

# SECTION **INL**

## INTERIOR LIGHTING SYSTEM

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< PRECAUTION >

# PRECAUTION

## PRECAUTIONS

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

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

#### **WARNING:**

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

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

#### **WARNING:**

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

### Precaution for Work

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- When removing or disassembling each component, be careful not to damage or deform it. If a component may be subject to interference, be sure to protect it with a shop cloth.
- When removing (disengaging) components with a screwdriver or similar tool, be sure to wrap the component with a shop cloth or vinyl tape to protect it.
- Protect the removed parts with a shop cloth and prevent them from being dropped.
- Replace a deformed or damaged clip.
- If a part is specified as a non-reusable part, always replace it with a new one.
- Be sure to tighten bolts and nuts securely to the specified torque.
- After installation is complete, be sure to check that each part works properly.
- Follow the steps below to clean components:
  - Water soluble dirt:
    - Dip a soft cloth into lukewarm water, wring the water out of the cloth and wipe the dirty area.
    - Then rub with a soft, dry cloth.
  - Oily dirt:
    - Dip a soft cloth into lukewarm water with mild detergent (concentration: within 2 to 3%) and wipe the dirty area.
    - Then dip a cloth into fresh water, wring the water out of the cloth and wipe the detergent off.
    - Then rub with a soft, dry cloth.
  - Do not use organic solvent such as thinner, benzene, alcohol or gasoline.
  - For genuine leather seats, use a genuine leather seat cleaner.

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## PREPARATION

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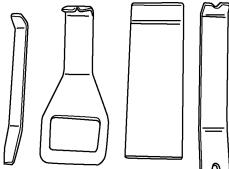
# PREPARATION

## PREPARATION

### Special Service Tool

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

Tool number (TechMate No.)	Description
— (J-46534) Trim Tool Set	 AWJIA0483ZZ

# COMPONENT PARTS

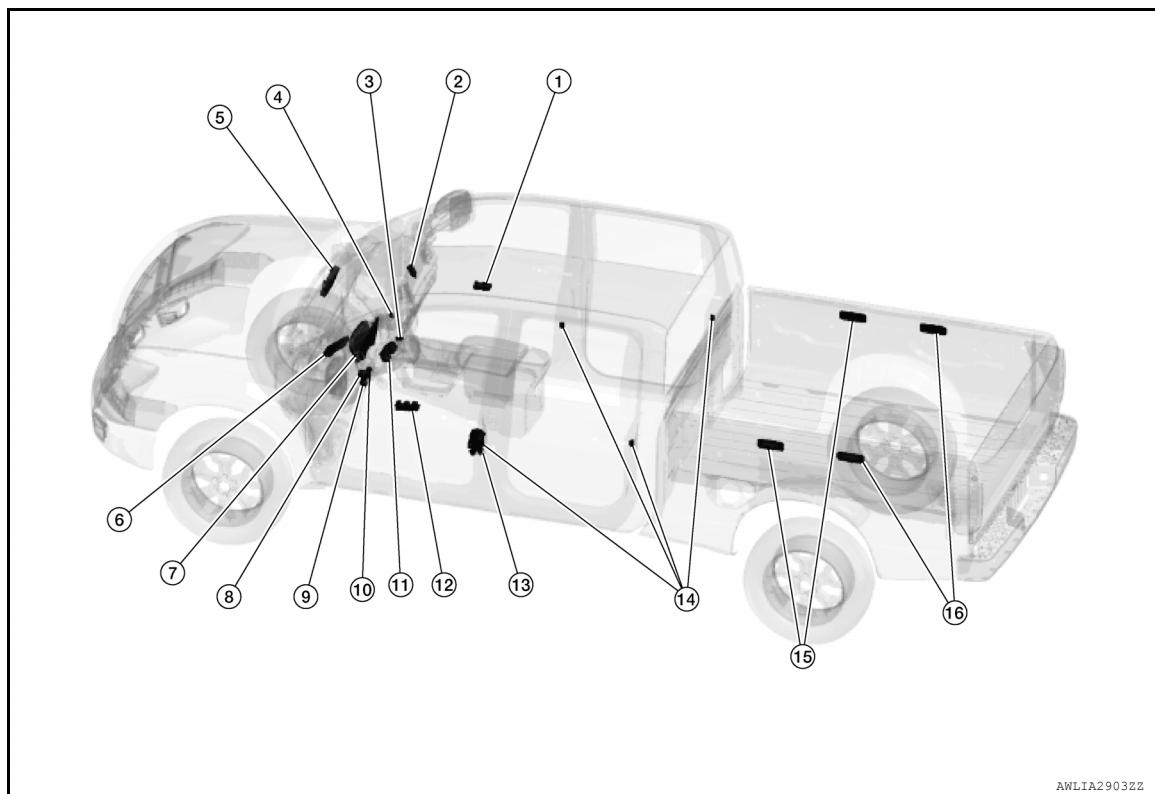
< SYSTEM DESCRIPTION >

## SYSTEM DESCRIPTION

### COMPONENT PARTS

#### Component Parts Location

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No.	Component	Function
1.	Power window and door lock/unlock switch RH	<ul style="list-style-type: none"><li>Provides door lock/unlock position switch RH status to the BCM.</li><li>Refer to <a href="#">PWC-6, "Component Parts Location"</a> for detailed installation location.</li></ul>
2.	Remote keyless entry receiver	Refer to <a href="#">DLK-11, "INTELLIGENT KEY SYSTEM : Component Parts Location"</a> for detailed installation location.
3.	Push-button ignition switch (push-button ignition switch illumination)	<ul style="list-style-type: none"><li>Provides ignition switch status to the BCM.</li><li>Refer to <a href="#">PCS-46, "Component Parts Location"</a> for detailed installation location.</li></ul>
4.	Cargo lamp relay	Refer to <a href="#">INL-7, "INTERIOR ROOM LAMP CONTROL SYSTEM : System Description"</a> .
5.	IPDM E/R	<ul style="list-style-type: none"><li>Controls the integrated tail lamp relay according to the request signal from BCM (via CAN communication).</li><li>Refer to <a href="#">PCS-5, "Component Parts Location"</a> for detailed installation location.</li></ul>
6.	BCM	<ul style="list-style-type: none"><li>Activates the interior room lamp timer depending on the vehicle condition to turn the interior room lamps ON/OFF.</li><li>Operates the interior room lamp battery saver depending on the vehicle condition to turn interior room lamps OFF.</li><li>Detects each switch condition by the combination switch reading function.</li><li>Judges the illumination lamp ON/OFF status depending on the vehicle condition. And then transmits request signal to IPDM E/R and combination meter (via CAN communication).</li><li>Refer to <a href="#">BCS-5, "BODY CONTROL SYSTEM : Component Parts Location"</a> for detailed installation location.</li></ul>

## COMPONENT PARTS

### < SYSTEM DESCRIPTION >

No.	Component	Function
7.	Combination meter	<ul style="list-style-type: none"> <li>Controls the meter illumination according to the request signal from BCM (via CAN communication).</li> <li>Refer to <a href="#">MWI-12, "METER SYSTEM : Combination Meter"</a> (type A) or <a href="#">MWI-116, "METER SYSTEM : Component Parts Location"</a> (type B) for detailed installation location.</li> </ul>
8.	Lighting switch	The lighting switch provides input to the BCM about the lighting switch position.
9.	Cargo lamp switch	Refer to <a href="#">INL-76, "Exploded View"</a> for detailed installation location.
10.	Meter control switch	<ul style="list-style-type: none"> <li>Adjusts the illumination system and combination meter illumination brightness.</li> <li>Refer to <a href="#">MWI-13, "METER SYSTEM : Meter Control Switch"</a>.</li> </ul>
11.	Combination switch (high beam and turn signal switch)	Refer to <a href="#">BCS-5, "BODY CONTROL SYSTEM : Component Parts Location"</a> for detailed installation location.
12.	Main power window and door lock/unlock switch	<ul style="list-style-type: none"> <li>Provides door lock/unlock position switch LH status to the BCM.</li> <li>Refer to <a href="#">PWC-6, "Component Parts Location"</a> for detailed installation location.</li> </ul>
13.	Front door lock assembly LH (door unlock sensor)	<ul style="list-style-type: none"> <li>Provides door lock/unlock position switch LH status to the BCM.</li> <li>Refer to <a href="#">DLK-9, "POWER DOOR LOCK SYSTEM : Component Parts Location"</a> for detailed installation location.</li> </ul>
14.	Door switches	<ul style="list-style-type: none"> <li>Provides door OPEN/CLOSED status to the BCM.</li> <li>Refer to <a href="#">DLK-9, "POWER DOOR LOCK SYSTEM : Component Parts Location"</a> for detailed installation location.</li> </ul>
15.	Front bed lamps	Refer to <a href="#">INL-7, "INTERIOR ROOM LAMP CONTROL SYSTEM : System Description"</a> .
16.	Rear bed lamps	Refer to <a href="#">INL-7, "INTERIOR ROOM LAMP CONTROL SYSTEM : System Description"</a> .

# SYSTEM

< SYSTEM DESCRIPTION >

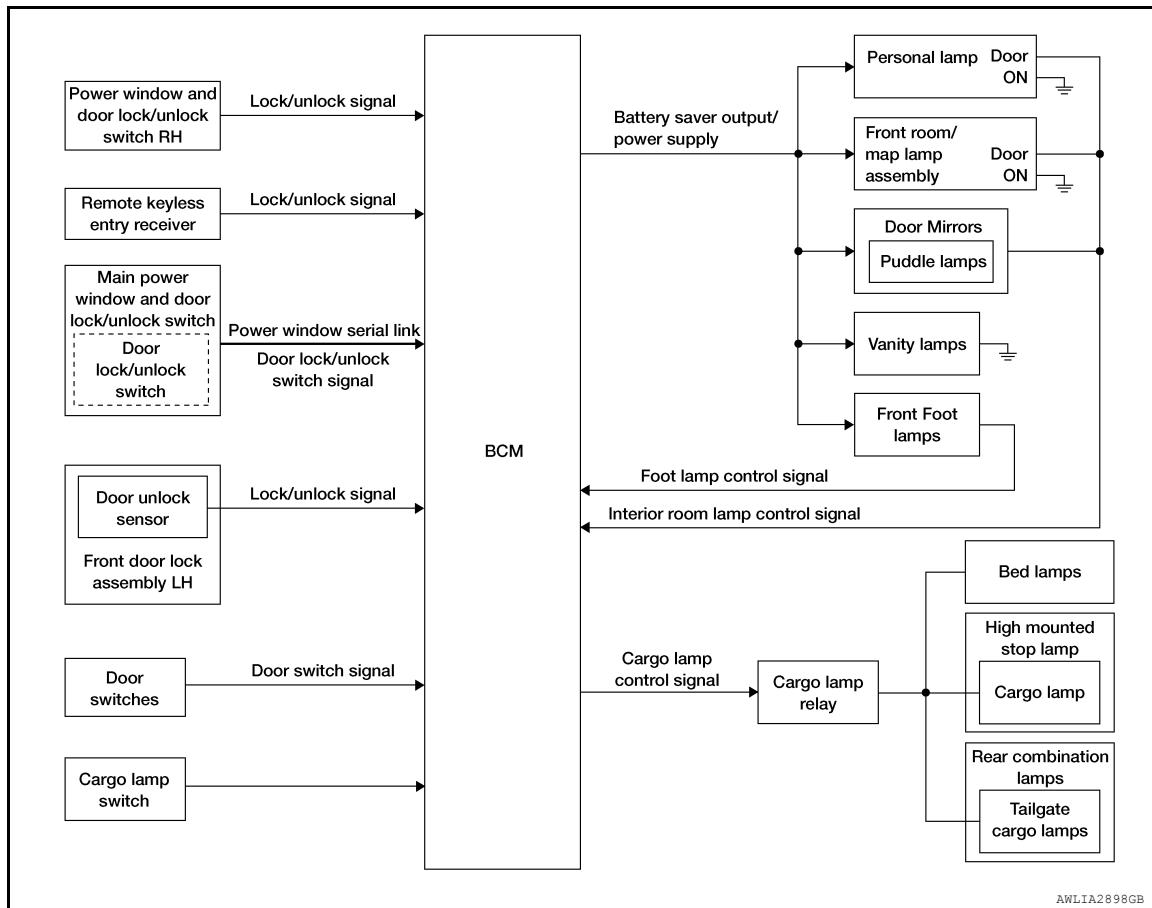
## SYSTEM

### INTERIOR ROOM LAMP CONTROL SYSTEM

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

INFOID:000000014388914

#### SYSTEM DIAGRAM



#### OUTLINE

- Front room/map lamp assembly, personal lamp and puddle lamps (if equipped) are controlled by the interior room lamp timer control function of the BCM when the lamp switch is in the DOOR position.
- Front foot lamps (if equipped) are controlled by the front foot lamp control function of the BCM.
- Push-button ignition switch illumination is controlled by the push-button ignition switch illumination control function of BCM.
- Interior room lamps are illuminated by the welcome light function of the Intelligent Key system. Refer to [DLK-19, "INTELLIGENT KEY SYSTEM : System Description"](#).
- Cargo lamp, bed lamps (if equipped) and tailgate cargo lamps (if equipped) are controlled by the cargo lamp control function of the BCM.

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#### ROOM LAMP TIMER OPERATION

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

- When the front door LH is unlocked with Intelligent Key system, main power window and door lock/unlock switch or front door lock assembly LH (door unlock sensor).
- When a door opens → closes.

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Timer control is cancelled under the following conditions:

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

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#### INTERIOR LAMP BATTERY SAVER CONTROL

# SYSTEM

## < SYSTEM DESCRIPTION >

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 the following conditions are met:

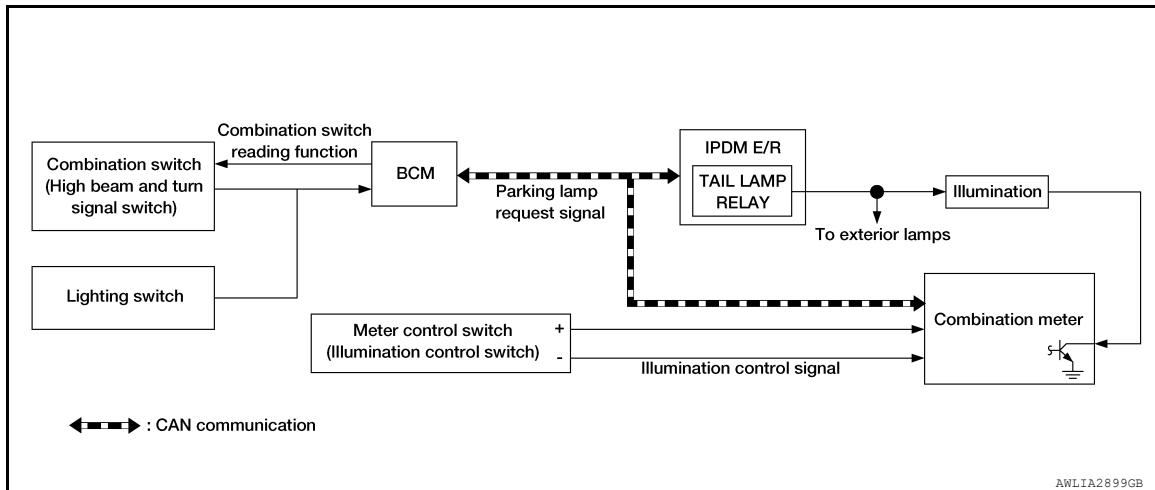
- A signal is received from an Intelligent Key or main power window and door lock/unlock switch or when the front door lock assembly LH (door unlock sensor) is locked or unlocked.
- A door is opened or closed.

## ILLUMINATION CONTROL SYSTEM

### ILLUMINATION CONTROL SYSTEM : System Description

INFOID:000000014388915

#### SYSTEM DIAGRAM



#### 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. The illumination brightness can be controlled by the meter control switch (illumination control switch).

#### 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 the illumination lamps have been turned off by the battery saver control, the illumination lamps illuminate again.

# DIAGNOSIS SYSTEM (BCM)

< SYSTEM DESCRIPTION >

## DIAGNOSIS SYSTEM (BCM)

### COMMON ITEM

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

INFOID:000000014692705

##### 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	<ul style="list-style-type: none"> <li>The vehicle specification can be read and saved.</li> <li>The vehicle specification can be written when replacing BCM.</li> </ul>
CAN Diag Support Mntr	The result of transmit/receive diagnosis of CAN communication is displayed.

##### SYSTEM APPLICATION

BCM can perform the following functions:

System	Sub System	Direct Diagnostic Mode						
		ECU Identification	Self Diagnostic Result	Data Monitor	Active Test	Work support	Configuration	CAN Diag Support Mntr
Door lock	DOOR LOCK		×	×	×	×		
Rear window defogger	REAR DEFOGGER			×	×	×		
Warning chime	BUZZER			×	×			
Interior room lamp timer	INT LAMP			×	×	×		
Exterior lamp	HEADLAMP			×	×	×		
Wiper and washer	WIPER			×	×	×		
Turn signal and hazard warning lamps	FLASHER			×	×	×		
Air conditioner	AIR CONDITIONER			×				
Intelligent Key system	INTELLIGENT KEY		×	×	×	×		
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			×				

##### FREEZE FRAME DATA (FFD)

The BCM records the following vehicle condition at the time a particular DTC is detected, and displays it on CONSULT.

# DIAGNOSIS SYSTEM (BCM)

## < SYSTEM DESCRIPTION >

CONSULT screen item	Indication/Unit	Description
Vehicle Speed	km/h	Vehicle speed at the moment a particular DTC is detected
Odo/Trip Meter	km	Total mileage (Odometer value) at the moment a particular DTC is detected
Vehicle Condition	SLEEP>LOCK	While turning BCM status from low power consumption mode to normal mode (Power supply position is "LOCK").
	SLEEP>OFF	While turning BCM status from low power consumption mode to normal mode (Power supply position is "OFF").
	LOCK>ACC	While turning power supply position from "LOCK" * to "ACC"
	ACC>ON	While turning power supply position from "ACC" to "IGN"
	RUN>ACC	While turning power supply position from "RUN" to "ACC" (Vehicle is stopped and selector lever is in P position.)
	CRANK>RUN	While turning power supply position from "CRANKING" to "RUN" (From cranking up the engine to run it)
	RUN>URGENT	While turning power supply position from "RUN" to "ACC" (Emergency stop operation)
	ACC>OFF	While turning power supply position from "ACC" to "OFF"
	OFF>LOCK	While turning power supply position from "OFF" to "LOCK"*
	OFF>ACC	While turning power supply position from "OFF" to "ACC"
	ON>CRANK	While turning power supply position from "IGN" to "CRANKING"
	OFF>SLEEP	While turning BCM status from normal mode (Power supply position is "OFF".) to low power consumption mode
	LOCK>SLEEP	While turning BCM status from normal mode (Power supply position is "LOCK"*. ) to low power consumption mode
	LOCK	Power supply position is "LOCK" (Ignition switch OFF)*
	OFF	Power supply position is "OFF" (Ignition switch OFF)
	ACC	Power supply position is "ACC" (Ignition switch ACC)
	ON	Power supply position is "IGN" (Ignition switch ON with engine stopped)
	ENGINE RUN	Power supply position is "RUN" (Ignition switch ON with engine running)
	CRANKING	Power supply position is "CRANKING" (At engine cranking)
IGN Counter	0 - 39	<p>The number of times that ignition switch is turned ON after DTC is detected</p> <ul style="list-style-type: none"> <li>The number is 0 when a malfunction is detected now.</li> <li>The number increases like 1 → 2 → 3...38 → 39 after returning to the normal condition whenever ignition is switched OFF → ON.</li> <li>The number is fixed to 39 until the self-diagnosis results are erased if it is over 39.</li> </ul>

### NOTE:

\*: Power supply position shifts to "LOCK" from "OFF", when ignition switch is in the OFF position, selector lever is in the P position, and any of the following conditions are met:

- Closing door
- Opening door
- Door is locked using door request switch
- Door is locked using Intelligent Key

The power supply position shifts to "ACC" when the push-button ignition switch (push switch) is pushed at "LOCK".

### INT LAMP

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

INFOID:0000000014692706

### DATA MONITOR

# DIAGNOSIS SYSTEM (BCM)

## < SYSTEM DESCRIPTION >

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

## ACTIVE TEST

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

## WORK SUPPORT

### NOTE:

The items listed below are the only applicable Work Support items for this vehicle. If other items are displayed on CONSULT, do not use or change the setting for these other items.

Support Item	Setting	Description
SET I/L D-UNLCK INTCON	On	Interior room lamp timer function ON.
	Off*	Interior room lamp timer function OFF.
SCENARIO LIGHTING SETTING	On	<b>NOTE:</b> Do not use this function since interior room lamp control is changed.
	Off*	
FOG LAMP OVERRIDE	On*	With fog override function.
	Off	Without fog override function.

\*: Initial setting

## BATTERY SAVER

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

INFOID:000000014692707

## DATA MONITOR

Monitor Item [Unit]	Description
REQ SW -DR [On/Off]	Indicates condition of door request switch LH.
REQ SW -AS [On/Off]	Indicates condition of door request switch RH.
PUSH SW [On/Off]	Indicates condition of push-button ignition switch.
UNLK SEN -DR [On/Off]	Indicates condition of door unlock sensor.
DOOR SW-DR [On/Off]	Indicates condition of front door switch LH.
DOOR SW-AS [On/Off]	Indicates condition of front door switch RH.

# DIAGNOSIS SYSTEM (BCM)

## < SYSTEM DESCRIPTION >

Monitor Item [Unit]	Description
DOOR SW-RR [On/Off]	Indicates condition of rear door switch RH.
DOOR SW-RL [On/Off]	Indicates condition of rear door switch LH.
CDL LOCK SW [On/Off]	Indicates condition of lock signal from door lock and unlock switch.
CDL UNLOCK SW [On/Off]	Indicates condition of unlock signal from door lock and unlock switch.
KEY CYL LK-SW [On/Off]	Indicates condition of lock signal from door key cylinder switch.
KEY CYL UN-SW [On/Off]	Indicates condition of unlock signal from door key cylinder switch.
RKE-LOCK [On/Off]	Indicates condition of lock signal from Intelligent Key.
RKE-UNLOCK [On/Off]	Indicates condition of unlock signal from Intelligent Key.

## ACTIVE TEST

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

## BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

# ECU DIAGNOSIS INFORMATION

## BCM (BODY CONTROL MODULE)

### List of ECU Reference

INFOID:000000014388919

ECU	Reference
BCM	<a href="#">BCS-32, "Reference Value"</a>
	<a href="#">BCS-51, "Fail_Safe"</a>
	<a href="#">BCS-51, "DTC_Inspection_Priority_Chart"</a>
	<a href="#">BCS-52, "DTC_Index"</a>

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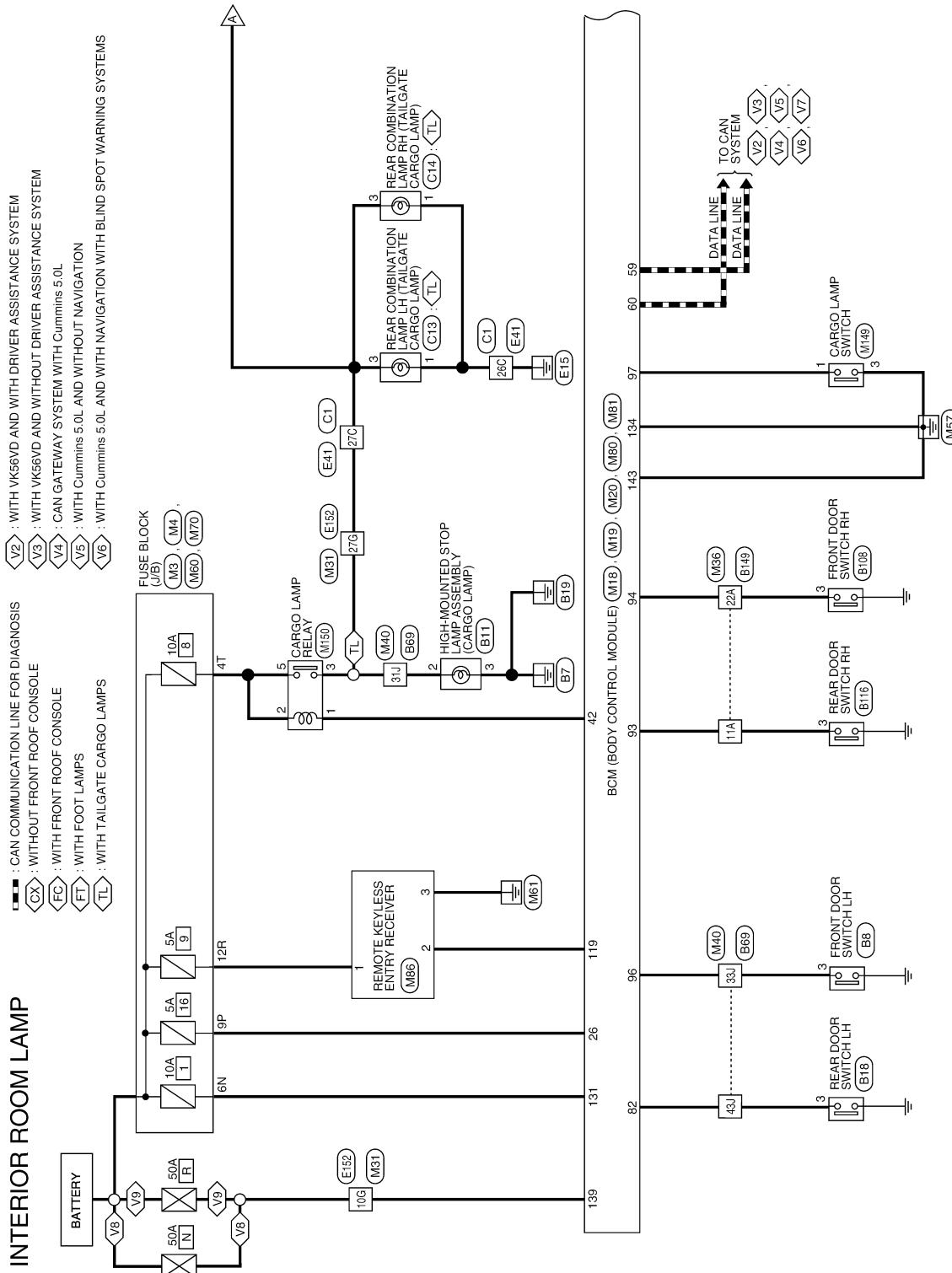
## INTERIOR ROOM LAMP

## < WIRING DIAGRAM >

## WIRING DIAGRAM INTERIOR ROOM LAMP

## Wiring Diagram

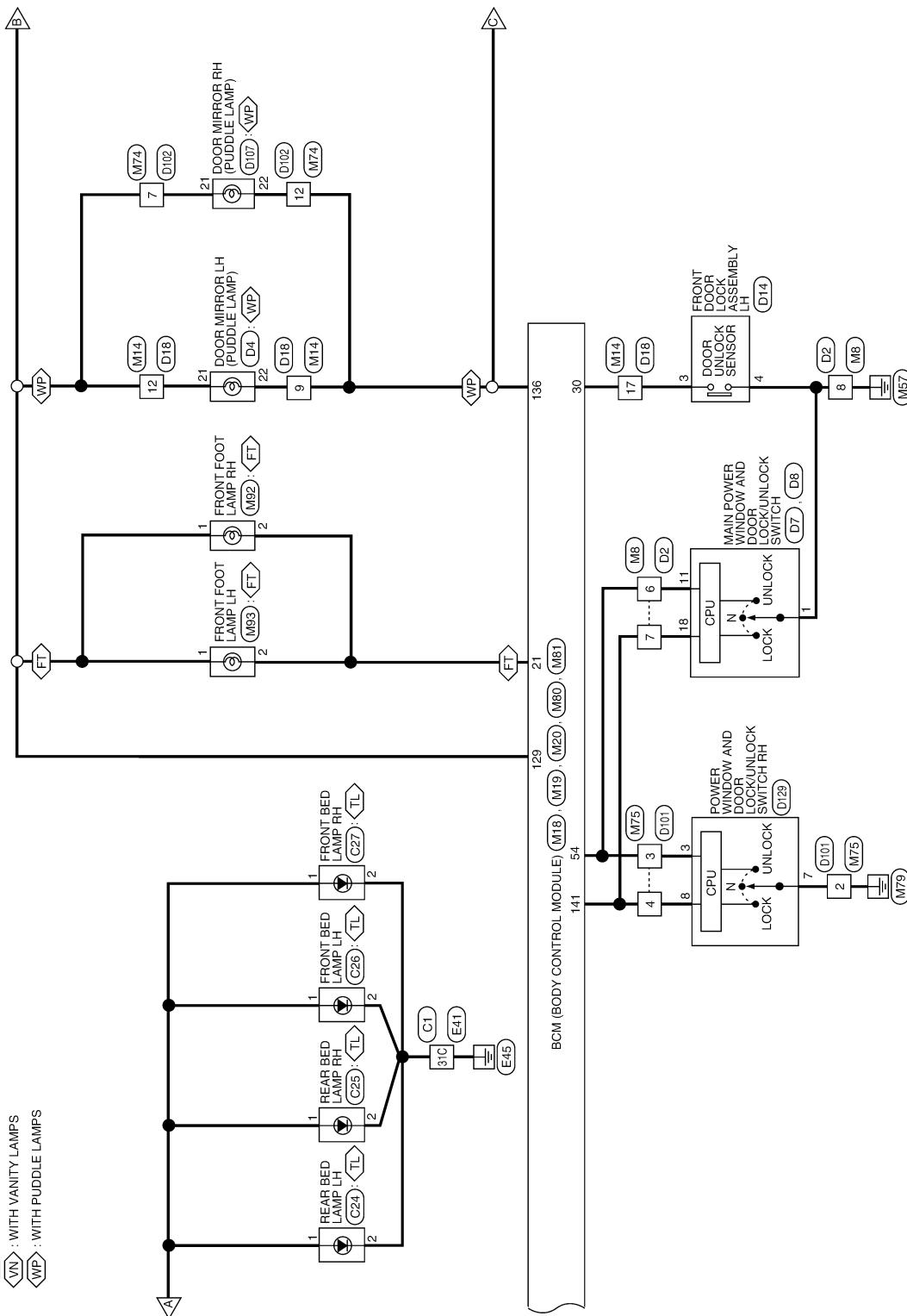
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# INTERIOR ROOM LAMP

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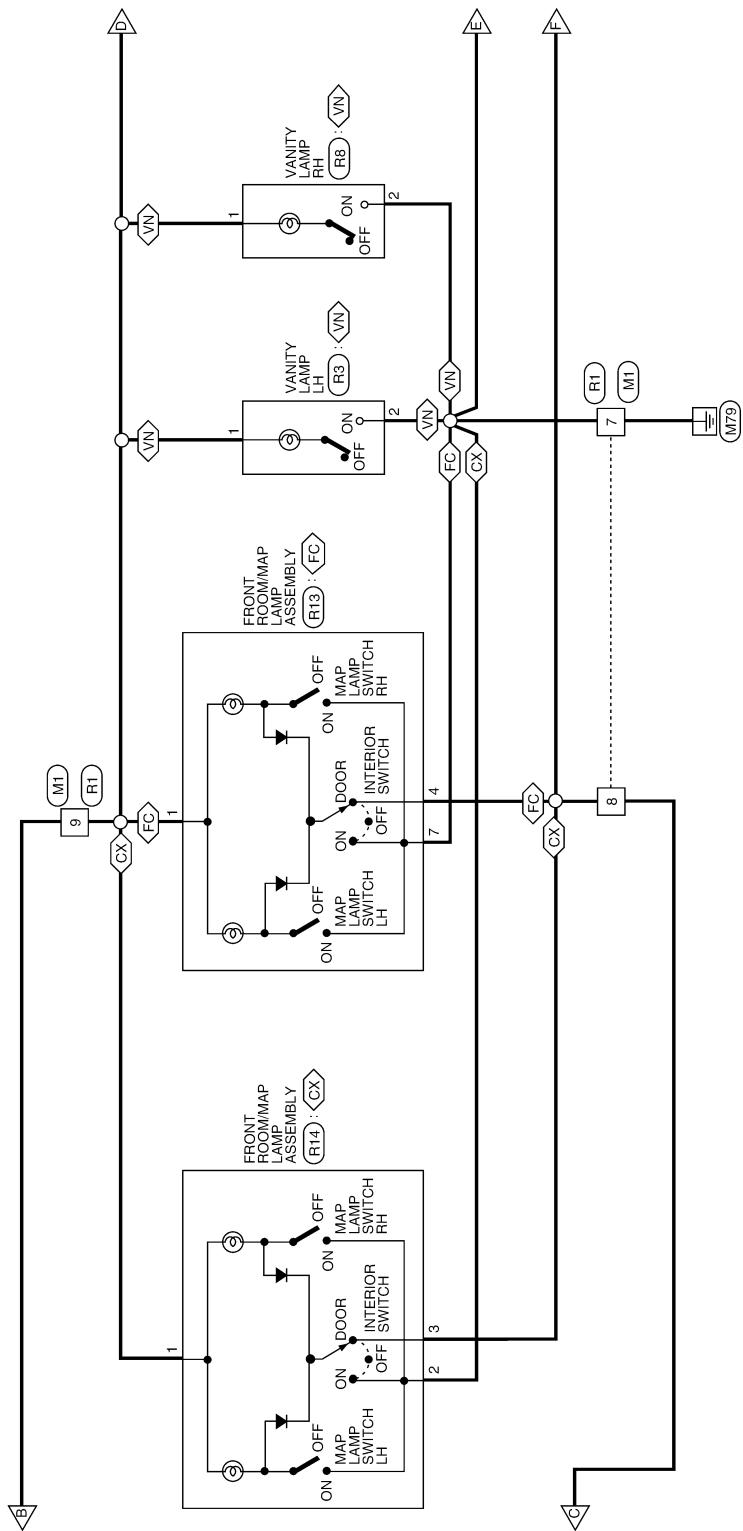
V7 : WITH Cummins 5.0L AND WITH NAVIGATION WITHOUT BLIND SPOT WARNING SYSTEMS  
 V8 : WITH VK56VD  
 V9 : WITH Cummins 5.0L  
 V1N : WITH VANITY LAMPS  
 VWP : WITH PUDLE LAMPS



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# INTERIOR ROOM LAMP

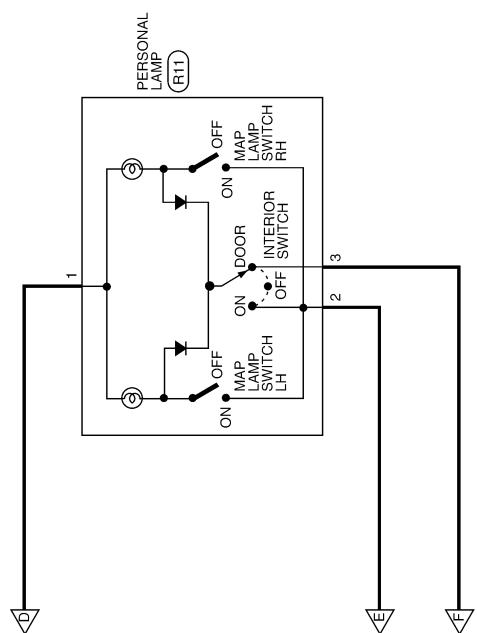
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## INTERIOR ROOM LAMP

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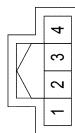
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## INTERIOR ROOM LAMP

## < WIRING DIAGRAM >

## INTERIOR ROOM LAMP CONNECTORS

Connector No.	B8
Connector Name	FRONT DOOR SWITCH LH
Connector Type	TH04FW-NH
Connector Color	WHITE



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-	-		
SB	RL_Door SW		
-	-		

Br No.	B69
r Name	WIRE TO WIRE
r Type	TH80MW-CS16-TM4
r Color	WHITE

5  4  3  2  1
10  9  8  7  6

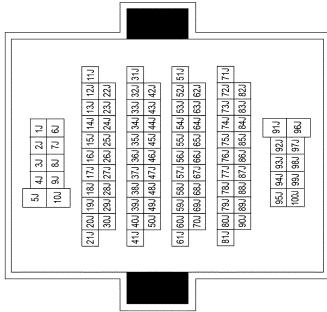
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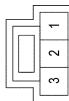
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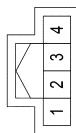
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9  5  94  93  92  91
10  0  98  97  96



23J	W	TO MAIN HARNESS
24J	W/R	TO MAIN HARNESS
25J	V	TO MAIN HARNESS
26J	L	TO MAIN HARNESS
27J	R	TO MAIN HARNESS
28J	L	TO MAIN HARNESS
29J	G/O	TO MAIN HARNESS
30J	SB	TO MAIN HARNESS
31J	LG	TO MAIN HARNESS
32J	R	TO MAIN HARNESS
33J	L	TO MAIN HARNESS
34J	Y	TO MAIN HARNESS
35J	P	TO MAIN HARNESS
36J	G/R	TO MAIN HARNESS
37J	L/G/B	TO MAIN HARNESS
38J	SB	TO MAIN HARNESS
39J	Y/L	TO MAIN HARNESS
40J	BR	TO MAIN HARNESS
41J	L	TO MAIN HARNESS
42J	L	TO MAIN HARNESS
43J	SB	TO MAIN HARNESS
44J	BR	TO MAIN HARNESS
45J	BG	TO MAIN HARNESS
46J	P/Y	TO MAIN HARNESS
47J	Y/G/R	TO MAIN HARNESS
48J	V	TO MAIN HARNESS
49J	B/R/Y	TO MAIN HARNESS
50J	G/W	TO MAIN HARNESS
51J	-	TO MAIN HARNESS
52J	SHIELD	TO MAIN HARNESS
53J	R	TO MAIN HARNESS
54J	L	TO MAIN HARNESS
55J	R	TO MAIN HARNESS
56J	W	TO MAIN HARNESS
57J	L/G	TO MAIN HARNESS
58J	O	TO MAIN HARNESS
59J	-	TO MAIN HARNESS
60J	SHIELD	TO MAIN HARNESS
61J	G	TO MAIN HARNESS
62J	-	TO MAIN HARNESS
63J	R/W	TO MAIN HARNESS
64J	L/W	TO MAIN HARNESS
65J	SHIELD	TO MAIN HARNESS
66J	B	TO MAIN HARNESS
67J	SHIELD	TO MAIN HARNESS
68J	O/L	TO MAIN HARNESS
69J	SHIELD	TO MAIN HARNESS
70J	BR	TO MAIN HARNESS
71J	L/W	TO MAIN HARNESS
72J	-	TO MAIN HARNESS
73J	-	TO MAIN HARNESS
74J	SHIELD	TO MAIN HARNESS

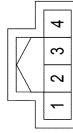


Terminal No.	Color of Wire	Signal Name
1	R/G	STOP LAMP
2	LG	CARGO LAMP
3	B	GND



Connector No.	B108
Connector Name	FRONT DOOR SWITCH RH
Connector Type	TH04FW-NH
Connector Color	WHITE



75J	LQ/B	TO MAIN HARNESS
76J	R	TO MAIN HARNESS
77J	SHIELD	TO MAIN HARNESS
78J	GR/B	TO MAIN HARNESS
79J	B	TO MAIN HARNESS
80J	W	TO MAIN HARNESS
81J	SHIELD	TO MAIN HARNESS
82J	L/R	TO MAIN HARNESS
83J	-	TO MAIN HARNESS
84J	-	TO MAIN HARNESS
85J	Y/B	TO MAIN HARNESS
86J	G	TO MAIN HARNESS
87J	B/R	TO MAIN HARNESS
88J	SHIELD	TO MAIN HARNESS
89J	GR/R	TO MAIN HARNESS
90J	L	TO MAIN HARNESS
91J	L/B	TO MAIN HARNESS
92J	SB	TO MAIN HARNESS
93J	B	TO MAIN HARNESS
94J	L	TO MAIN HARNESS
95J	LG	TO MAIN HARNESS
96J	R	TO MAIN HARNESS
97J	B/Y	TO MAIN HARNESS
98J	L/B	TO MAIN HARNESS
99J	WL	TO MAIN HARNESS
100J	SB	TO MAIN HARNESS



## INTERIOR ROOM LAMP

## < WIRING DIAGRAM >

A

B

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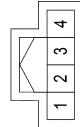
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P

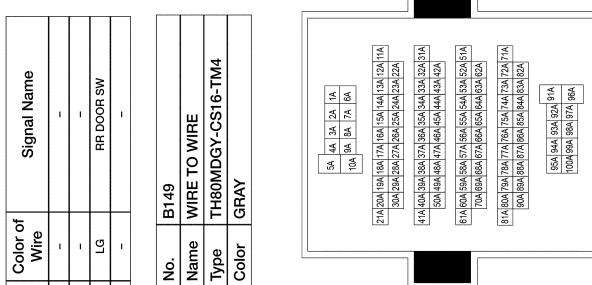
## INTERIOR ROOM LAMP CONNECTORS

Connector No.	B116
Connector Name	REAR DOOR SWITCH RH
Connector Type	TH04FW-NH
Connector Color	WHITE



5

6A	L/G/Y	TO MAIN HARNESS (WITHOUT CLIMATE CONTROLLED SEAT(S))
6A	LG	TO MAIN HARNESS (WITH CLIMATE CONTROLLED SEAT(S))
7A	W	TO MAIN HARNESS
8A	B	TO MAIN HARNESS
9A	L/B	TO MAIN HARNESS
10A	W	TO MAIN HARNESS
11A	LG	TO MAIN HARNESS
12A	BR/O	TO MAIN HARNESS
13A	Y/W	TO MAIN HARNESS
14A	R/G	TO MAIN HARNESS
15A	Y/L	TO MAIN HARNESS
16A	O/L	TO MAIN HARNESS
17A	L	TO MAIN HARNESS
18A	Y	TO MAIN HARNESS
19A	LG	TO MAIN HARNESS
20A	R	TO MAIN HARNESS
21A	B/G	TO MAIN HARNESS
22A	LG/R	TO MAIN HARNESS
23A	Y/L/G	TO MAIN HARNESS
24A	B/R/Y	TO MAIN HARNESS
25A	-	TO MAIN HARNESS
26A	G/R	TO MAIN HARNESS
27A	LG	TO MAIN HARNESS
28A	L/G/B	TO MAIN HARNESS
29A	-	TO MAIN HARNESS
30A	BR	TO MAIN HARNESS
31A	W/R	TO MAIN HARNESS
32A	G/R	TO MAIN HARNESS
33A	-	TO MAIN HARNESS
34A	SHIELD	TO MAIN HARNESS
35A	P	TO MAIN HARNESS
36A	B	TO MAIN HARNESS
37A	-	TO MAIN HARNESS
38A	R/B	TO MAIN HARNESS
39A	G/O	TO MAIN HARNESS
40A	V	TO MAIN HARNESS
41A	SHIELD	TO MAIN HARNESS
42A	SHIELD	TO MAIN HARNESS
43A	R	TO MAIN HARNESS
44A	G	TO MAIN HARNESS
45A	-	TO MAIN HARNESS
46A	-	TO MAIN HARNESS
47A	Y	TO MAIN HARNESS
48A	R/W	TO MAIN HARNESS
49A	R/L	TO MAIN HARNESS
50A	B	TO MAIN HARNESS
51A	-	TO MAIN HARNESS
52A	-	TO MAIN HARNESS
53A	-	TO MAIN HARNESS
54A	-	TO MAIN HARNESS
55A	-	TO MAIN HARNESS
56A	-	TO MAIN HARNESS



AAITA5588GE

Terminal No.	Color of Wire	Signal Name
1A	SB/G	TO MAIN HARNESS, (WITHOUT CLIMATE CONTROLLED SEATS)
1A	SB	TO MAIN HARNESS, (WITH CLIMATE CONTROLLED SEATS)
2A	L	TO MAIN HARNESS
3A	V	TO MAIN HARNESS
4A	SB/R	TO MAIN HARNESS
5A	-	TO MAIN HARNESS

# INTERIOR ROOM LAMP

< WIRING DIAGRAM >

## INTERIOR ROOM LAMP CONNECTORS

Connector No.	Signal Name	Color of Wire	Terminal No.	Color of Wire	Signal Name
C1	WIRE TO WIRE	Y/Y	1	2	3
		Y/Y	2	3	4
		Y/Y	3	4	5
		Y/Y	4	5	6
		Y/Y	5	6	7
		Y/Y	6	7	8
		Y/Y	7		
		Y/Y	8		
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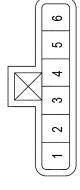
# INTERIOR ROOM LAMP

< WIRING DIAGRAM >

## INTERIOR ROOM LAMP CONNECTORS

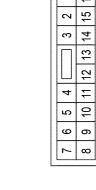
Connector No.	C27	Connector No.	D4
Connector Name	FRONT BED LAMP RH	Connector Name	DOOR MIRROR LH
Connector Type	RH02MB	Connector Type	TH24MW-NH
Connector Color	BLACK	Connector Color	WHITE

**H.S.**



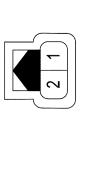
Terminal No.	Color of Wire	Signal Name	Signal Name	Terminal No.	Color of Wire	Signal Name	Signal Name
1	LG	CARGO LAMP	SWITCH MTR UP	1	B	GND	L
2	B	GROUND	SWITCH MTR LT-(WITH MEMORY MIRRORS)	2	-	-	V
			SWITCH MTR LT (WITHOUT MEMORY MIRRORS)	3	WR	D LOCK ACTR DR	LG
				4	R	ENCODER SIG2	B
				5	BG	ENCODER SIG1	BW
				6	SB	RR DN	WWR
				7	V	RR UP	D LOCK ACTUATOR DR
				8	L	RL DN	D LOCK ACTUATOR DR
				9	Y	RL UP	-
				10	LG	IGN	-
				11	WL	COM	-
				12	B	ENCODER SND	-
				13	-	-	-
				14	P	ECODE**	-
				15	BW	D LOCK ACTR DR	-
				16	-	-	-

**H.S.**



Terminal No.	Color of Wire	Signal Name	Signal Name	Terminal No.	Color of Wire	Signal Name	Signal Name
1	LG	CARGO LAMP	SWITCH MTR UP	1	B	GND	L
2	B	GROUND	SWITCH MTR LT-(WITH MEMORY MIRRORS)	2	-	-	V
			SWITCH MTR LT (WITHOUT MEMORY MIRRORS)	3	WR	D LOCK ACTR DR	LG
				4	R	ENCODER SIG2	B
				5	BG	ENCODER SIG1	BW
				6	SB	RR DN	WWR
				7	V	RR UP	D LOCK ACTUATOR DR
				8	L	RL DN	D LOCK ACTUATOR DR
				9	Y	RL UP	-
				10	LG	IGN	-
				11	WL	COM	-
				12	B	ENCODER SND	-
				13	-	-	-
				14	P	ECODE**	-
				15	BW	D LOCK ACTR DR	-
				16	-	-	-

**H.S.**



Terminal No.	Color of Wire	Signal Name
17	W	DR UP
18	V	BAT
19	R	DR DN

AALIA5590GB

# INTERIOR ROOM LAMP

## < WIRING DIAGRAM >

### INTERIOR ROOM LAMP CONNECTORS

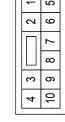
Connector No.	D18
Connector Name	WIRE TO WIRE
Connector Type	·TH40FW-NH
Connector Color	WHITE



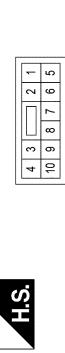
Terminal No.	Signal Name
1	SB TO MAIN HARNESS -(WITHOUT MEMORY MIRRORS)
1	LG TO MAIN HARNESS -(WITH AROUND VIEW MONITOR)
2	SB TO MAIN HARNESS
3	BG TO MAIN HARNESS
4	Y TO MAIN HARNESS
5	BR TO MAIN HARNESS
6	SB TO MAIN HARNESS
7	V TO MAIN HARNESS
8	GR TO MAIN HARNESS
9	L TO MAIN HARNESS
10	W TO MAIN HARNESS
11	B TO MAIN HARNESS
12	RG TO MAIN HARNESS
13	Y TO MAIN HARNESS
14	LG TO MAIN HARNESS
15	L TO MAIN HARNESS
16	V TO MAIN HARNESS
17	LG TO MAIN HARNESS
18	BR TO MAIN HARNESS
19	LG/B TO MAIN HARNESS
20	Y/V TO MAIN HARNESS -(WITHOUT MEMORY MIRRORS)
21	BR TO MAIN HARNESS -(WITHOUT MEMORY MIRRORS)
22	TO MAIN HARNESS (WITH MEMORY MIRRORS)
23	V TO MAIN HARNESS
24	LG TO MAIN HARNESS
25	Y TO MAIN HARNESS
26	L TO MAIN HARNESS
27	Y TO MAIN HARNESS
28	L TO MAIN HARNESS
29	V TO MAIN HARNESS
30	R TO MAIN HARNESS
31	SHIELD TO MAIN HARNESS



Connector No.	D101
Connector Name	WIRE TO WIRE
Connector Type	NS10FW-CS
Connector Color	WHITE



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



Terminal No.	Color of Wire	Signal Name
32	R	TO MAIN HARNESS
33	BR	TO MAIN HARNESS
34	-	TO MAIN HARNESS
35	W	TO MAIN HARNESS
36	L	TO MAIN HARNESS
37	U/R	TO MAIN HARNESS
38	LG	TO MAIN HARNESS
39	SB	TO MAIN HARNESS
40	L	TO MAIN HARNESS

Terminal No.	Color of Wire	Signal Name
4	L	TO MAIN HARNESS
5	U/R	TO MAIN HARNESS
6	L	TO MAIN HARNESS
7	R/G	TO MAIN HARNESS
8	B	TO MAIN HARNESS
9	W	TO MAIN HARNESS
10	Y	TO MAIN HARNESS
11	LG	TO MAIN HARNESS
12	Y/N	TO MAIN HARNESS
13	Y/V	TO MAIN HARNESS
14	W/L	TO MAIN HARNESS
15	V/R	TO MAIN HARNESS
16	U/W	TO MAIN HARNESS
17	-	TO MAIN HARNESS
18	B	HEATED MIRROR - GND
19	W	MEMORY FEED
20	Y	HORN SENSOR
21	BR	VER SENSOR
22	-	-
23	R	LED RH
24	B	GND

Terminal No.	Color of Wire	Signal Name
7	B	VCC
8	R	VIDEO +
9	G/Y	FR TURN RH
10	B	GND
11	LG/B	EC FEED
12	Y/N	EC RETURN
13	L	MEMORY GND
14	LG	TO MAIN HARNESS
15	Y	TO MAIN HARNESS
16	U/W	TO MAIN HARNESS
17	-	-
18	B	HEATED MIRROR - GND
19	W	MEMORY FEED
20	Y	HORN SENSOR
21	BR	VER SENSOR
22	-	-
23	R	LED RH
24	B	GND

Terminal No.	Color of Wire	Signal Name
21	R/G	BAT SAVER OUT
22	L	ROOM LAMP COUNT
23	R	LED RH
24	B	GND

Terminal No.	Color of Wire	Signal Name
21	-	-
22	-	-
23	R	TO MAIN HARNESS
24	R	TO MAIN HARNESS
25	SHIELD	TO MAIN HARNESS
26	LG	TO MAIN HARNESS
27	Y	TO MAIN HARNESS
28	BR	TO MAIN HARNESS
29	LG/B	TO MAIN HARNESS
30	-	TO MAIN HARNESS
31	-	TO MAIN HARNESS
32	-	TO MAIN HARNESS

Terminal No.	Color of Wire	Signal Name
21	-	-
22	-	-
23	R	TO MAIN HARNESS
24	R	TO MAIN HARNESS
25	SHIELD	TO MAIN HARNESS
26	LG	TO MAIN HARNESS
27	Y	TO MAIN HARNESS
28	BR	TO MAIN HARNESS
29	LG/B	TO MAIN HARNESS
30	-	TO MAIN HARNESS
31	-	TO MAIN HARNESS
32	-	TO MAIN HARNESS

Terminal No.	Color of Wire	Signal Name
21	-	-
22	-	-
23	R	DOOR MIRROR RH
24	R	DOOR MIRROR RH
25	W/L	DOOR MIRROR RH
26	Y/W	DOOR MIRROR RH
27	U/W	DOOR MIRROR RH
28	V/W	DOOR MIRROR RH
29	G/B	DOOR MIRROR RH
30	W	DOOR MIRROR RH
31	W	DOOR MIRROR RH
32	W	DOOR MIRROR RH

Terminal No.	Color of Wire	Signal Name
21	-	-
22	-	-
23	R	DOOR MIRROR RH
24	R	DOOR MIRROR RH
25	W/L	DOOR MIRROR RH
26	V/W	DOOR MIRROR RH
27	U/W	DOOR MIRROR RH
28	G/B	DOOR MIRROR RH
29	W	DOOR MIRROR RH
30	W	DOOR MIRROR RH
31	W	DOOR MIRROR RH
32	W	DOOR MIRROR RH

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# INTERIOR ROOM LAMP

< WIRING DIAGRAM >

## INTERIOR ROOM LAMP CONNECTORS

Connector No.	E41	22C	SHIELD	TO CHASSIS HARNESS
Connector Name	WIRE TO WIRE	23C	G/B	TO CHASSIS HARNESS
Connector Type	RK26M/GY-RS20-X6	24C	G/Y	TO CHASSIS HARNESS
Connector Color	GRAY	25C	W	TO CHASSIS HARNESS
		26C	B	TO CHASSIS HARNESS
		27C	L/G	TO CHASSIS HARNESS
		28C	G/W	TO CHASSIS HARNESS
		29C	R/G	TO CHASSIS HARNESS - (WITHOUT BULB CHECK)
		29C	G/R	TO CHASSIS HARNESS - (WITH BULB CHECK)
		30C	R/L	TO CHASSIS HARNESS
		31C	B	TO CHASSIS HARNESS
		32C	R	TO CHASSIS HARNESS
		33C	L/W	TO CHASSIS HARNESS
		34C	L	TO CHASSIS HARNESS
		35C	R/W	TO CHASSIS HARNESS
		36C	L	TO CHASSIS HARNESS
		37C	Y	TO CHASSIS HARNESS
		38C	BR	TO CHASSIS HARNESS
		39C	R	TO CHASSIS HARNESS
		40C	P	TO CHASSIS HARNESS
		41C	V	TO CHASSIS HARNESS
		42C	G/B	TO CHASSIS HARNESS
		43C	Y/B	TO CHASSIS HARNESS
		44C	R	TO CHASSIS HARNESS
		45C	G	TO CHASSIS HARNESS
		46C	BR	TO CHASSIS HARNESS
		47C	B	TO CHASSIS HARNESS
		48C	Y/R	TO CHASSIS HARNESS
		49C	R/Y	TO CHASSIS HARNESS - (WITH CUMMINS 5.0L)
		49C	V	TO CHASSIS HARNESS - (WITH VK65VD)
		50C	B	TO CHASSIS HARNESS - (WITH CUMMINS 5.0L)
		50C	B/Y	TO CHASSIS HARNESS - (WITH VK65VD)
		51C	V	TO CHASSIS HARNESS - (WITH CUMMINS 5.0L)
		51C	B	TO CHASSIS HARNESS - (WITH VK65VD)
		52C	B	TO CHASSIS HARNESS - (WITHOUT F/FV)
		52C	L	TO CHASSIS HARNESS - (WITH F/FV)
		53C	V/W	TO CHASSIS HARNESS
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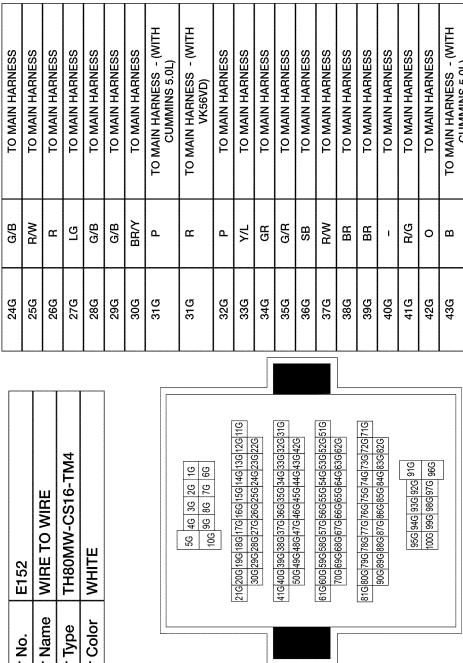
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# INTERIOR ROOM LAMP

< WIRING DIAGRAM >

## INTERIOR ROOM LAMP CONNECTORS

Connector No.	FE152
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4
Connector Color	WHITE
	



24G	G/B	TO MAIN HARNESS	72G	L/W	TO MAIN HARNESS	10	G	TO ROOM LAMP HARNESS
25G	R/W	TO MAIN HARNESS	73G	SHIELD	TO MAIN HARNESS	11	L/W	TO ROOM LAMP HARNESS
26G	R	TO MAIN HARNESS	74G	W	TO MAIN HARNESS	12	L	TO ROOM LAMP HARNESS
27G	L/G	TO MAIN HARNESS	75G	R	TO MAIN HARNESS	13	G/R	TO ROOM LAMP HARNESS
28G	G/B	TO MAIN HARNESS	76G	R/G	TO MAIN HARNESS	14	R	TO ROOM LAMP HARNESS
29G	G/B	TO MAIN HARNESS	77G	G	TO MAIN HARNESS	15	W/B	TO ROOM LAMP HARNESS
30G	B/R/Y	TO MAIN HARNESS	78G	W	TO MAIN HARNESS	16	L/B	TO ROOM LAMP HARNESS
31G	P	TO MAIN HARNESS - (WITH CUMMINS 5.0L)	79G	-	TO MAIN HARNESS	17	-	TO ROOM LAMP HARNESS
31G	R	TO MAIN HARNESS - (WITH CUMMINS 5.0L)	80G	R	TO MAIN HARNESS	18	P	TO ROOM LAMP HARNESS
32G	P	TO MAIN HARNESS	81G	L	TO MAIN HARNESS	19	W/L	TO ROOM LAMP HARNESS
33G	Y/L	TO MAIN HARNESS	82G	R	TO MAIN HARNESS	20	W/B	TO ROOM LAMP HARNESS
34G	G/R	TO MAIN HARNESS	83G	L	TO MAIN HARNESS	21	-	TO ROOM LAMP HARNESS
35G	G/R	TO MAIN HARNESS	84G	L	TO MAIN HARNESS	22	-	TO ROOM LAMP HARNESS
36G	SB	TO MAIN HARNESS	85G	W/B	TO MAIN HARNESS	23	-	TO ROOM LAMP HARNESS
37G	R/W	TO MAIN HARNESS	86G	B/R	TO MAIN HARNESS	24	-	TO ROOM LAMP HARNESS
38G	BR	TO MAIN HARNESS	87G	W/B	TO MAIN HARNESS	25	-	TO ROOM LAMP HARNESS
39G	BR	TO MAIN HARNESS	88G	P	TO MAIN HARNESS	26	-	TO ROOM LAMP HARNESS
40G	-	TO MAIN HARNESS	89G	L	TO MAIN HARNESS	27	-	TO ROOM LAMP HARNESS
41G	R/G	TO MAIN HARNESS	90G	G	TO MAIN HARNESS	28	Y/R	TO ROOM LAMP HARNESS
42G	O	TO MAIN HARNESS	91G	G	TO MAIN HARNESS	29	G/R	TO ROOM LAMP HARNESS
43G	B	TO MAIN HARNESS - (WITH CUMMINS 5.0L)	92G	V/W	TO MAIN HARNESS	30	G/W	TO ROOM LAMP HARNESS
43G	G	TO MAIN HARNESS - (WITH CUMMINS 5.0L)	93G	BR	TO MAIN HARNESS	31	L/G/B	TO ROOM LAMP HARNESS
44G	R/Y	TO MAIN HARNESS	94G	G	TO MAIN HARNESS	32	Y/V	TO ROOM LAMP HARNESS
45G	G	TO MAIN HARNESS	95G	G	TO MAIN HARNESS			
46G	L/G	TO MAIN HARNESS	96G	W	TO MAIN HARNESS			
47G	R	TO MAIN HARNESS	97G	R	TO MAIN HARNESS			
48G	W	TO MAIN HARNESS	98G	W/B	TO MAIN HARNESS			
49G	-	TO MAIN HARNESS	99G	BR	TO MAIN HARNESS			
50G	BR	TO MAIN HARNESS	100G	G/R/W	TO MAIN HARNESS			
51G	R	TO MAIN HARNESS						
52G	L	TO MAIN HARNESS						
53G	W	TO MAIN HARNESS						
54G	W	TO MAIN HARNESS - (WITH CUMMINS 5.0L)						
55G	G	TO MAIN HARNESS						
56G	BR	TO MAIN HARNESS						
57G	R	TO MAIN HARNESS - (WITH CUMMINS 5.0L)						
58G	P	TO MAIN HARNESS - (WITH CUMMINS 5.0L)						
59G	W	TO MAIN HARNESS						
60G	R/G	TO MAIN HARNESS						
61G	B	TO MAIN HARNESS						
62G	W	TO MAIN HARNESS						
63G	Y	TO MAIN HARNESS						
64G	R	TO MAIN HARNESS						
65G	W/L	TO MAIN HARNESS						
66G	B/G	TO MAIN HARNESS						
67G	B/G	TO MAIN HARNESS						
68G	B	TO MAIN HARNESS						
69G	Y	TO MAIN HARNESS						
70G	L	TO MAIN HARNESS						
71G	R/W	TO MAIN HARNESS						
72G	R/G	TO ROOM LAMP HARNESS						

24G	G/B	TO MAIN HARNESS	72G	L/W	TO MAIN HARNESS	10	G	TO ROOM LAMP HARNESS
25G	R/W	TO MAIN HARNESS	73G	SHIELD	TO MAIN HARNESS	11	L/W	TO ROOM LAMP HARNESS
26G	R	TO MAIN HARNESS	74G	W	TO MAIN HARNESS	12	L	TO ROOM LAMP HARNESS
27G	L/G	TO MAIN HARNESS	75G	R	TO MAIN HARNESS	13	G/R	TO ROOM LAMP HARNESS
28G	G/B	TO MAIN HARNESS	76G	R/G	TO MAIN HARNESS	14	R	TO ROOM LAMP HARNESS
29G	G/B	TO MAIN HARNESS	77G	G	TO MAIN HARNESS	15	W/B	TO ROOM LAMP HARNESS
30G	B/R/Y	TO MAIN HARNESS	78G	W	TO MAIN HARNESS	16	L/B	TO ROOM LAMP HARNESS
31G	P	TO MAIN HARNESS - (WITH CUMMINS 5.0L)	79G	-	TO MAIN HARNESS	17	-	TO ROOM LAMP HARNESS
31G	R	TO MAIN HARNESS - (WITH CUMMINS 5.0L)	80G	R	TO MAIN HARNESS	18	P	TO ROOM LAMP HARNESS
32G	P	TO MAIN HARNESS	81G	L	TO MAIN HARNESS	19	W/L	TO ROOM LAMP HARNESS
33G	Y/L	TO MAIN HARNESS	82G	R	TO MAIN HARNESS	20	W/B	TO ROOM LAMP HARNESS
34G	G/R	TO MAIN HARNESS	83G	L	TO MAIN HARNESS	21	-	TO ROOM LAMP HARNESS
35G	SB	TO MAIN HARNESS	84G	W/B	TO MAIN HARNESS	22	-	TO ROOM LAMP HARNESS
36G	R/W	TO MAIN HARNESS	85G	P	TO MAIN HARNESS	23	-	TO ROOM LAMP HARNESS
37G	R/W	TO MAIN HARNESS	86G	G/R	TO MAIN HARNESS	24	-	TO ROOM LAMP HARNESS
38G	BR	TO MAIN HARNESS	87G	W/B	TO MAIN HARNESS	25	-	TO ROOM LAMP HARNESS
39G	BR	TO MAIN HARNESS	88G	P	TO MAIN HARNESS	26	-	TO ROOM LAMP HARNESS
40G	-	TO MAIN HARNESS	89G	L	TO MAIN HARNESS	27	-	TO ROOM LAMP HARNESS
41G	R/G	TO MAIN HARNESS	90G	G	TO MAIN HARNESS	28	Y/R	TO ROOM LAMP HARNESS
42G	O	TO MAIN HARNESS	91G	G	TO MAIN HARNESS	29	G/R	TO ROOM LAMP HARNESS
43G	B	TO MAIN HARNESS - (WITH CUMMINS 5.0L)	92G	V/W	TO MAIN HARNESS	30	G/W	TO ROOM LAMP HARNESS
43G	G	TO MAIN HARNESS - (WITH CUMMINS 5.0L)	93G	BR	TO MAIN HARNESS	31	L/G/B	TO ROOM LAMP HARNESS
44G	R/Y	TO MAIN HARNESS	94G	G	TO MAIN HARNESS	32	Y/V	TO ROOM LAMP HARNESS

Connector No.	M3
Connector Name	FUSE BLOCK (J/B)
Connector Type	CS06FW-M2
Connector Color	WHITE

Terminal No.	Color of Wire	Signal Name	Terminal No.	Color of Wire	Signal Name
1G	G	TO MAIN HARNESS	1M1	1	TO MAIN HARNESS
2G	B/R	TO MAIN HARNESS	1M2	2	TO MAIN HARNESS
3G	W	TO MAIN HARNESS	1M3	3	TO MAIN HARNESS
4G	R/Y	TO MAIN HARNESS	1M4	4	TO MAIN HARNESS
5G	R	TO MAIN HARNESS	1M5	5	TO MAIN HARNESS
6G	P	TO MAIN HARNESS - (WITH CUMMINS 5.0L)	1M6	6	TO MAIN HARNESS
7G	Y	TO MAIN HARNESS	1M7	7	TO MAIN HARNESS
8G	G	TO MAIN HARNESS	1M8	8	TO MAIN HARNESS
9G	BR	TO MAIN HARNESS	1M9	9	TO MAIN HARNESS
10G	W	TO MAIN HARNESS	1M10	10	TO MAIN HARNESS
11G	R/G	TO MAIN HARNESS	1M11	11	TO MAIN HARNESS
12G	W/B	TO MAIN HARNESS	1M12	12	TO MAIN HARNESS
13G	B/R	TO MAIN HARNESS	1M13	13	TO MAIN HARNESS
14G	Y/B	TO MAIN HARNESS	1M14	14	TO MAIN HARNESS
15G	G/W	TO MAIN HARNESS	1M15	15	TO MAIN HARNESS
16G	G	TO MAIN HARNESS	1M16	16	TO MAIN HARNESS
17G	G/Y	TO MAIN HARNESS	1M17	17	TO MAIN HARNESS
18G	G/R	TO MAIN HARNESS	1M18	18	TO MAIN HARNESS
19G	Y/V	TO MAIN HARNESS	1M19	19	TO MAIN HARNESS
20G	G/Y	TO MAIN HARNESS	1M20	20	TO MAIN HARNESS
21G	B/Y	TO MAIN HARNESS	1M21	21	TO MAIN HARNESS
22G	G/R	TO MAIN HARNESS	1M22	22	TO MAIN HARNESS
23G	Y/R	TO MAIN HARNESS	1M23	23	TO MAIN HARNESS

Terminal No.	Color of Wire	Signal Name	Terminal No.	Color of Wire	Signal Name
1G	G	TO MAIN HARNESS	1M1	1	TO MAIN HARNESS
2G	B/R	TO MAIN HARNESS	1M2	2	TO MAIN HARNESS
3G	W	TO MAIN HARNESS	1M3	3	TO MAIN HARNESS
4G	R/Y	TO MAIN HARNESS	1M4	4	TO MAIN HARNESS
5G	R	TO MAIN HARNESS	1M5	5	TO MAIN HARNESS
6G	P	TO MAIN HARNESS - (WITH CUMMINS 5.0L)	1M6	6	TO MAIN HARNESS
7G	Y	TO MAIN HARNESS	1M7	7	TO MAIN HARNESS
8G	G	TO MAIN HARNESS	1M8	8	TO MAIN HARNESS
9G	BR	TO MAIN HARNESS	1M9	9	TO MAIN HARNESS
10G	W	TO MAIN HARNESS	1M10	10	TO MAIN HARNESS
11G	R/G	TO MAIN HARNESS	1M11	11	TO MAIN HARNESS
12G	W/B	TO MAIN HARNESS	1M12	12	TO MAIN HARNESS
13G	B/R	TO MAIN HARNESS	1M13	13	TO MAIN HARNESS
14G	Y/B	TO MAIN HARNESS	1M14	14	TO MAIN HARNESS
15G	G/W	TO MAIN HARNESS	1M15	15	TO MAIN HARNESS
16G	G	TO MAIN HARNESS	1M16	16	TO MAIN HARNESS
17G	G/Y	TO MAIN HARNESS	1M17	17	TO MAIN HARNESS
18G	G/R	TO MAIN HARNESS	1M18	18	TO MAIN HARNESS
19G	Y/V	TO MAIN HARNESS	1M19	19	TO MAIN HARNESS
20G	G/Y	TO MAIN HARNESS	1M20	20	TO MAIN HARNESS
21G	B/Y	TO MAIN HARNESS	1M21	21	TO MAIN HARNESS
22G	G/R	TO MAIN HARNESS	1M22	22	TO MAIN HARNESS
23G	Y/R	TO MAIN HARNESS	1M23	23	TO MAIN HARNESS

Terminal No.	Color of Wire	Signal Name	Terminal No.	Color of Wire	Signal Name
1G	G	TO MAIN HARNESS	1M1	1	TO MAIN HARNESS
2G	B/R	TO MAIN HARNESS	1M2	2	TO MAIN HARNESS
3G	W	TO MAIN HARNESS	1M3	3	TO MAIN HARNESS
4G	R/Y	TO MAIN HARNESS	1M4	4	TO MAIN HARNESS
5G	R	TO MAIN HARNESS	1M5	5	TO MAIN HARNESS
6G	P	TO MAIN HARNESS - (WITH CUMMINS 5.0L)	1M6	6	TO MAIN HARNESS
7G	Y	TO MAIN HARNESS	1M7	7	TO MAIN HARNESS
8G	G	TO MAIN HARNESS	1M8	8	TO MAIN HARNESS
9G	BR	TO MAIN HARNESS	1M9	9	TO MAIN HARNESS
10G	W	TO MAIN HARNESS	1M10	10	TO MAIN HARNESS
11G	R/G	TO MAIN HARNESS	1M11	11	TO MAIN HARNESS
12G	W/B	TO MAIN HARNESS	1M12	12	TO MAIN HARNESS
13G	B/R	TO MAIN HARNESS	1M13	13	TO MAIN HARNESS
14G	Y/B	TO MAIN HARNESS	1M14	14	TO MAIN HARNESS
15G	G/W	TO MAIN HARNESS	1M15	15	TO MAIN HARNESS
16G	G	TO MAIN HARNESS	1M16	16	TO MAIN HARNESS
17G	G/Y	TO MAIN HARNESS	1M17	17	TO MAIN HARNESS
18G	G/R	TO MAIN HARNESS	1M18	18	TO MAIN HARNESS
19G	Y/V	TO MAIN HARNESS	1M19	19	TO MAIN HARNESS
20G	G/Y	TO MAIN HARNESS	1M20	20	TO MAIN HARNESS
21G	B/Y	TO MAIN HARNESS	1M21	21	TO MAIN HARNESS
22G	G/R	TO MAIN HARNESS	1M22	22	TO MAIN HARNESS
23G	Y/R	TO MAIN HARNESS	1M23	23	TO MAIN HARNESS

Terminal No.	Color of Wire	Signal Name	Terminal No.	Color of Wire	Signal Name



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# INTERIOR ROOM LAMP

## < WIRING DIAGRAM >

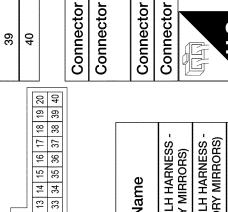
### INTERIOR ROOM LAMP CONNECTORS

Connector No.	M4
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS116FW-CS
Connector Color	WHITE
	

Terminal No.	Color of Wire	Signal Name
1P	R	IGNITION
2P	Y	IGNITION RELAY OUT
3P	G	IGNITION
4P	B/W	RR DEF RLY
5P	O	RR DEF RLY OUT
6P	G	IGNITION
8P	W	IGNITION
9P	L	BATTERY
10P	-	-
11P	-	-
12P	-	-
13P	R	BATTERY
14P	Y	BATTERY
15P	Y/G	BATTERY
16P	W	BLOWER FAN RELAY OUT



Connector No.	M14
Connector Name	WIRE TO WIRE
Connector Type	TH40MW-NH
Connector Color	WHITE
	



8	B	TO FRONT DOOR LH HARNESS	23	G	TO FRONT DOOR LH HARNESS - (WITHOUT MEMORY MIRRORS)	19	-	-	SHIFT P
9	L/W	TO FRONT DOOR LH HARNESS	24	BR	TO FRONT DOOR LH HARNESS	20	R	FRW	STEP LAMP CONT
10	UR	TO FRONT DOOR LH HARNESS	25	Y	TO FRONT DOOR LH HARNESS	21	-	-	-
11	L/W	TO FRONT DOOR LH HARNESS	26	LG	TO FRONT DOOR LH HARNESS	22	-	-	-
12	L	TO FRONT DOOR LH HARNESS	27	W	TO FRONT DOOR LH HARNESS	23	Y	AIRCON SW	-
13	Y	TO FRONT DOOR LH HARNESS	28	L	TO FRONT DOOR LH HARNESS	24	-	-	-
14	SB	TO FRONT DOOR LH HARNESS	29	P	TO FRONT DOOR LH HARNESS	25	W	Brake SW FUSE	-
15	V	TO FRONT DOOR LH HARNESS	30	L	TO FRONT DOOR LH HARNESS	26	L	SHORT IN PIN INPUT	-
16	LG	TO FRONT DOOR LH HARNESS	31	R	TO FRONT DOOR LH HARNESS	27	R/G	Brake SW LAMP	-
17P	6P	3P 2P 1P	32	R	TO FRONT DOOR LH HARNESS	28	-	-	-
16P	15P	14P 13P 12P 11P 10P 9P 8P	33	O	TO FRONT DOOR LH HARNESS	29	W	BLOWER FAN SW	-



Connector No.	M18
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FG-NH
Connector Color	GREEN



Terminal No.	Color of Wire	Signal Name	Terminal No.	Color of Wire	Signal Name
1	LG	TO FRONT DOOR LH HARNESS - (WITHOUT MEMORY MIRRORS)	34	W	TO FRONT DOOR LH HARNESS
1	SB	TO FRONT DOOR LH HARNESS - (WITHOUT MEMORY MIRRORS)	35	LG	TO FRONT DOOR LH HARNESS
2	SB	TO FRONT DOOR LH HARNESS	39	P	TO FRONT DOOR LH HARNESS
3	B	TO FRONT DOOR LH HARNESS	40	R	TO FRONT DOOR LH HARNESS
4	Y	TO FRONT DOOR LH HARNESS	37	-	-
5	V	TO FRONT DOOR LH HARNESS	38	-	-
6	SB	TO FRONT DOOR LH HARNESS	40	B/R	SHIFT N/P
7	Y	TO FRONT DOOR LH HARNESS	41	-	-
8	GR	TO FRONT DOOR LH HARNESS			



Terminal No.	Color of Wire	Signal Name
1	LG/B	TO FRONT DOOR LH HARNESS
20	Y/Y	TO FRONT DOOR LH HARNESS
21	O	TO FRONT DOOR LH HARNESS - (WITH MEMORY MIRRORS)
21	BR	TO FRONT DOOR LH HARNESS - (WITHOUT MEMORY MIRRORS)
22	BG	TO FRONT DOOR LH HARNESS
23	L	TO FRONT DOOR LH HARNESS - (WITH MEMORY MIRRORS)
7	V	TO FRONT DOOR LH HARNESS

AALIA5594GB

# INTERIOR ROOM LAMP

< WIRING DIAGRAM >

## INTERIOR ROOM LAMP CONNECTORS

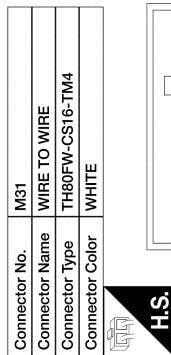
Terminal No.	Color of Wire	Signal Name	
41	Y/L	TRAILER LIGHT CHECK RELAY OUT	
42	R/Y	CARGO LAMP OUT	
43	-	-	
44	-	-	
45	-	-	
46	-	-	
47	-	-	
48	R	HIGH SIDE START SW LED	
49	-	-	
50	-	-	
51	-	-	
52	W	AUDIO DONGLE	
53	-	-	
54	WL	PW LAMP	
55	W/R	L/R SENSOR X-LINE	
56	-	-	
57	-	-	
58	-	-	
59	P	CAN L	
60	L	CAN-H	
61	O	REAR DEFOGGER RELAY OUT	
62	W	STARTER RELAY OUT	
63	-	-	
64	P	BUZZER OUT	
65	-	-	
66	W	BLOWER FAN RELAY OUT	
67	G	IGN ELEC RELAY OUT 2	
68	L	MR OUTPUT	
69	R/B	AT DEVICE OUT	
70	P	IGN USM OUT 1	
71	O	DR REQUEST SW	
72	G	AS REQUEST SW	
73	-	-	
74	-	-	
75	L/W	COMBI SW OUT 5	
76	P	COMBI SW OUT 4	
77	L	COMBI SW OUT 3	

AALIA5595GB

# INTERIOR ROOM LAMP

## < WIRING DIAGRAM >

### INTERIOR ROOM LAMP CONNECTORS



27G	LG	TO ENGINE ROOM HARNESS
28G	G/B	TO ENGINE ROOM HARNESS
29G	G/B	TO ENGINE ROOM HARNESS
30G	BR/Y	TO ENGINE ROOM HARNESS
31G	R	TO ENGINE ROOM HARNESS
32G	R	TO ENGINE ROOM HARNESS
33G	Y/L	TO ENGINE ROOM HARNESS
34G	GR	TO ENGINE ROOM HARNESS
35G	G/R	TO ENGINE ROOM HARNESS
36G	SB	TO ENGINE ROOM HARNESS
37G	R/W	TO ENGINE ROOM HARNESS
38G	BR	TO ENGINE ROOM HARNESS
39G	BR	TO ENGINE ROOM HARNESS
40G	-	TO ENGINE ROOM HARNESS
41G	R/G	TO ENGINE ROOM HARNESS
42G	O	TO ENGINE ROOM HARNESS
43G	G	TO ENGINE ROOM HARNESS
44G	R/Y	TO ENGINE ROOM HARNESS
45G	G	TO ENGINE ROOM HARNESS
46G	LG	TO ENGINE ROOM HARNESS
47G	R	TO ENGINE ROOM HARNESS
48G	W	TO ENGINE ROOM HARNESS
50G	BR	TO ENGINE ROOM HARNESS
51G	R	TO ENGINE ROOM HARNESS
52G	L	TO ENGINE ROOM HARNESS
53G	W	TO ENGINE ROOM HARNESS
54G	W	TO ENGINE ROOM HARNESS
55G	G	TO ENGINE ROOM HARNESS
56G	W	TO ENGINE ROOM HARNESS
57G	Y	TO ENGINE ROOM HARNESS
58G	B/G	TO ENGINE ROOM HARNESS
59G	B/G	TO ENGINE ROOM HARNESS
60G	B/G	TO ENGINE ROOM HARNESS
61G	O	TO ENGINE ROOM HARNESS
62G	W	TO ENGINE ROOM HARNESS
63G	O	TO ENGINE ROOM HARNESS
64G	W/L	TO ENGINE ROOM HARNESS
65G	W/R	TO ENGINE ROOM HARNESS
66G	B/G	TO ENGINE ROOM HARNESS
67G	O	TO ENGINE ROOM HARNESS
68G	B	TO ENGINE ROOM HARNESS
69G	Y	TO ENGINE ROOM HARNESS
70G	L	TO ENGINE ROOM HARNESS
71G	R/W	TO ENGINE ROOM HARNESS
72G	L/W	TO ENGINE ROOM HARNESS
73G	SHIELD	TO ENGINE ROOM HARNESS
74G	W	TO ENGINE ROOM HARNESS
75G	R	TO ENGINE ROOM HARNESS
76G	R/G	TO ENGINE ROOM HARNESS
77G	B/G	TO ENGINE ROOM HARNESS
78G	P	TO ENGINE ROOM HARNESS
79G	-	TO ENGINE ROOM HARNESS

Terminal No.	Color of Wire	Signal Name
1G	G	TO ENGINE ROOM HARNESS
2G	B/R	TO ENGINE ROOM HARNESS
3G	W	TO ENGINE ROOM HARNESS
4G	B/R/W	TO ENGINE ROOM HARNESS
5G	-	TO ENGINE ROOM HARNESS
6G	R/W	TO ENGINE ROOM HARNESS
7G	Y	TO ENGINE ROOM HARNESS
8G	G	TO ENGINE ROOM HARNESS
9G	R	TO ENGINE ROOM HARNESS
10G	W	TO ENGINE ROOM HARNESS
11G	R/G	TO ENGINE ROOM HARNESS
12G	W/B	TO ENGINE ROOM HARNESS
13G	BR	TO ENGINE ROOM HARNESS
14G	Y/B	TO ENGINE ROOM HARNESS
15G	G/W	TO ENGINE ROOM HARNESS
16G	G	TO ENGINE ROOM HARNESS
17G	O	TO ENGINE ROOM HARNESS
18G	G/Y	TO ENGINE ROOM HARNESS
19G	Y/V	TO ENGINE ROOM HARNESS
20G	G/Y	TO ENGINE ROOM HARNESS
21G	B/Y	TO ENGINE ROOM HARNESS
22G	G/R	TO ENGINE ROOM HARNESS
23G	Y/R	TO ENGINE ROOM HARNESS
24G	G/B	TO ENGINE ROOM HARNESS
25G	R/W	TO ENGINE ROOM HARNESS
26G	R	TO ENGINE ROOM HARNESS

AALIA5596GB

# INTERIOR ROOM LAMP

## < WIRING DIAGRAM >

### INTERIOR ROOM LAMP CONNECTORS

**Legend:**

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

**Table: Terminal to Signal Name Mapping**

Terminal No.	Color of Wire	Signal Name
1A	W	TO BODY NO. 2 HARNESS
2A	LG	TO BODY NO. 2 HARNESS
3A	V	TO BODY NO. 2 HARNESS
4A	SB	TO BODY NO. 2 HARNESS
5A	-	TO BODY NO. 2 HARNESS
6A	BG	TO BODY NO. 2 HARNESS - (WITH CLIMATE CONTROLLED SEAT)
6A	LG	TO BODY NO. 2 HARNESS - (WITHOUT CLIMATE CONTROLLED SEAT)
7A	W	TO BODY NO. 2 HARNESS
8A	BR	TO BODY NO. 2 HARNESS
9A	G	TO BODY NO. 2 HARNESS
10A	LG	TO BODY NO. 2 HARNESS
11A	R	TO BODY NO. 2 HARNESS
12A	BR	TO BODY NO. 2 HARNESS
13A	G	TO BODY NO. 2 HARNESS
14A	RG	TO BODY NO. 2 HARNESS
15A	O	TO BODY NO. 2 HARNESS
16A	O/L	TO BODY NO. 2 HARNESS
17A	L	TO BODY NO. 2 HARNESS
18A	Y	TO BODY NO. 2 HARNESS
19A	B/W	TO BODY NO. 2 HARNESS
20A	R	TO BODY NO. 2 HARNESS
21A	BG	TO BODY NO. 2 HARNESS

**Table: Terminal to Body Harness Mapping**

Terminal	Color of Wire	Signal Name	Terminal	Color of Wire	Signal Name
22A	G	TO BODY NO. 2 HARNESS	75A	SHIELD	TO BODY NO. 2 HARNESS
23A	Y	TO BODY NO. 2 HARNESS	76A	R	TO BODY NO. 2 HARNESS
24A	L	TO BODY NO. 2 HARNESS	77A	L	TO BODY NO. 2 HARNESS
25A	-	TO BODY NO. 2 HARNESS	78A	SHIELD	TO BODY NO. 2 HARNESS
26A	GR	TO BODY NO. 2 HARNESS	79A	GR	TO BODY NO. 2 HARNESS
27A	LG	TO BODY NO. 2 HARNESS	80A	V	TO BODY NO. 2 HARNESS
28A	LG	TO BODY NO. 2 HARNESS	81A	R	TO BODY NO. 2 HARNESS
29A	GR	TO BODY NO. 2 HARNESS	82A	SHIELD	TO BODY NO. 2 HARNESS
30A	BR	TO BODY NO. 2 HARNESS	83A	R	TO BODY NO. 2 HARNESS
31A	W/R	TO BODY NO. 2 HARNESS	84A	O	TO BODY NO. 2 HARNESS
32A	GR	TO BODY NO. 2 HARNESS	85A	SHIELD	TO BODY NO. 2 HARNESS
33A	-	TO BODY NO. 2 HARNESS	86A	W	TO BODY NO. 2 HARNESS
34A	SHIELD	TO BODY NO. 2 HARNESS	87A	B	TO BODY NO. 2 HARNESS
35A	P	TO BODY NO. 2 HARNESS	88A	W	TO BODY NO. 2 HARNESS
36A	B	TO BODY NO. 2 HARNESS	89A	SHIELD	TO BODY NO. 2 HARNESS
37A	-	TO BODY NO. 2 HARNESS	90A	G	TO BODY NO. 2 HARNESS
38A	R/B	TO BODY NO. 2 HARNESS	91A	WL	TO BODY NO. 2 HARNESS
39A	G/O	TO BODY NO. 2 HARNESS	92A	BR	TO BODY NO. 2 HARNESS
40A	V	TO BODY NO. 2 HARNESS	93A	L/Y	TO BODY NO. 2 HARNESS
41A	SHIELD	TO BODY NO. 2 HARNESS	94A	R/L	TO BODY NO. 2 HARNESS
42A	SHIELD	TO BODY NO. 2 HARNESS	95A	BR	TO BODY NO. 2 HARNESS
43A	R	TO BODY NO. 2 HARNESS	96A	R	TO BODY NO. 2 HARNESS
44A	G	TO BODY NO. 2 HARNESS	97A	LG	TO BODY NO. 2 HARNESS
45A	-	TO BODY NO. 2 HARNESS	98A	B/V	TO BODY NO. 2 HARNESS
46A	-	TO BODY NO. 2 HARNESS	99A	O/L	TO BODY NO. 2 HARNESS
47A	Y	TO BODY NO. 2 HARNESS	100A	B/W/N	TO BODY NO. 2 HARNESS

**Note:** TO BODY NO. 2 HARNESS - (WITHOUT CLIMATE CONTROLLED SEAT)

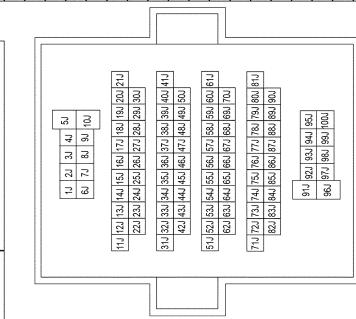
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# INTERIOR ROOM LAMP

## < WIRING DIAGRAM >

### INTERIOR ROOM LAMP CONNECTORS

Connector No.	M40	WIRE TO WIRE
Connector Name	TH80FW-CS16-TM4	
Connector Type	WHITE	
Connector Color		



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

Terminal No.	Color of Wire	Signal Name	Terminal No.	Color of Wire	Signal Name
1	G/R	TO BODY HARNESS	1	G	TO BODY HARNESS
2	L/G	TO BODY HARNESS	2	L	TO BODY HARNESS
3	R	TO BODY HARNESS	3	L/B	TO BODY HARNESS
4	BG	TO BODY HARNESS	4	SB	TO BODY HARNESS
5	Y	TO BODY HARNESS	5	B	TO BODY HARNESS
6	SB	TO BODY HARNESS	6	LG	TO BODY HARNESS
7	P	TO BODY HARNESS	7	L	TO BODY HARNESS
8	G/R	TO BODY HARNESS	8	G	TO BODY HARNESS
9	SB	TO BODY HARNESS	9	Y/R	TO BODY HARNESS
10	Y	TO BODY HARNESS	10	Y/R	TO BODY HARNESS
11	SB	TO BODY HARNESS	12	Y/R	TO BODY HARNESS
13	L	TO BODY HARNESS	14	Y/R	TO BODY HARNESS
15	BR	TO BODY HARNESS	16	Y/R	TO BODY HARNESS
17	W	TO BODY HARNESS	18	Y/R	TO BODY HARNESS
19	BR	TO BODY HARNESS	20	Y/R	TO BODY HARNESS
21	W	TO BODY HARNESS	22	Y/R	TO BODY HARNESS
23	BR	TO BODY HARNESS	24	Y/R	TO BODY HARNESS
25	W	TO BODY HARNESS	26	Y/R	TO BODY HARNESS
27	P	TO BODY HARNESS	28	Y/R	TO BODY HARNESS
29	SB	TO BODY HARNESS	30	Y/R	TO BODY HARNESS
31	Y	TO BODY HARNESS	32	Y/R	TO BODY HARNESS
33	SB	TO BODY HARNESS	34	Y/R	TO BODY HARNESS
35	P	TO BODY HARNESS	36	Y/R	TO BODY HARNESS
37	SB	TO BODY HARNESS	38	Y/R	TO BODY HARNESS
39	Y	TO BODY HARNESS	40	Y/R	TO BODY HARNESS
41	SB	TO BODY HARNESS	42	Y/R	TO BODY HARNESS
43	W	TO BODY HARNESS	44	BR	TO BODY HARNESS
45	BR	TO BODY HARNESS	46	Y/R	TO BODY HARNESS
47	O	TO BODY HARNESS	48	Y/R	TO BODY HARNESS
49	BR	TO BODY HARNESS	50	Y/R	TO BODY HARNESS
51	W	TO BODY HARNESS	52	Y/R	TO BODY HARNESS
53	R	TO BODY HARNESS	54	Y/R	TO BODY HARNESS
55	L	TO BODY HARNESS	56	Y/R	TO BODY HARNESS
57	R	TO BODY HARNESS	58	Y/R	TO BODY HARNESS
59	W	TO BODY HARNESS	60	Y/R	TO BODY HARNESS
61	Y/R	TO BODY HARNESS	62	Y/R	TO BODY HARNESS
63	Y/R	TO BODY HARNESS	64	Y/R	TO BODY HARNESS
65	Y/R	TO BODY HARNESS	66	Y/R	TO BODY HARNESS
67	Y/R	TO BODY HARNESS	68	Y/R	TO BODY HARNESS
69	Y/R	TO BODY HARNESS	70	Y/R	TO BODY HARNESS
71	Y/R	TO BODY HARNESS	72	Y/R	TO BODY HARNESS
73	Y/R	TO BODY HARNESS	74	Y/R	TO BODY HARNESS
75	Y/R	TO BODY HARNESS	76	Y/R	TO BODY HARNESS
77	Y/R	TO BODY HARNESS	78	Y/R	TO BODY HARNESS
79	Y/R	TO BODY HARNESS	80	Y/R	TO BODY HARNESS

Terminal No.	Color of Wire	Signal Name	Terminal No.	Color of Wire	Signal Name
1	G/O	TO BODY HARNESS	81	Y	SHIELD
2	SB	TO BODY HARNESS	82	LG	TO BODY HARNESS
3	L/G	TO BODY HARNESS	83	Y	TO BODY HARNESS
4	R	TO BODY HARNESS	84	W	TO BODY HARNESS
5	BG	TO BODY HARNESS	85	G	TO BODY HARNESS
6	Y	TO BODY HARNESS	86	W	TO BODY HARNESS
7	SB	TO BODY HARNESS	87	Y	TO BODY HARNESS
8	P	TO BODY HARNESS	88	LG	TO BODY HARNESS
9	G/R	TO BODY HARNESS	89	Y	TO BODY HARNESS
10	LG	TO BODY HARNESS	90	Y	TO BODY HARNESS
11	SB	TO BODY HARNESS	91	Y/R	TO BODY HARNESS
12	SB	TO BODY HARNESS	92	SB	TO BODY HARNESS
13	Y	TO BODY HARNESS	93	B	TO BODY HARNESS
14	SB	TO BODY HARNESS	94	LG	TO BODY HARNESS
15	LG	TO BODY HARNESS	95	Y	TO BODY HARNESS
16	SB	TO BODY HARNESS	96	Y	TO BODY HARNESS
17	Y	TO BODY HARNESS	97	Y/R	TO BODY HARNESS
18	SB	TO BODY HARNESS	98	Y/R	TO BODY HARNESS
19	P	TO BODY HARNESS	99	W	TO BODY HARNESS
20	LG	TO BODY HARNESS	100	Y	TO BODY HARNESS
21	Y	TO BODY HARNESS	101	Y	TO BODY HARNESS
22	SB	TO BODY HARNESS	102	Y/R	TO BODY HARNESS
23	SB	TO BODY HARNESS	103	Y/R	TO BODY HARNESS
24	Y	TO BODY HARNESS	104	Y/R	TO BODY HARNESS
25	SB	TO BODY HARNESS	105	Y/R	TO BODY HARNESS
26	P	TO BODY HARNESS	106	Y/R	TO BODY HARNESS
27	SB	TO BODY HARNESS	107	Y/R	TO BODY HARNESS
28	Y	TO BODY HARNESS	108	Y/R	TO BODY HARNESS
29	SB	TO BODY HARNESS	109	Y/R	TO BODY HARNESS
30	Y	TO BODY HARNESS	110	Y/R	TO BODY HARNESS
31	SB	TO BODY HARNESS	111	Y/R	TO BODY HARNESS
32	Y	TO BODY HARNESS	112	Y/R	TO BODY HARNESS
33	SB	TO BODY HARNESS	113	Y/R	TO BODY HARNESS
34	Y	TO BODY HARNESS	114	Y/R	TO BODY HARNESS
35	SB	TO BODY HARNESS	115	Y/R	TO BODY HARNESS
36	Y	TO BODY HARNESS	116	Y/R	TO BODY HARNESS
37	SB	TO BODY HARNESS	117	Y/R	TO BODY HARNESS
38	Y	TO BODY HARNESS	118	Y/R	TO BODY HARNESS
39	SB	TO BODY HARNESS	119	Y/R	TO BODY HARNESS
40	Y	TO BODY HARNESS	120	Y/R	TO BODY HARNESS
41	SB	TO BODY HARNESS	121	Y/R	TO BODY HARNESS
42	Y	TO BODY HARNESS	122	Y/R	TO BODY HARNESS
43	SB	TO BODY HARNESS	123	Y/R	TO BODY HARNESS
44	Y	TO BODY HARNESS	124	Y/R	TO BODY HARNESS
45	SB	TO BODY HARNESS	125	Y/R	TO BODY HARNESS
46	Y	TO BODY HARNESS	126	Y/R	TO BODY HARNESS
47	SB	TO BODY HARNESS	127	Y/R	TO BODY HARNESS
48	Y	TO BODY HARNESS	128	Y/R	TO BODY HARNESS
49	SB	TO BODY HARNESS	129	Y/R	TO BODY HARNESS
50	Y	TO BODY HARNESS	130	Y/R	TO BODY HARNESS
51	SB	TO BODY HARNESS	131	Y/R	TO BODY HARNESS
52	Y	TO BODY HARNESS	132	Y/R	TO BODY HARNESS
53	SB	TO BODY HARNESS	133	Y/R	TO BODY HARNESS
54	Y	TO BODY HARNESS	134	Y/R	TO BODY HARNESS
55	SB	TO BODY HARNESS	135	Y/R	TO BODY HARNESS
56	Y	TO BODY HARNESS	136	Y/R	TO BODY HARNESS
57	SB	TO BODY HARNESS	137	Y/R	TO BODY HARNESS
58	Y	TO BODY HARNESS	138	Y/R	TO BODY HARNESS
59	SB	TO BODY HARNESS	139	Y/R	TO BODY HARNESS
60	Y	TO BODY HARNESS	140	Y/R	TO BODY HARNESS
61	SB	TO BODY HARNESS	141	Y/R	TO BODY HARNESS
62	Y	TO BODY HARNESS	142	Y/R	TO BODY HARNESS
63	SB	TO BODY HARNESS	143	Y/R	TO BODY HARNESS
64	Y	TO BODY HARNESS	144	Y/R	TO BODY HARNESS
65	SB	TO BODY HARNESS	145	Y/R	TO BODY HARNESS
66	Y	TO BODY HARNESS	146	Y/R	TO BODY HARNESS
67	SB	TO BODY HARNESS	147	Y/R	TO BODY HARNESS
68	Y	TO BODY HARNESS	148	Y/R	TO BODY HARNESS
69	SB	TO BODY HARNESS	149	Y/R	TO BODY HARNESS
70	Y	TO BODY HARNESS	150	Y/R	TO BODY HARNESS
71	SB	TO BODY HARNESS	151	Y/R	TO BODY HARNESS
72	Y	TO BODY HARNESS	152	Y/R	TO BODY HARNESS
73	SB	TO BODY HARNESS	153	Y/R	TO BODY HARNESS
74	Y	TO BODY HARNESS	154	Y/R	TO BODY HARNESS
75	SB	TO BODY HARNESS	155	Y/R	TO BODY HARNESS
76	Y	TO BODY HARNESS	156	Y/R	TO BODY HARNESS
77	SB	TO BODY HARNESS	157	Y/R	TO BODY HARNESS
78	Y	TO BODY HARNESS	158	Y/R	TO BODY HARNESS
79	SB	TO BODY HARNESS	159	Y/R	TO BODY HARNESS
80	Y	TO BODY HARNESS	160	Y/R	TO BODY HARNESS

# INTERIOR ROOM LAMP

< WIRING DIAGRAM >

## INTERIOR ROOM LAMP CONNECTORS

Connector No.	M74
Connector Name	WIRE TO WIRE
Connector Type	·TH32NW-NH
Connector Color	WHITE

Terminal No.	Signal Name
1	BR
2	V
3	BR
4	L
5	L/R
6	L
7	RG
8	B
9	W
10	Y
11	LG
12	L
13	YV
14	WL
15	VR
16	L/W
17	SB
18	Y
19	G
20	V/W
21	-
22	-
23	O
24	R
25	SHIELD
26	W
27	BG
28	G
29	LG/B
30	-
31	-
32	-

Terminal No.	Signal Name
1	TO FRONT DOOR RH HARNESS
2	TO FRONT DOOR RH HARNESS
3	TO FRONT DOOR RH HARNESS
4	TO FRONT DOOR RH HARNESS
5	W/B
6	Y
7	W/B
8	LB
9	G/Y
10	-
11	TO FRONT DOOR RH HARNESS
12	TO FRONT DOOR RH HARNESS
13	TO FRONT DOOR RH HARNESS
14	W/L
15	TO FRONT DOOR RH HARNESS
16	SB
17	Y
18	TO FRONT DOOR RH HARNESS
19	G
20	TO FRONT DOOR RH HARNESS - (WITHOUT AUTOMATIC DRIVE POSITIONER)
21	-
22	-
23	TO FRONT DOOR RH HARNESS
24	TO FRONT DOOR RH HARNESS
25	TO FRONT DOOR RH HARNESS
26	TO FRONT DOOR RH HARNESS
27	TO FRONT DOOR RH HARNESS
28	TO FRONT DOOR RH HARNESS
29	TO FRONT DOOR RH HARNESS
30	-
31	-
32	-

Connector No.	M75
Connector Name	WIRE TO WIRE
Connector Type	NS10MW-CS
Connector Color	WHITE

Terminal No.	Signal Name
1	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
2	17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32
3	3 4
4	5 6 7 8 9 10
5	IMMO START BUTTON ANT B
6	IMMO START BUTTON ANT A
7	ROOM ANT 1 B
8	ROOM ANT 1 A
9	ROOM ANT 2 B
10	ROOM ANT 2 A

Connector No.	M66
Connector Name	REMOTE KEYLESS ENTRY RECEIVER
Connector Type	AAC04FB
Connector Color	BLACK

Terminal No.	Signal Name
1	BCM (BODY CONTROL MODULE)
2	FEA09FW-FHA6-SA
3	WHITE
4	-

Connector No.	M92
Connector Name	FRONT FOOT LAMP RH
Connector Type	WBS-1006N

Terminal No.	Signal Name
1	BG
2	R
3	GND
4	-

Connector No.	M92
Connector Name	FRONT FOOT LAMP RH
Connector Type	WBS-1006N

Terminal No.	Signal Name
1	BROWN
2	-

Connector No.	M80
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH24FB-NH
Connector Color	BLACK

Terminal No.	Signal Name
1	116 151 141 131 121 111 110 098 107 106 105
2	128 217 125 24 123 22 121 120 119 111 117
3	131 161 151 141 131 121 111 110 098 107 106 105
4	132 162 152 142 132 122 112 111 110 098 107 106 105
5	133 163 153 143 133 123 113 112 111 099 108 107 106
6	134 164 154 144 134 124 114 113 112 099 108 107 106
7	135 165 155 145 135 125 115 114 113 099 108 107 106
8	136 166 156 146 136 126 116 115 114 099 108 107 106
9	137 167 157 147 137 127 117 116 115 099 108 107 106
10	138 168 158 148 138 128 118 117 116 099 108 107 106
11	139 169 159 149 139 129 119 118 117 099 108 107 106
12	140 170 160 150 140 130 120 110 109 099 108 107 106
13	141 171 161 151 141 131 121 111 110 098 107 106 105
14	142 172 162 152 142 132 122 112 111 098 107 106 105
15	143 173 163 153 143 133 123 113 112 098 107 106 105

Connector No.	M92
Connector Name	FRONT DOOR RH HARNESS
Connector Type	WBS-1006N
Connector Color	BLACK

Terminal No.	Signal Name
1	LG
2	R/G
3	Y
4	W

Connector No.	M92
Connector Name	FRONT DOOR RH HARNESS
Connector Type	WBS-1006N
Connector Color	BLACK

Terminal No.	Signal Name
1	LG
2	R/G
3	Y
4	W

# INTERIOR ROOM LAMP

< WIRING DIAGRAM >

## INTERIOR ROOM LAMP CONNECTORS

Connector No.	M93
Connector Name	FRONT FOOT LAMP LH
Connector Type	WBS-1006N
Connector Color	BROWN



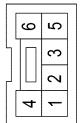
Connector No.	M150
Connector Name	CARGO LAMP RELAY
Connector Type	MS02FL-M2-LC
Connector Color	BLUE



Connector No.	M149
Connector Name	CARGO LAMP SWITCH
Connector Type	TK06FW-1V
Connector Color	WHITE



Terminal No.	P/L	CARGO LAMP SW
	GR	ILLUMINATION -
3	B	GND
4	L	ILLUMINATION +
5	-	-
6	-	-



Terminal No.	1	R/G	WIRE TO WIRE
	2	G	BATTERY
3	L/G	ACCESSORY	
5	G	BATTERY	



Terminal No.	1	R/G	CARGO BED LAMP
	2	G	BATTERY
3	L/G	ACCESSORY	
5	G	BATTERY	
32	Y/R	TO MAIN HARNESS	



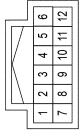
Terminal No.	1	R/G	ROOM LAMP POWER
	2	B	GROUND



Terminal No.	1	R/G	ROOM LAMP POWER
	2	G	GROUND
1	1	R/G	ROOM LAMP POWER
2	2	G	GROUND
3	3	R/G	ROOM LAMP POWER
4	4	G	GROUND
5	5	R/G	ROOM LAMP POWER
6	6	G	GROUND
7	7	R/G	ROOM LAMP POWER
8	8	G	GROUND
9	9	R/G	ROOM LAMP POWER
10	10	G	GROUND
11	11	R/G	ROOM LAMP POWER
12	12	G	GROUND
13	13	R/G	ROOM LAMP POWER
14	14	G	GROUND
15	15	R/G	ROOM LAMP POWER
16	16	G	GROUND
17	17	R/G	ROOM LAMP POWER
18	18	G	GROUND
19	19	R/G	ROOM LAMP POWER



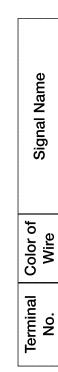
Connector No.	R11
Connector Name	PERSONAL LAMP
Connector Type	TK03FW
Connector Color	WHITE



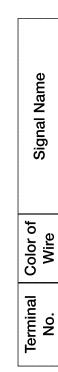
Connector No.	R12
Connector Name	FRONT ROOM/MAP LAMP ASSEMBLY (WITH FRONT ROOF CONSOLE)
Connector Type	TH12FW-NH
Connector Color	WHITE



Connector No.	R13
Connector Name	FRONT ROOM/MAP LAMP ASSEMBLY (WITH FRONT ROOF CONSOLE)
Connector Type	TH12FW-NH
Connector Color	WHITE



Connector No.	R14
Connector Name	FRONT ROOM/MAP LAMP ASSEMBLY (WITH FRONT ROOF CONSOLE)
Connector Type	TH12FW-NH
Connector Color	WHITE



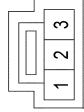
A B C D E F G H I J K L M N O P Q R S T U V Z

# INTERIOR ROOM LAMP

< WIRING DIAGRAM >

## INTERIOR ROOM LAMP CONNECTORS

Connector No.	R14
Connector Name	FRONT ROOM/MAP LAMP ASSEMBLY (WITHOUT FRONT ROOF CONSOLE)
Connector Type	TK03FW
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
1	RG	BATT SAUER +
2	B	GND
3	L	ROOM LAMP CONT

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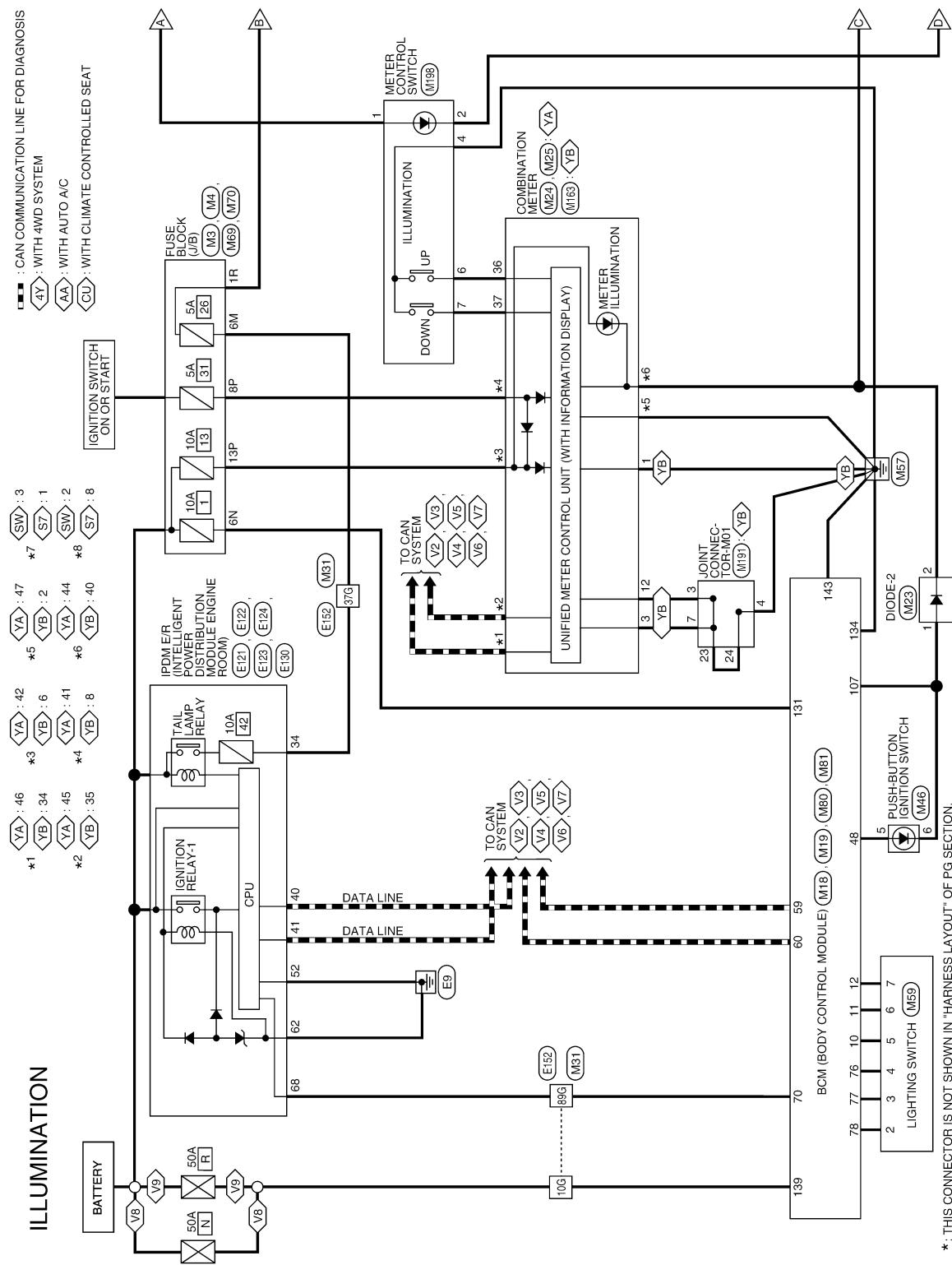
# ILLUMINATION

< WIRING DIAGRAM >

## ILLUMINATION

### Wiring Diagram

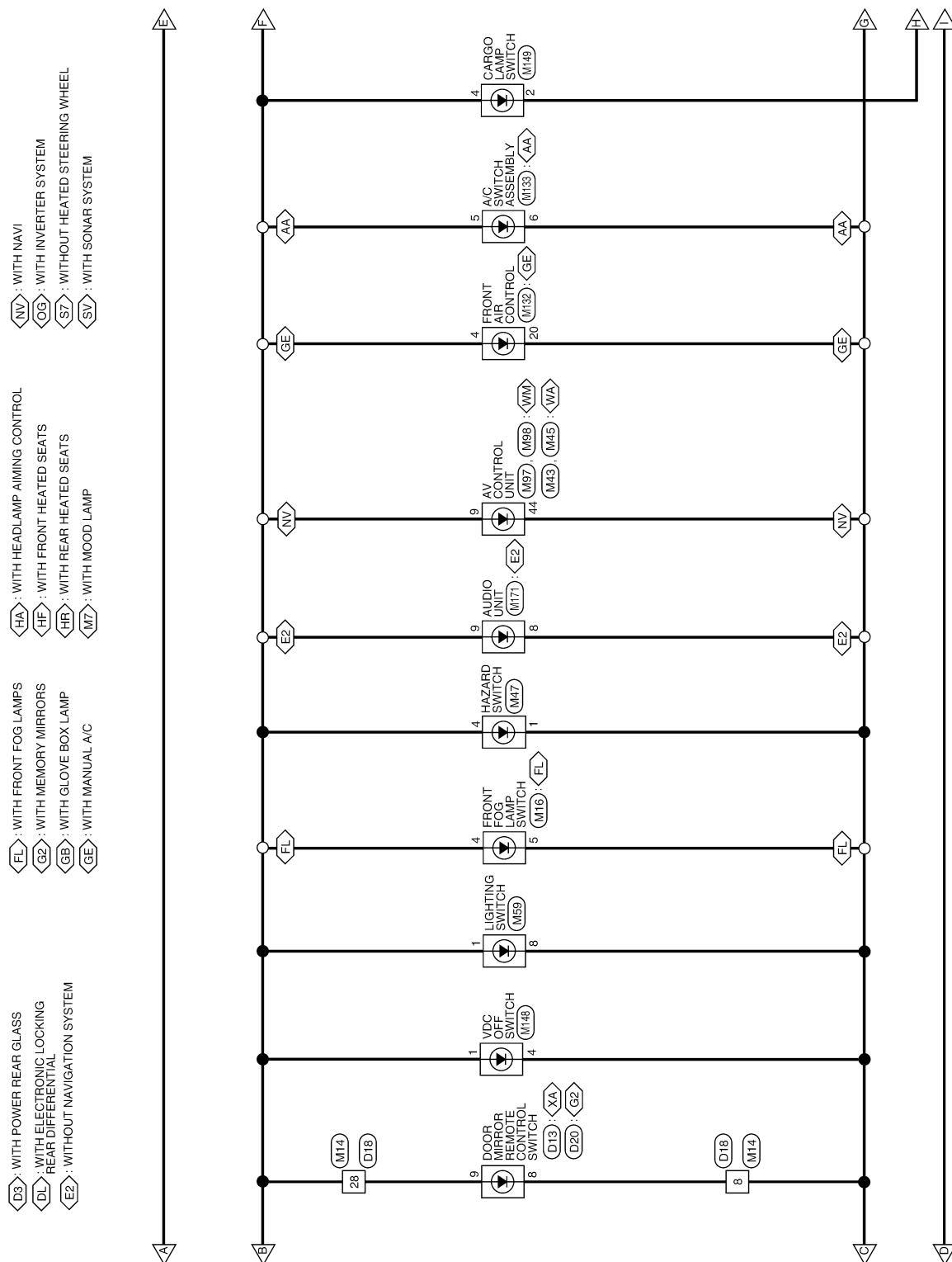
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# ILLUMINATION

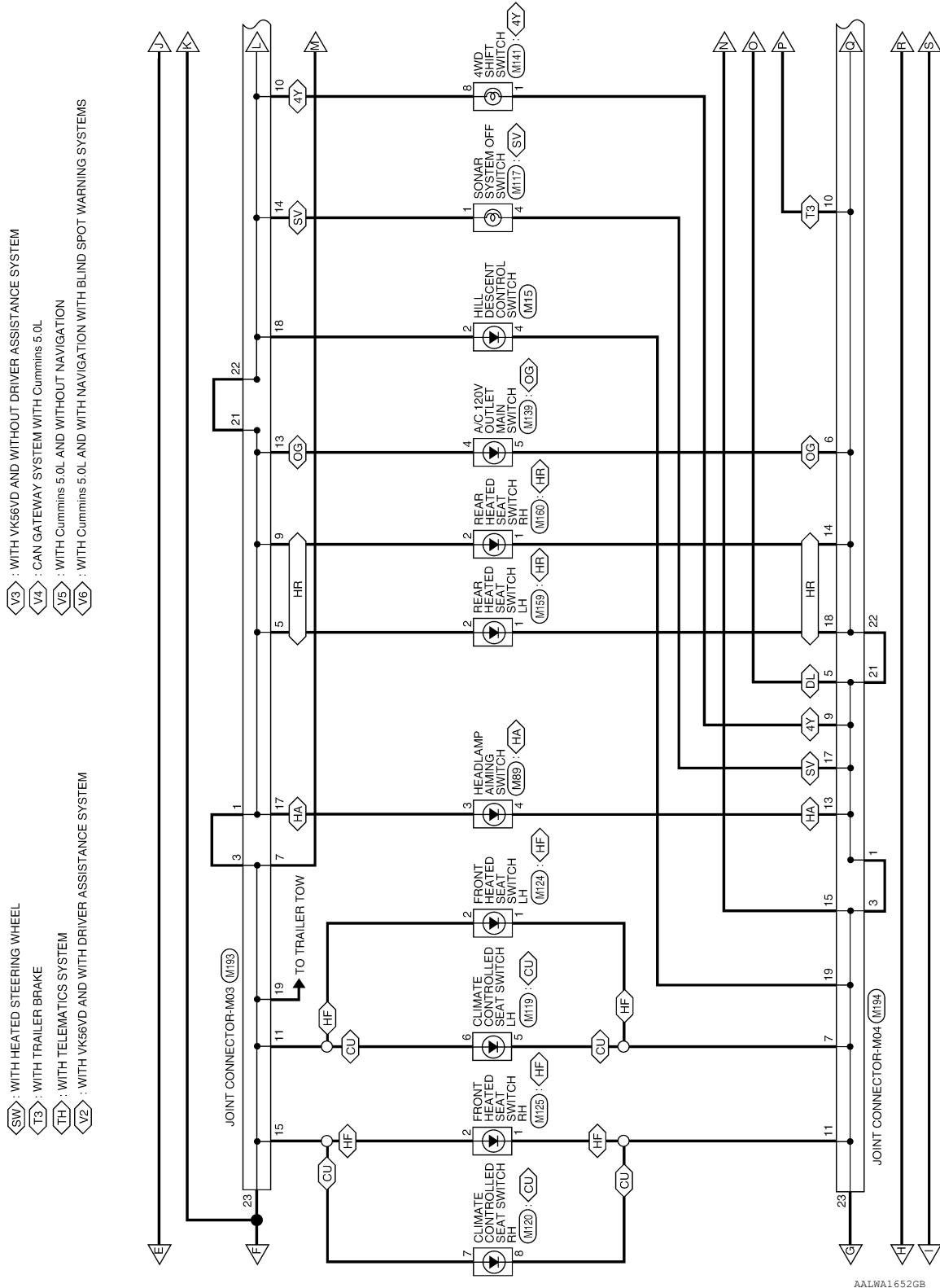
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## ILLUMINATION

## < WIRING DIAGRAM >



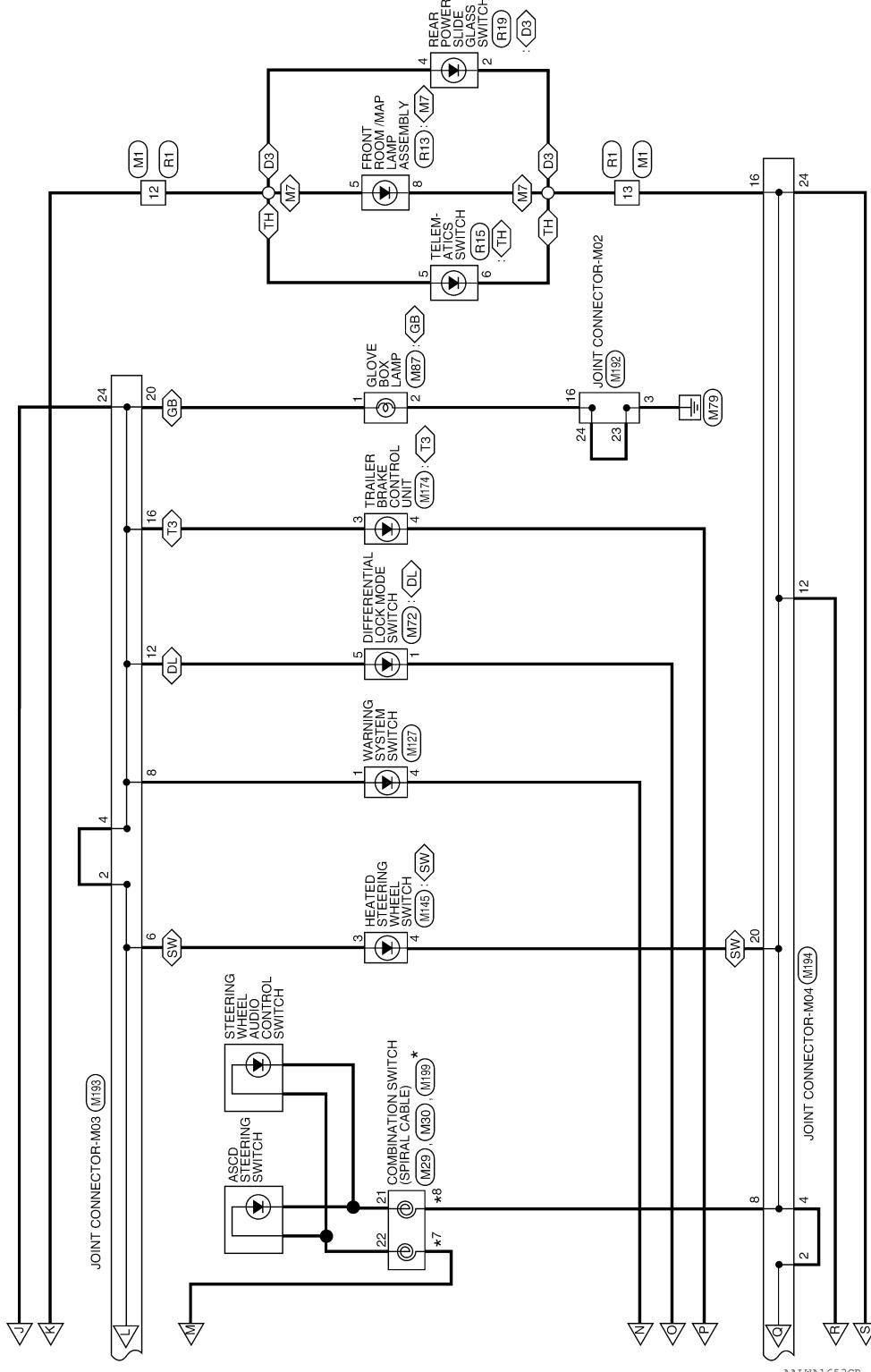
AALWA1652GB

## ILLUMINATION

## < WIRING DIAGRAM >

WITHOUT AUDIO AMPLIFIER  
 WITHOUT AUTOMATIC DRIVE POSITIONER  
 WITH TYPE A  
 WITH TYPE B

WITHOUT BLIND SPOT WARNING SYSTEMS  
 WITH Cummins 5.0L AND WITH NAVIGATION WITHOUT BLIND SPOT WARNING SYSTEMS  
 WITH VK56VD  
 WITH Cummins 5.0L  
 WITH AUDIO AMPLIFIER



AALWA1653GB

## ILLUMINATION

## < WIRING DIAGRAM >

## ILLUMINATION CONNECTORS

D13	DOOR MIRROR REMOTE CONTROL SWITCH (WITHOUT AUTOMATIC DRIVE POSITIONER)	TK16FW	WHITE	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
Connector No.	Connector Name	Connector Type	Connector Color	 



3	BG	TO MAIN HARNESS
4	Y	TO MAIN HARNESS
5	BR	TO MAIN HARNESS
6	SB	TO MAIN HARNESS
7	V	TO MAIN HARNESS
8	GR	TO MAIN HARNESS
9	L	TO MAIN HARNESS
10	W	TO MAIN HARNESS
11	B	TO MAIN HARNESS
12	R/G	TO MAIN HARNESS
13	Y	TO MAIN HARNESS
14	LG	TO MAIN HARNESS
15	L	TO MAIN HARNESS
16	V	TO MAIN HARNESS
17	LG	TO MAIN HARNESS
18	BR	TO MAIN HARNESS
19	LG/B	TO MAIN HARNESS
20	Y/V	TO MAIN HARNESS
21	BG	TO MAIN HARNESS -(WITH MEMORY MIRRORS)
21	BR	TO MAIN HARNESS -(WITHOUT MEMORY MIRRORS)
22	V	TO MAIN HARNESS
23	L	TO MAIN HARNESS -(WITH MEMORY MIRRORS)
23	G	TO MAIN HARNESS -(WITHOUT MEMORY MIRRORS)
24	LG	TO MAIN HARNESS
25	Y	TO MAIN HARNESS
26	L	TO MAIN HARNESS
27	Y	TO MAIN HARNESS
28	L	TO MAIN HARNESS
29	V	TO MAIN HARNESS
30	R	TO MAIN HARNESS
31	SHIELD	TO MAIN HARNESS
32	R	TO MAIN HARNESS
33	BR	TO MAIN HARNESS
34	-	TO MAIN HARNESS
35	W	TO MAIN HARNESS
36	L	TO MAIN HARNESS
37	L/R	TO MAIN HARNESS
38	LG	TO MAIN HARNESS
39	SB	TO MAIN HARNESS
40	L	TO MAIN HARNESS



Terminal No.	Color of Wire	Signal Name
1	LG	TO MAIN HARNESS - (WITH AROUND VIEW MONITOR)
1	SB	TO MAIN HARNESS - (WITHOUT MEMORY MIRRORS)
2	SB	TO MAIN HARNESS

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Connector No.	D20		27	R/L	PARKING RH		
Connector Name	DOOR MIRROR REMOTE CONTROL SWITCH (WITH MEMORY MIRRORS)		28	R/L	TAIL 1		
Connector Type	TK16FER		29	Y	FR WIPER HI		
Connector Color	BROWN		30	-	-		
			31	L	ECM RLY CONT		
				L	ECM BAT (WITH VK569VD)		
			32	L	PARKING LH		
			33	R/L	TAIL 2		
			34	R/W			
			35	BR	FR WIPER LO		
			36	-	-		
				-	-		
Connector No.		E122					
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)						
Connector Type	TH12FW-NH						
Connector Color	WHITE						
							
Terminal No.	Color of Wire	Signal Name					
1	-	-					
2	U/R	POWERFOLD UNFOLD+					
3	G/L	POWERFOLD UNFOLD+					
4	Y	MIRROR SW RIGHT/WARD					
5	L	POWERFOLD FOLD+					
6	GR	POWERFOLD FOLD+					
7	B	GROUND					
8	GR	ILLUMINATION -					
9	L	ILLUMINATION +					
10	SB	MIRROR SELECT SW/LH					
11	LG	MIRROR SELECT SW/RH					
12	L	MIRROR SW DOWNWARD					
13	V	MIRROR SW LEFTWARD					
14	-	-					
15	BR	MIRROR SW UPWARD					
16	-	-					
Terminal No.	Color of Wire	Signal Name					
37	-	-					
38	-	-					
39	Y	WIPER AUTO STOP SW					
40	P	CAN-L					
41	L	CAN-H					
42	R/L	DRVR RLY					
43	-	-					
44	WB	START CONT					
45	GR	FUEL RLY CONT					
46	Y	HOOD SW					
47	Y	ALT C - (WITH VK569VD)					
48	R/W	HORN RLY CONT					
Connector No.	E121						
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)						
Connector Type	NS12FBR-CS						
Connector Color	BROWN						
							

Terminal No.	Color of Wire	Signal Name
25	BR	ECM V-B. (WITH CUMMINS 5.0L)
25	W	ECM V-B. (WITH V856V)
26	W	Q2 (WITH V856V)

# ILLUMINATION

< WIRING DIAGRAM >

## ILLUMINATION CONNECTORS

Connector No.	E123
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	NS08FBR-CS
Connector Color	BROWN



Terminal No.	Color of Wire	Signal Name
49	GR/R	A/C COMP - (WITH VK65VD)
49	Y/B	A/C COMP - (WITH CUMMINS 5.0L)
50	BR	TRAILER TOW
51	-	-
52	B	S-GND
53	-	-
54	-	-
55	-	-
56	-	-



Connector No.	E124
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	M06FB-LC
Connector Color	BLACK



Terminal No.	Color of Wire	Signal Name
57	W/B	RR DEF
58	BR	FUEL PUMP - (WITH CUMMINS 5.0L)
58	BR	FUEL PUMP - (WITH VK65VD)
59	-	-
60	-	-
61	-	-
62	B	P GND

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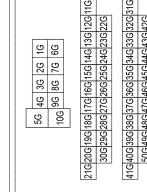
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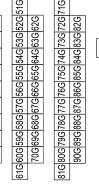
## < WIRING DIAGRAM >

## ILLUMINATION CONNECTORS

Connector No.	E152
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4
Connector Color	WHITE









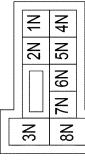
24G	G/R	TO MAIN HARNESS
25G	R/W	TO MAIN HARNESS
26G	R	TO MAIN HARNESS
27G	LG	TO MAIN HARNESS
28G	G/R	TO MAIN HARNESS
29G	G/R	TO MAIN HARNESS
30G	BRY	TO MAIN HARNESS - (WITH CUMMINS 3.0L)
31G	P	TO MAIN HARNESS - (WITH CUMMINS 3.0L)
31G	R	TO MAIN HARNESS - (WITH VGS67D)
32G	P	TO MAIN HARNESS
33G	YL	TO MAIN HARNESS
34G	GR	TO MAIN HARNESS
35G	G/R	TO MAIN HARNESS
36G	SB	TO MAIN HARNESS
37G	R/W	TO MAIN HARNESS
38G	BR	TO MAIN HARNESS
39G	BR	TO MAIN HARNESS
40G	-	TO MAIN HARNESS
41G	R/G	TO MAIN HARNESS
42G	O	TO MAIN HARNESS
43G	B	TO MAIN HARNESS - (WITH CUMMINS 3.0L)
43G	G	TO MAIN HARNESS - (WITH VGS67D)
44G	R/Y	TO MAIN HARNESS
45G	G	TO MAIN HARNESS
46G	LG	TO MAIN HARNESS
47G	R	TO MAIN HARNESS
48G	W	TO MAIN HARNESS
49G	-	TO MAIN HARNESS
50G	BR	TO MAIN HARNESS
51G	R	TO MAIN HARNESS
52G	L	TO MAIN HARNESS
53G	W	TO MAIN HARNESS
54G	W	TO MAIN HARNESS
55G	G	TO MAIN HARNESS
56G	W	TO MAIN HARNESS
57G	Y	TO MAIN HARNESS
58G	BG	TO MAIN HARNESS
59G	BG	TO MAIN HARNESS
60G	BG	TO MAIN HARNESS
61G	B	TO MAIN HARNESS
62G	W	TO MAIN HARNESS
63G	R	TO MAIN HARNESS
64G	W/L	TO MAIN HARNESS
65G	W/R	TO MAIN HARNESS
66G	BG	TO MAIN HARNESS
67G	BG	TO MAIN HARNESS
68G	B	TO MAIN HARNESS
69G	Y	TO MAIN HARNESS
70G	L	TO MAIN HARNESS
71G	BW	TO MAIN HARNESS



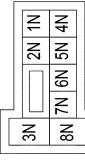
Connector No.	M1
Connector Name	WIRE TO WIRE
Connector Type	TH32FW-NH
Connector Color	WHITE



7G5	L/W	TO MAIN HARNESS
7G6	SHIELD	TO MAIN HARNESS
7G6	W	TO MAIN HARNESS
7G6	R	TO MAIN HARNESS
7G6	P/G	TO MAIN HARNESS
7G6	G	TO MAIN HARNESS
7G6	W	TO MAIN HARNESS
7G6	-	TO MAIN HARNESS
8G6	R	TO MAIN HARNESS
8G6	L	TO MAIN HARNESS
8G6	R	TO MAIN HARNESS
8G6	L	TO MAIN HARNESS
8G6	L	TO MAIN HARNESS
8G6	W/B	TO MAIN HARNESS
8G6	B/R	TO MAIN HARNESS
8G6	W/B	TO MAIN HARNESS
8G6	P	TO MAIN HARNESS
8G6	L	TO MAIN HARNESS
9G6	G	TO MAIN HARNESS
9G6	G	TO MAIN HARNESS
9G6	W	TO MAIN HARNESS
9G6	R	TO MAIN HARNESS
9G6	W/B	TO MAIN HARNESS
9G6	G	TO MAIN HARNESS
9G6	G	TO MAIN HARNESS
9G6	W	TO MAIN HARNESS
9G6	R	TO MAIN HARNESS
9G6	W/B	TO MAIN HARNESS
10G6	G/W	TO MAIN HARNESS



10	G	TO ROOM LAMP HARNESS
11	L/W	TO ROOM LAMP HARNESS
12	L	TO ROOM LAMP HARNESS
13	GR	TO ROOM LAMP HARNESS
14	R	TO ROOM LAMP HARNESS
15	W/B	TO ROOM LAMP HARNESS
16	LB	TO ROOM LAMP HARNESS
17	-	TO ROOM LAMP HARNESS
18	P	TO ROOM LAMP HARNESS
19	WL	TO ROOM LAMP HARNESS
20	WB	TO ROOM LAMP HARNESS
21	-	TO ROOM LAMP HARNESS
22	-	TO ROOM LAMP HARNESS
23	-	TO ROOM LAMP HARNESS
24	-	TO ROOM LAMP HARNESS
25	-	TO ROOM LAMP HARNESS
26	-	TO ROOM LAMP HARNESS
27	-	TO ROOM LAMP HARNESS
28	Y/R	TO ROOM LAMP HARNESS
29	GR	TO ROOM LAMP HARNESS
30	GW	TO ROOM LAMP HARNESS
31	LG/B	TO ROOM LAMP HARNESS
32	Y/W	TO ROOM LAMP HARNESS



Terminal No.	Color of Wire	Signal Name
1N	—	—
2N	W	BLOWER FAN RELAY OUT
3N	W	BLOWER FAN RELAY OUT
4N	V	BATTERY
5N	Y	BATTERY
6N	W	BATTERY
7N	L	ACC RELAY OUT
8N	W	IGNITION



7G	Y	TO MAIN HARNESS	55G	G	TO MAIN HARNESS
8G	G	TO MAIN HARNESS	56G	W	TO MAIN HARNESS
9G	R	TO MAIN HARNESS	57G	Y	TO MAIN HARNESS
10G	W	TO MAIN HARNESS	58G	BG	TO MAIN HARNESS
11G	R/G	TO MAIN HARNESS	59G	BG	TO MAIN HARNESS
12G	W/B	TO MAIN HARNESS	60G	BG	TO MAIN HARNESS
13G	BR	TO MAIN HARNESS	61G	B	TO MAIN HARNESS
14G	Y/B	TO MAIN HARNESS	62G	W	TO MAIN HARNESS
15G	Q/W	TO MAIN HARNESS	63G	R	TO MAIN HARNESS
16G	G	TO MAIN HARNESS	64G	WL	TO MAIN HARNESS
17G	G/Y	TO MAIN HARNESS	65G	WR	TO MAIN HARNESS
18G	G/Y	TO MAIN HARNESS	66G	BG	TO MAIN HARNESS
19G	Y/V	TO MAIN HARNESS	67G	BG	TO MAIN HARNESS
20G	G/Y	TO MAIN HARNESS	68G	B	TO MAIN HARNESS
21G	B/Y	TO MAIN HARNESS	69G	Y	TO MAIN HARNESS
22G	G/R	TO MAIN HARNESS	70G	L	TO MAIN HARNESS
23G	Y/R	TO MAIN HARNESS	71G	R/W	TO MAIN HARNESS

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# ILLUMINATION

## < WIRING DIAGRAM >

### ILLUMINATION CONNECTORS

Connector No.	Color of Wire	Signal Name	Terminal No.	Color of Wire	Signal Name
M4	R	IGNITION	19	LG/B	TO FRONT DOOR LH HARNESS
	Y	IGNITION	20	YV	TO FRONT DOOR LH HARNESS
	BR	IGNITION	21	BR	TO FRONT DOOR LH HARNESS - (WITHOUT MEMORY MIRRORS)
	G	IGNITION RELAY OUT	21	O	TO FRONT DOOR LH HARNESS - (WITH MEMORY MIRRORS)
	B/W	RR DEF RLY	22	BG	TO FRONT DOOR LH HARNESS
	BR	RR DEF RLY	23	G	TO FRONT DOOR LH HARNESS - (WITHOUT MEMORY MIRRORS)
	O	RR DEF RLY OUT	23	YV	TO FRONT DOOR LH HARNESS - (WITH MEMORY MIRRORS)
	G	IGNITION	23	L	TO FRONT DOOR LH HARNESS - (WITH MEMORY MIRRORS)
	W	IGNITION	24	BR	TO FRONT DOOR LH HARNESS
	L	BATTERY	25	Y	TO FRONT DOOR LH HARNESS
	-	-	26	LG	TO FRONT DOOR LH HARNESS
	11P	-	27	W	TO FRONT DOOR LH HARNESS
	12P	-	28	L	TO FRONT DOOR LH HARNESS
	R	BATTERY	29	P	TO FRONT DOOR LH HARNESS
	13P	Y	30	R	TO FRONT DOOR LH HARNESS
	YLG	BATTERY	31	SHIELD	TO FRONT DOOR LH HARNESS
	16P	W	32	R	TO FRONT DOOR LH HARNESS
		BLOWER FAN RELAY OUT	33	O	TO FRONT DOOR LH HARNESS
			34	-	TO FRONT DOOR LH HARNESS
			35	W	TO FRONT DOOR LH HARNESS
			36	W	TO FRONT DOOR LH HARNESS
			37	UR	TO FRONT DOOR LH HARNESS
			38	GR	TO FRONT DOOR LH HARNESS
			39	P	TO FRONT DOOR LH HARNESS
			40	R	TO FRONT DOOR LH HARNESS

AALIA5605GB

# ILLUMINATION

## < WIRING DIAGRAM >

### ILLUMINATION CONNECTORS

Connector No.	Signal Name	Color of Wire
M18	SHFT N/P	W/R
BCM (BODY CONTROL MODULE)	-	-
TH40FG-NH	ENG START SW/NO ESCL	G
GREEN	A/L POWER SUPPLY SV	R
	A/L SIGNAL	W/R
20 19 16 17 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1	COMBI SW IN 5	-
46 36 35 33 35 34 33 32 31 33 29 27 26 25 24 23 22 21	COMBI SW IN 4	-
46 36 35 33 35 34 33 32 31 33 29 27 26 25 24 23 22 21	COMBI SW IN 3	-
46 36 35 33 35 34 33 32 31 33 29 27 26 25 24 23 22 21	COMBI SW IN 2	-
46 36 35 33 35 34 33 32 31 33 29 27 26 25 24 23 22 21	COMBI SW IN 1	-
46 36 35 33 35 34 33 32 31 33 29 27 26 25 24 23 22 21	SECURITY INDICATOR	-
46 36 35 33 35 34 33 32 31 33 29 27 26 25 24 23 22 21	STEP LAMP/CONT	R/W
46 36 35 33 35 34 33 32 31 33 29 27 26 25 24 23 22 21	AIRCOND SW	-
46 36 35 33 35 34 33 32 31 33 29 27 26 25 24 23 22 21	BRAKE SW/FUSE	-
46 36 35 33 35 34 33 32 31 33 29 27 26 25 24 23 22 21	SHRT IN PIN INPUT	L
46 36 35 33 35 34 33 32 31 33 29 27 26 25 24 23 22 21	BRAKE SW/LAMP	R/G
46 36 35 33 35 34 33 32 31 33 29 27 26 25 24 23 22 21	BLOWER FAN SW	-
46 36 35 33 35 34 33 32 31 33 29 27 26 25 24 23 22 21	DR DOOR LOCK STATUS	P
46 36 35 33 35 34 33 32 31 33 29 27 26 25 24 23 22 21	REAR DEFROGGER SW	-
46 36 35 33 35 34 33 32 31 33 29 27 26 25 24 23 22 21	REAR BRAKE SW	Y
46 36 35 33 35 34 33 32 31 33 29 27 26 25 24 23 22 21	IGN USH OUT 1	-
46 36 35 33 35 34 33 32 31 33 29 27 26 25 24 23 22 21	DR REQUEST SW	O
46 36 35 33 35 34 33 32 31 33 29 27 26 25 24 23 22 21	AS REQUEST SW	-
46 36 35 33 35 34 33 32 31 33 29 27 26 25 24 23 22 21	HAZARD SW	W/B
46 36 35 33 35 34 33 32 31 33 29 27 26 25 24 23 22 21	REVERSE SW	R/G
46 36 35 33 35 34 33 32 31 33 29 27 26 25 24 23 22 21	LED HEAD LAMP (R)	-
46 36 35 33 35 34 33 32 31 33 29 27 26 25 24 23 22 21	LED HEAD LAMP (L)	-

Terminal No.	Color of Wire	Signal Name	Terminal No.	Color of Wire	Signal Name
1	G	ENG START SW/NO ESCL	41	Y/L	TRAILER LIGHT CHECK RELAY OUT
2	-	-	42	R/Y	CARGO LAMP OUT
3	R	A/L POWER SUPPLY SV	43	-	-
4	W/R	A/L SIGNAL	44	-	-
5	-	-	45	-	-
6	-	-	46	-	-
7	-	-	47	-	-
8	-	-	48	R	HIGH SIDE START SW/LED
9	-	-	49	-	-
10	SB	COMBI SW IN 5	50	-	-
11	G/Y	COMBI SW IN 4	51	-	-
12	Y	COMBI SW IN 3	52	W	AUDIO DONGLE
13	G/B	COMBI SW IN 2	53	-	-
14	V	COMBI SW IN 1	54	W/L	PW UART
15	-	-	55	W/B	L&R SENSOR K-LINE
16	-	-	56	-	-
17	P	GND RF A/L	57	-	-
18	V	SECURITY INDICATOR	58	-	-
19	-	-	59	P	CAN-L
20	R	SHIFT P	60	L	CAN-H
21	R/W	STEP LAMP/CONT	61	O	REAR DEFROGGER RELAY OUT
22	-	-	62	W	STARTER RELAY OUT
23	Y	AIRCOND SW	63	-	-
24	-	-	64	P	BUZZER OUT
25	W	BRAKE SW/FUSE	65	-	-
26	L	SHRT IN PIN INPUT	66	W	BLOWER FAN RELAY OUT
27	R/G	BRAKE SW/LAMP	67	G	IGN ELEC RELAY OUT 2
28	-	-	68	L	MR OUTPUT
29	W	BLOWER FAN SW	69	R/B	AT DEVICE OUT
30	P	DR DOOR LOCK STATUS	70	P	IGN USH OUT 1
31	-	-	71	O	DR REQUEST SW
32	Y	REAR DEFROGGER SW	72	G	AS REQUEST SW
33	-	-	73	-	-
34	-	-	74	-	-
35	-	-	75	-	-
36	W/B	HAZARD SW	76	-	-
37	-	-	77	-	-
38	-	-	78	-	-

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# ILLUMINATION

## < WIRING DIAGRAM >

### ILLUMINATION CONNECTORS

Connector No.	M25
Connector Name	COMBINATION METER (WITH TYPE A)
Connector Type	TH12EW-NH
Connector Color	WHITE



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

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

Terminal No.	Color of Wire	Signal Name
7	B/Y	ASCD GND - (WITH HEATED STEERING WHEEL)
8	R	AUDIO STRG SW REMOTE B - (WITH HEATED STEERING WHEEL)
9	P	ILL (-) - (WITHOUT HEATED STEERING WHEEL)
10	G/Y	ASCD SW - (WITHOUT HEATED STEERING WHEEL)
11	B	AUDIO STRG SW GND - (WITH HEATED STEERING WHEEL)
12	B	AUDIO STRG SW (WITH HEATED STEERING WHEEL)
13	B/Y	ASCD GND - (WITHOUT HEATED STEERING WHEEL)
14	R	AUDIO STRG SW REMOTE B - (WITHOUT HEATED STEERING WHEEL)



Terminal No.	Color of Wire	Signal Name
1	L	ILL (-) - (WITHOUT HEATED STEERING WHEEL)
1	R/W	HORN SWITCH OUTPUT - (WITH HEATED STEERING WHEEL)
2	GR	ILL (-) - (WITH HEATED STEERING WHEEL)
3	L	ILL (+) - (WITH HEATED STEERING WHEEL)
4	Y/B	DR1 (-)
5	-	-

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# ILLUMINATION

## < WIRING DIAGRAM >

### ILLUMINATION CONNECTORS

Terminal No.	Color of Wire	Signal Name
1G	G	TO ENGINE ROOM HARNESS
2G	BR/W	TO ENGINE ROOM HARNESS
4G	Y/G	TO ENGINE ROOM HARNESS
5G	W	TO ENGINE ROOM HARNESS
6G	Y/G	TO ENGINE ROOM HARNESS
7G	W	TO ENGINE ROOM HARNESS
8G	Y/G	TO ENGINE ROOM HARNESS
9G	W	TO ENGINE ROOM HARNESS
10G	Y/G	TO ENGINE ROOM HARNESS
11G	Y/G	TO ENGINE ROOM HARNESS
12G	W/B	TO ENGINE ROOM HARNESS
13G	BR	TO ENGINE ROOM HARNESS
14G	Y/B	TO ENGINE ROOM HARNESS
15G	G/W	TO ENGINE ROOM HARNESS
16G	G	TO ENGINE ROOM HARNESS
17G	O	TO ENGINE ROOM HARNESS
18G	Y/W	TO ENGINE ROOM HARNESS
19G	Y	TO ENGINE ROOM HARNESS
20G	Y/W	TO ENGINE ROOM HARNESS
21G	Y	TO ENGINE ROOM HARNESS
22G	Y/R	TO ENGINE ROOM HARNESS
23G	Y/R	TO ENGINE ROOM HARNESS
24G	Y/B	TO ENGINE ROOM HARNESS
25G	R/W	TO ENGINE ROOM HARNESS
26G	R	TO ENGINE ROOM HARNESS

Terminal No.	Color of Wire	Signal Name
27G	LG	TO ENGINE ROOM HARNESS
28G	G/B	TO ENGINE ROOM HARNESS
29G	G/B	TO ENGINE ROOM HARNESS
30G	BR/Y	TO ENGINE ROOM HARNESS
31G	R	TO ENGINE ROOM HARNESS
32G	R	TO ENGINE ROOM HARNESS
33G	Y/L	TO ENGINE ROOM HARNESS
34G	GR	TO ENGINE ROOM HARNESS
35G	G/R	TO ENGINE ROOM HARNESS
36G	SB	TO ENGINE ROOM HARNESS
37G	R/W	TO ENGINE ROOM HARNESS
38G	BR	TO ENGINE ROOM HARNESS
39G	BR	TO ENGINE ROOM HARNESS
40G	-	TO ENGINE ROOM HARNESS
41G	R/G	TO ENGINE ROOM HARNESS
42G	O	TO ENGINE ROOM HARNESS
43G	G	TO ENGINE ROOM HARNESS
44G	R/Y	TO ENGINE ROOM HARNESS
45G	G	TO ENGINE ROOM HARNESS
46G	LG	TO ENGINE ROOM HARNESS
47G	R	TO ENGINE ROOM HARNESS
48G	W	TO ENGINE ROOM HARNESS
49G	-	TO ENGINE ROOM HARNESS
50G	BR	TO ENGINE ROOM HARNESS
51G	R	TO ENGINE ROOM HARNESS
52G	L	TO ENGINE ROOM HARNESS
53G	W	TO ENGINE ROOM HARNESS
54G	W	TO ENGINE ROOM HARNESS
55G	G	TO ENGINE ROOM HARNESS
56G	W	TO ENGINE ROOM HARNESS
57G	Y	TO ENGINE ROOM HARNESS
58G	B/G	TO ENGINE ROOM HARNESS
59G	B/G	TO ENGINE ROOM HARNESS
60G	B/G	TO ENGINE ROOM HARNESS
61G	O	TO ENGINE ROOM HARNESS
62G	W	TO ENGINE ROOM HARNESS
63G	O	TO ENGINE ROOM HARNESS
64G	W/L	TO ENGINE ROOM HARNESS
65G	W/R	TO ENGINE ROOM HARNESS
66G	B/G	TO ENGINE ROOM HARNESS
67G	O	TO ENGINE ROOM HARNESS
68G	B	TO ENGINE ROOM HARNESS
69G	Y	TO ENGINE ROOM HARNESS
70G	L	TO ENGINE ROOM HARNESS
71G	R/W	TO ENGINE ROOM HARNESS
72G	L/W	TO ENGINE ROOM HARNESS
73G	SHIELD	TO ENGINE ROOM HARNESS
74G	W	TO ENGINE ROOM HARNESS
75G	R	TO ENGINE ROOM HARNESS
76G	R/G	TO ENGINE ROOM HARNESS
77G	B/G	TO ENGINE ROOM HARNESS
78G	P	TO ENGINE ROOM HARNESS
79G	-	TO ENGINE ROOM HARNESS

Terminal No.	Color of Wire	Signal Name
17	P	CAN-L
18	G	SPEED SIG
19	W	BAT
20	B	GND
21	LG	TO ENGINE ROOM HARNESS
22	R	TO ENGINE ROOM HARNESS
23	L	TO ENGINE ROOM HARNESS
24	L	TO ENGINE ROOM HARNESS
25	BR	TO ENGINE ROOM HARNESS
26	W	TO ENGINE ROOM HARNESS
27	G	TO ENGINE ROOM HARNESS
28	P	TO ENGINE ROOM HARNESS
29	G	TO ENGINE ROOM HARNESS
30	P	TO ENGINE ROOM HARNESS
31	LG	TO ENGINE ROOM HARNESS
32	R	TO ENGINE ROOM HARNESS
33	SB	TO ENGINE ROOM HARNESS
34	SB	TO ENGINE ROOM HARNESS
35	LG	TO ENGINE ROOM HARNESS
36	SB	TO ENGINE ROOM HARNESS
37	LG	TO ENGINE ROOM HARNESS
38	SB	TO ENGINE ROOM HARNESS
39	LG	TO ENGINE ROOM HARNESS
40	LG	TO ENGINE ROOM HARNESS
41	LG	TO ENGINE ROOM HARNESS
42	LG	TO ENGINE ROOM HARNESS
43	LG	TO ENGINE ROOM HARNESS
44	LG	TO ENGINE ROOM HARNESS
45	LG	TO ENGINE ROOM HARNESS
46	LG	TO ENGINE ROOM HARNESS
47	LG	TO ENGINE ROOM HARNESS
48	LG	TO ENGINE ROOM HARNESS
49	LG	TO ENGINE ROOM HARNESS
50	LG	TO ENGINE ROOM HARNESS
51	LG	TO ENGINE ROOM HARNESS
52	LG	TO ENGINE ROOM HARNESS
53	LG	TO ENGINE ROOM HARNESS
54	LG	TO ENGINE ROOM HARNESS
55	LG	TO ENGINE ROOM HARNESS
56	LG	TO ENGINE ROOM HARNESS
57	LG	TO ENGINE ROOM HARNESS
58	LG	TO ENGINE ROOM HARNESS
59	LG	TO ENGINE ROOM HARNESS
60	LG	TO ENGINE ROOM HARNESS
61	LG	TO ENGINE ROOM HARNESS
62	LG	TO ENGINE ROOM HARNESS
63	LG	TO ENGINE ROOM HARNESS
64	LG	TO ENGINE ROOM HARNESS
65	LG	TO ENGINE ROOM HARNESS
66	LG	TO ENGINE ROOM HARNESS
67	LG	TO ENGINE ROOM HARNESS
68	LG	TO ENGINE ROOM HARNESS
69	LG	TO ENGINE ROOM HARNESS
70	LG	TO ENGINE ROOM HARNESS
71	LG	TO ENGINE ROOM HARNESS
72	LG	TO ENGINE ROOM HARNESS
73	LG	TO ENGINE ROOM HARNESS
74	LG	TO ENGINE ROOM HARNESS
75	LG	TO ENGINE ROOM HARNESS
76	LG	TO ENGINE ROOM HARNESS
77	LG	TO ENGINE ROOM HARNESS
78	LG	TO ENGINE ROOM HARNESS
79	LG	TO ENGINE ROOM HARNESS

Terminal No.	Color of Wire	Signal Name
1	G/W	AMP ON
2	L	FR SP LH+
3	W	FR SP LH-
4	L	RR SP LH+
5	BR	RR SP LH-
6	-	ACC
7	R	CAN-H
8	L	CAN-L
9	L	ILL (+)
10	SHIELD	PRE AMP SHIELD
11	B	FR SP RH+
12	Y	FR SP RH-
13	B/W	RR SP RH+
14	P	RR SP RH-
15	-	-
16	-	-
17	R	MIC VCC(WITHOUT TELEMATICS)
18	W	MIC SIGNAL
19	GR	ILL (-)

AALIA560BGB

# ILLUMINATION

## < WIRING DIAGRAM >

### ILLUMINATION CONNECTORS

Connector No.	M46
Connector Name	PUSH-BUTTON IGNITION SWITCH
Connector Type	TH04FW-NH
Connector Color	WHITE
	

Terminal	Color of Wire	Signal Name	Signal Name
1	L	ILLUMINATION +	
2	BR	INPUT 2	TAIL LAMP 2
3	Y	INPUT 3	
4	G	INPUT4	
5	L	OUTPUT 5	
6	P	OUTPUT 4	
7	Y	OUTPUT 3	
8	GR	ILLUMINATION -	

Connector No.	M59
Connector Name	LIGHTING SWITCH
Connector Type	TH08FG-NH
Connector Color	GREEN
	

Connector No.	M70
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS16FBR-CS
Connector Color	BROWN
Connector Type	TH24FB-NH
Connector Color	BLACK



Terminal No.	Color of Wire	Signal Name	Signal Name
1R	L		TAIL LAMP 2
2R	GR	IGNITION	
3R	Y/R	BATTERY	
4R	-		
5R	W	BATTERY	
6R	GR	ACCESSORY	
7R	-		
8R	-		
9R	-		
10R	W	BATTERY	
11R	-		
12R	BG	BATTERY	
13R	B	ACCESSORY	
14R	GR/Y	BATTERY	
15R	Y	BATTERY	
16R	GR	ACCESSORY	



Terminal No.	Color of Wire	Signal Name
1	GR	ILLUMINATION -
2	-	
3	-	
4	G	IGNITION
5	L	ILLUMINATION +
6	-	



Terminal	Color of Wire	Signal Name	Signal Name
1	W/B	ILLUMINATION -	
2	W/B	HAZARD SW	
3	B	GND	
4	GR	ILLUMINATION +	



Terminal	Color of Wire	Signal Name	Signal Name
1	W/B	ILLUMINATION -	
2	W/B	HAZARD SW	
3	B	GND	
4	GR	ILLUMINATION +	



Terminal	Color of Wire	Signal Name	Signal Name
1	GR	ILLUMINATION -	
2	-		
3	-		
4	G	IGNITION	
5	L	ILLUMINATION +	
6	-		

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# ILLUMINATION

## < WIRING DIAGRAM >

### ILLUMINATION CONNECTORS

Connector No.	M81	Connector No.	M89	Connector No.	M117
Connector Name	BCM (BODY CONTROL MODULE)	Connector Name	HEAD AMP AIMING SWITCH	Connector Name	SONAR SYSTEM OFF SWITCH
Connector Type	FFA09FW-FHA46-SA	Connector Type	TH04FW-NH	Connector Type	TH08FGY-NH
Connector Color	WHITE	Connector Color	WHITE	Connector Color	GRAY
Terminal No.	17	Terminal No.	17	Terminal No.	CAN-L
Color of Wire	P	Color of Wire	G	Color of Wire	SPEED SIG
Terminal No.	18	Terminal No.	18	Terminal No.	1
Color of Wire	G	Color of Wire	W	Color of Wire	L
Terminal No.	19	Terminal No.	19	Terminal No.	2
Color of Wire	W	Color of Wire	B	Color of Wire	-
Terminal No.	20	Terminal No.	20	Terminal No.	3
Color of Wire	B	Color of Wire	-	Color of Wire	BR
Connector No.	M98	Connector No.	M98	Connector No.	IND-(WITHOUT DRIVER ASSISTANCE)
Connector Name	AV CONTROL UNIT (WITHOUT AUDIO AMPLIFIER)	Connector Name	AV CONTROL UNIT (WITHOUT AUDIO AMPLIFIER)	Connector Name	IND-(WITHOUT DRIVER ASSISTANCE)
Connector Type	TH24FW-NH	Connector Type	TH24FW-NH	Connector Type	IND-(WITH DRIVER ASSISTANCE)
Connector Color	WHITE	Connector Color	WHITE	Connector Color	GR
Terminal No.	32	Terminal No.	30	Terminal No.	4
Color of Wire	31	Color of Wire	29	Color of Wire	GR
	35		28		GR
Terminal No.	44	Terminal No.	42	Terminal No.	5
Color of Wire	43	Color of Wire	41	Color of Wire	G
	35		39		G
Terminal No.	36	Terminal No.	38	Terminal No.	6
Color of Wire	35	Color of Wire	37	Color of Wire	G
	33		36		G
Terminal No.	34	Terminal No.	36	Terminal No.	7
Color of Wire	33	Color of Wire	35	Color of Wire	-
	32		34		-
Terminal No.	35	Terminal No.	37	Terminal No.	8
Color of Wire	34	Color of Wire	36	Color of Wire	B
	31		33		GND
Terminal No.	21	Terminal No.	21	Terminal No.	21
Color of Wire	LG	Color of Wire	LG	Color of Wire	LG
Terminal No.	22	Terminal No.	22	Terminal No.	22
Color of Wire	SB	Color of Wire	SB	Color of Wire	SB
Terminal No.	23	Terminal No.	23	Terminal No.	23
Color of Wire	L	Color of Wire	L	Color of Wire	MR OUTPUT
Terminal No.	24	Terminal No.	24	Terminal No.	24
Color of Wire	-	Color of Wire	-	Color of Wire	-
Terminal No.	25	Terminal No.	25	Terminal No.	25
Color of Wire	-	Color of Wire	-	Color of Wire	-
Terminal No.	26	Terminal No.	26	Terminal No.	26
Color of Wire	-	Color of Wire	-	Color of Wire	-
Terminal No.	27	Terminal No.	27	Terminal No.	27
Color of Wire	-	Color of Wire	-	Color of Wire	-
Terminal No.	28	Terminal No.	28	Terminal No.	28
Color of Wire	GW	Color of Wire	GW	Color of Wire	REVERSE SIGNAL (WITH REAR VIEW CAMERA)
Terminal No.	29	Terminal No.	29	Terminal No.	29
Color of Wire	-	Color of Wire	-	Color of Wire	-
Terminal No.	30	Terminal No.	30	Terminal No.	AUX L
Color of Wire	V	Color of Wire	V	Color of Wire	AUX GND
Terminal No.	31	Terminal No.	31	Terminal No.	AUX R
Color of Wire	GR	Color of Wire	GR	Color of Wire	AUX GND
Terminal No.	32	Terminal No.	32	Terminal No.	CAMERA GND (WITH REAR VIEW CAMERA)
Color of Wire	G	Color of Wire	G	Color of Wire	CAMERA GND (WITH REAR VIEW CAMERA)
Terminal No.	33	Terminal No.	33	Terminal No.	IGN
Color of Wire	LW	Color of Wire	LW	Color of Wire	IGN
Terminal No.	34	Terminal No.	34	Terminal No.	CAMERA ON (WITH REAR VIEW CAMERA)
Color of Wire	L	Color of Wire	L	Color of Wire	CAMERA ON (WITH REAR VIEW CAMERA)
Terminal No.	35	Terminal No.	35	Terminal No.	COMP- (WITH REAR VIEW CAMERA)
Color of Wire	RW	Color of Wire	RW	Color of Wire	COMP- (WITH REAR VIEW CAMERA)
Terminal No.	36	Terminal No.	36	Terminal No.	COMP+ (WITH REAR VIEW CAMERA)
Color of Wire	R	Color of Wire	R	Color of Wire	COMP+ (WITH REAR VIEW CAMERA)
Terminal No.	37	Terminal No.	37	Terminal No.	SHIELD
Color of Wire	GR	Color of Wire	GR	Color of Wire	SHIELD
Terminal No.	38	Terminal No.	38	Terminal No.	M CAN1-L
Color of Wire	LG	Color of Wire	LG	Color of Wire	M CAN1-L
Terminal No.	39	Terminal No.	39	Terminal No.	M CAN1-H
Color of Wire	SB	Color of Wire	SB	Color of Wire	M CAN1-H
Terminal No.	40	Terminal No.	40	Terminal No.	AUX SHIELD
Color of Wire	SHIELD	Color of Wire	SHIELD	Color of Wire	AUX SHIELD
Terminal No.	41	Terminal No.	41	Terminal No.	MIC GND
Color of Wire	R	Color of Wire	R	Color of Wire	MIC GND
Terminal No.	42	Terminal No.	42	Terminal No.	MIC VCC
Color of Wire	R	Color of Wire	R	Color of Wire	MIC VCC
Terminal No.	43	Terminal No.	43	Terminal No.	MIC SIGNAL
Color of Wire	W	Color of Wire	W	Color of Wire	MIC SIGNAL
Terminal No.	44	Terminal No.	44	Terminal No.	ILL (-)
Color of Wire	GR	Color of Wire	GR	Color of Wire	ILL (-)

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# ILLUMINATION

## < WIRING DIAGRAM >

### ILLUMINATION CONNECTORS

Connector No.	M119
Connector Name	CLIMATE CONTROLLED SEAT SWITCH LH
Connector Type	TK10FW
Connector Color	WHITE
	

Terminal No.	Color of Wire	Signal Name	Signal Name
1	P	A/C HEAT SW	ILLUMINATION -
2	W	A/C COOL SW	ILLUMINATION +
3	BG	A/C SW UNIT	SWITCH OUTPUT HIGH
4	-	-	HEATED SEAT RELAY OUTPUT
5	GR	ILLUMINATION -	SWITCH OUTPUT LOW
6	L	ILLUMINATION +	GROUND
7	B	GROUND	-
8	Y	A/C HEAT IND	-
9	BR	A/C COO IND	-
10	-	-	-

Connector No.	M120
Connector Name	CLIMATE CONTROLLED SEAT SWITCH RH
Connector Type	TK08FBR
Connector Color	BROWN
	

Terminal No.	Color of Wire	Signal Name	Signal Name
1	GR	ILLUMINATION -	ILLUMINATION +
2	L	ILLUMINATION +	SWITCH OUTPUT HIGH
3	LG	HEATED SEAT RELAY OUTPUT	SWITCH OUTPUT LOW
4	W	SWITCH OUTPUT HIGH	GROUND
5	W	SWITCH OUTPUT LOW	-
6	B	GROUND	-

Terminal No.	Color of Wire	Signal Name	Signal Name
1	W	A/C SW UNIT	ILLUMINATION +
2	G	A/C COOL SW	ILLUMINATION -
3	L	A/C HEAT SW	-
4	BG	A/C COO IND	-
5	O	A/C HEAT IND	-
6	B	GROUND	-
7	L	ILLUMINATION +	ILLUMINATION -
8	GR	ILLUMINATION -	-

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Connector No.	M127
Connector Name	WARNING SYSTEM SWITCH
Connector Type	TH08FW-NH
Connector Color	WHITE
	

Terminal No.	Color of Wire	Signal Name	Signal Name
1	L	ILLUMINATION +	ILLUMINATION -
2	-	-	BSW SW IND
3	GR	BSW SW IND	ILLUMINATION -
4	GR	IGNITION	IGNITION
5	G	BSW SW	BSW SW
6	LG	-	-
7	-	-	GND
8	B	GND	-

Connector No.	M132
Connector Name	FRONT AIR CONTROL
Connector Type	TH32FW-NH
Connector Color	WHITE
	

Terminal No.	Color of Wire	Signal Name	Signal Name
1	2	ILLUMINATION -	ILLUMINATION +
2	L	ILLUMINATION +	SWITCH OUTPUT HIGH
3	LG	HEATED SEAT RELAY OUTPUT	SWITCH OUTPUT LOW
4	W	SWITCH OUTPUT HIGH	GROUND
5	W	SWITCH OUTPUT LOW	-
6	B	GROUND	-

Connector No.	M133
Connector Name	A/C SWITCH ASSEMBLY
Connector Type	TH12FW-NH
Connector Color	WHITE
	

Terminal No.	Color of Wire	Signal Name	Signal Name
1	2	ILLUMINATION -	ILLUMINATION +
2	3	ILLUMINATION +	ILLUMINATION -
3	4	ILLUMINATION -	ILLUMINATION +
4	5	ILLUMINATION +	ILLUMINATION -
5	6	ILLUMINATION -	ILLUMINATION +
6	7	ILLUMINATION +	ILLUMINATION -
7	8	ILLUMINATION -	ILLUMINATION +
8	9	ILLUMINATION +	ILLUMINATION -
9	10	ILLUMINATION -	ILLUMINATION +
10	11	ILLUMINATION +	ILLUMINATION -
11	12	ILLUMINATION -	ILLUMINATION +
12	13	ILLUMINATION +	ILLUMINATION -
13	14	ILLUMINATION -	ILLUMINATION +
14	15	ILLUMINATION +	ILLUMINATION -
15	16	ILLUMINATION -	ILLUMINATION +
16	17	ILLUMINATION +	ILLUMINATION -
17	18	ILLUMINATION -	ILLUMINATION +
18	19	ILLUMINATION +	ILLUMINATION -
19	20	ILLUMINATION -	ILLUMINATION +
20	21	ILLUMINATION +	ILLUMINATION -
21	22	ILLUMINATION -	ILLUMINATION +
22	23	ILLUMINATION +	ILLUMINATION -
23	24	ILLUMINATION -	ILLUMINATION +
24	25	ILLUMINATION +	ILLUMINATION -
25	26	ILLUMINATION -	ILLUMINATION +
26	27	ILLUMINATION +	ILLUMINATION -
27	28	ILLUMINATION -	ILLUMINATION +
28	29	ILLUMINATION +	ILLUMINATION -
29	30	ILLUMINATION -	ILLUMINATION +
30	31	ILLUMINATION +	ILLUMINATION -
31	32	ILLUMINATION -	ILLUMINATION +
32	-	-	-

# ILLUMINATION

## < WIRING DIAGRAM >

### ILLUMINATION CONNECTORS

Connector No.	M139
Connector Name	A/C 120V OUTLET MAIN SWITCH
Connector Type	TK12FW
Connector Color	WHITE
	

Connector No.	M145
Connector Name	HEATED STEERING WHEEL SWITCH
Connector Type	TH08FW-NH
Connector Color	BLUE
	

Connector No.	M149
Connector Name	CARGO LAMP SWITCH
Connector Type	TK06FW-1V
Connector Color	WHITE
	

Connector No.	M160
Connector Name	REAR HEATED SEAT SWITCH RH
Connector Type	NS06FB-R-CS
Connector Color	BROWN
	

Terminal No.	1	L	SWITCH OUT	Signal Name	SWITCH OUT
2	GR	IGNITION	STEERING HEATER SW	Signal Name	STEERING HEATER SW
3	G	400W OUTPUT INDICATOR	GROUND	Signal Name	GROUND
4	L	ILLUMINATION +	ILLUMINATION +	Signal Name	ILLUMINATION +
5	GR	ILLUMINATION +	ILLUMINATION +	Signal Name	ILLUMINATION +
6	GR	ILLUMINATION -	ILLUMINATION -	Signal Name	ILLUMINATION -
7	SB	IGNITION	INDICATOR POWER	Signal Name	INDICATOR POWER
8	-	-	150W OUTPUT INDICATOR	Signal Name	150W OUTPUT INDICATOR
9	-	-	-	Signal Name	-
10	-	-	-	Signal Name	-
11	-	-	-	Signal Name	-
12	-	-	-	Signal Name	-

Terminal No.	1	L	SWITCH OUT	Signal Name	SWITCH OUT
2	GR	IGNITION	STEERING HEATER SW	Signal Name	STEERING HEATER SW
3	G	400W OUTPUT INDICATOR	GROUND	Signal Name	GROUND
4	L	ILLUMINATION +	ILLUMINATION +	Signal Name	ILLUMINATION +
5	GR	ILLUMINATION +	ILLUMINATION +	Signal Name	ILLUMINATION +
6	GR	ILLUMINATION -	ILLUMINATION -	Signal Name	ILLUMINATION -
7	SB	IGNITION	INDICATOR POWER	Signal Name	INDICATOR POWER
8	-	-	150W OUTPUT INDICATOR	Signal Name	150W OUTPUT INDICATOR
9	-	-	-	Signal Name	-
10	-	-	-	Signal Name	-
11	-	-	-	Signal Name	-
12	-	-	-	Signal Name	-

Terminal No.	1	L	SWITCH OUT	Signal Name	SWITCH OUT
2	GR	IGNITION	STEERING HEATER SW	Signal Name	STEERING HEATER SW
3	G	400W OUTPUT INDICATOR	GROUND	Signal Name	GROUND
4	L	ILLUMINATION +	ILLUMINATION +	Signal Name	ILLUMINATION +
5	GR	ILLUMINATION +	ILLUMINATION +	Signal Name	ILLUMINATION +
6	GR	ILLUMINATION -	ILLUMINATION -	Signal Name	ILLUMINATION -
7	SB	IGNITION	INDICATOR POWER	Signal Name	INDICATOR POWER
8	-	-	150W OUTPUT INDICATOR	Signal Name	150W OUTPUT INDICATOR
9	-	-	-	Signal Name	-
10	-	-	-	Signal Name	-
11	-	-	-	Signal Name	-
12	-	-	-	Signal Name	-

Terminal No.	1	L	SWITCH OUT	Signal Name	SWITCH OUT
2	GR	IGNITION	STEERING HEATER SW	Signal Name	STEERING HEATER SW
3	G	400W OUTPUT INDICATOR	GROUND	Signal Name	GROUND
4	L	ILLUMINATION +	ILLUMINATION +	Signal Name	ILLUMINATION +
5	GR	ILLUMINATION +	ILLUMINATION +	Signal Name	ILLUMINATION +
6	GR	ILLUMINATION -	ILLUMINATION -	Signal Name	ILLUMINATION -
7	SB	IGNITION	INDICATOR POWER	Signal Name	INDICATOR POWER
8	-	-	150W OUTPUT INDICATOR	Signal Name	150W OUTPUT INDICATOR
9	-	-	-	Signal Name	-
10	-	-	-	Signal Name	-
11	-	-	-	Signal Name	-
12	-	-	-	Signal Name	-

Terminal No.	1	P/L	CARGO LAMP SW	Signal Name	CARGO LAMP SW
2	GR	ILLUMINATION -	ILLUMINATION -	Signal Name	ILLUMINATION -
3	B	GND	GND	Signal Name	GND
4	L	ILLUMINATION +	ILLUMINATION +	Signal Name	ILLUMINATION +
5	-	-	-	Signal Name	-
6	-	-	-	Signal Name	-
7	Y	IGNITION	IGNITION	Signal Name	IGNITION
8	LG	HEATED SEAT SWITCH OUTPUT (LOW)	HEATED SEAT SWITCH OUTPUT (LOW)	Signal Name	HEATED SEAT SWITCH OUTPUT (LOW)
9	LG	HEATED SEAT SWITCH OUTPUT (HIGH)	HEATED SEAT SWITCH OUTPUT (HIGH)	Signal Name	HEATED SEAT SWITCH OUTPUT (HIGH)
10	B	GROUND	GROUND	Signal Name	GROUND

Terminal No.	1	L	ILLUMINATION +	Signal Name	ILLUMINATION +
2	-	-	-	Signal Name	-
3	-	-	-	Signal Name	-
4	GR	ILLUMINATION -	ILLUMINATION -	Signal Name	ILLUMINATION -
5	-	-	-	Signal Name	-
6	G	VDC OFF	VDC OFF	Signal Name	VDC OFF
7	-	-	-	Signal Name	-
8	B	GND	GND	Signal Name	GND

Terminal No.	1	GR	4WD SHIFT SW	Signal Name	4WD SHIFT SW
2	-	-	-	Signal Name	-
3	Y/R	4WD SHIFT SW	4WD SHIFT SW	Signal Name	4WD SHIFT SW
4	GR	2WD MODE SW	2WD MODE SW	Signal Name	2WD MODE SW
5	-	-	-	Signal Name	-
6	O	4H MODE SW	4H MODE SW	Signal Name	4H MODE SW
7	R	4LO MODE SW	4LO MODE SW	Signal Name	4LO MODE SW
8	L	ILLUMINATION +	ILLUMINATION +	Signal Name	ILLUMINATION +

A B C D E F G H I J K L M N O P Q R S T U V Z INL

# ILLUMINATION

## < WIRING DIAGRAM >

### ILLUMINATION CONNECTORS

Connector No.	Color of Wire	Signal Name
1	B	GND (ILL)
2	B	GND (CIRCUIT)
3	B	GND (POWER)
4	-	-
5	-	-
6	R	BAT
7	V	SECURITY
8	W	IGN
9	BG	AS BELT SW (W/O ODS)
10	LG	TOW MODE SW
11	BR	CHG
12	B	SATELLITE SW GND
13	B	STRG SW GND
14	R	ACC
15	W	OUTSIDE TEMP SENSOR
16	O	AIR BAG
17	-	-
18	P	TRIP RESET SW
19	-	-
20	R	OUTSIDE TEMP GND
21	-	-
22	P	STRG SW A
23	R	STRG SW B
24	W	WASHER SW
25	-	-
26	G	PKG SW
27	P/L	AS BELT SW (WITH ODS)
28	O/B	DR BELT SW
29	-	-
30	YV	FUEL SENSOR GND
31	BR/Y	FUEL SENSOR
32	BR	AT SHIFT UP
33	V/W	AT SHIFT DOWN
34	L	CAN-H
35	P	CAN-L
36	W	ILL UP SW
37	R	ILL DOWN SW
38	G	8PR OUTPUT

Connector No.	Color of Wire	Signal Name
1	B	ILL CONT OUT
2	GR	-
3	-	-
4	-	-
5	-	-
6	-	-
7	-	-
8	-	-
9	-	-
10	-	-
11	-	-
12	-	-
13	-	-
14	-	-
15	-	-
16	-	-
17	-	-
18	-	-
19	B	SHIELD
20	B	GROUND
21	B	GROUND
22	B	GROUND
23	B	GROUND
24	B	GROUND

Connector No.	Color of Wire	Signal Name
1	B	ILL CONT OUT
2	GR	-
3	-	-
4	-	-
5	-	-
6	-	-
7	-	-
8	-	-
9	-	-
10	-	-
11	-	-
12	-	-
13	-	-
14	-	-
15	-	-
16	-	-
17	-	-
18	-	-
19	B	SHIELD
20	B	GROUND
21	B	GROUND
22	B	GROUND
23	B	GROUND
24	B	GROUND

Terminal No.	Color of Wire	Signal Name
1	B	ILL (-)
2	-	-
3	L	ILL (+)
4	FR SP RH+	FR SP LH+
5	FR SP LH+	FR SP RH+
6	SB	RR SP LH+
7	B/Y	RR SP RH+
8	P	STRG SW A (WITH TYPE B METER)
9	R	ACC
10	-	-
11	W/B	FR SP RH+
12	L/B	RR SP RH+
13	O/L	RR SP RH+
14	R/L	RR SP RH-
15	B	STRG SW GND (WITH TYPE B METER)
16	R	STRG SW B (WITH TYPE B METER)
17	-	-
18	G	SPEED SIGNAL
19	W	BAT
20	B	GND

Terminal No.	Color of Wire	Signal Name
1	B	GROUND
2	BR	TRAILER BRAKE
3	L	ILLUMINATION +
4	GR	ILLUMINATION -
5	G	IGNITION
6	R	BATTERY
7	R/G	STOP LAMP OUT

Terminal No.	Color of Wire	Signal Name
1	B	GROUND
2	BR/W	TRAILER BRAKE
3	L	ILLUMINATION +
4	GR	ILLUMINATION -
5	G	IGNITION
6	R	BATTERY
7	R/G	STOP LAMP OUT

# ILLUMINATION

## < WIRING DIAGRAM >

### ILLUMINATION CONNECTORS

Connector No.	Signal Name	Terminal No.	Color of Wire	Signal Name	Terminal No.	Color of Wire	Signal Name
M192	GROUND	1	B	ILLUMINATION +	1	GR	ILLUMINATION -
	GROUND	2	B	ILLUMINATION +	2	GR	ILLUMINATION -
	GROUND	3	B	ILLUMINATION +	3	GR	ILLUMINATION -
	-	4	B	ILLUMINATION +	4	GR	ILLUMINATION -
	GROUND	5	B	ILLUMINATION +	5	GR	ILLUMINATION -
	GROUND	6	B	ILLUMINATION +	6	GR	ILLUMINATION -
	GROUND	7	B	ILLUMINATION +	7	GR	ILLUMINATION -
	GROUND	8	B	ILLUMINATION +	8	GR	ILLUMINATION -
	GROUND	9	B	ILLUMINATION +	9	GR	ILLUMINATION -
	GROUND	10	B	ILLUMINATION +	10	GR	ILLUMINATION -
	GROUND	11	B	ILLUMINATION +	11	GR	ILLUMINATION -
	GROUND	12	B	ILLUMINATION +	12	GR	ILLUMINATION -
	-	13	B	ILLUMINATION +	13	GR	ILLUMINATION -
	GROUND	14	B	ILLUMINATION +	14	GR	ILLUMINATION -
	GROUND	15	B	ILLUMINATION +	15	GR	ILLUMINATION -
	GROUND	16	B	ILLUMINATION +	16	GR	ILLUMINATION -
	-	17	B	ILLUMINATION +	17	GR	ILLUMINATION -
	SHIELD	18	B	ILLUMINATION +	18	GR	ILLUMINATION -
	SHIELD	19	B	ILLUMINATION +	19	GR	ILLUMINATION -
	SHIELD	20	B	ILLUMINATION +	20	GR	ILLUMINATION -
	GROUND	21	B	ILLUMINATION +	21	GR	ILLUMINATION -
	GROUND	22	B	ILLUMINATION +	22	GR	ILLUMINATION -
	GROUND	23	B	ILLUMINATION +	23	GR	ILLUMINATION -
	GROUND	24	B	ILLUMINATION +	24	GR	ILLUMINATION -

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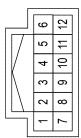
# ILLUMINATION

< WIRING DIAGRAM >

## ILLUMINATION CONNECTORS

Connector No.	R1	Connector No.	R13
Connector Name	WIRE TO WIRE	Connector Name	FRONT ROOM/MAP LAMP ASSEMBLY (WITH FRONT ROOF CONSOLE)
Connector Type	TH32NW-NH	Connector Type	TH12FW-NH
Connector Color	WHITE	Connector Color	WHITE





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	Terminal No.	Color of Wire	Signal Name	Terminal No.	Color of Wire	Signal Name
1	SHIELD	TO MAIN HARNESS	1	R/G	BATTERY SAVER +	1	G	SWITCH OUTPUT (CLOSE)
2	R	TO MAIN HARNESS	2	-	-	2	GR	ILLUMINATION -
3	W	TO MAIN HARNESS	3	-	-	3	B	GROUND
4	Y/R	TO MAIN HARNESS	4	L	ROOM LAMP CONT	4	L	ILLUMINATION +
5	G/W	TO MAIN HARNESS	5	L	ILLUMINATION +	5	L/W	SWITCH OUTPUT (OPEN)
6	G/R	TO MAIN HARNESS	6	-	-	6	-	-
7	B	TO MAIN HARNESS	7	B	GND			
8	L	TO MAIN HARNESS	8	GR	ILLUMINATION -			
9	R/G	TO MAIN HARNESS	9	-	-			
10	G	TO MAIN HARNESS	10	-	-			
11	L/W	TO MAIN HARNESS	11	-	-			
12	L	TO MAIN HARNESS	12	-	-			
13	GR	TO MAIN HARNESS	13	-	-			
14	R	TO MAIN HARNESS	14	-	-			
15	W/B	TO MAIN HARNESS	15	-	-			
16	L/B	TO MAIN HARNESS	16	-	-			
17	-	TO MAIN HARNESS	17	-	-			
18	P	TO MAIN HARNESS	18	-	-			
19	W/L	TO MAIN HARNESS	19	-	-			
20	W/B	TO MAIN HARNESS	20	-	-			
21	-	TO MAIN HARNESS	21	-	-			
22	-	TO MAIN HARNESS	22	-	-			
23	-	TO MAIN HARNESS	23	-	-			
24	-	TO MAIN HARNESS	24	-	-			
25	-	TO MAIN HARNESS	25	-	-			
26	-	TO MAIN HARNESS	26	-	-			
27	-	TO MAIN HARNESS	27	-	-			
28	Y/R	TO MAIN HARNESS	28	-	-			
29	G/R	TO MAIN HARNESS	29	-	-			
30	G/W	TO MAIN HARNESS	30	-	-			
31	L/G/B	TO MAIN HARNESS	31	-	-			
32	Y/N	TO MAIN HARNESS	32	-	-			

Terminal No.	Color of Wire	Signal Name	Terminal No.	Color of Wire	Signal Name	Terminal No.	Color of Wire	Signal Name
1	R/G	BATTERY SAVER +	1	G	SWITCH OUTPUT (CLOSE)			
2	-	-	2	GR	ILLUMINATION -			
3	-	-	3	B	GROUND			
4	L	ROOM LAMP CONT	4	L	ILLUMINATION +			
5	L	ILLUMINATION +	5	L/W	SWITCH OUTPUT (OPEN)			
6	-	-	6	-	-			
7	B	GND	7	GR	ILLUMINATION -			
8	GR	ILLUMINATION -	8	-	-			
9	-	-	9	-	-			
10	-	-	10	-	-			
11	-	-	11	-	-			
12	-	-	12	-	-			
13	-	-	13	-	-			
14	-	-	14	-	-			
15	-	-	15	-	-			
16	-	-	16	-	-			
17	-	-	17	-	-			
18	-	-	18	-	-			
19	-	-	19	-	-			
20	-	-	20	-	-			
21	-	-	21	-	-			
22	-	-	22	-	-			
23	-	-	23	-	-			
24	-	-	24	-	-			
25	-	-	25	-	-			
26	-	-	26	-	-			
27	-	-	27	-	-			
28	Y/R	TO MAIN HARNESS	28	-	-			
29	G/R	TO MAIN HARNESS	29	-	-			
30	G/W	TO MAIN HARNESS	30	-	-			
31	L/G/B	TO MAIN HARNESS	31	-	-			
32	Y/N	TO MAIN HARNESS	32	-	-			

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&lt; BASIC INSPECTION &gt;

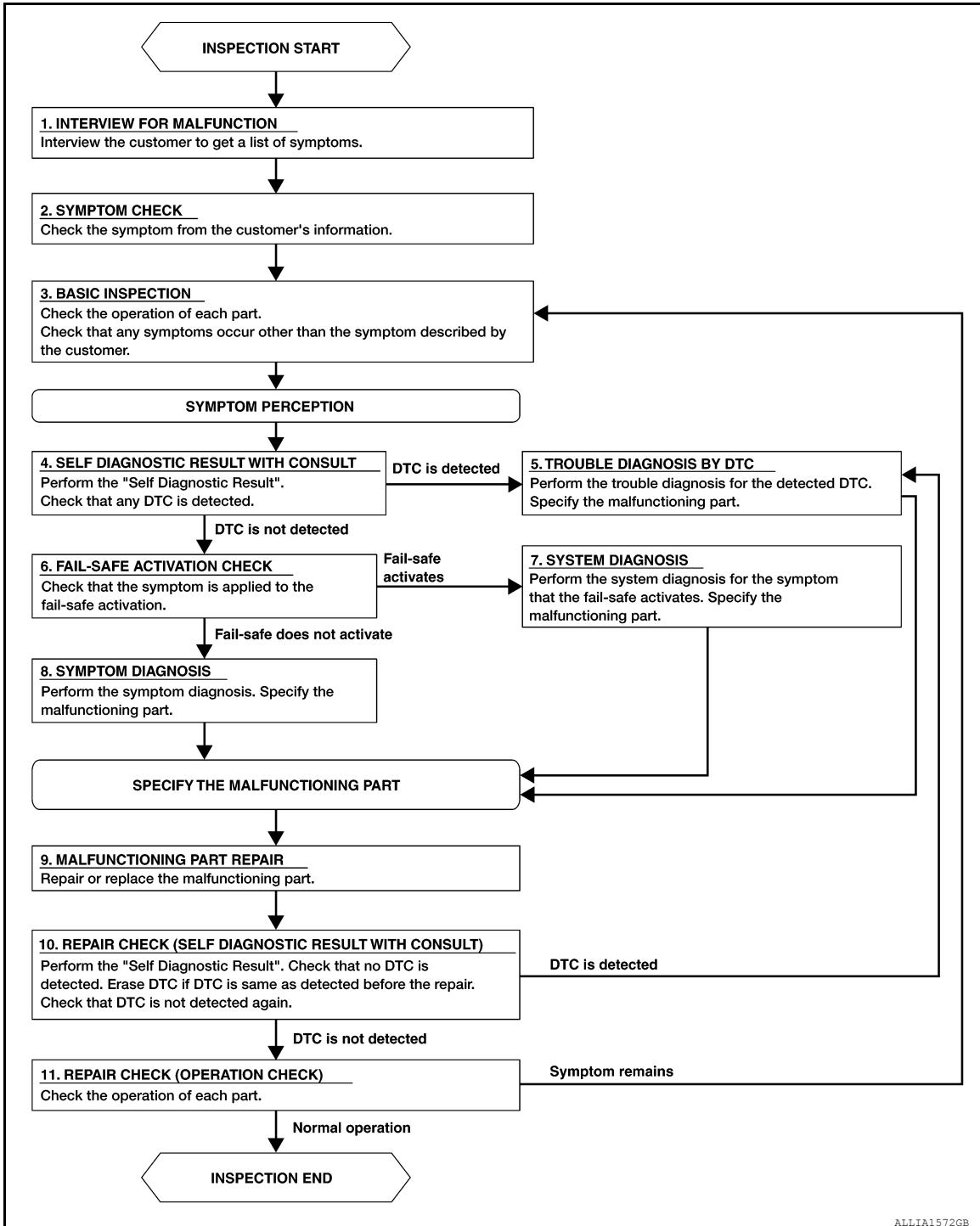
# BASIC INSPECTION

## DIAGNOSIS AND REPAIR WORKFLOW

### Work Flow

INFOID:00000001438922

### OVERALL SEQUENCE



### DETAILED FLOW

#### 1. INTERVIEW FOR MALFUNCTION

Find out what the customer's concerns are.

# DIAGNOSIS AND REPAIR WORKFLOW

< BASIC INSPECTION >

>> 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 DIAGNOSTIC RESULT WITH CONSULT

Perform the "Self Diagnostic Result" 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-67, "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 DIAGNOSTIC RESULT WITH CONSULT)

Perform the "Self Diagnostic Result" with CONSULT. Verified 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

## DIAGNOSIS AND REPAIR WORKFLOW

< BASIC INSPECTION >

NO    >> GO TO 3.

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# POWER SUPPLY AND GROUND CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

## DTC/CIRCUIT DIAGNOSIS

### POWER SUPPLY AND GROUND CIRCUIT

#### Diagnosis Procedure

INFOID:000000014692708

Regarding Wiring Diagram information, refer to [BCS-54, "Wiring Diagram".](#)

#### 1. CHECK FUSE AND FUSIBLE LINK

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

Signal name	Fuse and fusible link No.	
	Cummins 5.0L	VK56VD
Fusible link battery power	R (50A)	N (50A)
BCM battery fuse	1 (10A)	1 (10A)

Is the fuse or fusible link blown?

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

#### 2. CHECK POWER SUPPLY CIRCUIT

1. Disconnect BCM connector M81.
2. Check voltage between BCM connector M81 terminals 131, 139 and ground.

BCM		Ground	Voltage (Approx.)
Connector	Terminal		
M81	131	(-)	Battery voltage
	139		

Is the inspection result normal?

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

#### 3. CHECK GROUND CIRCUIT

Check continuity between BCM connector M81 terminals 134, 143 and ground.

BCM		Ground	Continuity
Connector	Terminal		
M81	134	—	Yes
	143		

Is the inspection result normal?

YES >> Inspection End.  
NO >> Repair or replace harness or connectors.

# BATTERY SAVER OUTPUT/POWER SUPPLY CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

## BATTERY SAVER OUTPUT/POWER SUPPLY CIRCUIT

### Description

INFOID:0000000014388924

Provides the battery saver output/power supply. Cuts the power supply when the interior room lamp battery saver is activating.

### Component Function Check

INFOID:0000000014388925

#### 1. CHECK BATTERY SAVER OUTPUT/POWER SUPPLY FUNCTION

##### CONSULT

1. Turn ignition switch ON.
2. Turn interior room lamp ON.
- Front room/map lamp assembly (with front roof console) (if equipped)
- Front room/map lamp assembly (without front roof console) (if equipped)
- Personal lamp
3. Select "Battery Saver" in "Active Test" mode of "BCM".
4. While operating the test item, check that interior room lamp turns ON/OFF.

**OFF** : Interior room lamp OFF

**ON** : Interior room lamp ON

##### Is the inspection result normal?

YES >> Battery saver output/power supply circuit is normal.

NO >> Refer to [INL-55, "Diagnosis Procedure"](#).

### Diagnosis Procedure

INFOID:0000000014388926

Regarding Wiring Diagram information, refer to [INL-14, "Wiring Diagram"](#).

#### 1. CHECK BATTERY SAVER OUTPUT/POWER SUPPLY OUTPUT

##### CONSULT

1. Turn ignition switch ON.
2. Select "Battery Saver" in "Active Test" mode of "BCM".
3. While operating the test item, check voltage between BCM connector M81 terminal 129 and ground.

BCM		(-)	Test item	Voltage (Approx.)	
Connector	Terminal			Off	On
M81	129	Ground	BATTERY SAVER	0V	Battery voltage

##### Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace BCM after making sure the battery saver output/power supply circuit is not shorted to voltage. Refer to [BCS-79, "Removal and Installation"](#).

#### 2. CHECK BATTERY SAVER OUTPUT/POWER SUPPLY OPEN CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect the following connectors.
  - BCM M81
  - Door mirror LH (with puddle lamps) (if equipped) D4
  - Door mirror RH (with puddle lamps) (if equipped) D107
  - Front room/map lamp assembly (with front roof console) (if equipped) R13
  - Front room/map lamp assembly (without front roof console) (if equipped) R14
  - Vanity lamp LH (if equipped) R3

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## BATTERY SAVER OUTPUT/POWER SUPPLY CIRCUIT

### < DTC/CIRCUIT DIAGNOSIS >

- Vanity lamp RH (if equipped) R8
- Front foot lamp LH (if equipped) M93
- Front foot lamp RH (if equipped) M92
- Personal lamp R11

3. Check continuity between BCM connector M81 terminal 129 and each interior room lamp connector.

BCM		Each interior room lamp			Continuity
Connector	Terminal	Connector	Terminal		
M81	129	Door mirror LH (with puddle lamps) (if equipped)	D4	21	Yes
		Door mirror RH (with puddle lamps) (if equipped)	D107	21	
		Front room/map lamp assembly (with front roof console) (if equipped)	R13	1	
		Front room/map lamp assembly (without front roof console) (if equipped)	R14	1	
		Vanity lamp LH (if equipped)	R3	1	
		Vanity lamp RH (if equipped)	R8	1	
		Front foot lamp LH (if equipped)	M93	1	
		Front foot lamp RH (if equipped)	M92	1	
		Personal lamp	R11	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 connector M81 terminal 129 and ground.

BCM		(-)	Continuity
Connector	Terminal		
M81	129	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

< DTC/CIRCUIT DIAGNOSIS >

## INTERIOR ROOM LAMP CONTROL CIRCUIT

### Description

INFOID:0000000014388927

Controls the following interior room lamps (ground side) by pulse width modulated signal

- Door mirrors (with puddle lamps) (if equipped)
- Front room/map lamp assembly (with front roof console) (if equipped)
- Front room/map lamp assembly (without front roof console) (if equipped)
- Personal lamp

### Component Function Check

INFOID:0000000014388928

#### CAUTION:

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

- **Battery saver output/power supply**
- **Puddle lamp bulbs (if equipped)**
- **Front room/map lamp assembly bulbs (with front roof console) (if equipped)**
- **Front room/map lamp assembly bulbs (without front roof console) (if equipped)**
- **Personal lamp bulb**

### 1. CHECK INTERIOR ROOM LAMP CONTROL FUNCTION

#### ① CONSULT

1. Switch the front room/map lamp assembly (with front roof console) (if equipped), front room/map lamp assembly (without front roof console) (if equipped) and personal lamp switch to DOOR.
2. Turn ignition switch ON.
3. Select "INT LAMP" in "Active Test" mode of "BCM".
4. While operating the test item, check that each interior room lamp turns ON/OFF.

**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-57, "Diagnosis Procedure"](#).

### Diagnosis Procedure

INFOID:0000000014388929

Regarding Wiring Diagram information, refer to [INL-14, "Wiring Diagram"](#).

### 1. CHECK INTERIOR ROOM LAMP CONTROL OUTPUT

#### ① CONSULT

1. Switch the front room/map lamp assembly and personal lamp switch to DOOR.
2. Turn ignition switch ON.
3. Select "INT LAMP" in "Active Test" mode of "BCM".
4. While operating the test item, check voltage between BCM connector M81 terminal 136 and ground.

BCM		(-)	Test item	Voltage (Approx.)	
(+)				On	Off
Connector	Terminal	Ground	INT LAMP	On	0V
M81	136			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.

# INTERIOR ROOM LAMP CONTROL CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

## 2. CHECK INTERIOR ROOM LAMP CONTROL OPEN CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect BCM connector M81, door mirror connectors D4 and D107 (with puddle lamps) (if equipped), front room/map lamp assembly connector R13 (with front roof console) or front room/map lamp assembly connector R14 (without front roof console) and personal lamp connector R11.
3. Check continuity between BCM connector M81 terminal 136 and door mirror connectors D4 and D107 terminal 22 (with puddle lamps) (if equipped), front room/map lamp assembly connector R13 terminal 4 (with front roof console) or front room/map lamp assembly connector R14 terminal 3 (without front roof console) and personal lamp connector R11 terminal 3.

BCM		Each interior room lamp			Continuity
Connector	Terminal	Connector		Terminal	
M81	136	Door mirror LH (puddle lamps) (if equipped)	D4	22	Yes
		Door mirror RH (puddle lamps) (if equipped)	D107	22	
		Front room/map lamp assembly (with front roof console)	R13	4	
		Front room/map lamp assembly (without front roof console)	R14	3	
		Personal lamp	R11	3	

Is the inspection result normal?

YES >> Check interior room lamps for an open circuit. If OK, replace BCM. Refer to [BCS-79, "Removal and Installation"](#). If open circuit is found, replace interior room lamp. Refer to [INL-68, "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 connector M81, door mirror connectors D4 and D107 (with puddle lamps) (if equipped), front room/map lamp assembly connector R13 (with front roof console) or front room/map lamp assembly connector R14 (without front roof console) and personal lamp connector R11.
3. Check continuity between BCM connector M81 terminal 136 and ground.

BCM		(-)	Continuity
Connector	Terminal		
M81	136	Ground	No

Is the inspection result normal?

YES >> Check interior room lamps for a short circuit. If OK, replace BCM. Refer to [BCS-79, "Removal and Installation"](#). If short is found, replace interior room lamp. Refer to [INL-68, "Removal and Installation"](#).

NO >> Repair the harness or connectors.

# CARGO LAMP CONTROL CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

## CARGO LAMP CONTROL CIRCUIT

### Description

INFOID:0000000014388930

The BCM controls ground to the cargo lamp relay to turn the cargo lamp, tailgate cargo lamps (if equipped) and bed lamps (if equipped) ON and OFF.

### Diagnosis Procedure

INFOID:0000000014388931

Regarding Wiring Diagram information, refer to [INL-14, "Wiring Diagram"](#).

#### CAUTION:

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

- **Fuse**
- **Cargo lamp bulb**
- **Tailgate cargo lamp bulbs (if equipped)**
- **Bed lamp bulbs (if equipped)**

#### 1. CHECK CARGO LAMP OPERATION

Check the cargo lamp, tailgate cargo lamps (if equipped) and bed lamps (if equipped) operation from the cargo lamp switch, the door switches, and a keyfob.

Is the cargo lamp, tailgate cargo lamps (if equipped) and bed lamps (if equipped) inoperative from all of the above switches and the keyfob?

YES >> GO TO 4.

NO >> • Inoperative from cargo lamp switch only, GO TO 2.

• Inoperative from door switches only, refer to [DLK-98, "Diagnosis Procedure"](#).

• Inoperative from keyfob only, refer to [DLK-118, "Component Function Check"](#).

#### 2. CHECK CARGO LAMP SWITCH

Check the cargo lamp switch. Refer to [INL-61, "Component Inspection"](#).

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace the cargo lamp switch.

#### 3. CHECK CARGO LAMP SWITCH CIRCUIT

1. Disconnect BCM connector M20 and cargo lamp switch connector.
2. Check continuity between BCM connector M20 terminal 97 and cargo lamp switch connector M149 terminal 1.

INL

BCM		Cargo lamp switch		Continuity
Connector	Terminal	Connector	Terminal	
M20	97	M149	1	Yes

3. Check continuity between BCM connector M20 terminal 97 and ground.

BCM		(-)	Continuity
Connector	Terminal		
M20	97	Ground	No

Is the inspection result normal?

YES >> Replace BCM. Refer to [BCS-79, "Removal and Installation"](#).

NO >> Repair harness or connectors.

#### 4. CHECK CARGO LAMP RELAY

Check the cargo lamp relay. Refer to [INL-61, "Component Inspection"](#).

Is the inspection result normal?

## CARGO LAMP CONTROL CIRCUIT

### < DTC/CIRCUIT DIAGNOSIS >

YES >> GO TO 5.

NO >> Replace the cargo lamp relay.

### 5. CHECK CARGO LAMP RELAY CONTROL

While operating the cargo lamp switch, check voltage between BCM connector M19 terminal 42 and ground.

BCM		(-)	Condition		Voltage (Approx.)
Connector	Terminal		Cargo lamp switch	ON	
M19	42	Ground		OFF	Battery voltage

#### Is the inspection result normal?

YES >> GO TO 6.

NO >> GO TO 8.

### 6. CHECK CARGO LAMP, TAILGATE CARGO LAMPS (IF EQUIPPED) AND BED LAMPS (IF EQUIPPED) VOLTAGE

1. Disconnect the cargo lamp connector, the tailgate cargo lamp connectors (if equipped) and bed lamp connectors (if equipped).
2. While operating the cargo lamp switch, check voltage between cargo lamp connector B11 terminal 2 and ground, the tailgate cargo lamp connectors C13 and C14 terminal 3 and ground and the bed lamp connectors C24, C25, C26 and C27 terminal 1 and ground.

Each cargo lamp		(-)	Condition		Voltage (Approx.)
Connector	Terminal		Cargo lamp switch	ON	
B11	2	Ground	Cargo lamp switch	ON	Battery voltage
C13	3				
C14	3				
C24	1				
C25	1				
C26	1				
C27	1				

#### Is the inspection result normal?

YES >> Replace cargo lamp, tailgate cargo lamp (if equipped) or bed lamp (if equipped). Refer to [EXL-144, "Removal and Installation"](#), [INL-75, "Removal and Installation"](#) (if equipped) or [INL-75, "Removal and Installation"](#) (if equipped).

NO >> GO TO 7.

### 7. CHECK CARGO LAMP RELAY VOLTAGE PART 1

Check voltage between cargo lamp relay connector M150 terminal 5 and ground.

Cargo lamp relay		(-)	Condition		Voltage (Approx.)
Connector	Terminal		Cargo lamp switch	ON	
M150	5	Ground			Battery voltage

#### Is the inspection result normal?

YES >> Repair harness or connectors between cargo lamp relay and cargo lamp.

NO >> Repair harness or connector between splice and cargo lamp relay.

### 8. CHECK CARGO LAMP RELAY VOLTAGE PART 2

Check voltage between cargo lamp relay connector M150 terminal 2 and ground.

# CARGO LAMP CONTROL CIRCUIT

## < DTC/CIRCUIT DIAGNOSIS >

Cargo lamp relay		(-)	Voltage (Approx.)
Connector	Terminal		
M150	2	Ground	Battery voltage

Is the inspection result normal?

YES >> GO TO 9.

NO >> Repair harness or connectors.

## 9.CHECK CARGO LAMP RELAY CONTROL CIRCUIT

1. Disconnect BCM connector M19 and cargo lamp relay connector M150.
2. Check continuity between BCM connector M19 terminal 42 and cargo lamp relay connector M150 terminal 1.

BCM		Cargo lamp relay		Continuity
Connector	Terminal	Connector	Terminal	
M19	42	M150	1	Yes

3. Check continuity between BCM connector M19 terminal 42 and ground.

BCM		(-)	Continuity
Connector	Terminal		
M19	42	Ground	No

Is the inspection result normal?

YES >> Replace BCM. Refer to [BCS-79, "Removal and Installation"](#).

NO >> Repair harness or connectors.

## Component Inspection

INFOID:000000014388932

### CARGO LAMP SWITCH

#### 1.CHECK CARGO LAMP SWITCH

1. Turn ignition switch OFF.
2. Disconnect cargo lamp switch harness connector.
3. Check continuity between cargo lamp switch terminals.

Cargo lamp switch	Condition	Continuity
Terminals		
1 – 3	ON	Yes
	OFF	No

Is the inspection result normal?

YES >> Inspection End.

NO >> Replace cargo lamp switch. Refer to [INL-76, "Removal and Installation"](#).

### CARGO LAMP RELAY

#### 1.CHECK CARGO LAMP RELAY

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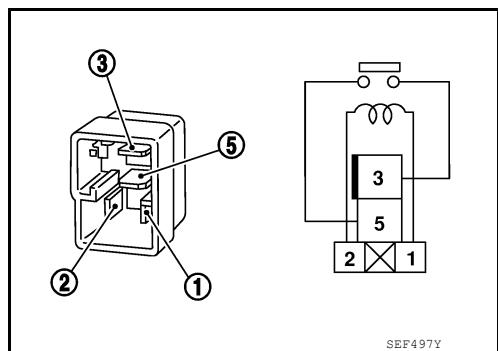
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## CARGO LAMP CONTROL CIRCUIT

### < DTC/CIRCUIT DIAGNOSIS >

1. Turn ignition switch OFF.
2. Disconnect cargo lamp relay harness connector.
3. Supply power to terminal 2 and ground to terminal 1 of the cargo lamp relay.
4. Check continuity between cargo lamp relay terminals 3 and 5.

Cargo lamp relay		Condition	Continuity
Terminal			
3	5	Power and ground supplied to terminals 1 and 2	Yes
		No power and ground supplied	No



Is the inspection result normal?

YES >> Inspection End.

NO >> Replace cargo lamp relay.

# FOOT LAMP CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

## FOOT LAMP CIRCUIT

### Component Function Check

INFOID:000000014388933

#### CAUTION:

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

- Battery saver output/power supply
- Foot lamp bulbs

#### 1. CHECK FOOT LAMP OPERATION

##### CONSULT

1. Turn ignition switch ON.
2. Select "STEP LAMP TEST" in "Active Test" mode of "BCM".
3. While operating the test items, check that foot lamp turns ON/OFF.

On : Foot lamp ON

Off : Foot lamp OFF

Is the inspection result normal?

YES >> Foot lamp circuit is normal.

NO >> Refer to [INL-63, "Diagnosis Procedure"](#).

### Diagnosis Procedure

INFOID:000000014388934

Regarding Wiring Diagram information, refer to [INL-14, "Wiring Diagram"](#).

#### 1. CHECK FOOT LAMP OUTPUT

##### CONSULT

1. Turn ignition switch ON.
2. Select "STEP LAMP TEST" in "Active Test" "BCM".
3. While operating the test item, check voltage between BCM harness connector M18 terminal 21 and ground.

BCM		(-)	Test item		Voltage (Approx.)
Connector	Terminal		STEP LAMP TEST	On	
M18	21	Ground	STEP LAMP TEST	On	0V
				Off	Battery voltage

Is the inspection result normal?

YES >> Foot lamp control circuit is operating normally.

Fixed ON>>GO TO 3.

Fixed OFF>>GO TO 2.

#### 2. CHECK FOOT LAMP OPEN CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect the following harness connectors:
  - BCM M18
  - Foot lamp LH M93
  - Foot lamp RH M92
3. Check continuity between BCM harness connector and the following lamp harness connector terminal:

BCM		Foot lamp			Continuity
Connector	Terminal	Connector	Terminal		
M18	21	Foot lamp LH	M93	2	Yes
		Foot lamp RH	M92	2	

Is the inspection result normal?

## FOOT LAMP CIRCUIT

### < DTC/CIRCUIT DIAGNOSIS >

YES >> Check foot lamp for an open circuit. If open circuit is found, replace lamp in question. Refer to [INL-74, "Removal and Installation"](#) or [INL-74, "Bulb Replacement"](#). If OK, replace BCM. Refer to [BCS-79, "Removal and Installation"](#).

NO >> Repair or replace harness or connectors.

### 3. CHECK FOOT LAMP SHORT CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect the following harness connectors:
  - BCM M18
  - Foot lamp LH M93
  - Foot lamp RH M92
3. Check continuity between BCM harness connector M18 terminal 21 and ground.

BCM		(-)	Continuity
Connector	Terminal		
M18	21	Ground	No

#### Is the inspection result normal?

YES >> Replace BCM. Refer to [BCS-79, "Removal and Installation"](#).

NO >> Repair or replace harness or connectors.

# PUSH-BUTTON IGNITION SWITCH ILLUMINATION CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

## PUSH-BUTTON IGNITION SWITCH ILLUMINATION CIRCUIT

### Description

INFOID:00000001438935

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

### Component Function Check

INFOID:00000001438936

#### 1. CHECK PUSH-BUTTON IGNITION SWITCH ILLUMINATION OPERATION

##### CONSULT

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

On : Push-button ignition switch illumination ON

Off : Push-button ignition switch illumination OFF

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

YES >> Push-button ignition switch illumination circuit is normal.

NO >> Refer to [INL-65, "Diagnosis Procedure"](#).

### Diagnosis Procedure

INFOID:00000001438937

Regarding Wiring Diagram information, refer to [INL-33, "Wiring Diagram"](#).

#### 1. CHECK PUSH-BUTTON IGNITION SWITCH ILLUMINATION OPERATION

##### CONSULT

1. Turn the ignition switch ON.
2. Select "ENGINE SW ILLUMI" in "Active Test" mode of "BCM".
3. While operating the test item, check voltage between push-button ignition switch connector M46 terminal 5 and ground.

(+) Push-button ignition switch		(-)	Test item		Voltage (Approx.)
Connector	Terminal		ENGINE SW ILLUMI		
M46	5	Ground	ON	5V	
			OFF	0V	

Is the inspection result normal?

YES >> GO TO 4.

NO >> GO TO 2.

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

1. Turn the ignition switch OFF.
2. Disconnect BCM harness connector and the push-button ignition switch harness connector.
3. Check continuity between BCM harness connector M19 terminal 48 and the push-button ignition switch harness connector M46 terminal 5.

BCM		Push-button ignition switch		Continuity
Connector	Terminal	Connector	Terminal	
M19	48	M46	5	Yes

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace harness or connectors.

# PUSH-BUTTON IGNITION SWITCH ILLUMINATION CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

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

1. Turn the ignition switch OFF.
2. Disconnect BCM harness connector and the push-button ignition switch harness connector.
3. Check continuity between BCM harness connector M19 terminal 48 and ground.

BCM		(-)	Continuity
Connector	Terminal		
M19	48	Ground	No

Is the inspection result normal?

YES >> Replace BCM. Refer to [BCS-79, "Removal and Installation"](#).

NO >> Repair or replace harness or connectors.

## 4. CHECK PUSH-BUTTON IGNITION SWITCH ILLUMINATION GROUND CIRCUIT

1. Turn the ignition switch OFF.
2. Disconnect push-button ignition switch harness connector.
3. Check continuity between push-button ignition switch harness connector M46 terminal 6 and ground.

Push-button ignition switch		(-)	Continuity
Connector	Terminal		
M46	6	Ground	Yes

Is the inspection result normal?

YES >> Replace push-button ignition switch. Refer to [PCS-98, "Removal and Installation"](#).

NO >> GO TO 5.

## 5. CHECK PUSH-BUTTON IGNITION SWITCH ILLUMINATION GROUND OPEN CIRCUIT

1. Disconnect BCM harness connector and push-button ignition switch harness connector.
2. Check continuity between BCM harness connector M80 terminal 107 and push-button ignition switch harness connector M46 terminal 6.

Push-button ignition switch		BCM		Continuity
Connector	Terminal	Connector	Terminal	
M46	6	M80	107	Yes

Is the inspection result normal?

YES >> Replace BCM. Refer to [BCS-79, "Removal and Installation"](#).

NO >> Repair or replace harness or connectors.

# INTERIOR LIGHTING SYSTEM SYMPTOMS

< SYMPTOM DIAGNOSIS >

## SYMPTOM DIAGNOSIS

### INTERIOR LIGHTING SYSTEM SYMPTOMS

#### Symptom Table

INFOID:00000001438938

**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 (with front roof console) (if equipped) • Front room/map lamp assembly (without front roof console) (if equipped) • Personal lamp • Vanity lamps (if equipped) • Puddle lamps (if equipped) • Front foot lamps (if equipped)	• Harness between BCM and each interior room lamp • BCM	Battery saver output/power supply circuit. Refer to <a href="#">INL-55, "Diagnosis Procedure"</a> .
Some or all of the following interior room lamps do not turn ON/OFF • Puddle lamps (if equipped) • Front room/map lamp assembly (with front roof console) (if equipped) • Front room/map lamp assembly (without front roof console) (if equipped) • Personal lamp	• Harness between BCM and each door switch • Harness between BCM and each interior room lamp • BCM	Door switch circuit. Refer to <a href="#">DLK-98, "Diagnosis Procedure"</a> .
Cargo lamp, tailgate cargo lamps (if equipped) and bed lamps (if equipped) do not turn ON/OFF	• Harness between BCM and cargo lamp relay • Harness between cargo lamp relay and cargo lamps • BCM • Cargo lamp relay	Interior room lamp control circuit. Refer to <a href="#">INL-57, "Diagnosis Procedure"</a> .
Interior room lamp timer does not activate. (It turns ON/ OFF when the door opens/closes.)	—	Check the interior room lamp setting. Refer to <a href="#">BCS-22, "INT LAMP : CONSULT Function (BCM - INT LAMP)"</a> .
Interior room lamp battery saver does not activate.	BCM	Check the interior room lamp battery saver setting. Refer to <a href="#">BCS-30, "BATTERY SAVER : CONSULT Function (BCM - BATTERY SAVER)"</a> .
Push-button ignition switch illumination does not illuminate.	• Harness between BCM and push-button ignition switch • BCM	Push-button ignition switch illumination circuit. Refer to <a href="#">INL-65, "Diagnosis Procedure"</a> .

## FRONT ROOM/MAP LAMP ASSEMBLY

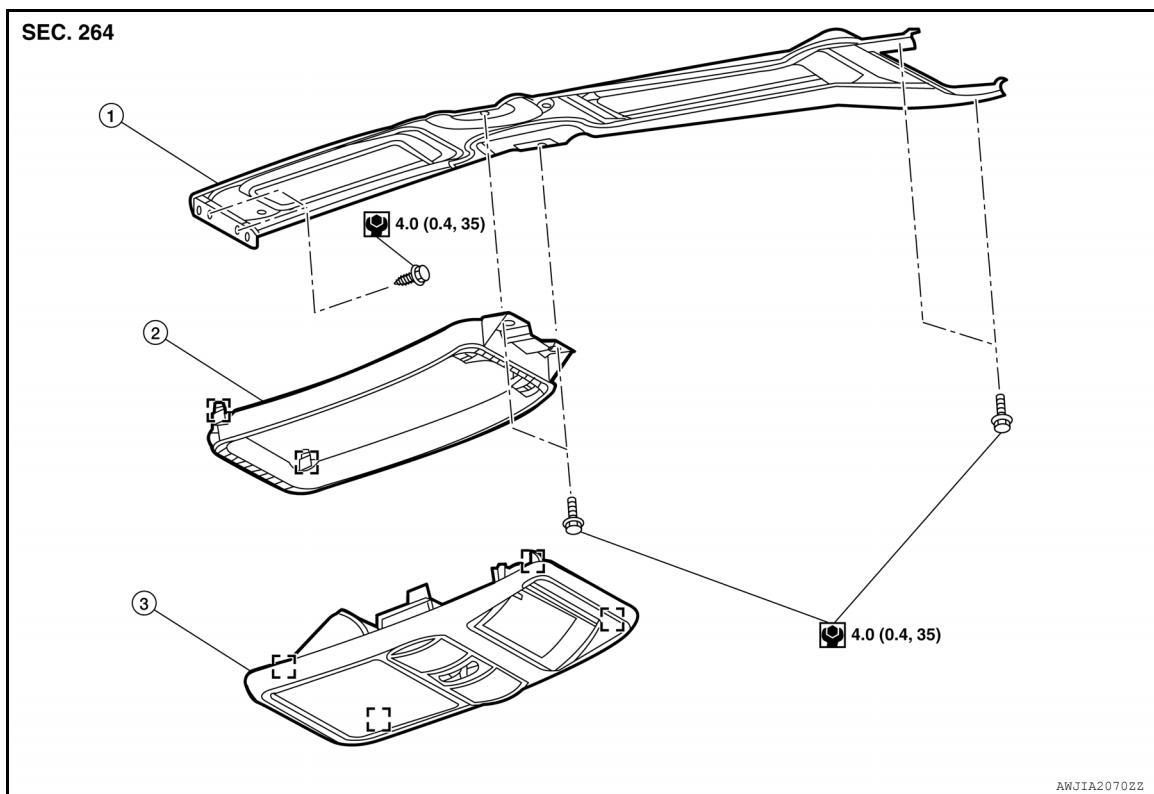
< REMOVAL AND INSTALLATION >

# REMOVAL AND INSTALLATION

## FRONT ROOM/MAP LAMP ASSEMBLY

### Exploded View

INFOID:0000000014388939



1. Front room/map lamp assembly brace
2. Front room/map lamp assembly bracket
3. Front room/map lamp assembly

Metal clip

### Removal and Installation

INFOID:0000000014388940

#### REMOVAL

1. Release metal clips and remove the front room/map lamp assembly.
2. Disconnect the harness connectors from the front room/map lamp assembly and remove.
3. Remove the headliner. Refer to [INT-32, "Removal and Installation"](#) (if necessary).
4. Remove the front room/map lamp bracket (if necessary).
5. Remove the front room/map lamp brace (if necessary).

#### INSTALLATION

Installation is in the reverse order of removal.

#### CAUTION:

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

#### Bulb Replacement

INFOID:0000000014388941

#### FRONT ROOM/MAP LAMP BULB

#### REMOVAL

#### WARNING:

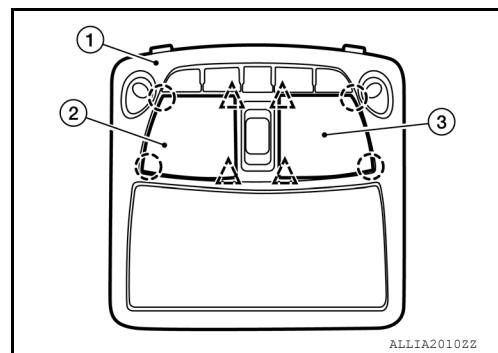
Do not touch bulb by hand while it is lit or right after being turned off. Burning may result.

## FRONT ROOM/MAP LAMP ASSEMBLY

### < REMOVAL AND INSTALLATION >

1. Remove front room/map lamp lens [LH (2)] or front room/map lamp lens [RH (3)] from front room/map lamp assembly (1).

◎ : Pawl  
△ : Clip



2. Remove front room/map lamp bulb.

### INSTALLATION

Installation is in the reverse order of removal.

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## VANITY MIRROR LAMP

< REMOVAL AND INSTALLATION >

### VANITY MIRROR LAMP

#### Removal and Installation

INFOID:000000001438942

The vanity mirror lamp is serviced as part of the sun visor. Refer to [INT-32, "Exploded View"](#).

# GLOVE BOX LAMP

< REMOVAL AND INSTALLATION >

## GLOVE BOX LAMP

### Removal and Installation

INFOID:000000001438943

The glove box lamp is not serviceable.

### Bulb Replacement

INFOID:000000001438944

#### GLOVE BOX LAMP BULB

##### REMOVAL

1. Remove glove box assembly and housing. Refer to [IP-21, "Removal and Installation"](#).
2. Rotate glove box lamp socket counterclockwise and remove.
3. Remove glove box lamp bulb from glove box lamp bulb socket.

##### INSTALLATION

Installation is in the reverse order of removal.

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# PERSONAL LAMP

< REMOVAL AND INSTALLATION >

## PERSONAL LAMP

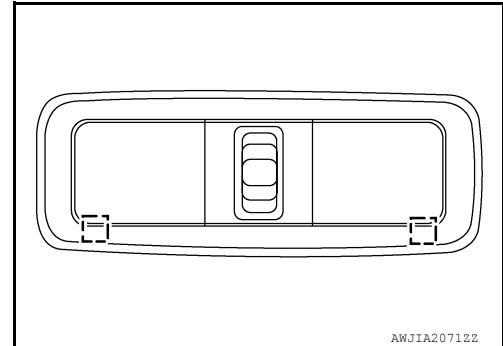
### Removal and Installation

INFOID:0000000014388945

#### REMOVAL

1. Release metal clips on the personal lamp.

[ ] : Metal clip



2. Disconnect the harness connector from the personal lamp and remove.

#### INSTALLATION

Installation is in the reverse order of removal.

### Bulb Replacement

INFOID:0000000014388946

#### PERSONAL LAMP

#### REMOVAL

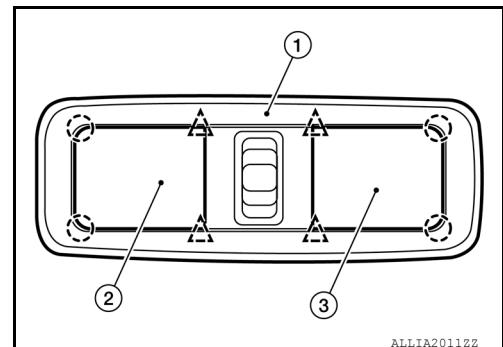
##### **WARNING:**

**Do not touch bulb by hand while it is lit or right after being turned off. Burning may result.**

1. Remove personal lamp lens [LH (2)] or personal lamp lens [RH (3)] from personal lamp (1).

(○) : Pawl

(△) : Clip



2. Remove personal lamp bulb.

#### INSTALLATION

Installation is in the reverse order of removal.

# METER CONTROL SWITCH

< REMOVAL AND INSTALLATION >

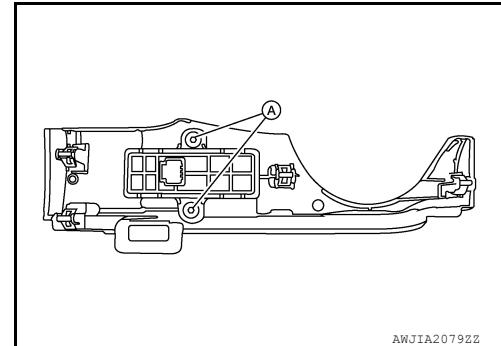
## METER CONTROL SWITCH

### Removal and Installation

INFOID:000000001438947

#### REMOVAL

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



#### INSTALLATION

Installation is in the reverse order of removal.

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## FOOT LAMP

< REMOVAL AND INSTALLATION >

### FOOT LAMP

#### Removal and Installation

INFOID:000000014388948

##### FOOT LAMP LH

The foot lamp (LH) is not serviceable.

##### Foot Lamp RH

The foot lamp (RH) is not serviceable.

#### Bulb Replacement

INFOID:000000014388949

##### REMOVAL

##### FOOT LAMP LH

1. Remove foot lamp bulb LH socket from instrument lower panel LH.
2. Remove foot lamp bulb LH from foot lamp bulb LH socket

##### FOOT LAMP RH

1. Remove foot lamp bulb RH socket from steering member.
2. Remove foot lamp bulb from foot lamp socket.

##### INSTALLATION

Installation is in the reverse order of removal.

# BED LAMP

< REMOVAL AND INSTALLATION >

## BED LAMP

### Removal and Installation

INFOID:0000000014388950

#### REMOVAL

1. Remove bed side tie down rail, refer to [EXT-51. "Removal and Installation - Without Storage Box"](#).
2. Remove screws from bed lamp.
3. Disconnect the harness connector from the bed lamp.
4. Remove bed lamp.

#### INSTALLATION

Installation is in the reverse order of removal.

### Bulb Replacement

INFOID:0000000014388951

The bed lamp bulb is LED and is serviced as part of the bed lamp. Refer to [INL-75, "Removal and Installation"](#).

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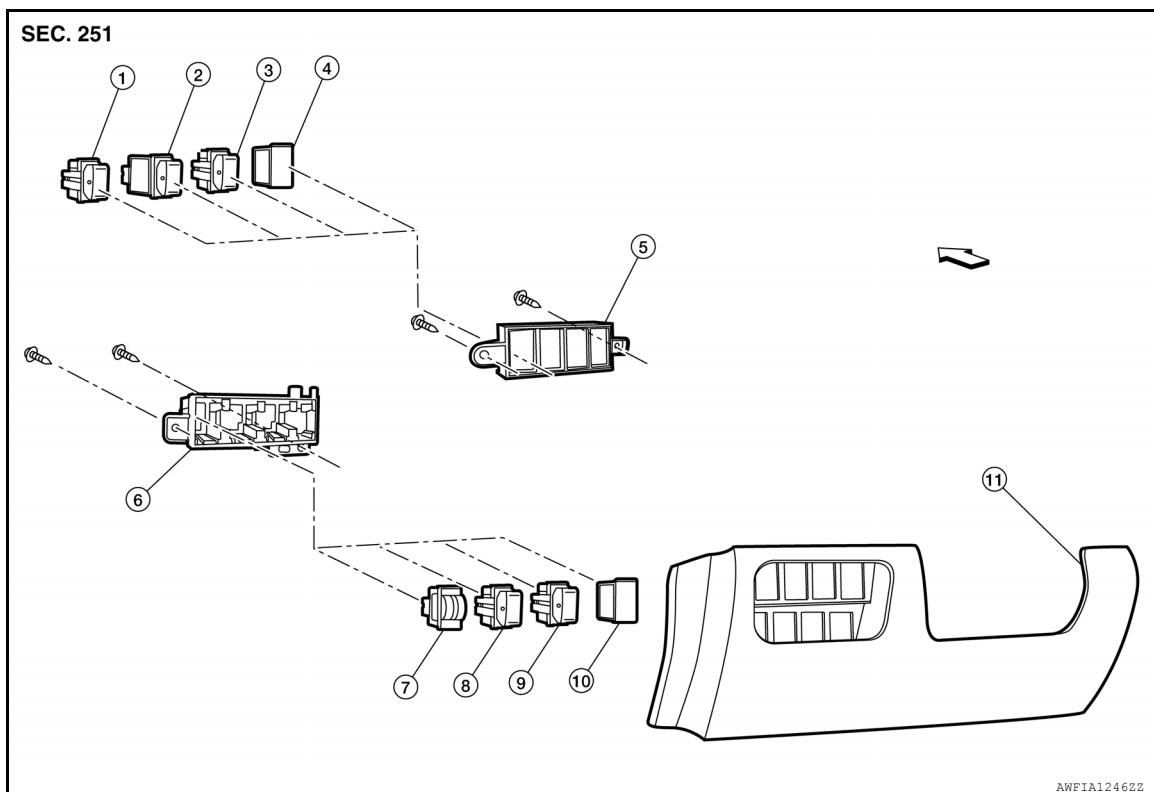
# CARGO LAMP SWITCH

< REMOVAL AND INSTALLATION >

## CARGO LAMP SWITCH

### Exploded View

INFOID:0000000014388952



AWFIA1246ZZ

1. Front fog lamp switch (if equipped)	2. AC 120v outlet main switch (if equipped)	3. Cargo lamp switch
4. Mask	5. Upper switch carrier	6. Lower switch carrier
7. Headlamp aiming switch (if equipped)	8. Differential lock mode switch (if equipped)	9. Hill descent control switch (if equipped)
10. Mask	11. Instrument lower panel LH	Front

### Removal and Installation

INFOID:0000000014388953

#### REMOVAL

1. Remove instrument lower panel LH. Refer to [IP-22, "Removal and Installation"](#).
2. Remove screws from upper switch carrier.
3. Remove upper switch carrier from instrument lower panel LH.
4. Using a suitable tool, release pawls and remove cargo lamp switch.

#### INSTALLATION

Installation is in the reverse order of removal.

## PUDDLE LAMP

< REMOVAL AND INSTALLATION >

### PUDDLE LAMP

#### Removal and Installation

INFOID:00000001438954

The puddle lamp is serviced as part of the door mirror. Refer to [MIR-31, "Removal and Installation"](#).

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## BULB SPECIFICATIONS

< SERVICE DATA AND SPECIFICATIONS (SDS)

# SERVICE DATA AND SPECIFICATIONS (SDS)

## BULB SPECIFICATIONS

### Bulb Specifications

INFOID:000000014388955

Item	Wattage (W)*
Front room/map lamp	8
Vanity lamp (if equipped)	-
Glove box lamp (if equipped)	1.4
Personal lamp	8
Foot lamp (if equipped)	3.4
Bed lamp (if equipped)	-
Puddle lamp (if equipped)	-

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