SECTION INL
INTERIOR LIGHTING SYSTEM

CONTENTS

PRECAUTION

PRECAUTIONS

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

INFOID:0000000011279192

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, all maintenance must be performed by an authorized NISSAN/INFINITI dealer.**
- **Improper maintenance, 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 Airbag Diagnosis Sensor Unit or other Airbag 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 and wait at least three minutes before performing any service.**

Precaution for Work

INFOID:0000000011279193

- 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.

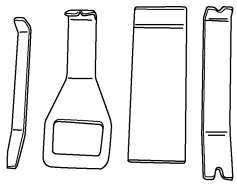
PREPARATION

PREPARATION

Special Service Tool

INFOID:0000000011279194

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

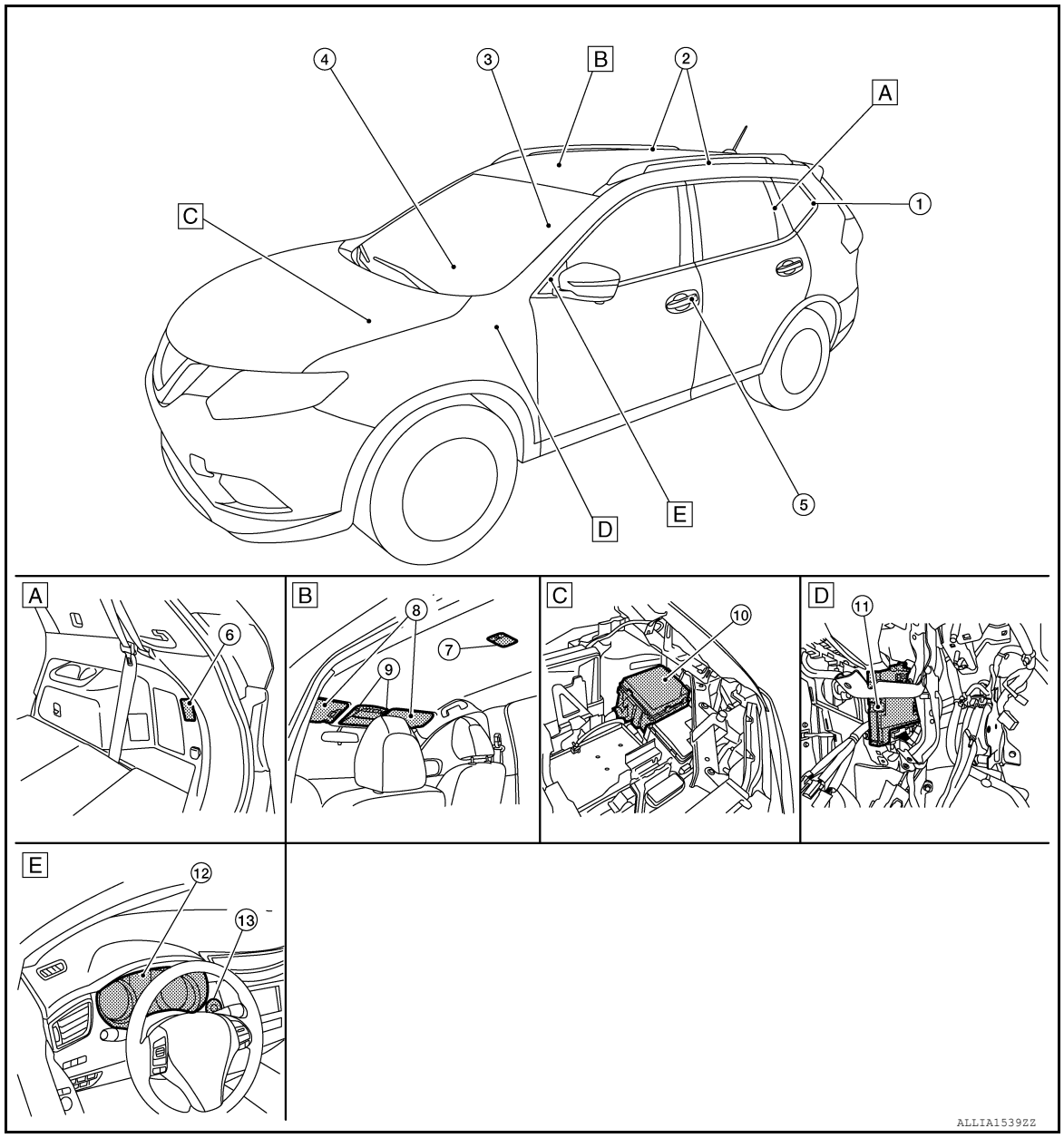
Tool number (TechMate No.) Tool name	Description
— (J-46534) Trim Tool Set  AWJIA0483ZZ	Removing trim components

SYSTEM DESCRIPTION

COMPONENT PARTS

Component Parts Location

INFOID:0000000011279195



A. Rear luggage area (RH)
B. Front headliner area
C. Engine compartment (LH)
D. Left side of instrument panel (view with finish panel removed)
E. Instrument panel (LH)

No.	Part	Description
1.	Back door lock assembly (back door switch)	Refer to DLK-20, "Back Door Lock Assembly".
2.	Personal lamps 2nd row	Refer to INL-62, "Bulb Specifications".
3.	Front door switch (RH)	Refer to DLK-23, "Front Door Request Switch (RH)".
4.	Optical sensor	Refer to EXL-10, "Optical Sensor".

No.	Part	Description
5.	Front door switch (LH)	Refer to DLK-23, "Front Door Request Switch (LH)".
6.	Luggage room lamp	Refer to INL-62, "Bulb Specifications".
7.	Room lamp	Refer to INL-62, "Bulb Specifications".
8.	Vanity mirror lamps	Refer to INL-62, "Bulb Specifications".
9.	Map lamp assembly	Refer to INL-62, "Bulb Specifications".
10.	IPDM E/R	Controls 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.
11.	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-7, "BODY CONTROL SYSTEM : Component Parts Location" (with Intelligent Key system) or BCS-79, "BODY CONTROL SYSTEM : Component Parts Location" (without Intelligent Key system) for detailed installation location.

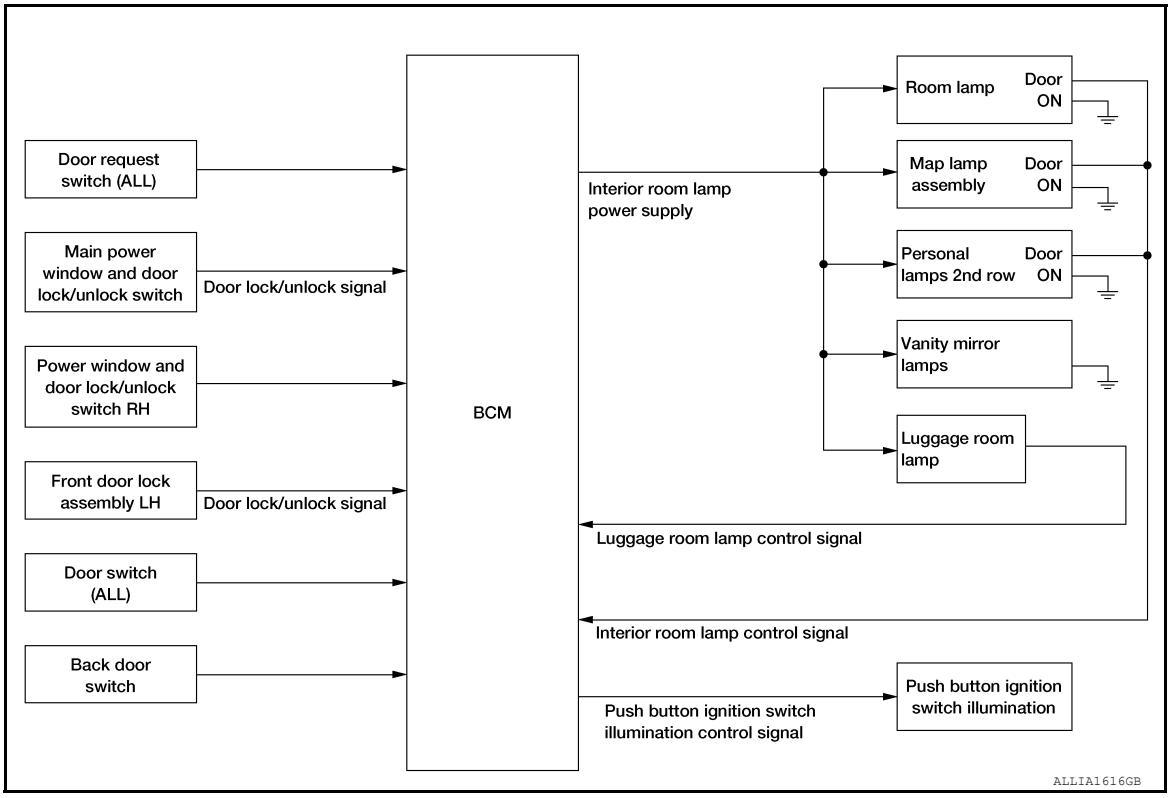
SYSTEM

INTERIOR ROOM LAMP CONTROL SYSTEM

INTERIOR ROOM LAMP CONTROL SYSTEM : System Description

INFOID:0000000011279196

SYSTEM DIAGRAM

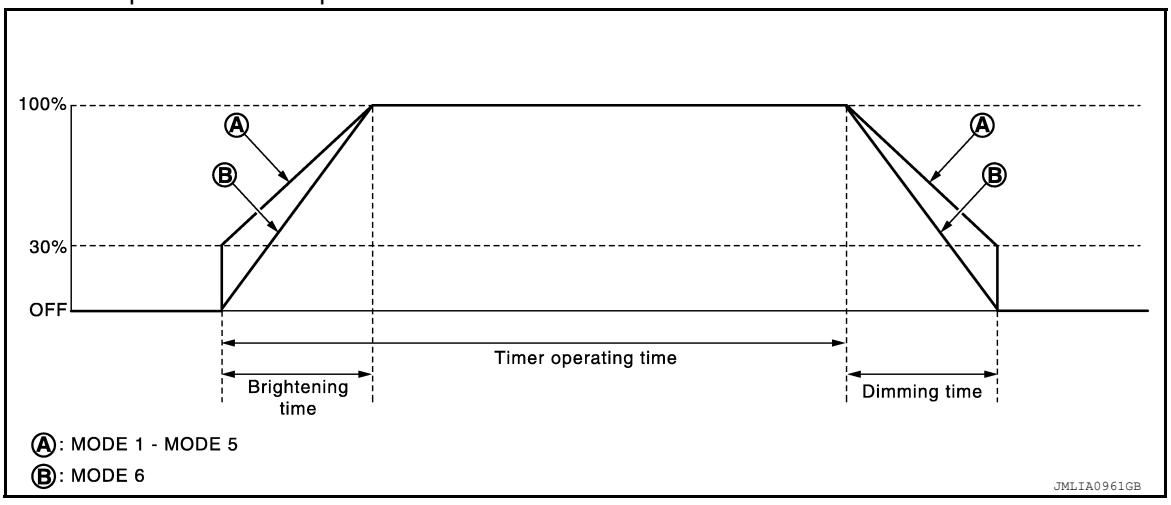


OUTLINE

- 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)" (with Intelligent Key system) or BCS-89, "INT LAMP : CONSULT Function (BCM - INT LAMP)" (without Intelligent Key system).

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

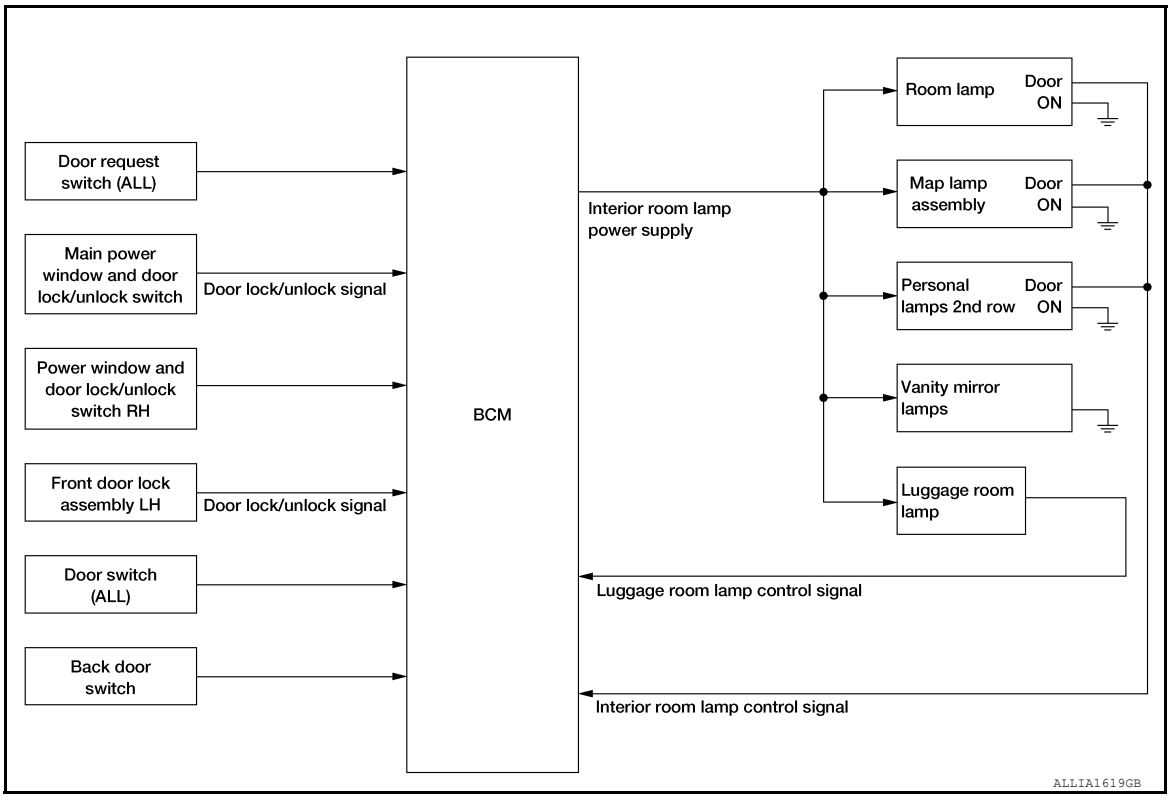
Push Button Ignition Switch Illumination OFF Operation
BCM turns the push button ignition switch illumination OFF in any of the following conditions:
- The push button ignition switch illumination ON conditions are not satisfied.
- Any of the following conditions with the ignition switch OFF:
- The push 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:0000000011279197

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:

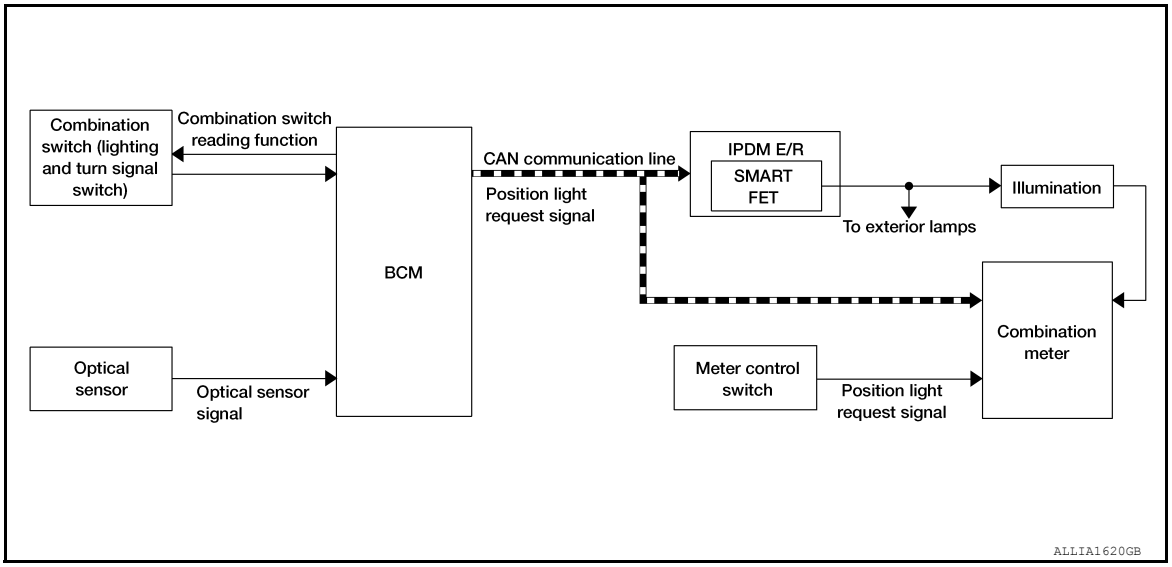
Each function of interior room lamp battery saver can be set by CONSULT. Refer to BCS-18, "INT LAMP : CONSULT Function (BCM - INT LAMP)" (with Intelligent Key system) or BCS-89, "INT LAMP : CONSULT Function (BCM - INT LAMP)" (without Intelligent Key system).

ILLUMINATION CONTROL SYSTEM

ILLUMINATION CONTROL SYSTEM : System Description

INFOID:0000000011279198

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

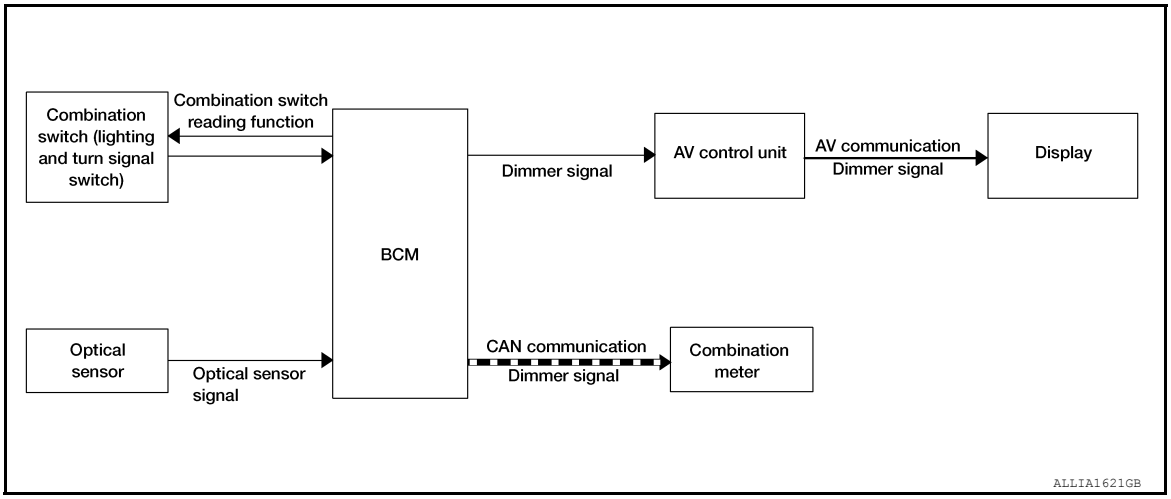
- IPDM E/R turns each illumination lamp ON according to position light request signal. It provides the power supply to each illumination lamp.
- Combination meter enters in the nighttime mode according to position light request signal. Under the night-time mode the combination meter controls the illuminance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

AUTO LIGHT ADJUSTMENT SYSTEM

AUTO LIGHT ADJUSTMENT SYSTEM : System Description

INFOID:0000000011279199

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)" (with Intelligent Key system) or BCS-90, "HEADLAMP : CONSULT Function (BCM - HEADLAMP)" (without Intelligent Key system).

DIAGNOSIS SYSTEM (BCM) (WITH INTELLIGENT KEY SYSTEM)
COMMON ITEM

COMMON ITEM : CONSULT Function (BCM - COMMON ITEM)

INFOID:0000000011403305

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			×				
Air conditioner	AIR CONDITIONER				×			

INT LAMP

INT LAMP : CONSULT Function (BCM - INT LAMP)

INFOID:0000000011403306

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:0000000011403307

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.

Monitor Item [Unit]	Description
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
BATTERY SAVER	This test is able to check battery saver operation [On/Off].

DIAGNOSIS SYSTEM (BCM) (WITHOUT INTELLIGENT KEY SYSTEM) COMMON ITEM

COMMON ITEM : CONSULT Function (BCM - COMMON ITEM)

INFOID:0000000011403308

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			×	×	×		
Remote keyless entry system	MULTI REMOTE ENT					×		
Exterior lamp	HEADLAMP			×	×			
Wiper and washer	WIPER			×	×	×		
Turn signal and hazard warning lamps	FLASHER			×	×			
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			×				
TPMS	AIR PRESSURE MONITOR		×	×	×	×		

INT LAMP

INT LAMP : CONSULT Function (BCM - INT LAMP)

INFOID:0000000011403309

DATA MONITOR

Monitor Item [Unit]	Description
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.

*: Initial setting

BATTERY SAVER

BATTERY SAVER : CONSULT Function (BCM - BATTERY SAVER)

INFOID:0000000011403310

DATA MONITOR

Monitor Item [Unit]	Description
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
BATTERY SAVER	This test is able to check battery saver operation [On/Off].

ECU DIAGNOSIS INFORMATION

BCM

List of ECU Reference

INFOID:0000000011279206

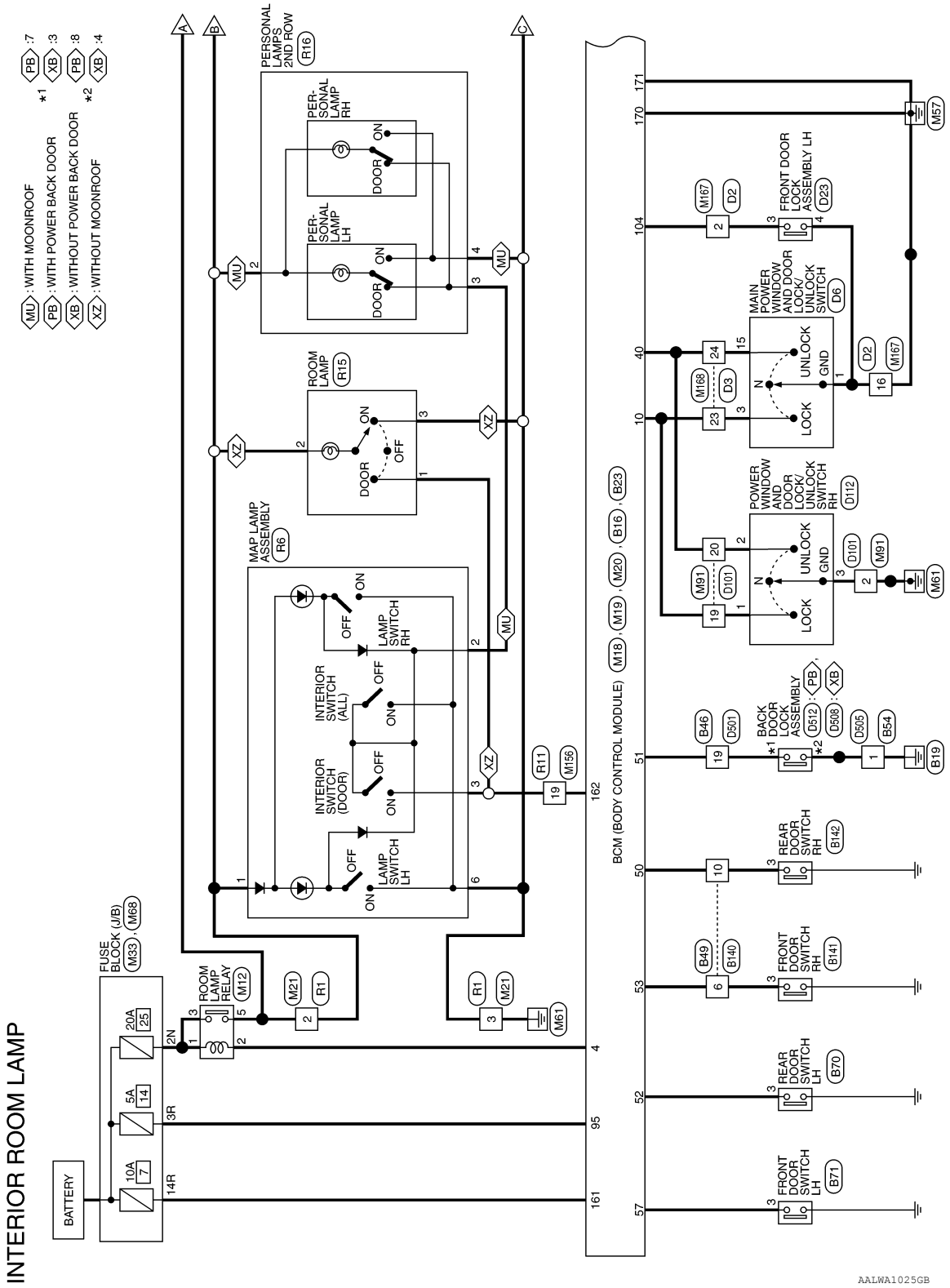
ECU	Reference
BCM (with Intelligent Key system)	BCS-28, "Reference Value"
	BCS-46, "Fail Safe"
	BCS-46, "DTC Inspection Priority Chart"
	BCS-47, "DTC Index"
BCM (without Intelligent Key system)	BCS-96, "Reference Value"
	BCS-107, "Fail Safe"
	BCS-107, "DTC Inspection Priority Chart"
	BCS-108, "DTC Index"

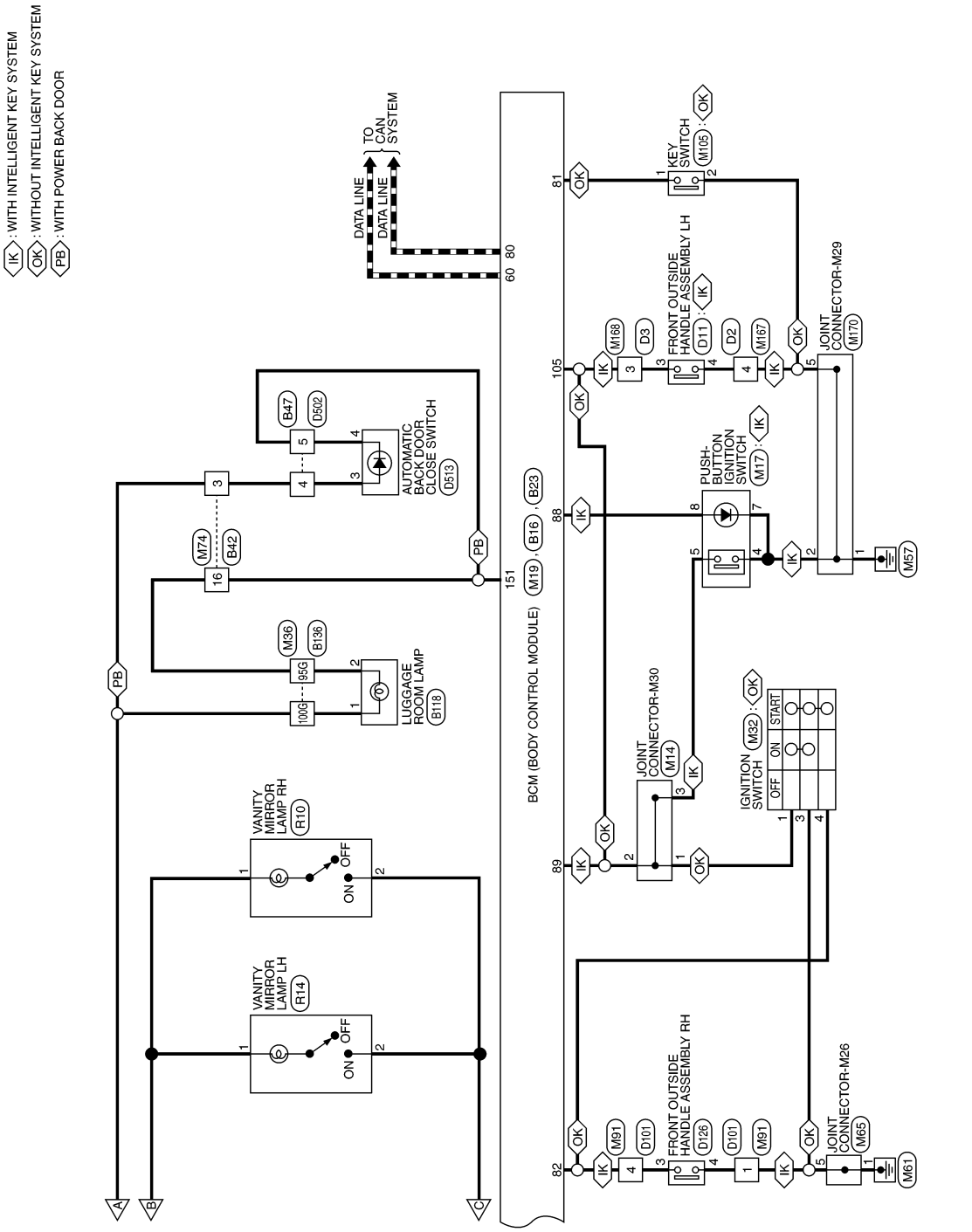
WIRING DIAGRAM

INTERIOR ROOM LAMP CONTROL SYSTEM

Wiring Diagram

INFOID:0000000011279207




IK : WITH INTELLIGENT KEY SYSTEM
OK : WITHOUT INTELLIGENT KEY SYSTEM
PB : WITH POWER BACK DOOR
DATA LINE
DATA LINE
TO CAN SYSTEM
BCM (BODY CONTROL MODULE)
KEY SWITCH (M105) : OK
FRONT OUTSIDE HANDLE ASSEMBLY LH (D11) : IK
JOINT CONNECTOR-M29 (M170)
PUSH-BUTTON IGNITION SWITCH (M17) : IK
IGNITION SWITCH (M32) : OK
JOINT CONNECTOR-M30 (M14)
AUTOMATIC BACK DOOR CLOSE SWITCH (D513)
LUGGAGE ROOM LAMP (B118)
VANITY MIRROR LAMP RH (R10)
VANITY MIRROR LAMP LH (R14)
FRONT OUTSIDE HANDLE ASSEMBLY RH (D126)
JOINT CONNECTOR-M26 (M65)
AALWA1026GB

INTERIOR ROOM LAMP CONNECTORS

Connector No.	M12
Connector Name	ROOM LAMP RELAY
Connector Color	BLUE

Terminal No.	Color of Wire	Signal Name
1	LG	–
2	P	–
3	LG	–
5	V	–

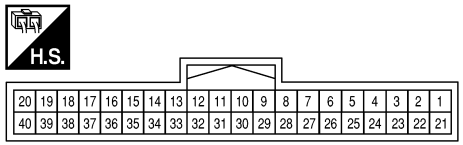
Connector No.	M14
Connector Name	JOINT CONNECTOR-M30
Connector Color	WHITE

Terminal No.	Color of Wire	Signal Name
1	Y	–
2	Y	–
3	Y	–

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

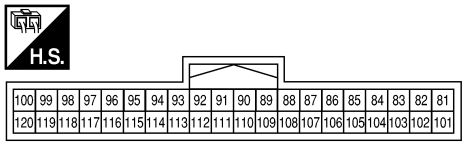
Terminal No.	Color of Wire	Signal Name
4	B	–
5	Y	–
7	B	–
8	W	–

Connector No.	M18
Connector Name	BCM (BODY CONTROL MODULE)
Connector Color	GRAY



Terminal No.	Color of Wire	Signal Name
4	P	O ROOMLAMP BATSAVER RL
10	BG	I DOORLOCK SW
40	SB	I DOORUNLOCK SW

Connector No.	M19
Connector Name	BCM (BODY CONTROL MODULE)
Connector Color	BLACK



Terminal No.	Color of Wire	Signal Name
81	L	I KEY SW
82	LA/R	I STARTER SW (WITHOUT INTELLIGENT KEY SYSTEM)
82	W	I SES FR HANDLE BUTTON SW (WITH INTELLIGENT KEY SYSTEM)
88	W	O START SW BACKLIGHT LED

Terminal No.	Color of Wire	Signal Name
89	Y	I START WO ECSL SW
95	V	I SHORTING PIN
104	R	I DR KNOB SW
105	Y	I IGN SW (WITHOUT INTELLIGENT KEY SYSTEM)
105	Y	I SES DR HANDLE BUTTON SW (WITH INTELLIGENT KEY SYSTEM)

AALIA3010GB

Connector No.	M20
Connector Name	BCM (BODY CONTROL MODULE)
Connector Color	BROWN

H.S.

167	166	165	164		163	162	161
176	175	174	173	172	171	170	169

Terminal No.	Color of Wire	Signal Name
161	W	I PWR ECU
162	SB	O PWM ROOMLAMP 1
170	B	I GND1
171	B	I GND2

Connector No.	M21
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

3		2	1
8	7	6	5	4

Terminal No.	Color of Wire	Signal Name
2	V	–
3	B	–

Connector No.	M32
Connector Name	IGNITION SWITCH
Connector Color	WHITE

H.S.

1	2	3	4

Terminal No.	Color of Wire	Signal Name
1	Y	–
3	B	–
4	LA/R	–

Connector No.	M33
Connector Name	FUSE BLOCK (J/B)
Connector Color	WHITE

H.S.

3N		2N	1N
8N	7N	6N	5N	4N

Terminal No.	Color of Wire	Signal Name
2N	LG	–

Connector No.	M36
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

1G	2G	3G	4G	5G
6G	7G	8G	9G	10G

11G	12G	13G	14G	15G	16G	17G	18G	19G	20G	21G
22G	23G	24G	25G	26G	27G	28G	29G	30G		

31G	32G	33G	34G	35G	36G	37G	38G	39G	40G	41G
42G	43G	44G	45G	46G	47G	48G	49G	50G		

51G	52G	53G	54G	55G	56G	57G	58G	59G	60G	61G
62G	63G	64G	65G	66G	67G	68G	69G	70G		

71G	72G	73G	74G	75G	76G	77G	78G	79G	80G	81G
82G	83G	84G	85G	86G	87G	88G	89G	90G		

91G	92G	93G	94G	95G
96G	97G	98G	99G	100G

Terminal No.	Color of Wire	Signal Name
95G	GR	–
100G	V	–

AALIA2185GB

Connector No.	M74
Connector Name	WIRE TO WIRE
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
3	V	–
16	GR	–

Connector No.	M68
Connector Name	FUSE BLOCK (J/B)
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
3R	V	–
14R	W	–

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

H.S.

8	7	6	5	4	3	2	1

Terminal No.	Color of Wire	Signal Name
1	B	–
5	B	–

Connector No.	M156
Connector Name	WIRE TO WIRE
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
19	SB	–

Connector No.	M105
Connector Name	KEY SWITCH
Connector Color	WHITE

H.S.

1	2

Terminal No.	Color of Wire	Signal Name
1	L	–
2	B	–

Connector No.	M91
Connector Name	WIRE TO WIRE
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	–
2	GR	–
4	W	–
19	LG	–
20	BR	–

AALIA2186GB

Connector No.	M167
Connector Name	WIRE TO WIRE
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
2	R	–
4	B	–
16	B	–

Connector No.	M168
Connector Name	WIRE TO WIRE
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
3	Y	–
23	BG	–
24	SB	–

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

H.S.

8	7	6	5	4	3	2	1

Terminal No.	Color of Wire	Signal Name
1	B	–
2	B	–
5	B	–

Connector No.	B16
Connector Name	BCM (BODY CONTROL MODULE)
Connector Color	GREEN

H.S.

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

Terminal No.	Color of Wire	Signal Name
50	W	I RR DOOR SW
51	LG	I TGATE SW
52	R	I RL DOOR SW
53	SB	I AS DOOR2 SW
57	SB	I DR DOOR2 SW
60	L	CAN-H
80	P	CAN-L

Connector No.	B23
Connector Name	BCM (BODY CONTROL MODULE)
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
151	R	O PWM ROOMLAMP 5
162	SB	O PWM ROOMLAMP 1

Connector No.	B42
Connector Name	WIRE TO WIRE
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
3	V	–
16	R	–

AALIA2928GB

Connector No.	B46
Connector Name	WIRE TO WIRE
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
19	LG	–

Connector No.	B47
Connector Name	WIRE TO WIRE
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
4	V	–
5	W	–

Connector No.	B49
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

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

Terminal No.	Color of Wire	Signal Name
6	SB	–
10	W	–

Connector No.	B54
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

1
2

Terminal No.	Color of Wire	Signal Name
1	B	–

Connector No.	B70
Connector Name	REAR DOOR SWITCH LH
Connector Color	WHITE

H.S.

1	2	3	4

Terminal No.	Color of Wire	Signal Name
3	R	–

Connector No.	B71
Connector Name	FRONT DOOR SWITCH LH
Connector Color	WHITE

H.S.

1	2	3	4

Terminal No.	Color of Wire	Signal Name
3	SB	–

AALIA2188GB

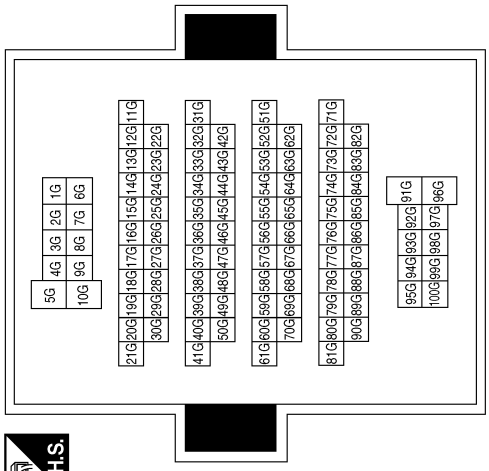
Connector No.	B118
Connector Name	LUGGAGE ROOM LAMP
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
1	Y	–
2	V	–

Connector No.	B136
Connector Name	WIRE TO WIRE
Connector Color	WHITE

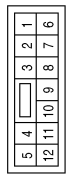
H.S.



Terminal No.	Color of Wire	Signal Name
95G	V	–
100G	Y	–

Connector No.	B140
Connector Name	WIRE TO WIRE
Connector Color	WHITE

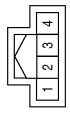
H.S.



Terminal No.	Color of Wire	Signal Name
6	GR	–
10	W	–

Connector No.	B141
Connector Name	FRONT DOOR SWITCH RH
Connector Color	WHITE

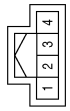
H.S.



Terminal No.	Color of Wire	Signal Name
3	GR	–

Connector No.	B142
Connector Name	REAR DOOR SWITCH RH
Connector Color	WHITE

H.S.

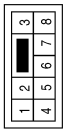


Terminal No.	Color of Wire	Signal Name
3	W	–

AALIA2189GB

Connector No.	R1
Connector Name	WIRE TO WIRE
Connector Color	WHITE

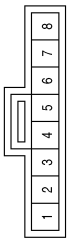
H.S.



Terminal No.	Color of Wire	Signal Name
2	P	–
3	B	–

Connector No.	R6
Connector Name	MAP LAMP ASSEMBLY
Connector Color	WHITE

H.S.



Terminal No.	Color of Wire	Signal Name
1	P	–
2	SB	–
3	SB	–
6	B	–

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

H.S.

Terminal No.	Color of Wire	Signal Name
1	P	–
2	B	–

Connector No.	R11
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
19	SB	–

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

H.S.

Terminal No.	Color of Wire	Signal Name
1	P	–
2	B	–

Connector No.	R15
Connector Name	ROOM LAMP
Connector Color	WHITE

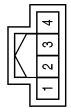
H.S.

Terminal No.	Color of Wire	Signal Name
1	SB	–
2	P	–
3	B	–

AALIA2190GB

Connector No.	R16
Connector Name	PERSONAL LAMPS 2ND ROW
Connector Color	WHITE

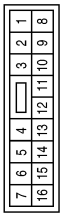
H.S.



Terminal No.	Color of Wire	Signal Name
2	P	–
3	SB	–
4	B	–

Connector No.	D2
Connector Name	WIRE TO WIRE
Connector Color	WHITE

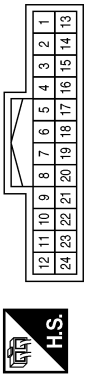
H.S.



Terminal No.	Color of Wire	Signal Name
2	R	–
4	B	–
16	B	–

Connector No.	D3
Connector Name	WIRE TO WIRE
Connector Color	WHITE

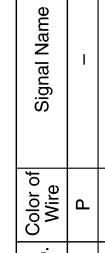
H.S.



Terminal No.	Color of Wire	Signal Name
3	W	–
23	L	–
24	BG	–

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

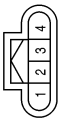
H.S.



Terminal No.	Color of Wire	Signal Name
1	B	GND
3	L	DOOR LOCK
15	BG	DOOR UNLOCK

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

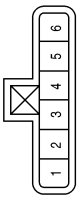
H.S.



Terminal No.	Color of Wire	Signal Name
3	W	–
4	B	–

Connector No.	D23
Connector Name	FRONT DOOR LOCK ASSEMBLY LH
Connector Color	GRAY

H.S.



Terminal No.	Color of Wire	Signal Name
3	R	–
4	B	–

AALIA2992GB

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

H.S.

1	2	3	4

Terminal No.	Color of Wire	Signal Name
3	P	–
4	B	–

Connector No.	D112
Connector Name	POWER WINDOW AND DOOR LOCK/UNLOCK SWITCH RH
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	–
2	BR	–
3	B	–

Connector No.	D505
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

1
2

Terminal No.	Color of Wire	Signal Name
1	B	–

Connector No.	D101
Connector Name	WIRE TO WIRE
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	–
2	B	–
4	P	–
19	LG	–
20	BR	–

Connector No.	D502
Connector Name	WIRE TO WIRE
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
4	R	–
5	W	–

Connector No.	D501
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

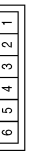
16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17

Terminal No.	Color of Wire	Signal Name
19	W	–

AALIA2930GB

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

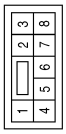
H.S.



Terminal No.	Color of Wire	Signal Name
3	R	–
4	W	–

Connector No.	D512
Connector Name	BACK DOOR LOCK ASSEMBLY (WITH POWER BACK DOOR SYSTEM)
Connector Color	WHITE

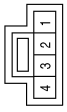
H.S.



Terminal No.	Color of Wire	Signal Name
7	W	–
8	B	–

Connector No.	D508
Connector Name	BACK DOOR LOCK ASSEMBLY (WITHOUT POWER BACK DOOR SYSTEM)
Connector Color	WHITE

H.S.



Terminal No.	Color of Wire	Signal Name
3	W	–
4	GR	–

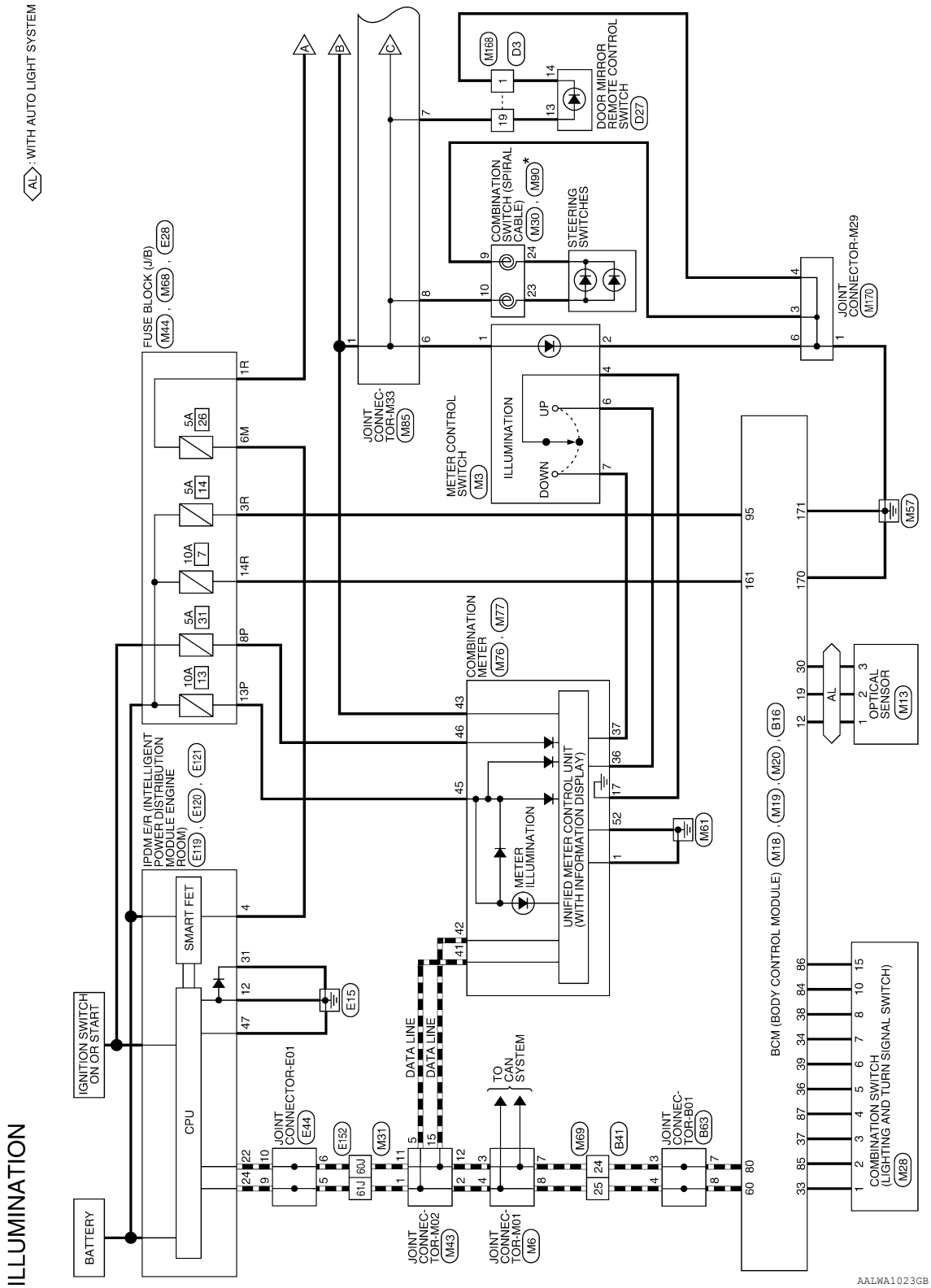
AALIA2193GB

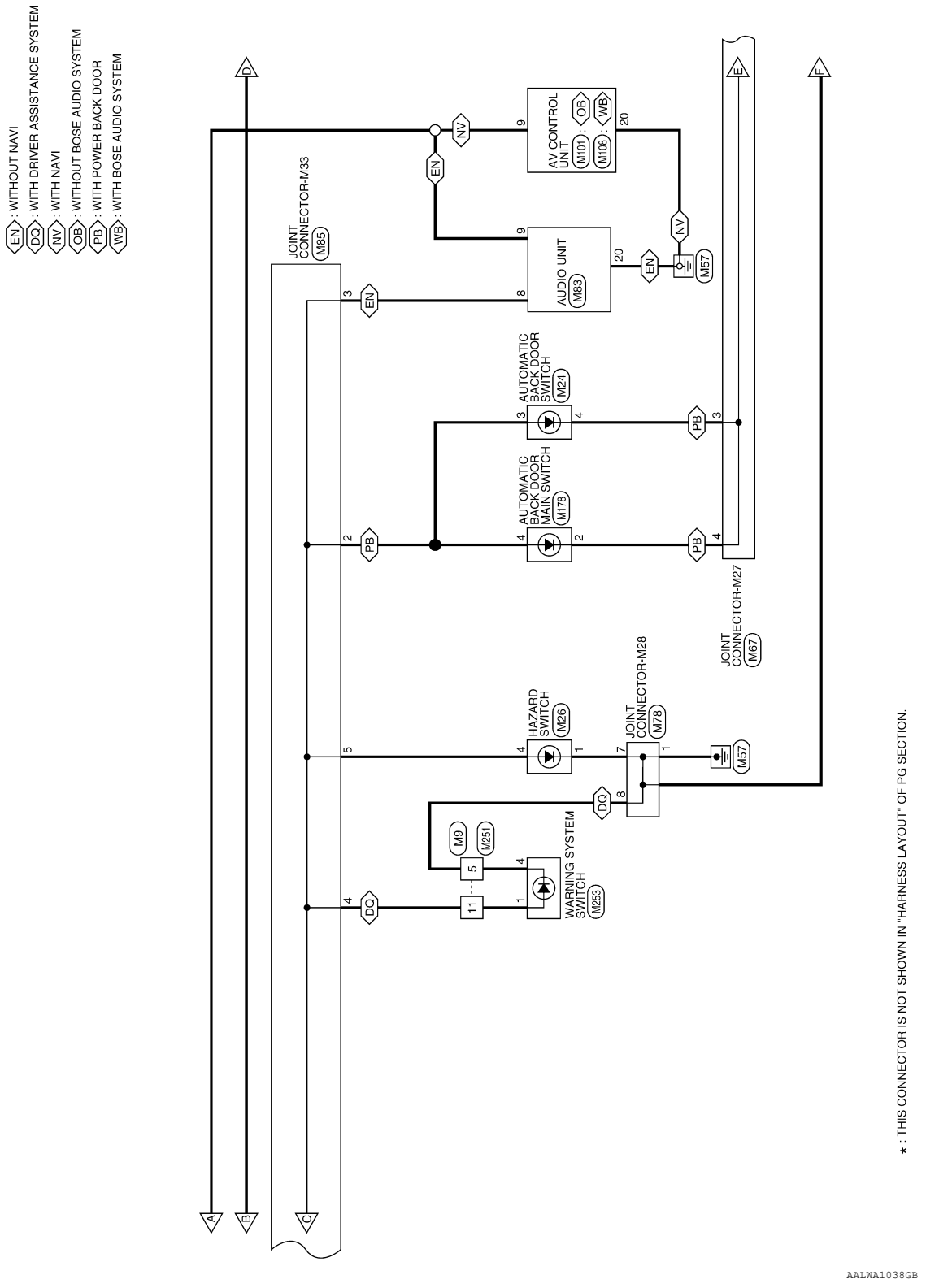
< WIRING DIAGRAM >

ILLUMINATION

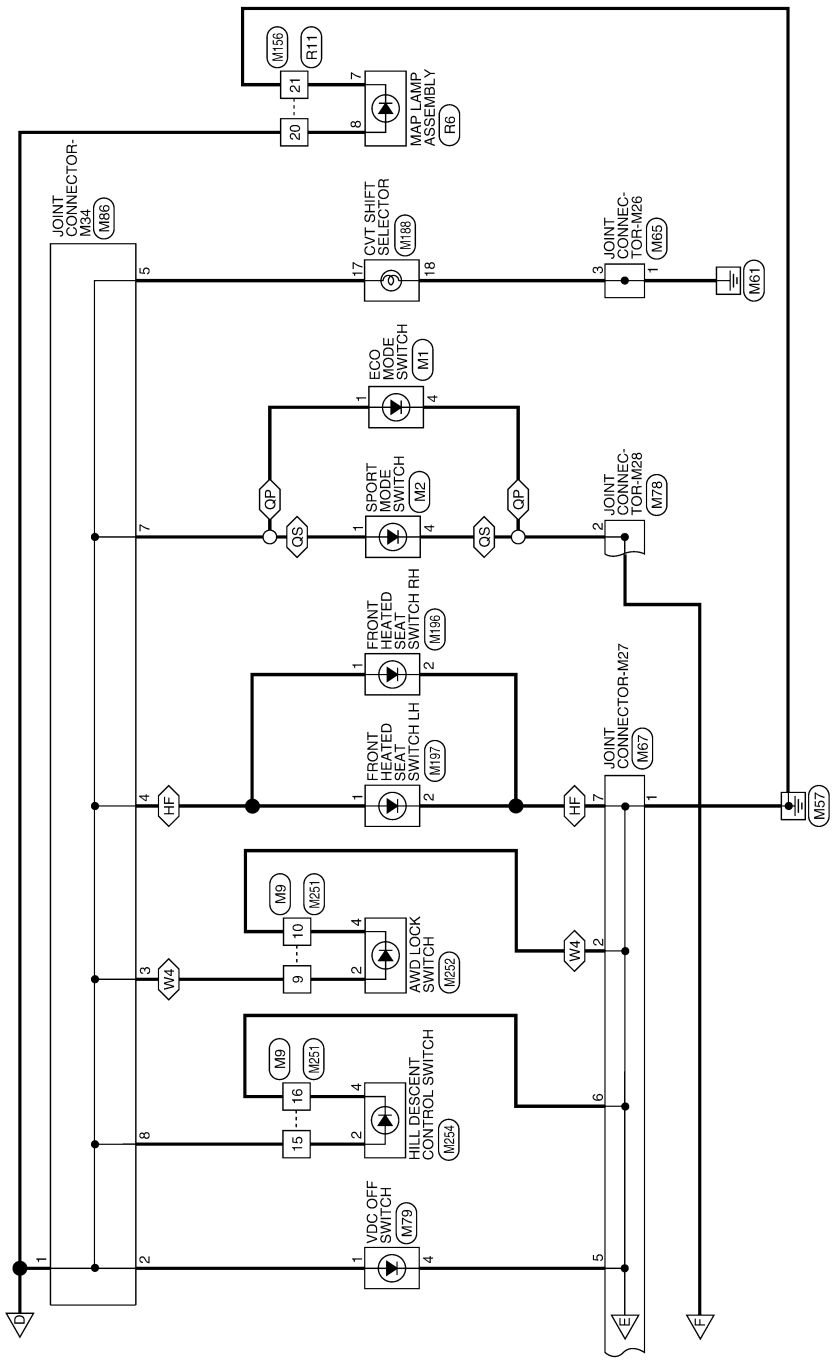
Wiring Diagram

INFOID:0000000011279208




EN : WITHOUT NAVI
DQ : WITH DRIVER ASSISTANCE SYSTEM
NV : WITH NAVI
OB : WITHOUT BOSE AUDIO SYSTEM
PB : WITH POWER BACK DOOR
WB : WITH BOSE AUDIO SYSTEM
AV CONTROL UNIT (M101) : OB (M108) : WB
AUDIO UNIT (M83)
JOINT CONNECTOR-M33 (M85)
AUTOMATIC BACK DOOR SWITCH (M24)
AUTOMATIC BACK DOOR MAIN SWITCH (M178)
HAZARD SWITCH (M26)
JOINT CONNECTOR-M28 (M78)
JOINT CONNECTOR-M27 (M67)
WARNING SYSTEM SWITCH (M253)
M57
M9
M251
NV
EN
PB
DQ
A
B
C
D
E
F
* : THIS CONNECTOR IS NOT SHOWN IN "HARNESS LAYOUT" OF PG SECTION.
AALWA1038GB

HF : WITH FRONT HEATED SEAT
QP : WITH ECO MODE SWITCH
QS : WITH SPORT MODE SWITCH
W4 : WITH ALL WHEEL DRIVE

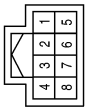


AALWA1024GB

ILLUMINATION CONNECTORS

Connector No.	M1
Connector Name	ECO MODE SWITCH
Connector Color	GRAY

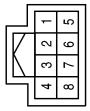
H.S.



Terminal No.	Color of Wire	Signal Name
1	G	–
4	GR	–

Connector No.	M2
Connector Name	SPORT MODE SWITCH
Connector Color	BLUE

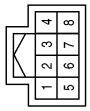
H.S.



Terminal No.	Color of Wire	Signal Name
1	G	–
4	GR	–

Connector No.	M3
Connector Name	METER CONTROL SWITCH
Connector Color	WHITE

H.S.



Terminal No.	Color of Wire	Signal Name
1	R	–
2	B	–
4	BG	–
6	GR	–
7	V	–

Connector No.	M6
Connector Name	JOINT CONNECTOR-M01
Connector Color	GRAY

H.S.

Terminal No.	Color of Wire	Signal Name
3	P	–
4	L	–
7	P	–
8	L	–

Connector No.	M9
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

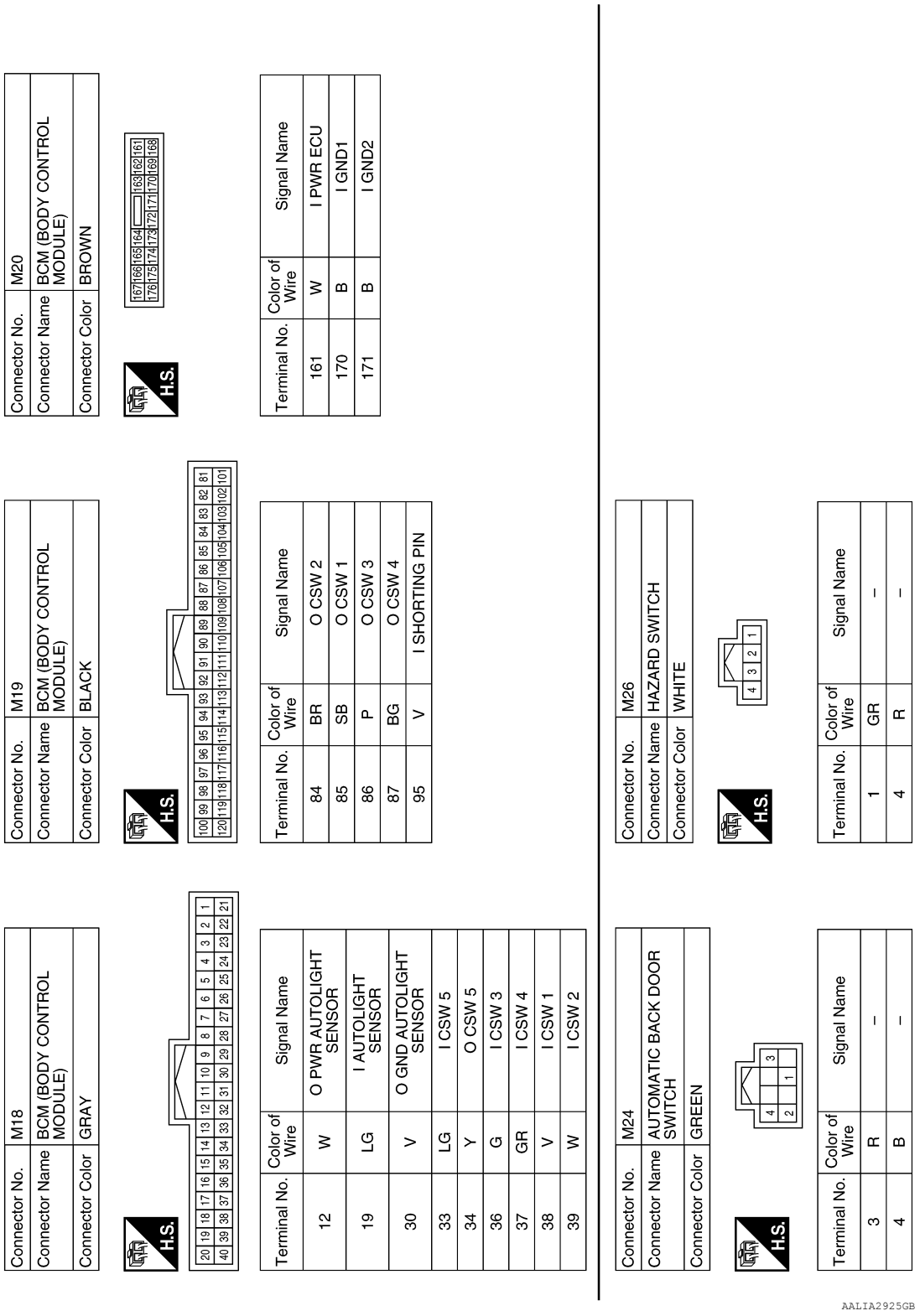
Terminal No.	Color of Wire	Signal Name
5	GR	–
9	G	–
10	B	–
11	R	–
15	G	–
16	B	–

Connector No.	M13
Connector Name	OPTICAL SENSOR
Connector Color	WHITE

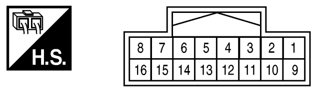
H.S.

Terminal No.	Color of Wire	Signal Name
1	W	–
2	LG	–
3	V	–

AALIA2924GB

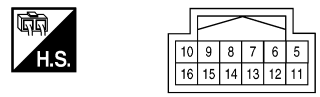

Connector No. M18
Connector Name BCM (BODY CONTROL MODULE)
Connector Color GRAY
H.S.
20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1
40 39 38 37 36 35 34 33 32 31 30 29 28 27 26 25 24 23 22 21
Terminal No. Color of Wire Signal Name
12 W O PWR AUTOLIGHT SENSOR
19 LG I AUTOLIGHT SENSOR
30 V O GND AUTOLIGHT SENSOR
33 LG I CSW 5
34 Y O CSW 5
36 G I CSW 3
37 GR I CSW 4
38 V I CSW 1
39 W I CSW 2
Connector No. M19
Connector Name BCM (BODY CONTROL MODULE)
Connector Color BLACK
H.S.
100 99 98 97 96 95 94 93 92 91 90 89 88 87 86 85 84 83 82 81
120 119 118 117 116 115 114 113 112 111 110 109 108 107 106 105 104 103 102 101
Terminal No. Color of Wire Signal Name
84 BR O CSW 2
85 SB O CSW 1
86 P O CSW 3
87 BG O CSW 4
95 V I SHORTING PIN
Connector No. M20
Connector Name BCM (BODY CONTROL MODULE)
Connector Color BROWN
H.S.
167 166 165 164 163 162 161
176 175 174 173 172 171 170 169 168
Terminal No. Color of Wire Signal Name
161 W I PWR ECU
170 B I GND1
171 B I GND2
Connector No. M24
Connector Name AUTOMATIC BACK DOOR SWITCH
Connector Color GREEN
H.S.
4 3
2 1
Terminal No. Color of Wire Signal Name
3 R –
4 B –
Connector No. M26
Connector Name HAZARD SWITCH
Connector Color WHITE
H.S.
4 3 2 1
Terminal No. Color of Wire Signal Name
1 GR –
4 R –
AALIA2925GB

Connector No.	M28
Connector Name	COMBINATION SWITCH
Connector Color	WHITE



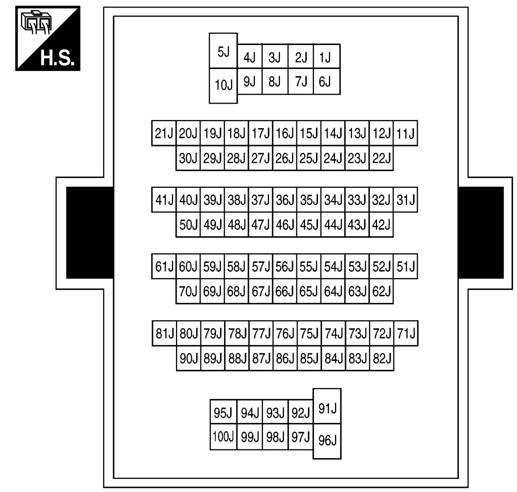
Terminal No.	Color of Wire	Signal Name
1	LG	–
2	SB	–
3	GR	–
4	BG	–
5	G	–
6	W	–
7	Y	–
8	V	–
10	BR	–
15	P	–

Connector No.	M30
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Color	WHITE



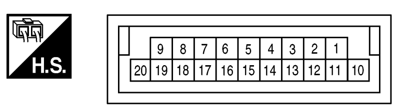
Terminal No.	Color of Wire	Signal Name
9	B	–
10	R	–

Connector No.	M31
Connector Name	WIRE TO WIRE
Connector Color	WHITE



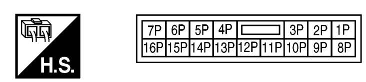
Terminal No.	Color of Wire	Signal Name
60J	P	–
61J	L	–

Connector No.	M43
Connector Name	JOINT CONNECTOR-M02
Connector Color	BLUE



Terminal No.	Color of Wire	Signal Name
1	L	–
2	L	–
5	L	–
11	P	–
12	P	–
15	P	–

Connector No.	M44
Connector Name	FUSE BLOCK (J/B)
Connector Color	WHITE

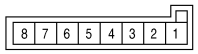


Terminal No.	Color of Wire	Signal Name
8P	LA/BR	–
13P	LA/G	–

AALIA2926GB

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

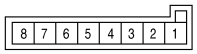
H.S.



Terminal No.	Color of Wire	Signal Name
1	B	–
3	B	–

Connector No.	M67
Connector Name	JOINT CONNECTOR-M27
Connector Color	WHITE

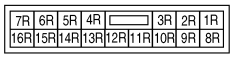
H.S.



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

Connector No.	M68
Connector Name	FUSE BLOCK (J/B)
Connector Color	BROWN

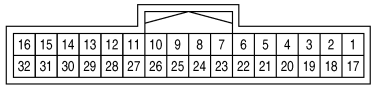
H.S.



Terminal No.	Color of Wire	Signal Name
1R	V	–
3R	V	–
14R	W	–

Connector No.	M69
Connector Name	WIRE TO WIRE
Connector Color	WHITE

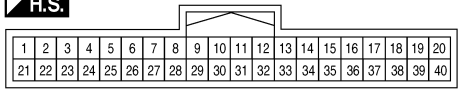
H.S.



Terminal No.	Color of Wire	Signal Name
24	P	–
25	L	–

Connector No.	M76
Connector Name	COMBINATION METER
Connector Color	WHITE

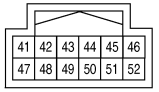
H.S.



Terminal No.	Color of Wire	Signal Name
1	B	GND 1
17	BG	SATELLITE SW GND
36	GR	ILL UP SW
37	V	ILL DOWN SW

Connector No.	M77
Connector Name	COMBINATION METER
Connector Color	WHITE

H.S.

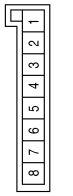


Terminal No.	Color of Wire	Signal Name
41	L	CAN-H
42	P	CAN-L
43	W	ILL CONT OUT
45	LA/G	ALVUSBAT
46	LA/BR	IGN
52	B	GND 2

AALIA3011GB

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

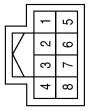
H.S.



Terminal No.	Color of Wire	Signal Name
1	GR	–
2	GR	–
7	GR	–
8	GR	–

Connector No.	M79
Connector Name	VDC OFF SWITCH
Connector Color	BLACK

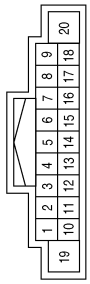
H.S.



Terminal No.	Color of Wire	Signal Name
1	G	–
4	B	–

Connector No.	M83
Connector Name	AUDIO UNIT
Connector Color	WHITE

H.S.



Terminal No.	Color of Wire	Signal Name
8	R	ILL-
9	V	ILL+, LIGHT SW
20	B	GND

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

H.S.

Terminal No.	Color of Wire	Signal Name
1	R	–
2	R	–
3	R	–
4	R	–
5	R	–
6	R	–
7	LA/R	–
8	R	–

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

H.S.

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

Connector No.	M90
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
23	R	–
24	Y	–

AALIA3013GB

Connector No.	M156
Connector Name	WIRE TO WIRE
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
20	R	–
21	B	–

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

H.S.

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

Terminal No.	Color of Wire	Signal Name
9	V	ILL(+), LIGHT SW
20	B	GND

Connector No.	M178
Connector Name	AUTOMATIC BACK DOOR MAIN SWITCH
Connector Color	BLACK

H.S.

2	4	3
1		

Terminal No.	Color of Wire	Signal Name
2	B	–
4	R	–

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

H.S.

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

Terminal No.	Color of Wire	Signal Name
9	V	ILL(+), LIGHT SW
20	B	GND

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

H.S.

8	7	6	5	4	3	2	1

Terminal No.	Color of Wire	Signal Name
1	B	–
3	B	–
4	B	–
6	B	–

Connector No.	M168
Connector Name	WIRE TO WIRE
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	–
19	LA/R	–

AALIA3012GB

Connector No.	M188
Connector Name	CVT SHIFT SELECTOR
Connector Color	BROWN

Terminal No.	Color of Wire	Signal Name
17	G	–
18	B	–

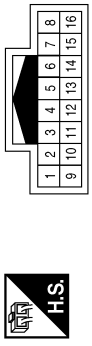
Connector No.	M196
Connector Name	FRONT HEATED SEAT SWITCH RH
Connector Color	BROWN

Terminal No.	Color of Wire	Signal Name
1	G	–
2	B	–

Connector No.	M197
Connector Name	FRONT HEATED SEAT SWITCH LH
Connector Color	WHITE

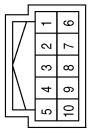
Terminal No.	Color of Wire	Signal Name
1	L	–
2	B	–

Connector No.	M251
Connector Name	WIRE TO WIRE
Connector Color	WHITE



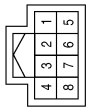
Terminal No.	Color of Wire	Signal Name
5	B	–
9	R	–
10	B	–
11	G	–
15	P	–
16	B	–

Connector No.	M252
Connector Name	AWD LOCK SWITCH
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
2	R	–
4	B	–

Connector No.	M253
Connector Name	WARNING SYSTEM SWITCH
Connector Color	WHITE

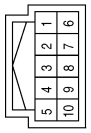


Terminal No.	Color of Wire	Signal Name
1	G	–
4	B	–

AALIA3014GB

Connector No.	M254
Connector Name	HILL DESCENT CONTROL SWITCH
Connector Color	GRAY

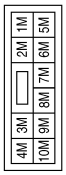
H.S.



Terminal No.	Color of Wire	Signal Name
2	P	–
4	B	–

Connector No.	E28
Connector Name	FUSE BLOCK (J/B)
Connector Color	WHITE

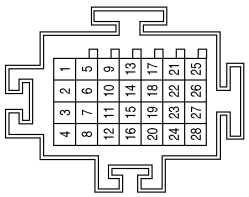
H.S.



Terminal No.	Color of Wire	Signal Name
6M	Y	–

Connector No.	E44
Connector Name	JOINT CONNECTOR-E01
Connector Color	WHITE

H.S.



Terminal No.	Color of Wire	Signal Name
5	L	–
6	P	–
9	L	–
10	P	–

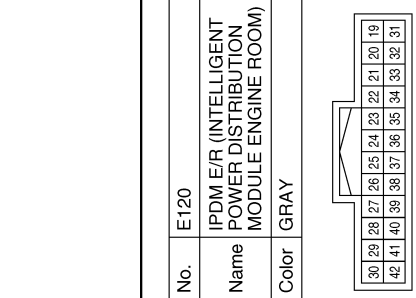
Connector No.	E119
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Color	GRAY

H.S.

Terminal No.	Color of Wire	Signal Name
4	Y	O LIGHT POSITION REAR LH
12	B	SIGNAL GROUND

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

H.S.



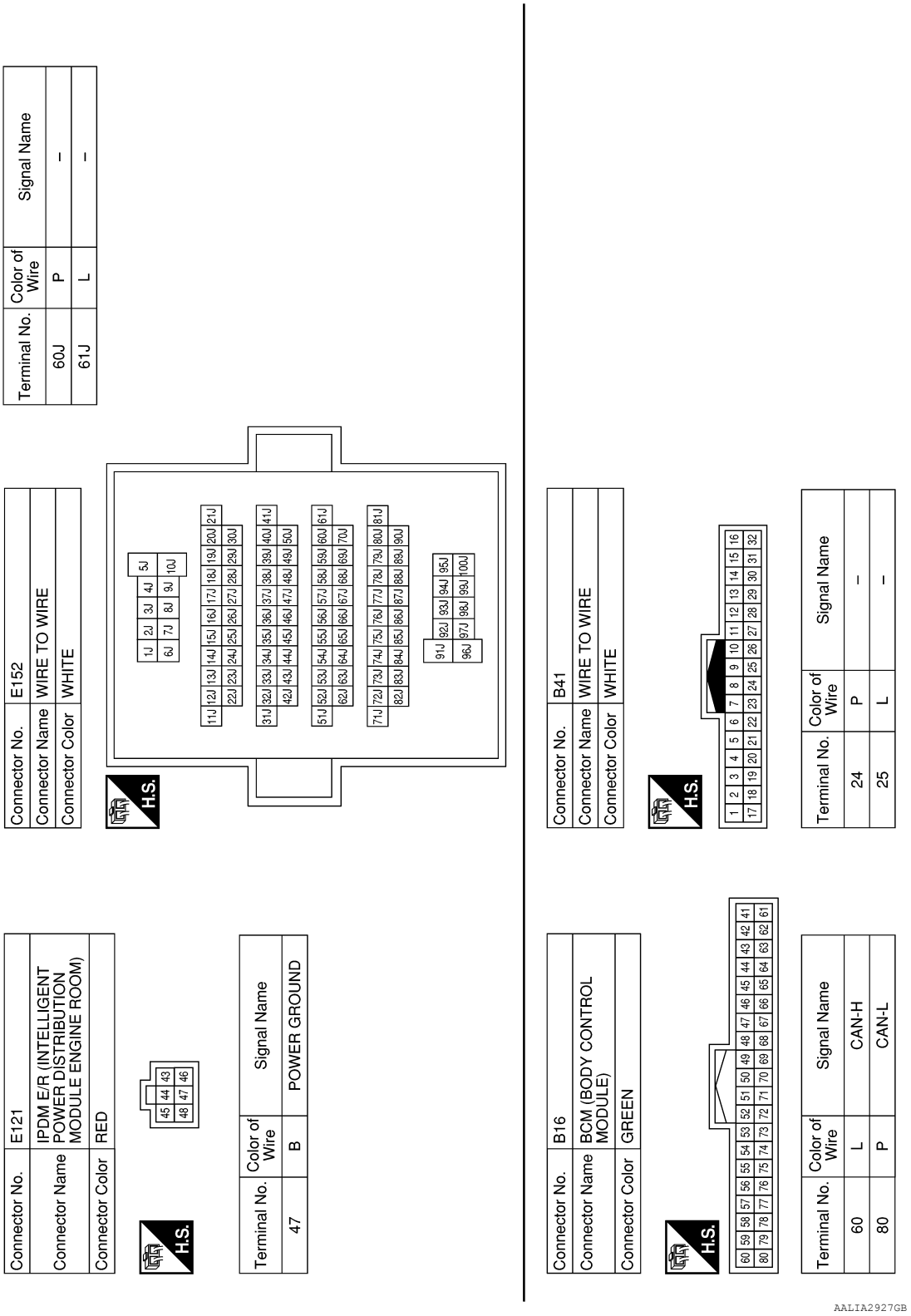
Terminal No.	Color of Wire	Signal Name
22	P	CAN-L
24	L	CAN-H
31	B	2ND SIGNAL GROUND

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

H.S.

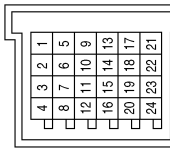
Terminal No.	Color of Wire	Signal Name
47	B	POWER GROUND

AALIA3015GB


Connector No. E121
Connector Name IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Color RED
H.S.
45 44 43
48 47 46
Terminal No. Color of Wire Signal Name
47 B POWER GROUND
Connector No. E152
Connector Name WIRE TO WIRE
Connector Color WHITE
H.S.
1J 2J 3J 4J 5J
6J 7J 8J 9J 10J
11J 12J 13J 14J 15J 16J 17J 18J 19J 20J 21J
22J 23J 24J 25J 26J 27J 28J 29J 30J
31J 32J 33J 34J 35J 36J 37J 38J 39J 40J 41J
42J 43J 44J 45J 46J 47J 48J 49J 50J
51J 52J 53J 54J 55J 56J 57J 58J 59J 60J 61J
62J 63J 64J 65J 66J 67J 68J 69J 70J
71J 72J 73J 74J 75J 76J 77J 78J 79J 80J 81J
82J 83J 84J 85J 86J 87J 88J 89J 90J
91J 92J 93J 94J 95J
96J 97J 98J 99J 100J
Terminal No. Color of Wire Signal Name
60J P –
61J L –
Connector No. B41
Connector Name WIRE TO WIRE
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
24 P –
25 L –
Connector No. B16
Connector Name BCM (BODY CONTROL MODULE)
Connector Color GREEN
H.S.
41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60
61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80
Terminal No. Color of Wire Signal Name
60 L CAN-H
80 P CAN-L
AALIA2927GB

Connector No.	B63
Connector Name	JOINT CONNECTOR-B01
Connector Color	GRAY

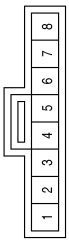
H.S.



Terminal No.	Color of Wire	Signal Name
3	P	–
4	L	–
7	P	–
8	L	–

Connector No.	R6
Connector Name	MAP LAMP
Connector Color	WHITE

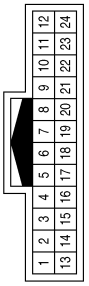
H.S.



Terminal No.	Color of Wire	Signal Name
7	B	–
8	R	–

Connector No.	R11
Connector Name	WIRE TO WIRE
Connector Color	WHITE

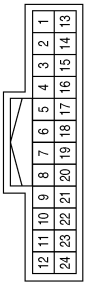
H.S.



Terminal No.	Color of Wire	Signal Name
20	R	–
21	B	–

Connector No.	D3
Connector Name	WIRE TO WIRE
Connector Color	WHITE

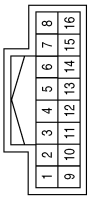
H.S.



Terminal No.	Color of Wire	Signal Name
1	LA/B	–
19	LA/R	–

Connector No.	D27
Connector Name	DOOR MIRROR REMOTE CONTROL SWITCH
Connector Color	BLACK

H.S.



Terminal No.	Color of Wire	Signal Name
13	LA/R	–
14	LA/B	–

AALIA3016GB

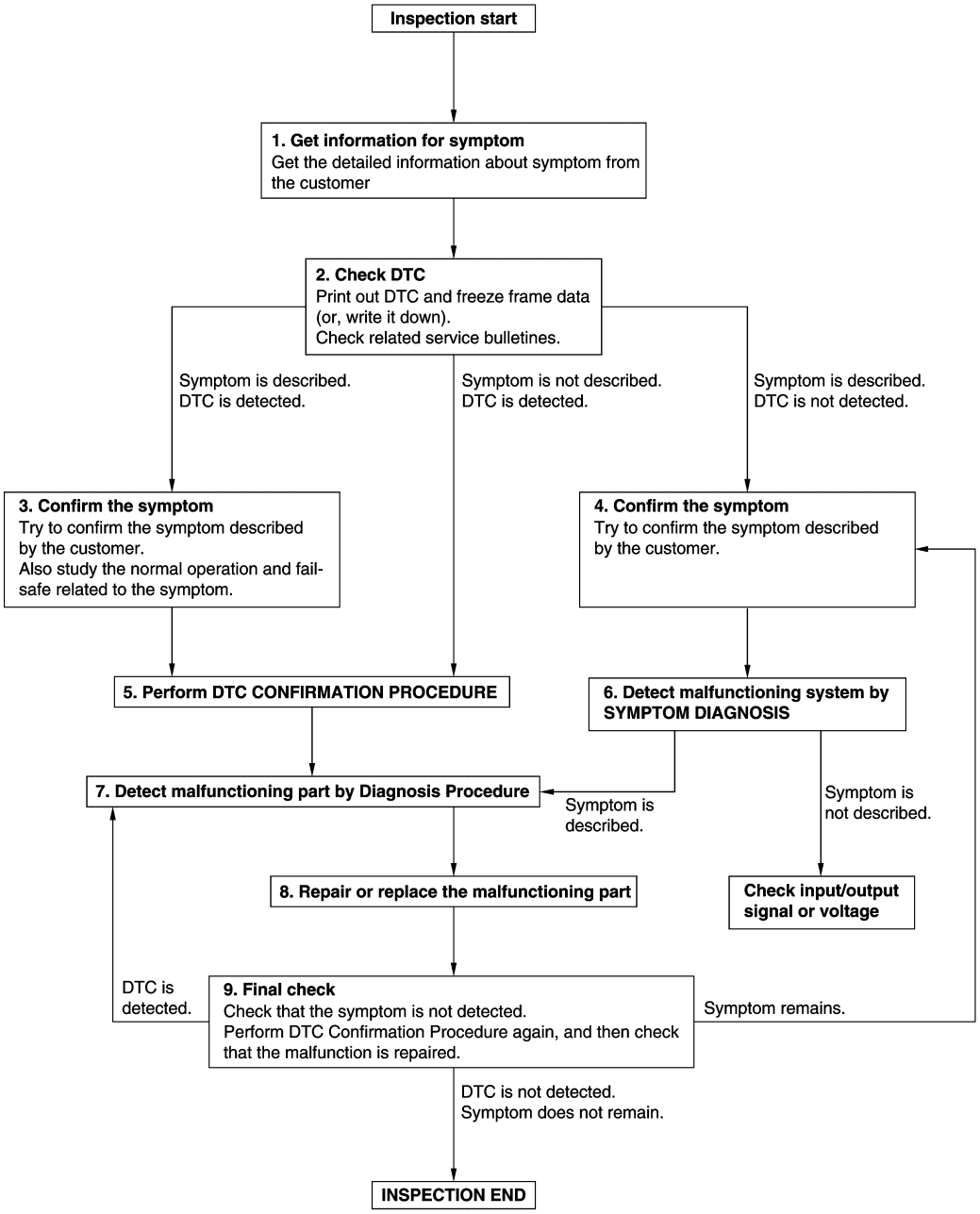
BASIC INSPECTION

DIAGNOSIS AND REPAIR WORKFLOW

Work Flow

INFOID:0000000011279209

OVERALL SEQUENCE



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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-44, "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-44, "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:0000000011279210

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:0000000011279211

1.CHECK INTERIOR ROOM LAMP POWER SUPPLY FUNCTION

CONSULT ACTIVE TEST
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” 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-46, "Diagnosis Procedure".

Diagnosis Procedure

INFOID:0000000011279212

1.CHECK INTERIOR ROOM LAMP POWER SUPPLY OUTPUT

CONSULT ACTIVE TEST
1. Turn ignition switch ON.
2. Select “BATTERY SAVER” in “Active Test” 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-75, "Removal and Installation" (with Intelligent Key system) or BCS-135, "Removal and Installation" (without Intelligent Key system).

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 mirror lamp LH R14
- Vanity mirror 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 mirror lamp LH	R14	1	
		Vanity mirror lamp RH	R10	1	
		Luggage room lamp	B118	1	

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:0000000011279213

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:0000000011279214

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 ACTIVE TEST
1. Switch the map lamp switch and room lamp switch to DOOR.
2. Turn ignition switch ON.
3. Select “INT LAMP” in “Active Test” 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-49, "Diagnosis Procedure".

Diagnosis Procedure

INFOID:0000000011279215

1.CHECK INTERIOR ROOM LAMP CONTROL OUTPUT

CONSULT ACTIVE TEST
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		Ground	Test item		Continuity
Connector	Terminal				
M20	162		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-75, "Removal and Installation" (with Intelligent Key system) or BCS-135, "Removal and Installation" (without Intelligent Key system).

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		Ground	Continuity
Connector	Terminal		
M20	162		No

Is the inspection result normal?

YES >> Replace BCM. Refer to BCS-75, "Removal and Installation" (with Intelligent Key system) or BCS-135, "Removal and Installation" (without Intelligent Key system).
NO >> Repair or replace harnesses.

LUGGAGE ROOM LAMP CIRCUIT

Description

INFOID:0000000011279216

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

Diagnosis Procedure

INFOID:0000000011279217

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		Ground	Condition		Continuity
Connector	Terminal				
B23	151		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-75, "Removal and Installation" (with Intelligent Key system) or BCS-135, "Removal and Installation" (without Intelligent Key system).

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	B118	2	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		Ground	Continuity
Connector	Terminal		
B23	151		No

Is the inspection result normal?

YES >> Replace BCM. Refer to BCS-75, "Removal and Installation" (with Intelligent Key system) or BCS-135, "Removal and Installation" (without Intelligent Key system).
NO >> Repair or replace harnesses.

PUSH-BUTTON IGNITION SWITCH ILLUMINATION CIRCUIT

Description

INFOID:0000000011279218

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

Component Function Check

INFOID:0000000011279219

1.CHECK PUSH BUTTON IGNITION SWITCH ILLUMINATION OPERATION

CONSULT ACTIVE TEST
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 >> Ignition switch illumination circuit is normal.
NO >> Refer to INL-52, "Diagnosis Procedure".

Diagnosis Procedure

INFOID:0000000011279220

1.CHECK PUSH BUTTON IGNITION SWITCH ILLUMINATION POWER SUPPLY OUTPUT

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

(+)		(–)	Condition		Voltage (Approx.)
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 ignition switch harness connector.

BCM		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		Ground	Continuity
Connector	Terminal		
M19	88		No

Is the inspection result normal?

YES >> Replace BCM. Refer to BCS-75, "Removal and Installation" (with Intelligent Key system) or BCS-135, "Removal and Installation" (without Intelligent Key system).
NO >> Repair or replace harnesses.

4. CHECK PUSH BUTTON IGNITION SWITCH ILLUMINATION GROUND CIRCUIT

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

Ignition switch		Ground	Continuity
Connector	Terminal		
M17	7		Yes

Is the inspection result normal?

YES >> Replace ignition switch. Refer to SEC-117, "Removal and Installation".
NO >> Repair or replace harnesses.

SYMPTOM DIAGNOSIS

INTERIOR LIGHTING SYSTEM SYMPTOMS

Symptom Table

INFOID:0000000011279221

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

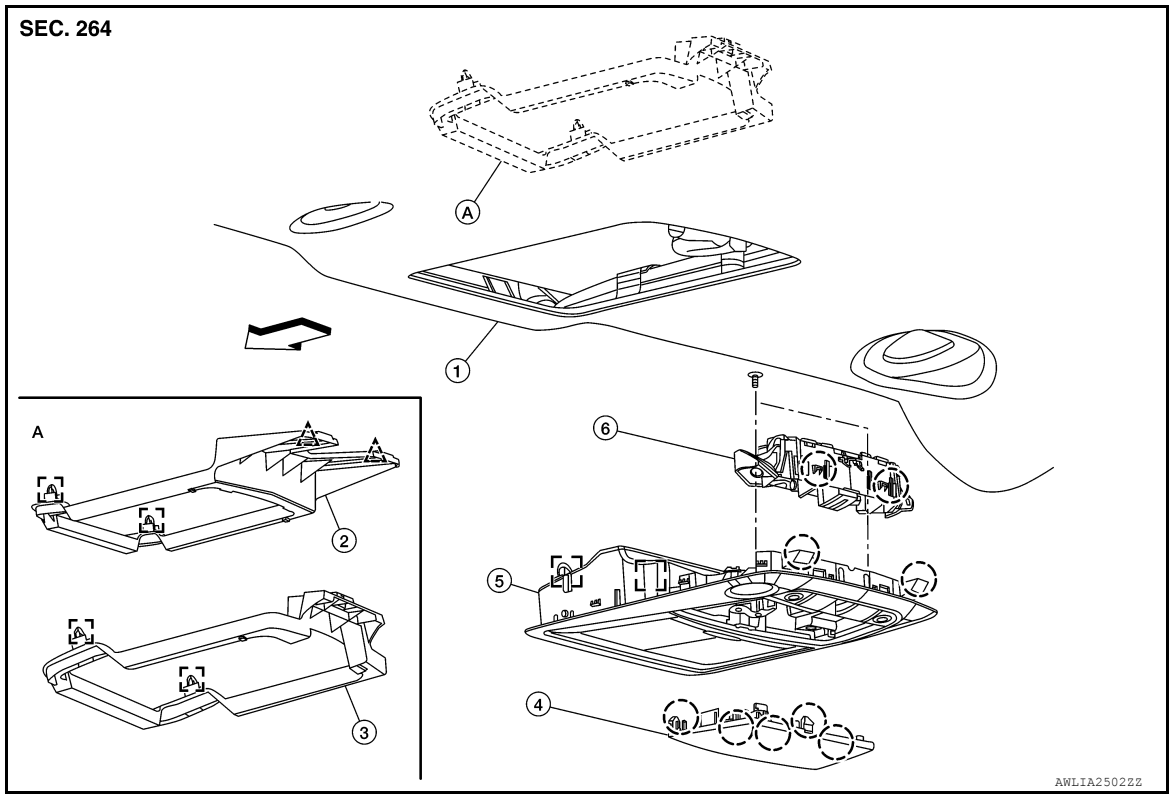
Symptom	Possible cause	Inspection item
All the following lamps do not turn ON: • Map lamp assembly • Room lamp • Luggage room lamp	• Harness between BCM and each interior room lamp • BCM	Interior room lamp power supply circuit Refer to INL-46.
• Interior room lamp does not turn ON even though the door 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-156, "Component_Function_Check" (with Intelligent Key system) or DLK-330, "Component_Function_Check" (without Intelligent Key system).
		Interior room lamp control circuit Refer to INL-49.
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-158, "Component_Function_Check" (with Intelligent Key system) or DLK-330, "Component_Function_Check" (without Intelligent Key system).
		Luggage room lamp circuit Refer to INL-51.
Ignition switch illumination does not illuminate.	• Harness between BCM and Ignition switch • BCM	Ignition switch illumination circuit Refer to INL-52.
Interior room lamp battery saver does not activate.	BCM	Replace BCM. Refer to BCS-75, "Removal and Installation" (with Intelligent Key system) or BCS-135, "Removal and Installation" (without Intelligent Key system).

REMOVAL AND INSTALLATION

MAP LAMP ASSEMBLY

Exploded View

INFOID:0000000011279222



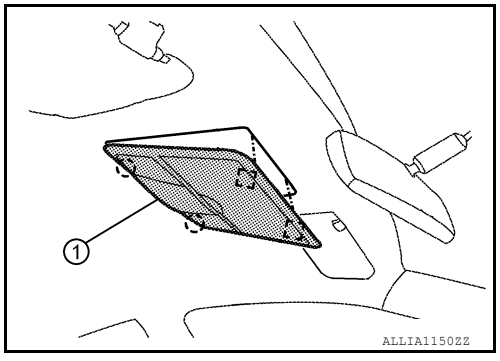
1. Headlining	2. Map lamp assembly bracket (without moonroof)	3. Map lamp assembly bracket (with moonroof)
4. Moonroof switch finisher	5. Map lamp assembly	6. Map lamp
Metal clip	Clip	Pawl
Front		

Removal and Installation

INFOID:0000000011279223

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.

CAUSTION:

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

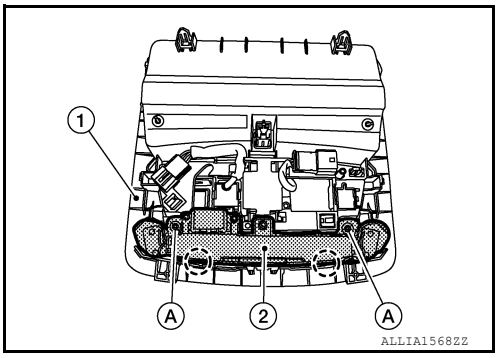
Bulb Replacement

INFOID:0000000011279224

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

REMOVAL

1. Remove the map lamp assembly. Refer to INL-55, "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



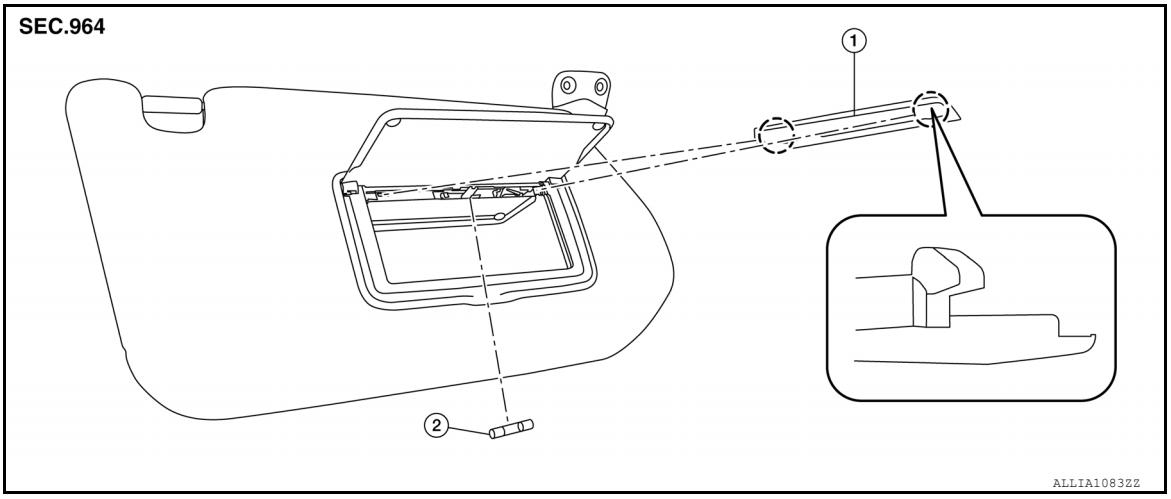
INSTALLATION

Installation is in the reverse order of removal.

VANITY MIRROR LAMP

Exploded View

INFOID:0000000011279225



1. Lens
2. Bulb
Pawl

Removal and Installation

INFOID:0000000011279226

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-29, "Exploded View".

Bulb or Lens Replacement

INFOID:0000000011279227

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.

ROOM LAMP

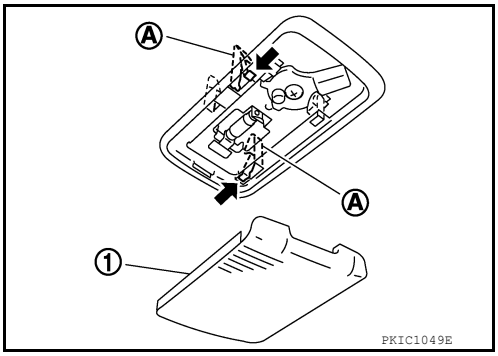
Removal and Installation

INFOID:0000000011279229

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

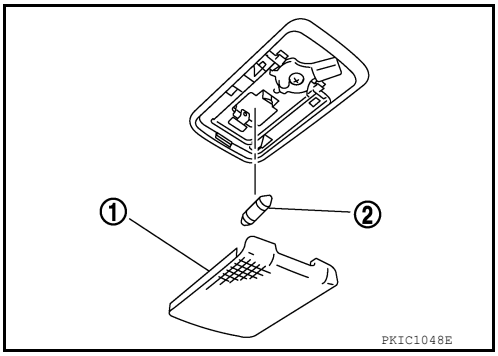
Installation is in the reverse order of removal.

Bulb Replacement

INFOID:0000000011279230

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:0000000011279231

The personal lamp is serviced as part of headlining. Refer to INT-30, "Removal and Installation".

Bulb or Lens Replacement

INFOID:0000000011279232

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.

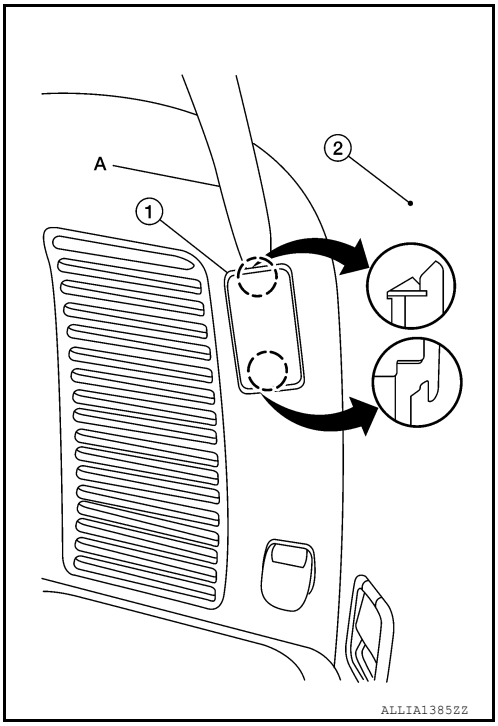
LUGGAGE ROOM LAMP

Removal and Installation

INFOID:0000000011279233

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:0000000011279234

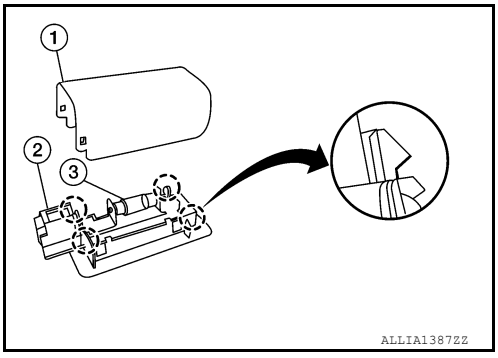
WARNING:

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-60, "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-60, "Removal and Installation".

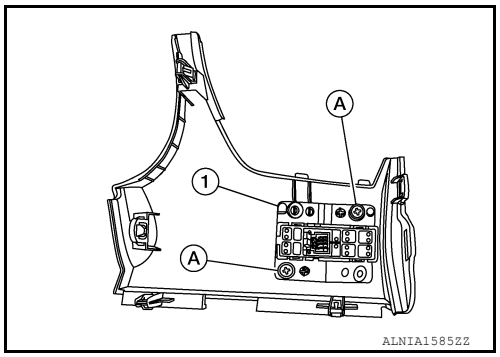
METER CONTROL SWITCH

Removal and Installation

INFOID:0000000011279235

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:0000000011279236

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

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