	

Is the inspection result normal?

YES >> GO TO 6.
NO >> Repair or replace harnesses.

6.CHECK INTERIOR ROOM LAMP RELAY POWER SUPPLY OUTPUT SHORT CIRCUIT

Check continuity between room lamp relay and ground.

Room lamp relay		(–)	Continuity
Connector	Terminal		
M12	5	Ground	No

Is the inspection result normal?

YES >> Check that each interior lamp has no internal short circuit.
NO >> Repair or replace harnesses.

INTERIOR ROOM LAMP CONTROL CIRCUIT

Description

INFOID:0000000014623323

Controls each interior room lamp (ground side) by PWM signal.
NOTE:
PWM signal control period is approximately 250 Hz (in the gradual brightening/dimming).

Component Function Check

INFOID:0000000014623324

CAUTION:
Before performing the diagnosis, check that the following is normal:
- **Interior room lamp power supply**
- **Map lamp bulb**
- **Room lamp bulb**

1.CHECK INTERIOR ROOM LAMP CONTROL FUNCTION

CONSULT
1. Switch the map lamp switch and room lamp switch to DOOR.
2. Turn ignition switch ON.
3. Select “INT LAMP” in “Active Test” mode of “BCM”.
4. With operating the test items, check that each interior room lamp turns ON/OFF (gradual brightening/dimming).

On : Interior room lamp gradual brightening
Off : Interior room lamp gradual dimming

Does the interior room lamp turns ON/OFF (gradual brightening/dimming)?

YES >> Interior room lamp control circuit is normal.
NO >> Refer to INL-46, "Diagnosis Procedure".

Diagnosis Procedure

INFOID:0000000014623325

1.CHECK INTERIOR ROOM LAMP CONTROL OUTPUT

CONSULT
1. Turn ignition switch OFF.
2. Remove all the bulbs of map lamp and room lamp.
3. Turn ignition switch ON.
4. Select “INT LAMP” in “Active Test” of “BCM”.
5. With operating the test item, check continuity between BCM harness connector and ground.

BCM		(–)	Test item		Continuity
Connector	Terminal				
M20	162	Ground	INT LAMP	On	Yes
				Off	No

Is the inspection result normal?

YES >> GO TO 2.
Fixed ON>>GO TO 3.
Fixed OFF>>Replace BCM. Refer to BCS-73, "Removal and Installation".

2.CHECK INTERIOR ROOM LAMP CONTROL OPEN CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect BCM connector, map lamp assembly and room lamp connector.
3. Check continuity between BCM harness connector and map lamp assembly harness connector.

BCM		Map lamp assembly		Continuity
Connector	Terminal	Connector	Terminal	
M20	162	R6	3	Yes

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

BCM		Room lamp		Continuity
Connector	Terminal	Connector	Terminal	
M20	162	R15	1	Yes

Is the inspection result normal?

YES >> Replace map lamp assembly or room lamp.
NO >> Repair or replace harnesses.

3. CHECK INTERIOR ROOM LAMP CONTROL SHORT CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect BCM connector, map lamp assembly connector and room lamp connector.
3. Check continuity between BCM harness connector and ground.

BCM		(–)	Continuity
Connector	Terminal		
M20	162	Ground	No

Is the inspection result normal?

YES >> Replace BCM. Refer to BCS-73, "Removal and Installation".
NO >> Repair or replace harnesses.

LUGGAGE ROOM LAMP CIRCUIT

Description

INFOID:0000000014623326

Controls the luggage room lamp (ground side) to turn the luggage room lamp ON and OFF.

Diagnosis Procedure

INFOID:0000000014623327

CAUTION:

Before performing the diagnosis, check that the following is normal:

- **Interior room lamp power supply**
- **Luggage room lamp bulb**

1.CHECK LUGGAGE ROOM LAMP OUTPUT

1. Turn ignition switch OFF.
2. Remove the luggage room lamp bulb.
3. Check continuity between BCM harness connector and ground.

BCM		(–)	Condition		Continuity
Connector	Terminal				
B23	151	Ground	Back door	Open	Yes
				Closed	No

Is the inspection result normal?

YES >> GO TO 2.
Fixed ON>>GO TO 3.
Fixed OFF>>Replace BCM. Refer to BCS-73, "Removal and Installation".

2.CHECK LUGGAGE ROOM LAMP OPEN CIRCUIT

1. Disconnect BCM connector.
2. Check continuity between BCM harness connector and luggage room lamp harness connector.

BCM		Luggage room lamp		Continuity
Connector	Terminal	Connector	Terminal	
B23	151	R23	3	Yes

Is the inspection result normal?

YES >> Replace luggage room lamp.
NO >> Repair or replace harnesses.

3.CHECK LUGGAGE ROOM LAMP SHORT CIRCUIT

1. Disconnect BCM connector.
2. Check continuity between BCM harness connector and ground.

BCM		(–)	Continuity
Connector	Terminal		
B23	151	Ground	No

Is the inspection result normal?

YES >> Replace BCM. Refer to BCS-73, "Removal and Installation".
NO >> Repair or replace harnesses.

PUSH-BUTTON IGNITION SWITCH ILLUMINATION CIRCUIT

Description

INFOID:0000000014623328

Provides the power supply and the ground to control the push button ignition switch illumination.

Component Function Check

INFOID:0000000014623329

1.CHECK PUSH-BUTTON IGNITION SWITCH ILLUMINATION OPERATION

CONSULT
1. Turn the ignition switch ON.
2. Select “ENGINE SW ILLUMI” in “Active Test” of “BCM”.
3. With operating the test items, check that the push-button ignition switch illumination turns ON/OFF.

On : Push button ignition switch illumination ON
Off : Push button ignition switch illumination OFF

Does the push-button ignition switch illumination turn ON/OFF?

YES >> Push-button ignition switch illumination circuit is normal.
NO >> Refer to INL-49, "Diagnosis Procedure".

Diagnosis Procedure

INFOID:0000000014623330

1.CHECK PUSH-BUTTON ILLUMINATION POWER SUPPLY OUTPUT

1. Turn ignition switch OFF.
2. Disconnect push-button ignition switch connector.
3. Check voltage between push-button ignition switch harness connector and ground.

(+)		(–)	Condition		Voltage (Approx.)
Push-button ignition switch					
Connector	Terminal				
M17	8	Ground	Push-button ignition switch illumination	ON	Battery voltage
				OFF	0 V

Is the inspection result normal?

YES >> GO TO 4.
NO >> GO TO 2.

2.CHECK PUSH-BUTTON IGNITION SWITCH ILLUMINATION POWER SUPPLY OPEN CIRCUIT

1. Turn the ignition switch OFF.
2. Disconnect BCM connector.
3. Check continuity between BCM harness connector and the push-button ignition switch harness connector.

BCM		Push-button ignition switch		Continuity
Connector	Terminal	Connector	Terminal	
M19	88	M17	8	Yes

Is the inspection result normal?

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

3.CHECK PUSH-BUTTON IGNITION SWITCH ILLUMINATION POWER SUPPLY SHORT CIRCUIT

Check continuity between BCM harness connector and ground.

BCM		(–)	Continuity
Connector	Terminal		
M19	88	Ground	No

Is the inspection result normal?

YES >> Replace BCM. Refer to BCS-73, "Removal and Installation".
NO >> Repair or replace harnesses.

4. CHECK PUSH-BUTTON IGNITION SWITCH ILLUMINATION GROUND CIRCUIT

1. Turn the ignition switch OFF.
2. Check continuity between push-button ignition switch harness connector and ground.

Push-button ignition switch		(–)	Continuity
Connector	Terminal		
M17	7	Ground	Yes

Is the inspection result normal?

YES >> Replace push-button ignition switch. Refer to PCS-102, "Removal and Installation".
NO >> Repair or replace harnesses.

SYMPTOM DIAGNOSIS

INTERIOR LIGHTING SYSTEM SYMPTOMS

Symptom Table

INFOID:0000000014623331

CAUTION:
Perform the “Self Diagnostic Result” with CONSULT before the symptom diagnosis. Perform the trouble diagnosis if any DTC is detected.

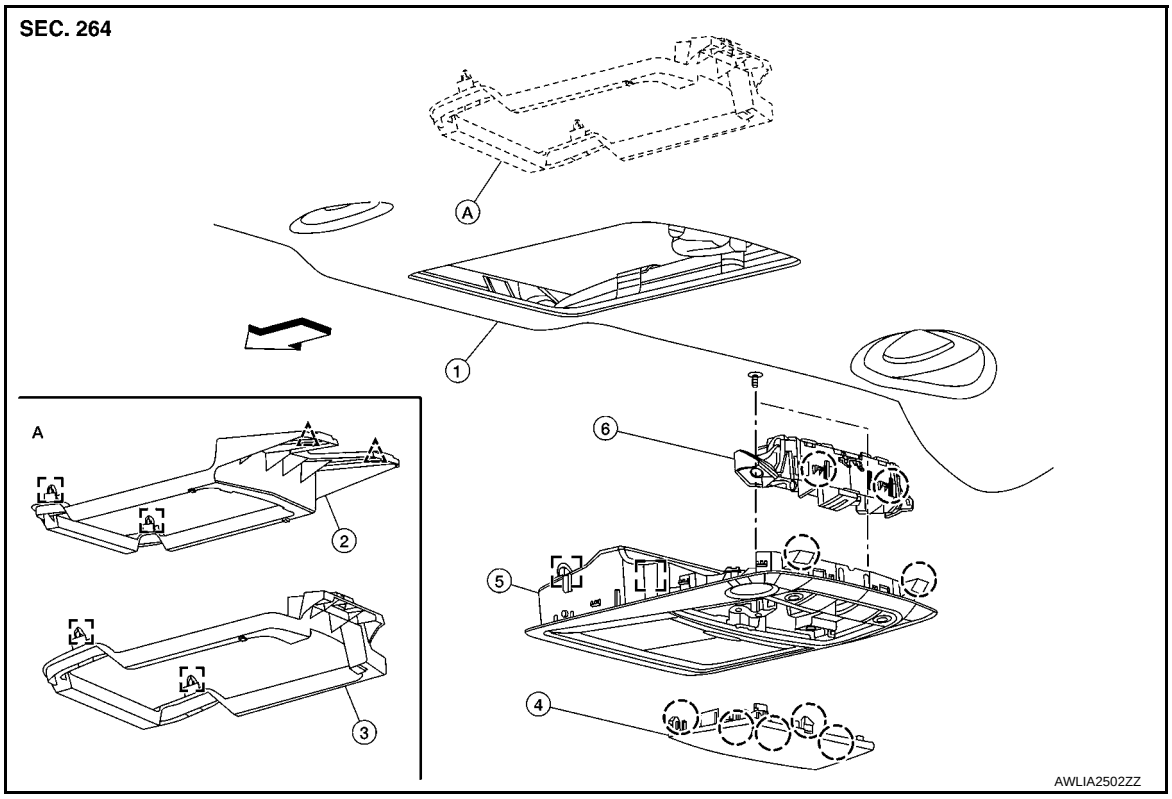
Symptom	Possible cause	Inspection item
All the following lamps do not turn ON: • Map lamp assembly • Room lamp • Luggage room lamp	• Harness between BCM and each interior room lamp • BCM	Interior room lamp power supply circuit Refer to INL-43.
• Interior room lamp does not turn ON even though the door is open. (It turns ON when turning the interior room lamp ON.) • Interior room lamp does not turn OFF even though the door is closed.	• Harness between BCM and each door switch • Harness between BCM and each interior room lamp • BCM	Door switch circuit Refer to DLK-206, "Component Function Check".
		Interior room lamp control circuit Refer to INL-46.
Interior room lamp timer does not activate. (It turns ON/ OFF when the door opens/closes.)	—	Check the interior room lamp setting. Refer to INL-9, "INTERIOR ROOM LAMP BATTERY SAVER SYSTEM : System Description".
• Luggage room lamp does not turn ON even though the back door is open. • Luggage room lamp does not turn OFF even though the back door is closed.	• Harness between BCM and back door switch • Harness between BCM and luggage room lamp • BCM	Back door switch circuit Refer to DLK-206, "Component Function Check".
		Luggage room lamp circuit Refer to INL-48.
Push-button ignition switch illumination does not illuminate.	• Harness between BCM and push-button ignition switch • BCM	Push-button ignition switch illumination circuit Refer to INL-49.
Interior room lamp battery saver does not activate.	BCM	Replace BCM. Refer to BCS-73, "Removal and Installation".

REMOVAL AND INSTALLATION

MAP LAMP ASSEMBLY

Exploded View

INFOID:0000000014623332



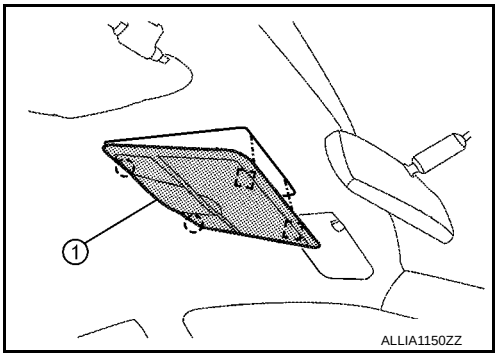
1. Headlining	2. Map lamp assembly bracket (without moonroof)	3. Map lamp assembly bracket (with moonroof)
4. Moonroof switch finisher	5. Map lamp assembly	6. Map lamp
Metal clip	Clip	Pawl
Front		

Removal and Installation

INFOID:0000000014623333

REMOVAL

1. Lower front edge of map lamp assembly (1) down from the headlining by releasing the metals clips, then slide forward to clear pawls at rear.
   : Metal clip
   : Pawl



2. Disconnect the harness connectors from map lamp assembly and remove.

INSTALLATION

Installation is in the reverse order of removal.

CAUTION:

Visually check the metal clips and pawls for deformation and damage during installation. Replace if necessary.

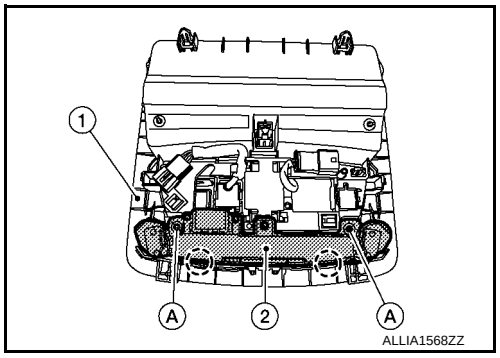
Bulb Replacement

INFOID:0000000014623334

NOTE:
The map lamp bulbs are replaced as part of the map lamp.

REMOVAL

1. Remove the map lamp assembly. Refer to INL-52, "Removal and Installation".
2. Remove screws (A) from map lamp (2).
3. Release pawls and remove map lamp from the map lamp assembly (1).
   ◌: Pawl



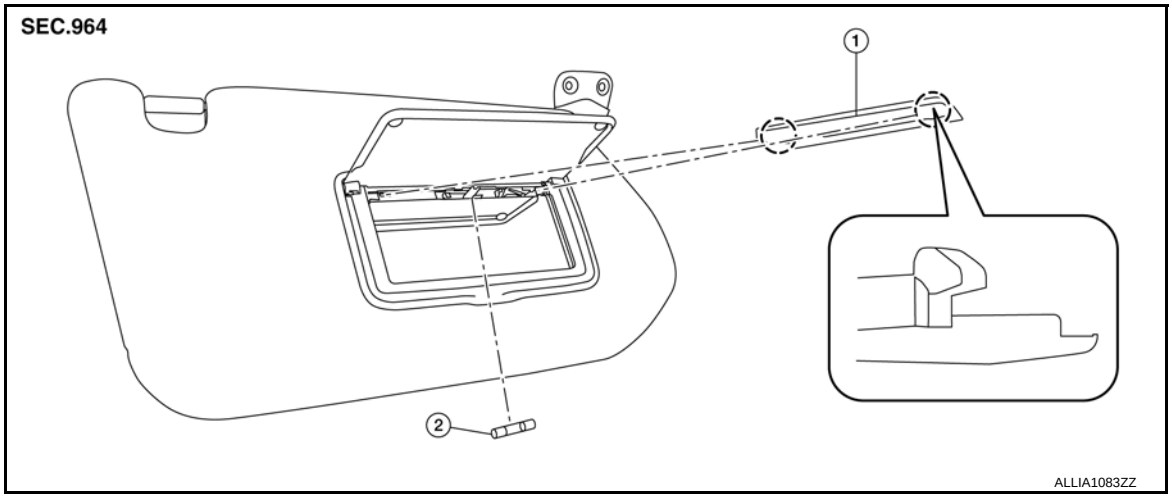
INSTALLATION

Installation is in the reverse order of removal.

VANITY MIRROR LAMP

Exploded View

INFOID:0000000014623335



1. Lens
2. Bulb
Pawl

Removal and Installation

INFOID:0000000014623336

CAUTION:
Do not attempt to separate the vanity lamp from the sun visor or damage to the components may occur.
The vanity lamp is replaced as part of the sun visor. Refer to INT-28, "Exploded View".

Bulb or Lens Replacement

INFOID:0000000014623337

WARNING:
Do not touch the glass surface of a bulb while it is lit or right after being turned OFF to prevent burns.
CAUTION:
- **Do not touch the glass of bulb directly by hand. Keep grease and other oily substances away from bulb surface.**
- **Do not leave bulb out of lamp reflector for a long time because dust, moisture, smoke, etc. may affect the performance of lamp.**
- **Do not attempt to separate the vanity lamp from the sun visor or damage to the components may occur.**

1. Insert a suitable tool into the gap between the lens and vanity mirror lamp, then release the lens pawls and remove.
2. Grasp the vanity mirror lamp bulb and pull straight out of the vanity mirror lamp to remove.
3. Install vanity mirror lamp bulb to vanity mirror lamp.
4. Install the vanity mirror lamp lens.

GLOVE BOX LAMP

Removal and Installation

INFOID:0000000014896585

The glove box lamp is serviced as part of the glove box assembly and housing. Refer to IP-23, "Removal and Installation".

Bulb Replacement

INFOID:0000000014896584

GLOVE BOX LAMP BULB

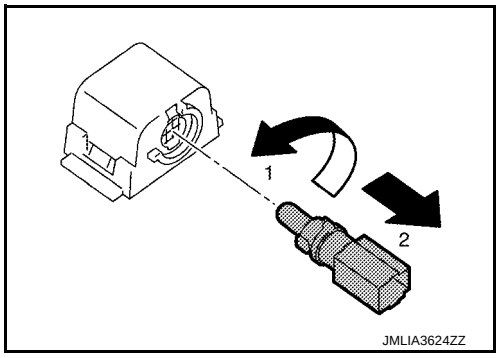
WARNING:

Do not touch the glass surface of a bulb while it is lit or right after being turned OFF to prevent burns.

CAUTION:

- **Do not touch the glass of bulb directly by hand. Keep grease and other oily substances away from bulb surface.**
- **Do not leave bulb out of reflector for a long time because moisture, smoke, etc. may affect the performance of lamp.**

1. Remove glove box assembly and housing. Refer to IP-23, "Removal and Installation".
2. Remove the glove box lamp bulb and socket by rotating and pulling as shown.



ROOM LAMP

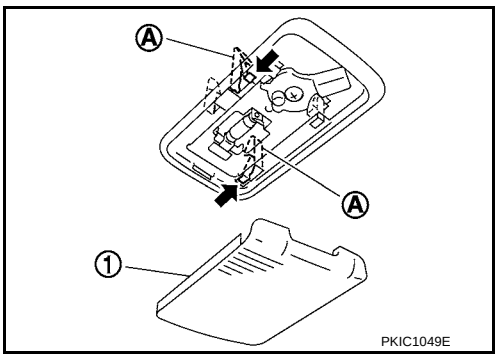
Removal and Installation

INFOID:0000000014623338

WARNING:
Do not touch the glass surface of a bulb while it is lit or right after being turned OFF to prevent burns.
CAUTION:
- **Do not touch the glass of bulb directly by hand. Keep grease and other oily substances away from bulb surface.**
- **Do not leave bulb out of reflector for a long time because moisture, smoke, etc. may affect the performance of lamp.**

REMOVAL

1. Lower lens (1) and room lamp as an assembly by releasing room lamp metal clips (A) using a suitable tool.
2. Disconnect the harness connector from the room lamp and remove.



INSTALLATION

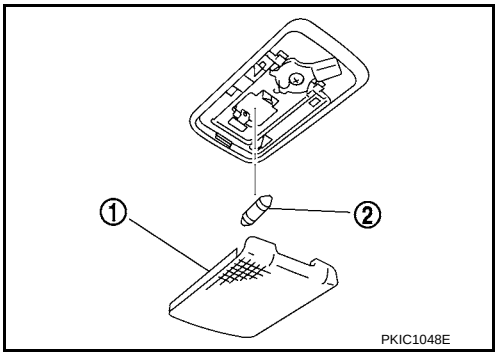
Installation is in the reverse order of removal.

Bulb Replacement

INFOID:0000000014623339

WARNING:
Do not touch the glass surface of a bulb while it is lit or right after being turned OFF to prevent burns.
CAUTION:
- **Do not touch the glass of bulb directly by hand. Keep grease and other oily substances away from bulb surface.**
- **Do not leave bulb out of reflector for a long time because moisture, smoke, etc. may affect the performance of lamp.**

1. Remove lens (1) by inserting suitable tool and releasing LH side (switch side) first.
2. Remove room lamp bulb (2).
3. Install room lamp bulb (2).
4. Install room lamp lens (1).
   NOTE:
   Insert the lens hook end (RH side) first to install lens.



PERSONAL LAMP

Removal and Installation

INFOID:0000000014623340

The personal lamp is serviced as part of headlining. Refer to INT-29, "Removal and Installation".

Bulb or Lens Replacement

INFOID:0000000014623341

WARNING:
Do not touch the glass surface of a bulb while it is lit or right after being turned OFF to prevent burns.
CAUTION:
- **Do not touch the glass of bulb directly by hand. Keep grease and other oily substances away from bulb surface.**
- **Do not leave bulb out of lamp reflector for a long time because dust, moisture, smoke, etc. may affect the performance of lamp.**
- **Do not attempt to separate the personal lamp from the headlining or damage may occur.**

1. Insert a suitable tool into the gap between the lens and personal lamp, then gently release the lens pawls and remove.
2. Grasp the bulb and pull straight out from its socket to remove.
3. Install personal lamp bulb to personal lamp.
4. Install the personal lamp lens.

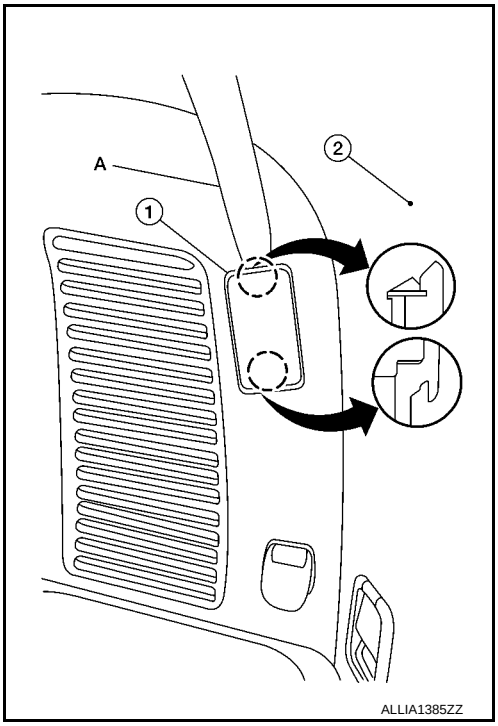
LUGGAGE ROOM LAMP

Removal and Installation

INFOID:0000000014623342

REMOVAL

1. Insert a suitable tool (A) into the gap between the luggage lower finisher (RH) (2) and the top of luggage room lamp (1) to release the pawl.
   ◌: Pawl



2. Disconnect the harness connector from the luggage room lamp and remove.

INSTALLATION

Installation is in the reverse order of removal.

Bulb Replacement

INFOID:0000000014623343

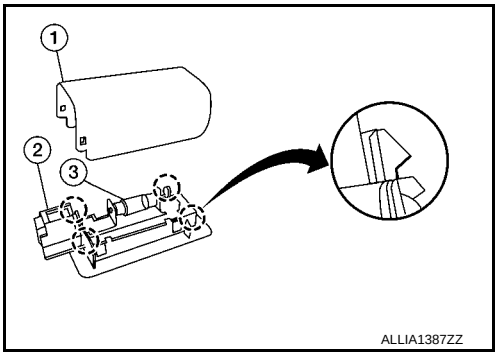
WARNING:

Do not touch the glass surface of a bulb while it is lit or right after being turned OFF to prevent burns.

CAUTION:

- **Do not touch the glass of bulb directly by hand. Keep grease and other oily substances away from bulb surface.**
- **Do not leave bulb out of lamp reflector for a long time because dust, moisture, smoke, etc. may affect the performance of lamp.**

1. Remove luggage room lamp. Refer to INL-58, "Removal and Installation".
2. Release pawls using a suitable tool and remove luggage room lamp cover (1).
   ◌: Pawl
3. Push the tab to release one bulb end, then grasp the luggage room lamp bulb (3) and pull out the second end to remove.
4. Install luggage room lamp bulb (3) to luggage room lamp (2).
5. Install luggage room lamp cover (1).



6. Install luggage room lamp. Refer to Refer to INL-58, "Removal and Installation".

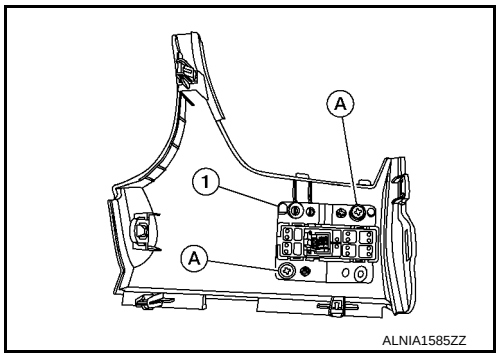
METER CONTROL SWITCH

Removal and Installation

INFOID:0000000014623344

REMOVAL

1. Remove the instrument finisher A. Refer to IP-15, "INSTRUMENT FINISHER A : Removal and Installation".
2. Remove the screws (A) and the meter control switch (1).



INSTALLATION

Installation is in the reverse order of removal.

SERVICE DATA AND SPECIFICATIONS (SDS)

SERVICE DATA AND SPECIFICATIONS (SDS)

Bulb Specifications

INFOID:0000000014623345

Item	Wattage (W)*
Map lamp	(–)
Room lamp (if equipped)	8
Vanity mirror lamp	1.8
Glove box lamp	(–)
Personal lamp (if equipped)	8
Luggage room lamp	5

*:Always check with the parts department for the latest parts information.