SECTION INTERIOR LIGHTING SYSTEM

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PRECAUTIONS

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PRECAUTION

PRECAUTIONS

Precaution for Supplemental Restraint System (SRS) "AIR BAG" and "SEAT BELT PRF-TFNSIONER"

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
 - 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.

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PREPARATION

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PREPARATION

PREPARATION

Special Service Tool

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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

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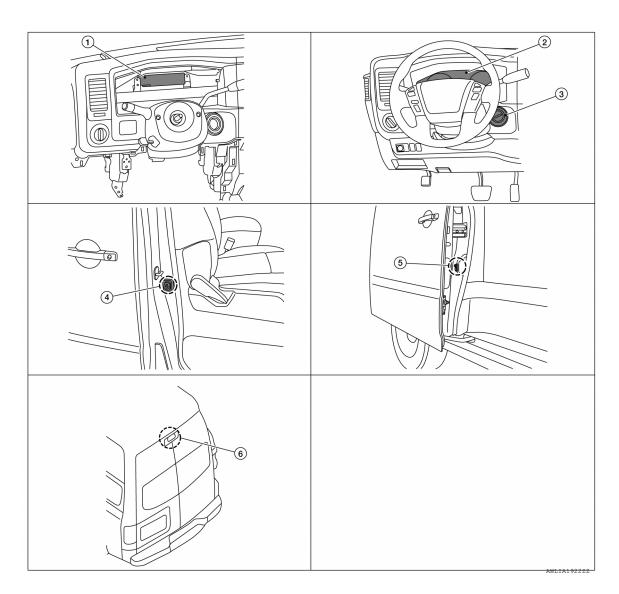
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- BCM (view with steering wheel and combination meter removed)
- 4. Front door switch RH/LH (RH shown) 5.
- 2. Combination meter
 - Sliding door switch RH
- 3. Key switch
- Back door switch upper RH (cargo van shown, passenger van similar)

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INTERIOR ROOM LAMP CONTROL SYSTEM : Component Description

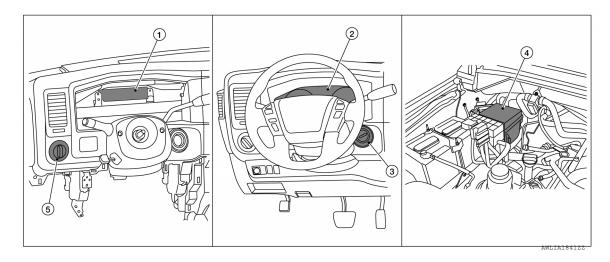
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Part name	Description			
BCM	Provides power and ground and controls timer functions for the following: • Front room lamp. • Rear Cargo lamp (cargo van). • Front and center cargo lamps (cargo van, if equipped). • Personal lamps and step lamps (passenger 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

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- BCM (view with steering wheel and combination meter removed)
- 4. IPDM E/R

- Combination meter (illumination control switch)
- 5. Lighting switch

ILLUMINATION CONTROL SYSTEM : Component Description

INFOID:0000000006738179

Key switch

Part name	Description
ВСМ	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

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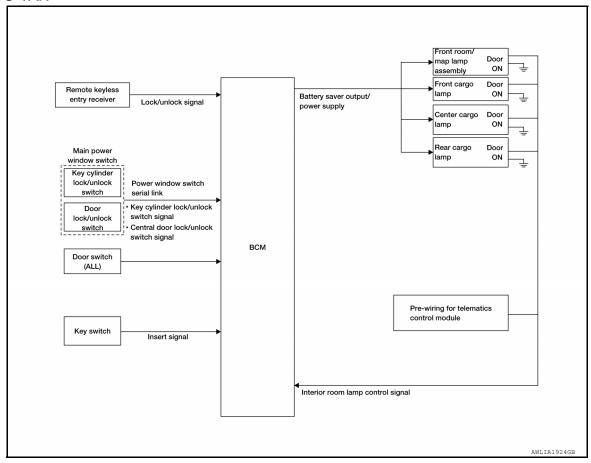
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CARGO VAN



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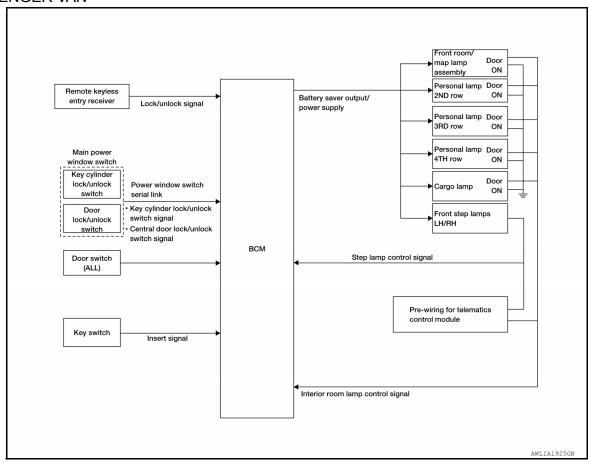
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PASSENGER VAN



INTERIOR ROOM LAMP CONTROL SYSTEM: System Description

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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

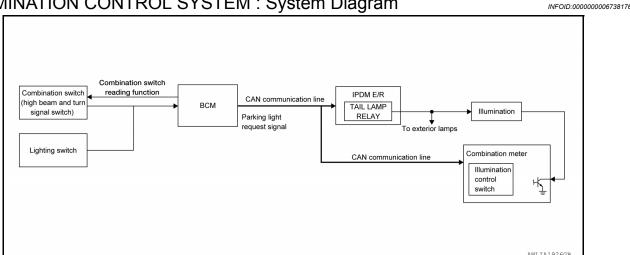
< SYSTEM DESCRIPTION >

- · 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



ILLUMINATION CONTROL SYSTEM: System Description

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.

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DIAGNOSIS SYSTEM (BCM)

< SYSTEM DESCRIPTION >

DIAGNOSIS SYSTEM (BCM)

COMMON ITEM

COMMON ITEM: CONSULT Function (BCM - COMMON ITEM)

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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.

		Direct Diagnostic Mode						
System	Sub System	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

DIAGNOSIS SYSTEM (BCM)

< SYSTEM DESCRIPTION >

INT LAMP : CONSULT Function (BCM - INT LAMP)

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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	Set	ting	Description	
SET I/L D-UNLCK INTCON	Off		Interior room lamp timer function OFF.	J
SET I/L D-UNLOR INTOON	On*		Interior room lamp timer function ON.	
	MODE4*	30 sec.		K
ROOM LAMP TIMER SET	MODE3	15 sec.	Onto the distance and leaves ON time (times and time)	
ROOM LAMP TIMER SET	MODE2	7.5 sec.	Sets the interior room lamp ON time (timer operation).	
	MODE1	0 sec.		IN
	MODE7	0 sec.		
	MODE6	5 sec.		N
	MODE5	4 sec.		
ROOM LAMP ON TIME SET	MODE4	3 sec.	Sets the interior room lamp gradual brightening time.	
	MODE3	2 sec.		N
	MODE2*	1 sec.		
	MODE1	0.5 sec.		
	MODE7	0 sec.		
	MODE6	5 sec.		
	MODE5	4 sec.		Р
ROOM LAMP OFF TIME SET	MODE4	3 sec.	Sets the interior room lamp gradual dimming time.	
	MODE3	2 sec.		
	MODE2*	1 sec.		
	MODE1	0.5 sec.		

DIAGNOSIS SYSTEM (BCM)

< SYSTEM DESCRIPTION >

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

^{* :} Initial setting

BATTERY SAVER

BATTERY SAVER : CONSULT Function (BCM - BATTERY SAVER)

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

^{*:} Initial setting

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

ECU DIAGNOSIS INFORMATION

BCM (BODY CONTROL MODULE)

List of ECU Reference

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

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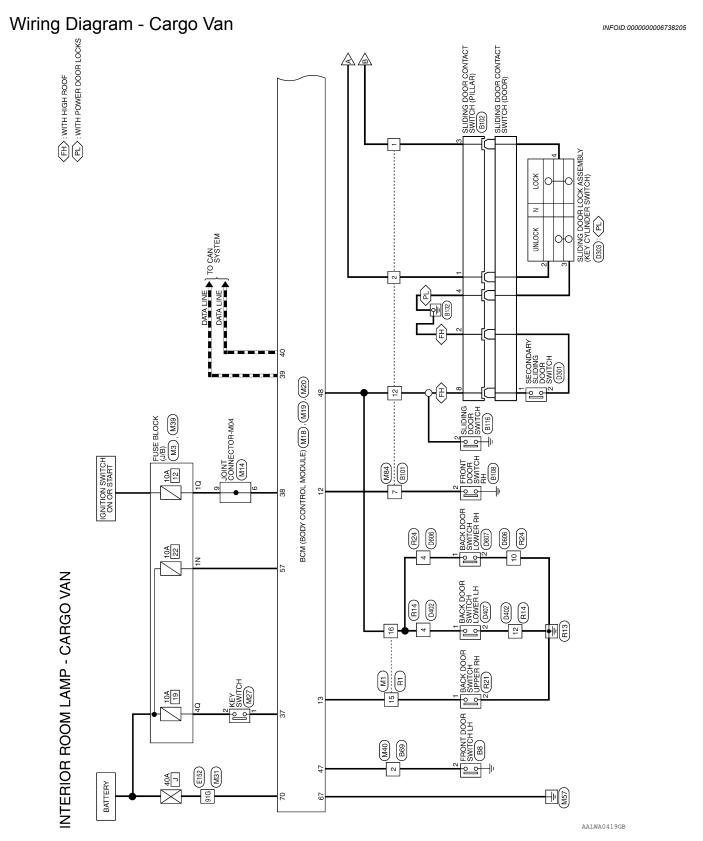
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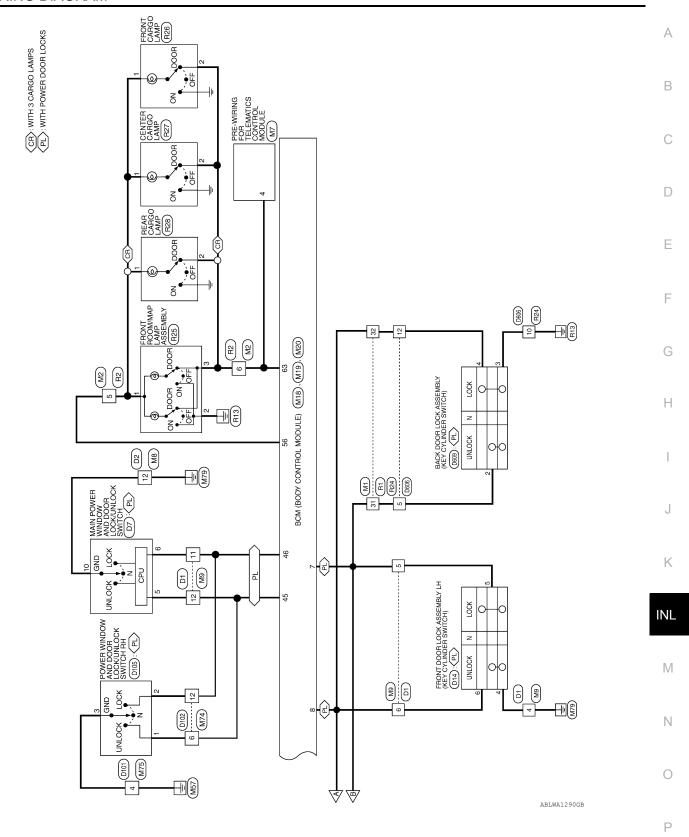
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WIRING DIAGRAM

INTERIOR ROOM LAMP CONTROL SYSTEM





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

Connector No. M2
Connector Name WIRE TO WIRE

Connector Color WHITE

Connector Color WHITE

INTERIOR ROOM LAMP CONNECTORS - CARGO VAN

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

onnector No.	ž		-	Σ											_		
onnector Name WIRE TO WIRE	ž	Ĕ	m	Ĭ	൲	<u> </u>	16	I≣	쀭						_		
onnector Color WHITE	ŏ	ļ		×	 	ш											
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						ī	I	١									
H.S.	-	2	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	4	2	9	7	8	6	유	F	12	13	14	15	16	
	17	66 16 06 86 26 36 36 36 76 66 66 16 06 61 81 21	19	20	21	66	53	24	25	96	22	98	20	30	34	33	

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	8 9 10 11 12 13 14 15	18 19 20 21 22 23 24 25 26 27 28 29 30 31		
	12	88	<u> </u> ည	
	F	27	au l	
	우	56	=	
	6	25	Signal Name	
-	8	24	Sig	
- \	7	23	"	
	9	22		
	2	21		
		20	5 0	~
	3 4	19	ĕ₩	GR
	2	18	Color of Wire	
	-	17	<u> </u>	
雪	H.S.		Terminal No.	15

1	17	18	17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32	. 2	2	2	. 8	24	, 1	26 27	. 7	, «	28 29 30	: 8	. 2	8 8	
	=	0	2	2	7	7	3	ţ	3	3	2	8	ŝ	3	5	β	
	Terminal No. Wire	ŏ^	N.	, o			0,	Sig	Signal Name	Z	ац	<u>e</u>					
			GR	~													
			0						'						_		
			>														
			SB	_													

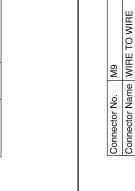
Signal Name	=	
Color of Wire	ГG	
Terminal No.	1N	

Signal Name

Color of Wire

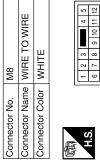
Terminal No. 2 9

SB _





Connector Color WHITE



PRE-WIRING FOR TELEMATICS CONTROL MODULE

Connector Name Connector No.

M M

Connector Color | WHITE

R TO WIRE	ІТЕ	2 3	Signal Na	
ne WIF	or WHITE	6 1	Color of Wire	
Connector Name WIRE TO WIRE	Connector Color	所 H.S.	Terminal No.	

Signal Name	_	
Color of Wire	В	
Terminal No.	12	

DOME LAMP (GND)

Signal Name

Color of Wire

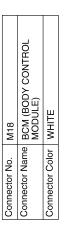
Terminal No. 4

Signal Name	=	ı	_	T	ı
Color of Wire	В	>	SB	В	GR
Terminal No.	4	5	9	11	12

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< WIRING DIAGRAM >

Signal Name	KEY CYLINDER UNLOCK SW	KEY CYLINDER LOCK SW	DOOR SW (AS)	DOOR SW (RR)	KEY SW	IGN SW	CAN-H	CAN-L
Color of Wire	\	SB	0	GR	BR	В	٦	Ь
Terminal No.	2	8	12	13	37	38	39	40







Connector Name | JOINT CONNECTOR-M04

M14

Connector No.

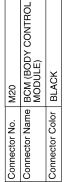
Connector Color BLUE



Signal Name	1	-	
Color of Wire	В	В	
Terminal No.	9	6	



•	40 P	7.7
	Connector No.	M27
	Connector Name KEY SWITCH	KEY SWITCH





Š	M19
Name	Name BCM (BODY CONTROL MODULE)
Color	Color WHITE
	41 42 43 44 45 46 47 48 49 50 51 52 53 54 55



Signal Name	Ι	ı	
Color of Wire	BR	>	
Terminal No.	ļ	2	

| C2 | |

WHITE

Connector Color

Signal Name	BATTERY SAVER OUTPUT	BATTERY (FUSE)	ROOM LAMP OUTPUT	GND	BATTERY (F/L)
Color of Wire	SB	FG	L RC	В	В
Terminal No. Wire	56	22	63	29	70

	æ	æ		
Signal Name	CENTRAL DOOR LOCK SW	CENTRAL DOOR UNLOCK SW	DOOR SW (DR)	DOOR SW
Color of Wire	GR	В	SB	С
erminal No. Wire	45	46	47	48

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M40 WHRE TO WIRE WHITE 5 4 3 2 1	Signal Name
	M84 or WHRE TG WHITE S 4
Connector No. Connector Color H.S. Terminal No. 2	M84 WIRE TO WIRE Connector Name WIRE TO WIRE Connector Color WHITE Signary MHTE Signary Si
OCK (J/B) Signal Name	MIRE
M39 ne FUSE BLOCK or WHITE Solor of Wire Sign Wire Sign N	E TO V
Connector No. Connector Name Connector Color H.S. 10 40	Connector No. M75 Connector Name WIRI Connector Color WHI LS. H.S. Color of 4 B
WHITE	M74 WIRE TO WIRE WHITE 2 3 4 5 6 7 8 9 10 11 12 12 12 13 14 12 14 14 14 14 14 14
M31 M31	
Connector No. Connector Name Connector Color H.S. Terminal No. Color 91G	Connector No. Connector Name Connector Color H.S. H.S. Terminal No. 6 6 6 7
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Connector No. B69 Connector Name WIRE TO WIRE Connector Color WHITE	Terminal No. Wire Signal Name 2 SB -		Connector No. B108 Connector Name FRONT DOOR SWITCH RH Connector Color WHITE	H.S.	9	Color of Color of Wire Signal Name	2 0 -			
Connector No. B8 Connector Name FRONT DOOR SWITCH LH Connector Color WHITE	Terminal No. Wire Signal Name 2 SB –		Connector No. B102 Connector Name SLIDING DOOR CONTACT SWITCH Connector Color WHITE	原斯 H.S.	Terminal No. Color of Signal Name	1 SB -	2 B -	>	88 C	
	21G20G19G18G17G18G16G14G13G12G11G 300G29G28G27G28G2SG2AG23G2SG2AG 41G40G39G38G37G38G53SG24G23G2C31G 500G49G48G47G48G45G44G43G23G2C31G 500G99G89G80G7G8SG5SG4AG3SG2C3G1G 770G99G89G80G7G8SG5SG4AG3SG2C3G1G 81G80G79G78G77G78G75G74G73G72G71G 900G89G88G87G88C687G8C68G8G8C68C6 81G80G79G78G78G78G78G78G78G78G71G 900G89G88G87G88C687G8G88C8C6 91G89G89G97G89C687G86G87G98C6	Color of Signal Name Wire -	Connector No. B101 Connector Name WIRE TO WIRE Connector Color WHITE	1 2 3 6 7 8 9 10 11 12	Color of Signal Name					
Connector Name Connector Color H.S.		Terminal No. 6	Connector No. Connector Name Connector Color	H.S.	Terminal No.	-	CV I	C C		

]	
	E TO WIRE	TE .	2 2 1 4 1 1	Signal Name	1	1		
B2	me WIR	lor WHI	© 8	Color of Wire	SB	_		
Connector No.	Connector Name WIRE TO WIRE	Connector Color WHITE	明.S.	Terminal No. Wire	5	9		
			2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					
	TO WIRE	E	28 27 26 25 24 23 22 21 20 19	Signal Name	1	I	ı	I
쮼	ne WIRE	or WHIT	14 13 30 29	Solor of Wire	GR	0	>	SB
Connector No.	Connector Name WIRE TO WIRE	Connector Color WHITE	H.S. 16 15 32 31	Terminal No. Wire	15	16	31	32
	Connector Name SLIDING DOOR SWITCH	TE		Signal Name	1			
. B116	me SLIE	lor WHI		Color of Wire	0			
Connector No.	Connector Na	Connector Color WHITE	E.S.	Terminal No. Wire	2			

	WIRE TO WIRE	111	2 3 7 8 9 10 11 12 2 3	Signal Name	-	_	_	
		lor WH	<u>- 6</u>	Color of Wire	0	>	В	a
COLILIECTO INO.	Connector Name	Connector Color WHITE	E.S.	Terminal No.	4	2	10	10

	Connector Name BACK DOOR SWITCH UPPER RH	ПЕ		Signal Name	_	_
R21	me BAC UPF	lor WHITE		Color of Wire	GR	В
Connector No.	Connector Na	Connector Color	H.S.	Terminal No.	-	2

		1			Ι
ector Name WIRE TO WIRE	<u> </u>	9 01 01 2 5 1 1 1 2 5	Signal Name	1	
me WIF	ector Color WHITE	1 2 3 6 7 8 8	Color of Wire	0	
ector Na	ector Co	6	inal No.	4	,

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Connector No.	R25	Connector No. R26	R26	Connector No. R27	R27
connector Nam	Connector Name FRONT ROOM/MAP LAMP ASSEMBLY	Connector Name FRONT	Connector Name FRONT CARGO LAMP Connector Color WHITE	Connector Name CENTE Connector Color WHITE	Connector Name CENTER CARGO LAMP Connector Color WHITE
Connector Color WHITE	r WHITE				
मित्र H.S.		H.S.		是 H.S.	
Cerminal No.	Color of Signal Name	Color of Terminal No. Wire	or of Signal Name	Color of Terminal No. Wire	lor of Signal Name
-	SB -	-	SB -	-	SB -
2	В	2		2	- 7
ဇ	- 7		-		

Connector No.	. D2	
Connector Name WIRE TO WIRE	me WIR	E TO WIRE
Connector Color WHITE	lor WHI	TE
H.S.	112 11	14 10 3 2 1 6 1 1 1 1 1 1 1 1
Terminal No.	Color of Wire	Signal Name
12	В	ı

	WIRE TO WIRE]E	11 8 9 2 7 1 1 2 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Signal Name	ı	ı	ı	I	ı
<u>-</u>		lor WH	0 27	Color of Wire	В	>	SB	ш	GR
COLLINECTOR INC.	Connector Name	Connector Color WHITE	E.S.	Terminal No.	4	2	9	11	12

			ı			
	Connector Name REAR CARGO LAMP	ІТЕ		Signal Name	I	-
. R28	me RE/	lor WHITE		Color of Wire	SB	_
Connector No.	Connector Na	Connector Color	H.S.	Terminal No.	-	2

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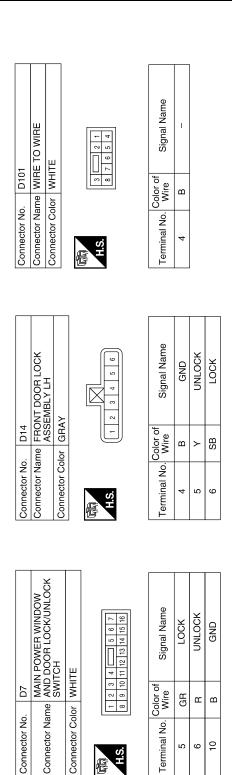
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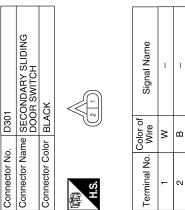
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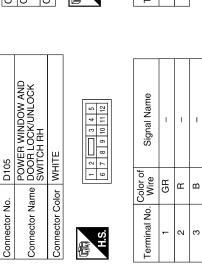
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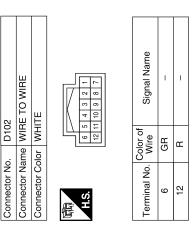
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			1				
	Connector Name BACK DOOR SWITCH LOWER LH	Ś		Signal Name	ı	1	
D40	e BAC LOV	r BLA		color of Wire	0	В	
Connector No. D407	Connector Nam	Connector Color BLACK	赋 H.S.	Terminal No. Wire	-	2	
75	RE TO WIRE	-	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Signal Name	ı	ı	
D4C	ne WIF	5	5 4 11 10 9	Solor of Wire	0	В	
Connector No. D402	Connector Name WIRE TO WIRE		赋 H.S.	Terminal No. Wire	4	12	
					I		
33	Connector Name SLIDING DOOR LOCK ASSEMBLY	AY	6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	Signal Name	ı	ı	ı
. D303	me SLI ASS	lor GR.	1 2	Color of Wire	BR	ш	
Connector No.	Connector Na	Connector Color GRAY	是 H.S.	Terminal No. Wire	2	8	4

or No. D606		Connector No. D607	. De07		Connector No.	De09	6
or Name WIRE TO WIRE	E TO WIRE	Connector Na	me BAC	Connector Name BACK DOOR SWITCH LOWER RH	Connector Na	me BA	Connector Name BACK DOOR LOCK ASSEMBLY
or Color WHILE	<u>"</u>	Connector Color BLACK	lor BLA(X	Connector Color GRAY	lor GR	47
ιο 4	3 2 1		<u> </u>	- - - - - -	臣		
12 11	10 9 8 7 6	ń.		2 1	S.	-	3 4 5 6
Color of Wire	Signal Name	Terminal No. Wire	Color of Wire	Signal Name	Terminal No. Wire	Color of Wire	Signal Name
0	ı	-	0	1	2	>	UNLOCK
>	ı	2	В	1	3	В	GND
В	I				4	SB	LOCK
SB	I						

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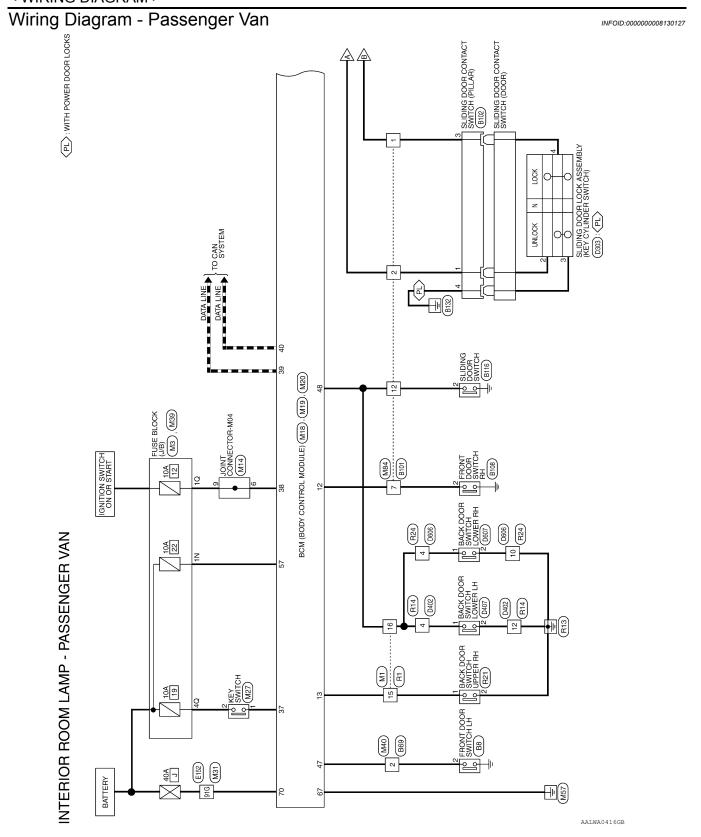
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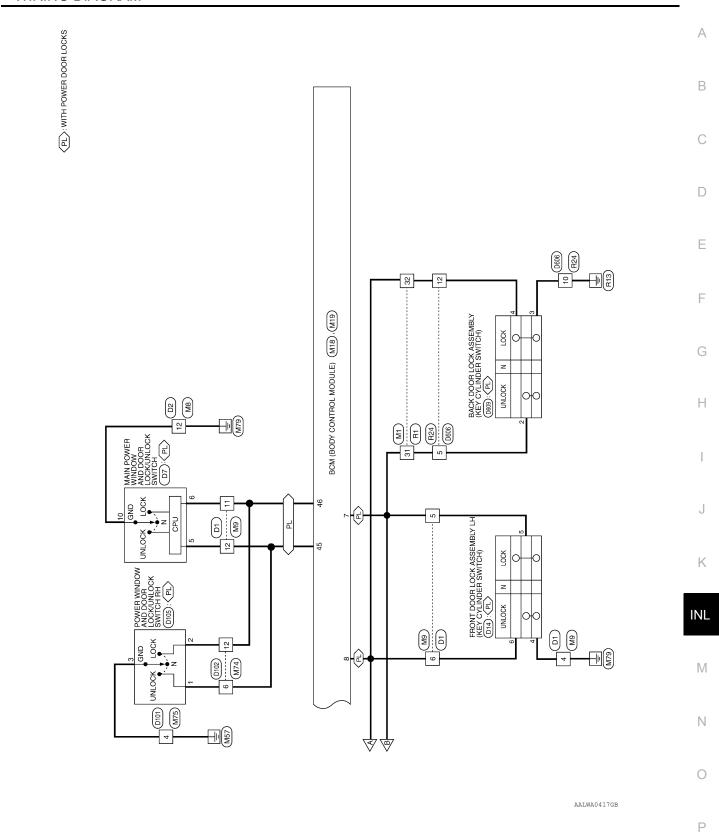
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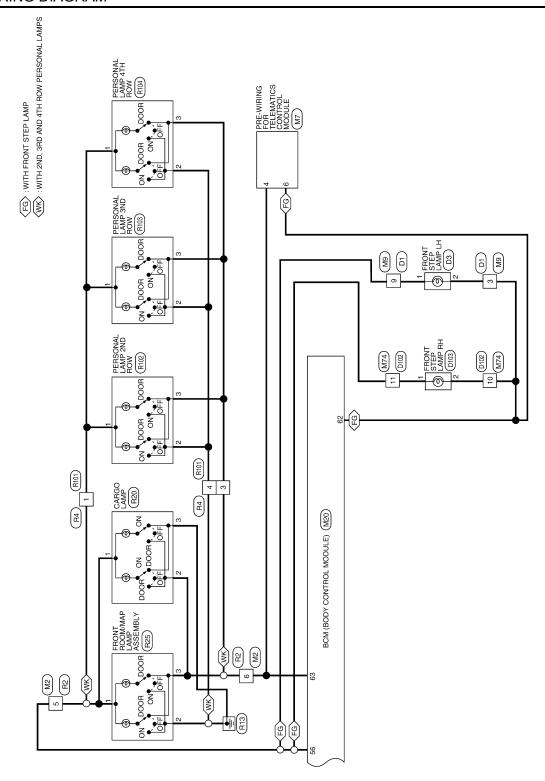
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< WIRING DIAGRAM >

HITE HITE Signal Name		
NA N		
Connector No. M3 Connector Name FUSE BLOCK (J/B) Connector Color WHITE A.S. Signal No. Wire Signal Na 1N LG -		
E TO WIRE TE Signal Name		
MIRE SB SB		
ASSENGER VAN Connector No. M2 Connector Name WIRE TO WIRE Connector Color WITE Terminal No. Wire S SB 6 L		
3	i ı	ı
MOOM No. M1 No. M1 No. M2 No. M3 No. M4 No. M4 No. No.	> 8.5	3
	E 08	9

	WIRE TO WIRE	WHITE	9 4 5 6 0 10 1 1 2 0 0 1 1 2 0 0 1 1 1 1 1 1 1	Signal Name	1	ı	1	ı	ı	ı	1
6W			2 8 2	Color of Wire	8	В	>	SB	SB	<u>~</u>	ag
Connector No.	Connector Name	Connector Color	H.S.	Terminal No.	က	4	5	9	6	-	15

	WIRE TO WIRE	ITE	7 8 9 10 11 12	Signal Name	I
. M8	me WIF	lor WH	- 6	Color of Wire	В
Connector No.	Connector Name	Connector Color WHITE	H.S.	Terminal No.	12

			1 1				
	PRE-WIRING FOR TELEMATICS CONTROL MODULE	ІТЕ	2 3 4 5 6 7 8 9 10 11 12 14 15 16 17 18 19 20 21 22 23 24	Signal Name	DOME LAMP (GND)	DOOR AJAR (ALL)	
- M		lor WF	2 3 4 15 16	Color of Wire	٦	Μ	
Connector No.	Connector Name	Connector Color WHITE	H.S.	Terminal No.	4	9	

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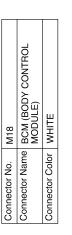
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Signal Name	KEY CYLINDER UNLOCK SW	KEY CYLINDER LOCK SW	DOOR SW (AS)	DOOR SW (RR)	KEY SW	IGN SW	CAN-H	CAN-L
Color of Wire	>	SB	0	GR	BR	Ж	٦	Ь
Terminal No.	2	8	12	13	37	38	39	40



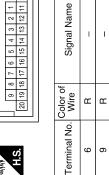


Connector Name JOINT CONNECTOR-M04

M14

Connector No.

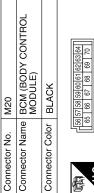
Connector Color BLUE







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	42 43 44 45 46 47 48 49	51 52 53 54 55	
	144	20	(ń

Signal Name	1	=
Color of Wire	BR	У
Terminal No.	1	2

Signal Name	BATTERY SAVER OUTPUT	BATTERY (FUSE)	STEP LAMP OUTPUT	ROOM LAMP OUTPUT	GNĐ	BATTERY (F/L)
Color of Wire	SB	ΡΠ	Γ	Γ	В	В
Color o	56	25	62	63	29	70

Signal Name	CENTRAL DOOR LOCK SW	CENTRAL DOOR UNLOCK SW	DOOR SW (DR)	DOOR SW (SLIDE, BK LWR)
Color of Wire	GR	Я	SB	0
Terminal No. Wire	45	46	47	48

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nal Nam	В
MIRE TO V WHITE TO V WHITE TO V WHITE TO V V Y Y Y Y O O O O O O O O O O O O O	C D
Connector Connector Connector Terminal N Terminal N 7 7 12	Е
	F
	G
WHRE TT WHRE TT WHITE B	Η
Sonnector Name Sonnector Name Sonnector Color H.S. 4 4	
	J
	K
	VL M
M74 M74 M74 M1TE T WHITE T WHITE T Solor of Wire SB	
ector Nam ector Colo nal No. 6 0	Ν
Conne Conne Conne Termin	0
AALIAO600GB	Р
	Connector No. M74 Connector No. M75 Connector No. M84 Connector No. M84 Connector No. M84 Connector No. W84 Connector No. W85 Connector No. Connector No. W85 Connector No. W85 Connector No. W85 Connector No. W85 Connector No. Connector No

Connector No. B69 Connector Name WIRE TO WIRE Connector Color WHITE	H.S. (1 2 3 1 4 5 6 7 8 9 10 11 12	Terminal No. Wire Signal Name				Olympia No Dano	o ue	H.S.	8	Color of Color Wire Signal Name			
Connector No. B8 Connector Name FRONT DOOR SWITCH LH Connector Color WHITE	€ 4.5.	al No. Wire Signa				Connective No.	Connector Name SLIDING DOOR CONTACT SWITCH		Terminal No. Wire Signal Name	1 SB -		4 B –	
Connector No. E152 Connector Name WIRE TO WIRE Connector Color WHITE	56 46 36 26 16 16 106 106 106 106 106 106 106 106	300 290 280 270 270 270 270 410 400 390 390 370 390 590 300 370 310 100 400 400 400 400 400 400 400 400 400	610 6006 950	95G 94G 95G 92G 91G 100G 99G 98G 97G	Terminal No. Wire Signal Name	DAGA	Connector Name WIRE TO WIRE Connector Color WHITE	(中央) 1 2 3 一 4 5 6 7 8 9 10 11 12	Terminal No. Wire Signal Name	├	2 SB -	- 0 2	12 0 -

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]		
E TO WIRE	2 G 1 4	Signal Name	1	ı			
ne WIRI or WHI	8 3 7	Solor of Wire	SB	_			
Connector No. R2 Connector Name WIRE TO WIRE Connector Color WHITE	H.S.	Terminal No. Wire	2	9			
	1 11						
E TO WIRE	14 13 12 11 10 9 8 7 6 5 4 3 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Signal Name	1	1	ı	I	
ne WIRI or WHI		Solor of Wire	GR	0	>	SB	
Connector No. R1 Connector Name WIRE TO WIRE Connector Color WHITE	H.S. 16 15	Terminal No. Wire	15	16	31	32	
				•	•		
Connector No. B116 Connector Name SLIDING DOOR SWITCH Connector Color WHITE		Signal Name	ı				
B116 R SLIDII	<u></u>	olor of Wire	0				
Connector No. B116 Connector Name SLIDINI Connector Color WHITE	H.S.	Terminal No. Wire	2				

	GO LAMP	TE	23	Signal Name	ı	1	1
. R20	me CAF	lor WHI		Color of Wire	SB	_	В
Connector No.	Connector Name CARGO LAMP	Connector Color WHITE	(南) H.S.	Terminal No. Wire	-	2	3
		_					
	O WIRE		10 11 12	Signal Name	ı	1	

	WIRE TO WIRE	ITE	8 8 9 10 11 12	Signal Name	ı	_
R14		lor WHITE	6 1 7 2 8 8	Color of Wire	0	В
Connector No.	Connector Name	Connector Color	明.S.	Terminal No.	4	12

	nector Name WIRE TO WIRE	TE	8 4	Signal Name	ı	-	
<u>-</u>	e WIR	or WHITE	2 3 3	Color of Wire	SB	Т	
2000	nector Nan	ector Color	Ø	on linal	1	3	

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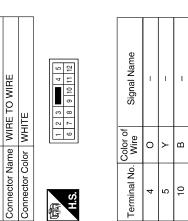
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	Connector No.	R25
RE	Connector Name	Connector Name FRONT ROOM/MAP LAMP
		ASSEMBLY
	Connector Color WHITE	WHITE

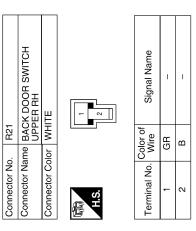
Connector No. R24

_					
	23	Signal Name	I	_	-
	(-	Color of Wire	SB	В	T
	南 H.S.	Terminal No. Wire	-	2	3



SB

12



Connector No.). R103	33
Connector Name		PERSONAL LAMP 3RD ROW
Connector Color	olor WHITE	ITE
H.S.		23
Terminal No.	Color of Wire	Signal Name
-	SB	1
2	В	-
٣	-	1

Connector No.). R102	12
Connector Na	me PEF	Connector Name PERSONAL LAMP 2ND ROW
Connector Color WHITE	olor WH	ITE
H.S.		
Terminal No.	Color of Wire	Signal Name
-	SB	1
2	В	_
8	-	_

			1		
_	E TO WIRE	ITE	3 2 1	Signal Name	1
. R101	me WIF	lor WH	4	Color of Wire	SB
Connector No.	Connector Name WIRE TO WIRE	Connector Color WHITE	原 H.S.	Terminal No.	-

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Connector No. D2	H.S. H.S. H.S.	Signal Name Color of Terminal No. Wire Signal Name	_ 12 B		ı	ı	ı	ı	1
Connector No. D1 Connector Name WIRE TO WIRE Connector Color WHITE	H.S. 11 10 9 8 7	Terminal No. Wire Sign	w e	4 B	5 \	e SB	8S 6	11 R	12 GR
Connector No. R104 Connector Name PERSONAL LAMP 4TH ROW Connector Color WHITE	123	or of Signal Name	ı	1	ı				
Connector No. R104 Connector Name PERSO Connector Color WHITE	H.S.	Terminal No. Wire	1 SB	2 B	3 F				

Connector No.	. D14	
Connector Name		FRONT DOOR LOCK ASSEMBLY LH
Connector Color	lor GRAY	٨٨
所 H.S.	- 2	4 0 0 0 0
Terminal No. Wire	Color of Wire	Signal Name
4	В	GND
5	λ	NNLOCK
9	SB	LOCK

Connector No.	. D7	
ector Na	me ANE SWI	Connector Name AND DOOR LOCK/UNLOCK SWITCH
Connector Color	lor WHITE	TE
S. S.	1 2 3 8 9 10	3 4
Terminal No.	Color of Wire	Signal Name
5	GR	LOCK
9	В	UNLOCK
10	В	GND

			ı			
	FRONT STEP LAMP LH	III.	2 1	Signal Name	I	1
D3		lor WHITE		Color of Wire	SB	≯
Connector No.	Connector Name	Connector Color	H.S.	Terminal No.	-	2

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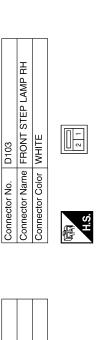
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Connector Name WIRE TO WIRE Connector Color WHITE

Connector No. D402

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Connector No.). D102	2
Connector Name		WIRE TO WIRE
Connector Color	olor WHITE	TE
E		
H.S.	6 5	4 3 2 1 1 10 9 8 7
Terminal No.	Color of Wire	Signal Name
9	GR	ı
10	*	1
11	SB	1
12	œ	ı

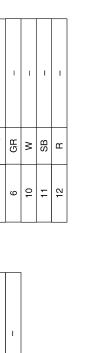
Signal Name

Color of Wire Ш

Terminal No.

Connector Name WIRE TO WIRE Connector Color WHITE

Connector No. D101



33	Connector Name SLIDING DOOR LOCK ASSEMBLY	ΑY		8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	Signal Name	I	_	ı
D303	ne SLI AS	or GRAY	-	1 2	Solor of Wire	BR	В	_
Connector No.	Connector Na	Connector Color		H.S.	Terminal No. Wire	2	3	4
35	Connector Name DOOR LOCK/UNLOCK	SWITCH RH	#TE	8 9 10 11 12 5	Signal Name	-	-	ı
). D105	me DO	SW	olor WH	6 7	Color of Wire	GR	<u>«</u>	В
Connector No.	Connector Na		Connector Color WHITE	H.S.	Terminal No. Wire	-	2	8
								A

Signal Name

Color of Wire

Terminal No.

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Connector No. D607	O WIRE Connector Name BACK DOOR SWITCH LOWER RH	Connector Color BLACK	8 7 6 H.S.	Signal Name Color of Terminal No. Wire Signal Name	1 0	- 2 B	
Connector No. D606	Connector Name WIRE TO WIRE		H.S.	Color of Wire	0	>	10 B
	Connector Name BACK DOOR SWITCH C		H.S.	Terminal No. Wire Signal Name	0	2 B	

609	ACK DOOR LOCK SSEMBLY	RAY			2 3 4 5 6		of Signal Name	UNLOCK	GND	LOCK		
Connector No. D609	Connector Name BACK DOOR LOCK ASSEMBLY	Connector Color GRAY		晋	H.S.	jj	Terminal No. Wire	2 \	3 B	4 SB		
			•		•					1	AALIA060	06GI

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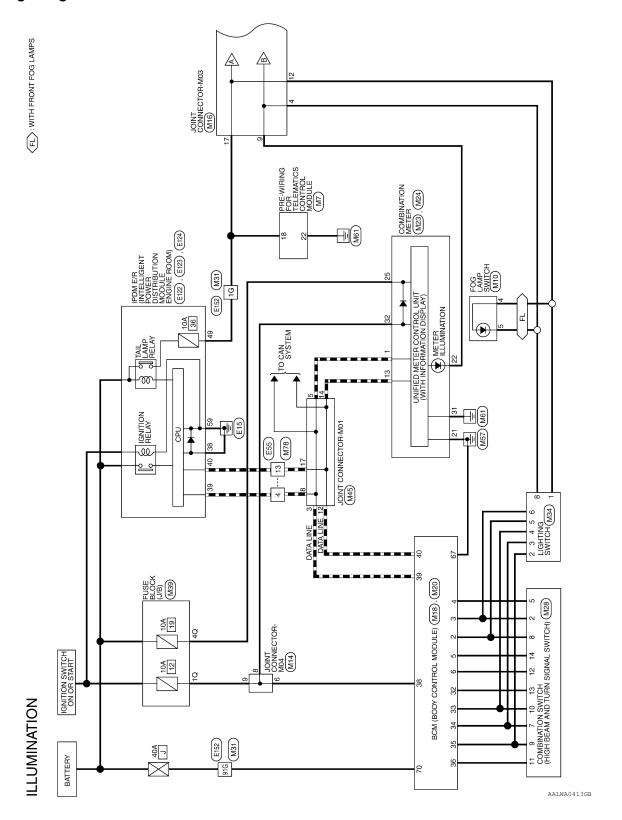
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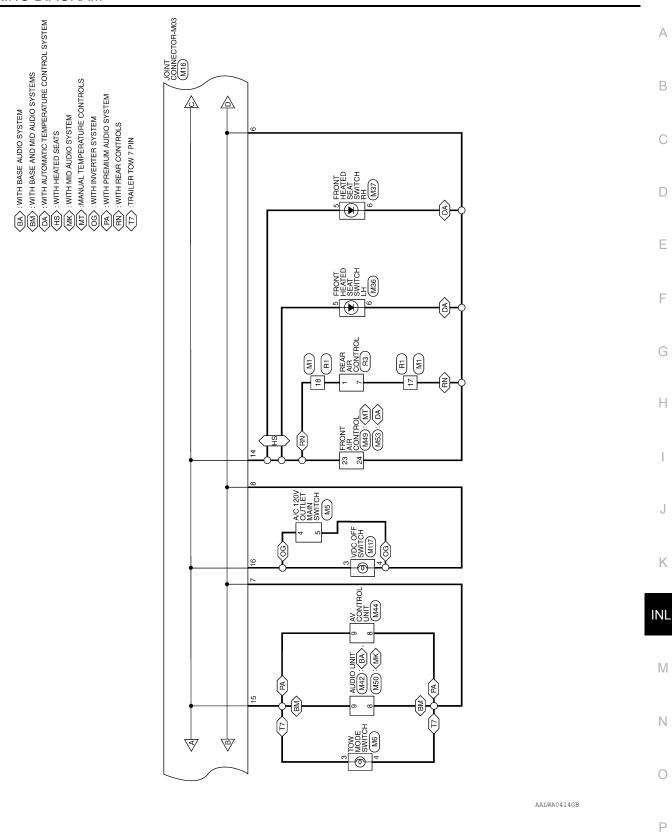
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ILLUMINATION

Wiring Diagram

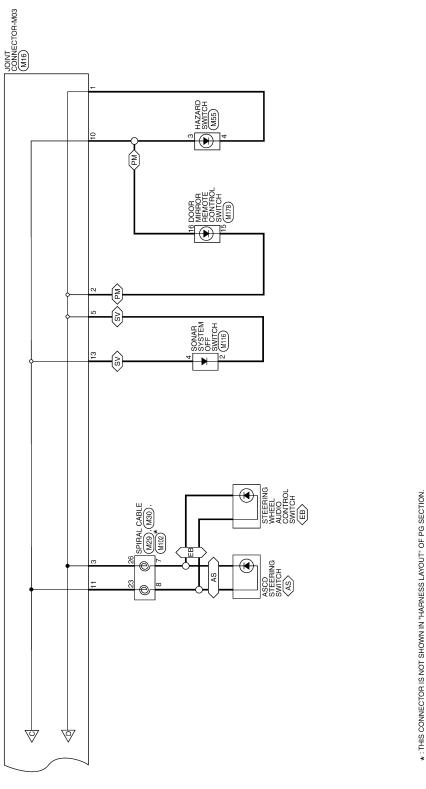


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Revision: March 2012 INL-37 2012 NV





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ILLUMINATION CONNECTORS

M5	Sonnector Name A/C 120V OUTLET I	SWIICH	LH	WHILE				12 11 10 0 9 8	1 0 0 1
Connector No. M5	Connector Name		, , , , , , , , , , , , , , , ,	CONTRECTOR COLOR WHILE		1	No.	<u> </u>	2
							15 16	17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32	1
						l	4	30	1
						ll	5	53	1
						l	9 10 11 12 13 14	28	1
					_	J	Ξ	27	
					1		우	56	
	쀭				W.		ი	22	l
	₹				I			24	
	0				L		2 3 4 5 6 7	ន	l
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_	≝	듚				Ц	5	2	ļ
Σ	∣≥	∣≥	3			Ц	4	2	ł
	ē	_				Н	က	55	ł
o.	au	딍	5			I	7	#	ł
Z	Z	l.C)			L	_	12	_
Connector No. M:	Connector Name WIRE TO WIRE	Connector Color WHITE			·	Ī	7	Ó	

	Connector Name TOW MODE SWITCH	ΑY		4 8 2 1	Signal Name	_	_
۵ <u>۲</u>	me TO	lor GF			Color of Wire	>	BR
Connector No.	Connector Na	Connector Color GRAY		明.S.	Terminal No. Wire	3	4
	Connector Name A/C 120V OUTLET MAIN	<u> </u>	TE	5 10	Signal Name	ILL CONT SW (+)	ILL CONT SW (-)
င္က <u>M</u>	me A/C	No.	or WH	12 11 7 6	Color of Wire	^	BR
Connector No. MS	Connector Na		Connector Color WHITE	呵动 H.S.	Terminal No. Wire	4	9
				3 S S			
	E TO WIRE			3 4 5 6 7 8 9 10 11 12 13 14 15 16 19 20 21 22 23 24 25 26 27 28 29 30 31 32	Signal Name	1	-
Σ	me WIR	lor WHI		2 3 4 5	Color of Wire	BR	>
Connector No. M.	Connector Name WIRE TO WIRE	Connector Color WHITE		H.S.	Terminal No. Wire	17	18

	M14	Connector Name JOINT CONNECTOR-M04	BLUE
	Connector No. M14	Connector Name	Connector Color BLUE
	M10	Connector Name FOG LAMP SWITCH	WHITE
,	Connector No. M10	Connector Name	Connector Color WHITE
	M7		IME TELEMATICS CONTROL MODULE
	_ ا		me

Connector No. M7	. M7		Connector No. M10	M10	Con	Connector No.	_
	PR	PRE-WIRING FOR	Connector Nam	Connector Name FOG LAMP SWITCH	Con	Connector Name) e
Connector Nar	me TEI	Connector Name TELEMATICS CONTROL MODULE	Connector Color WHITE	vr WHITE	Con	Connector Color	E B
Connector Color WHITE	or WF	НТЕ	ą		ģ		
H.S.	2 3 4 15 16	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	H.S.	2 5 5 5	H.S. H	් ග්	20 19 8
Terminal No. Wire	Color of Wire	Signal Name	Terminal No. Wire	Solor of Signal Name	Terr	Color (Terminal No. Wire	Nis
18	>	ILL +	4	^		9	æ
						l	

Signal Name	_	-	l	
Color of Wire	В	В	В	
Terminal No. Wire	9	8	6	
				•
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Signal Name	T +	GROUND	
Color of Wire	^	В	
inal No.	18	22	

BR

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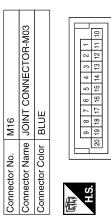
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Signal Name	ı	_	_	_	-	ı	-	_
Color of Wire	>	^	^	۸	^	>	>	^
Terminal No. Wire	10	11	12	13	14	15	16	17

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







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

0	BCM (BODY CONTROL MODULE)	BLACK	66 57 58 59 60 61 62 63 64 66 67 68 69 70	Signal Name
. M20			56 57 58 65 66 66	Color of Wire
Connector No.	Connector Name	Connector Color	H.S.	Terminal No.

BATTERY (F/L)

m | cc

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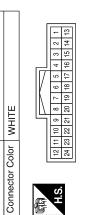
Signal Name	INPUT 5	INPUT 4	INPUT 3	INPUT 2	INPUT 1	OUTPUT 5	OUTPUT 4	OUTPUT 3	OUTPUT 2	OUTPUT 1	IGN SW	CAN-H	CAN-L
Color of Wire	_	۵	FG	0	Ж	SB	В	У	BR	٨	ш	_	Ь
Terminal No.	2	3	4	2	9	32	33	34	35	36	38	39	40

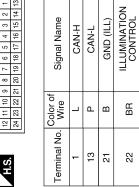
ပိ	Connector No.	ect	ŏ	2		Ë	M18	_∞											
ပြ	Connector Name BCM (BODY CONTROL MODULE)	ec l	ğ	S _a	ΙĔ	0	l%≥	Į≅Ž	BCM (BOI MODULE)		≿	18	ľz	۱Ě	ᅵᅥ	l .			
ပိ	Connector Color WHITE	ect	ğ	ပိ	흐	-	∣≱	₩	ш										
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7	Τ.	76 I					片	$ \rangle$	IN.	W	117	ப							
-	2	3	4	2	9	7	∞	6	9	9 10 11 12 13 14 15 16 17 18 19 20	12	13	4	15	16	17	18	6	20
21	21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38	23	24	25	56	27	88	62	8	31	32	88	용	35	38	37	88	39 40	4

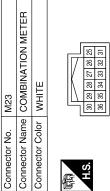
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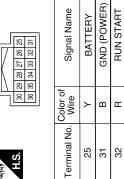
No.	M24	Connector No.	M28
r Name	nnector Name COMBINATION METER	Connector Name	nnector Name COMBINATION SWITCH
Connector Color	WHITE	Connector Color	WHITE

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF	7 1 8 9	10 11 12 13 14
Terminal No.	Color of Wire	Signal Name
2	Ь	OUTPUT 4
5	ГG	OUTPUT 3
7	Y	INPUT 3
8	٦	OUTPUT 5
6	BR	INPUT 2
10	ŋ	INPUT 4
11	Ь	INPUT 1
12	В	OUTPUT 1
13	as	INPUT 5
14	0	OUTPUT 2

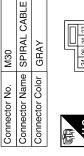








	M30
	Connector No.
	129
	nector No. M.



RAL CABLE	AY	25 56 27 33 34	Signal Name	I
e SPI	or GRAY	24 25 31 32	Color of Wire	BR
Connector Name SPIRAL CABLE	Connector Color	H.S.	Terminal No.	26

	SPIRAL CABLE	YELLOW	21 22 23 23 23 23 23 23 23 24 23 20 24 24 24 24 24 24 24 24 24 24 24 24 24	Signal Name	'
. M29				Color of Wire	۸
Connector No.	Connector Name	Connector Color	H.S.	Terminal No.	23

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Connector No. M34 Connector Name IGHTING SWITCH		_	H.S. 5 6 7 8	Terminal No. Wire Signal Name		2 BR INPUT 2	3 Y INPUT3	4 G INPUT 4	5 L OUTPUT 5	6 P OUTPUT 4	8 BB ILL (-)	Connector No. M39 Connector Name FUSE BLOCK (J/B) Connector Color WHITE	30 2010 H.S. 80 70 80 80 80 80 80 80	Terminal No. Wire Signal Name	10 R -	
Signal Name	ı	ı										M37 FRONT HEATED SEAT SWITCH RH BROWN	9 E	Signal Name	ı	
Terminal No. Wire	1G V	91G R										Connector No. M37 Connector Name FRONT I SEAT SV Connector Color BROWN	2 4	Terminal No. Wire	5 ×	
E TO WIBE			16 26 36 46 ⁵⁶ 66 76 86 99 106	11.G 126 136 146 156 156 176 186 19G 20G 21G 22G 23G 24G 25G 25G 27G 28G 29G 30G	31 G 32 G 33 G 34 G 35 G 36 G 37 G 38 G 39 G 40 G 41 G	42G43G44G45G46G47G48G49G50G	519526539549556569576589599600619		719726776776776776778787878	82G83G84G85G86G87G88G89G90G		HEATED WITCH LH	□ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □	Signal Name	1	
Connector No. M31		-	(国)	1161261	3163263	42G4	5195295	9079	71967967	8208	<u></u>	Connector No. M36 Connector Name FRONT SEAT S Connector Color WHITE	H.S.	Terminal No. Wire	2	

			1						1					
	Connector Name JOINT CONNECTOR-M01	E		F	6 5 4 3 2 1	19 18 17 16 15 14 13 12 11 10		Signal Name	1	ı	1	ı	-	1
. M45	me JOII	lor BLUE			9 8 7	20 19 18 1		Color of Wire	Г	7	7	۵	Ь	Р
Connector No.	Connector Na	Connector Color						Terminal No. Wire	က	2	8	12	14	17
						_								
	TROL UNIT (WITH	IM AUDIO SYSTEM)			[7		14 15 16 17 18 20	Signal Name	ILL CONT (-)	ILL CONT (+)				

	FRONT AIR CONTROL (WITH AUTOMATIC AIR CONDITIONER)	TE	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	Signal Name	ILL+	ILL-
M53	e FR	or WH	2 3 4 5 16 1 16 1 16 1	Color of Wire	>	BR
Connector No.	Connector Name	Connector Color WHITE	H.S. 13 14	Terminal No. Wire	23	24
					•	
	AID			ЭЕ		NS J

			ī			_
	AUDIO UNIT (WITH MID AUDIO SYSTEM)	ITE	2 3 4 5 6 7 8 9 11 12 13 14 15 16 17 18 20	Signal Name	(-)	ILL (+), LIGHT SW
. M50		lor WHITE	111111111111111111111111111111111111111	Color of Wire	BB	>
Connector No.	Connector Name	Connector Color	酥酮 H.S.	Terminal No.	∞	6
			· <u></u>			

M49 FRONT AIR CONTROL Connector Name CONDITTIONER) CONNECTOR WHITE CONDITTIONER CONDITTIONER CONDITTIONER CONDITTIONER CONDITTIONER CONDITTIONER CONDITTIONER CONDITIONER							
	6	ONT AIR CONTROL TH MANUAL AIR NDITTIONER)	ITE	5 6 7 8 9 10 11 17 18 19 20 21 22 23	Signal Name	T	- 111
onnector No onnector Na onnector Na Onnector Na Onnector Co Onnector Co Onnector Co Onnector Co Onnector Na Onnect				2 3 14 15	Color of Wire	>	BB
	Connector No.	Connector Na	Connector Co	明 H.S.	Terminal No.	23	24

14	Connector Name AV CONTROL UNIT	HITE	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 17	f Signal Nar	ILL CONT	IFF CONT
. M44	me A\	N	19 10 1	Color of Wire	BB	^
Connector No.	Connector Na	Connector Color WHITE	H.S.	Terminal No. Wire	8	6
	Connector Name AUDIO UNIT (WITH BASE AUDIO SYSTEM)	ITE	3 4 5 6 7 8 9 20 12 13 14 15 16 17 18 20	Signal Name	(-)	ILL (+), LIGHT SW
M42	ne AUI	or WHITE	19 10 11 11 11 11 11 11 11 11 11 11 11 11	Solor of Wire	BB	>
Connector No.	Connector Nar	Connector Color	H.S.	Terminal No. Wire	80	6

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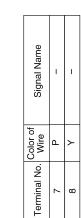
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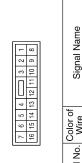
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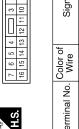
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	Connector Name HAZARD SWITCH	ITE	1 2 4	Signal Name	1	
. M55	me HAZ	lor WHITE		Color of Wire	>	
Connector No.	Connector Na	Connector Color	H.S.	Terminal No.	က	

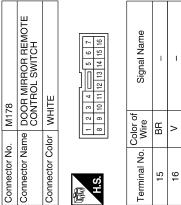


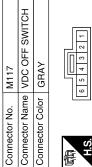
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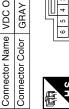
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L	Ь	
4	13	

	Ь	13
	٦	4
Sig	Color of Wire	Terminal No.

Signal Name	I	_	
Color of Wire	^	BR	
Terminal No.	8	4	







Signal	•	
Color of Wire	۸	BR
Terminal No.	3	4
	Color of Wire	Color of Wire

Name

M116	Connector Name SONAR SYSTEM OFF SWITCH	WHITE	23 6
Connector No.	Connector Name	Connector Color WHITE	4 1 2





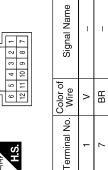
Signal Nam	-	_	
Color of Wire	BR	۸	
Terminal No.	2	4	

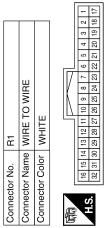
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GENT TION (NO)	В
POWER DISTRIBUTION POWER DISTRIBUTION BROWN BROWN I C Signal Name C	С
	D
Connector No. Connector Name Connector Color Terminal No. W 49 16 916	Е
	F
LIGENT L	G
F122 POWER DISTRIBUTION	Н
PDM F PDM	I
Connector No. Connector Name Connector No. Connector No. Connector No. Connector No. Connector No. Connector No. Fig. A.0 A.0 A.0 A.0 A.0 A.0 A.0 A	J
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Signal Name Signal Name Signal Name Signal Name Signal Name Signal Name Signal Name Signal Name	INL
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No. E55 Name WIRE	N
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Signal Name	-	_
Color of Wire	BR	۸
Terminal No.	17	18

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BASIC INSPECTION

DIAGNOSIS AND REPAIR WORKFLOW

Work Flow

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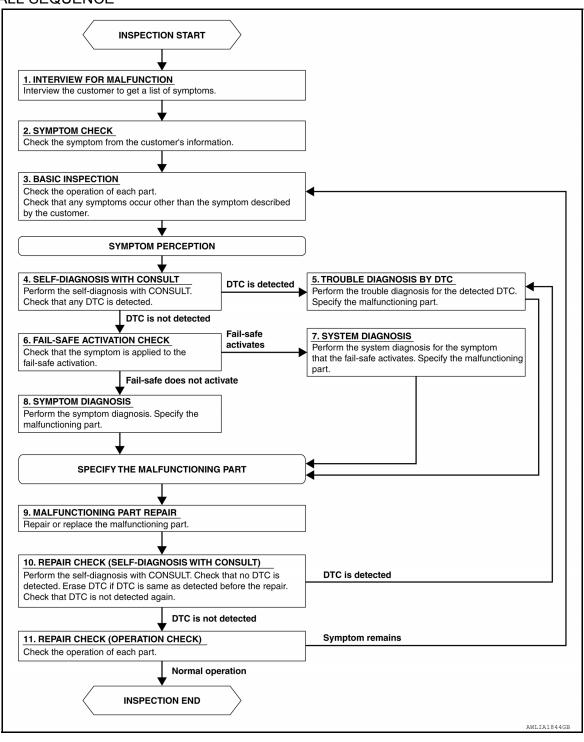
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OVERALL SEQUENCE



DIAGNOSIS AND REPAIR WORKFLOW

< BASIC INSPECTION >

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

DIAGNOSIS AND REPAIR WORKFLOW

< BASIC INSPECTION >

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

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POWER SUPPLY AND GROUND CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

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	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		
(+)			ignition switch position) I
ВСМ		(-)	OFF	ACC	ON
Connector	Terminal	OFF		ACC	
M20	70		Rattery voltage	Battery voltage	Battery voltage
IVIZO	57	57 Ground Battery voltage		Battery voltage	Dattery voltage
M18	11	Glound	Approx. 0 V	Battery voltage	Battery voltage
IVI I O	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.

В	CM		Continuity	
Connector Terminal		Ground	Continuity	
M20	67		Yes	

Is the inspection result normal?

YES >> Inspection End.

NO >> Repair harness or connector.

BATTERY SAVER OUTPUT/POWER SUPPLY CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

BATTERY SAVER OUTPUT/POWER SUPPLY CIRCUIT

Description INFOID:000000006738184

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

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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	(-)	voltage (v) (Approx.)
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 <u>BCS-55</u>, "Removal and Installation".

2.CHECK BATTERY SAVER OUTPUT/POWER SUPPLY OPEN CIRCUIT

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	BCM Each interior room lamp				Continuity
Connector	Terminal	Connector Termin		Terminal	Continuity
		Front room/map lamp assembly	R25	1	Yes
M20	56	Front cargo lamp	R26	1	
WI20 56	Center cargo lamp	R27	1	res	
		Rear cargo lamp	R28	1	

Is the inspection result normal?

YES >> GO TO 3

NO >> Repair the harness or connectors.

${f 3.}$ 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.

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BATTERY SAVER OUTPUT/POWER SUPPLY CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

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		voltage (v) (Approx.)
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.

BCI	M	Each interior room lamp			Continuity
Connector	Terminal	Connector		Terminal	Continuity
		Front room/map lamp assembly	R25	1	
		Cargo lamp	R20	1	
		Personal lamp 2nd row	R102	1	
M20	56	Personal lamp 3rd row	R103	1	Yes
		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?

BATTERY SAVER OUTPUT/POWER SUPPLY CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

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

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< DTC/CIRCUIT DIAGNOSIS >

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.
- Select "INT LAMP" of BCM (INT LAMP) active test item.
- 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

- 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.

< DTC/CIRCUIT DIAGNOSIS >

(+)		()	INT LAMP	Voltage	
Connector	Terminal	(-)	INT LAWIF	voltage	
M20	63	Ground	ON	0V	
IVI∠U	03	Giouna	OFF	Battery voltage	

Is the inspection result normal?

>> 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

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

BC	М	Interior room lamp			Continuity
Connector	Terminal	Component	Connector	Terminal	Continuity
		Front room/map lamp	R25	3	
M20	63	Front cargo lamp	R26	2	Yes
IVIZU	IVI20 03	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

- Turn ignition switch OFF.
- 2. Disconnect BCM harness connector M20.
- 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

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)

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

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< DTC/CIRCUIT DIAGNOSIS >

PASSENGER VAN: Component Function Check

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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
- ${\sf 1.}$ CHECK INTERIOR ROOM LAMP CONTROL FUNCTION

(P)CONSULT

- 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)
- 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

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

1. CHECK INTERIOR ROOM LAMP CONTROL OUTPUT

CONSULT

- 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.

((+) Connector Terminal		INT LAMP	Voltage	
Connector			IIVI LAWII		
M20	M20 62	Ground	ON	0V	
WI20	M20 63		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

< DTC/CIRCUIT DIAGNOSIS >

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	Continuity	
	Front room/map lamp	R25	3			
		Personal lamp 2nd row	R102	3		
M20 63	63	Personal lamp 3rd row	R103	3	Yes	
		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, <a href=""IREmoval and Installation", INL-65, "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

- 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.

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STEP LAMP CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

STEP LAMP CIRCUIT

Description INFOID.000000008126422

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
	02	Ground	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

- Turn ignition switch OFF.
- 2. Disconnect BCM harness connector M20 and front step lamp harness connector in question.
- 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.
- 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.

INTERIOR LIGHTING SYSTEM SYMPTOMS

< SYMPTOM DIAGNOSIS >

SYMPTOM DIAGNOSIS

INTERIOR LIGHTING SYSTEM SYMPTOMS

Symptom Table

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: CON- SULT 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 - BAT- TERY SAVER)".

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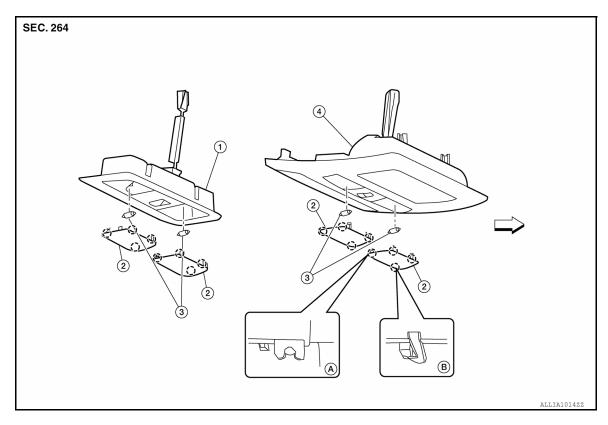
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REMOVAL AND INSTALLATION

FRONT ROOM/MAP LAMP

Exploded View



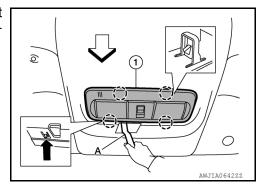
- Front room/map lamp assembly (high roof models)
- 4. Front room/map lamp assembly (w/overhead A. console) (standard roof models)
- /⁻\ Paw

- 2. Lens
- A. Pawl (primary)
- ← Front

- 3. Bulb
- B. Pawl (secondary)

Removal and Installation

- 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



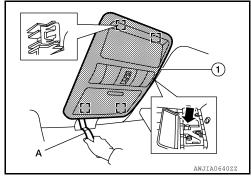
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FRONT ROOM/MAP LAMP

< REMOVAL AND INSTALLATION >

• 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

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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.

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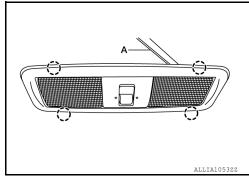
PERSONAL LAMP

Removal and Installation

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

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INFOID:0000000007949814

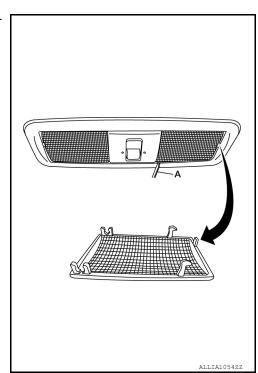
WARNING:

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

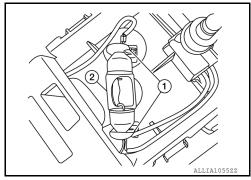
1. Release the personal lamp lens pawls, then remove the personal lamp lens, using a suitable tool (A).



PERSONAL LAMP

< REMOVAL AND INSTALLATION >

- 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.



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STEP LAMP

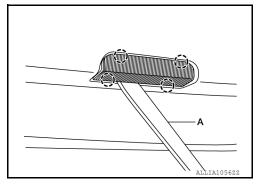
Removal and Installation

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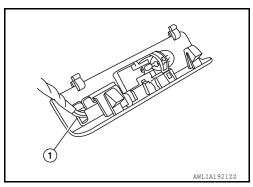
REMOVAL

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

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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

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WARNING:

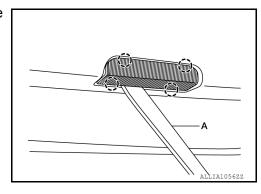
Do not touch the bulb by hand while it is lit, or right after being turned OFF to prevent burns. CAUTION:

- 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).

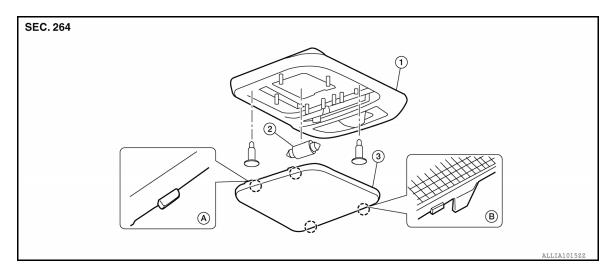
(): Pawl



- 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



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

Removal and Installation - Front, Center or Rear

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.
- Disconnect the harness connector from cargo lamp and remove.

INSTALLATION

Installation is in the reverse order of removal.

Bulb Replacement

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WARNING:

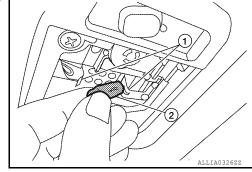
Do not touch the bulb by hand while it is lit, or right after being turned OFF to prevent burns. CAUTION:

- 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.



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CARGO LAMP

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

ILLUMINATION CONTROL SYSTEM

< REMOVAL AND INSTALLATION >

ILLUMINATION CONTROL SYSTEM

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

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Removal and Installation INFOID:0000000006968407 Installation". INL

BULB SPECIFICATIONS

< SERVICE DATA AND SPECIFICATIONS (SDS)

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.