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SECTION INL

INTERIOR LIGHTING SYSTEM

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PRECAUTIONS

< PRECAUTION >

PRECAUTION

PRECAUTIONS

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

INFOID:000000013498347

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

WARNING:

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

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

WARNING:

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

Precaution for Work

INFOID:000000013174920

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

PREPARATION

< PREPARATION >

PREPARATION

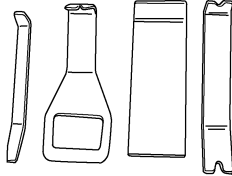
PREPARATION

Special Service Tool

INFOID:000000012546358

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

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



AWJIA0483ZZ

COMPONENT PARTS

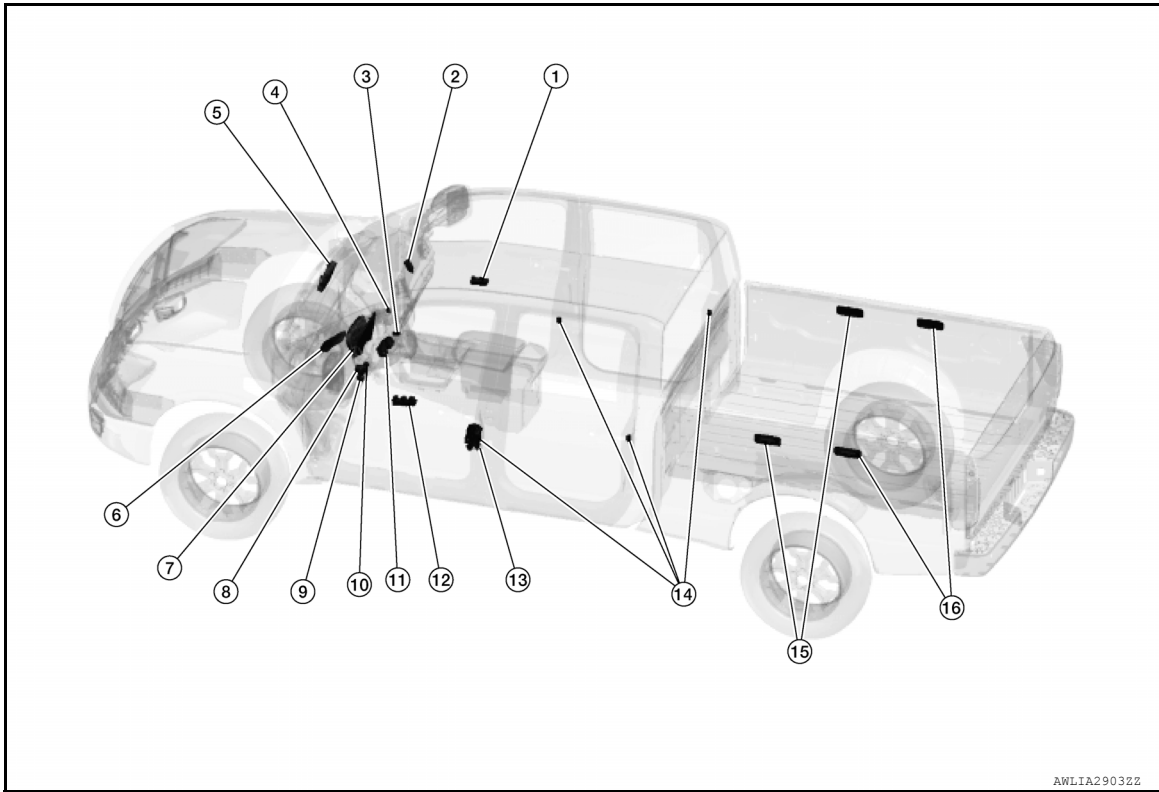
< SYSTEM DESCRIPTION >

SYSTEM DESCRIPTION

COMPONENT PARTS

Component Parts Location

INFOID:000000012946529



AWLIA29032Z

No.	Component	Function
1.	Power window and door lock/unlock switch RH	<ul style="list-style-type: none"> Provides door lock/unlock position switch RH status to the BCM. Refer to DLK-9, "POWER DOOR LOCK SYSTEM : Component Parts Location" for detailed installation location.
2.	Remote keyless entry receiver	Refer to DLK-11, "INTELLIGENT KEY SYSTEM : Component Parts Location" for detailed installation location.
3.	Push-button ignition switch (push-button ignition switch illumination)	<ul style="list-style-type: none"> Provides ignition switch status to the BCM. Refer to PCS-46, "Component Parts Location" for detailed installation location.
4.	Cargo lamp relay	Refer to INL-7, "INTERIOR ROOM LAMP CONTROL SYSTEM : System Description" .
5.	IPDM E/R	<ul style="list-style-type: none"> Controls the integrated tail lamp relay according to the request signal from BCM (via CAN communication). Refer to PCS-5, "Component Parts Location" for detailed installation location.
6.	BCM	<ul style="list-style-type: none"> Activates the interior room lamp timer depending on the vehicle condition to turn the interior room lamps ON/OFF. Operates the interior room lamp battery saver depending on the vehicle condition to turn interior room lamps OFF. Detects each switch condition by the combination switch reading function. 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). Refer to BCS-5, "BODY CONTROL SYSTEM : Component Parts Location" for detailed installation location.

COMPONENT PARTS

< SYSTEM DESCRIPTION >

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

SYSTEM

< SYSTEM DESCRIPTION >

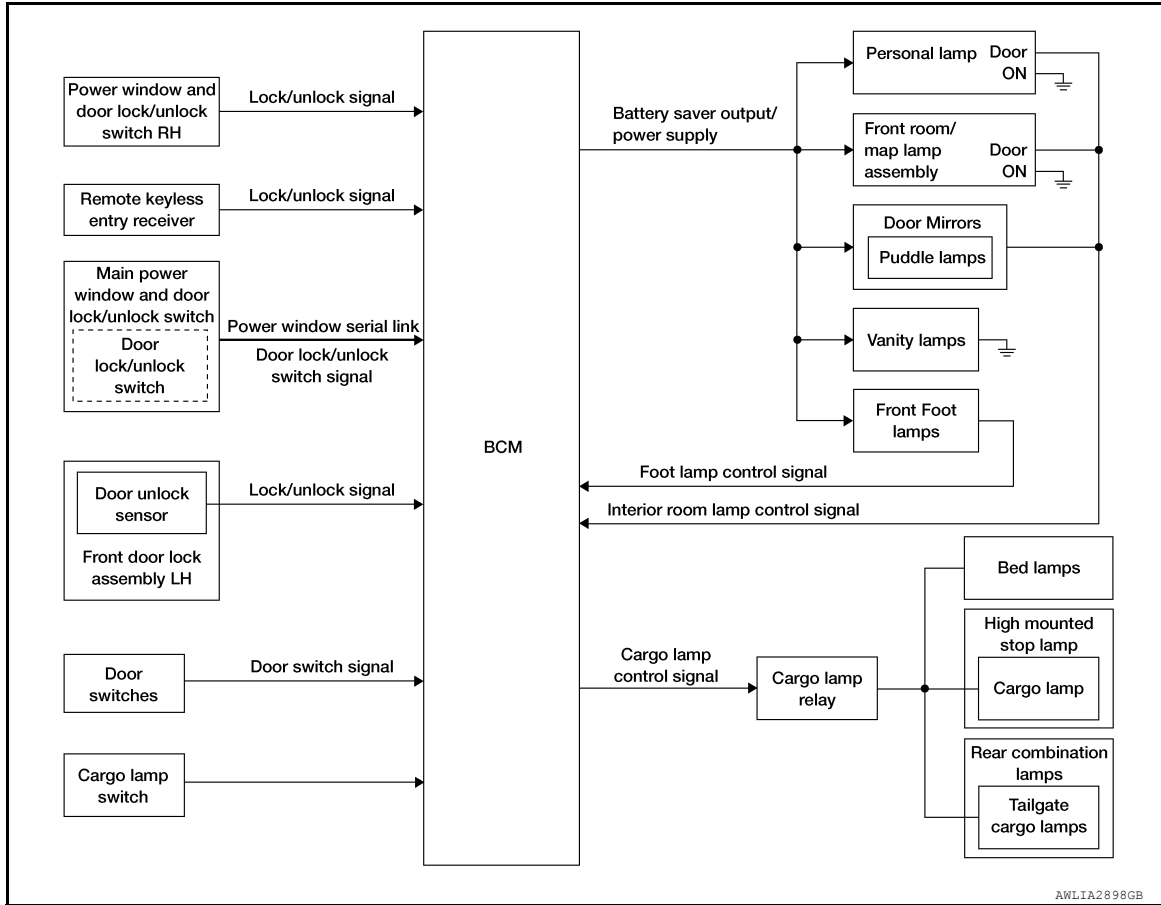
SYSTEM

INTERIOR ROOM LAMP CONTROL SYSTEM

INTERIOR ROOM LAMP CONTROL SYSTEM : System Description

INFOID:000000012546327

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.

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.

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.

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:

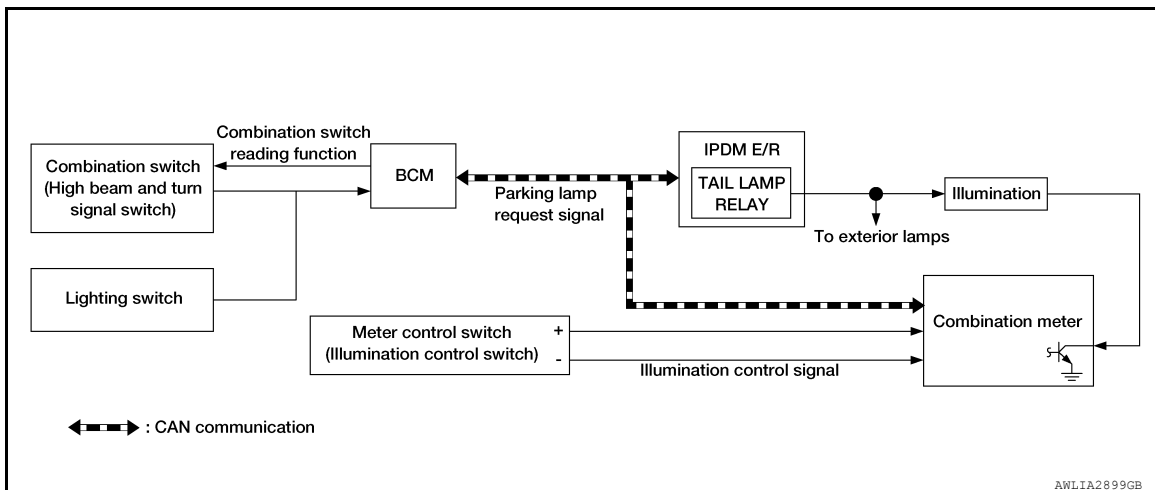
- A signal is received from an Intelligent Key or main power window and door lock/unlock switch or when the front door lock assembly LH (door unlock sensor) is locked or unlocked.
- A door is opened or closed.

ILLUMINATION CONTROL SYSTEM

ILLUMINATION CONTROL SYSTEM : System Description

INFOID:000000012546331

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:0000000013117151

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"> The vehicle specification can be read and saved. The vehicle specification can be written when replacing BCM.
CAN Diag Support Mntr	The result of transmit/receive diagnosis of CAN communication is displayed.

SYSTEM APPLICATION

BCM can perform the following functions:

System	Sub System	Direct Diagnostic Mode						
		ECU Identification	Self Diagnostic Result	Data Monitor	Active Test	Work support	Configuration	CAN Diag Support Mntr
Door lock	DOOR LOCK		×	×	×	×		
Rear window defogger	REAR DEFOGGER			×	×	×		
Warning chime	BUZZER			×	×			
Interior room lamp timer	INT LAMP			×	×	×		
Exterior lamp	HEADLAMP			×	×	×		
Wiper and washer	WIPER			×	×	×		
Turn signal and hazard warning lamps	FLASHER			×	×	×		
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	Power position status at the moment a particular DTC is detected*	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	The number of times that ignition switch is turned ON after DTC is detected <ul style="list-style-type: none"> • The number is 0 when a malfunction is detected now. • The number increases like 1 → 2 → 3...38 → 39 after returning to the normal condition whenever ignition is switched OFF → ON. • The number is fixed to 39 until the self-diagnosis results are erased if it is over 39. 	

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:0000000013117152

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	NOTE: 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:000000013117153

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:0000000012946533

ECU	Reference
BCM	BCS-32. "Reference Value"
	BCS-51. "Fail Safe"
	BCS-51. "DTC Inspection Priority Chart"
	BCS-52. "DTC Index"

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INTERIOR ROOM LAMP

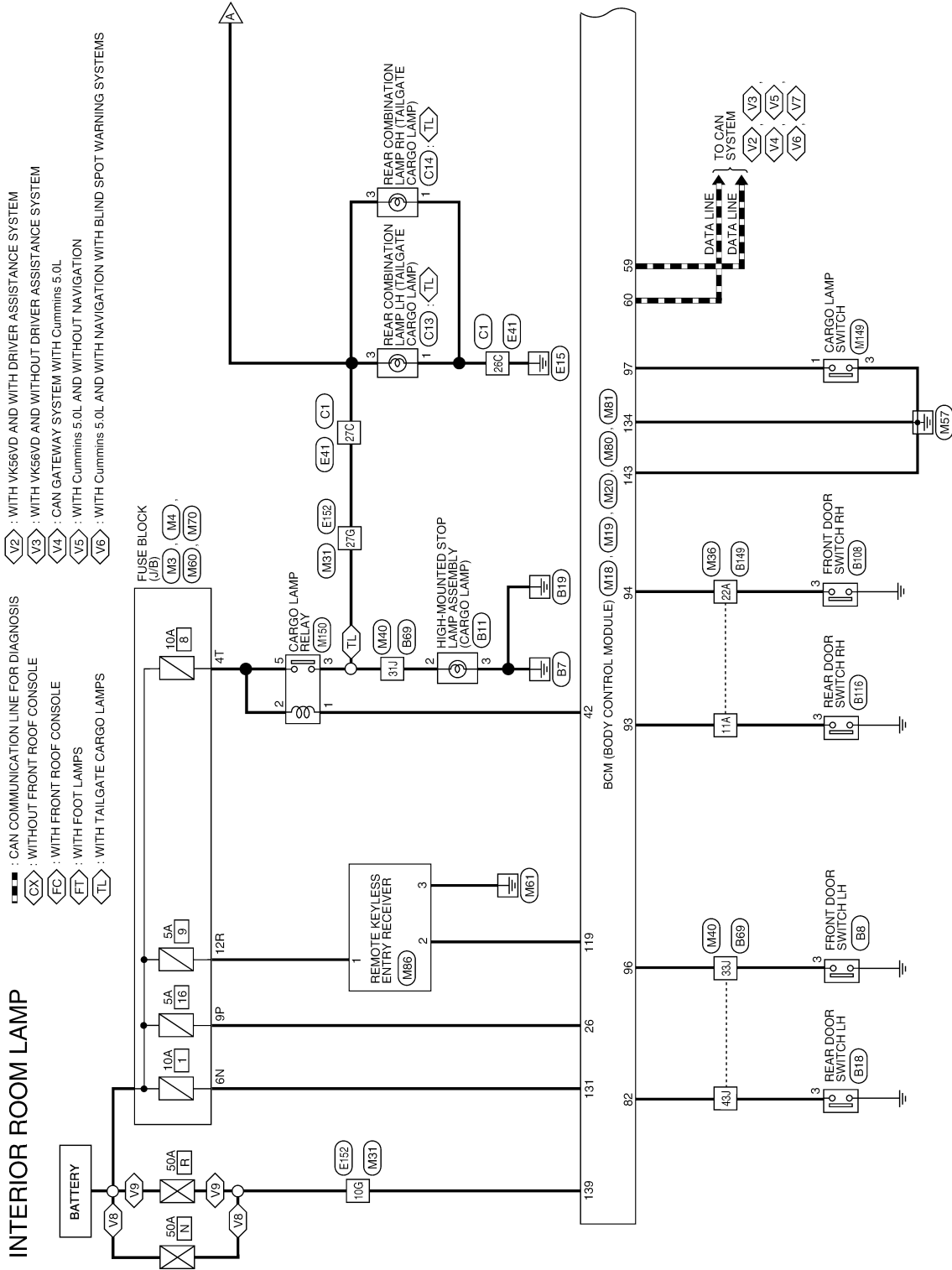
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WIRING DIAGRAM

INTERIOR ROOM LAMP

Wiring Diagram

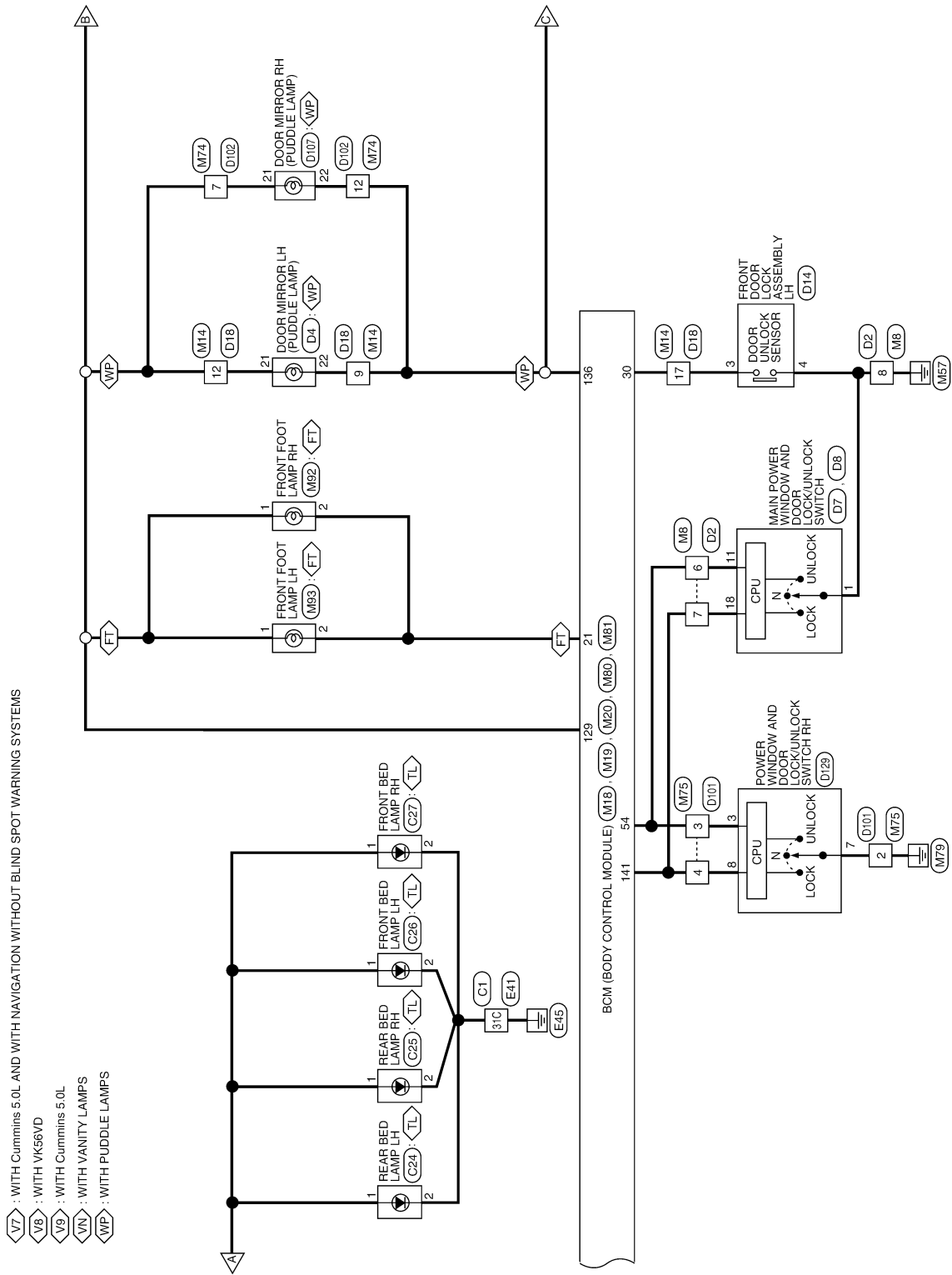
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INTERIOR ROOM LAMP

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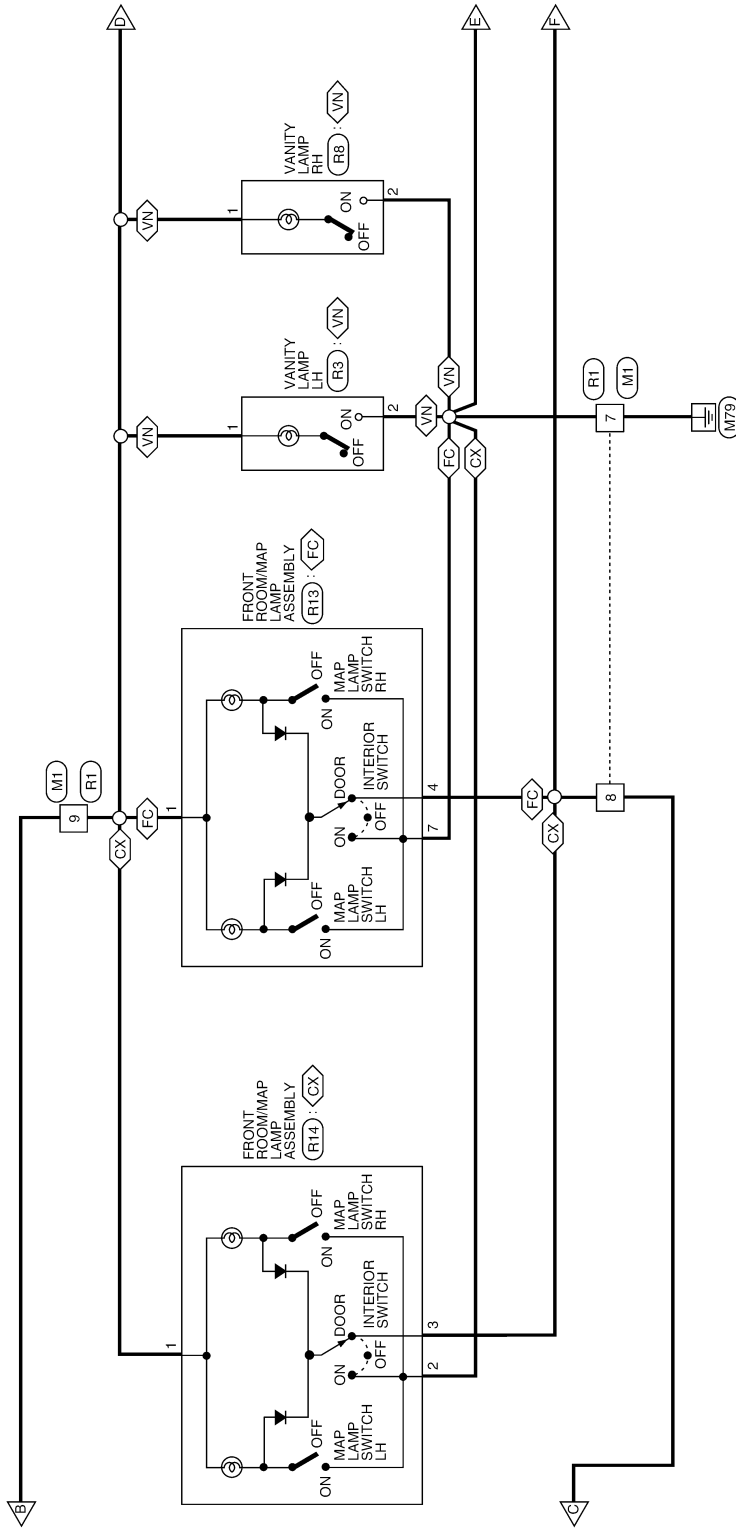
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INTERIOR ROOM LAMP

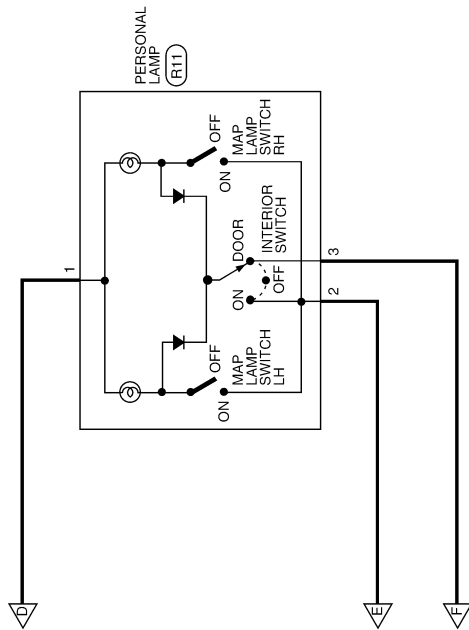
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INTERIOR ROOM LAMP

< WIRING DIAGRAM >



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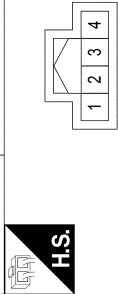
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INTERIOR ROOM LAMP

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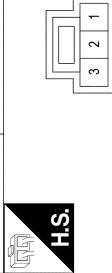
INTERIOR ROOM LAMP CONNECTORS

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



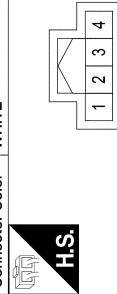
Terminal No.	Color of Wire	Signal Name
1	-	-
2	-	-
3	L	DR DOOR SW
4	-	-

Connector No.	B11
Connector Name	HIGH-MOUNTED STOP LAMP ASSEMBLY
Connector Type	NS03FW-CS
Connector Color	WHITE



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

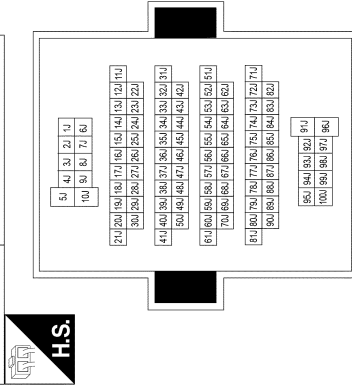
Connector No.	B18
Connector Name	REAR DOOR SWITCH LH
Connector Type	TH04FW-NH
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name

1	-	-
2	-	-
3	SB	RL DOOR SW
4	-	-

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

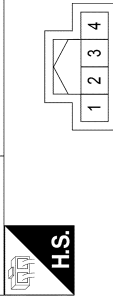


Terminal No.	Color of Wire	Signal Name
1J	P	TO MAIN HARNESS
2J	R/Y	TO MAIN HARNESS
3J	L	TO MAIN HARNESS
4J	L/B	TO MAIN HARNESS
5J	G/W	TO MAIN HARNESS
6J	LG/Y	TO MAIN HARNESS
7J	BR/LG	TO MAIN HARNESS
8J	SB/BR	TO MAIN HARNESS
9J	BR	TO MAIN HARNESS
10J	BR	TO MAIN HARNESS
11J	O/B	TO MAIN HARNESS
12J	L	TO MAIN HARNESS
13J	S/B/O	TO MAIN HARNESS
14J	Y	TO MAIN HARNESS
15J	-	TO MAIN HARNESS
16J	R	TO MAIN HARNESS
17J	G	TO MAIN HARNESS
18J	SB	TO MAIN HARNESS
19J	O	TO MAIN HARNESS
20J	O/B	TO MAIN HARNESS
21J	Y/R	TO MAIN HARNESS
22J	P	TO MAIN HARNESS

Terminal No.	Color of Wire	Signal Name
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	LG/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	V/G/R	TO MAIN HARNESS
48J	V	TO MAIN HARNESS
49J	BR/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
75J	LG/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	W/L	TO MAIN HARNESS
100J	SB	TO MAIN HARNESS

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



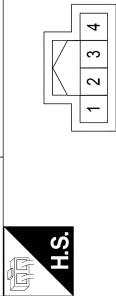
Terminal No.	Color of Wire	Signal Name
1	-	-
2	-	-
3	LG/R	AS DOOR SW
4	-	-

INTERIOR ROOM LAMP

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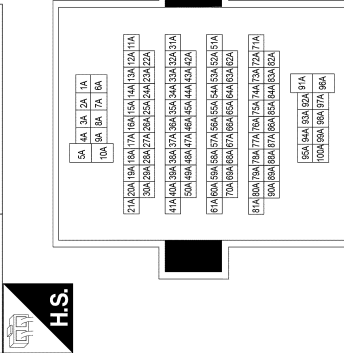
INTERIOR ROOM LAMP CONNECTORS

Connector No.	B116
Connector Name	REAR DOOR SWITCH RH
Connector Type	TH04FV-NH
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
1	-	-
2	-	-
3	LG	RR DOOR SW
4	-	-

Connector No.	B149
Connector Name	WIRE TO WIPE
Connector Type	TH80MDGY-CS16-TM4
Connector Color	GRAY



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

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57A	-	TO MAIN HARNESS
58A	-	TO MAIN HARNESS
59A	-	TO MAIN HARNESS
60A	G/W	TO MAIN HARNESS
61A	-	TO MAIN HARNESS
62A	-	TO MAIN HARNESS
63A	-	TO MAIN HARNESS
64A	-	TO MAIN HARNESS
65A	-	TO MAIN HARNESS
66A	-	TO MAIN HARNESS
67A	-	TO MAIN HARNESS
68A	-	TO MAIN HARNESS
69A	Y/R	TO MAIN HARNESS
70A	R/G	TO MAIN HARNESS
71A	-	TO MAIN HARNESS
72A	Y/B	TO MAIN HARNESS
73A	G	TO MAIN HARNESS
74A	B/R	TO MAIN HARNESS
75A	SHIELD	TO MAIN HARNESS
76A	GR/R	TO MAIN HARNESS
77A	L	TO MAIN HARNESS
78A	SHIELD	TO MAIN HARNESS
79A	Y	TO MAIN HARNESS
80A	L	TO MAIN HARNESS
81A	R	TO MAIN HARNESS
82A	SHIELD	TO MAIN HARNESS
83A	LG/B	TO MAIN HARNESS
84A	R	TO MAIN HARNESS
85A	SHIELD	TO MAIN HARNESS
86A	GR/B	TO MAIN HARNESS
87A	B	TO MAIN HARNESS
88A	W	TO MAIN HARNESS
89A	SHIELD	TO MAIN HARNESS
90A	G	TO MAIN HARNESS
91A	W/L	TO MAIN HARNESS
92A	BR	TO MAIN HARNESS
93A	LY	TO MAIN HARNESS
94A	R/L	TO MAIN HARNESS
95A	BR	TO MAIN HARNESS
96A	R	TO MAIN HARNESS
97A	LG	TO MAIN HARNESS
98A	B/V	TO MAIN HARNESS
99A	O/L	TO MAIN HARNESS
100A	BR/W	TO MAIN HARNESS

6A	LG/Y	TO MAIN HARNESS - (WITHOUT CLIMATE CONTROLLED SEATS)
6A	LG	TO MAIN HARNESS (WITH CLIMATE CONTROLLED SEATS)
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	BR/Y	TO MAIN HARNESS
21A	BG	TO MAIN HARNESS
22A	LG/R	TO MAIN HARNESS
23A	Y/LG	TO MAIN HARNESS
24A	BR/Y	TO MAIN HARNESS
25A	-	TO MAIN HARNESS
26A	GR	TO MAIN HARNESS
27A	LG	TO MAIN HARNESS
28A	LG/B	TO MAIN HARNESS
29A	-	TO MAIN HARNESS
30A	-	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
48A	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

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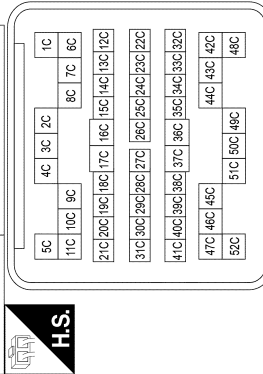
INTERIOR ROOM LAMP

< WIRING DIAGRAM >

INTERIOR ROOM LAMP CONNECTORS

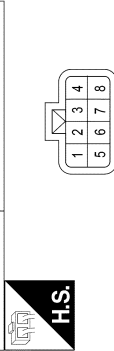
Terminal No.	Color of Wire	Signal Name
1C	Y/V	TO ENGINE ROOM HARNESS
2C	W/L	TO ENGINE ROOM HARNESS
3C	B	TO ENGINE ROOM HARNESS
4C	BR/W	TO ENGINE ROOM HARNESS
5C	BR/Y	TO ENGINE ROOM HARNESS
6C	Y	TO ENGINE ROOM HARNESS
7C	G/R	TO ENGINE ROOM HARNESS - (WITH CUMMINS 5.0L)
7C	R	TO ENGINE ROOM HARNESS - (WITH VK56V/D)
8C	B	TO ENGINE ROOM HARNESS - (WITH CUMMINS 5.0L)
8C	O/B	TO ENGINE ROOM HARNESS - (WITH VK56V/D)
9C	W/L	TO ENGINE ROOM HARNESS - (WITH CUMMINS 5.0L)
9C	SB	TO ENGINE ROOM HARNESS - (WITH VK56V/D)
10C	GR/R	TO ENGINE ROOM HARNESS - (WITH CUMMINS 5.0L)
10C	GR	TO ENGINE ROOM HARNESS - (WITH VK56V/D)
11C	B	TO ENGINE ROOM HARNESS - (WITH CUMMINS 5.0L)
11C	R/W	TO ENGINE ROOM HARNESS - (WITH VK56V/D)
12C	Y	TO ENGINE ROOM HARNESS
13C	B	TO ENGINE ROOM HARNESS
14C	B/G	TO ENGINE ROOM HARNESS
15C	Y	TO ENGINE ROOM HARNESS
16C	B	TO ENGINE ROOM HARNESS
17C	V	TO ENGINE ROOM HARNESS
18C	B/G	TO ENGINE ROOM HARNESS
19C	L	TO ENGINE ROOM HARNESS
20C	W	TO ENGINE ROOM HARNESS
21C	L/G	TO ENGINE ROOM HARNESS

Connector No.	Wire to Wire	Color
C1	WIRE TO WIRE	GRAY
Connector Name	WIRE TO WIRE	
Connector Type	RK26FGY-RS20-X6	
Connector Color	GRAY	



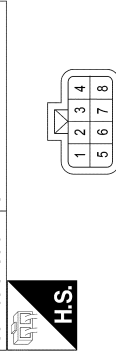
Terminal No.	Shield	Color of Wire	Signal Name
22C	SHIELD	G/B	TO ENGINE ROOM HARNESS
23C	G/B	G/B	TO ENGINE ROOM HARNESS
24C	G/B	G/B	TO ENGINE ROOM HARNESS
25C	W	W	TO ENGINE ROOM HARNESS
26C	B	B	TO ENGINE ROOM HARNESS
27C	LG	LG	TO ENGINE ROOM HARNESS
28C	G/W	G/W	TO ENGINE ROOM HARNESS
29C	R/LG	R/LG	TO ENGINE ROOM HARNESS
30C	R/L	R/L	TO ENGINE ROOM HARNESS
31C	B	B	TO ENGINE ROOM HARNESS
32C	R	R	TO ENGINE ROOM HARNESS
33C	L/W	L/W	TO ENGINE ROOM HARNESS
34C	L	L	TO ENGINE ROOM HARNESS
35C	R/W	R/W	TO ENGINE ROOM HARNESS
37C	Y	Y	TO ENGINE ROOM HARNESS
38C	GR	GR	TO ENGINE ROOM HARNESS
39C	R	R	TO ENGINE ROOM HARNESS
40C	P	P	TO ENGINE ROOM HARNESS
41C	V	V	TO ENGINE ROOM HARNESS
42C	L/G/B	L/G/B	TO ENGINE ROOM HARNESS
43C	Y/B	Y/B	TO ENGINE ROOM HARNESS
44C	R	R	TO ENGINE ROOM HARNESS
45C	G	G	TO ENGINE ROOM HARNESS
46C	BR	BR	TO ENGINE ROOM HARNESS
47C	B	B	TO ENGINE ROOM HARNESS
48C	Y/R	Y/R	TO ENGINE ROOM HARNESS
49C	R/Y	R/Y	TO ENGINE ROOM HARNESS - (WITH CUMMINS 5.0L)
49C	V	V	TO ENGINE ROOM HARNESS - (WITH VK56V/D)
50C	B	B	TO ENGINE ROOM HARNESS - (WITH CUMMINS 5.0L)
50C	B/Y	B/Y	TO ENGINE ROOM HARNESS - (WITH VK56V/D)
51C	V	V	TO ENGINE ROOM HARNESS - (WITH CUMMINS 5.0L)
51C	B	B	TO ENGINE ROOM HARNESS - (WITH VK56V/D)
52C	V/W	V/W	TO ENGINE ROOM HARNESS

Connector No.	Signal Name
C13	REAR COMBINATION LAMP LH
Connector Name	REAR COMBINATION LAMP LH
Connector Type	RS08FGY-PR
Connector Color	GRAY



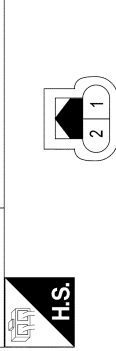
Terminal No.	Color of Wire	Signal Name
1	B	GROUND
2	-	-
3	LG	ACCESSORY POWER (CARGO LAMP)
4	G/W	REVERSE/BACK UP RELAY
5	B	GROUND
6	R/L	TAIL LAMP RELAY
7	R/LG	STOP LAMP RELAY (WITHOUT LED) / STOP LAMP SW (WITH LED)
8	G/B	RL FLASHER

Connector No.	Signal Name
C14	REAR COMBINATION LAMP RH
Connector Name	REAR COMBINATION LAMP RH
Connector Type	RS08FGY-PR
Connector Color	GRAY



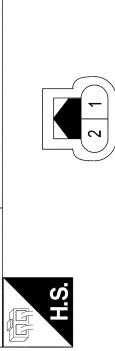
Terminal No.	Color of Wire	Signal Name
1	B	GROUND
2	-	-
3	LG	ACCESSORY POWER (CARGO LAMP)
4	G/W	REVERSE/BACK UP RELAY
5	B	GROUND
6	R/L	TAIL LAMP RELAY
7	R/LG	STOP LAMP RELAY (WITHOUT LED) / STOP LAMP SW (WITH LED)
8	G/Y	RR FLASHER

Connector No.	Signal Name
C24	REAR BED LAMP LH
Connector Name	REAR BED LAMP LH
Connector Type	RH02MB
Connector Color	BLACK



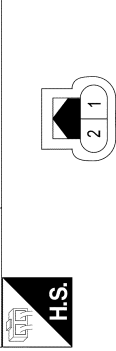
Terminal No.	Color of Wire	Signal Name
1	LG	CARGO LAMP RELAY
2	B	GROUND

Connector No.	Signal Name
C25	REAR BED LAMP RH
Connector Name	REAR BED LAMP RH
Connector Type	RH02MB
Connector Color	BLACK



Terminal No.	Color of Wire	Signal Name
1	LG	CARGO LAMP
2	B	GROUND

Connector No.	Signal Name
C26	FRONT BED LAMP LH
Connector Name	FRONT BED LAMP LH
Connector Type	RH02MB
Connector Color	BLACK





Terminal No.	Color of Wire	Signal Name
1	LG	CARGO LAMP
2	B	GROUND

INTERIOR ROOM LAMP

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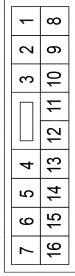
INTERIOR ROOM LAMP CONNECTORS

Connector No.	C27
Connector Name	FRONT BED LAMP RH
Connector Type	RH02MB
Connector Color	BLACK


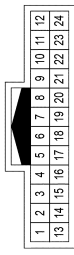
Terminal No.	Color of Wire	Signal Name
1	LG	CARGO LAMP
2	B	GROUND

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

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

Connector No.	D4
Connector Name	DOOR MIRROR LH
Connector Type	TH24MW-NH
Connector Color	WHITE


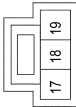
Terminal No.	Color of Wire	Signal Name
1	LG	SWITCH MTR UP
2	Y	(WITHOUT MEMORY MIRRORS)
2	L	SWITCH MOTOR LC (WITH MEMORY MIRRORS)
3	BG	MOTOR COMMON
4	-	-
5	-	-
6	B/W	HEATED MIRROR +
7	W	VCC
8	R	VIDEO +
9	G/B	FRONT TURN LH
10	B	GND
11	Lg/B	EC FEED
12	Y/W	EC RETURN
13	Y	MEMORY GND
14	SB	MEMORY FEED
15	V	HOR SENSOR
16	BG	VER SENSOR
17	-	-
18	B	HEATED MIRROR -
19	B	GND
20	SHIELD	VIDEO -
21	R/G	BAT SAVER OUT
22	L	ROOM LAMP CONT
23	W	LED LH
24	B	GND

Connector No.	D7
Connector Name	MAIN POWER WINDOW AND DOOR LOCK/UNLOCK SWITCH
Connector Type	NS16FW-CS
Connector Color	WHITE






Terminal No.	Color of Wire	Signal Name
1	B	GND
2	-	-
3	W/R	D LOCK ACTR DR
4	R	ENCODER SIG2
5	BG	ENCODER SIG1
6	SB	RR DN
7	V	RR UP
8	L	RL DN
9	Y	RL UP
10	LG	IGN
11	W/L	COM
12	B	ENCODER_GND
13	-	-
14	P	ENCODER+
15	B/W	D LOCK ACTR DR
16	-	-

Connector No.	D8
Connector Name	MAIN POWER WINDOW AND DOOR LOCK/UNLOCK SWITCH
Connector Type	NS03FW-CS
Connector Color	WHITE

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

Connector No.	D14
Connector Name	FRONT DOOR LOCK ASSEMBLY LH
Connector Type	E06FGY-RS
Connector Color	GRAY

Terminal No.	Color of Wire	Signal Name
1	L	DOOR LOCK DR
2	V	DOOR UNLOCK DR
3	LG	DR DOOR LOCK STATUS
4	B	GROUND
5	B/W	UNLOCK SW
6	W/R	LOCK SW

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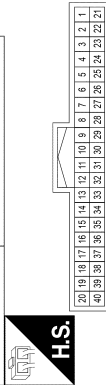
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INTERIOR ROOM LAMP

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INTERIOR ROOM LAMP CONNECTORS

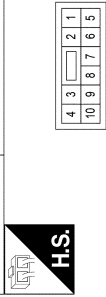
Connector No.	D18
Connector Name	WIRE TO WIRE
Connector Type	TH40FW-NH
Connector Color	WHITE



Terminal No.	Color of Wire	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	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	YW	TO MAIN HARNESS
21	BR	TO MAIN HARNESS -(WITHOUT MEMORY MIRRORS)
21	BG	TO MAIN HARNESS -(WITH MEMORY MIRRORS)
22	V	TO MAIN HARNESS
23	G	TO MAIN HARNESS -(WITHOUT MEMORY MIRRORS)
23	L	TO MAIN HARNESS -(WITH 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

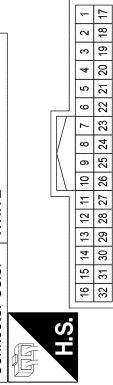
32	R	TO MAIN HARNESS
33	BR	TO MAIN HARNESS
34	-	TO MAIN HARNESS
35	W	TO MAIN HARNESS
36	-	TO MAIN HARNESS
37	-	TO MAIN HARNESS
38	LG	TO MAIN HARNESS
39	SB	TO MAIN HARNESS
40	L	TO MAIN HARNESS

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	L/B	TO MAIN HARNESS
9	G/Y	TO MAIN HARNESS
10	-	TO MAIN HARNESS

Connector No.	D102
Connector Name	WIRE TO WIRE
Connector Type	TH32FW-NH
Connector Color	WHITE



4	L	TO MAIN HARNESS
5	LG/W	TO MAIN HARNESS
6	R/W	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	L	TO MAIN HARNESS
13	Y/V	TO MAIN HARNESS
14	W/L	TO MAIN HARNESS
15	V/R	TO MAIN HARNESS
16	L/W	TO MAIN HARNESS
17	SB	TO MAIN HARNESS
18	Y	TO MAIN HARNESS
19	G	TO MAIN HARNESS
20	V/W	TO MAIN HARNESS -(WITHOUT AUTOMATIC DRIVE POSITIONER)
20	GR/R	TO MAIN HARNESS -(WITH AUTOMATIC DRIVE POSITIONER)
21	-	TO MAIN HARNESS
22	-	TO MAIN HARNESS
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

Connector No.	D107
Connector Name	DOOR MIRROR RH
Connector Type	TH24MW-NH
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
1	BR	SWITCH MTR LUP
2	G	SWITCH MTR LIT
3	SB	MTR COMMON
4	-	-
5	-	-
6	B/W	HEATED MIRROR +

7	B	VCC
8	R	VIDEO +
9	G/Y	FR TURN RH
10	B	GND
11	LG/B	EC FEED
12	Y/V	EC RETURN
13	L	MEMORY GND
14	V	MEMORY FEED
15	Y	HOR SENSOR
16	BR	VER SENSOR
17	-	-
18	B	HEATED MIRROR -
19	W	GND
20	SHIELD	VIDEO -
21	R/G	BAT SAVER OUT
22	L	ROOM LAMP CONT
23	R	LED RH
24	B	GND

Connector No.	D129
Connector Name	POWER WINDOW AND DOOR LOCK/UNLOCK SWITCH RH
Connector Type	NS12FW-CS
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
1	-	-
2	-	-
3	W/L	COM
4	G/B	ENCODER GND
5	W	ENCODER +
6	-	-
7	B	GND
8	V	BAT
9	R/L	ENCODER SIG1
10	L/W	ENCODER SIG2
11	G	AS UP
12	L	AS DN

INTERIOR ROOM LAMP

< WIRING DIAGRAM >

INTERIOR ROOM LAMP CONNECTORS

Connector No.	E41
Connector Name	WIRE TO WIRE
Connector Type	RK26(MGY-RS20-X6)
Connector Color	GRAY

1C	2C	3C	4C	5C
6C	7C	8C	9C	10C
11C	12C	13C	14C	15C
16C	17C	18C	19C	20C
21C	22C	23C	24C	25C
26C	27C	28C	29C	30C
31C	32C	33C	34C	35C
36C	37C	38C	39C	40C
41C	42C	43C	44C	45C
46C	47C	48C	49C	50C
51C	52C	53C	54C	55C

Terminal No.	Color of Wire	Signal Name
1C	Y/V	TO CHASSIS HARNESS
2C	W/L	TO CHASSIS HARNESS
3C	B	TO CHASSIS HARNESS
4C	BR/W	TO CHASSIS HARNESS
5C	BR/Y	TO CHASSIS HARNESS
6C	Y	TO CHASSIS HARNESS
7C	G/R	TO CHASSIS HARNESS - (WITH CUMMINS 5.0L)
7C	R	TO CHASSIS HARNESS - (WITH VK56VD)
8C	B	TO CHASSIS HARNESS - (WITH CUMMINS 5.0L)
8C	O/B	TO CHASSIS HARNESS - (WITH VK56VD)
9C	W/L	TO CHASSIS HARNESS - (WITH CUMMINS 5.0L)
9C	SB	TO CHASSIS HARNESS - (WITH VK56VD)
10C	GR/R	TO CHASSIS HARNESS - (WITH CUMMINS 5.0L)
10C	GR	TO CHASSIS HARNESS - (WITH VK56VD)
11C	B	TO CHASSIS HARNESS - (WITH CUMMINS 5.0L)
11C	R/W	TO CHASSIS HARNESS - (WITH VK56VD)
12C	Y	TO CHASSIS HARNESS
13C	B	TO CHASSIS HARNESS
14C	B/G	TO CHASSIS HARNESS
15C	Y	TO CHASSIS HARNESS
16C	B	TO CHASSIS HARNESS
17C	V	TO CHASSIS HARNESS
18C	B/G	TO CHASSIS HARNESS
19C	L	TO CHASSIS HARNESS
20C	B/G	TO CHASSIS HARNESS
21C	B	TO CHASSIS HARNESS

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22C	SHIELD	TO CHASSIS HARNESS
23C	G/B	TO CHASSIS HARNESS
24C	G/Y	TO CHASSIS HARNESS
25C	W	TO CHASSIS HARNESS
26C	B	TO CHASSIS HARNESS
27C	LG	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 VK56VD)
50C	B	TO CHASSIS HARNESS - (WITH CUMMINS 5.0L)
50C	B/Y	TO CHASSIS HARNESS - (WITH VK56VD)
51C	V	TO CHASSIS HARNESS - (WITH CUMMINS 5.0L)
51C	B	TO CHASSIS HARNESS - (WITH VK56VD)
52C	B	TO CHASSIS HARNESS - (WITHOUT FFV)
52C	L	TO CHASSIS HARNESS - (WITH FFV)
52C	V/W	TO CHASSIS HARNESS

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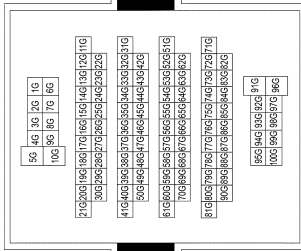
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INTERIOR ROOM LAMP

< WIRING DIAGRAM >

INTERIOR ROOM LAMP CONNECTORS

Connector No.	E152
Connector Name	WIRE TO WIPE
Connector Type	TH80MW-CST6-TM4
Connector Color	WHITE



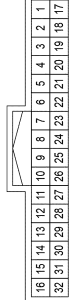
24G	G/B	TO MAIN HARNESS
25G	R/W	TO MAIN HARNESS
26G	R	TO MAIN HARNESS
27G	LG	TO MAIN HARNESS
28G	G/B	TO MAIN HARNESS
29G	G/B	TO MAIN HARNESS
30G	B/Y	TO MAIN HARNESS - (WITH CUMMINS 5.0L)
31G	P	TO MAIN HARNESS - (WITH CUMMINS 5.0L)
31G	R	TO MAIN HARNESS - (WITH V636V/D)
32G	P	TO MAIN HARNESS
33G	Y/L	TO 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
38G	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 5.0L)
43G	G	TO MAIN HARNESS - (WITH V636V/D)
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	R/W	TO MAIN HARNESS

Terminal No.	Color of Wire	Signal Name
1G	G	TO MAIN HARNESS
2G	B/R	TO MAIN HARNESS
3G	W/B	TO MAIN HARNESS
4G	B/W	TO MAIN HARNESS
5G	BR	TO MAIN HARNESS
6G	P	TO MAIN HARNESS - (WITH V636V/D)
6G	R/W	TO MAIN HARNESS - (WITH CUMMINS 5.0L)
7G	Y	TO MAIN HARNESS
8G	G	TO MAIN HARNESS
9G	R	TO MAIN HARNESS
10G	W	TO MAIN HARNESS
11G	R/G	TO MAIN HARNESS
12G	W/B	TO MAIN HARNESS
13G	BR	TO MAIN HARNESS
14G	Y/B	TO MAIN HARNESS
15G	G/W	TO MAIN HARNESS
16G	G	TO MAIN HARNESS
17G	G/Y	TO MAIN HARNESS
18G	G/Y	TO MAIN HARNESS
19G	Y/W	TO MAIN HARNESS
20G	G/Y	TO MAIN HARNESS
21G	B/Y	TO MAIN HARNESS
22G	G/R	TO MAIN HARNESS
23G	Y/R	TO MAIN HARNESS

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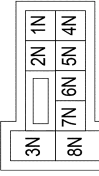
72G	L/W	TO MAIN HARNESS
73G	SHIELD	TO MAIN HARNESS
74G	W	TO MAIN HARNESS
75G	R	TO MAIN HARNESS
76G	R/G	TO MAIN HARNESS
77G	G	TO MAIN HARNESS
78G	W	TO MAIN HARNESS
79G	-	TO MAIN HARNESS
80G	R	TO MAIN HARNESS
81G	L	TO MAIN HARNESS
82G	R	TO MAIN HARNESS
83G	L	TO MAIN HARNESS
84G	L	TO MAIN HARNESS
85G	W/B	TO MAIN HARNESS
86G	B/R	TO MAIN HARNESS
87G	W/B	TO MAIN HARNESS
88G	P	TO MAIN HARNESS
89G	L	TO MAIN HARNESS
90G	G	TO MAIN HARNESS
91G	G	TO MAIN HARNESS
92G	V/W	TO MAIN HARNESS
93G	BR	TO MAIN HARNESS
94G	G	TO MAIN HARNESS
95G	G	TO MAIN HARNESS
96G	W	TO MAIN HARNESS
97G	R	TO MAIN HARNESS
98G	W/B	TO MAIN HARNESS
99G	BR	TO MAIN HARNESS
100G	GR/W	TO MAIN HARNESS

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



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	L/B	TO ROOM LAMP HARNESS
17	-	TO ROOM LAMP HARNESS
18	P	TO ROOM LAMP HARNESS
19	W/B	TO ROOM LAMP HARNESS
20	W/L	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	G/R	TO ROOM LAMP HARNESS
30	G/W	TO ROOM LAMP HARNESS
31	L/G/B	TO ROOM LAMP HARNESS
32	Y/Y	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
1N	O	IGN
2N	W	BATTERY
3N	W	IGNITION
4N	V	BATTERY
5N	Y	BATTERY
6N	W	BATTERY
7N	L	ACC RELAY OUT
8N	W	IGNITION

Terminal No.	Color of Wire	Signal Name
1	SHIELD	TO ROOM LAMP HARNESS
2	R	TO ROOM LAMP HARNESS
3	W	TO ROOM LAMP HARNESS
4	SB	TO ROOM LAMP HARNESS
5	G/W	TO ROOM LAMP HARNESS
6	G/R	TO ROOM LAMP HARNESS
7	B	TO ROOM LAMP HARNESS
8	L	TO ROOM LAMP HARNESS
9	R/G	TO ROOM LAMP HARNESS

INTERIOR ROOM LAMP

< WIRING DIAGRAM >

INTERIOR ROOM LAMP CONNECTORS

Connector No.	M4
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS16FW-CS
Connector Color	WHITE

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

Terminal No.	Color of Wire	Signal Name
1P	R	IGNITION
2P	Y	IGNITION
3P	G	IGNITION RELAY OUT
4P	B/W	RR DEF RLY
5P	B/W	RR DEF RLY
6P	O	RR DEF RLY OUT
7P	G	IGNITION
8P	W	IGNITION
9P	L	BATTERY
10P	-	-
11P	-	-
12P	-	-
13P	R	BATTERY
14P	Y	BATTERY
15P	Y/LG	BATTERY
16P	W	BLOWER FAN RELAY OUT

Connector No.	M8
Connector Name	WIRE TO WIRE
Connector Type	NS16MW-CS
Connector Color	WHITE

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

Terminal No.	Color of Wire	Signal Name
1	B/W	TO FRONT DOOR LH HARNESS
2	G/B	TO FRONT DOOR LH HARNESS
3	L	TO FRONT DOOR LH HARNESS
4	R	TO FRONT DOOR LH HARNESS
5	W/R	TO FRONT DOOR LH HARNESS
6	W/L	TO FRONT DOOR LH HARNESS
7	V	TO FRONT DOOR LH HARNESS

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8	B	TO FRONT DOOR LH HARNESS
9	L/W	TO FRONT DOOR LH HARNESS
10	L/R	TO FRONT DOOR LH HARNESS
11	L/W	TO FRONT DOOR LH HARNESS
12	L	TO FRONT DOOR LH HARNESS
13	Y	TO FRONT DOOR LH HARNESS
14	SB	TO FRONT DOOR LH HARNESS
15	V	TO FRONT DOOR LH HARNESS
16	LG	TO FRONT DOOR LH HARNESS

Connector No.	M14
Connector Name	WIRE TO WIRE
Connector Type	TH40MM-NH
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	33	34	35	36	37	38	39	40

23	G	TO FRONT DOOR LH HARNESS - (WITHOUT MEMORY MIRRORS)
24	BR	TO FRONT DOOR LH HARNESS
25	Y	TO FRONT DOOR LH HARNESS
26	LG	TO FRONT DOOR LH HARNESS
27	W	TO FRONT DOOR LH HARNESS
28	L	TO FRONT DOOR LH HARNESS
29	P	TO FRONT DOOR LH HARNESS
30	R	TO FRONT DOOR LH HARNESS
31	SHIELD	TO FRONT DOOR LH HARNESS
32	R	TO FRONT DOOR LH HARNESS
33	O	TO FRONT DOOR LH HARNESS
34	-	TO FRONT DOOR LH HARNESS
35	W	TO FRONT DOOR LH HARNESS
36	-	TO FRONT DOOR LH HARNESS
37	-	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

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

20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21

Terminal No.	Color of Wire	Signal Name
1	G	ENG START SW NO ESCL
2	-	-
3	R	A/L POWER SUPPLY 5V
4	W/R	A/L SIGNAL
5	-	-
6	-	-
7	-	-
8	-	-
9	-	-
10	SB	COMBI SW IN 5
11	G/Y	COMBI SW IN 4
12	Y	COMBI SW IN 3
13	G/B	COMBI SW IN 2
14	V	COMBI SW IN 1
15	-	-
16	-	-
17	P	GND RF A/L
18	V	SECURITY INDICATOR

19	-	-
20	R	SHIFT P
21	R/W	STEP LAMP CONT
22	-	-
23	Y	AIRCON SW
24	-	-
25	W	BRAKE SW FUSE
26	L	SHORT IN PIN INPUT
27	R/G	BRAKE SW LAMP
28	-	-
29	W	BLOWER FAN SW
30	P	DR DOOR LOCK STATUS
31	-	-
32	Y	REAR DEFOGGER SW
33	-	-
34	-	-
35	R/G	REVERSE SW
36	W/B	HAZARD SW
37	-	-
38	-	-
39	B/R	SHIFT N/P
40	-	-

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INTERIOR ROOM LAMP

< WIRING DIAGRAM >

INTERIOR ROOM LAMP CONNECTORS

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

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



78	O/B	COMBI SW OUT 2
79	R/W	COMBI SW OUT 1
80	-	-

Connector No.	M20
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH24FGY-NH
Connector Color	GRAY

92	91	90	89	88	87	86	85	84	83	82	81
104	103	102	101	100	99	98	97	96	95	94	93



Terminal No.	Color of Wire	Signal Name
41	YL	TRAILER LIGHT CHECK RELAY OUT
42	RY	CARGO LAMP OUT
43	-	-
44	-	-
45	-	-
46	-	-
47	-	-
48	R	HIGH SIDE START SW LED
49	-	-
50	-	-
51	-	-
52	W	AUDIO DONGLE
53	-	-
54	W/L	PW UART
55	W/B	L&R SENSOR K-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

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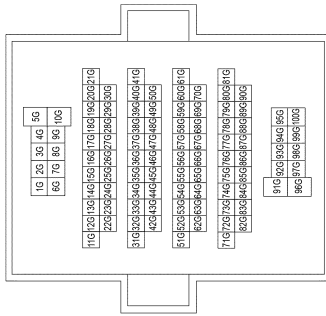
Terminal No.	Color of Wire	Signal Name
81	-	-
82	W	RL DOOR SW
83	-	-
84	-	-
85	-	-
86	G/B	TRAILER FLASHER RL
87	Y/B	TRAILER FLASHER RR
88	-	-
89	-	-
90	-	-
91	-	-
92	O	RR FLASHER
93	R	RR DOOR SW
94	G	AS DOOR SW
95	-	-
96	BG	DR DOOR SW
97	P/L	CARGO LAMP SW
98	-	-
99	-	-
100	-	-
101	-	-
102	-	-
103	G/B	RL FLASHER
104	-	-

INTERIOR ROOM LAMP

< WIRING DIAGRAM >

INTERIOR ROOM LAMP CONNECTORS

Connector No.	M31
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-C516-TM4
Connector Color	WHITE



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/W	TO ENGINE ROOM HARNESS
5G	BR	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/W	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

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80G	R	TO ENGINE ROOM HARNESS
81G	L	TO ENGINE ROOM HARNESS
82G	R	TO ENGINE ROOM HARNESS
83G	L	TO ENGINE ROOM HARNESS
84G	L	TO ENGINE ROOM HARNESS
85G	W	TO ENGINE ROOM HARNESS
86G	B/R	TO ENGINE ROOM HARNESS
87G	W	TO ENGINE ROOM HARNESS
88G	G	TO ENGINE ROOM HARNESS
89G	P	TO ENGINE ROOM HARNESS
90G	G	TO ENGINE ROOM HARNESS
91G	P	TO ENGINE ROOM HARNESS
92G	V/W	TO ENGINE ROOM HARNESS
93G	BR	TO ENGINE ROOM HARNESS
94G	B	TO ENGINE ROOM HARNESS
95G	G	TO ENGINE ROOM HARNESS
96G	R	TO ENGINE ROOM HARNESS
97G	R	TO ENGINE ROOM HARNESS
98G	W/B	TO ENGINE ROOM HARNESS
99G	R	TO ENGINE ROOM HARNESS
100G	GR/W	TO ENGINE ROOM HARNESS

27G	LG	TO ENGINE ROOM HARNESS
28G	G/B	TO ENGINE ROOM HARNESS
29G	G/B	TO ENGINE ROOM HARNESS
30G	B/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	GR	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	BG	TO ENGINE ROOM HARNESS
59G	BG	TO ENGINE ROOM HARNESS
60G	BG	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	BG	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	BG	TO ENGINE ROOM HARNESS
78G	P	TO ENGINE ROOM HARNESS
79G	-	TO ENGINE ROOM HARNESS

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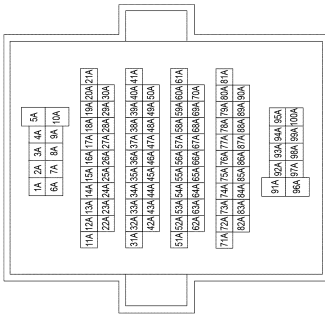
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INTERIOR ROOM LAMP

< WIRING DIAGRAM >

INTERIOR ROOM LAMP CONNECTORS

Connector No.	M36
Connector Name	WIRE TO WIPE
Connector Type	TH80FDGY-CST6-TM4
Connector Color	GRAY



76A	SHIELD	TO BODY NO. 2 HARNESS
76A	R	TO BODY NO. 2 HARNESS
77A	L	TO BODY NO. 2 HARNESS
78A	SHIELD	TO BODY NO. 2 HARNESS
79A	GR	TO BODY NO. 2 HARNESS
80A	V	TO BODY NO. 2 HARNESS
81A	R	TO BODY NO. 2 HARNESS
82A	SHIELD	TO BODY NO. 2 HARNESS
83A	R	TO BODY NO. 2 HARNESS
84A	O	TO BODY NO. 2 HARNESS
85A	SHIELD	TO BODY NO. 2 HARNESS
86A	W	TO BODY NO. 2 HARNESS
87A	B	TO BODY NO. 2 HARNESS
88A	W	TO BODY NO. 2 HARNESS
89A	SHIELD	TO BODY NO. 2 HARNESS
90A	G	TO BODY NO. 2 HARNESS
91A	W/L	TO BODY NO. 2 HARNESS
92A	BR	TO BODY NO. 2 HARNESS
93A	L/Y	TO BODY NO. 2 HARNESS
94A	R/L	TO BODY NO. 2 HARNESS
95A	BR	TO BODY NO. 2 HARNESS
96A	R	TO BODY NO. 2 HARNESS
97A	LG	TO BODY NO. 2 HARNESS
98A	B/V	TO BODY NO. 2 HARNESS
99A	O/VL	TO BODY NO. 2 HARNESS
100A	BR/W	TO BODY NO. 2 HARNESS

22A	G	TO BODY NO. 2 HARNESS
23A	Y	TO BODY NO. 2 HARNESS
24A	L	TO BODY NO. 2 HARNESS
25A	-	TO BODY NO. 2 HARNESS
26A	GR	TO BODY NO. 2 HARNESS
27A	LG	TO BODY NO. 2 HARNESS
28A	LG	TO BODY NO. 2 HARNESS
29A	GR	TO BODY NO. 2 HARNESS
30A	-	TO BODY NO. 2 HARNESS
31A	W/R	TO BODY NO. 2 HARNESS
32A	G/R	TO BODY NO. 2 HARNESS
33A	-	TO BODY NO. 2 HARNESS
34A	SHIELD	TO BODY NO. 2 HARNESS
35A	P	TO BODY NO. 2 HARNESS
36A	B	TO BODY NO. 2 HARNESS
37A	-	TO BODY NO. 2 HARNESS
38A	R/B	TO BODY NO. 2 HARNESS
39A	G/O	TO BODY NO. 2 HARNESS
40A	V	TO BODY NO. 2 HARNESS
41A	SHIELD	TO BODY NO. 2 HARNESS
42A	SHIELD	TO BODY NO. 2 HARNESS
43A	R	TO BODY NO. 2 HARNESS
44A	G	TO BODY NO. 2 HARNESS
45A	-	TO BODY NO. 2 HARNESS
46A	-	TO BODY NO. 2 HARNESS
47A	Y	TO BODY NO. 2 HARNESS
48A	R/W	TO BODY NO. 2 HARNESS
49A	R/L	TO BODY NO. 2 HARNESS
50A	B	TO BODY NO. 2 HARNESS
51A	-	TO BODY NO. 2 HARNESS
52A	-	TO BODY NO. 2 HARNESS
53A	-	TO BODY NO. 2 HARNESS
54A	-	TO BODY NO. 2 HARNESS
55A	-	TO BODY NO. 2 HARNESS
56A	-	TO BODY NO. 2 HARNESS
57A	-	TO BODY NO. 2 HARNESS
58A	-	TO BODY NO. 2 HARNESS
59A	-	TO BODY NO. 2 HARNESS
60A	G/W	TO BODY NO. 2 HARNESS
61A	-	TO BODY NO. 2 HARNESS
62A	-	TO BODY NO. 2 HARNESS
63A	-	TO BODY NO. 2 HARNESS
64A	-	TO BODY NO. 2 HARNESS
65A	-	TO BODY NO. 2 HARNESS
66A	-	TO BODY NO. 2 HARNESS
67A	-	TO BODY NO. 2 HARNESS
68A	Y/R	TO BODY NO. 2 HARNESS
69A	R/G	TO BODY NO. 2 HARNESS
70A	-	TO BODY NO. 2 HARNESS
71A	-	TO BODY NO. 2 HARNESS
72A	W	TO BODY NO. 2 HARNESS
73A	G	TO BODY NO. 2 HARNESS
74A	W	TO BODY NO. 2 HARNESS

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	B	TO BODY NO. 2 HARNESS
9A	L/B	TO BODY NO. 2 HARNESS
10A	W	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	P/G	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	BR/Y	TO BODY NO. 2 HARNESS
21A	BG	TO BODY NO. 2 HARNESS

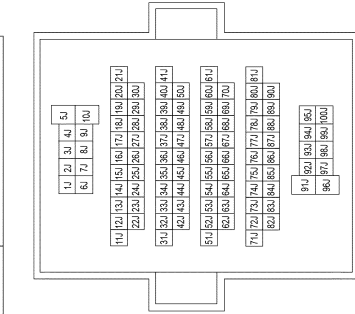
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INTERIOR ROOM LAMP

< WIRING DIAGRAM >

INTERIOR ROOM LAMP CONNECTORS

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



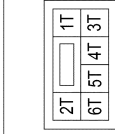
Terminal No.	Color of Wire	Signal Name
28J	L	TO BODY HARNESS
29J	G/O	TO BODY HARNESS
30J	SB	TO BODY HARNESS
31J	L/G	TO BODY HARNESS
32J	R	TO BODY HARNESS
33J	BG	TO BODY HARNESS
34J	Y	TO BODY HARNESS
35J	P	TO BODY HARNESS
36J	G/R	TO BODY HARNESS
37J	LG	TO BODY HARNESS
38J	SB	TO BODY HARNESS
39J	Y	TO BODY HARNESS
40J	SB	TO BODY HARNESS
41J	L	TO BODY HARNESS
42J	L	TO BODY HARNESS
43J	W	TO BODY HARNESS
44J	BR	TO BODY HARNESS
45J	BG	TO BODY HARNESS
46J	P	TO BODY HARNESS
47J	O	TO BODY HARNESS
48J	V	TO BODY HARNESS
49J	BR	TO BODY HARNESS
50J	G/W	TO BODY HARNESS
51J	-	TO BODY HARNESS
52J	SHIELD	TO BODY HARNESS
53J	R	TO BODY HARNESS
54J	L	TO BODY HARNESS
55J	R	TO BODY HARNESS
56J	W	TO BODY HARNESS
57J	R	TO BODY HARNESS
58J	B	TO BODY HARNESS
59J	-	TO BODY HARNESS
60J	SHIELD	TO BODY HARNESS
61J	G	TO BODY HARNESS
62J	-	TO BODY HARNESS
63J	R/W	TO BODY HARNESS
64J	L/W	TO BODY HARNESS
65J	SHIELD	TO BODY HARNESS
66J	B	TO BODY HARNESS
67J	SHIELD	TO BODY HARNESS
68J	W	TO BODY HARNESS
69J	SHIELD	TO BODY HARNESS
70J	B/R	TO BODY HARNESS
71J	L/W	TO BODY HARNESS
72J	-	TO BODY HARNESS
73J	-	TO BODY HARNESS
74J	SHIELD	TO BODY HARNESS
75J	R	TO BODY HARNESS
76J	O	TO BODY HARNESS
77J	SHIELD	TO BODY HARNESS
78J	W	TO BODY HARNESS
79J	B	TO BODY HARNESS
80J	W	TO BODY HARNESS

Terminal No.	Color of Wire	Signal Name
1J	G	TO BODY HARNESS
2J	R/Y	TO BODY HARNESS
3J	L	TO BODY HARNESS
4J	L/B	TO BODY HARNESS
5J	B	TO BODY HARNESS
6J	BR	TO BODY HARNESS
7J	BG	TO BODY HARNESS
8J	SB	TO BODY HARNESS
9J	BR	TO BODY HARNESS
10J	R	TO BODY HARNESS
11J	O/B	TO BODY HARNESS
12J	L	TO BODY HARNESS
13J	W	TO BODY HARNESS
14J	Y	TO BODY HARNESS
15J	-	TO BODY HARNESS
16J	R	TO BODY HARNESS
17J	G	TO BODY HARNESS
18J	SB	TO BODY HARNESS
19J	O	TO BODY HARNESS
20J	O/B	TO BODY HARNESS
21J	Y	TO BODY HARNESS
22J	P	TO BODY HARNESS
23J	W	TO BODY HARNESS
24J	W/R	TO BODY HARNESS
25J	P	TO BODY HARNESS
26J	L	TO BODY HARNESS
27J	R	TO BODY HARNESS

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Terminal No.	Color of Wire	Signal Name
81J	SHIELD	TO BODY HARNESS
82J	L/R	TO BODY HARNESS
83J	-	TO BODY HARNESS
84J	-	TO BODY HARNESS
85J	W	TO BODY HARNESS
86J	G	TO BODY HARNESS
87J	W	TO BODY HARNESS
88J	SHIELD	TO BODY HARNESS
89J	R	TO BODY HARNESS
90J	L	TO BODY HARNESS
91J	L/B	TO BODY HARNESS
92J	SB	TO BODY HARNESS
93J	B	TO BODY HARNESS
94J	LG	TO BODY HARNESS
95J	L	TO BODY HARNESS
96J	G	TO BODY HARNESS
97J	B/Y	TO BODY HARNESS
98J	L/B	TO BODY HARNESS
99J	W/L	TO BODY HARNESS
100J	Y	TO BODY HARNESS

Connector No.	M60
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS08FW-CS
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
1T	-	-
2T	SB	BATTERY
3T	R	RR DEF RLY
4T	G	BATTERY
5T	-	-
6T	-	-

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



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

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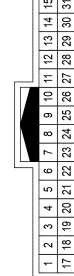
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INTERIOR ROOM LAMP


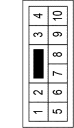
< WIRING DIAGRAM >

INTERIOR ROOM LAMP CONNECTORS

Connector No.	M74
Connector Name	WIRE TO WIRE
Connector Type	TH32MW-NH
Connector Color	WHITE






Connector No.	M75
Connector Name	WIRE TO WIRE
Connector Type	NST0MW-CS
Connector Color	WHITE


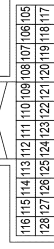



Terminal No.	Color of Wire	Signal Name
1	BR	TO FRONT DOOR RH HARNESS
2	V	TO FRONT DOOR RH HARNESS
3	BR	TO FRONT DOOR RH HARNESS
4	L	TO FRONT DOOR RH HARNESS
5	-	TO FRONT DOOR RH HARNESS
6	R/W	TO FRONT DOOR RH HARNESS
7	R/G	TO FRONT DOOR RH HARNESS
8	B	TO FRONT DOOR RH HARNESS
9	W	TO FRONT DOOR RH HARNESS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

Terminal No.	Color of Wire	Signal Name
1	B/W	TO FRONT DOOR RH HARNESS
2	B	TO FRONT DOOR RH HARNESS
3	W/L	TO FRONT DOOR RH HARNESS
4	V	TO FRONT DOOR RH HARNESS
5	W/B	TO FRONT DOOR RH HARNESS
6	G/Y	TO FRONT DOOR RH HARNESS
7	W/B	TO FRONT DOOR RH HARNESS
8	L/B	TO FRONT DOOR RH HARNESS
9	G/Y	TO FRONT DOOR RH HARNESS
10	-	TO FRONT DOOR RH HARNESS


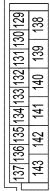
Connector No.	M80
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH24FB-NH
Connector Color	BLACK

Terminal No.	Color of Wire	Signal Name
105	G/Y	FR FLASHER
106	-	-
107	W	LOW SIDE START SW LED
108	L/R	SHIFT LOCK SOLENOID OUT
109	-	-
110	-	-
111	P	ACC LED
112	-	-
113	L	ACC RELAY OUT
114	W	AS DOOR ANT A
115	BG	AS DOOR ANT B
116	W	ROOM ANT 2 A

117	G/B	FL FLASHER
118	-	-
119	R	RF NIMOCO
120	-	-
121	G	DR DOOR ANT B
122	P	DR DOOR ANT A
123	W	ROOM ANT 1 A
124	G	ROOM ANT 1 B
125	-	-
126	P	IMMO START BUTTON ANT B
127	BG	IMMO START BUTTON ANT A
128	B	ROOM ANT 2 B


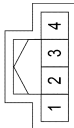
Connector No.	M81
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	FEA09FW-FH46-SA
Connector Color	WHITE

137	138	139	140	141	142	143
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Terminal No.	Color of Wire	Signal Name
129	R/G	BATTERY SAVER OUT
130	LG	SUPER LOCK/DOOR UNLOCK AS
131	W	BAT BGM FUSE
132	Y	DOOR LOCK AS/RR/L
133	BR	DOOR UNLOCK AS/RR/L
134	B	GND2
135	O	DOOR LOCK DR/AS/FL
136	L	ROOM LAMP CONT
137	V	DOOR UNLOCK DR/AS/FL
138	V	BAT REAR DOOR
139	W	BAT-POWER F/L
140	LG	P/W POWER SUPPLY IGN
141	V	P/W POWER SUPPLY BAT
142	Y	BAT FRONT DOOR
143	B	GND1

Connector No.	M86
Connector Name	REMOTE KEYLESS ENTRY RECEIVER
Connector Type	AAC04FB
Connector Color	BLACK

Terminal No.	Color of Wire	Signal Name
1	BG	BATTERY
2	R	RF NIMOCO
3	B	GND
4	-	-

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



Terminal No.	Color of Wire	Signal Name
1	R/G	BAT SAVER +
2	R/W	STEP LAMP-

INTERIOR ROOM LAMP



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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

20	W/B	TO MAIN HARNESS
21	-	TO MAIN HARNESS
22	-	TO MAIN HARNESS
23	-	TO MAIN HARNESS
24	-	TO MAIN HARNESS
25	-	TO MAIN HARNESS
26	-	TO MAIN HARNESS
27	-	TO MAIN HARNESS
28	Y/R	TO MAIN HARNESS
29	G/R	TO MAIN HARNESS
30	G/W	TO MAIN HARNESS
31	LG/B	TO MAIN HARNESS
32	Y/V	TO MAIN HARNESS

Terminal No.	Color of Wire	Signal Name
1	R/G	BAT SAVER +
2	R/W	STEP LAMP -


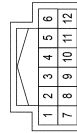
Terminal No.	Color of Wire	Signal Name
1	R/Y	CARGO BED LAMP
2	G	BATTERY
3	LG	ACCESSORY
5	G	BATTERY

Connector No.	M149
Connector Name	CARGO LAMP SWITCH
Connector Type	TK08FW-1V
Connector Color	WHITE




Terminal No.	Color of Wire	Signal Name
1	R/G	BAT SAVER +
2	B	GND
3	L	ROOM LAMP CONT

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

Terminal No.	Color of Wire	Signal Name
1	P/L	CARGO LAMP SW
2	GR	ILLUMINATION -
3	B	GND
4	L	ILLUMINATION +
5	-	-
6	-	-

Terminal No.	Color of Wire	Signal Name
1	SHIELD	TO MAIN HARNESS
2	R	TO MAIN HARNESS
3	W	TO MAIN HARNESS
4	Y/R	TO MAIN HARNESS
5	G/W	TO MAIN HARNESS
6	G/R	TO MAIN HARNESS
7	B	TO MAIN HARNESS
8	L	TO MAIN HARNESS
9	R/G	TO MAIN HARNESS
10	G	TO MAIN HARNESS
11	L/W	TO MAIN HARNESS
12	L	TO MAIN HARNESS
13	GR	TO MAIN HARNESS
14	R	TO MAIN HARNESS
15	W/B	TO MAIN HARNESS
16	L/B	TO MAIN HARNESS
17	-	TO MAIN HARNESS
18	P	TO MAIN HARNESS
19	W/L	TO MAIN HARNESS

Terminal No.	Color of Wire	Signal Name
1	R/G	ROOM LAMP POWER
2	B	GROUND

Terminal No.	Color of Wire	Signal Name
1	R/G	BATTERY SAVER +
2	-	-
3	-	-
4	L	ROOM LAMP CONT
5	L	ILLUMINATION +
6	-	-
7	B	GND
8	GR	ILLUMINATION -
9	-	-
10	-	-
11	-	-
12	-	-

Terminal No.	Color of Wire	Signal Name
1	R/G	ROOM LAMP POWER
2	B	GROUND

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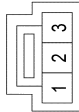
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INTERIOR ROOM LAMP

< 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	R/G	BATT SAVER +
2	B	GND
3	L	ROOM LAMP CONT

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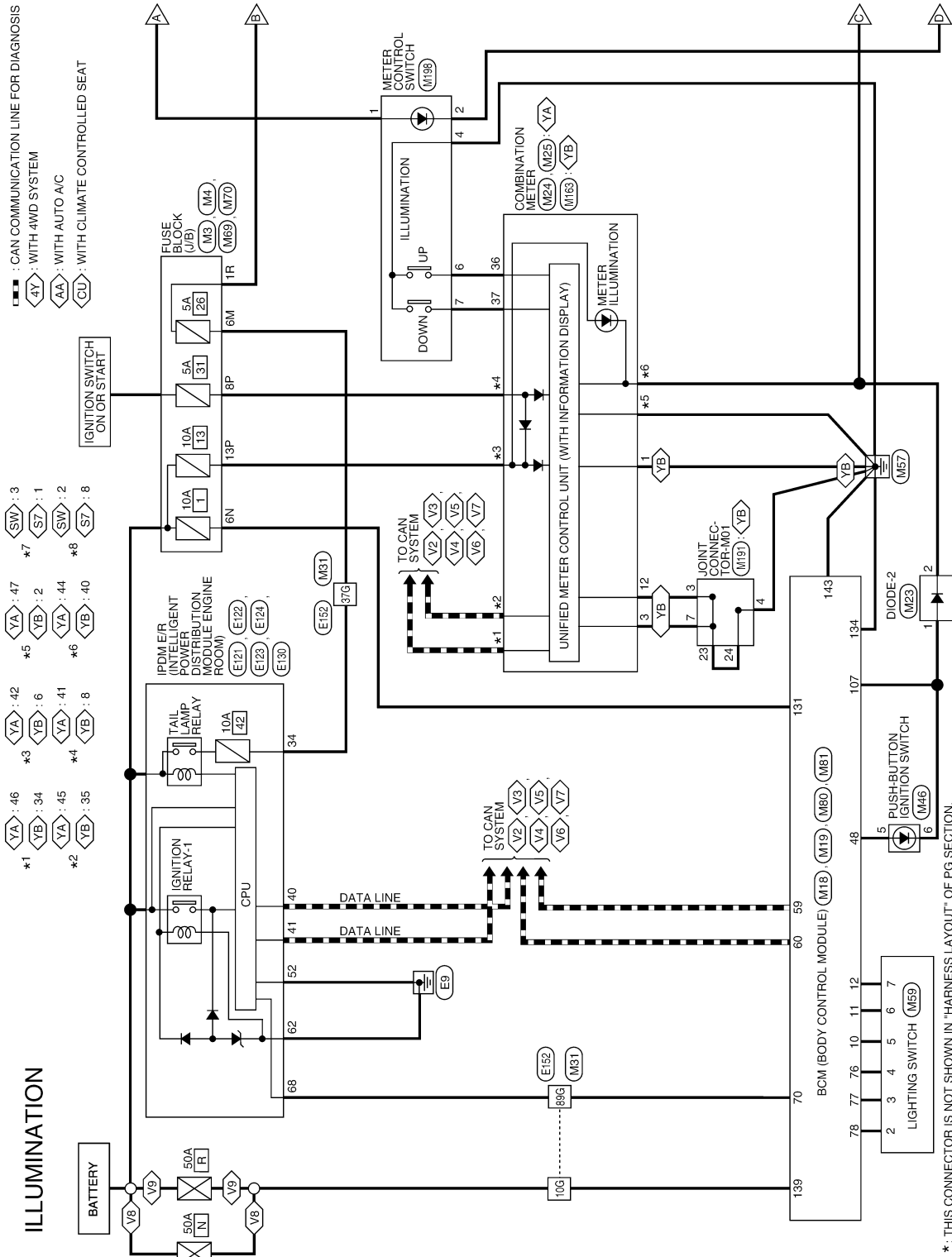
ILLUMINATION

< WIRING DIAGRAM >

ILLUMINATION

Wiring Diagram

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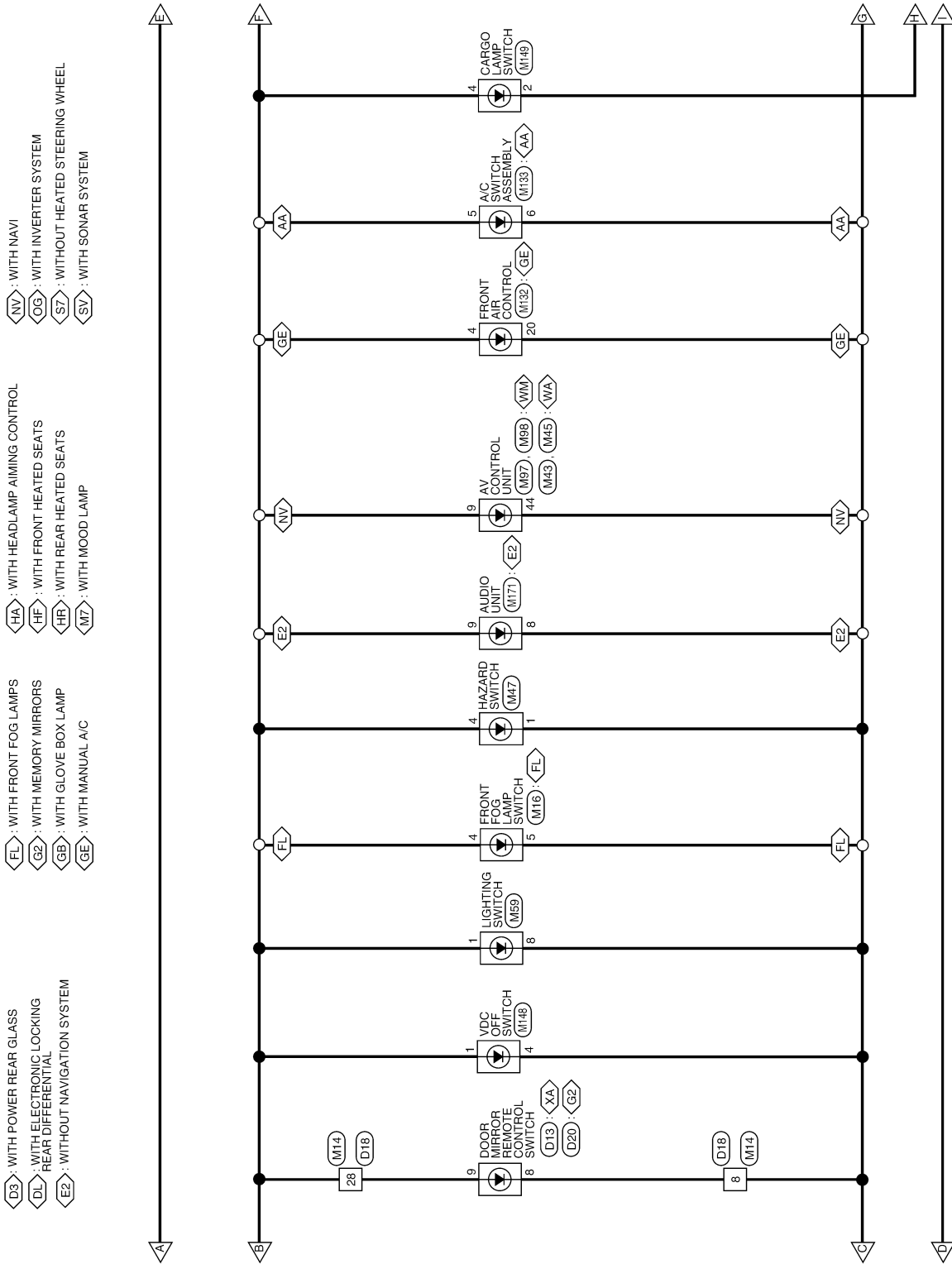
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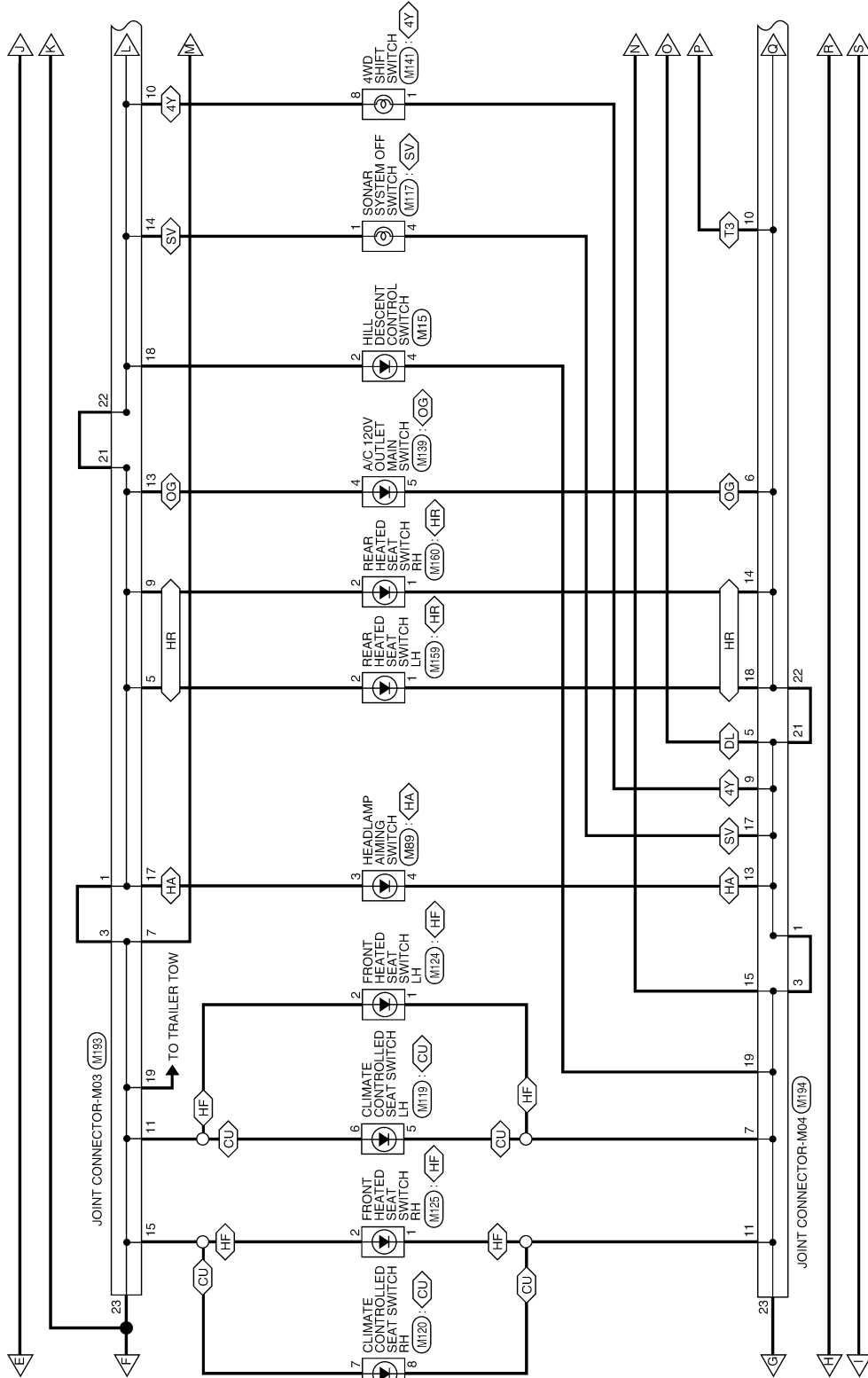
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ILLUMINATION

< WIRING DIAGRAM >

- <V3> : WITH VK56VD AND WITHOUT DRIVER ASSISTANCE SYSTEM
- <V4> : CAN GATEWAY SYSTEM WITH Cummins 5.0L
- <V5> : WITH Cummins 5.0L AND WITHOUT NAVIGATION
- <V6> : WITH Cummins 5.0L AND WITH NAVIGATION WITH BLIND SPOT WARNING SYSTEMS

- <SW> : WITH HEATED STEERING WHEEL
- <T3> : WITH TRAILER BRAKE
- <TH> : WITH TELEMATICS SYSTEM
- <V2> : WITH VK56VD AND WITH DRIVER ASSISTANCE SYSTEM

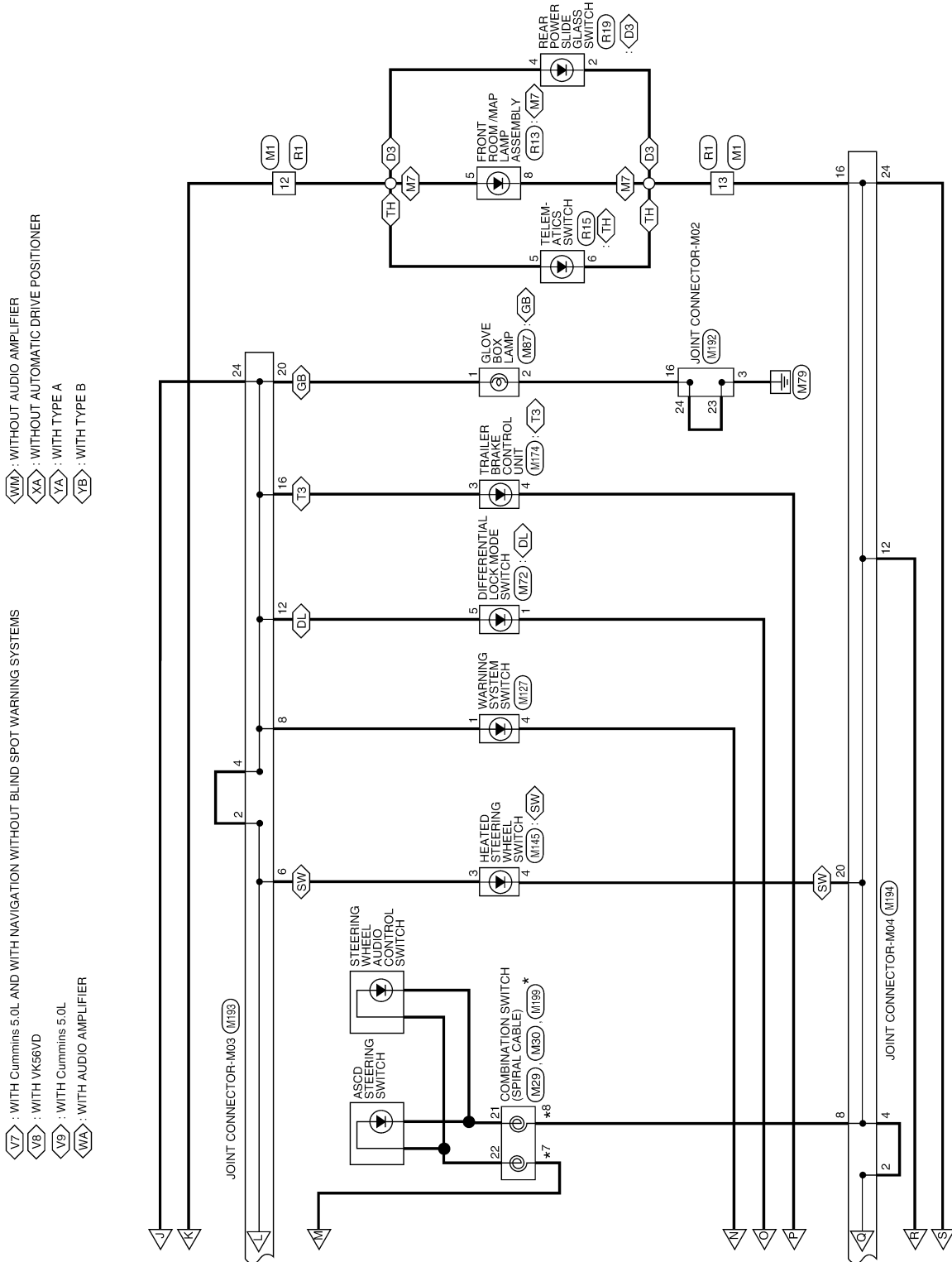


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ILLUMINATION

< WIRING DIAGRAM >



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ILLUMINATION

< WIRING DIAGRAM >

ILLUMINATION CONNECTORS

Connector No.	D13
Connector Name	DOOR MIRROR REMOTE CONTROL SWITCH (WITHOUT AUTOMATIC DRIVE POSITIONER)
Connector Type	TK16FW
Connector Color	WHITE



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

Terminal No.	Color of Wire	Signal Name
1	B	GROUND
2	-	-
3	-	-
4	-	-
5	-	-
6	-	-
7	R	ACCESSORY POWER
8	GR	ILLUMINATION -
9	L	ILLUMINATION +
10	BG	MC LH DOOR
11	-	-
12	SB	MC RH DOOR
13	G	MB RH DOOR
14	Y	MB LH DOOR
15	BR	MA RH DOOR
16	LG	MA LH DOOR

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



20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21

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

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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	V/W	TO MAIN HARNESS
21	BR	TO MAIN HARNESS - (WITHOUT MEMORY MIRRORS)
21	BG	TO MAIN HARNESS - (WITH MEMORY MIRRORS)
22	V	TO MAIN HARNESS
23	G	TO MAIN HARNESS - (WITHOUT MEMORY MIRRORS)
23	L	TO MAIN HARNESS - (WITH 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	-	TO MAIN HARNESS
37	-	TO MAIN HARNESS
38	LG	TO MAIN HARNESS
39	SB	TO MAIN HARNESS
40	L	TO MAIN HARNESS

Connector No.	D20
Connector Name	DOOR MIRROR REMOTE CONTROL SWITCH (WITH MEMORY MIRRORS)
Connector Type	TK16FBR
Connector Color	BROWN



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

Terminal No.	Color of Wire	Signal Name
1	R	ACCESSORY POWER
2	-	-
3	-	-
4	Y	MIRROR SW RIGHTWARD
5	-	-
6	-	-
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	-	-

Connector No.	E121
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	NS12FBR-CS
Connector Color	BROWN



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

Terminal No.	Color of Wire	Signal Name
25	W	ECM VB - (WITH VK66VD)
25	BR	ECM VB - (WITH CUMMINS 5.0L)
26	V	02 SENS - (WITH VK66VD)

27	R/L	PARKING RH
28	R/L	TAIL 1
29	Y	FR WIPER HI
30	-	-
31	L	ECM RLY CONT
32	L	ECM BAT - (WITH VK66VD)
33	R/L	PARKING LH
34	R/W	TAIL 2
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



42	41	40	39	38	37
48	47	46	45	44	43

Terminal No.	Color of Wire	Signal Name
37	-	-
38	-	-
39	L/Y	WIPER AUTO STOP SW
40	P	CAN-L
41	L	CAN-H
42	BR	DTL RLY
43	-	-
44	W/B	START CONT
45	GR	FUEL RLY CONT
46	Y	HOOD SW
47	Y	ALT C - (WITH VK66VD)
48	R/W	HORN RLY CONT

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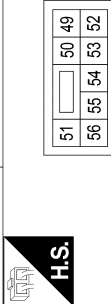
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ILLUMINATION

< 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



H.S.

Terminal No.	Color of Wire	Signal Name
48	Y/B	A/C COMP. - (WITH CUMMINS 5.0L)
49	GR/R	A/C COMP. - (WITH VK56VD)
50	BR	TRAILER TOW
51	-	-
52	B	S-GND
53	-	-
54	-	-
55	-	-
56	-	-



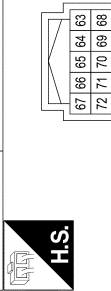
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Connector No.	E124
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	M08FB-LC
Connector Color	BLACK

Terminal No.	Color of Wire	Signal Name
57	W/B	RR DEF
58	BR	FUEL PUMP - (WITH CUMMINS 5.0L)
59	B/Y	FUEL PUMP - (WITH VK56VD)
60	-	-
61	-	-
62	B	P GND

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Connector No.	E130
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	TH10FB-NH
Connector Color	BLACK



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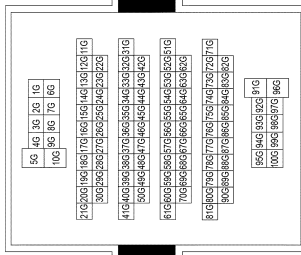
Terminal No.	Color of Wire	Signal Name
63	-	-
64	R	DETENT SW
65	-	-
66	P	PUSH START SW
67	-	-
68	L	IGN SIGNAL
69	-	-
70	-	-
71	SB	HOOD SW2
72	W	E-PLG. - (WITH VK56VD)

ILLUMINATION

< WIRING DIAGRAM >

ILLUMINATION CONNECTORS

Connector No.	ET152
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CST6-TM4
Connector Color	WHITE



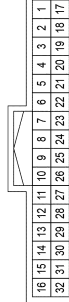
Terminal No.	Color of Wire	Signal Name
1G	G	TO MAIN HARNESS
2G	B/R	TO MAIN HARNESS
3G	W/B	TO MAIN HARNESS
4G	B/W	TO MAIN HARNESS
5G	BR	TO MAIN HARNESS
6G	P	TO MAIN HARNESS - (WITH V656VD)
6G	R/W	TO MAIN HARNESS - (WITH CUMMINS 5.0L)
7G	Y	TO MAIN HARNESS
8G	G	TO MAIN HARNESS
9G	R	TO MAIN HARNESS
10G	W	TO MAIN HARNESS
11G	R/G	TO MAIN HARNESS
12G	W/B	TO MAIN HARNESS
13G	BR	TO MAIN HARNESS
14G	Y/B	TO MAIN HARNESS
15G	G/W	TO MAIN HARNESS
16G	G	TO MAIN HARNESS
17G	G/Y	TO MAIN HARNESS
18G	G/Y	TO MAIN HARNESS
19G	Y/W	TO MAIN HARNESS
20G	G/Y	TO MAIN HARNESS
21G	B/Y	TO MAIN HARNESS
22G	G/R	TO MAIN HARNESS
23G	Y/R	TO MAIN HARNESS

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24G	G/B	TO MAIN HARNESS
25G	R/W	TO MAIN HARNESS
26G	R	TO MAIN HARNESS
27G	LG	TO MAIN HARNESS
28G	G/B	TO MAIN HARNESS
29G	G/B	TO MAIN HARNESS
30G	B/Y	TO MAIN HARNESS
31G	P	TO MAIN HARNESS - (WITH CUMMINS 5.0L)
31G	R	TO MAIN HARNESS - (WITH V656VD)
32G	P	TO MAIN HARNESS
33G	Y/L	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 5.0L)
43G	G	TO MAIN HARNESS - (WITH V656VD)
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	R/W	TO MAIN HARNESS

72G	L/W	TO MAIN HARNESS
73G	SHIELD	TO MAIN HARNESS
74G	W	TO MAIN HARNESS
75G	R	TO MAIN HARNESS
76G	R/G	TO MAIN HARNESS
77G	G	TO MAIN HARNESS
78G	W	TO MAIN HARNESS
79G	-	TO MAIN HARNESS
80G	R	TO MAIN HARNESS
81G	L	TO MAIN HARNESS
82G	R	TO MAIN HARNESS
83G	L	TO MAIN HARNESS
84G	L	TO MAIN HARNESS
85G	W/B	TO MAIN HARNESS
86G	B/R	TO MAIN HARNESS
87G	W/B	TO MAIN HARNESS
88G	P	TO MAIN HARNESS
89G	L	TO MAIN HARNESS
90G	G	TO MAIN HARNESS
91G	G	TO MAIN HARNESS
92G	V/W	TO MAIN HARNESS
93G	BR	TO MAIN HARNESS
94G	G	TO MAIN HARNESS
95G	G	TO MAIN HARNESS
96G	W	TO MAIN HARNESS
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99G	BR	TO MAIN HARNESS
100G	GR/W	TO MAIN HARNESS

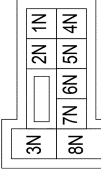
Connector No.	M1
Connector Name	WIRE TO WIRE
Connector Type	TH32FW-NH
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
1	SHIELD	TO ROOM LAMP HARNESS
2	R	TO ROOM LAMP HARNESS
3	W	TO ROOM LAMP HARNESS
4	SB	TO ROOM LAMP HARNESS
5	G/W	TO ROOM LAMP HARNESS
6	G/R	TO ROOM LAMP HARNESS
7	B	TO ROOM LAMP HARNESS
8	L	TO ROOM LAMP HARNESS
9	R/G	TO ROOM LAMP 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	L/B	TO ROOM LAMP HARNESS
17	-	TO ROOM LAMP HARNESS
18	P	TO ROOM LAMP HARNESS
19	W/L	TO ROOM LAMP HARNESS
20	W/B	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	G/R	TO ROOM LAMP HARNESS
30	G/W	TO ROOM LAMP HARNESS
31	L/G/B	TO ROOM LAMP 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
1N	O	IGN
2N	W	BATTERY
3N	W	IGNITION
4N	V	BATTERY
5N	Y	BATTERY
6N	W	BATTERY
7N	L	ACC RELAY OUT
8N	W	IGNITION

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ILLUMINATION

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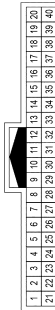
ILLUMINATION CONNECTORS

Connector No.	M4
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS16FW-CS
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
1P	R	IGNITION
2P	Y	IGNITION
3P	G	IGNITION RELAY OUT
4P	B/W	RR DEF RLY
5P	B/W	RR DEF RLY
6P	O	RR DEF RLY OUT
7P	G	IGNITION
8P	W	IGNITION
9P	L	BATTERY
10P	-	-
11P	-	-
12P	-	-
13P	R	BATTERY
14P	Y	BATTERY
15P	Y/LG	BATTERY
16P	W	BLOWER FAN RELAY OUT

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

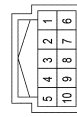


Terminal No.	Color of Wire	Signal Name
1	SB	TO FRONT DOOR LH HARNESS (WITHOUT MEMORY MIRRORS)
2	LG	TO FRONT DOOR LH HARNESS (WITH MEMORY MIRRORS)
3	SB	TO FRONT DOOR LH HARNESS
4	B	TO FRONT DOOR LH HARNESS
5	V	TO FRONT DOOR LH HARNESS

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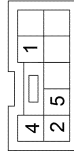
6	SB	TO FRONT DOOR LH HARNESS
7	Y	TO FRONT DOOR LH HARNESS
8	GR	TO FRONT DOOR LH HARNESS
9	L	TO FRONT DOOR LH HARNESS
10	W	TO FRONT DOOR LH HARNESS
11	B	TO FRONT DOOR LH HARNESS
12	R/G	TO FRONT DOOR LH HARNESS
13	G	TO FRONT DOOR LH HARNESS
14	P	TO FRONT DOOR LH HARNESS
15	O	TO FRONT DOOR LH HARNESS
16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

Connector No.	M15
Connector Name	HILL DESCENT CONTROL SWITCH
Connector Type	TH10FGY-NH
Connector Color	GRAY



Terminal No.	Color of Wire	Signal Name
1	-	-
2	L	ILLUMINATION +
3	-	-
4	GR	ILLUMINATION -
5	-	-
6	B	GND
7	-	-
8	-	-
9	G	HDC ON
10	-	-

Connector No.	M16
Connector Name	FRONT FOG LAMP SWITCH
Connector Type	TK08FW
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
1	L/W	INPUT 5
2	G/Y	OUTPUT 4
3	-	-
4	L	ILLUMINATION +
5	GR	ILLUMINATION -
6	-	-
7	-	-
8	-	-

ILLUMINATION

< WIRING DIAGRAM >

ILLUMINATION CONNECTORS

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

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

Terminal No.	Color of Wire	Signal Name
1	G	ENG START SW NO ESCL
2	-	-
3	R	ALL POWER SUPPLY SV
4	W/R	ALL SIGNAL
5	-	-
6	-	-
7	-	-
8	-	-
9	-	-
10	SB	COMBI SW IN 5
11	G/Y	COMBI SW IN 4
12	Y	COMBI SW IN 3
13	G/B	COMBI SW IN 2
14	V	COMBI SW IN 1
15	-	-
16	-	-
17	P	GND RF A/L
18	V	SECURITY INDICATOR
19	-	-
20	R	SHIFT P
21	R/W	STEP LAMP CONT
22	-	-
23	Y	AIRCON SW
24	-	-
25	W	BRAKE SW FUSE
26	L	SHORT IN PIN INPUT
27	R/G	BRAKE SW LAMP
28	-	-
29	W	BLOWER FAN SW
30	P	DR DOOR LOCK STATUS
31	-	-
32	Y	REAR DEFOGGER SW
33	-	-
34	-	-
35	R/G	REVERSE SW
36	W/B	HAZARD SW
37	-	-
38	-	-

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39	B/R	SHIFT N/P
40	-	-

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

60	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41
40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21

H.S.

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	W/L	PW UART
55	W/B	LAR SENSOR K-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	MP 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
78	O/B	COMBI SW OUT 2
79	R/W	COMBI SW OUT 1
80	-	-

Connector No.	M23
Connector Name	DIODE-2
Connector Type	24335 C9902
Connector Color	BLACK

2	1
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H.S.

Terminal No.	Color of Wire	Signal Name
1	W	START SW LED
2	GR	ILLUMINATION -

Connector No.	M24
Connector Name	COMBINATION METER (WITH TYPE A)
Connector Type	TH40FW-NH
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	33	34	35	36	37	38	39	40

H.S.

Terminal No.	Color of Wire	Signal Name
1	B	GND/STRG/SATELLITE SW (GND)
2	-	-
3	-	-
4	-	-
5	-	-
6	-	-
7	V	SECURITY
8	-	-
9	B/G	AS BELT SW (W/O ODS)
10	L/G	TOW MODE SW
11	BR	CHG
12	BR	LED HEAD LAMP (R)
13	W	LED HEAD LAMP (L)

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ILLUMINATION

< WIRING DIAGRAM >

ILLUMINATION CONNECTORS

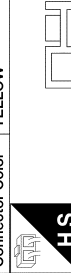
Connector No.	M25
Connector Name	COMBINATION METER (WITH TYPE A)
Connector Type	TH12FW-NH
Connector Color	WHITE



H.S.

Terminal No.	Color of Wire	Signal Name
41	W	IGN
42	R	BAT
43	VV	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

Connector No.	M29
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TK08FY-EX-1V
Connector Color	YELLOW



H.S.

Terminal No.	Color of Wire	Signal Name
1	L	ILL (-) - (WITHOUT HEATED STEERING WHEEL)
1	R/W	HORN SW - (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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6	Y	DR1 (+)
Connector No.	M30	
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)	
Connector Type	TK08FGY-1V	
Connector Color	GRAY	



H.S.

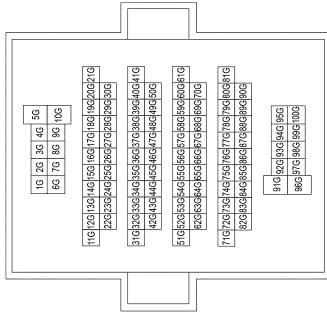
Terminal No.	Color of Wire	Signal Name
7	B/Y	ASCD GND - (WITH HEATED STEERING WHEEL)
8	R	AUDIO STRG SW REMOTE B - (WITH HEATED STEERING WHEEL)
8	GR	ILL (-) - (WITHOUT HEATED STEERING WHEEL)
9	P	AUDIO STRG SW REMOTE A - (WITH HEATED STEERING WHEEL)
9	G/Y	ASCD SW - (WITHOUT HEATED STEERING WHEEL)
10	G/Y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

ILLUMINATION

< WIRING DIAGRAM >

ILLUMINATION CONNECTORS

Connector No.	M31
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4
Connector Color	WHITE

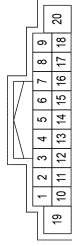


Terminal No.	Color of Wire	Signal Name
1G	G	TO ENGINE ROOM HARNESS
2G	B/R	TO ENGINE ROOM HARNESS
3G	W	TO ENGINE ROOM HARNESS
4G	B/W	TO ENGINE ROOM HARNESS
5G	BR	TO ENGINE ROOM HARNESS
6G	R/W	TO ENGINE ROOM HARNESS
7G	Y	TO ENGINE ROOM HARNESS
8G	G	TO ENGINE ROOM HARNESS
9G	R	TO ENGINE ROOM HARNESS
10G	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/W	TO ENGINE ROOM HARNESS
20G	G/R	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

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80G	R	TO ENGINE ROOM HARNESS
81G	L	TO ENGINE ROOM HARNESS
82G	R	TO ENGINE ROOM HARNESS
83G	L	TO ENGINE ROOM HARNESS
84G	L	TO ENGINE ROOM HARNESS
85G	W	TO ENGINE ROOM HARNESS
86G	B/R	TO ENGINE ROOM HARNESS
87G	W	TO ENGINE ROOM HARNESS
88G	G	TO ENGINE ROOM HARNESS
89G	P	TO ENGINE ROOM HARNESS
90G	G	TO ENGINE ROOM HARNESS
91G	P	TO ENGINE ROOM HARNESS
92G	V/W	TO ENGINE ROOM HARNESS
93G	BR	TO ENGINE ROOM HARNESS
94G	B	TO ENGINE ROOM HARNESS
95G	G	TO ENGINE ROOM HARNESS
96G	R	TO ENGINE ROOM HARNESS
97G	R	TO ENGINE ROOM HARNESS
98G	W/B	TO ENGINE ROOM HARNESS
99G	R	TO ENGINE ROOM HARNESS
100G	GR/W	TO ENGINE ROOM HARNESS

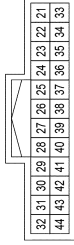
Connector No.	M43
Connector Name	AV CONTROL UNIT (WITH AUDIO AMPLIFIER)
Connector Type	NH18FW-CS2
Connector Color	WHITE



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	-	-
7	R	ACC
8	L	CAN-H
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	P	CAN-L
18	G	SPEED SIG
19	W	BAT
20	B	GND

Connector No.	M45
Connector Name	AV CONTROL UNIT (WITH AUDIO AMPLIFIER)
Connector Type	TH24FW-NH
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
21	LG	M CAN2-L
22	SB	M CAN2-H
23	L	MR OUTPUT
24	-	-
25	-	-
26	-	-
27	-	-
28	G/W	REVERSE SIGNAL
29	-	-
30	V	AUX L
31	GR	AUX GND
32	G	AUX R
33	L/W	CAMERA GND
34	L	CAMERA ON
35	R/W	COMP. (WITH REAR VIEW CAMERA)
36	SHIELD	COMP. (WITH AROUND VIEW CAMERA)
37	R	COMP. (WITH REAR VIEW CAMERA)
38	G	COMP. (WITH AROUND VIEW CAMERA)
39	G/R	IGN
40	LG	M CAN1-L
41	SB	M CAN1-H
42	SHIELD	AUX SHIELD
43	SHIELD	AUX SHIELD
44	R	MIC GND
45	W	MIC VCC(WITHOUT TELEMATICS)
46	GR	ILL (-)

A B C D E F G H I J K L M N O P

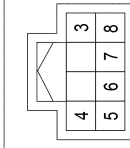
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ILLUMINATION

< WIRING DIAGRAM >

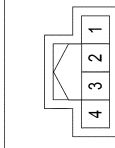
ILLUMINATION CONNECTORS

Connector No.	M46
Connector Name	PUSH-BUTTON IGNITION SWITCH
Connector Type	TH08FW-NH
Connector Color	WHITE



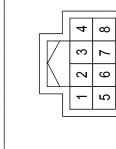
Terminal No.	Color of Wire	Signal Name
3	BG	BATTERY
4	B	GND
5	R	HIGH SIDE START SW LED
6	W	ILLUMINATION -
7	P	ACC LED
8	G	ENG START SW NO ESCL

Connector No.	M47
Connector Name	HAZARD SWITCH
Connector Type	TH04FW-NH
Connector Color	WHITE



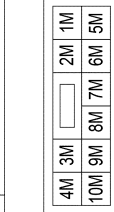
Terminal No.	Color of Wire	Signal Name
1	W/B	ILLUMINATION -
2	W/B	HAZARD SW
3	B	GND
4	GR	ILLUMINATION +

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



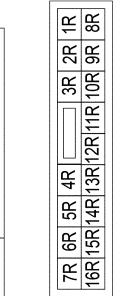
Terminal No.	Color of Wire	Signal Name
1	L	ILLUMINATION +
2	BR	INPUT 2
3	Y	INPUT 3
4	G	INPUT 4
5	L	INPUT 5
6	P	OUTPUT 4
7	Y	OUTPUT 3
8	GR	ILLUMINATION -

Connector No.	M69
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS10FW-CS
Connector Color	WHITE



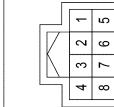
Terminal No.	Color of Wire	Signal Name
1M	GR	IGNITION
2M	-	-
3M	-	-
4M	-	-
5M	R/Y	BATTERY
6M	R/W	TAIL LAMP 2
7M	-	-
8M	-	-
9M	-	-
10M	W/R	IGNITION

Connector No.	M70
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS16FR-CS
Connector Color	BROWN



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

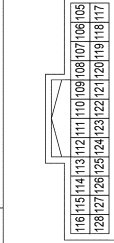
Connector No.	M72
Connector Name	DIFFERENTIAL LOCK MODE SWITCH
Connector Type	TH08FB-NH
Connector Color	BLACK



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

7	G/O	DIFF LOCK ON SW
8	O	DIFF LOCK OFF SW

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




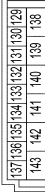
Terminal No.	Color of Wire	Signal Name
105	G/Y	FR FLASHER
106	-	-
107	W	LOW SIDE START SW LED
108	L/R	SHIFT LOCK SOLENOID OUT
109	-	-
110	-	-
111	P	ACC LED
112	-	-
113	L	ACC RELAY OUT
114	W	AS DOOR ANT A
115	BG	AS DOOR ANT B
116	W	ROOM ANT 2 A
117	G/B	FL FLASHER
118	-	-
119	R	RF NIMOCO
120	-	-
121	G	DR DOOR ANT B
122	P	DR DOOR ANT A
123	W	ROOM ANT 1 A
124	G	ROOM ANT 1 B
125	-	-
126	P	IMMO START BUTTON ANT B
127	BG	IMMO START BUTTON ANT A
128	B	ROOM ANT 2 B

ILLUMINATION

< WIRING DIAGRAM >



ILLUMINATION CONNECTORS

Connector No.	M81
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	FEA09FW-FHAG-SA
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
129	R/G	BATTERY SAVER OUT
130	LG	SUPER LOCK/DOOR UNLOCK AS
131	W	BAT BCM FUSE
132	Y	DOOR LOCK AS/RR/RL
133	BR	DOOR UNLOCK AS/RR/RL
134	B	GND2
135	O	DOOR LOCK DR/AS/FL
136	L	ROOM LAMP CONT
137	V	DOOR UNLOCK DR/AS/FL
138	V	BAT REAR DOOR
139	W	BAT-POWER F/L
140	LG	P/W POWER SUPPLY IGN
141	V	P/W POWER SUPPLY BAT
142	Y	BAT FRONT DOOR
143	B	GND1

Connector No.	M87
Connector Name	GLOVE BOX LAMP
Connector Type	WBS-1006N
Connector Color	BROWN


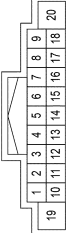
Terminal No.	Color of Wire	Signal Name
1	L	ILLUMINATION +
2	B	GND

Connector No.	M89
Connector Name	HEADLAMP AIMING SWITCH
Connector Type	TH04FW-NH
Connector Color	WHITE

Terminal No.	Color of Wire	Signal Name
1	BR	AIMER SIG
2	B	GND
3	L	ILLUMINATION +
4	GR	ILLUMINATION -



Connector No.	M97
Connector Name	AV CONTROL UNIT (WITHOUT AUDIO AMPLIFIER)
Connector Type	NH18FW-CS2
Connector Color	WHITE

Terminal No.	Color of Wire	Signal Name
1	-	-
2	L/W	FR SP LH+
3	L/R	FR SP LH-
4	SB	RR SP LH+
5	B/Y	RR SP LH-
6	-	-
7	R	ACC
8	L	CAN-H
9	L	ILL (+)
10	-	-
11	W/B	FR SP RH+
12	L/B	FR SP RH-
13	O/L	RR SP RH+
14	R/L	RR SP RH-
15	-	-
16	-	-


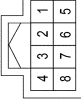
17	P	CAN-L
18	G	SPEED SIG
19	W	BAT
20	B	GND

Connector No.	M88
Connector Name	AV CONTROL UNIT (WITHOUT AUDIO AMPLIFIER)
Connector Type	TH24FW-NH
Connector Color	WHITE

Terminal No.	Color of Wire	Signal Name
21	LG	M CAN2-L
22	SB	M CAN2-H
23	L	MR OUTPUT
24	-	-
25	-	-
26	-	-
27	-	-
28	G/W	REVERSE SIGNAL
29	-	-
30	V	AUX L
31	GR	AUX GND
32	G	AUX R
33	L/W	CAMERA GND
34	L	CAMERA ON
35	R/W	COMP. (WITH REAR VIEW CAMERA)
36	R	COMP+ (WITH REAR VIEW CAMERA)
37	G/R	IGN
38	LG	M CAN1-L
39	SB	M CAN1-H
40	SHIELD	AUX SHIELD
41	SHIELD	MIC GND
42	R	MIC VCC
43	W	MIC SIGNAL
44	GR	ILL (-)

Connector No.	M117
Connector Name	SONAR SYSTEM OFF SWITCH
Connector Type	TH08FGY-NH
Connector Color	GRAY

Terminal No.	Color of Wire	Signal Name
1	L	ILLUMINATION +
2	-	-
3	B	IND -(WITHOUT DRIVER ASSISTANCE)
3	BR	IND -(WITH DRIVER ASSISTANCE)
4	GR	ILLUMINATION -
5	G/B	IND +(WITHOUT DRIVER ASSISTANCE)
5	G	IND +(WITH DRIVER ASSISTANCE)
6	G	BACKUP ECU
7	-	-
8	B	GND

A B C D E F G H I J K L M N O P


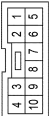
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ILLUMINATION

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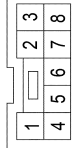
ILLUMINATION CONNECTORS

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


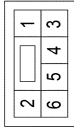
Terminal No.	Color of Wire	Signal Name
1	P	A/C HEAT MODE
2	W	A/C COOL MODE
3	BG	A/C SW POWER
4	-	-
5	GR	ILLUMINATION -
6	L	ILLUMINATION +
7	B	GND
8	Y	A/C HEAT IND
9	BR	A/C COOL IND
10	-	-

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


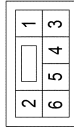
Terminal No.	Color of Wire	Signal Name
1	W	A/C SW POWER
2	G	A/C COOL MODE
3	L	A/C HEAT MODE
4	BG	A/C COOL IND
5	O	A/C HEAT IND
6	B	GND
7	L	ILLUMINATION +
8	GR	ILLUMINATION -

Connector No.	M124
Connector Name	FRONT HEATED SEAT SWITCH LH
Connector Type	NS06FW-CS
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
1	GR	ILLUMINATION -
2	L	ILLUMINATION +
3	BR	FRONT LH SEAT HEATER HI
4	G	IGNITION
5	BG	FRONT LH SEAT HEATER LO
6	B	GND

Connector No.	M125
Connector Name	FRONT HEATED SEAT SWITCH RH
Connector Type	NS06FBR-CS
Connector Color	BROWN


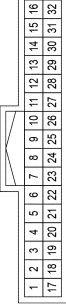
Terminal No.	Color of Wire	Signal Name
1	GR	ILLUMINATION -
2	L	ILLUMINATION +
3	LG	FRONT RH SEAT HEATER HI
4	W	IGNITION
5	W	FRONT RH SEAT HEATER LO
6	B	GND

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

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


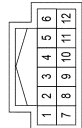
Connector No.	M132
Connector Name	FRONT AIR CONTROL
Connector Type	TH32FW-NH
Connector Color	WHITE

Terminal No.	Color of Wire	Signal Name
1	L	CAN-H
2	B	GND
3	SB	BAT
4	L	ILL+
5	-	-
6	-	-
7	-	-
8	-	-
9	W	IGN2(ACC)
10	P	FAN GATE
11	Y	RR DEF ON
12	G	LIN SIG
13	W	VACTR
14	-	-

15	W	WATER VALVE OPEN(WITH V656VD)
16	-	-
17	P	CAN-L
18	B	GND(POWER)
19	G	IGN
20	GR	ILL-
21	R	SENS GND
22	P	INTAKE SENS
23	-	-
24	-	-
25	Y	COMP ON
26	L/W	FAN FB
27	B/W	RR DEF F/B
28	-	-
29	B	ACTR GND
30	W	FAN ON
31	L	WATER VALVE CLOSE(WITH V656VD)
32	-	-

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



Terminal No.	Color of Wire	Signal Name
1	B	GND
2	-	-
3	-	-
4	-	-
5	L	ILLUMINATION +
6	GR	ILLUMINATION -
7	-	-
8	-	-
9	BR	RX
10	V	TX
11	-	-
12	G	IGNITION

ILLUMINATION

< WIRING DIAGRAM >



ILLUMINATION CONNECTORS

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



Terminal No.	Color of Wire	Signal Name
1	L	SWITCH OUT
2	G/R	IGNITION
3	G	400W OUTPUT INDICATOR
4	L	ILLUMINATION +
5	GR	ILLUMINATION -
6	G/R	IGNITION
7	SB	150 W OUTPUT INDICATOR
8	-	-
9	-	-
10	-	-
11	-	-
12	-	-

Connector No.	M141
Connector Name	4WD SHIFT SWITCH
Connector Type	A08FW
Connector Color	WHITE


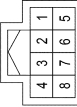
Terminal No.	Color of Wire	Signal Name
1	GR	ILLUMINATION -
2	-	-
3	V/R	4WD SHIFT SWITCH 5V SUPPLY
4	G/W	2WD MODE SW
5	-	-
6	O	4H MODE SW
7	R	4LO MODE SW
8	L	ILLUMINATION +

Connector No.	M145
Connector Name	HEATED STEERING WHEEL SWITCH
Connector Type	TH08FL-NH
Connector Color	BLUE


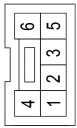
Terminal No.	Color of Wire	Signal Name
1	BR	STEERING HEATER SW
2	B	GND
3	L	ILLUMINATION +
4	GR	ILLUMINATION -
5	R	IGNITION
6	B	GND

Connector No.	M148
Connector Name	VDC OFF SWITCH
Connector Type	TH08FB-NH
Connector Color	BLACK


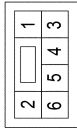
Terminal No.	Color of Wire	Signal Name
1	L	ILLUMINATION +
2	-	-
3	-	-
4	GR	ILLUMINATION -
5	-	-
6	G	VDC OFF
7	-	-
8	B	GND

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


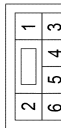
Terminal No.	Color of Wire	Signal Name
1	P/L	CARGO LAMP SW
2	GR	ILLUMINATION -
3	B	GND
4	L	ILLUMINATION +
5	-	-
6	-	-

Connector No.	M159
Connector Name	REAR HEATED SEAT SWITCH LH
Connector Type	NS06FW-CS
Connector Color	WHITE

Terminal No.	Color of Wire	Signal Name
1	GR	ILLUMINATION -
2	L	ILLUMINATION +
3	SB	REAR LH SEAT HEATER HI
4	Y	IGNITION
5	L	REAR LH SEAT HEATER LO
6	B	GND

Connector No.	M160
Connector Name	REAR HEATED SEAT SWITCH RH
Connector Type	NS06FBR-CS
Connector Color	BROWN

Terminal No.	Color of Wire	Signal Name
1	GR	ILLUMINATION -
2	L	ILLUMINATION +
3	BR	REAR RH SEAT HEATER HI
4	Y	IGNITION
5	LG	REAR RH SEAT HEATER LO
6	B	GND

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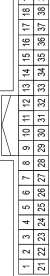
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ILLUMINATION

< WIRING DIAGRAM >

ILLUMINATION CONNECTORS

Connector No.	M163
Connector Name	COMBINATION METER (WITH TYPE B)
Connector Type	TH40FW-NH
Connector Color	WHITE


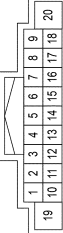



Terminal No.	Color of Wire	Signal Name
1	B	GND (ILL)
2	B	GND (CIRCUIT)
3	B	GND (POWER)
4	-	-
5	-	-
6	R	BAT
7	V	SECURITY
8	W	IGN
9	EG	AS BELT SW
10	LG	TOW MODE SW
11	BR	CHG
12	B	SATELLITE SW GND
13	B	STRG SW GND
14	R	ACC
15	W	OUTSIDE TEMP SENSOR
16	O	AIR BAG
17	-	-
18	P	TRIP RESET SW
19	-	OIL LEVEL GND
20	R	OUTSIDE TEMP GND
21	-	-
22	P	STRG SW A
23	R	STRG SW B
24	W	WAHSER SW
25	-	BRAKE OIL SW
26	G	PKB SW
27	-	-
28	O/B	DR BELT SW
29	-	-
30	Y/W	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	8PP/OUTPUT

AALIA5155GB


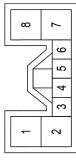
39	-	GR	ILL CONT OUT
40	-	-	-

Connector No.	M171
Connector Name	AUDIO UNIT
Connector Type	NH18FW-CS2
Connector Color	WHITE


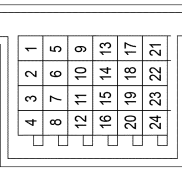
Terminal No.	Color of Wire	Signal Name
1	-	-
2	L/W	FR SP LH+
3	L/R	FR SP LH-
4	SB	RR SP LH+
5	B/Y	RR SP LH-
6	P	STRG SW A (WITH TYPE B METER)
7	R	ACC
8	GR	ILL (-)
9	L	ILL (+)
10	-	-
11	W/B	FR SP RH+
12	L/B	FR SP RH-
13	O/L	RR SP RH+
14	R/L	RR SP RH-
15	B	STRG SW GND (WITH TYPE B METER)
16	R	STRG SW B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

Connector No.	M174
Connector Name	TRAILER BRAKE CONTROL UNIT
Connector Type	TB04FW-TM4
Connector Color	WHITE

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

Connector No.	M191
Connector Name	JOINT CONNECTOR-M01
Connector Type	NH24FW-J
Connector Color	WHITE

Terminal No.	Color of Wire	Signal Name
1	BR	GND
2	B	GND
3	B	GND
4	B	GND
5	BR	GND
6	B	GND
7	B	GND
8	B	GND
9	BR	GND
10	B	GND
11	B	GND
12	B	GND


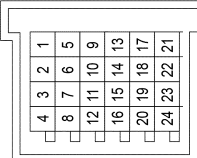
13	B	GND
14	B	GND
15	B	GND
16	-	GND
17	B	GND
18	B	GND
19	SHIELD	-
20	B	GND
21	B	GND
22	B	GND
23	B	GND
24	B	GND

ILLUMINATION

< WIRING DIAGRAM >


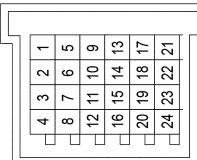
ILLUMINATION CONNECTORS

Connector No.	M192
Connector Name	JOINT CONNECTOR-M02
Connector Type	NH24FW-J
Connector Color	WHITE


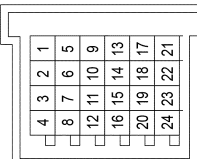
Terminal No.	Color of Wire	Signal Name
1	B	GND
2	B	GND
3	B	GND
4	O	GND
5	B	GND
6	B	GND
7	B	GND
8	B	GND
9	B	GND
10	B	GND
11	B	GND
12	B	GND
13	Y/R	GND
14	B	GND
15	B	GND
16	B	GND
17	-	-
18	SHIELD	SHIELD
19	SHIELD	SHIELD
20	SHIELD	SHIELD
21	B	GND
22	B	GND
23	B	GND
24	B	GND

Connector No.	M193
Connector Name	JOINT CONNECTOR-M03
Connector Type	NH24FW-J
Connector Color	WHITE



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

Connector No.	M194
Connector Name	JOINT CONNECTOR-M04
Connector Type	NH24FW-J
Connector Color	WHITE



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

Connector No.	M198
Connector Name	METER CONTROL SWITCH
Connector Type	TH08FW-NH
Connector Color	WHITE

Terminal No.	Color of Wire	Signal Name
1	L	ILLUMINATION +
2	GR	ILLUMINATION -
3	-	-
4	B	GND
5	P	TRIP RESET
6	W	ILLUMINATION CONT +
7	R	ILLUMINATION CONT -
8	-	-

Connector No.	M199
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TK08FGY
Connector Color	GRAY

Terminal No.	Color of Wire	Signal Name
15	R	ASCD SW
16	W	AUDIO STRG SW REMOTE A
17	L	AUDIO STRG SW REMOTE B
18	B	ASCD GND
19	BR	AUDIO STRG SW GND
20	G	HORN
21	P	ILL -
22	Y	ILL +



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ILLUMINATION

< WIRING DIAGRAM >


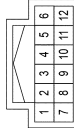
ILLUMINATION CONNECTORS

Connector No.	R1
Connector Name	WIRE TO WIPE
Connector Type	TH32MW-NH
Connector Color	WHITE


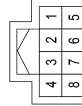
Terminal No.	Color of Wire	Signal Name
1	SHIELD	TO MAIN HARNESS
2	R	TO MAIN HARNESS
3	W	TO MAIN HARNESS
4	Y/R	TO MAIN HARNESS
5	G/W	TO MAIN HARNESS
6	G/R	TO MAIN HARNESS
7	B	TO MAIN HARNESS
8	L	TO MAIN HARNESS
9	R/G	TO MAIN HARNESS
10	G	TO MAIN HARNESS
11	L/W	TO MAIN HARNESS
12	L	TO MAIN HARNESS
13	GR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

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


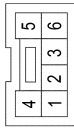
Terminal No.	Color of Wire	Signal Name
1	R/G	BATTERY SAVER POWER
2	-	-
3	-	-
4	L	ROOM LAMP CONT
5	L	ILLUMINATION +
6	-	-
7	B	GROUND
8	GR	ILLUMINATION -
9	-	-
10	-	-
11	-	-
12	-	-

Connector No.	R15
Connector Name	TELEMATICS SWITCH
Connector Type	TH08FW-NH
Connector Color	WHITE

Terminal No.	Color of Wire	Signal Name
1	W/L	LED GREEN
2	B	GROUND
3	P	ECALL SW
4	-	-
5	L	ILLUMINATION +
6	GR	ILLUMINATION -
7	B	GROUND
8	-	-

Connector No.	R19
Connector Name	REAR POWER SLIDE GLASS SWITCH
Connector Type	TK08FW-1V
Connector Color	WHITE

Terminal No.	Color of Wire	Signal Name
1	G	REAR POWER SLIDE GLASS CLOSE
2	GR	ILLUMINATION -
3	B	GROUND
4	L	ILLUMINATION +
5	L/W	REAR POWER SLIDE GLASS OPEN
6	-	-

DIAGNOSIS AND REPAIR WORKFLOW

< BASIC INSPECTION >

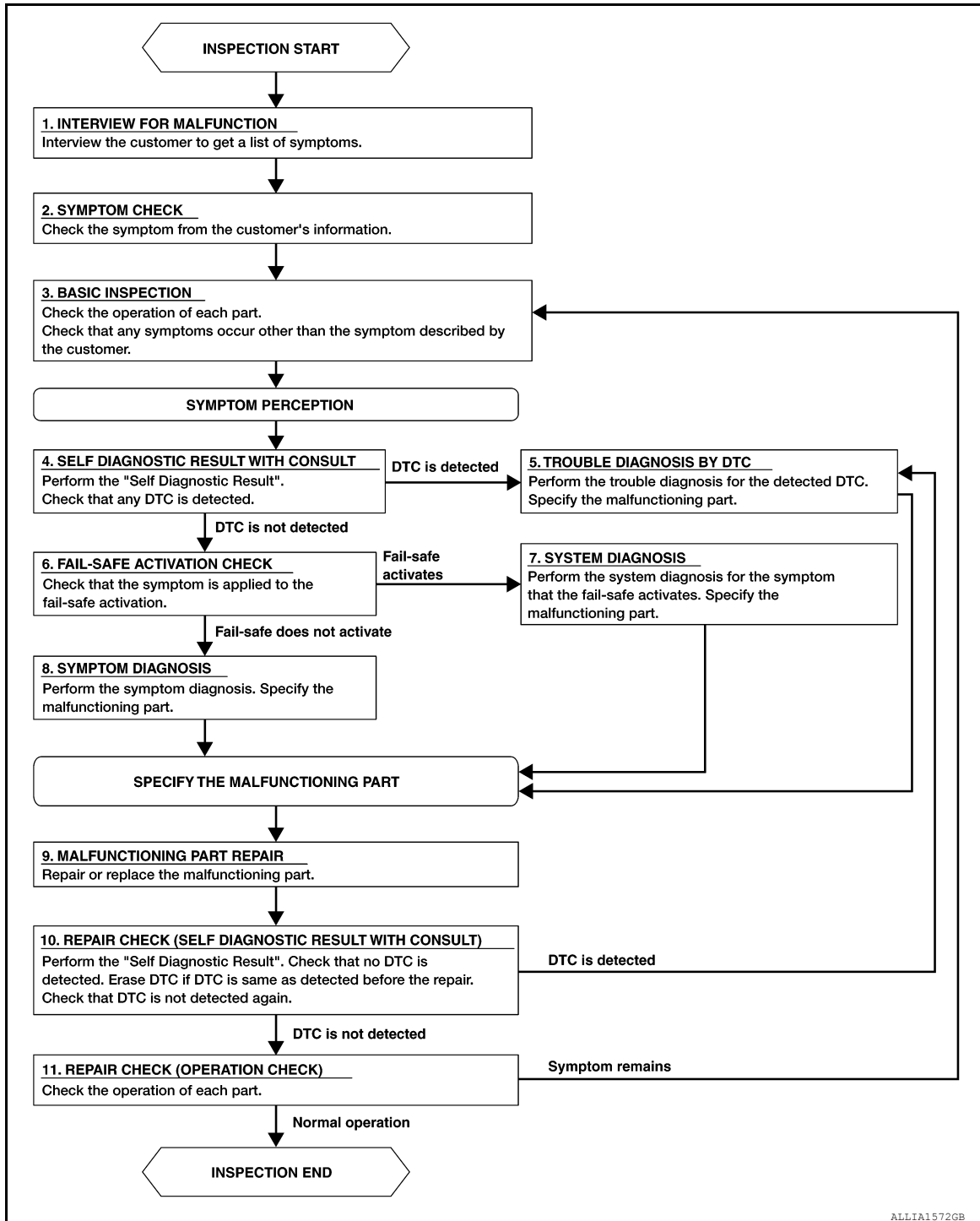
BASIC INSPECTION

DIAGNOSIS AND REPAIR WORKFLOW

Work Flow

INFOID:0000000012546325

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:000000013117159

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:000000012546338

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

Component Function Check

INFOID:000000012546339

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:000000012546340

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			
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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INL

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:0000000012546341

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:0000000012546342

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

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:0000000012546343

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

1. CHECK INTERIOR ROOM LAMP CONTROL OUTPUT

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.)	
(+) Connector				Terminal	On
M81	136	Ground	INT LAMP	On	0V
				Off	Battery voltage

Is the inspection result normal?

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

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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	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:000000012546344

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:000000012546345

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-96, "Diagnosis Procedure"](#).

• Inoperative from keyfob only, refer to [DLK-115, "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.

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				
M19	42	Ground	Cargo lamp switch	ON	0V
				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				
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-143, "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		(-)	Voltage (Approx.)
Connector	Terminal		
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:000000012546346

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

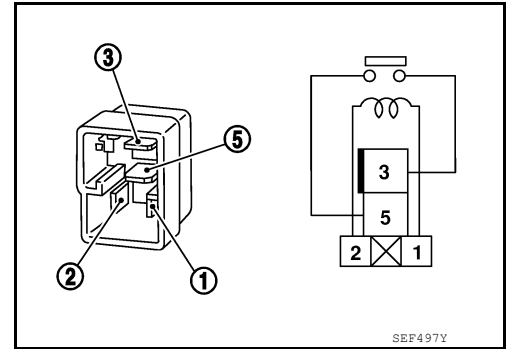
1.CHECK CARGO LAMP RELAY

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:0000000013117416

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:0000000013117417

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				
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:0000000013117418

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

Component Function Check

INFOID:0000000013117419

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:0000000013117420

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.

(+)		(-)	Test item		Voltage (Approx.)
Push-button ignition switch					
Connector	Terminal				
M46	5	Ground	ENGINE SW ILLUMI	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:0000000012546355

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 <ul style="list-style-type: none"> • 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) 	<ul style="list-style-type: none"> • Harness between BCM and each interior room lamp • BCM 	Battery saver output/power supply circuit. Refer to INL-55, "Diagnosis Procedure" .
Some or all of the following interior room lamps do not turn ON/OFF <ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • Harness between BCM and each door switch • Harness between BCM and each interior room lamp • BCM 	Door switch circuit. Refer to DLK-96, "Diagnosis Procedure" . Interior room lamp control circuit. Refer to INL-57, "Diagnosis Procedure" .
Cargo lamp, tailgate cargo lamps (if equipped) and bed lamps (if equipped) do not turn ON/OFF	<ul style="list-style-type: none"> • Harness between BCM and cargo lamp relay • Harness between cargo lamp relay and cargo lamps • BCM • Cargo lamp relay 	Cargo lamp control circuit. Refer to INL-59, "Diagnosis Procedure" .
Interior room lamp timer does not activate. (It turns ON/ OFF when the door opens/closes.)	—	Check the interior room lamp setting. Refer to BCS-22, "INT LAMP : CONSULT Function (BCM - INT LAMP)" .
Interior room lamp battery saver does not activate.	BCM	Check the interior room lamp battery saver setting. Refer to BCS-30, "BATTERY SAVER : CONSULT Function (BCM - BATTERY SAVER)" .
Push-button ignition switch illumination does not illuminate.	<ul style="list-style-type: none"> • Harness between BCM and push-button ignition switch • BCM 	Push-button ignition switch illumination circuit. Refer to INL-65, "Diagnosis Procedure" .

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FRONT ROOM/MAP LAMP ASSEMBLY

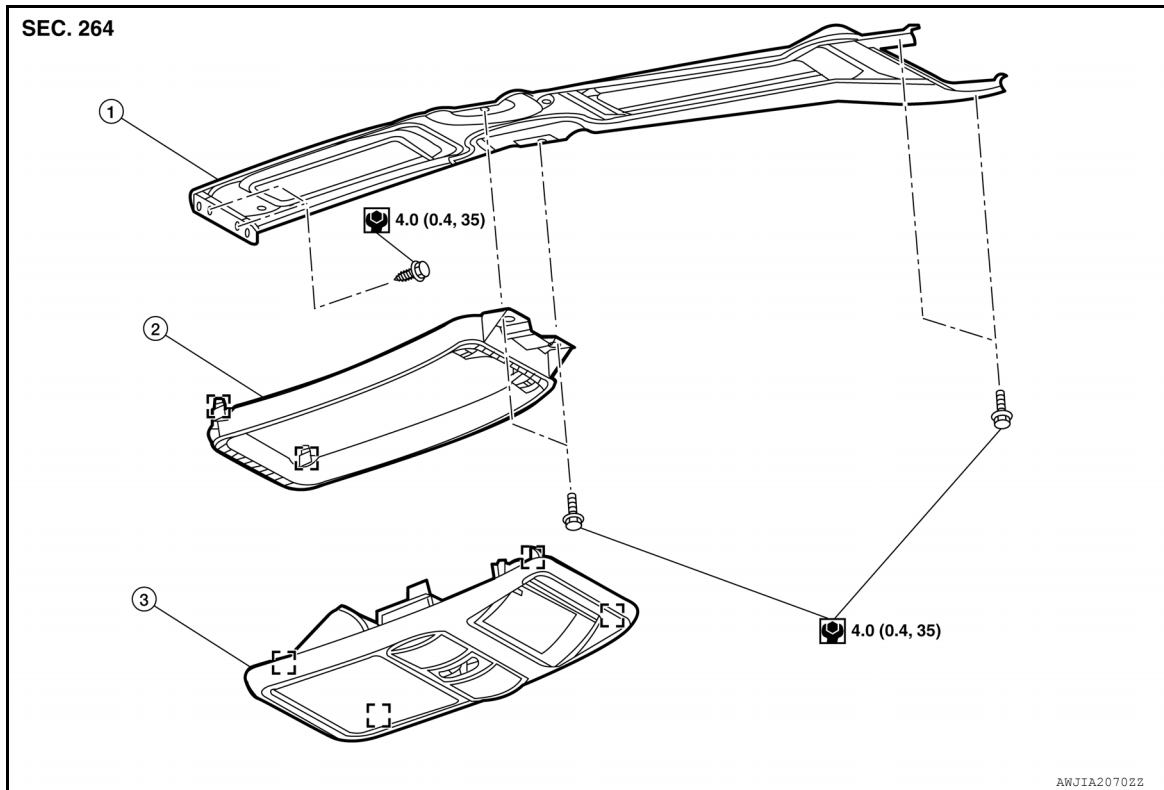
< REMOVAL AND INSTALLATION >

REMOVAL AND INSTALLATION

FRONT ROOM/MAP LAMP ASSEMBLY

Exploded View

INFOID:000000013065534



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:000000013065535

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:000000013493735

FRONT ROOM/MAP LAMP BULB

REMOVAL

WARNING:

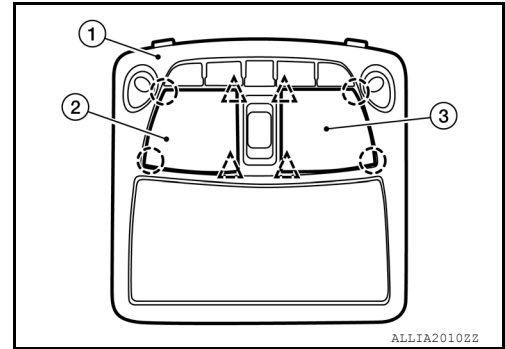
Do not touch bulb by hand while it is lit or right after being turned off. Burning may result.

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:000000013065537

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:000000013197390

The glove box lamp is not serviceable.

Bulb Replacement

INFOID:000000013498349

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

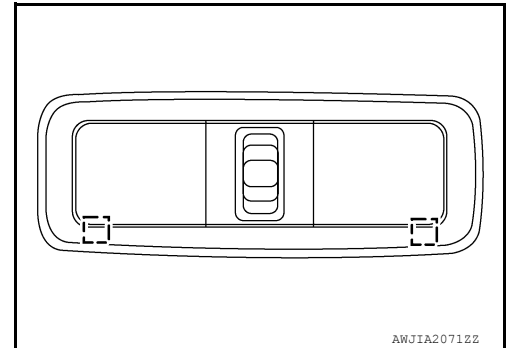
Removal and Installation

INFOID:000000013065542

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:000000013065543


PERSONAL LAMP


REMOVAL

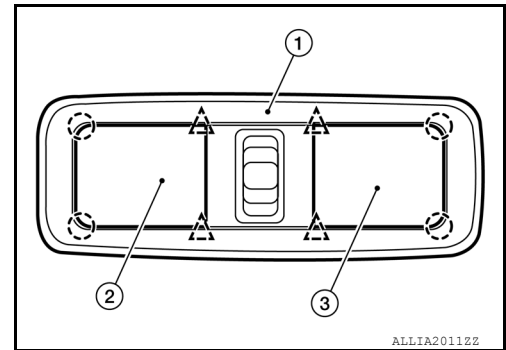
WARNING:

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 >

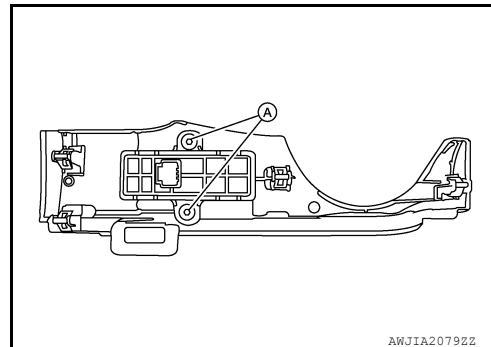
METER CONTROL SWITCH

Removal and Installation

INFOID:0000000013110824

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:000000013065549

FOOT LAMP LH

The foot lamp (LH) is not serviceable.

Foot Lamp RH

The foot lamp (RH) is not serviceable.

Bulb Replacement

INFOID:000000013498350

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:000000013460505

REMOVAL

1. Remove bed side tie down rail, refer to [EXT-42, "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:000000013498348

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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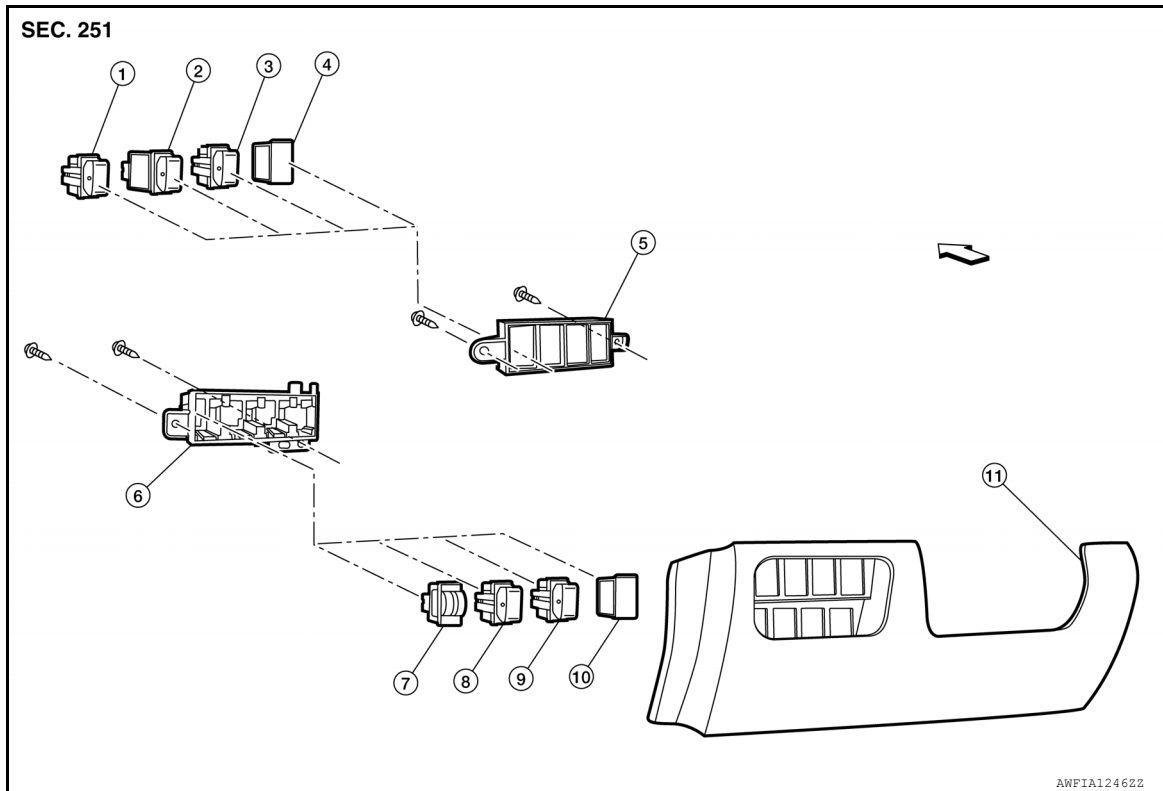
CARGO LAMP SWITCH

< REMOVAL AND INSTALLATION >

CARGO LAMP SWITCH

Exploded View

INFOID:000000013498351



- | | | |
|---|--|--|
| 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:000000013460506

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:000000013496692

The puddle lamp is serviced as part of the door mirror. Refer to [MIR-23, "Removal and Installation"](#).

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BULB SPECIFICATIONS

< SERVICE DATA AND SPECIFICATIONS (SDS)

SERVICE DATA AND SPECIFICATIONS (SDS)

BULB SPECIFICATIONS

Bulb Specifications

INFOID:0000000012546361

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.