SECTION INL
INTERIOR LIGHTING SYSTEM

CONTENTS

PRECAUTION

PRECAUTIONS

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

INFOID:0000000006738208

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. This system includes seat belt switch inputs and dual stage front air bag modules. The SRS system uses the seat belt switches to determine the front air bag deployment, and may only deploy one front air bag, depending on the severity of a collision and whether the front occupants are belted or unbelted. 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 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, and wait at least 3 minutes before performing any service.**

Precaution for Work

INFOID:0000000006738210

- 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, and wring the water out of the cloth to wipe the dirty area.
  Then rub with a soft and 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, and wring the water out of the cloth to wipe the detergent off. Then rub with a soft and dry cloth.

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

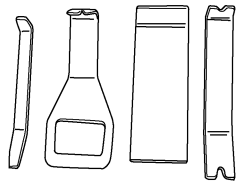
PREPARATION

PREPARATION

Special Service Tool

INFOID:0000000006738211

The actual shapes of Kent-Moore tools may differ from those of special service tools illustrated here.

Tool number (Kent-Moore No.) Tool name	Description
— (J-46534) Trim tool set  AWJIA0483ZZ	Removing trim components

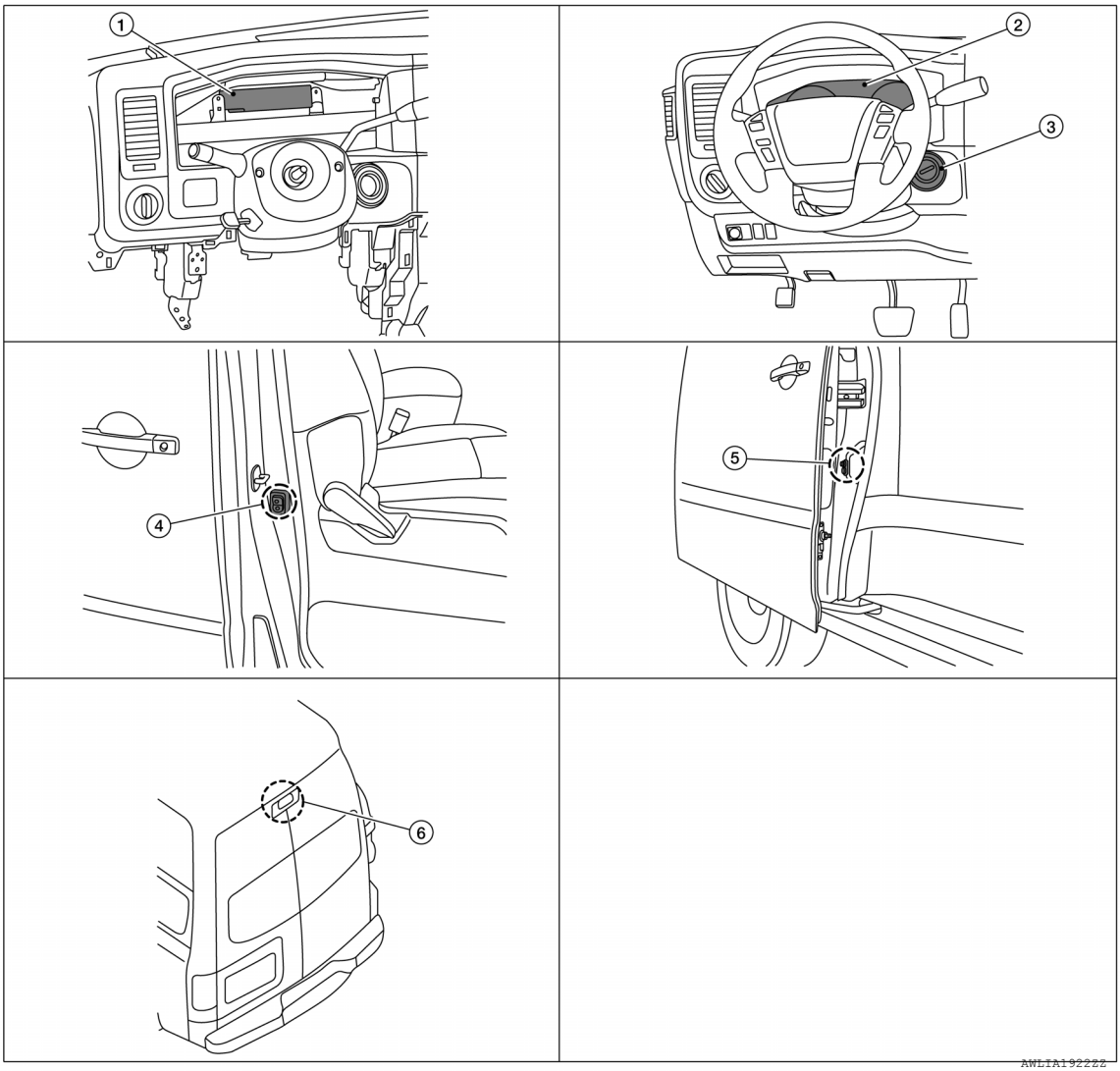
SYSTEM DESCRIPTION

COMPONENT PARTS

INTERIOR ROOM LAMP CONTROL SYSTEM

INTERIOR ROOM LAMP CONTROL SYSTEM : Component Parts Location

INFOID:0000000006738174



1. BCM (view with steering wheel and combination meter removed)
2. Combination meter
3. Key switch
4. Front door switch RH/LH (RH shown)
5. Sliding door switch RH
6. Back door switch upper RH (cargo van shown, passenger van similar)

INTERIOR ROOM LAMP CONTROL SYSTEM : Component Description

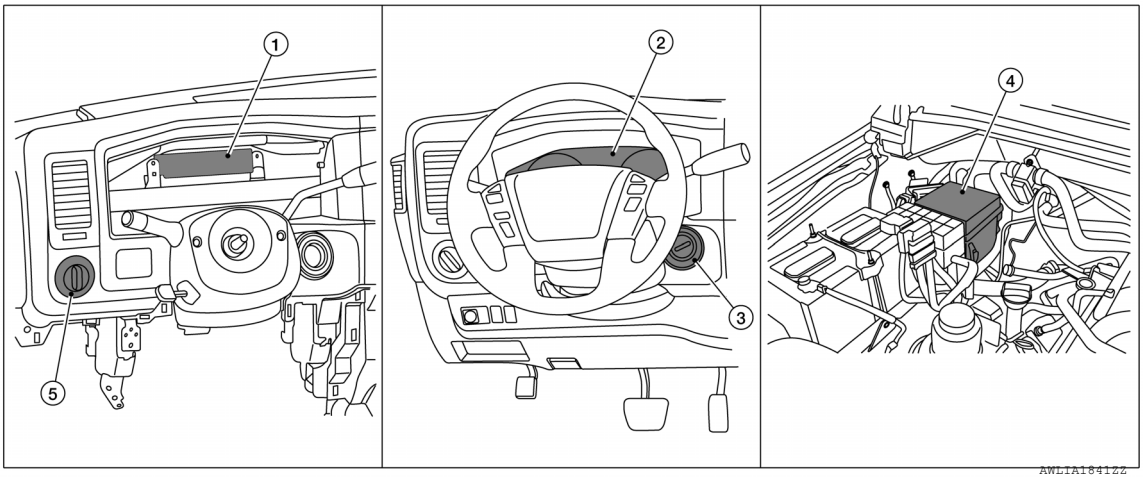
INFOID:0000000006738175

Part name	Description
BCM	Provides power and ground and controls timer functions for the following: • Front room lamp. • Rear Cargo lamp (cargo van). • Front and center cargo lamps (cargo van, if equipped). • Personal lamps and step lamps (passenger van, if equipped). • Cargo lamp (passenger van).
Key switch	Provides key in ignition status to the BCM.
Door switches	Provides door OPEN/CLOSED status to the BCM.
Back door switch	Provides back door OPEN/CLOSED status to the BCM.
Power window and door lock/unlock switch RH	Provides door lock/unlock position switch RH status to the BCM.
Main power window and door lock/unlock switch [front door lock assembly LH (key cylinder switch)].	Provides door lock/unlock position switch LH status to the BCM.

ILLUMINATION CONTROL SYSTEM

ILLUMINATION CONTROL SYSTEM : Component Parts Location

INFOID:0000000006738178



1. BCM (view with steering wheel and combination meter removed)
2. Combination meter (illumination control switch)
3. Key switch
4. IPDM E/R
5. Lighting switch

ILLUMINATION CONTROL SYSTEM : Component Description

INFOID:0000000006738179

Part name	Description
BCM	The BCM monitors the lighting switch position. The BCM requests, via CAN communication, that the IPDM E/R activate the tail lamp relay.
IPDM E/R	The IPDM E/R activates the tail lamp relay based on inputs received from the BCM via the CAN communication network.
Combination meter (illumination control switch)	The illumination control switch is a part of the combination meter. The combination meter controls illumination intensity by varying ground to the illumination lamps based on the illumination control switch position.
Lighting switch	The lighting switch provides input to the BCM about the lighting switch position.

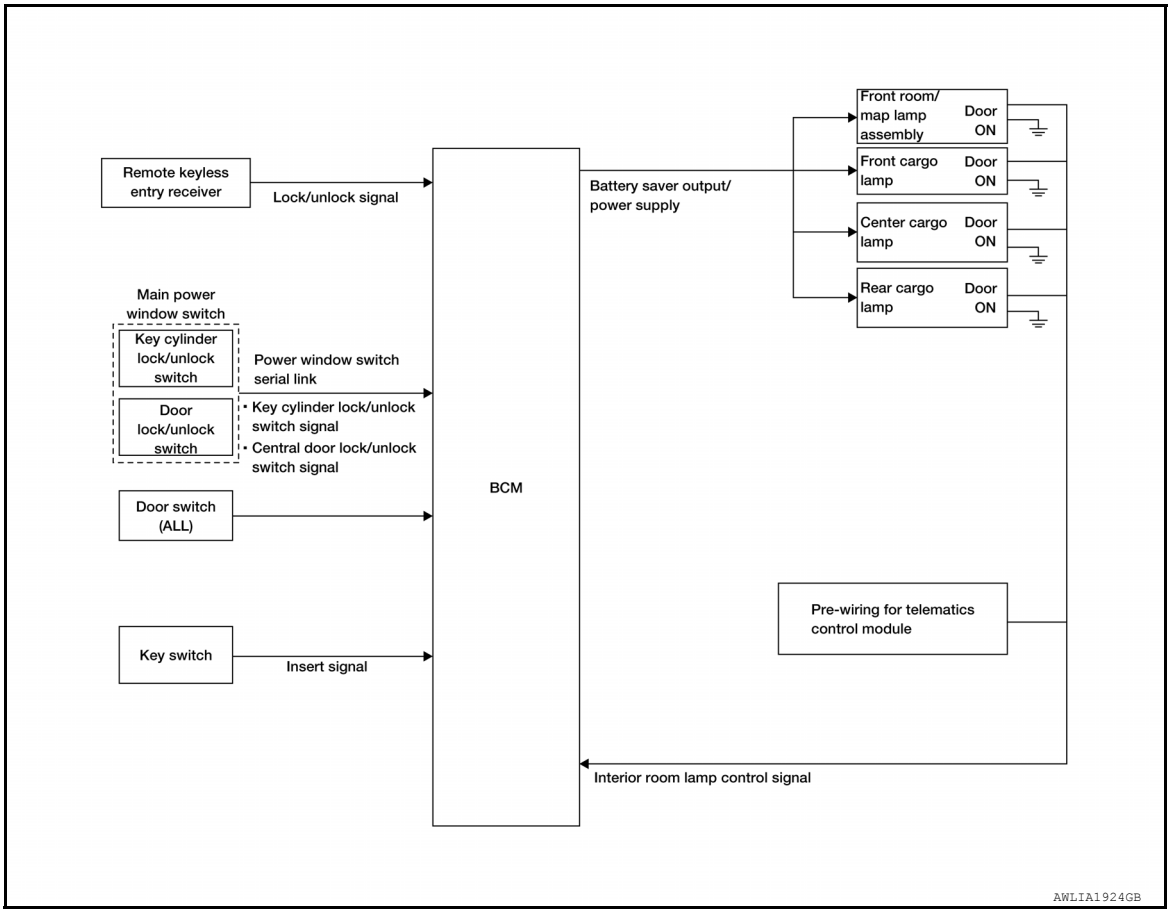
SYSTEM

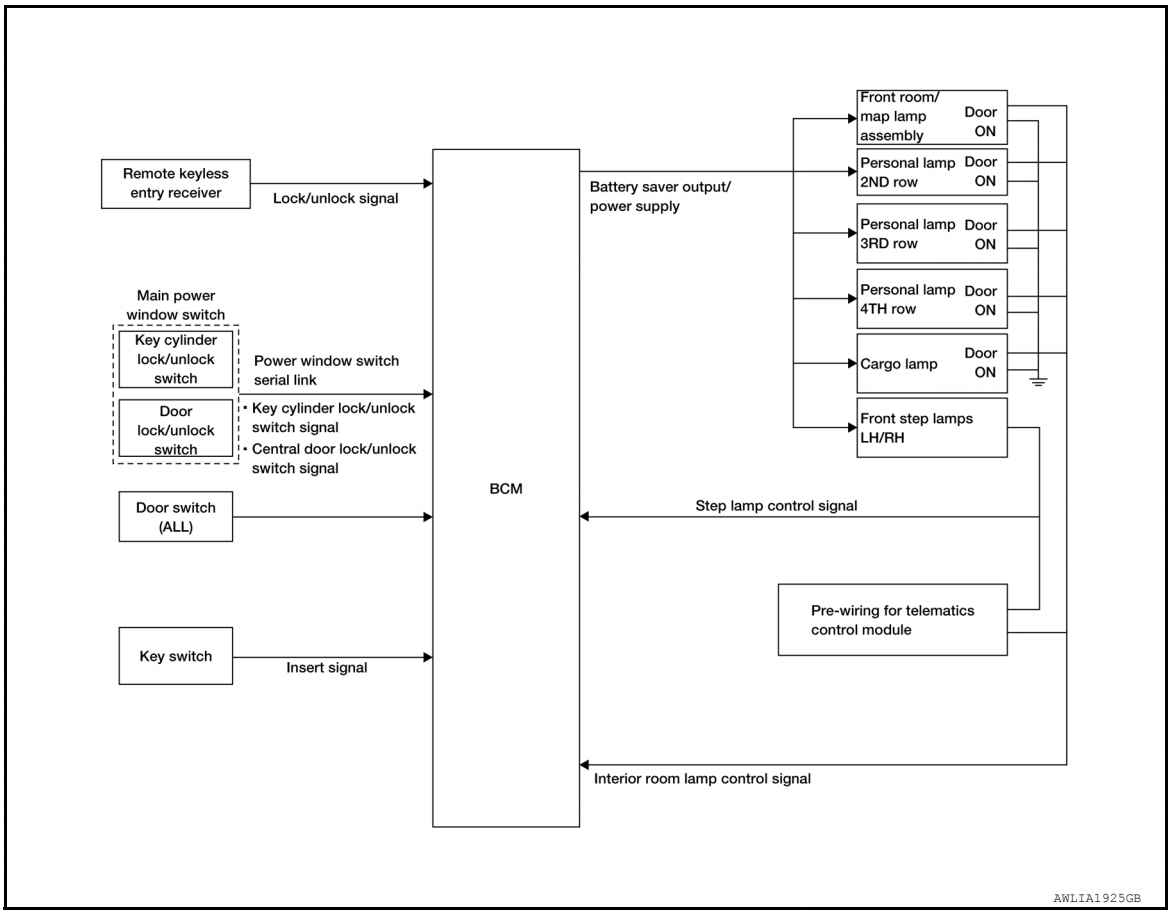
INTERIOR ROOM LAMP CONTROL SYSTEM

INTERIOR ROOM LAMP CONTROL SYSTEM : System Diagram

INFOID:0000000006738172

CARGO VAN





INTERIOR ROOM LAMP CONTROL SYSTEM : System Description

INFOID:0000000006738173

OUTLINE

Interior room lamps are controlled by the interior room lamp timer control function of the BCM when the lamp switch is in DOOR position.
Front step lamps are controlled by the step lamp control function of the BCM.
The timer control functions of the BCM activate based on inputs from the remote keyless entry receiver, the key cylinder lock/unlock switch, the door switches, the key switch and lock solenoid.

ROOM LAMP TIMER OPERATION

When the interior room lamp switch is in the DOOR position and when all conditions below are met, the BCM begins timer control (maximum 30 seconds) for interior room lamp ON/OFF.

- When the front door LH is unlocked with key fob, main power window and door lock/unlock switch, or front door lock assembly LH (key cylinder switch).
- When a door opens → closes and the key is not inserted in the ignition switch.

Timer control is cancelled under the following conditions.

- When the front door LH is locked with key fob, main power window and door lock/unlock switch, or front door lock assembly LH (key cylinder switch).
- A door is opened (door switch turns ON).
- Ignition switch is turned ON.

Interior lamp operational settings can be changed with the CONSULT.

INTERIOR LAMP BATTERY SAVER CONTROL

If an interior lamp is left ON and does not turn OFF even when the doors are closed, the BCM turns off power to the interior lamps automatically to save the battery 15 minutes after the ignition switch is turned OFF.
The BCM controls power and ground to all interior lamps.
After the battery saver system turns the lamps OFF, the lamps will illuminate again when

- a signal is received from a key fob, main power window and door lock/unlock switch, or when the front door lock assembly LH (key cylinder switch) is locked or unlocked

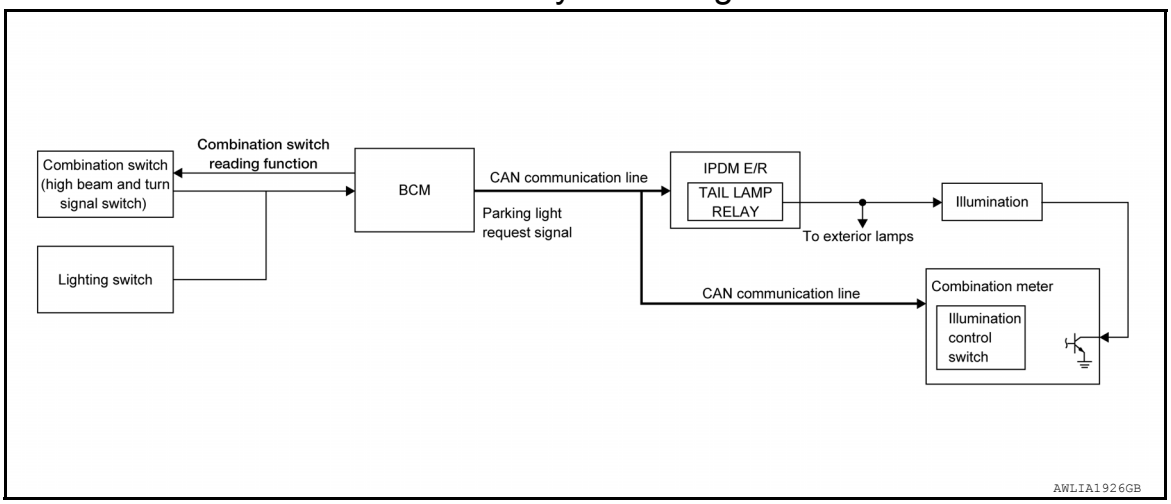
- a door is opened or closed
- the key is removed from or inserted into the ignition switch.

The interior lamp battery saver control time period can be changed with the CONSULT.

ILLUMINATION CONTROL SYSTEM

ILLUMINATION CONTROL SYSTEM : System Diagram

INFOID:0000000006738176



ILLUMINATION CONTROL SYSTEM : System Description

INFOID:0000000006738177

The illumination lamps operation is dependent upon the position of the lighting switch. When the lighting switch is placed in the 1st or 2nd position (or if the auto light system is activated) the BCM (body control module) receives input requesting the parking lamps to illuminate. This input is communicated to the IPDM E/R (intelligent power distribution module engine room) via the CAN communication lines. The CPU (central processing unit) of the IPDM E/R controls the tail lamp relay coil. When energized, this relay directs power to the parking and illumination lamps, which then illuminate.

BATTERY SAVER CONTROL

When the lighting switch is in the 1st or 2nd position and the ignition switch is turned from ON or ACC to OFF, the battery saver control feature is activated. Under this condition, the illumination lamps remain illuminated for 15 minutes unless the lighting switch position is changed. If the lighting switch position is changed, then the illumination lamps are turned off after a 30 second delay. When the lighting switch is turned from OFF to 1st or 2nd position (or if auto light system is activated) after illumination lamps have been turned off by the battery saver control, the illumination lamps illuminate again.

DIAGNOSIS SYSTEM (BCM)
COMMON ITEM
COMMON ITEM : CONSULT Function (BCM - COMMON ITEM)

INFOID:0000000006948934

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	HEAD LAMP			×	×	×		
Wiper and washer	WIPER			×	×			
Turn signal and hazard warning lamps	FLASHER			×	×			
Air conditioner	AIR CONDITIONER			×				
Combination switch	COMB SW			×				
BCM	BCM	×	×			×	×	×
Immobilizer	IMMU		×		×			
Interior room lamp battery saver	BATTERY SAVER			×	×	×		
Vehicle security system	THEFT ALM			×	×	×		
RAP system	RETAINED PWR			×		×		
Signal buffer system	SIGNAL BUFFER			×	×			
Panic alarm system	PANIC ALARM				×			

INT LAMP

INT LAMP : CONSULT Function (BCM - INT LAMP)

INFOID:0000000006948935

DATA MONITOR

Monitor Item [Unit]	Description
IGN ON SW [On/Off]	Indicates condition of ignition switch ON position.
KEY ON SW [On/Off]	Indicates condition of key 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 back door switch.
DOOR SW-RL [On/Off]	Indicates condition of sliding 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.
KEYLESS LOCK [On/Off]	Indicates condition of lock signal from keyfob.
KEYLESS UNLOCK [On/Off]	Indicates condition of unlock signal from keyfob.
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.
ACC ON SW [On/Off]	Indicates condition of ignition switch ACC position.

ACTIVE TEST

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

WORK SUPPORT

Support Item	Setting		Description
SET I/L D-UNLCK INTCON	Off		Interior room lamp timer function OFF.
	On*		Interior room lamp timer function ON.
ROOM LAMP TIMER SET	MODE4*	30 sec.	Sets the interior room lamp ON time (timer operation).
	MODE3	15 sec.	
	MODE2	7.5 sec.	
	MODE1	0 sec.	
ROOM LAMP ON TIME SET	MODE7	0 sec.	Sets the interior room lamp gradual brightening time.
	MODE6	5 sec.	
	MODE5	4 sec.	
	MODE4	3 sec.	
	MODE3	2 sec.	
	MODE2*	1 sec.	
	MODE1	0.5 sec.	
ROOM LAMP OFF TIME SET	MODE7	0 sec.	Sets the interior room lamp gradual dimming time.
	MODE6	5 sec.	
	MODE5	4 sec.	
	MODE4	3 sec.	
	MODE3	2 sec.	
	MODE2*	1 sec.	
	MODE1	0.5 sec.	

Support Item	Setting	Description
R LAMP TIMER LOGIC SET	MODE2	Interior room lamp timer activation synchronizing all doors.
	MODE1*	Interior room lamp timer activation synchronizing driver door only.

* : Initial setting

BATTERY SAVER

BATTERY SAVER : CONSULT Function (BCM - BATTERY SAVER)

INFOID:0000000006948936

DATA MONITOR

Monitor Item [Unit]	Description
IGN ON SW [On/Off]	Indicates condition of ignition switch ON position.
KEY ON SW [On/Off]	Indicates condition of key 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 back door switch.
DOOR SW-RL [On/Off]	Indicates condition of sliding 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.
KEYLESS LOCK [On/Off]	Indicates condition of lock signal from keyfob.
KEYLESS UNLOCK [On/Off]	Indicates condition of unlock signal from keyfob.
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.
ACC SW [On/Off]	Indicates condition of ignition switch ACC position.

WORK SUPPORT

Support Item	Setting		Description
ROOM LAMP TIMER SET	MODE3	10 min	Sets the interior room lamp battery saver timer operating time.
	MODE2	60 min	
	MODE1*	15 min	

*: Initial setting

ECU DIAGNOSIS INFORMATION

BCM (BODY CONTROL MODULE)

List of ECU Reference

INFOID:0000000006949927

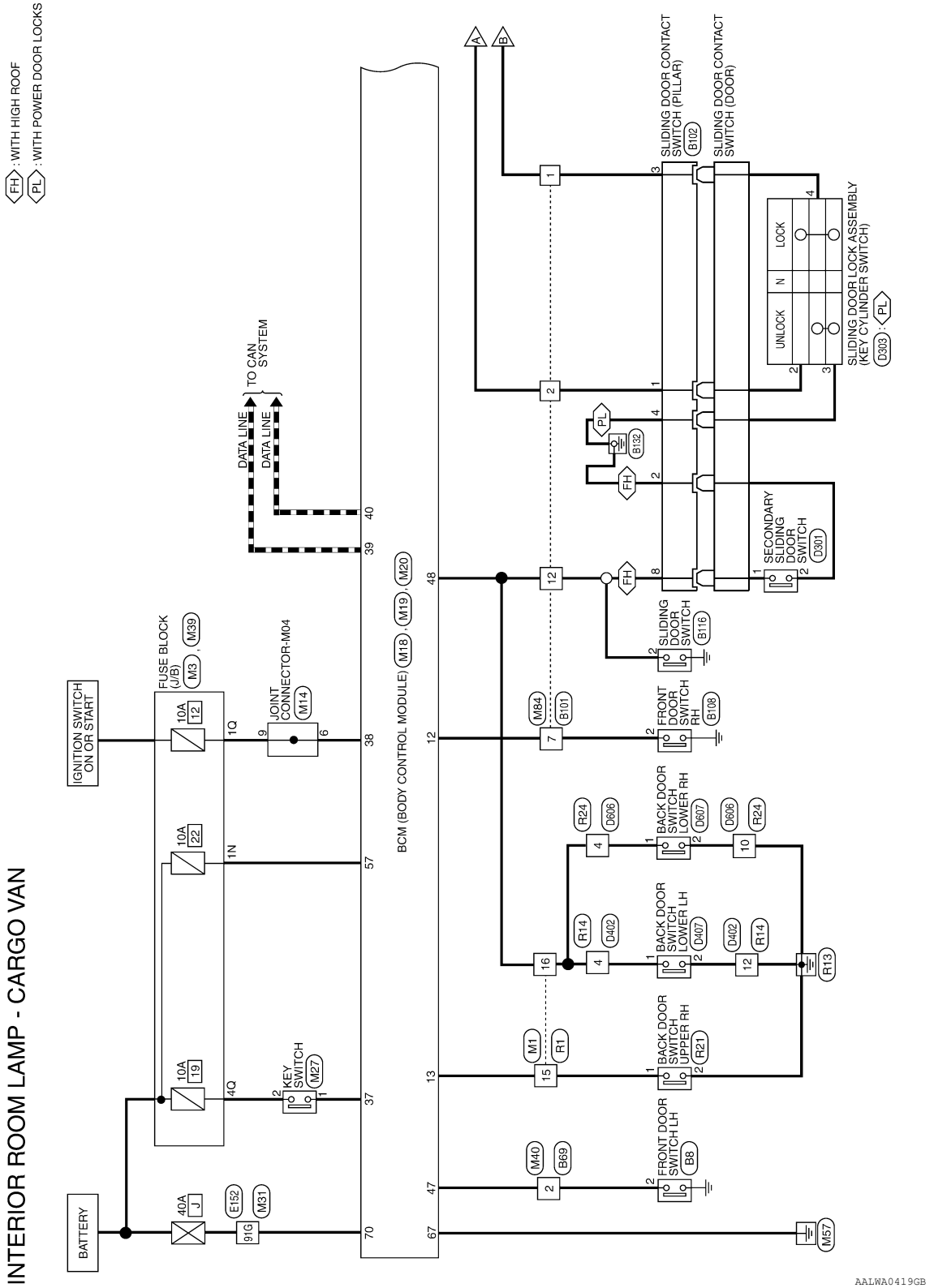
ECU	Reference
BCM	BCS-25, "Reference Value"
	BCS-35, "Fail-safe"
	BCS-35, "DTC Inspection Priority Chart"
	BCS-35, "DTC Index"

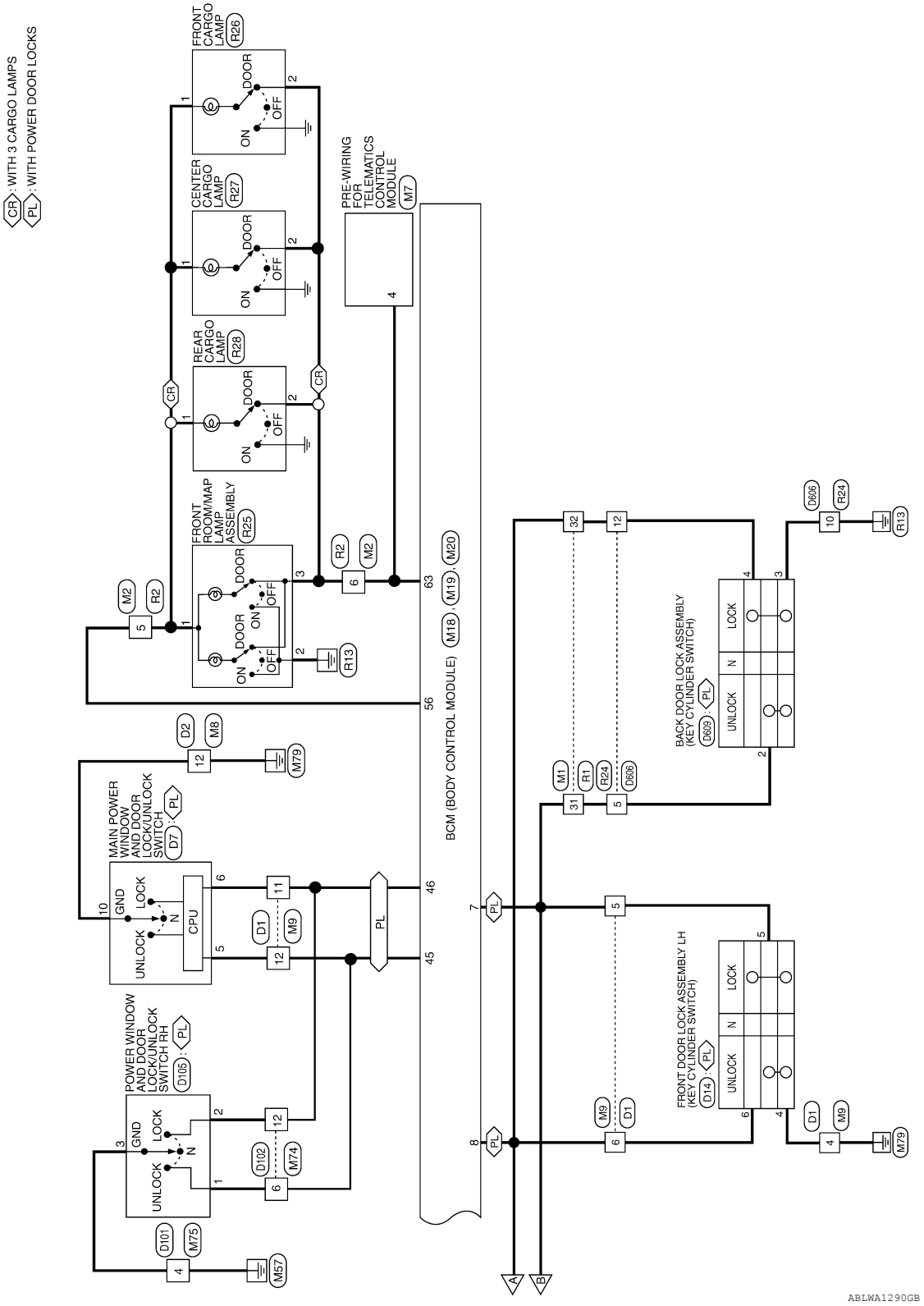
WIRING DIAGRAM

INTERIOR ROOM LAMP CONTROL SYSTEM

Wiring Diagram - Cargo Van

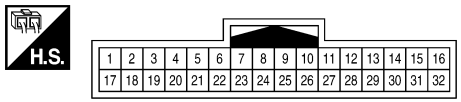
INFOID:0000000006738205




CR : WITH 3 CARGO LAMPS
PL : WITH POWER DOOR LOCKS
FRONT CARGO LAMP R26
CENTER CARGO LAMP R27
REAR CARGO LAMP R28
FRONT ROOM/MAP LAMP ASSEMBLY R25
PRE-WIRING FOR TELEMATICS CONTROL MODULE M7
BCM (BODY CONTROL MODULE) M18, M19, M20
MAIN POWER WINDOW AND DOOR LOCK/UNLOCK SWITCH D7
POWER WINDOW AND DOOR LOCK/UNLOCK SWITCH RH D105
BACK DOOR LOCK ASSEMBLY (KEY CYLINDER SWITCH) D609
FRONT DOOR LOCK ASSEMBLY LH (KEY CYLINDER SWITCH) D14
ABLWA1290GB

INTERIOR ROOM LAMP CONNECTORS - CARGO VAN

Connector No.	M1
Connector Name	WIRE TO WIRE
Connector Color	WHITE

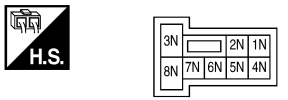


Terminal No.	Color of Wire	Signal Name
15	GR	–
16	O	–
31	Y	–
32	SB	–

Connector No.	M2
Connector Name	WIRE TO WIRE
Connector Color	WHITE

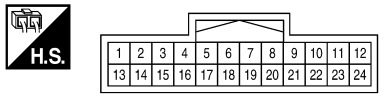
Terminal No.	Color of Wire	Signal Name
5	SB	–
6	L	–

Connector No.	M3
Connector Name	FUSE BLOCK (J/B)
Connector Color	WHITE



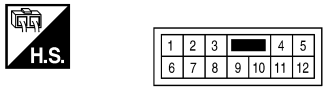
Terminal No.	Color of Wire	Signal Name
1N	LG	–

Connector No.	M7
Connector Name	PRE-WIRING FOR TELEMATICS CONTROL MODULE
Connector Color	WHITE



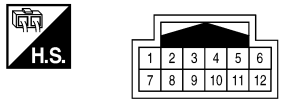
Terminal No.	Color of Wire	Signal Name
4	L	DOME LAMP (GND)

Connector No.	M8
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
12	B	–

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



Terminal No.	Color of Wire	Signal Name
4	B	–
5	Y	–
6	SB	–
11	R	–
12	GR	–

AALIA0599GB

Connector No.	M14
Connector Name	JOINT CONNECTOR-M04
Connector Color	BLUE

H.S.

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

Terminal No.	Color of Wire	Signal Name
6	R	–
9	R	–

Connector No.	M18
Connector Name	BCM (BODY CONTROL MODULE)
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	33	34	35	36	37	38	39	40

Terminal No.	Color of Wire	Signal Name
7	Y	KEY CYLINDER UNLOCK SW
8	SB	KEY CYLINDER LOCK SW
12	O	DOOR SW (AS)
13	GR	DOOR SW (RR)
37	BR	KEY SW
38	R	IGN SW
39	L	CAN-H
40	P	CAN-L

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

H.S.

41	42	43	44	45	46	47	48	49
50	51	52	53	54	55
---	---	---	---	---	---

Terminal No.	Color of Wire	Signal Name
45	GR	CENTRAL DOOR LOCK SW
46	R	CENTRAL DOOR UNLOCK SW
47	SB	DOOR SW (DR)
48	O	DOOR SW (SLIDE, BK LWR)

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

H.S.

56	57	58	59	60	61	62	63	64
65	66	67	68	69	70
---	---	---	---	---	---

Terminal No.	Color of Wire	Signal Name
56	SB	BATTERY SAVER OUTPUT
57	LG	BATTERY (FUSE)
63	L	ROOM LAMP OUTPUT
67	B	GND
70	R	BATTERY (F/L)

Connector No.	M27
Connector Name	KEY SWITCH
Connector Color	WHITE

H.S.

2	1

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

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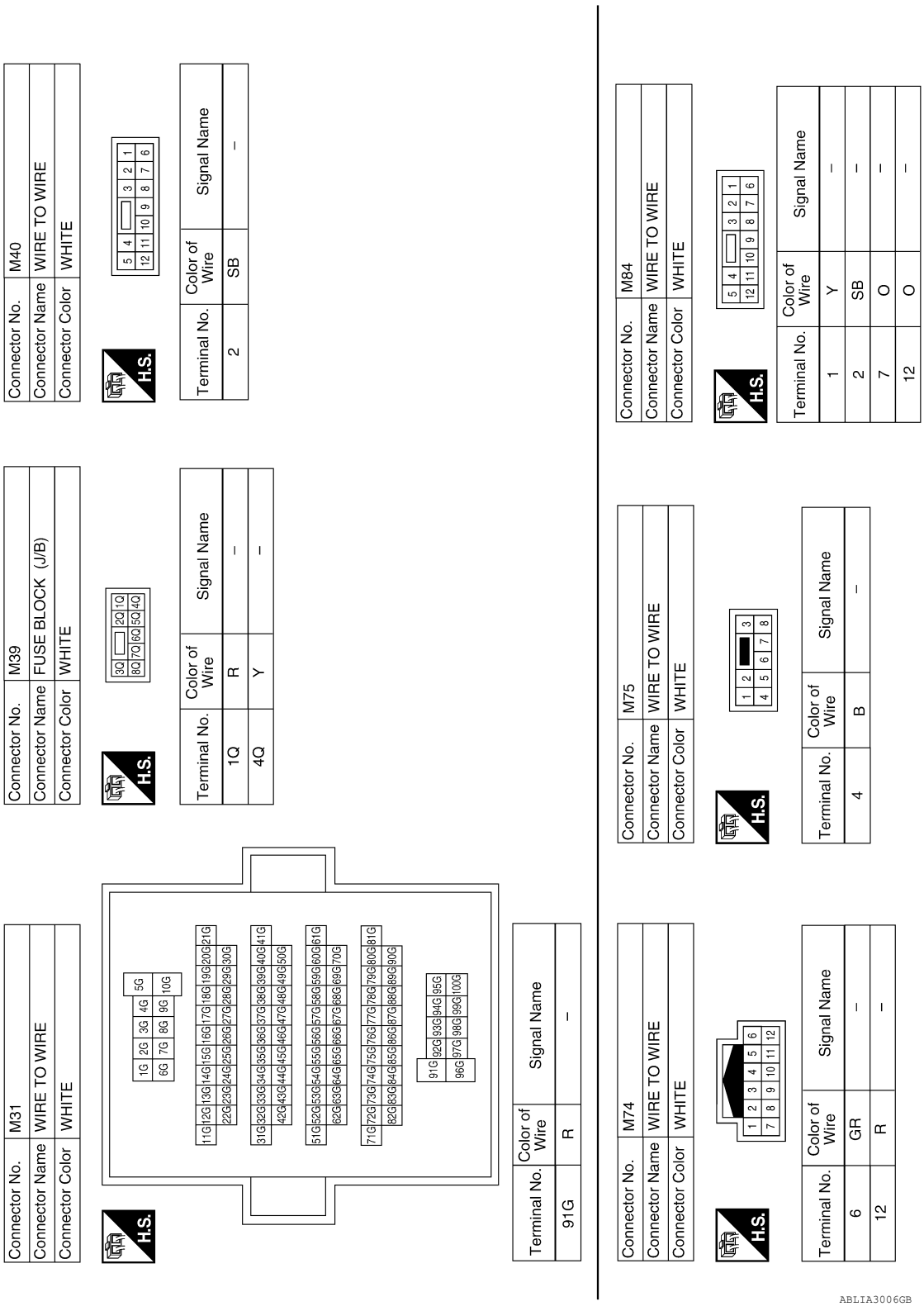
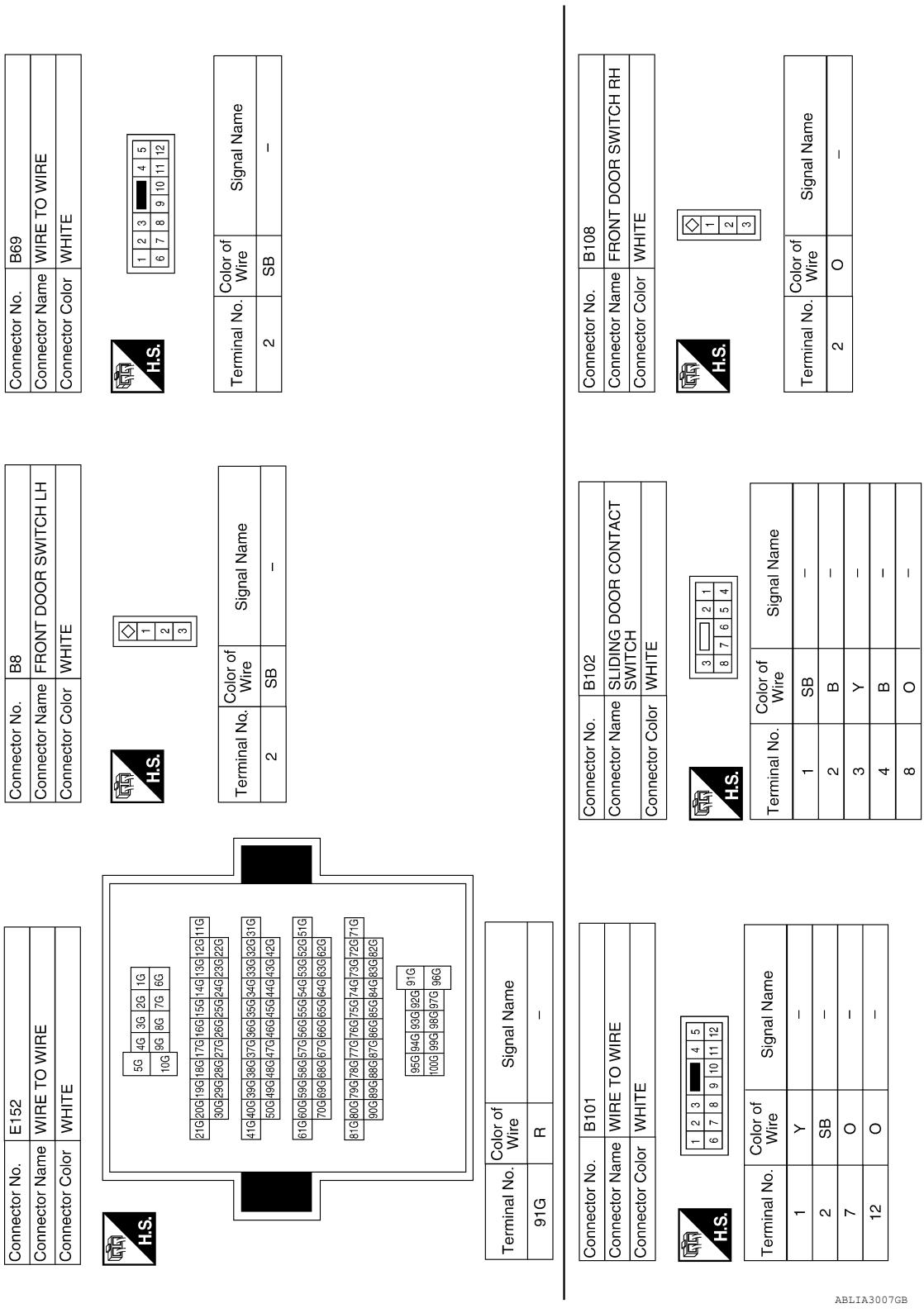
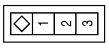

Connector No. M31
Connector Name WIRE TO WIRE
Connector Color WHITE
H.S.
1G 2G 3G 4G 5G
6G 7G 8G 9G 10G
11G 12G 13G 14G 15G 16G 17G 18G 19G 20G 21G
22G 23G 24G 25G 26G 27G 28G 29G 30G
31G 32G 33G 34G 35G 36G 37G 38G 39G 40G 41G
42G 43G 44G 45G 46G 47G 48G 49G 50G
51G 52G 53G 54G 55G 56G 57G 58G 59G 60G 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
91G R –
Connector No. M39
Connector Name FUSE BLOCK (J/B)
Connector Color WHITE
H.S.
3Q 2Q 1Q
8Q 7Q 6Q 5Q 4Q
Terminal No. Color of Wire Signal Name
1Q R –
4Q Y –
Connector No. M40
Connector Name WIRE TO WIRE
Connector Color WHITE
H.S.
5 4 3 2 1
12 11 10 9 8 7 6
Terminal No. Color of Wire Signal Name
2 SB –
Connector No. M74
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 GR –
12 R –
Connector No. M75
Connector Name WIRE TO WIRE
Connector Color WHITE
H.S.
1 2 3
4 5 6 7 8
Terminal No. Color of Wire Signal Name
4 B –
Connector No. M84
Connector Name WIRE TO WIRE
Connector Color WHITE
H.S.
5 4 3 2 1
12 11 10 9 8 7 6
Terminal No. Color of Wire Signal Name
1 Y –
2 SB –
7 O –
12 O –
ABLIA3006GB


Connector No. E152
Connector Name WIRE TO WIRE
Connector Color WHITE
H.S.
5G 4G 3G 2G 1G
10G 9G 8G 7G 6G
21G 20G 19G 18G 17G 16G 15G 14G 13G 12G 11G
30G 29G 28G 27G 26G 25G 24G 23G 22G
41G 40G 39G 38G 37G 36G 35G 34G 33G 32G 31G
50G 49G 48G 47G 46G 45G 44G 43G 42G
61G 60G 59G 58G 57G 56G 55G 54G 53G 52G 51G
70G 69G 68G 67G 66G 65G 64G 63G 62G
81G 80G 79G 78G 77G 76G 75G 74G 73G 72G 71G
90G 89G 88G 87G 86G 85G 84G 83G 82G
95G 94G 93G 92G 91G
100G 99G 98G 97G 96G
Terminal No. | Color of Wire | Signal Name
91G | R | –
Connector No. B8
Connector Name FRONT DOOR SWITCH LH
Connector Color WHITE
H.S.
Terminal No. | Color of Wire | Signal Name
2 | SB | –
Connector No. B69
Connector Name WIRE TO WIRE
Connector Color WHITE
H.S.
Terminal No. | Color of Wire | Signal Name
2 | SB | –
Connector No. B101
Connector Name WIRE TO WIRE
Connector Color WHITE
H.S.
Terminal No. | Color of Wire | Signal Name
1 | Y | –
2 | SB | –
7 | O | –
12 | O | –
Connector No. B102
Connector Name SLIDING DOOR CONTACT SWITCH
Connector Color WHITE
H.S.
Terminal No. | Color of Wire | Signal Name
1 | SB | –
2 | B | –
3 | Y | –
4 | B | –
8 | O | –
Connector No. B108
Connector Name FRONT DOOR SWITCH RH
Connector Color WHITE
H.S.
Terminal No. | Color of Wire | Signal Name
2 | O | –
ABLIA3007GB

Connector No.	B116
Connector Name	SLIDING DOOR SWITCH
Connector Color	WHITE

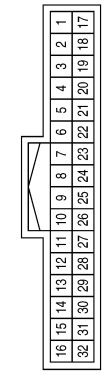
H.S.



Terminal No.	Color of Wire	Signal Name
2	O	–

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

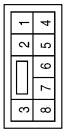
H.S.



Terminal No.	Color of Wire	Signal Name
15	GR	–
16	O	–
31	Y	–
32	SB	–

Connector No.	R2
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.



Terminal No.	Color of Wire	Signal Name
5	SB	–
6	L	–

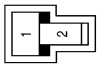
Connector No.	R14
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
4	O	–
12	B	–

Connector No.	R21
Connector Name	BACK DOOR SWITCH UPPER RH
Connector Color	WHITE

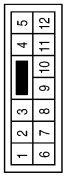
H.S.



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

Connector No.	R24
Connector Name	WIRE TO WIRE
Connector Color	WHITE

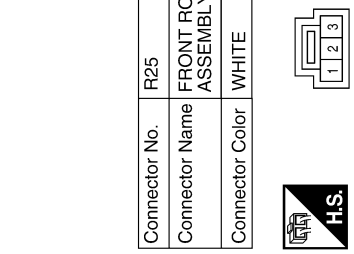
H.S.



Terminal No.	Color of Wire	Signal Name
4	O	–
5	Y	–
10	B	–
12	SB	–

ABLIA3008GB

Connector No.	R25
Connector Name	FRONT ROOM/MAP LAMP ASSEMBLY
Connector Color	WHITE



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

Connector No.	R26
Connector Name	FRONT CARGO LAMP
Connector Color	WHITE

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

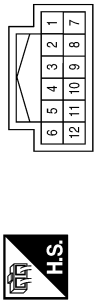
Connector No.	R27
Connector Name	CENTER CARGO LAMP
Connector Color	WHITE

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

Connector No.	R28
Connector Name	REAR CARGO LAMP
Connector Color	WHITE

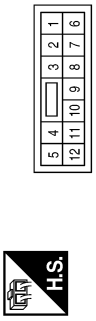
Terminal No.	Color of Wire	Signal Name
1	SB	–
2	L	–

Connector No.	D1
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
4	B	–
5	Y	–
6	SB	–
11	R	–
12	GR	–

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

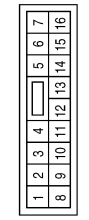


Terminal No.	Color of Wire	Signal Name
12	B	–

ABLIA3009GB

Connector No.	D7
Connector Name	MAIN POWER WINDOW AND DOOR LOCK/UNLOCK SWITCH
Connector Color	WHITE

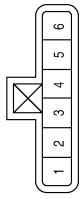
H.S.



Terminal No.	Color of Wire	Signal Name
5	GR	LOCK
6	R	UNLOCK
10	B	GND

Connector No.	D14
Connector Name	FRONT DOOR LOCK ASSEMBLY LH
Connector Color	GRAY

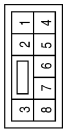
H.S.



Terminal No.	Color of Wire	Signal Name
4	B	GND
5	Y	UNLOCK
6	SB	LOCK

Connector No.	D101
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.



Terminal No.	Color of Wire	Signal Name
4	B	–

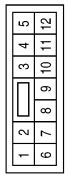
Connector No.	D102
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
6	GR	–
12	R	–

Connector No.	D105
Connector Name	POWER WINDOW AND DOOR LOCK/UNLOCK SWITCH RH
Connector Color	WHITE

H.S.



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

Connector No.	D301
Connector Name	SECONDARY SLIDING DOOR SWITCH
Connector Color	BLACK

H.S.

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

ABLIA3010GB

Connector No.	D303
Connector Name	SLIDING DOOR LOCK ASSEMBLY
Connector Color	GRAY

H.S.

Terminal No.	Color of Wire	Signal Name
2	BR	–
3	R	–
4	L	–

Connector No.	D402
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
4	O	–
12	B	–

Connector No.	D407
Connector Name	BACK DOOR SWITCH LOWER LH
Connector Color	BLACK

H.S.

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

Connector No.	D606
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
4	O	–
5	Y	–
10	B	–
12	SB	–

Connector No.	D607
Connector Name	BACK DOOR SWITCH LOWER RH
Connector Color	BLACK

H.S.

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

Connector No.	D609
Connector Name	BACK DOOR LOCK ASSEMBLY
Connector Color	GRAY

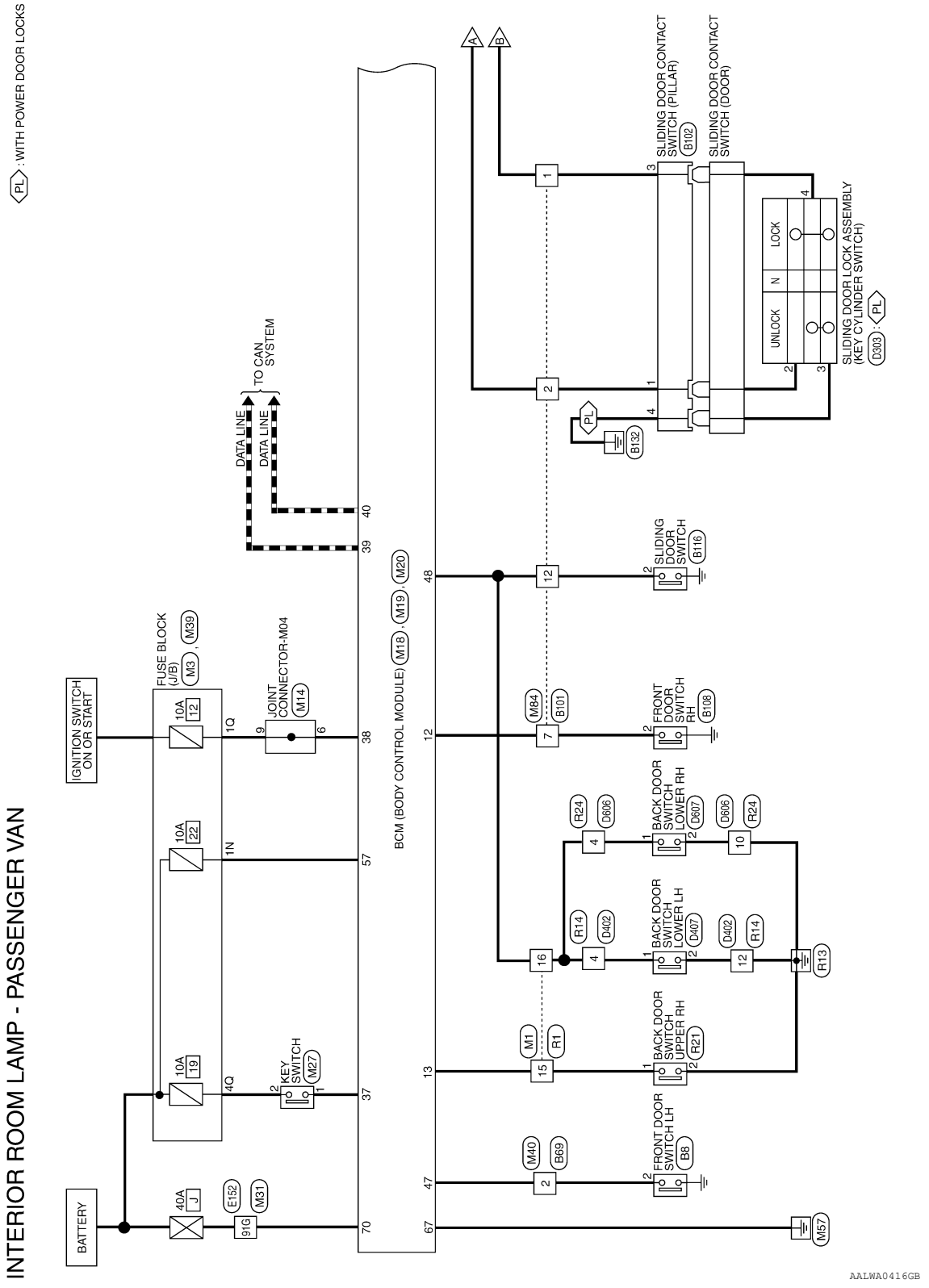
H.S.

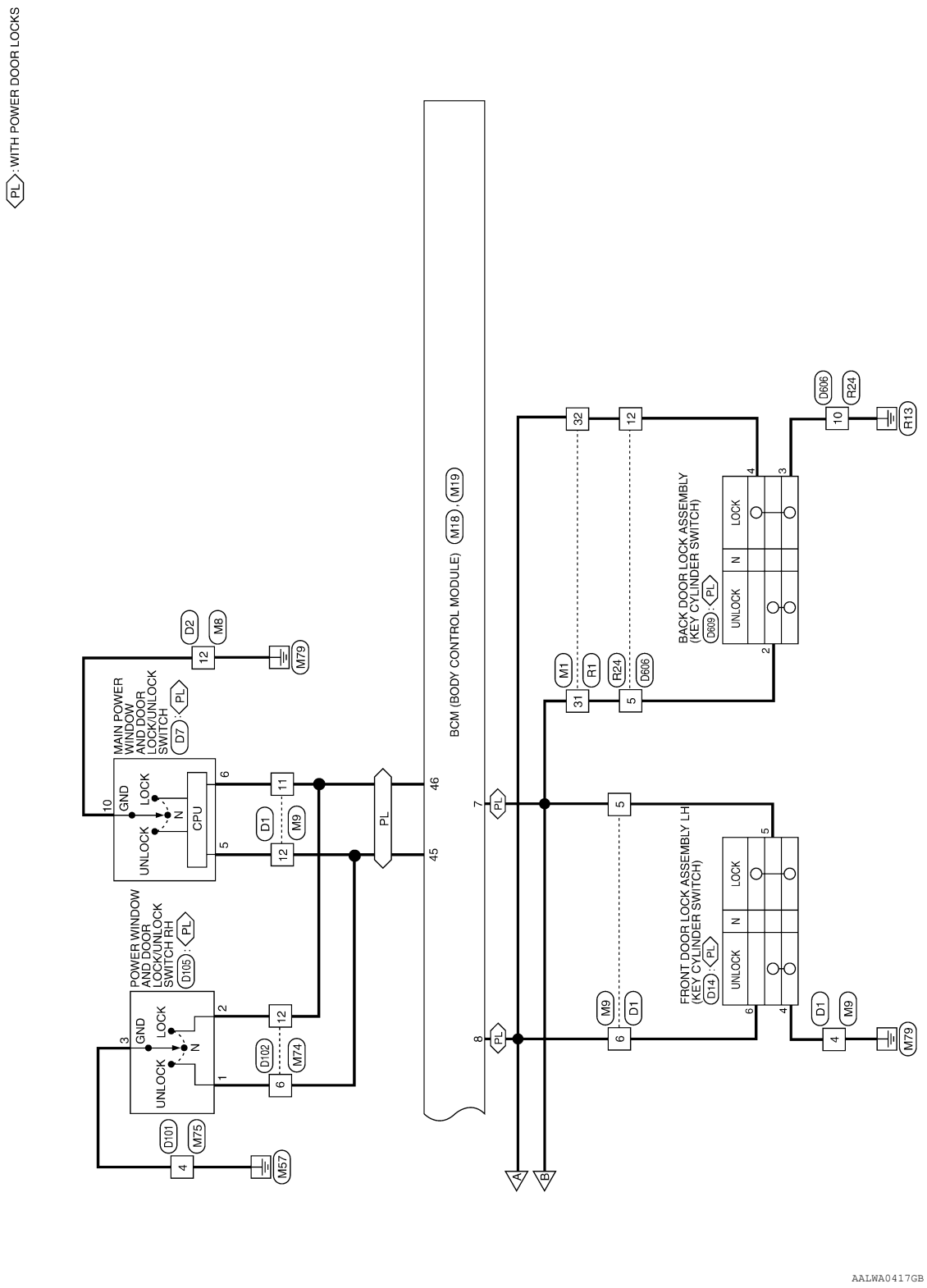
Terminal No.	Color of Wire	Signal Name
2	Y	UNLOCK
3	B	GND
4	SB	LOCK

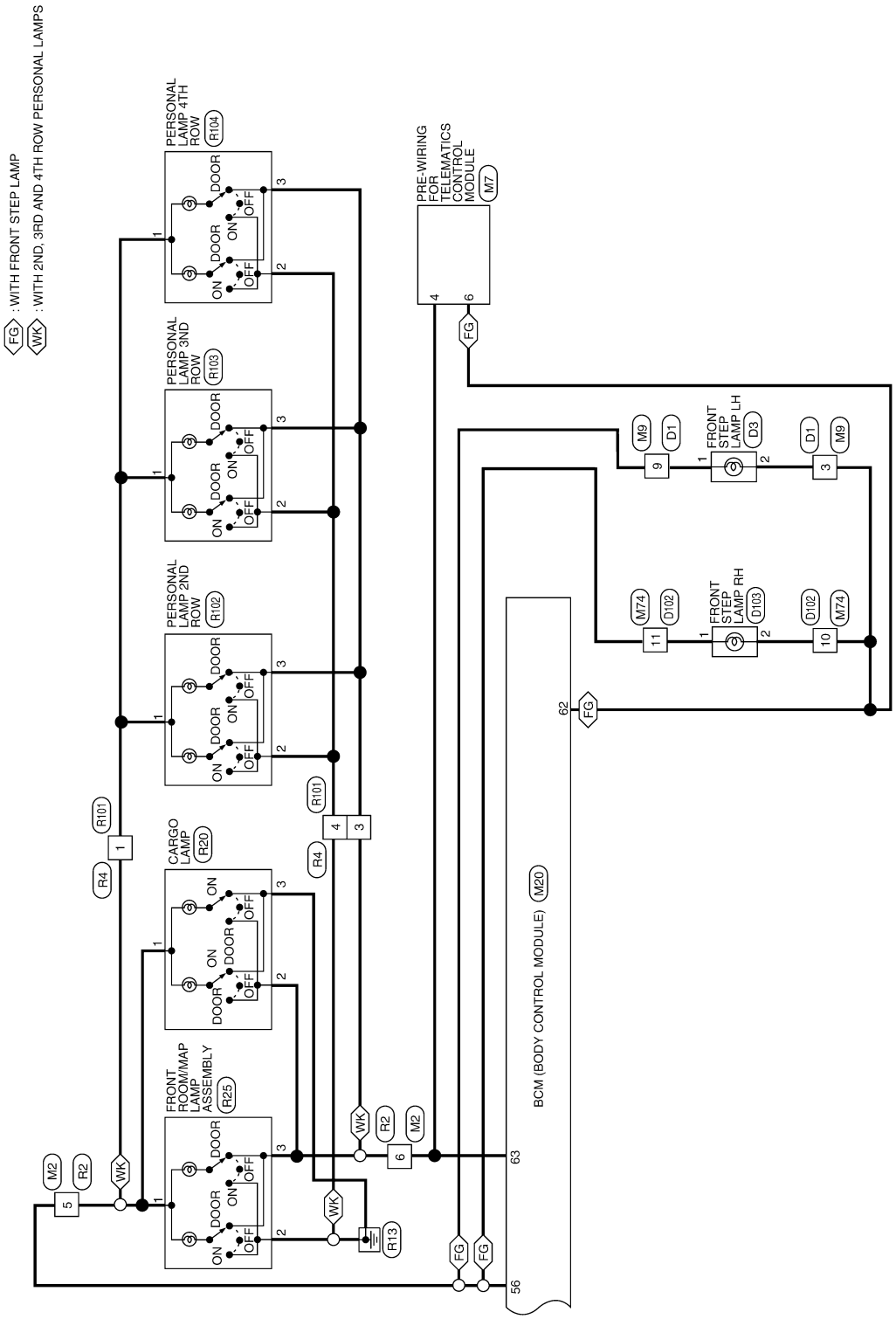
ABLIA3011GB

Wiring Diagram - Passenger Van

INFOID:0000000008130127




PL : WITH POWER DOOR LOCKS
BCM (BODY CONTROL MODULE) (M18), (M19)
MAIN POWER WINDOW AND DOOR LOCK/UNLOCK SWITCH (D7) : PL
POWER WINDOW AND DOOR LOCK/UNLOCK SWITCH RH (D105) : PL
BACK DOOR LOCK ASSEMBLY (KEY CYLINDER SWITCH) (D609) : PL
FRONT DOOR LOCK ASSEMBLY LH (KEY CYLINDER SWITCH) (D14) : PL
GND
LOCK
N
UNLOCK
CPU
PL
AALWA0417GB



AALWA0418GB

INTERIOR ROOM LAMP CONNECTORS - PASSENGER VAN

Connector No.	M1
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
15	GR	–
16	O	–
31	Y	–
32	SB	–

Connector No.	M2
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

1	2	3
4	5	6	7	8

Terminal No.	Color of Wire	Signal Name
5	SB	–
6	L	–

Connector No.	M3
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
1N	LG	–

Connector No.	M7
Connector Name	PRE-WIRING FOR TELEMATICS CONTROL MODULE
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
4	L	DOME LAMP (GND)
6	W	DOOR AJAR (ALL)

Connector No.	M8
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
12	B	–

Connector No.	M9
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
3	W	–
4	B	–
5	Y	–
6	SB	–
9	SB	–
11	R	–
12	GR	–

AALIA0597GB

Connector No.	M14
Connector Name	JOINT CONNECTOR-M04
Connector Color	BLUE

H.S.

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

Terminal No.	Color of Wire	Signal Name
6	R	–
9	R	–

Connector No.	M18
Connector Name	BCM (BODY CONTROL MODULE)
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	33	34	35	36	37	38	39	40

Terminal No.	Color of Wire	Signal Name
7	Y	KEY CYLINDER UNLOCK SW
8	SB	KEY CYLINDER LOCK SW
12	O	DOOR SW (AS)
13	GR	DOOR SW (RR)
37	BR	KEY SW
38	R	IGN SW
39	L	CAN-H
40	P	CAN-L

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

H.S.

41	42	43	44	45	46	47	48	49
50	51	52	53	54	55
---	---	---	---	---	---

Terminal No.	Color of Wire	Signal Name
45	GR	CENTRAL DOOR LOCK SW
46	R	CENTRAL DOOR UNLOCK SW
47	SB	DOOR SW (DR)
48	O	DOOR SW (SLIDE, BK LWR)

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

H.S.

56	57	58	59	60	61	62	63	64
65	66	67	68	69	70
---	---	---	---	---	---

Terminal No.	Color of Wire	Signal Name
56	SB	BATTERY SAVER OUTPUT
57	LG	BATTERY (FUSE)
62	L	STEP LAMP OUTPUT
63	L	ROOM LAMP OUTPUT
67	B	GND
70	R	BATTERY (F/L)

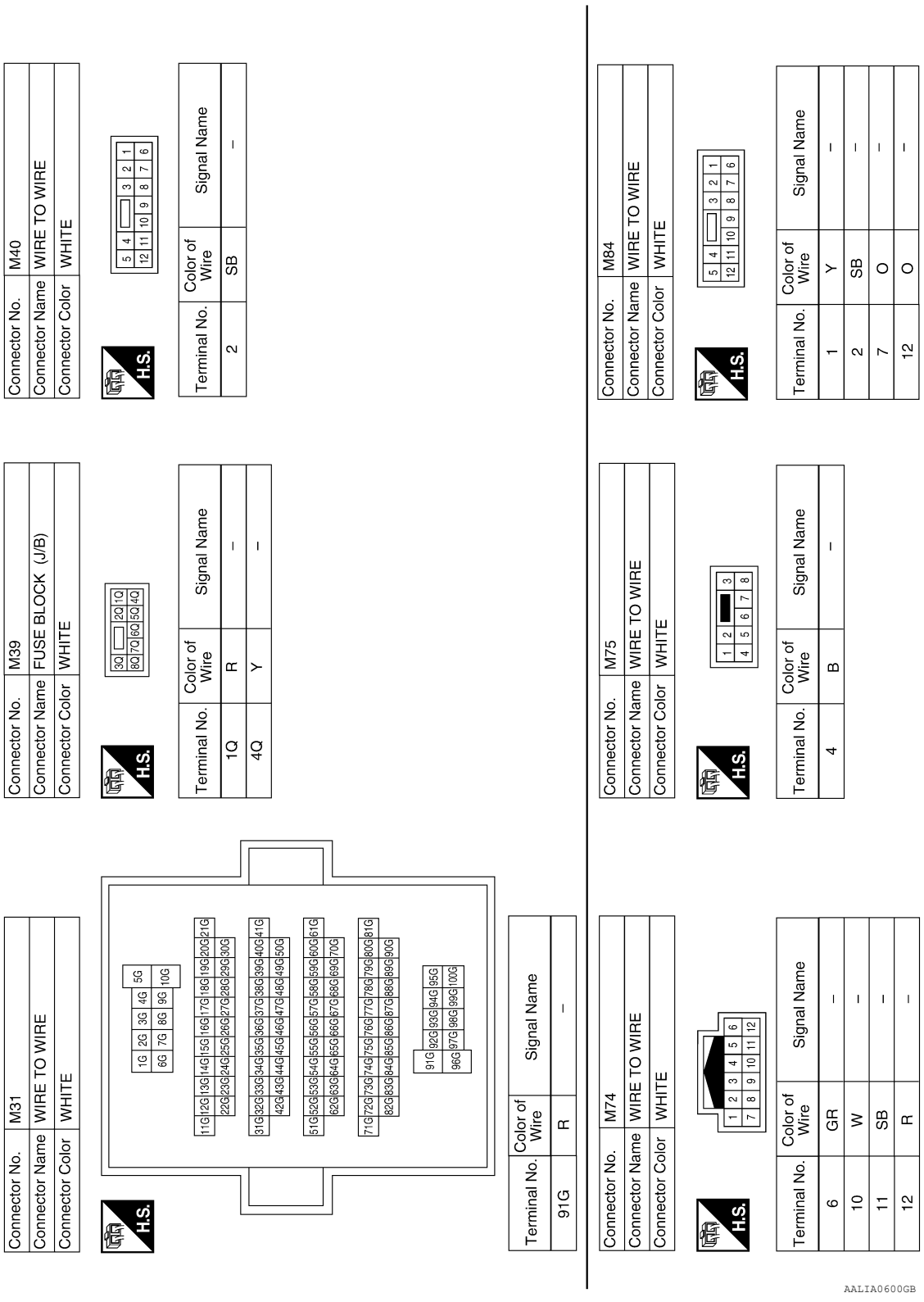
Connector No.	M27
Connector Name	KEY SWITCH
Connector Color	WHITE

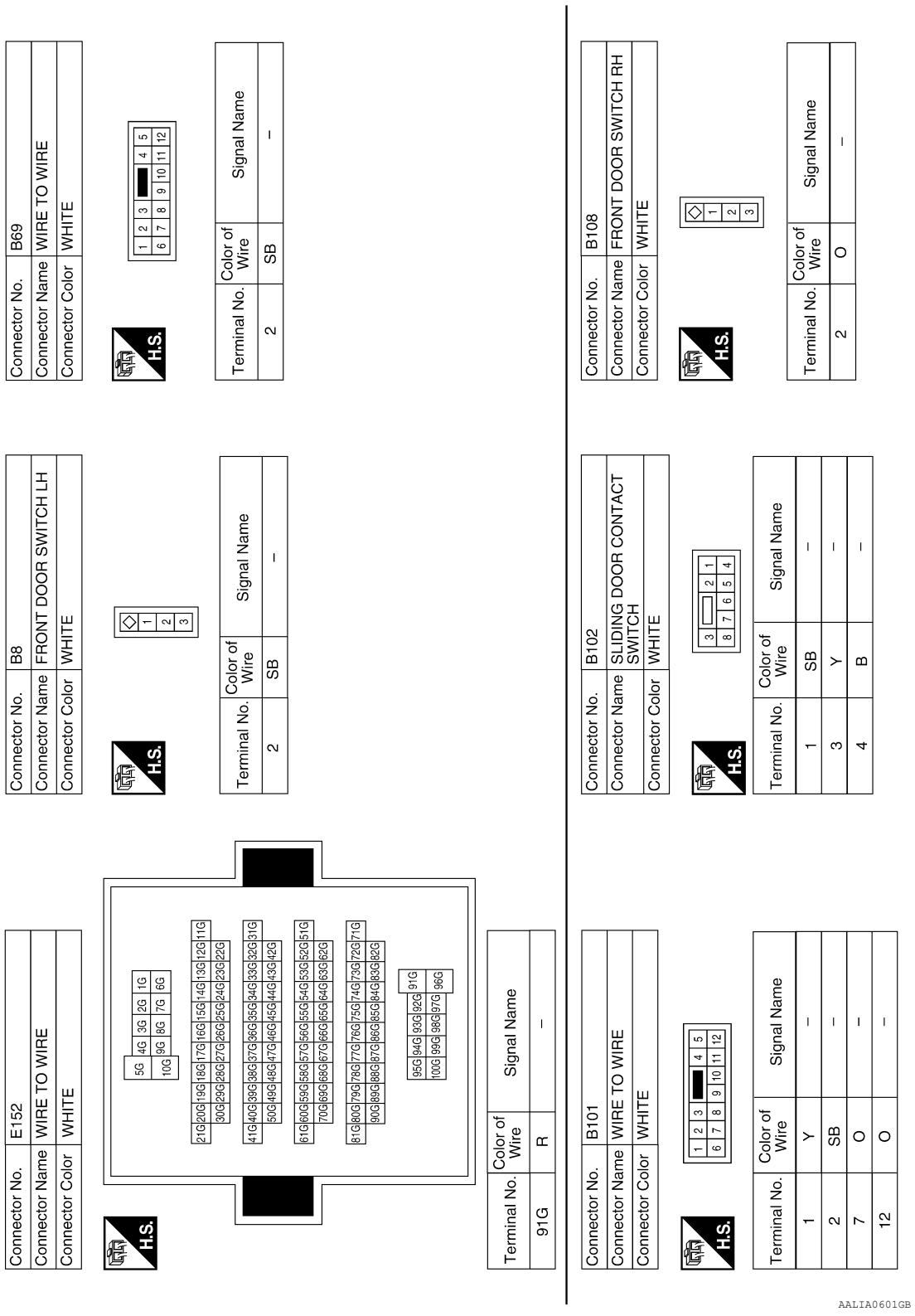
H.S.

2	1

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

AALIA0598GB


Connector No. M40
Connector Name WIRE TO WIRE
Connector Color WHITE
H.S.
Terminal No. Color of Wire Signal Name
2 SB –
Connector No. M39
Connector Name FUSE BLOCK (J/B)
Connector Color WHITE
H.S.
Terminal No. Color of Wire Signal Name
1Q R –
4Q Y –
Connector No. M84
Connector Name WIRE TO WIRE
Connector Color WHITE
H.S.
Terminal No. Color of Wire Signal Name
1 Y –
2 SB –
7 O –
12 O –
Connector No. M75
Connector Name WIRE TO WIRE
Connector Color WHITE
H.S.
Terminal No. Color of Wire Signal Name
4 B –
Connector No. M31
Connector Name WIRE TO WIRE
Connector Color WHITE
H.S.
Terminal No. Color of Wire Signal Name
91G R –
Connector No. M74
Connector Name WIRE TO WIRE
Connector Color WHITE
H.S.
Terminal No. Color of Wire Signal Name
6 GR –
10 W –
11 SB –
12 R –
AALIA0600GB


Connector No. E152
Connector Name WIRE TO WIRE
Connector Color WHITE
H.S.
Terminal No. Color of Wire Signal Name
91G R –
Connector No. B8
Connector Name FRONT DOOR SWITCH LH
Connector Color WHITE
H.S.
Terminal No. Color of Wire Signal Name
2 SB –
Connector No. B69
Connector Name WIRE TO WIRE
Connector Color WHITE
H.S.
Terminal No. Color of Wire Signal Name
2 SB –
Connector No. B101
Connector Name WIRE TO WIRE
Connector Color WHITE
H.S.
Terminal No. Color of Wire Signal Name
1 Y –
2 SB –
7 O –
12 O –
Connector No. B102
Connector Name SLIDING DOOR CONTACT SWITCH
Connector Color WHITE
H.S.
Terminal No. Color of Wire Signal Name
1 SB –
3 Y –
4 B –
Connector No. B108
Connector Name FRONT DOOR SWITCH RH
Connector Color WHITE
H.S.
Terminal No. Color of Wire Signal Name
2 O –
AALIA0601GB

Connector No.	B116
Connector Name	SLIDING DOOR SWITCH
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
2	O	–

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

H.S.

Terminal No.	Color of Wire	Signal Name
15	GR	–
16	O	–
31	Y	–
32	SB	–

Connector No.	R2
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
5	SB	–
6	L	–

Connector No.	R4
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

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

Connector No.	R14
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
4	O	–
12	B	–

Connector No.	R20
Connector Name	CARGO LAMP
Connector Color	WHITE

H.S.

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

AALIA0602GB

Connector No.	R21
Connector Name	BACK DOOR SWITCH UPPER RH
Connector Color	WHITE

H.S.

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

Connector No.	R24
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
4	O	–
5	Y	–
10	B	–
12	SB	–

Connector No.	R25
Connector Name	FRONT ROOM/MAP LAMP ASSEMBLY
Connector Color	WHITE

H.S.

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

Connector No.	R101
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

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

Connector No.	R102
Connector Name	PERSONAL LAMP 2ND ROW
Connector Color	WHITE

H.S.

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

Connector No.	R103
Connector Name	PERSONAL LAMP 3RD ROW
Connector Color	WHITE

H.S.

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

AALIA0603GB

Connector No.	R104
Connector Name	PERSONAL LAMP 4TH ROW
Connector Color	WHITE

H.S.

1	2	3

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

Connector No.	D1
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

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

Terminal No.	Color of Wire	Signal Name
3	W	–
4	B	–
5	Y	–
6	SB	–
9	SB	–
11	R	–
12	GR	–

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

H.S.

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

Terminal No.	Color of Wire	Signal Name
12	B	–

Connector No.	D3
Connector Name	FRONT STEP LAMP LH
Connector Color	WHITE

H.S.

2	1

Terminal No.	Color of Wire	Signal Name
1	SB	–
2	W	–

Connector No.	D7
Connector Name	MAIN POWER WINDOW AND DOOR LOCK/UNLOCK SWITCH
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
5	GR	LOCK
6	R	UNLOCK
10	B	GND

Connector No.	D14
Connector Name	FRONT DOOR LOCK ASSEMBLY LH
Connector Color	GRAY

H.S.

1	2	3	4	5	6

Terminal No.	Color of Wire	Signal Name
4	B	GND
5	Y	UNLOCK
6	SB	LOCK

AALIA0604GB

Connector No.	D101
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
4	B	–

Connector No.	D102
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
6	GR	–
10	W	–
11	SB	–
12	R	–

Connector No.	D103
Connector Name	FRONT STEP LAMP RH
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
1	SB	–
2	W	–

Connector No.	D105
Connector Name	POWER WINDOW AND DOOR LOCK/UNLOCK SWITCH RH
Connector Color	WHITE

H.S.

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

Connector No.	D303
Connector Name	SLIDING DOOR LOCK ASSEMBLY
Connector Color	GRAY

H.S.

Terminal No.	Color of Wire	Signal Name
2	BR	–
3	R	–
4	L	–

Connector No.	D402
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
4	O	–
12	B	–

AALIA0605GB

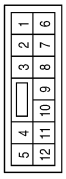
Connector No.	D407
Connector Name	BACK DOOR SWITCH LOWER LH
Connector Color	BLACK

H.S.

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

Connector No.	D606
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.



Terminal No.	Color of Wire	Signal Name
4	O	–
5	Y	–
10	B	–
12	SB	–

Connector No.	D607
Connector Name	BACK DOOR SWITCH LOWER RH
Connector Color	BLACK

H.S.

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

Connector No.	D609
Connector Name	BACK DOOR LOCK ASSEMBLY
Connector Color	GRAY

H.S.

Terminal No.	Color of Wire	Signal Name
2	Y	UNLOCK
3	B	GND
4	SB	LOCK

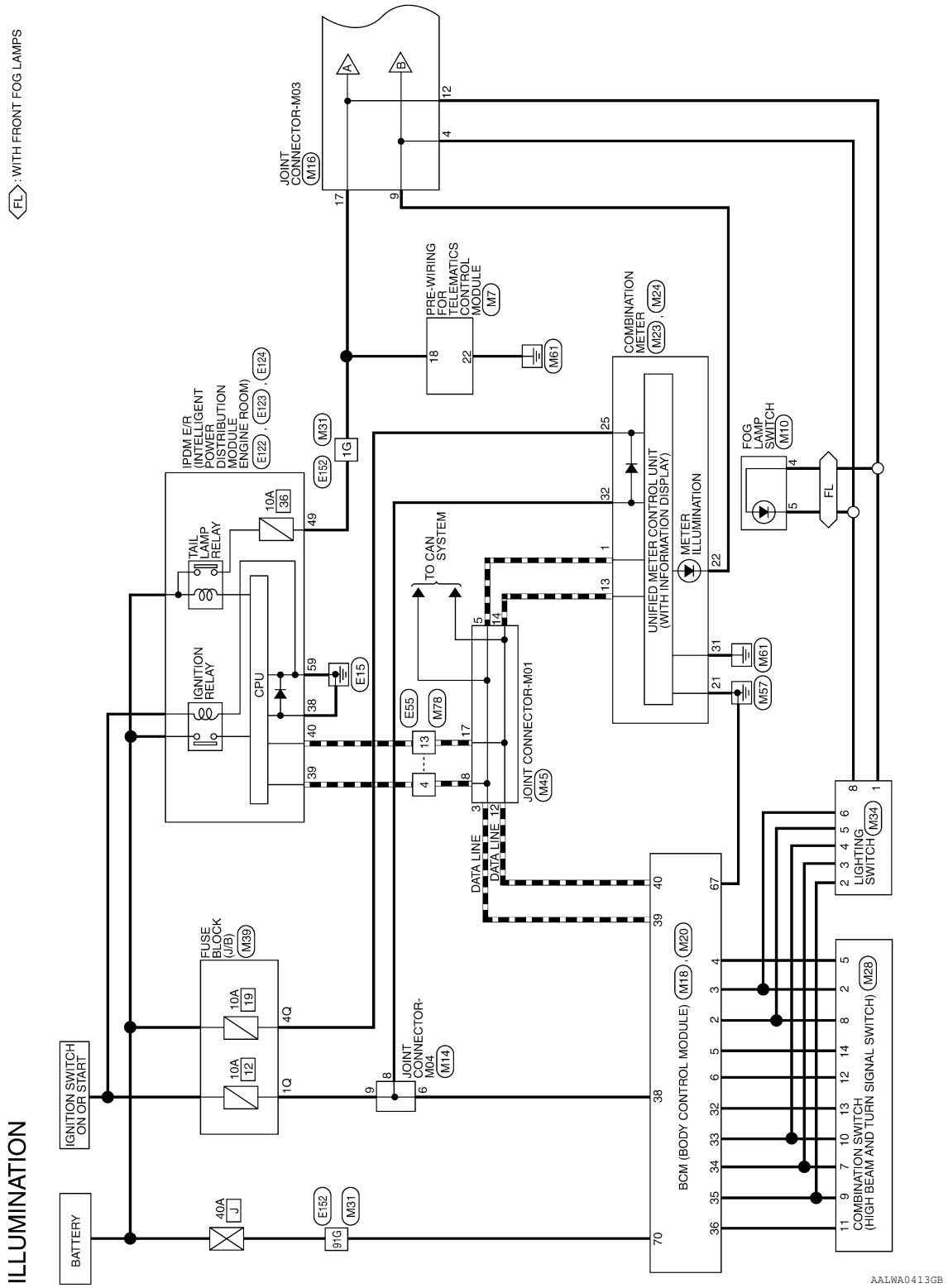
AALIA0606GB

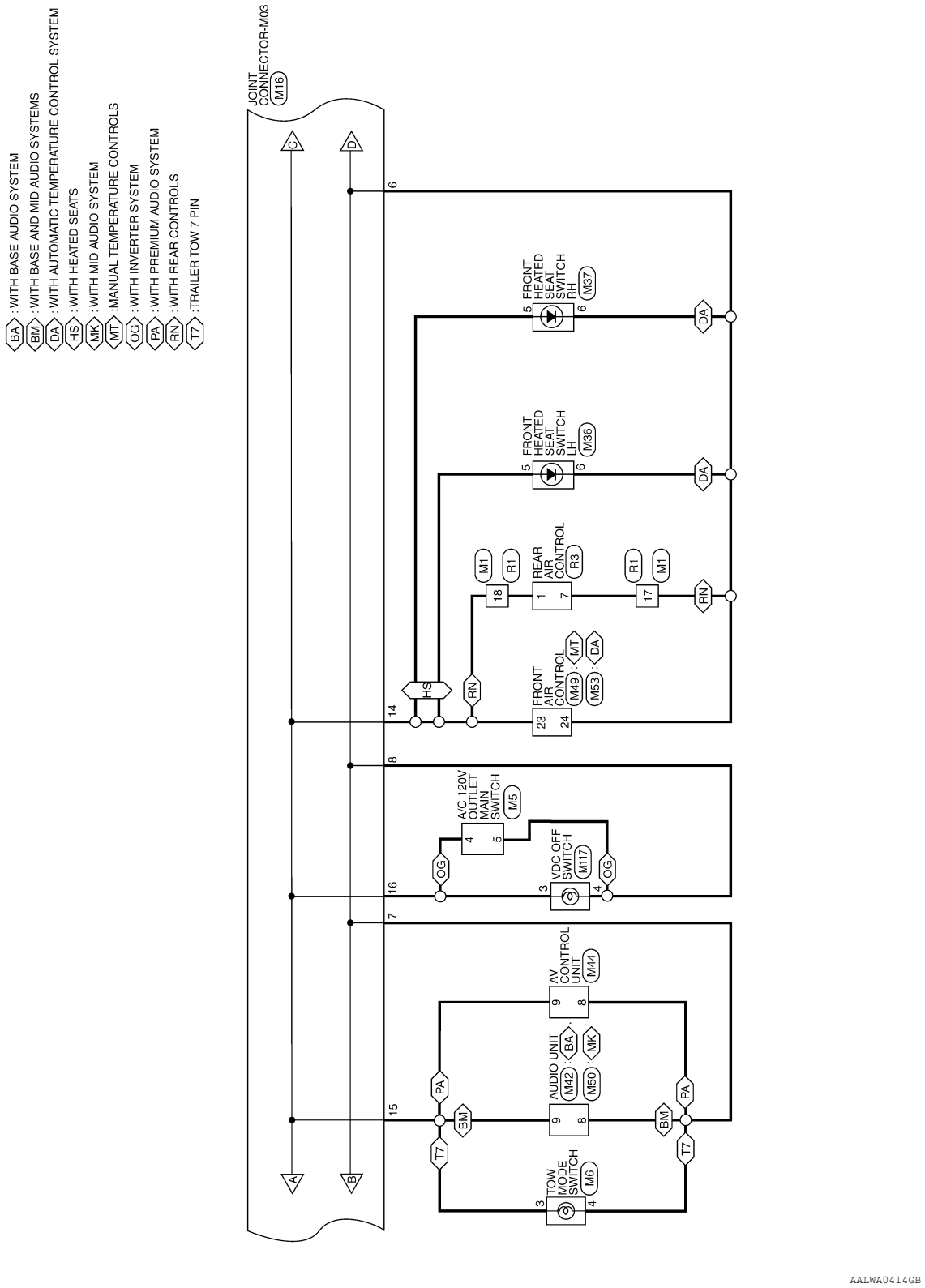
< WIRING DIAGRAM >

ILLUMINATION

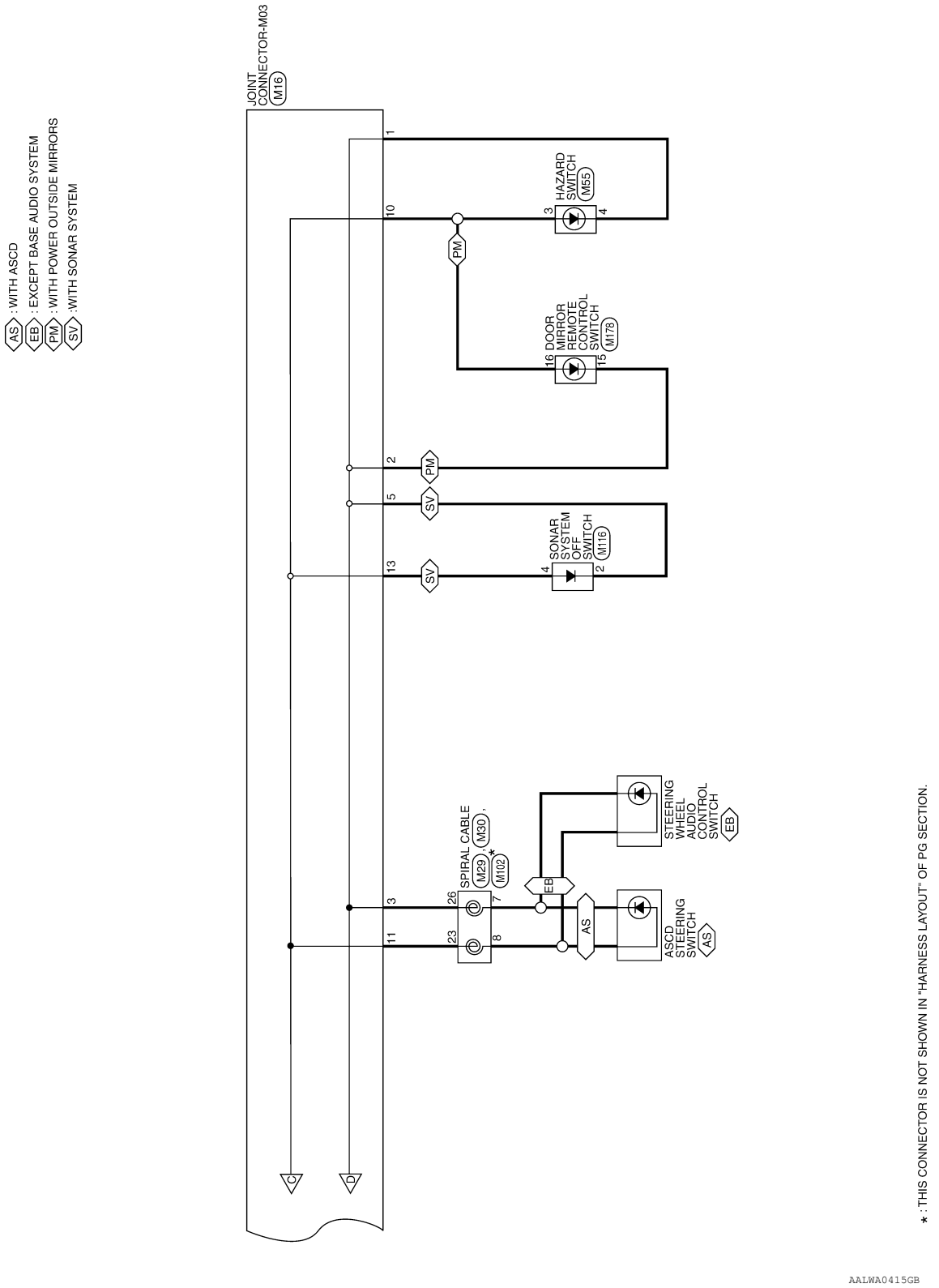
Wiring Diagram

INFOID:0000000006738206





AALWA0414GB


AS : WITH ASCD
EB : EXCEPT BASE AUDIO SYSTEM
PM : WITH POWER OUTSIDE MIRRORS
SV : WITH SONAR SYSTEM
JOINT CONNECTOR-M03 (M16)
HAZARD SWITCH (M55)
DOOR MIRROR REMOTE CONTROL SWITCH (M178)
SONAR SYSTEM OFF SWITCH (M116)
SPIRAL CABLE (M29) : * (M30) (M102)
STEERING WHEEL AUDIO CONTROL SWITCH EB
ASCD STEERING SWITCH AS
C
D
* : THIS CONNECTOR IS NOT SHOWN IN "HARNESS LAYOUT" OF PG SECTION.
AALWA0415GB

ILLUMINATION CONNECTORS

Connector No.	M1
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
17	BR	–
18	V	–

Connector No.	M5
Connector Name	A/C 120V OUTLET MAIN SWITCH
Connector Color	WHITE

H.S.

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

Terminal No.	Color of Wire	Signal Name
4	V	ILL CONT SW (+)
5	BR	ILL CONT SW (-)

Connector No.	M6
Connector Name	TOW MODE SWITCH
Connector Color	GRAY

H.S.

4	3	2	1

Terminal No.	Color of Wire	Signal Name
3	V	–
4	BR	–

Connector No.	M7
Connector Name	PRE-WIRING FOR TELEMATICS CONTROL MODULE
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
18	V	ILL +
22	B	GROUND

Connector No.	M10
Connector Name	FOG LAMP SWITCH
Connector Color	WHITE

H.S.

4	1
2	5

Terminal No.	Color of Wire	Signal Name
4	V	–
5	BR	–

Connector No.	M14
Connector Name	JOINT CONNECTOR-M04
Connector Color	BLUE

H.S.

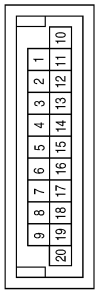
9	8	7	6	5	4	3	2	1
20	19	18	17	16	15	14	13	12	11	10
---	---	---	---	---	---	---	---	---	---	---

Terminal No.	Color of Wire	Signal Name
6	R	–
8	R	–
9	R	–

AALIA0590GB

Connector No.	M16
Connector Name	JOINT CONNECTOR-M03
Connector Color	BLUE

H.S.



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

Terminal No.	Color of Wire	Signal Name
10	V	–
11	V	–
12	V	–
13	V	–
14	V	–
15	V	–
16	V	–
17	V	–

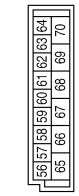
Connector No.	M18
Connector Name	BCM (BODY CONTROL MODULE)
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
2	L	INPUT 5
3	P	INPUT 4
4	LG	INPUT 3
5	O	INPUT 2
6	R	INPUT 1
32	SB	OUTPUT 5
33	G	OUTPUT 4
34	Y	OUTPUT 3
35	BR	OUTPUT 2
36	Y	OUTPUT 1
38	R	IGN SW
39	L	CAN-H
40	P	CAN-L

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

H.S.



Terminal No.	Color of Wire	Signal Name
67	B	GND
70	R	BATTERY (F/L)

AALIA0591GB

Connector No.	M23
Connector Name	COMBINATION METER
Connector Color	WHITE

H.S.

30	29	28	27	26	25
36	35	34	33	32	31

Terminal No.	Color of Wire	Signal Name
25	Y	BATTERY
31	B	GND (POWER)
32	R	RUN START

Connector No.	M24
Connector Name	COMBINATION METER
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	L	CAN-H
13	P	CAN-L
21	B	GND (ILL)
22	BR	ILLUMINATION CONTROL

Connector No.	M28
Connector Name	COMBINATION SWITCH
Connector Color	WHITE

H.S.

1	2					5	6
7	8	9	10	11	12	13	14

Terminal No.	Color of Wire	Signal Name
2	P	OUTPUT 4
5	LG	OUTPUT 3
7	Y	INPUT 3
8	L	OUTPUT 5
9	BR	INPUT 2
10	G	INPUT 4
11	Y	INPUT 1
12	R	OUTPUT 1
13	SB	INPUT 5
14	O	OUTPUT 2

Connector No.	M29
Connector Name	SPIRAL CABLE
Connector Color	YELLOW

H.S.

21	22	23
28	29	30

Terminal No.	Color of Wire	Signal Name
23	V	ILL +

Connector No.	M30
Connector Name	SPIRAL CABLE
Connector Color	GRAY

H.S.

24	25	26	27
31	32	33	34

Terminal No.	Color of Wire	Signal Name
26	BR	–

AALIA0592GB

Connector No.	M31
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
1G	V	–
91G	R	–

Connector No.	M34
Connector Name	LIGHTING SWITCH
Connector Color	WHITE

H.S.

1	2	3	4
5	6	7	8

Terminal No.	Color of Wire	Signal Name
1	V	ILL (+)
2	BR	INPUT 2
3	Y	INPUT 3
4	G	INPUT 4
5	L	OUTPUT 5
6	P	OUTPUT 4
8	BR	ILL (-)

Connector No.	M36
Connector Name	FRONT HEATED SEAT SWITCH LH
Connector Color	WHITE

H.S.

5		6
4	2	1	3

Terminal No.	Color of Wire	Signal Name
5	V	–
6	BR	–

Connector No.	M37
Connector Name	FRONT HEATED SEAT SWITCH RH
Connector Color	BROWN

H.S.

5		6
4	2	1	3

Terminal No.	Color of Wire	Signal Name
5	V	–
6	BR	–

Connector No.	M39
Connector Name	FUSE BLOCK (J/B)
Connector Color	WHITE

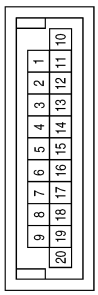
H.S.

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

Terminal No.	Color of Wire	Signal Name
1Q	R	–
4Q	Y	–

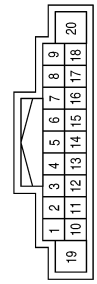
AALIA0593GB

Connector No.	M45
Connector Name	JOINT CONNECTOR-M01
Connector Color	BLUE



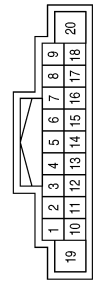
Terminal No.	Color of Wire	Signal Name
3	L	–
5	L	–
8	L	–
12	P	–
14	P	–
17	P	–

Connector No.	M44
Connector Name	AV CONTROL UNIT (WITH PREMIUM AUDIO SYSTEM)
Connector Color	WHITE



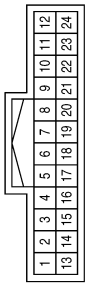
Terminal No.	Color of Wire	Signal Name
8	BR	ILL CONT (-)
9	V	ILL CONT (+)

Connector No.	M42
Connector Name	AUDIO UNIT (WITH BASE AUDIO SYSTEM)
Connector Color	WHITE



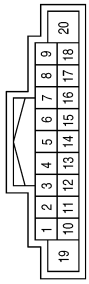
Terminal No.	Color of Wire	Signal Name
8	BR	ILL (-)
9	V	ILL (+) , LIGHT SW

Connector No.	M53
Connector Name	FRONT AIR CONTROL (WITH AUTOMATIC AIR CONDITIONER)
Connector Color	WHITE



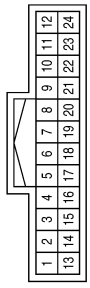
Terminal No.	Color of Wire	Signal Name
23	V	ILL+
24	BR	ILL-

Connector No.	M50
Connector Name	AUDIO UNIT (WITH MID AUDIO SYSTEM)
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
8	BR	ILL (-)
9	V	ILL (+) , LIGHT SW

Connector No.	M49
Connector Name	FRONT AIR CONTROL (WITH MANUAL AIR CONDITTIONER)
Connector Color	WHITE

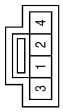


Terminal No.	Color of Wire	Signal Name
23	V	ILL +
24	BR	ILL -

AALIA0594GB

Connector No.	M55
Connector Name	HAZARD SWITCH
Connector Color	WHITE

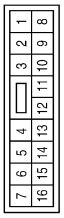
H.S.



Terminal No.	Color of Wire	Signal Name
3	V	–
4	BR	–

Connector No.	M78
Connector Name	WIRE TO WIRE
Connector Color	WHITE

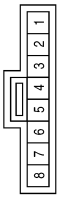
H.S.



Terminal No.	Color of Wire	Signal Name
4	L	–
13	P	–

Connector No.	M102
Connector Name	SPIRAL CABLE
Connector Color	GRAY

H.S.



Terminal No.	Color of Wire	Signal Name
7	P	–
8	Y	–

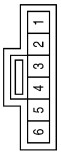
Connector No.	M116
Connector Name	SONAR SYSTEM OFF SWITCH
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
2	BR	–
4	V	–

Connector No.	M117
Connector Name	VDC OFF SWITCH
Connector Color	GRAY

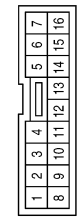
H.S.



Terminal No.	Color of Wire	Signal Name
3	V	–
4	BR	–

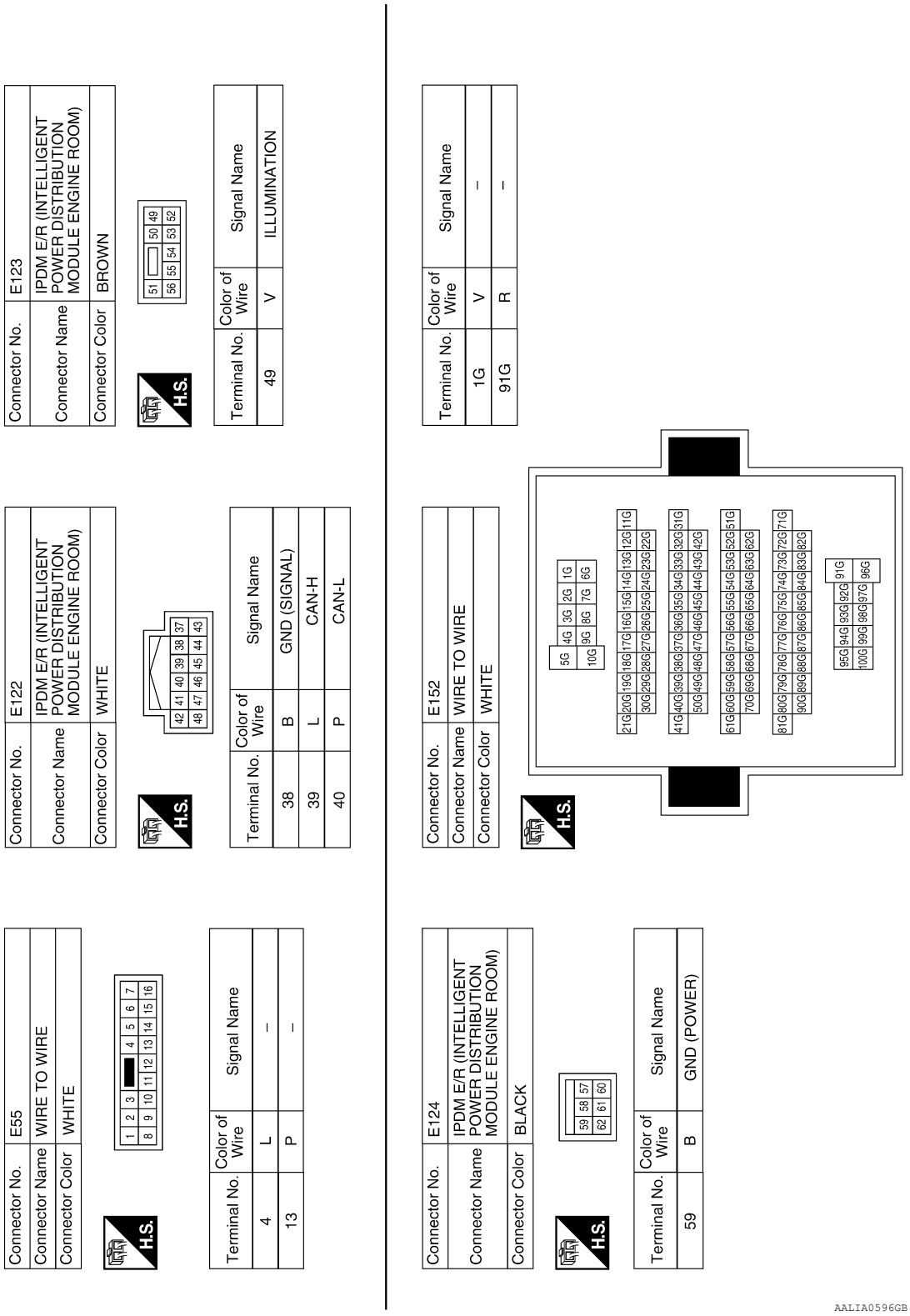
Connector No.	M178
Connector Name	DOOR MIRROR REMOTE CONTROL SWITCH
Connector Color	WHITE

H.S.



Terminal No.	Color of Wire	Signal Name
15	BR	–
16	V	–

AALIA0595GB


Connector No. E55
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 L –
13 P –
Connector No. E122
Connector Name IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Color WHITE
H.S.
42 41 40 39 38 37
48 47 46 45 44 43
Terminal No. Color of Wire Signal Name
38 B GND (SIGNAL)
39 L CAN-H
40 P CAN-L
Connector No. E123
Connector Name IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Color BROWN
H.S.
51 50 49
56 55 54 53 52
Terminal No. Color of Wire Signal Name
49 V ILLUMINATION
Connector No. E124
Connector Name IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Color BLACK
H.S.
59 58 57
62 61 60
Terminal No. Color of Wire Signal Name
59 B GND (POWER)
Connector No. E152
Connector Name WIRE TO WIRE
Connector Color WHITE
H.S.
5G 4G 3G 2G 1G
10G 9G 8G 7G 6G
21G 20G 19G 18G 17G 16G 15G 14G 13G 12G 11G
30G 29G 28G 27G 26G 25G 24G 23G 22G
41G 40G 39G 38G 37G 36G 35G 34G 33G 32G 31G
50G 49G 48G 47G 46G 45G 44G 43G 42G
61G 60G 59G 58G 57G 56G 55G 54G 53G 52G 51G
70G 69G 68G 67G 66G 65G 64G 63G 62G
81G 80G 79G 78G 77G 76G 75G 74G 73G 72G 71G
90G 89G 88G 87G 86G 85G 84G 83G 82G
95G 94G 93G 92G 91G
100G 99G 98G 97G 96G
Terminal No. Color of Wire Signal Name
1G V –
91G R –
AALIA0596GB

Connector No.	R1
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
17	BR	–
18	V	–

Connector No.	R3
Connector Name	REAR AIR CONTROL
Connector Color	WHITE

H.S.

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

Terminal No.	Color of Wire	Signal Name
1	V	–
7	BR	–

ABLIA3638GB

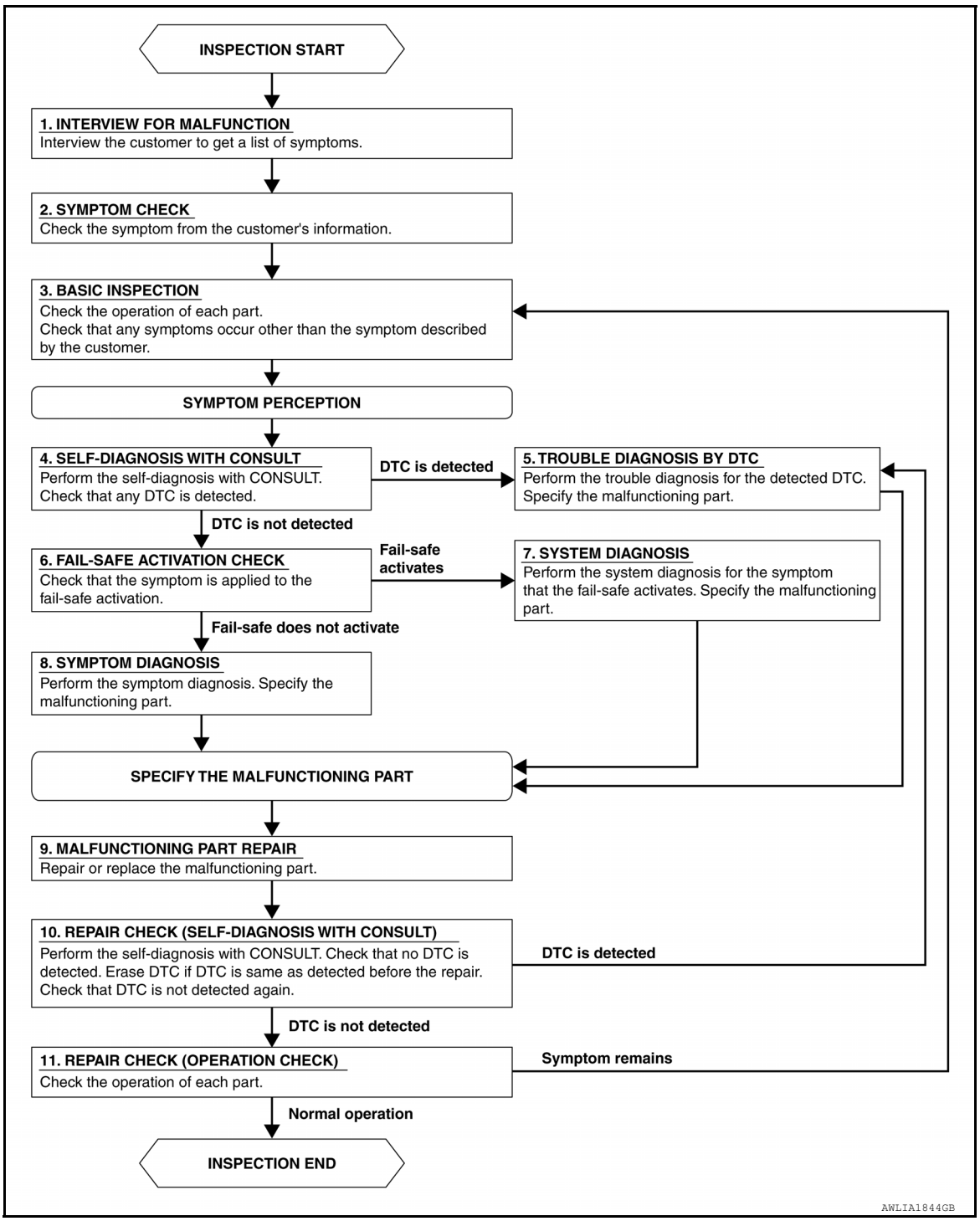
BASIC INSPECTION

DIAGNOSIS AND REPAIR WORKFLOW

Work Flow

INFOID:0000000006738171

OVERALL SEQUENCE



DETAILED FLOW

1.INTERVIEW FOR MALFUNCTION

Find out what the customer's concerns are.

>> GO TO 2

2.SYMPTOM CHECK

Verify the symptom from the customer's information.

>> GO TO 3

3.BASIC INSPECTION

Check the operation of each part. Check that any concerns occur other than those mentioned in the customer interview.

>> GO TO 4

4.SELF-DIAGNOSIS WITH CONSULT

Perform the self-diagnosis with CONSULT. Check that any DTC is detected.

Is any DTC detected?

YES >> GO TO 5
NO >> GO TO 6

5.TROUBLE DIAGNOSIS BY DTC

Perform the trouble diagnosis for the detected DTC. Specify the malfunctioning part.

>> GO TO 9

6.FAIL-SAFE ACTIVATION CHECK

Determine if the customer's concern is related to fail-safe activation.

Does the fail-safe activate?

YES >> GO TO 7
NO >> GO TO 8

7.SYSTEM DIAGNOSIS

Perform the system diagnosis for the system in which the fail-safe activates. Specify the malfunctioning part.

>> GO TO 9

8.SYMPTOM DIAGNOSIS

Perform the symptom diagnosis, refer to INL-59, "Symptom Table". Specify the malfunctioning part.

>> GO TO 9

9.MALFUNCTION PART REPAIR

Repair or replace the malfunctioning part.

>> GO TO 10

10.REPAIR CHECK (SELF-DIAGNOSIS WITH CONSULT)

Perform the self-diagnosis with CONSULT. Verify that no DTCs are detected. Erase all DTCs detected prior to the repair. Verify that DTC is not detected again.

Is any DTC detected?

YES >> GO TO 5

NO >> GO TO 11

11. REPAIR CHECK (OPERATION CHECK)

Check the operation of each part.

Does it operate normally?

YES >> Inspection End
NO >> GO TO 3

DTC/CIRCUIT DIAGNOSIS

POWER SUPPLY AND GROUND CIRCUIT

BCM

BCM : Diagnosis Procedure

INFOID:0000000006951363

Regarding Wiring Diagram information, refer to BCS-37, "Wiring Diagram".

1.CHECK FUSES AND FUSIBLE LINK

Check that the following fuses and fusible link are not blown.

Terminal No.	Signal name	Fuses and fusible link No.
57	Battery power supply	22 (10A)
70		J (40A)
11	Ignition ACC or ON	9 (10A)
38	Ignition ON or START	12 (10A)

Is the fuse blown?

YES >> Replace the blown fuse or fusible link after repairing the affected circuit.
NO >> GO TO 2.

2.CHECK POWER SUPPLY CIRCUIT

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

Terminals			Ignition switch position		
(+)		(–)			
BCM			OFF	ACC	ON
Connector	Terminal				
M20	70	Ground	Battery voltage	Battery voltage	Battery voltage
	57				
M18	11		Approx. 0 V	Battery voltage	Battery voltage
	38		Approx. 0 V	Approx. 0 V	Battery voltage

Is the inspection result normal?

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

3.CHECK GROUND CIRCUIT

Check continuity between BCM connector and ground.

BCM		Ground	Continuity
Connector	Terminal		
M20	67		Yes

Is the inspection result normal?

YES >> Inspection End.
NO >> Repair harness or connector.

BATTERY SAVER OUTPUT/POWER SUPPLY CIRCUIT

Description

INFOID:0000000006738184

Provides the battery saver output/power supply. Also cuts the power supply when the interior room lamp battery saver is activated.

Diagnosis Procedure

INFOID:0000000006738186

CARGO VAN

Regarding Wiring Diagram information, refer to INL-14, "Wiring Diagram - Cargo Van".

1.CHECK BATTERY SAVER OUTPUT/POWER SUPPLY CIRCUIT

1. Turn ignition switch ON.
2. Check voltage between BCM harness connector M20 terminal 56 and ground.

(+)		(-)	Voltage (V) (Approx.)
Connector	Terminal		
M20	56	Ground	Battery voltage

Is the inspection result normal?

YES >> GO TO 2
NO >> Replace BCM after making sure battery saver output/power supply circuit is not shorted to ground. Refer to BCS-55, "Removal and Installation".

2.CHECK BATTERY SAVER OUTPUT/POWER SUPPLY OPEN CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect the following harness connectors.

- BCM M20
- Front room/map lamp assembly R25
- Front cargo lamp R26 (if equipped)
- Center cargo lamp R27 (if equipped)
- Rear cargo lamp R28

3. Check continuity between BCM harness connector M20 terminal 56 and each interior room lamp harness connector terminal 1.

BCM		Each interior room lamp			Continuity
Connector	Terminal	Connector		Terminal	
M20	56	Front room/map lamp assembly	R25	1	Yes
		Front cargo lamp	R26	1	
		Center cargo lamp	R27	1	
		Rear cargo lamp	R28	1	

Is the inspection result normal?

YES >> GO TO 3
NO >> Repair the harness or connectors.

3.CHECK BATTERY SAVER OUTPUT/POWER SUPPLY SHORT CIRCUIT

Check continuity between BCM harness connector M20 terminal 56 and ground.

Connector	Terminal	—	Continuity
M20	56	Ground	No

Is the inspection result normal?

YES >> Check that each interior room lamp has no internal short circuit.

NO >> Repair the harness or connectors.

PASSENGER VAN

Regarding Wiring Diagram information, refer to INL-24, "Wiring Diagram - Passenger Van".

1.CHECK BATTERY SAVER OUTPUT/POWER SUPPLY CIRCUIT

1. Turn ignition switch ON.
2. Check voltage between BCM harness connector M20 terminal 56 and ground.

(+)		(-)	Voltage (V) (Approx.)
Connector	Terminal		
M20	56	Ground	Battery voltage

Is the inspection result normal?

YES >> GO TO 2
NO >> Replace BCM after making sure battery saver output/power supply circuit is not shorted to ground. Refer to BCS-55, "Removal and Installation".

2.CHECK BATTERY SAVER OUTPUT/POWER SUPPLY OPEN CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect the following harness connectors.

- BCM M20
- Front room/map lamp assembly R25
- Cargo lamp R20
- Personal lamp 2nd row R102 (if equipped)
- Personal lamp 3rd row R103 (if equipped)
- Personal lamp 4th row R104 (if equipped)
- Front step lamp LH D3 (if equipped)
- Front step lamp RH D103 (if equipped)

3. Check continuity between BCM harness connector M20 terminal 56 and each interior room lamp harness connector terminal 1.

BCM		Each interior room lamp			Continuity
Connector	Terminal	Connector		Terminal	
M20	56	Front room/map lamp assembly	R25	1	Yes
		Cargo lamp	R20	1	
		Personal lamp 2nd row	R102	1	
		Personal lamp 3rd row	R103	1	
		Personal lamp 4th row	R104	1	
		Step lamp LH	D3	1	
		Step lamp RH	D103	1	

Is the inspection result normal?

YES >> GO TO 3
NO >> Repair the harness or connectors.

3.CHECK BATTERY SAVER OUTPUT/POWER SUPPLY SHORT CIRCUIT

Check continuity between BCM harness connector M20 terminal 56 and ground.

Connector	Terminal	—	Continuity
M20	56	Ground	No

Is the inspection result normal?

YES >> Check that each interior room lamp has no internal short circuit.
NO >> Repair the harness or connectors.

INTERIOR ROOM LAMP CONTROL CIRCUIT
CARGO VAN

CARGO VAN : Description

INFOID:0000000006738187

Controls the following interior room lamps (ground side) by PWM signal.
- Front room/map lamp assembly
- Front and center cargo lamp (if equipped)
- Rear cargo lamp

NOTE:
PWM signal control period is approximately 250 Hz (in the gradual brightening/dimming).

CARGO VAN : Component Function Check

INFOID:0000000006738188

CAUTION:
Before performing the diagnosis, check that the following is normal.
- **Battery saver output/power supply**
- **Front room/map lamp bulbs**
- **Cargo lamp bulbs**

1.CHECK INTERIOR ROOM LAMP CONTROL FUNCTION

CONSULT
1. Place each room lamp switch into the DOOR position on an individual basis. Test each of the following switches individually.
- Front room/map lamp
- Front cargo lamp (if equipped)
- Center cargo lamp (if equipped)
- Rear cargo lamp
2. Turn ignition switch ON.
3. Select “INT LAMP” of BCM (INT LAMP) active test item.
4. While operating the test item, check that each interior room lamp turns ON/OFF (gradual brightening/dimming).

ON	**: Interior room lamp gradual brightening**
OFF	**: Interior room lamp gradual dimming**

Is the inspection result normal?

YES >> Interior room lamp control circuit is normal.
NO >> Refer to INL-54, "CARGO VAN : Diagnosis Procedure".

CARGO VAN : Diagnosis Procedure

INFOID:0000000006738189

Regarding Wiring Diagram information, refer to INL-14, "Wiring Diagram - Cargo Van".

1.CHECK INTERIOR ROOM LAMP CONTROL OUTPUT

CONSULT
1. Place each room lamp switch into the DOOR position on an individual basis. Test each of the following switches individually.
- Front room/map lamp
- Front cargo lamp (if equipped)
- Center cargo lamp (if equipped)
- Rear cargo lamp
2. Turn ignition switch ON.
3. Select “INT LAMP” of BCM (INT LAMP) active test item.
4. While operating the test item, check voltage between BCM connector M20 terminal 63 and ground.

(+)		(-)	INT LAMP	Voltage
Connector	Terminal			
M20	63	Ground	ON	0V
			OFF	Battery voltage

Is the inspection result normal?

YES >> Interior room lamp control circuit is operating normally.
Fixed ON>>GO TO 3
Fixed OFF>>GO TO 2

2.CHECK INTERIOR ROOM LAMP CONTROL OPEN CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect BCM harness connector M20 and interior room lamp harness connector in question.
3. Check continuity between BCM harness connector M20 terminal 63 and interior room harness connector terminal in question.

BCM		Interior room lamp			Continuity
Connector	Terminal	Component	Connector	Terminal	
M20	63	Front room/map lamp	R25	3	Yes
		Front cargo lamp	R26	2	
		Center cargo lamp	R27	2	
		Rear cargo lamp	R28	2	

Is the inspection result normal?

YES >> Check interior room lamps for an open. If NG, replace lamp in question. Refer to INL-60, "Removal and Installation", INL-65, "Removal and Installation - Front, Center or Rear". If OK, replace BCM. Refer to BCS-55, "Removal and Installation".
NO >> Repair the harness or connectors.

3.CHECK INTERIOR ROOM LAMP CONTROL SHORT CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect BCM harness connector M20.
3. Check continuity between BCM harness connector M20 terminal 63 and ground.

Connector	Terminal	—	Continuity
M20	63	Ground	No

Is the inspection result normal?

YES >> Check interior room lamps for a short circuit. If NG, replace lamp in question. Refer to INL-60, "Removal and Installation", INL-65, "Removal and Installation - Front, Center or Rear". If OK, replace BCM. Refer to BCS-55, "Removal and Installation".
NO >> Repair the harness or connectors.

PASSENGER VAN

PASSENGER VAN : Description

INFOID:0000000008138813

Controls the following interior room lamps (ground side) by PWM signal.
- Front room/map lamp assembly
- Cargo lamp
- Personal lamp 2nd, 3rd, and 4th row (if equipped)

NOTE:
PWM signal control period is approximately 250 Hz (in the gradual brightening/dimming).

PASSENGER VAN : Component Function Check

INFOID:0000000008138814

CAUTION:

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

- **Battery saver output/power supply**
- **Front room/map lamp bulbs**
- **Cargo lamp bulbs**
- **Personal lamp bulbs**

1.CHECK INTERIOR ROOM LAMP CONTROL FUNCTION

CONSULT

1. Place each room lamp switch into the DOOR position on an individual basis. Test each of the following switches individually.

- Front room/map lamp
- Cargo lamp
- Personal lamp 2nd row (if equipped)
- Personal lamp 3rd row (if equipped)
- Personal lamp 4th row (if equipped)

2. Turn ignition switch ON.
3. Select “INT LAMP” of BCM (INT LAMP) active test item.
4. While operating the test item, check that each interior room lamp turns ON/OFF (gradual brightening/dimming).

ON : Interior room lamp gradual brightening
OFF : Interior room lamp gradual dimming

Is the inspection result normal?

YES >> Interior room lamp control circuit is normal.
NO >> Refer to INL-56, "PASSENGER VAN : Diagnosis Procedure".

PASSENGER VAN : Diagnosis Procedure

INFOID:0000000008138815

Regarding Wiring Diagram information, refer to INL-24, "Wiring Diagram - Passenger Van".

1.CHECK INTERIOR ROOM LAMP CONTROL OUTPUT

CONSULT

1. Place each interior room lamp switch into the DOOR position on an individual basis. Test each of the following switches individually.

- Front room/map lamp
- Cargo lamp
- Personal lamp 2nd row (if equipped)
- Personal lamp 3rd row (if equipped)
- Personal lamp 4th row (if equipped)

2. Turn ignition switch ON.
3. Select “INT LAMP” of BCM (INT LAMP) active test item.
4. While operating the test item, check voltage between BCM connector M20 terminal 63 and ground.

(+)		(-)	INT LAMP	Voltage
Connector	Terminal			
M20	63	Ground	ON	0V
			OFF	Battery voltage

Is the inspection result normal?

YES >> Interior room lamp control circuit is operating normally.
Fixed ON>>GO TO 3
Fixed OFF>>GO TO 2

2.CHECK INTERIOR ROOM LAMP CONTROL OPEN CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect BCM connector M20 and interior room lamp harness connector in question.
3. Check continuity between BCM connector M20 terminal 63 and interior room lamp harness connector in question.

BCM		Interior room lamp			Continuity
Connector	Terminal	Component	Connector	Terminal	
M20	63	Front room/map lamp	R25	3	Yes
		Personal lamp 2nd row	R102	3	
		Personal lamp 3rd row	R103	3	
		Personal lamp 4th row	R104	3	
		Cargo lamp	R26	2	

Is the inspection result normal?

YES >> Check interior room lamps for an open. If NG, replace lamp in question. Refer to INL-60, "Removal and Installation", INL-65, "Removal and Installation - Front, Center or Rear" or INL-62, "Removal and Installation". If OK, replace BCM. Refer to BCS-55, "Removal and Installation".

NO >> Repair the harness or connectors.

3.CHECK INTERIOR ROOM LAMP CONTROL SHORT CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect BCM harness connector M20.
3. Check continuity between BCM harness connector M20 terminal 63 and ground.

Connector	Terminal	—	Continuity
M20	63	Ground	No

Is the inspection result normal?

YES >> Check interior room lamps for a short circuit. If NG, replace lamp in question. Refer to INL-60, "Removal and Installation", INL-65, "Removal and Installation - Front, Center or Rear" or INL-62, "Removal and Installation". If OK, replace BCM. Refer to BCS-55, "Removal and Installation".

NO >> Repair the harness or connectors.

STEP LAMP CIRCUIT

Description

INFOID:0000000008126422

Controls the front step lamps (if equipped) (ground side) to turn the lamps ON and OFF.

Diagnosis Procedure

INFOID:0000000008126424

Regarding Wiring Diagram information, refer to INL-24, "Wiring Diagram - Passenger Van".

1.CHECK STEP LAMP CONTROL CIRCUIT

1. Turn ignition switch OFF.
2. Open driver's door.
3. Check voltage between BCM harness connector M20 terminal 62 and ground.

NOTE:
Observe interior lamp timer period when performing test.

Connector	Terminal	—	DRIVER DOOR	Voltage
M20	62	Ground	OPEN	0V
			CLOSED	Battery voltage

Is the inspection result normal?

YES >> Step lamp control circuit is operating normally.
Fixed ON>>GO TO 3
Fixed OFF>>GO TO 2

2.CHECK STEP LAMP OPEN CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect BCM harness connector M20 and front step lamp harness connector in question.
3. Check continuity between BCM harness connector M20 terminal 62 and step lamp harness connector in question.

Connector	Terminal	Connector		Terminal	Continuity
M20	62	Front step lamp LH	D3	2	Yes
		Front step lamp RH	D103	2	

Is the inspection result normal?

YES >> Check step lamp for an open. If NG, replace step lamp. Refer to INL-64, "Removal and Installation". If OK, replace BCM. Refer to BCS-55, "Removal and Installation".
NO >> Repair harness or connectors.

3.CHECK STEP LAMP SHORT CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect BCM harness connector M20.
3. Check continuity between BCM harness connector M20 terminal 62 and ground.

Connector	Terminal	—	Continuity
M20	62	Ground	No

Is the inspection result normal?

YES >> Check step lamps for a short circuit. If NG, replace step lamp. Refer to INL-64, "Removal and Installation". If OK, replace BCM. Refer to BCS-55, "Removal and Installation".
NO >> Repair the harness or connectors.

SYMPTOM DIAGNOSIS

INTERIOR LIGHTING SYSTEM SYMPTOMS

Symptom Table

INFOID:0000000006738207

CAUTION:
Perform the self-diagnosis with CONSULT before the symptom diagnosis. Perform the trouble diagnosis if any DTC is detected.

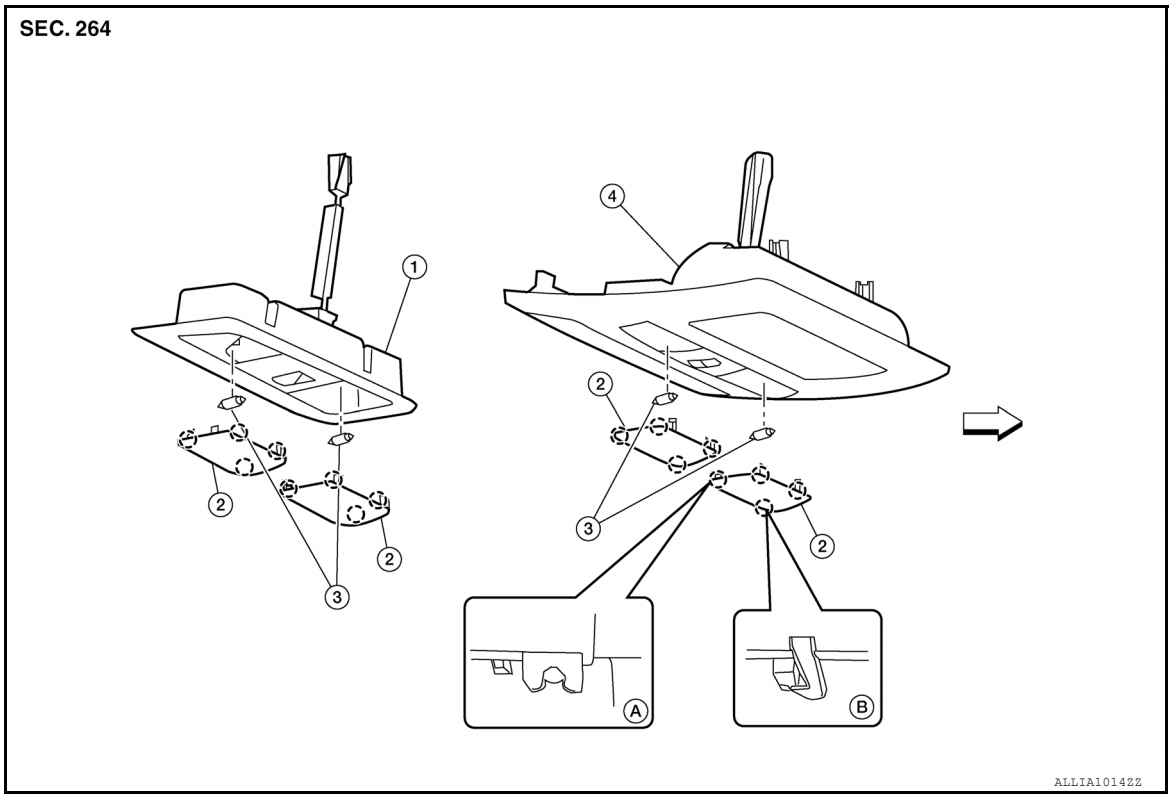
Symptom	Possible cause	Inspection item
All of the following lamps do not turn ON. • Front room/map lamp assembly • Front and center cargo lamp (cargo van, if equipped) • Rear cargo lamp (cargo van) • Personal lamp 2nd, 3rd and 4th row (passenger van, if equipped) • Front step lamp LH/RH (passenger van, if equipped) • Cargo lamp (passenger van)	• Harness between BCM and each interior room lamp • BCM	Battery saver output/power supply circuit Refer to INL-51, "Description".
Some or all of the following interior room lamps do not turn ON/OFF when opening/closing door. • Front room/map lamp assembly • Front and center cargo lamp (cargo van, if equipped) • Rear cargo lamp (cargo van) • Personal lamp 2nd, 3rd and 4th row (passenger van, if equipped) • Cargo lamp (passenger van)	• Harness between BCM and each door switch • Harness between BCM and each interior room lamp • BCM	Door switch circuit Refer to DLK-46, "Description". Interior room lamp control circuit Refer to INL-54, "CARGO VAN : Description" or INL-55, "PASSENGER VAN : Description".
Front step lamps do not turn ON/OFF when opening/closing door.	• Harness between BCM and each door switch • Harness between BCM and each front step lamp • BCM	Door switch circuit Refer to DLK-46, "Description". Front step lamp control circuit Refer to INL-58, "Description".
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-11, "INT LAMP : CONSULT Function (BCM - INT LAMP)".
Interior room lamp battery saver does not activate.	—	Check the interior room lamp battery saver setting. Refer to INL-12, "BATTERY SAVER : CONSULT Function (BCM - BATTERY SAVER)".

REMOVAL AND INSTALLATION

FRONT ROOM/MAP LAMP

Exploded View

INFOID:0000000006968368

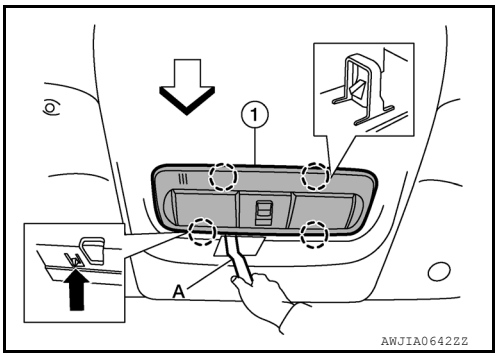


1.	Front room/map lamp assembly (high roof models)	2.	Lens	3.	Bulb
4.	Front room/map lamp assembly (w/overhead console) (standard roof models)	A.	Pawl (primary)	B.	Pawl (secondary)
◌	Pawl	⇦	Front		

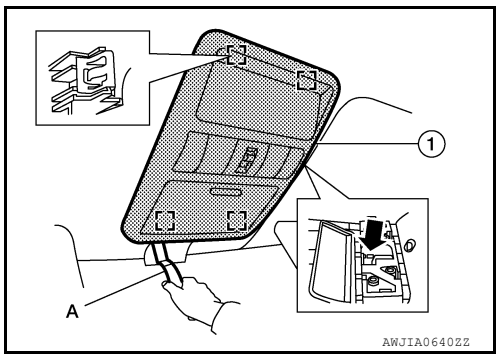
Removal and Installation

INFOID:0000000006968369

1. Remove the front room/map lamp assembly.
   - For high roof models, release the pawls beginning at the front edge using a suitable tool (A), disconnect the harness connectors from front room/map lamp assembly (1) and remove.
     ⇦: Front
     ◌: Pawl



- For standard roof models, release the metal clips beginning at the front edge using a suitable tool (A), disconnect the harness connectors from front room/map lamp assembly (1) and remove.
  : Metal clip



Bulb Replacement

INFOID:0000000006968370

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

1. Insert a suitable tool into the gap between the lens and the front room/map lamp assembly at the inside edge to release the pawl (primary).
2. Slide the lens aside enough to release the pawl (secondary).
3. Remove the front room lamp bulb.
4. Install a new front room lamp bulb and securely snap the lens into the front room/map lamp assembly.

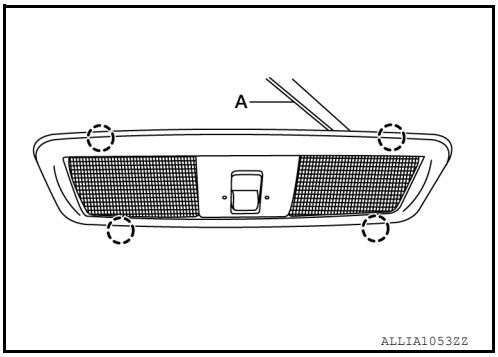
PERSONAL LAMP

Removal and Installation

INFOID:0000000007949814

REMOVAL

1. Release the personal lamp pawls and remove the personal lamp from the headlining, using a suitable tool (A).
   : Pawl



2. Disconnect the harness connector from personal lamp.
3. Remove the personal lamp from the headlining.

INSTALLATION

Installation is in the reverse order of removal.

Bulb Replacement

INFOID:0000000007949815

WARNING:

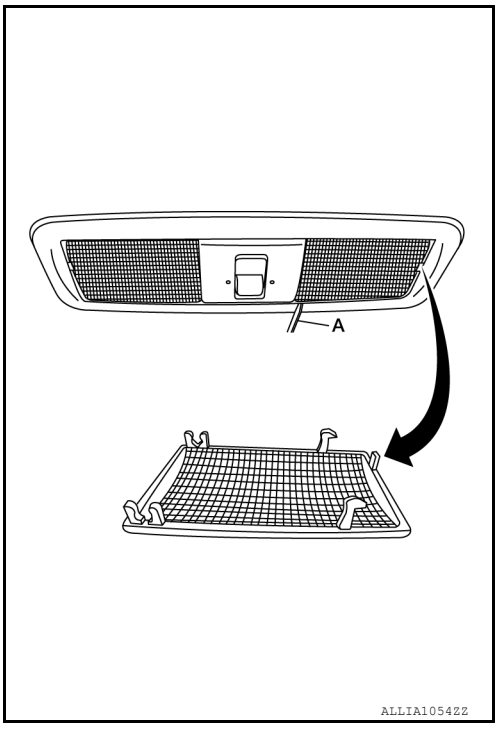
Do not touch the bulb by hand while it is lit, or right after being turned OFF to prevent burns.

CAUTION:

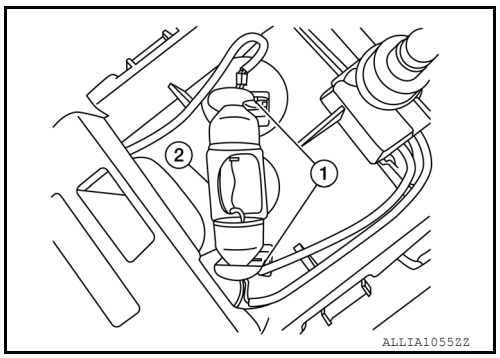
- **Do not touch the glass surface of a bulb directly by hand. Keep bulb surface free from oily materials.**
- **Do not leave bulb out of lamp reflector for long; dust, moisture, smoke, etc may affect performance of the lamp.**

PERSONAL LAMP BULB

1. Release the personal lamp lens pawls, then remove the personal lamp lens, using a suitable tool (A).



2. Release the personal lamp bulb retainers (1), then pull the bulb (2) straight out to remove.
3. Install a new personal lamp bulb securely into the retainers and install the lens into the personal lamp.



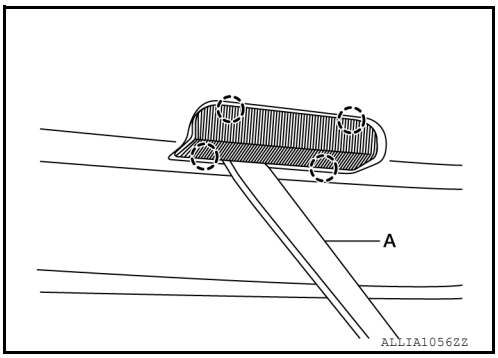
STEP LAMP

Removal and Installation

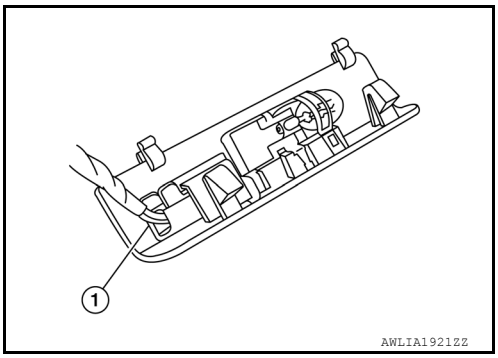
INFOID:0000000007958684

REMOVAL

1. Replace the step lamp pawls and remove the step lamp from the door, using a suitable tool (A).
   ◌: Pawl



2. Disconnect harness connector from step lamp (1).



3. Remove the step lamp from the vehicle.

INSTALLATION

Installation is in the reverse order of removal.

Bulb Replacement

INFOID:0000000007958685

WARNING:

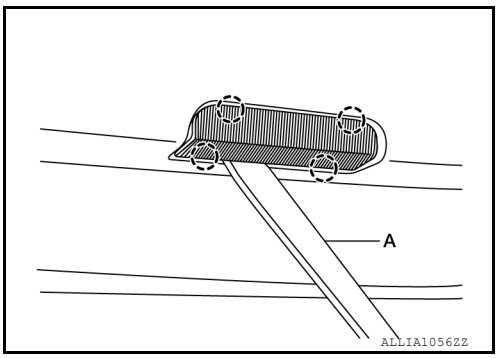
Do not touch the bulb by hand while it is lit, or right after being turned OFF to prevent burns.

CAUTION:

- **Do not touch the glass surface of a bulb directly by hand. Keep bulb surface free from oily materials.**
- **Do not leave bulb out of lamp reflector for long; dust, moisture, smoke, etc may affect performance of the lamp.**

STEP LAMP BULB

1. Release the step lamp pawls and remove the step lamp from the door, using a suitable tool (A).
   ◌: Pawl



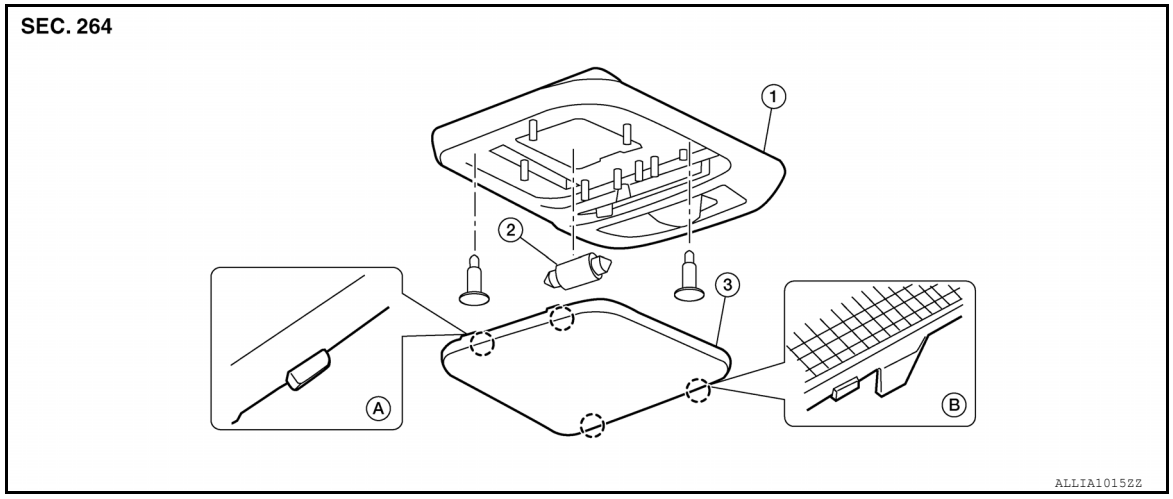
2. Pull the bulb straight out to remove.
3. Install the new step lamp bulb and securely snap the step lamp into the door.

CARGO LAMP

Exploded View

INFOID:0000000006968371

SEC. 264



1. Cargo area courtesy lamp housing
2. Bulb
3. Cargo area courtesy lamp lens
A. Pawl (top edge)
B. Pawl (bottom edge)
Pawl

Removal and Installation - Front, Center or Rear

INFOID:0000000006968372

NOTE:
Front cargo lamp shown: procedure also applies to center and rear cargo lamps (if equipped).

REMOVAL

1. Remove the cargo lamp lens.
2. Remove the cargo lamp screws.
3. Disconnect the harness connector from cargo lamp and remove.

INSTALLATION

Installation is in the reverse order of removal.

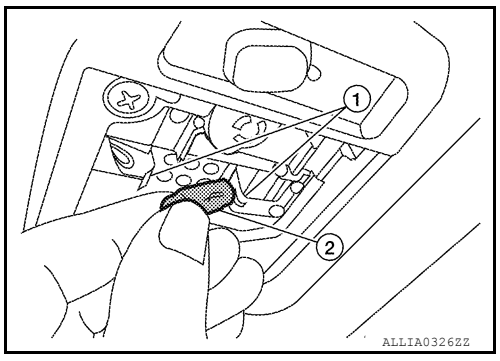
Bulb Replacement

INFOID:0000000006968373

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

NOTE:
Front cargo lamp shown; procedure also applies to center and rear cargo lamps (if equipped).

1. Release the cargo lamp lens pawls, then remove the cargo lamp lens, using a suitable tool.
2. Release the bulb retainers (1), then pull bulb (2) straight out to remove.



3. Insert a new bulb and securely snap the lens into the cargo lamp.

ILLUMINATION CONTROL SYSTEM

Removal and Installation

INFOID:0000000006968407

The illumination control switch is replaced as a part of the combination meter. Refer to MWI-64, "Removal and Installation".

SERVICE DATA AND SPECIFICATIONS (SDS)

BULB SPECIFICATIONS

Interior Lamp/Illumination

INFOID:0000000006738214

Item	Wattage (W)*
Front room/map lamp	8
Cargo lamp	8
Personal lamp	8
Step lamp	3.8

*: Always check with the Parts Department for the latest parts information.