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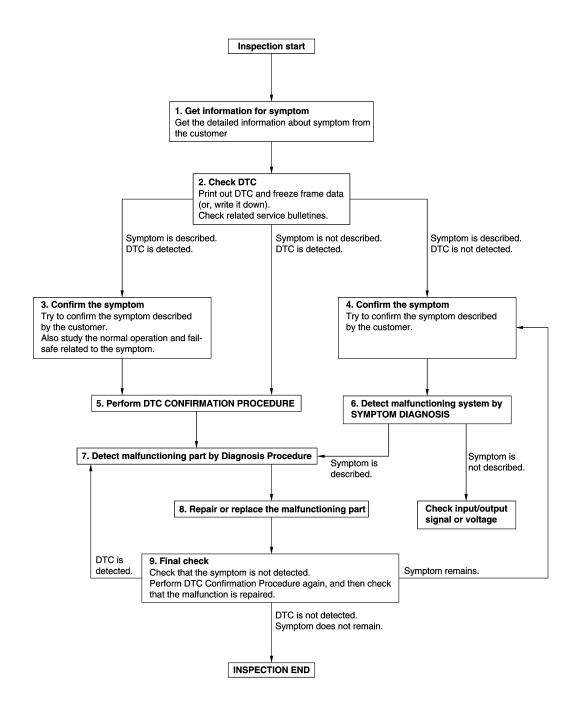
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BASIC INSPECTION

DIAGNOSIS AND REPAIR WORK FLOW

Work Flow

OVERALL SEQUENCE



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DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >

1.GET INFORMATION FOR SYMPTOM

- Get detailed information from the customer about the symptom (the condition and the environment when the incident/malfunction occurs).
- Check operation condition of the function that is malfunctioning.

>> GO TO 2.

2.check dtc

- 1. Check DTC.
- Perform the following procedure if DTC is detected.
- Record DTC and freeze frame data (Print them out using CONSULT.)
- Study the relationship between the cause detected by DTC and the symptom described by the customer.
- Check related service bulletins for information.

Are any symptoms described and any DTC detected?

Symptom is described, DTC is detected>>GO TO 3.

Symptom is described, DTC is not detected>>GO TO 4.

Symptom is not described, DTC is detected>>GO TO 5.

${f 3.}$ CONFIRM THE SYMPTOM

Try to confirm the symptom described by the customer.

Also study the normal operation and fail-safe related to the symptom.

Verify relation between the symptom and the condition when the symptom is detected.

>> GO TO 5.

f 4.CONFIRM THE SYMPTOM

Try to confirm the symptom described by the customer.

Verify relation between the symptom and the condition when the symptom is detected.

>> GO TO 6.

$oldsymbol{5}$.PERFORM DTC CONFIRMATION PROCEDURE

Perform DTC CONFIRMATION PROCEDURE for the detected DTC, and then check that DTC is detected again. At this time, always connect CONSULT to the vehicle, and check self diagnostic results in real time. If two or more DTCs are detected, refer to DTC INSPECTION PRIORITY CHART, and determine trouble diagnosis order.

NOTE:

- Freeze frame data is useful if the DTC is not detected.
- Perform Component Function Check if DTC CONFIRMATION PROCEDURE is not included on Service Manual. This simplified check procedure is an effective alternative though DTC cannot be detected during

If the result of Component Function Check is NG, it is the same as the detection of DTC by DTC CONFIR-MATION PROCEDURE.

Is DTC detected?

YES >> GO TO 7.

NO >> Check according to GI-47, "Intermittent Incident".

6.DETECT MALFUNCTIONING SYSTEM BY SYMPTOM DIAGNOSIS

Detect malfunctioning system according to SYMPTOM DIAGNOSIS based on the confirmed symptom in step 4, and determine the trouble diagnosis order based on possible causes and symptom.

Is the symptom described?

YES >> GO TO 7.

NO >> Monitor input data from related sensors or check voltage of related module terminals using CON-

$\emph{/}$.DETECT MALFUNCTIONING PART BY DIAGNOSTIC PROCEDURE

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DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >

Inspect according to Diagnostic Procedure of the system.

Is malfunctioning part detected?

YES >> GO TO 8.

NO >> Check according to GI-47, "Intermittent Incident".

8.REPAIR OR REPLACE THE MALFUNCTIONING PART

- 1. Repair or replace the malfunctioning part.
- Reconnect parts or connectors disconnected during Diagnostic Procedure again after repair and replacement.
- 3. Check DTC. If DTC is detected, erase it.

>> GO TO 9.

9. FINAL CHECK

When DTC is detected in step 2, perform DTC CONFIRMATION PROCEDURE again, and then check that the malfunction is repaired securely.

When symptom is described by the customer, refer to confirmed symptom in step 3 or 4, and check that the symptom is not detected.

Is DTC detected and does symptom remain?

YES-1 >> DTC is detected: GO TO 7.

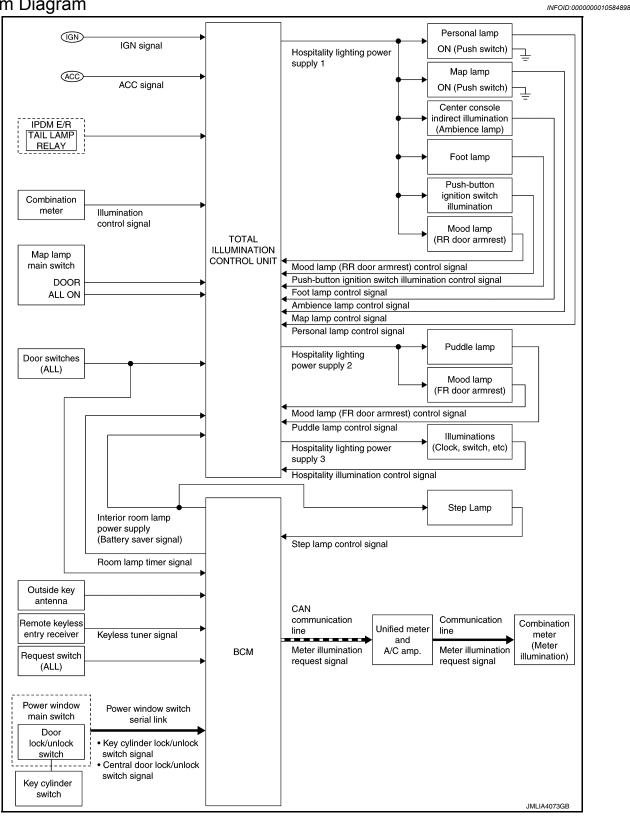
YES-2 >> Symptom remains: GO TO 4.

NO >> Before returning the vehicle to the customer, always erase DTC.

SYSTEM DESCRIPTION

INTERIOR ROOM LAMP CONTROL SYSTEM

System Diagram



System Description

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OUTLINE

< SYSTEM DESCRIPTION >

Interior room lamps and illuminations are controlled by each function of the total illumination control unit and BCM.

Total Illumination Control Unit

Function

Interior room lamp control function

Lamp control

- · Push-button ignition switch illumination
- Map lamp and personal lamps (when map lamp main switch is in DOOR position.)
- Puddle lamps
- Mood lamps (Door armrest)
- Foot lamps
- Center console indirect illumination
- · Each illumination (Clock, switches, etc.)

BCM

Function

- Interior room lamp timer function
- Welcome light function (Welcome light function is controlled by Intelligent Key system. Refer to <u>DLK-37</u>, <u>"WELCOME LIGHT FUNCTION: System Description"</u>.)
- Step lamp control function

Lamp control

Step lamp

HOSPITALITY LIGHTING SYSTEM

- Hospitality lighting system is controlled by the total illumination control unit, BCM and combination meter.
- · Hospitality lighting system controls each interior room lamp by each unit to show the driver hospitality.

< SYSTEM DESCRIPTION >

SYSTEM DES Hospitality lighting fund													
Light source	Push-button ignition switch illumination	Map lamp	Person	Puddle lamp	de lamp d lamps armrest)	Mood lamps (Door armrest) Foot lamp	Foot lamp	Center console indirect illumination	Each illumination (Clock, switches, etc.)	Meter illumination	АВ		
Ligh	Push-bu switch i	A close door side lamp	An open door side lamp	Pudd	Moo (Door	Foc	Ste	Cente	Each il (Clock, sv	Meter i	С		
Scene 1 Door is unlocked (Interior room lamp timer function) Driver approach to the vehicle (Welcome light function)	Heart beat	Dim (30%)		(30%)		ON (100%)	OFF	OFF	OFF	OFF	OFF	OFF	D E
Scene 2 Any door is opened	(Pulse)	Dim (30%)	1 sec. delay ON (90%)			ON	ON				G		
Scene 3 All doors are closed	•		im 0%)			(80%)			2.5 sec. delay ON (100%)	Meter panel illuminates	Н		
Scene 4 Ignition switch ACC or ON	Steady				OFF		ON (100%)					Combina- tion meter activates	I
Scene 5 Engine start		OFF		OF		OFF		Dim (10%)	OFF	ON (10%)	OFF	Engine start excitement function	J
Scene 6 Engine running										OFF	K		
Scene 7 Tail lamps ON (Linked to illumina- tion control switch)	Steady					Dim (10% MAX)		OFF	ON (100% MAX)	Dim	INL		
Scene 8 Map lamp main switch ALL ON	_		0N 0%)					ON (100%)	_	_	M		
Scene 6 Ignition switch OFF			Dim (30%)				OFF			OFF (Gradual dimming)	Ν		
Scene 7 Any door is opened	Steady	Dim (30%)	1 sec. delay ON (90%)	ON (100%)	ON (100%)	ON (80%)	ON		OFF	OFF	0		
Scene 8 All doors are closed		Dim (30%)					OFF	OFF	2.5 sec. delay ON (100%)	Meter panel illuminates	Р		
Scene 9 Door is locked Battery saver activates	OFF	OFF	OFF	OFF	OFF	OFF	011		OFF	OFF			

NOTE:

< SYSTEM DESCRIPTION >

- Heart beat function of push-button ignition switch illumination can be set to OFF by CONSULT.
- Total illumination control unit controlled lamps fade-in/fade-out time can be set by CONSULT. Refer to INL-19, "CONSULT Function (TOTAL ILLUM C/U)".

TOTAL ILLUMINATION CONTROL UNIT

Total illumination control unit controls each lamp (ground side) by PWM signal (duty) depending on vehicle conditions.

INTERIOR ROOM LAMP TIMER CONTROL

BCM operates the timer for a period of time when satisfying the timer operating condition. And it outputs the room lamp timer signal to total illumination control unit while the timer counts the time.

Timer ON

- · Door is unlocked.
- · Welcome light function operating condition is satisfied.

Timer OFF

- Ignition switch is OFF ⇒ ON or ACC.
- · Door is locked.

NOTE:

Interior room lamp timer can be set by CONSULT. Refer to INT-LAMP)".

STEP LAMP CONTROL

BCM controls the step lamp (ground-side) to turn the step lamp ON when any door switch is ON.

Component Parts Location

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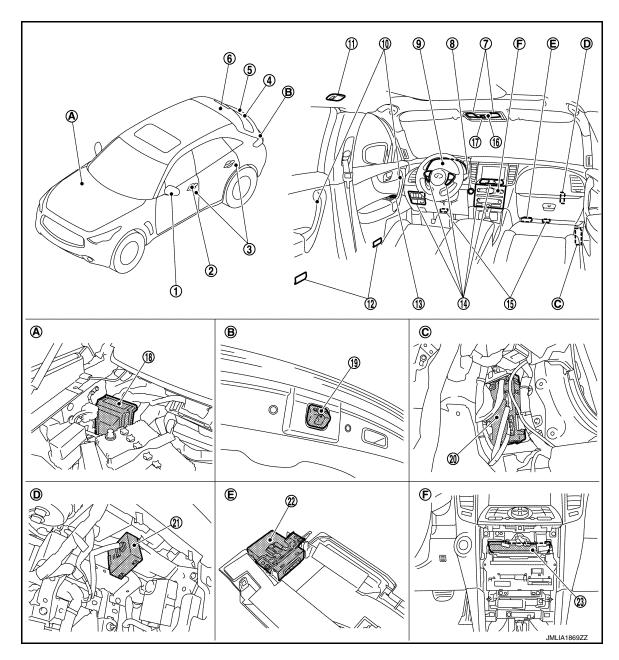
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- 1. Puddle lamp
- 4. Luggage room lamp (Back door side)
- 7. Map lamp
- 10. Mood lamp
- 13. Door lock/unlock switch
- 16. Center console indirect illumination
- 19. Back door switch
- 22. Total illumination control unit
- A. Engine room dash panel (RH)
- D. Over the glove box

- Request switch
 - Key cylinder switch
- Automatic back door close switch
- 8. Push-button ignition switch illumination
- 11. Personal lamp
- 14. Illuminations
- 17. Map lamp main switch
- 20. BCM
- 23. Unified meter and A/C amp.
- B. Back door lock assembly
- E. Instrument lower cover LH

- Door switch
- 6. Luggage room lamp (Luggage side)
- 9. Combination meter
- 12. Step lamp
- Foot lamp
- 18. IPDM E/R
- 21. Remote keyless entry receiver
- C. Dash side lower (passenger side)
- F. Behind the cluster lid C

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< SYSTEM DESCRIPTION >

Component Description

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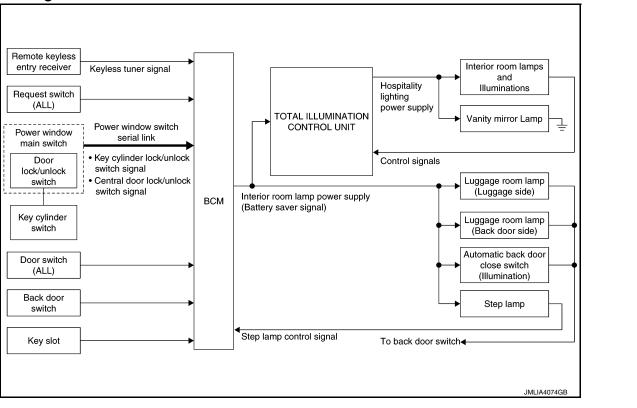
Part	Description
Total illumination control unit	Controls each interior room lamp and each illumination depending on the vehicle conditions and each signal.
BCM	 Outputs room lamp timer signal and battery saver signal to the total illumination control unit depending on the vehicle conditions. Turns the step lamp ON/OFF according to any door switch status. Controls welcome light function of Intelligent Key system.
Combination meter	 Illuminates the meter illumination according to request signals from BCM via CAN communication (through the unified meter and A/C amp.). Outputs the illumination control signal to the total illumination control unit.
Remote keyless entry receiver Outside key antenna	Receives the lock/unlock signal from keyfob. Transmits the lock/unlock signal to BCM.
Request switchKey cylinder switchDoor lock/unlock switch	Inputs the lock/unlock signal to BCM.
Door switch	Inputs the door switch signal to BCM and the total illumination control unit.
Tail lamp relay	Inputs the tail lamp signal to the total illumination control unit.
Map lamp main switch	Inputs the map lamp switch signal to the total illumination control unit.

INTERIOR ROOM LAMP BATTERY SAVER SYSTEM

< SYSTEM DESCRIPTION >

INTERIOR ROOM LAMP BATTERY SAVER SYSTEM

System Diagram



System Description

INFOID:0000000010584903

OUTLINE

- Interior room lamp battery saver is controlled by battery saver function of BCM.
- BCM cuts the interior room lamp power supply depending on the vehicle condition. Total illumination control unit cuts the hospitality lighting power supply according to interior room lamp power supply (battery saver signal). This function prevents the battery from over-discharging if the driver neglects turning OFF the lamps.

Applicable lamps

Control by the total illumination control unit

- Push-button ignition switch illumination
- Map lamp and personal lamps
- · Center console indirect illumination
- Vanity mirror lamps
- Puddle lamps
- Foot lamps
- Mood lamps (Door armrest)
- Each illumination (Clock, switches, etc.)

Control by BCM

- Step lamps
- Luggage room lamps
- Automatic back door close switch (Illumination)

INTERIOR ROOM LAMP BATTERY SAVER FUNCTION

- When the ignition switch is turned OFF, BCM operates the timer for a period of time to cut the interior room lamp power supply.
- When interior room lamp power supply (battery saver signal) is OFF, the total illumination control unit cuts hospitality lighting power supply. And then it switches to sleep mode.

INL-13

- BCM restarts the timer when any of the following signals changes while operating the timer.
- Ignition switch status

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INTERIOR ROOM LAMP BATTERY SAVER SYSTEM

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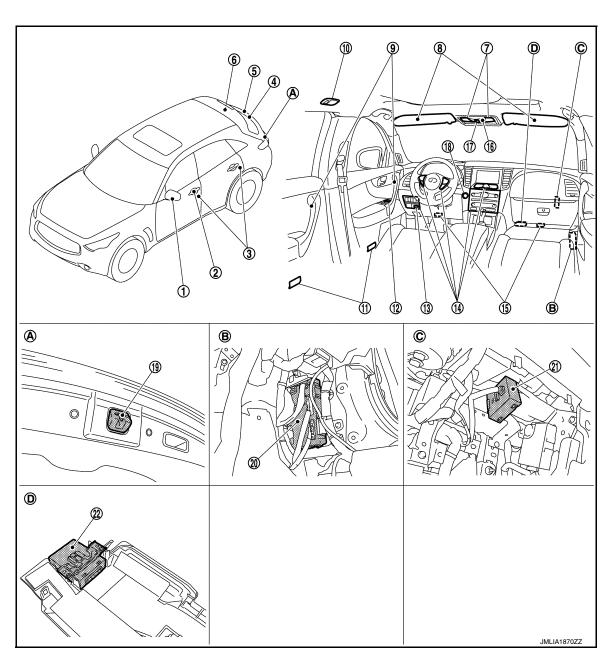
- Door switch signal (ALL)
- Door lock/unlock signal (Remote keyless entry receiver, each request switch, key cylinder switch, door lock/unlock switch)
- Back door switch signal
- Key switch signal (Key slot)
- BCM provides the interior room lamp power supply continuously when the ignition switch is in an other than OFF.

NOTE:

Each function of interior room lamp battery saver can be set by CONSULT. Refer to INL-25, "BATTERY SAVER)".

Component Parts Location

INFOID:0000000010584904



- Puddle lamp
- 4. Luggage room lamp (Back door side)
- Map lamp

- Request switch
 - · Key cylinder switch
- 5. Automatic back door close switch
- 8. Vanity mirror lamp
- 3. Door switch
- 6. Luggage room lamp (Luggage side)
- Mood lamp

INTERIOR ROOM LAMP BATTERY SAVER SYSTEM

< SYSTEM DESCRIPTION >

10.	Personal lamp	11.	Step lamp	12.	Door lock/unlock switch
13.	Key slot	14.	Illuminations	15.	Foot lamp
16.	Center console indirect illumination	17.	Map lamp main switch	18.	Push-button ignition switch illumination
19.	Back door switch	20.	BCM	21.	Remote keyless entry receiver
22.	Total illumination control unit				
Α.	Back door lock assembly	B.	Dash side lower (passenger side)	C.	Over the glove box
D.	Instrument lower cover LH				

Component Description

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Part	Description
Total illumination control unit	Cuts the hospitality lighting power supply according to interior room lamp power supply (battery saver signal).
BCM	Operates the interior room lamp battery saver depending on the vehicle condition to cut the interior room lamp power supply (battery saver signal).
Remote keyless entry receiver	Receives the lock/unlock signal from keyfob. Transmits the lock/unlock signal to BCM.
Request switch Key cylinder switch Door lock/unlock switch	Inputs the lock/unlock signal to BCM.
Door switch Back door switch	Inputs a switch signal to BCM.
Key slot	Inputs the key switch status to BCM.

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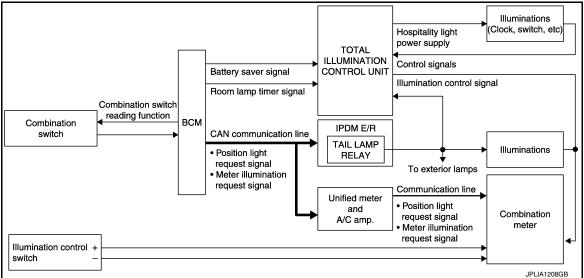
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ILLUMINATION CONTROL SYSTEM

System Diagram

INFOID:0000000010584906



System Description

INFOID:0000000010584907

OUTLINE

Each illumination lamp is controlled by each function of BCM, IPDM E/R, total illumination control unit and combination meter.

Control by BCM

- Combination switch reading function
- · Headlamp control function

Control by IPDM E/R

Relay control function

Control by combination meter

Meter illumination control function (Refer to <u>MWI-27</u>, "<u>METER ILLUMINATION CONTROL</u>: <u>System Description</u>".)

Control by the total illumination control unit

• Interior room lamp control function (Refer to INL-7, "System Description".)

ILLUMINATION CONTROL

- BCM detects the combination switch condition by the combination switch reading function.
- BCM transmits position light request signal to IPDM E/R and combination meter (through the unified meter and A/C amp.) according to tail lamp ON condition.

Tail lamp ON condition

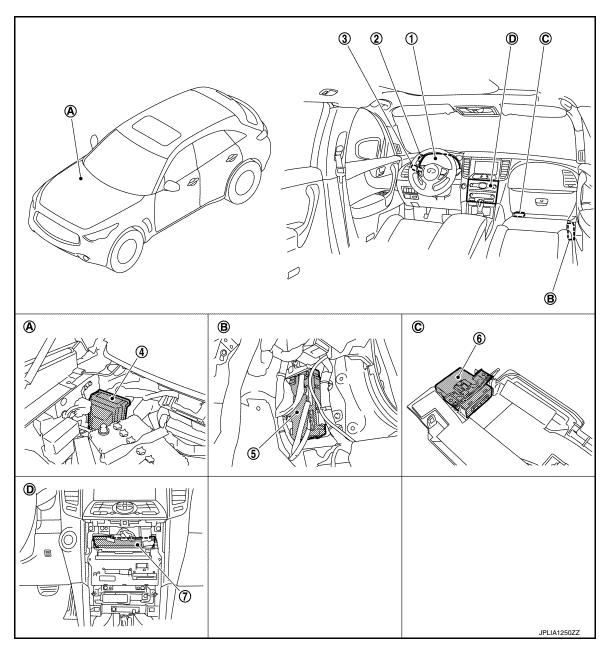
- Lighting switch 1ST
- Lighting switch 2ND
- Lighting switch AUTO, and the auto light function ON judgment (With auto light system)
- IPDM E/R turns the integrated tail lamp relay ON according to position light request signal. It provides the power supply to each illumination lamp.
- Total illumination control unit turns each illumination (linked with hospitality lighting system) ON according to tail lamp signal from IPDM E/R.
- Combination meter enters in the nighttime mode according to position light request signal (through the unified meter and A/C amp.). Under the nighttime mode the combination meter controls each illumination brightness.
- Total illumination control unit controls each illumination (linked with hospitality lighting system) brightness
 according to the illumination control signal from combination meter.

ILLUMINATION CONTROL SYSTEM

< SYSTEM DESCRIPTION >

Component Parts Location

INFOID:0000000010584908



- 1. Combination meter
- 4. IPDM E/R
- 7. Unified meter and A/C amp.
- A. Engine room dash panel (RH)
- D. Behind the cluster lid C
- 2. Illumination control switch
- 5. BCM
- B. Dash side lower (passenger side)
- 3. Combination switch
- 6. Total illumination control unit
- C. Instrument lower cover LH

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ILLUMINATION CONTROL SYSTEM

< SYSTEM DESCRIPTION >

Component Description

INFOID:0000000010584909

Part	Description
ВСМ	 Detects each switch condition by the combination switch reading function. Judges the illumination lamp ON/OFF status depending on the vehicle condition. And then it transmits position light request signal to IPDM E/R and combination meter via CAN communication (through the unified meter and A/C amp.).
IPDM E/R	Controls the integrated relay according to the request from BCM via CAN communication.
Combination meter	 Enters in the nighttime mode according to the request from BCM via CAN communication. Controls each illumination brightness in the nighttime mode. Refer to MWI-27, "METER ILLUMINATION CONTROL: System Description".
Total illumination control unit	Turns each illumination (linked with hospitality lighting system) ON according to tail lamp signal from IPDM E/R Controls each illumination (linked with hospitality lighting system) brightness according to the illumination control signal from combination meter.
Combination switch (Lighting & turn signal switch)	Refer to BCS-11, "System Description".

DIAGNOSIS SYSTEM (TOTAL ILLUMINATION CONTROL UNIT)

< SYSTEM DESCRIPTION >

DIAGNOSIS SYSTEM (TOTAL ILLUMINATION CONTROL UNIT)

CONSULT Function (TOTAL ILLUM C/U)

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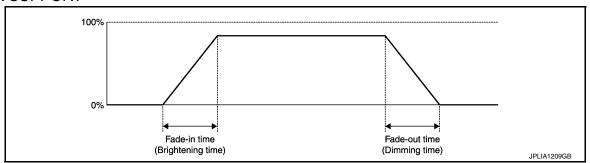
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APPLICATION ITEM

CONSULT performs the following functions via DDL2 communication line with the total illumination control unit

Diagnosis mode	Function Description	
Work Support	Changes the setting for each function.	
Data Monitor	Total illumination control unit input/output signals are displayed.	
Active Test	The signals used to activate each device are forcibly supplied from total illumination control unit.	
Ecu Identification	Total illumination control unit part number is displayed.	

WORK SUPPORT



Coming item		Catting itom	Cotting	
Service item	Setting item		Setting	
FOOT LAMP FADE-IN/OUT	FADE-IN	0 – 3.0 sec. (1.0 sec.*)	Sets fade-in/fade-out time of the foot lamps.	
TOOT EAWN TABLETOOT	FADE-OUT	0 – 3.0 sec. (1.0 sec.*)	Cots lade inflade out time of the loot famps.	
MAP&PERSNL LAMP FADE-IN/OUT	FADE-IN	0 – 3.0 sec. (1.0 sec.*)	Sets fade-in/fade-out time of the map lamps and pe	
WAF&FERSINE LAWIF FADE-IN/OUT	FADE-OUT	0 – 3.0 sec. (1.0 sec.*)	sonal lamps.	
PUDDLE LAMP FADE-IN/OUT	FADE-IN	0 - 3.0 sec. (0 sec.*)	Sets fade-in/fade-out time of the puddle lamps.	
FUDDLE LAWIF FADE-IN/OUT	FADE-OUT	0 - 3.0 sec. (3.0 sec.*)	Sets lade-inhade-out time of the puddle lamps.	
MOOD LAMB FADE INVOLIT	FADE-IN	0 - 3.0 sec. (1.0 sec.*)	Sata fada in/fada aut tima of the mood lamps	
MOOD LAMP FADE-IN/OUT	FADE-OUT	0 - 3.0 sec. (1.0 sec.*)	Sets fade-in/fade-out time of the mood lamps.	
AMBIENCE LAMP FADE-IN/OUT	FADE-IN	0 - 3.0 sec. (1.0 sec.*)	Sets fade-in/fade-out time of the ambience lamp	
AWBIENCE LAWF FADE-IN/OUT	FADE-OUT	0 – 3.0 sec. (1.0 sec.*)	(center console indirect illumination).	
HSPL ILLUMINATION FADE-IN/OUT	FADE-IN	0 – 3.0 sec. (1.0 sec.*)	Sets fade-in/fade-out time of each illumination (linked	
HOPE ILLUMINATION FADE-IN/OUT	FADE-OUT	0 - 3.0 sec. (1.0 sec.*)	with hospitality lighting).	
E/G SW ILLUMI FADE-IN/OUT	FADE-IN	0 - 3.0 sec. (1.5 sec.*)	Sets fade-in/fade-out time of the engine switch illumi-	
E/G 3W ILLUMI FADE-IN/OUT	FADE-OUT	0 - 3.0 sec. (1.5 sec.*)	nation.	
E/G SW ILL HEART BEAT FUNCTION		On*	With the engine switch illumination heart beat function	
E/G SW ILL NEART BEAT FUNCTION		Off	Without the engine switch illumination heart beat function	

^{*:} Factory setting

DATA MONITOR

NOTE:

The following table includes information (items) inapplicable to this vehicle. For information (items) applicable to this vehicle, refer to CONSULT display items.

Revision: 2015 February INL-19 2015 QX70

DIAGNOSIS SYSTEM (TOTAL ILLUMINATION CONTROL UNIT)

< SYSTEM DESCRIPTION >

Monitor item [Unit]	Description
BAT SAVER SIGNAL [On/Off]	Battery saver status input from BCM
IGN SIGNAL [On/Off]	Ignition switch ON signal status
ACC SIGNAL [On/Off]	Ignition switch ACC signal status
ROOM LAMP REQ [On/Off]	Room lamp timer signal status input from BCM
TAIL LAMP SIGNAL [On/Off]	Tail lamp status input from IPDM E/R
DOOR SW-DR [On/Off]	The switch status input from front door switch (driver side)
DOOR SW-AS [On/Off]	The switch status input from front door switch (passenger side)
DOOR SW-RR [On/Off]	The switch status input from rear door switch (RH)
DOOR SW- RL [On/Off]	The switch status input from rear door switch (LH)
MAP LAMP SW [Door/All On/Off]	The switch status input from map lamp main switch
ENGINE SW ILLUMI [STEADY/PULSE/Off]	Control status of the engine switch illumination
FOOT LAMP [%]	Brightening rate of the foot lamps
MAP LAMP-DR [%]	Brightening rate of the map lamp (driver side)
MAP LAMP-AS [%]	Brightening rate of the map lamp (passenger side)
PERSONAL LMP-RR [%]	Brightening rate of the personal lamp (RH)
PERSONAL LMP-RL [%]	Brightening rate of the personal lamp (LH)
PUDDLE LAMP [%]	Brightening rate of the puddle lamps
MOOD LAMP [%]	Brightening rate of the mood lamps
AMBIENCE LAMP [%]	Brightening rate of the ambience lamp (center console indirect illumination)
HSPL ILLUMI [%]	Brightening rate of each illumination (linked with hospitality lighting)
ILLUM CONT SIGNAL [%]	Illumination control signal status input from combination meter

ACTIVE TEST

Test item	Operation	Description	
ENGINE SWITCH ILLUMI-	On	Total illumination control unit turns ON/OFF the engine switch illumination.	
NATION	Off	Total multimation control unit turns of vol 1 the engine switch multimation.	
FOOT LAMP	On	Total illumination control unit turns ON/OFF the foot lamps.	
TOOT LAWIP	Off	Total illumination control unit turns on/OFF the foot lamps.	

DIAGNOSIS SYSTEM (TOTAL ILLUMINATION CONTROL UNIT)

< SYSTEM DESCRIPTION >

Test item	Operation	Description	
MAP I AMP-DR	On	Total illumination control unit turns ON/OFF the man lamp (driver eide)	
MAP LAMP-DR	Off	Total illumination control unit turns ON/OFF the map lamp (driver side).	
MAP LAMP-AS	On	Total illumination control unit turns ON/OFF the map lamp (passenger side).	
WAF LAWF-AS	Off	- Total illumination control unit turns onvorr the map tamp (passenger side).	
PERSONAL LAMP-RR	On	Total illumination control unit turns ON/OFF the personal lamp (RH).	
PERSONAL LAWIF-RR	Off		
PERSONAL LAMP-RL	On	Total illumination control unit turns ON/OFF the personal lamp /LH\	
PERSUNAL LAMP-RL	Off	Total illumination control unit turns ON/OFF the personal lamp (LH).	
PUDDLE LAMP	On	Total illumination control unit turns ON/OFF the puddle lamps.	
PUDDLE LAMP	Off	Total illumination control unit turns of vol 1 the puddle lamps.	
MOOD LAMP	On	Total illumination control unit turns ON/OFF the mood lamp.	
WOOD LAWF	Off	Total illumination control unit turns onvorr the mood lamp.	
AMBIENCE LAMP	On	Total illumination control unit turns ON/OFF the ambience lamp (center console indi-	
AINDICINOL LAINIF	Off	rect illumination).	
HSPL ILLUMINATION	On	Total illumination control unit turns ON/OFF each illumination (linked with hospitality	
	Off	lighting).	

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DIAGNOSIS SYSTEM (BCM)

< SYSTEM DESCRIPTION >

DIAGNOSIS SYSTEM (BCM)

COMMON ITEM

COMMON ITEM: CONSULT Function (BCM - COMMON ITEM)

INFOID:0000000011015591

APPLICATION ITEM

CONSULT performs the following functions via CAN communication with BCM.

Diagnosis mode	Function Description
Work Support	Changes the setting for each system function.
Self Diagnostic Result	Displays the diagnosis results judged by BCM.
CAN Diag Support Monitor	Monitors the reception status of CAN communication viewed from BCM.
Data Monitor	The BCM input/output signals are displayed.
Active Test	The signals used to activate each device are forcibly supplied from BCM.
Ecu Identification	The BCM part number is displayed.
Configuration	 Read and save the vehicle specification. Write the vehicle specification when replacing BCM.

SYSTEM APPLICATION

BCM can perform the following functions for each system.

NOTE:

It can perform the diagnosis modes except the following for all sub system selection items.

x: Applicable item

Cuatam	Sub system selection item	Diagnosis mode		
System	Sub system selection item	Work Support	Data Monitor	Active Test
Door lock	DOOR LOCK	×	×	×
Rear window defogger	REAR DEFOGGER		×	×
Warning chime	BUZZER		×	×
Interior room lamp timer	INT LAMP	×	×	×
Exterior lamp	HEAD LAMP	×	×	×
Wiper and washer	WIPER	×	×	×
Turn signal and hazard warning lamps	FLASHER	×	×	×
_	AIR CONDITONER*			
Intelligent Key system Engine start system	INTELLIGENT KEY	×	×	×
Combination switch	COMB SW		×	
Body control system	BCM	×		
IVIS - NATS	IMMU		×	×
Interior room lamp battery saver	BATTERY SAVER	×	×	×
Back door open	TRUNK		×	×
Vehicle security system	THEFT ALM	×	×	×
RAP system	RETAINED PWR		×	
Signal buffer system	SIGNAL BUFFER		×	×

NOTE:

FREEZE FRAME DATA (FFD)

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

^{*:} This item is displayed, but is not used.

DIAGNOSIS SYSTEM (BCM)

< SYSTEM DESCRIPTION >

CONSULT screen item	Indication/Unit	Description		
Vehicle Speed	km/h	Vehicle speed of the moment a particular DTC is detected		
Odo/Trip Meter	km	Total mileage (Odometer value) of the moment a particular DTC is detected		
5	SLEEP>LOCK		While turning BCM status from low power consumption mode to normal mode (Power supply position is "LOCK"*)	
	SLEEP>OFF		While turning BCM status from low power consumption mode to normal mode (Power supply position is "OFF".)	
	LOCK>ACC		While turning power supply position from "LOCK"* to "ACC"	
	ACC>ON		While turning power supply position from "ACC" to "IGN"	
	RUN>ACC		While turning power supply position from "RUN" to "ACC" (Vehicle is stopping and selector lever is except P position.)	
	CRANK>RUN	Power position status of the moment a particular DTC is detected*	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"*	
Vehicle Condition	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"*	
	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 The number is 0 when a malfunction is detected now. The number increases like 1 → 2 → 338 → 39 after returning to the normal condition whenever ignition switch 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:0000000010584912

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WORK SUPPORT

Service item	Setting item	Setting	
SET I/L D-UNLCK INTCON	On*	Interior room lamps link with door unlock. (Interior room lamp timer function)	
	Off	Interior room lamps do not link with door unlock.	
	MODE 2	7.5 sec.	
ROOM LAMP TIMER SET	MODE 3*	15 sec.	Interior room lamp ON time after door are unlocked.
	MODE 4	30 sec.	
	MODE 1		
	MODE 2		
ROOM LAMP ON TIME SET	MODE 3	NOTE: The item is indicated, but not used.	
	MODE 4		
	MODE 5*		
	MODE 1		
	MODE 2		
ROOM LAMP OFF TIME SET	MODE 3	NOTE:	is indicated, but not used.
	MODE 4	THE ROLL	a maioatoa, sat not acca.
	MODE 5*		
	MODE 1*	Interior ro	om lamp timer activates by synchronizing all doors.
R LAMP TIMER LOGIC SET	MODE 2	Interior ro only.	om lamp timer activates by synchronizing the driver door

^{*:} Factory setting

DATA MONITOR

NOTE:

The following table includes information (items) inapplicable to this vehicle. For information (items) applicable to this vehicle, refer to CONSULT display items.

Monitor item [Unit]	Description
REQ SW-DR [On/Off]	The switch status input from request switch (driver side)
REQ SW-AS [On/Off]	The switch status input from request switch (passenger side)
REQ SW-RR [On/Off]	NOTE:
REQ SW-RL [On/Off]	The item is indicated, but not monitored.
PUSH SW [On/Off]	The switch status input from push-button ignition switch
UNLK SEN-DR [On/Off]	Driver door unlock status input from unlock sensor
KEY SW-SLOT [On/Off]	Key switch status input from key slot
DOOR SW-DR [On/Off]	The switch status input from front door switch (driver side)
DOOR SW-AS [On/Off]	The switch status input from front door switch (passenger side)
DOOR SW-RR [On/Off]	The switch status input from rear door switch (RH)
DOOR SW- RL [On/Off]	The switch status input from rear door switch (LH)

DIAGNOSIS SYSTEM (BCM)

< SYSTEM DESCRIPTION >

Monitor item [Unit]	Description
DOOR SW-BK [On/Off]	The switch status input from back door switch
CDL LOCK SW [On/Off]	Lock switch status received from door lock/unlock switch by power window switch serial link
CDL UNLOCK SW [On/Off]	Unlock switch status received from door lock/unlock switch by power window switch serial link
KEY CYL LK-SW [On/Off]	Lock switch status received from key cylinder switch by power window switch serial link
KEY CYL UN-SW [On/Off]	Unlock switch status received from key cylinder switch by power window switch serial link
TRNK/HAT MNTR [On/Off]	The switch status input from trunk room lamp switch
RKE-LOCK [On/Off]	Lock signal status received from remote keyless entry receiver
RKE-UNLOCK [On/Off]	Unlock signal status received from remote keyless entry receiver

ACTIVE TEST

Test item	Operation	Description			
INT LAMP	On	Outputs the room lamp timer signal to the total illumination control unit to activate interior room lamps. (Hospitality lighting functioning table "Scene 1")			
	Off	Stops the room lamp timer signal.			
STEP LAMP TEST	On	Outputs the step lamp control signal to turn step lamp ON.			
	Off	Stops the step lamp control signal to turn step lamp OFF.			
LUGGAGE LAMP TEST	On	NOTE:			
	Off	The item is indicated, but not used.			

BATTERY SAVER

BATTERY SAVER: CONSULT Function (BCM - BATTERY SAVER)

INFOID:0000000010584913

WORK SUPPORT

Service item	Setting item	Setting		
ROOM LAMP BAT SAV SET	On*	With the i	With the interior room lamp battery saver function	
ROOM LAMP BAT SAV SET			e interior room lamp battery saver function	
	MODE 1	30 min.		
ROOM LAMP TIMER SET	MODE 2	60 min.	Sets the interior room lamp battery saver timer operating time.	
	MODE 3*	15 min.		
BATTERY SAVER SET	On*	With the exterior lamp battery saver function		
DALIENT SAVEN SET	Off	Without the exterior lamp battery saver function		

^{*:} Factory setting

DATA MONITOR

NOTE:

The following table includes information (items) inapplicable to this vehicle. For information (items) applicable to this vehicle, refer to CONSULT display items.

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DIAGNOSIS SYSTEM (BCM)

< SYSTEM DESCRIPTION >

Monitor item [Unit]	Description
REQ SW-DR [On/Off]	The switch status input from request switch (driver side)
REQ SW-AS [On/Off]	The switch status input from request switch (passenger side)
REQ SW-RR [On/Off]	NOTE:
REQ SW-RL [On/Off]	The item is indicated, but not monitored.
PUSH SW [On/Off]	The switch status input from push-button ignition switch
UNLK SEN-DR [On/Off]	Driver door unlock status input from unlock sensor
KEY SW-SLOT [On/Off]	Key switch status input from key slot
DOOR SW-DR [On/Off]	The switch status input from front door switch (driver side)
DOOR SW-AS [On/Off]	The switch status input from front door switch (passenger side)
DOOR SW-RR [On/Off]	The switch status input from rear door switch (RH)
DOOR SW- RL [On/Off]	The switch status input from rear door switch (LH)
DOOR SW-BK [On/Off]	The switch status input from back door switch
CDL LOCK SW [On/Off]	Lock switch status received from door lock/unlock switch by power window switch serial link
CDL UNLOCK SW [On/Off]	Unlock switch status received from door lock/unlock switch by power window switch serial link
KEY CYL LK-SW [On/Off]	Lock switch status received from key cylinder switch by power window switch serial link
KEY CYL UN-SW [On/Off]	Unlock switch status received from key cylinder switch by power window switch serial link
TRNK/HAT MNTR [On/Off]	The switch status input from trunk room lamp switch
RKE-LOCK [On/Off]	Lock signal status received from remote keyless entry receiver
RKE-UNLOCK [On/Off]	Unlock signal status received from remote keyless entry receiver

ACTIVE TEST

Test item	Operation	Description
BATTERY SAVER	Off	Cuts the interior room lamp power supply (battery saver signal).
BATTERT SAVER	On	Provides the interior room lamp power supply (battery saver signal).

POWER SUPPLY AND GROUND CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

DTC/CIRCUIT DIAGNOSIS

POWER SUPPLY AND GROUND CIRCUIT TOTAL ILLUMINATION CONTROL UNIT

TOTAL ILLUMINATION CONTROL UNIT: Diagnosis Procedure

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1. FUSE INSPECTION

Check that the following fuses are not fusing.

Signal name	Connection position	Fuse No.	Capacity
Battery power supply	FUSE BLOCK (J/B)	10	10 A
Ignition switch ACC	FUSE BLOCK (J/B)	19	10 A
Ignition switch ON	IPDM E/R	44	10 A

Is the fuse fusing?

YES >> Repair the applicable circuit. And then replace the fuse.

NO >> GO TO 2.

2.check power supply circuit

Turn ignition switch OFF.

- Disconnect the total illumination control unit harness connector. 2.
- Check voltage between the total illumination control unit harness connector and ground.

	Terminals	Condition	Voltage (Approx.)	
(+)				(-)
Total illumination control unit				Ignition
Connector	Terminal		switch	
	21	Ground	OFF	
M129	5		ACC	Battery voltage
	7		ON	

Is the measurement value normal?

YES >> GO TO 3.

NO >> Repair harness or connector.

3. CHECK GROUND CIRCUIT

Turn ignition switch OFF.

Check continuity between the total illumination control unit harness connector and ground.

Total illuminat	ion control unit		Continuity	
Connector	Terminal	Ground	Continuity	
M129	23		Existed	

Does continuity exist?

YES >> Power supply and ground circuit are normal.

NO >> Repair harness or connector.

BCM

BCM: Diagnosis Procedure

1. CHECK FUSE AND FUSIBLE LINK

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

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POWER SUPPLY AND GROUND CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

Signal name	Fuse and fusible link No.
Rattery power supply	L
Battery power supply	10

Is the fuse fusing?

YES >> Replace the blown fuse or fusible link after repairing the affected circuit if a fuse or fusible link is blown.

NO >> GO TO 2.

2.CHECK POWER SUPPLY CIRCUIT

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

(+)	(-)	Voltage
ВСМ			(Approx.)
Connector	Terminal	Ground	
M118	1	Glound	Battery voltage
M119	11		Ballery Vollage

Is the measurement value normal?

YES >> GO TO 3.

NO >> Repair harness or connector.

3. CHECK GROUND CIRCUIT

Check continuity between BCM harness connector and ground.

В	СМ		Continuity	
Connector	Connector Terminal		Continuity	
M119	13		Existed	

Does continuity exist?

YES >> INSPECTION END

NO >> Repair harness or connector.

INTERIOR ROOM LAMP POWER SUPPLY CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

INTERIOR ROOM LAMP POWER SUPPLY CIRCUIT

Description INFOID:000000010584916

BCM provides the step lamp power supply. Also BCM outputs it as the battery saver signal to total illumination control unit. And BCM cuts the power supply when the interior room lamp battery saver is activated.

Diagnosis Procedure

INFOID:000000010584917

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1. CHECK INTERIOR ROOM LAMP POWER SUPPLY OUTPUT

©CONSULT ACTIVE TEST

- 1. Turn ignition switch ON.
- 2. Select "BATTERY SAVER" of BCM (BATTERY SAVER) active test item.
- 3. While operating the test item, check voltage between BCM harness connector and ground.

	Terminals	Test item			
(+)		(-)	iest item	Voltage	
ВСМ			BATTERY	(Approx.)	
Connector	Terminal	Ground	SAVER		
M119 4		Oround	Off	0 V	
WITE	4		On	12 V	

Is the measurement value normal?

YES >> GO TO 2. NO >> GO TO 3.

2.CHECK INTERIOR ROOM LAMP POWER SUPPLY CIRCUIT FOR OPEN

- 1. Turn ignition switch OFF.
- 2. Disconnect the following connectors.
- BCM
- Total illumination control unit
- Step lamp (Driver side)
- Step lamp (Passenger side)
- Step lamp (Rear LH)
- Step lamp (Rear RH)
- Luggage room lamp (Luggage side)
- Luggage room lamp (Back door side)
- Automatic back door close switch
- 3. Check continuity between BCM harness connector and each interior room lamp harness connector.

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INTERIOR ROOM LAMP POWER SUPPLY CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

ВСМ		Each interior room lamp and total illumination control unit			Continu-
Connec- tor	Terminal	Connector Terminal		ity	
		Total illumination control unit	M129	6	
		Step lamp (Driver side)	D12	1	
	M119 4	Step lamp (Passenger side)	D42	1	
M110		Step lamp (Rear LH)	D59	1	Existed
WITT		Step lamp (Rear RH)	D79	1	Existed
		Luggage room lamp (Luggage side)	B229	2	
	Luggage room lamp (Back door side)	D110	2		
	Automatic back door close switch	D113	3		

Does continuity exist?

YES >> Interior room lamp power supply circuit is normal.

NO >> Repair the harnesses or connectors.

3. CHECK INTERIOR ROOM LAMP POWER SUPPLY CIRCUIT FOR SHORT

- 1. Turn ignition switch OFF.
- 2. Disconnect the following connectors.
- BCM
- Total illumination control unit
- Step lamp (Driver side)
- Step lamp (Passenger side)
- Step lamp (Rear LH)
- Step lamp (Rear RH)
- Luggage room lamp (Luggage side)
- Luggage room lamp (Back door side)
- Automatic back door close switch
- 3. Check continuity between BCM harness connector and ground.

В	СМ		Continuity	
Connector	Terminal	Ground	Continuity	
M119	4		Not existed	

Does continuity exist?

YES >> Repair the harnesses or connectors.

NO >> Replace BCM.

BATTERY SAVER SIGNAL CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

BATTERY SAVER SIGNAL CIRCUIT

Description INFOID:000000010584918

BCM cuts the interior room lamp power supply depending on the vehicle condition. Total illumination control unit cuts the hospitality lighting power supply according to interior room lamp power supply (battery saver signal). This function prevents the battery from over-discharging if the driver neglects turning OFF any lamps.

Diagnosis Procedure

1. CHECK BATTERY SAVER SIGNAL INPUT

©CONSULT ACTIVE TEST

- 1. Turn ignition switch ON.
- 2. Select "BATTERY SAVER" of BCM (BATTERY SAVER) active test item.
- 3. While operating the test item, check voltage between total illumination control unit harness connector and ground.

	Terminals	Test item		
(+)		(-)	iest item	Voltage (Approx.)
Total illumination control unit		Е	BATTERY	
Connector	Terminal	Ground	SAVER	
M129	M120 6		Off	0 V
WIZS	0		On	12 V

Is the measurement value normal?

YES >> GO TO 2.

NO >> Check the interior room lamp power supply circuit. Refer to INL-29, "Description".

2.CHECK BATTERY SAVER SIGNAL BY CONSULT

(P)CONSULT DATA MONITOR

- Turn ignition switch ON.
- Select "BAT SAVER SIGNAL" of TOTAL ILLUM C/U data monitor item.
- Check the monitor status.

Monitor item	Monitor status
BAT SAVER SIGNAL	On

- Turn ignition switch OFF.
- 5. Disconnect the BCM (M119) connector.
- 6. Turn ignition switch ON.
- 7. Check the monitor status.

Monitor item	Monitor status	
BAT SAVER SIGNAL	Off	

Is the item status normal?

YES >> Battery saver signal circuit is normal.

NO >> Replace the total illumination control unit.

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< DTC/CIRCUIT DIAGNOSIS >

HOSPITALITY LIGHTING POWER SUPPLY CIRCUIT 1

Description INFOID:000000010584920

Total illumination control unit provides the following lamps power supply according to the battery saver signal from BCM.

- · Mood lamps (rear door armrest)
- Foot lamps
- Map lamps
- Center console indirect illumination (Ambience lamp)
- Personal lamps
- Vanity mirror lamps
- · Push-button ignition switch illumination

Diagnosis Procedure

INFOID:0000000010584921

CAUTION:

Check the following circuit first if the other room lamps (Puddle lamps, push-button ignition switch illumination, etc.) are not turned ON.

- Power supply and ground circuit of total illumination control unit: Refer to INL-27, "TOTAL ILLUMI-NATION CONTROL UNIT: Diagnosis Procedure".
- Battery saver signal circuit: Refer to INL-31, "Description".
- ${f 1}.$ CHECK HOSPITALITY LIGHTING POWER SUPPLY 1 OUTPUT

®CONSULT ACTIVE TEST

- Turn ignition switch ON.
- Select "BATTERY SAVER" of BCM (BATTERY SAVER) active test item.
- While operating the test item, check voltage between total illumination control unit harness connector and ground.

Terminals			Test item	Voltage
(+)		(-)		
Total illuminat	Illumination control unit		BATTERY	(Approx.)
Connector	Terminal	Ground	SAVER	
M129	35	Oround	Off	0 V
IVITZ9	33		On	12 V

Is the measurement value normal?

YES >> GO TO 2. NO >> GO TO 4.

2.CHECK HOSPITALITY LIGHTING POWER SUPPLY 1 CIRCUIT FOR OPEN

- Turn ignition switch OFF.
- Disconnect the following connectors.
- Total illumination control unit
- Roof module
- Foot lamp (driver side)
- Foot lamp (passenger side)
- Mood lamp (rear door armrest LH)
- Mood lamp (rear door armrest RH)
- Push-button ignition switch
- Check continuity between total illumination control unit harness connector and each lamp harness connectors.

< DTC/CIRCUIT DIAGNOSIS >

	nation con- unit	Each interior room lamp		Continuity	
Connector	Terminal	Connector		Terminal	
		Roof module	R2	12	
		Foot lamp (driver side)	M30	1	
	Foot lamp (passenger side)	M130	1		
M129	M129 35	Mood lamp (rear door armrest LH)	D58	1	Existed
	Mood lamp (rear door armrest RH)	D78	1		
		Push-button ignition switch	M50	3	

Does continuity exist?

YES >> GO TO 3.

NO >> Repair the harnesses or connectors.

3.CHECK ROOF MODULE CIRCUIT FOR OPEN

- Turn ignition switch OFF.
- 2. Disconnect the following connectors.
- Map lamp
- Vanity mirror lamp (LH)
- Vanity mirror lamp (RH)
- Personal lamp
- 3. Check continuity between the roof module harness connector and each lamp harness connectors.

Roof r	nodule	Each interior room lamp		Continuity	
Connector	Terminal	Connector Terr		Terminal	Continuity
		Man Jamn	R15	10	
		wap lamp	Map lamp R15		
R11	12	Vanity mirror lamp (LH)	R12	2	Existed
		Vanity mirror lamp (RH)	R13	2	
		Personal lamp	R14	4	

Is the measurement value normal?

YES >> Hospitality lighting power supply 1 circuit is normal.

NO >> Repair the harnesses or connectors.

4.CHECK HOSPITALITY LIGHTING POWER SUPPLY 1 CIRCUIT FOR SHORT

- Turn ignition switch OFF.
- Disconnect the following connectors.
- Total illumination control unit
- Roof module
- Foot lamp (driver side)
- Foot lamp (passenger side)
- Mood lamp (rear door armrest LH)
- Mood lamp (rear door armrest RH)
- Push-button ignition switch
- 3. Check continuity between total illumination control unit harness connector and ground.

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< DTC/CIRCUIT DIAGNOSIS >

Total illuminat	ion control unit		Continuity	
Connector	Terminal	Ground	Continuity	
M129	35		Not existed	

Does continuity exist?

YES >> Repair the harnesses or connectors.

NO >> GO TO 5.

5. CHECK ROOF MODULE CIRCUIT FOR SHORT

- 1. Disconnect the following connectors.
- Map lamp
- Vanity mirror lamp (LH)
- Vanity mirror lamp (RH)
- Personal lamp
- 2. Check continuity between roof module harness connector and ground.

Roof r	module		Continuity	
Connector Terminal		Ground	Continuity	
R11	12		Not existed	

Does continuity exist?

YES >> Repair the harnesses or connectors.

NO >> Replace the total illumination control unit.

< DTC/CIRCUIT DIAGNOSIS >

HOSPITALITY LIGHTING POWER SUPPLY CIRCUIT 2

Description INFOID:000000010584922

Total illumination control unit provides the following lamps power supply according to the battery saver signal from BCM.

- Puddle lamp
- · Mood lamp (front door armrest)

Diagnosis Procedure

INFOID:0000000010584923

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CAUTION:

Check the following circuit first if the other room lamps (Map lamp, personal lamps, foot lamps, each illumination, etc.) are not turned ON.

- Power supply and ground circuit of total illumination control unit: Refer to <u>INL-27</u>, "TOTAL ILLUMI-NATION CONTROL UNIT: Diagnosis Procedure".
- Battery saver signal circuit: Refer to INL-31, "Description"
- ${f 1}.$ CHECK HOSPITALITY LIGHTING POWER SUPPLY 2 OUTPUT

®CONSULT ACTIVE TEST

- 1. Turn ignition switch ON.
- 2. Select "BATTERY SAVER" of BCM (BATTERY SAVER) active test item.
- 3. While operating the test item, check voltage between total illumination control unit harness connector and ground.

Terminals			Test item	Voltage	
(+)		(-)			
Total illuminat	ion control unit		BATTERY	(Approx.)	
Connector	Terminal	Ground SAVER			
M129	34	Oround	Off	0 V	
IVI 129	J 4		On	12 V	

Is the measurement value normal?

YES >> GO TO 2.

NO >> GO TO 3.

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2.CHECK HOSPITALITY LIGHTING POWER SUPPLY 2 CIRCUIT FOR OPEN

- 1. Turn ignition switch OFF.
- 2. Disconnect the following connectors.
- Total illumination control unit
- Door mirror (driver side)
- Door mirror (passenger side)
- Mood lamp (front door armrest LH)
- Mood lamp (front door armrest RH)
- 3. Check continuity between total illumination control unit harness connector and each lamp harness connectors.

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< DTC/CIRCUIT DIAGNOSIS >

	nation con- unit	Each interior room lamp		Continuity	
Connector	Terminal	Connector		Terminal	
		Door mirror (driver side)	D3	2	
M129 34	Door mirror (passenger side)	D33	2	Existed	
	Mood lamp (front door armrest LH)	D16	1	LAISIEU	
		Mood lamp (front door armrest RH)	D46	1	

Does continuity exist?

YES >> Hospitality lighting power supply 2 circuit is normal.

NO >> Repair the harnesses or connectors.

3.CHECK HOSPITALITY LIGHTING POWER SUPPLY 2 CIRCUIT FOR SHORT

Check continuity between total illumination control unit harness connector and ground.

Total illumination control unit			Continuity
Connector	Terminal	Ground	Continuity
M129	34		Not existed

Does continuity exist?

YES >> Repair the harnesses or connectors.

NO >> Replace the total illumination control unit.

HOSPITALITY LIGHTING POWER SUPPLY CIRCUIT 3

< DTC/CIRCUIT DIAGNOSIS >

HOSPITALITY LIGHTING POWER SUPPLY CIRCUIT 3

Description INFOID:0000000010584924

Total illumination control unit provides the following illuminations power supply according to the battery saver signal from BCM.

Illuminations

- Trip computer switch
- Illumination control switch
- Multifunction switch
- Climate controlled seat switch
- · LDW switch
- Snow mode switch
- · Door mirror remote control switch
- AFS OFF switch
- Headlamp aiming switch
- Clock
- · Steering switch
- IBA OFF switch
- DCA switch
- VDC OFF switch

Diagnosis Procedure

INFOID:0000000010584925

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CAUTION:

Check the following circuit first if the other room lamps (Map Jamp, personal Jamps, foot Jamps, puddle lamps, etc.) are not turned ON.

- Power supply and ground circuit of total illumination control unit: Refer to INL-27, "TOTAL ILLUMI-NATION CONTROL UNIT : Diagnosis Procedure".
- Battery saver signal circuit: Refer to INL-31, "Description".
- 1.check hospitality lighting power supply 3 output

(P)CONSULT ACTIVE TEST

- Turn ignition switch ON.
- Set the illumination control switch in maximum.
- Select "BATTERY SAVER" of BCM (BATTERY SAVER) active test item.
- While operating the test item, check voltage between total illumination control unit harness connector and ground.

	Terminals	Test item				
((+)		(+) (-)		rest item	Voltage (Approx.)
Total illuminat	Total illumination control unit		BATTERY SAVER	(Approx.)		
Connector	Terminal	Ground	DATTERT GAVER			
M129	33	Ground	Off	0 V		
IVI 129	33		On	12 V		

Is the measurement value normal?

YES >> GO TO 2.

NO >> GO TO 3.

2.check hospitality lighting power supply 3 circuit for open

- Turn ignition switch OFF.
- 2.
- connectors.

Disconnect the total illumination control unit connector and each illumination connectors. Check continuity between total illumination control unit harness connector and each illumination harness

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HOSPITALITY LIGHTING POWER SUPPLY CIRCUIT 3

< DTC/CIRCUIT DIAGNOSIS >

Total illumination control unit		Illuminations			Continuity
Connector	Terminal	Connector		Terminal	Continuity
	Meter control switch	M54	4		
		Multifunction switch	M72	4	
M129 33		Climate controlled seat switch (driver side)	M177	7	
		Climate controlled seat switch (passenger side)	M178	7	
		LDW switch	M29	5	
		Snow mode switch	M176	5]
	33	Door mirror remote control switch	M20	16	Existed
		AFS OFF switch	M21	5	
		Headlamp aiming switch	M15	3	
		Clock	M74	2	
		Combination switch	M36	23	
	IBA OFF switch	M184	5		
		DCA switch	M18	3	
		VDC OFF switch	M19	3	

Does continuity exist?

>> Hospitality lighting power supply 3 circuit is normal. >> Repair the harnesses or connectors. YES

NO

${f 3.}$ CHECK HOSPITALITY LIGHTING POWER SUPPLY 3 CIRCUIT FOR SHORT

Check continuity between total illumination control unit harness connector and ground.

Total illuminat	tion control unit		Continuity	
Connector Terminal		Ground	Continuity	
M129	33		Not existed	

Does continuity exist?

YES >> Repair the harnesses or connectors.

NO >> Replace the total illumination control unit.

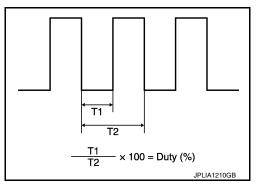
MAP LAMP CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

MAP LAMP CIRCUIT

Description INFOID:0000000010584926

Controls the lamp (ground side) by PWM signal (duty) when the map lamp main switch is DOOR.



Component Function Check

CAUTION:

Check the following item first.

- Hospitality lighting power supply 1 circuit (When both side lamps are not turned ON.)
- Map lamp bulbs
- 1. CHECK MAP LAMP CONTROL FUNCTION

®CONSULT ACTIVE TEST

- 1. Turn ignition switch ON.
- Select "MAP LAMP-DR" or "MAP LAMP-AS" of TOTAL ILLUM C/U active test item.
- 3. While operating the test items, check map lamps operation.

Test	item	Operation		
MAP LAMP-DR	On	Map lamp	ON	
	Off	(driver side)	OFF	
MAP LAMP-AS	On	Map lamp	ON	
WAF LAWF-AG	Off	(passenger side)	OFF	

Are the map lamps turned ON/OFF?

YES >> Map lamp circuit is normal.

NO >> Refer to INL-39, "Diagnosis Procedure".

Diagnosis Procedure

1. CHECK MAP LAMP CONTROL OUTPUT

©CONSULT ACTIVE TEST

- 1. Turn ignition switch ON.
- Switch map lamp main switch DOOR.
- 3. Select "MAP LAMP-DR" or "MAP LAMP-AS" of TOTAL ILLUM C/U active test item.
- 4. While operating the test items, check voltage between total illumination control unit harness connector and ground.

INL-39

Driver side

Total illumination control unit			Test item	Voltage
Connector	Terminal	Ground	MAP LAMP- DR	(Approx.)
M129	18		On	0 V
101129	10		Off	12 V

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MAP LAMP CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

Passenger side

Total illumination control unit			Test item	Voltage
Connector	Terminal	Ground	MAP LAMP- AS	(Approx.)
M129	M129 12		On	0 V
IVI 129	12		Off	12 V

Is the measurement value normal?

Fixed at 12 V>>Replace the total illumination control unit.

Fixed at 0 V>>GO TO 2.

2.CHECK THE SYMPTOM

Check that the lamp fixed to ON or OFF.

Fixed OFF>>GO TO 3. Fixed ON>>GO TO 4.

3.CHECK MAP LAMP CONTROL CIRCUIT FOR OPEN

- 1. Turn ignition switch OFF.
- 2. Disconnect the total illumination control unit and map lamp connector.
- Check continuity between the total illumination control unit harness connector and map lamp harness connector.

Total illumination control unit			Map lamp		
Connector		Terminal	Connector Terminal		Continuity
Driver side	M129	18	R15	7	Existed
Passen- ger side	WITZ9	12	1(15	9	LAISIEU

Does continuity exist?

YES >> Replace the map lamp assembly.

NO >> Repair the harnesses or connectors.

4. CHECK MAP LAMP CONTROL CIRCUIT FOR SHORT

- 1. Turn ignition switch OFF.
- 2. Disconnect the total illumination control unit and map lamp connector.
- 3. Check continuity between the total illumination control unit harness connector and ground.

Total illumination control unit				Continuity
Connector Terminal		Terminal		Continuity
Driver side		18	Ground	Not existed
Passen- ger side		12		

Does continuity exist?

YES >> Repair the harnesses or connectors.

NO >> Replace the total illumination control unit.

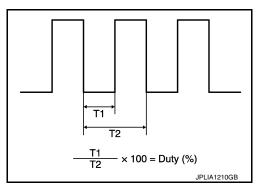
PERSONAL LAMP CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

PERSONAL LAMP CIRCUIT

Description INFOID:0000000010584929

Controls the lamp (ground side) by PWM signal (duty) when map lamp main switch is DOOR.



Component Function Check

CAUTION:

Before performing the diagnosis, check that the following items are normal.

- Hospitality lighting power supply 1 circuit (When both sides lamp are not turned ON.)
- Personal lamp bulbs
- $1.\mathsf{check}$ personal lamp control function

©CONSULT ACTIVE TEST

- 1. Turn ignition switch ON.
- 2. Select "PERSONAL LAMP-RR" or "PERSONAL LAMP-RL" of TOTAL ILLUM C/U active test item.
- 3. While operating the test items, check personal lamps operation.

Test	titem	Operation		
PERSONAL LAMP-RR	On	Personal lamp	ON	
	Off	(RH)	OFF	
PERSONAL	On	Personal lamp	ON	
LAMP-RL	Off	(LH)	OFF	

Are the personal lamps turned ON/OFF?

YES >> Personal lamp circuit is normal.

NO >> Refer to INL-41, "Diagnosis Procedure".

Diagnosis Procedure

1. CHECK PERSONAL LAMP CONTROL OUTPUT

©CONSULT ACTIVE TEST

- Turn ignition switch ON.
- 2. Select "PERSONAL LAMP-RR" or "PERSONAL LAMP-RR" of TOTAL ILLUM C/U active test item.
- While operating the test items, check voltage between total illumination control unit harness connector and ground.

Personal lamp RH

Total illumination control unit			Test item	Voltage
Connecto	r Terminal	Ground	PERSONAL LAMP-RR	(Approx.)
M129	14		On	0 V
101129	14		Off	12 V

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PERSONAL LAMP CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

Personal lamp LH

Total illumination control unit			Test item	Voltage
Connector	Terminal	Ground	PERSONAL LAMP-RL	(Approx.)
M129 13			On	0 V
W1129	13		Off	12 V

Is the measurement value normal?

Fixed at 12 V>>Replace the total illumination control unit.

Fixed at 0 V>>GO TO 2.

2.CHECK THE SYMPTOM

Check that the lamp fixed to ON or OFF.

Fixed OFF>>GO TO 3. Fixed ON>>GO TO 4.

$3. \mathsf{CHECK}$ PERSONAL LAMP CONTROL CIRCUIT FOR OPEN

- 1. Turn ignition switch OFF.
- 2. Disconnect the total illumination control unit and personal lamp connectors.
- Check continuity between the total illumination control unit harness connector and personal lamp harness connector.

Total illumination control unit			Personal lamp		
Connector		Terminal	Connec- tor	Terminal	Continuity
RH	M129	14 R14		3	Existed
LH	WIIZ	13	1014	1	LAISIEU

Does continuity exist?

YES >> Replace the personal lamp assembly.

NO >> Repair the harnesses or connectors.

4. CHECK PERSONAL LAMP CONTROL CIRCUIT FOR SHORT

- 1. Turn ignition switch OFF.
- 2. Disconnect the total illumination control unit and personal lamp connectors.
- 3. Check continuity between the total illumination control unit harness connector and ground.

Total illumination control unit				Continuity	
Connector		Terminal	Ground	Continuity	
RH	M129	14	Glound	Not existed	
LH	101129	13			

Does continuity exist?

YES >> Repair the harnesses or connectors.

NO >> Replace the total illumination control unit.

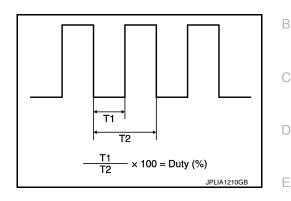
CENTER CONSOLE INDIRECT ILLUMINATION CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

CENTER CONSOLE INDIRECT ILLUMINATION CIRCUIT

Description INFOID.000000010584932

Controls the lamp (ground side) by PWM signal (duty).



INFOID:0000000010584933

INFOID:0000000010584934

Component Function Check

1. CHECK CENTER CONSOLE INDIRECT ILLUMINATION CONTROL FUNCTION

PCONSULT ACTIVE TEST

- 1. Turn ignition switch ON.
- 2. Select "AMBIENCE LAMP" of TOTAL ILLUM C/U active test item.
- While operating the test items, check center console indirect illumination operation.

Test	item	Operation		
AMBIENCE	On	Center console in- direct illumination	ON	
LAMP	Off		OFF	

Is the center console indirect illumination turned ON/OFF?

YES >> Center console indirect illumination circuit is normal.

NO >> Refer to INL-43, "Diagnosis Procedure".

Diagnosis Procedure

1. CHECK CENTER CONSOLE INDIRECT ILLUMINATION CONTROL OUTPUT

©CONSULT ACTIVE TEST

- Turn ignition switch ON.
- 2. Select "AMBIENCE LAMP" of TOTAL ILLUM C/U active test item.
- While operating the test items, check voltage between total illumination control unit harness connector and ground.

Total illumination control unit			Test item	Voltage
Connector	Terminal	Ground	AMBIENCE LAMP	(Approx.)
M129	20		On	0 V
101129	20		Off	12 V

Is the measurement value normal?

Fixed at 12 V>>Replace the total illumination control unit. Fixed at 0 V>>GO TO 2.

2.CHECK THE SYMPTOM

Check that the lamp fixed to ON or OFF.

Fixed OFF>>GO TO 3. Fixed ON>>GO TO 5.

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CENTER CONSOLE INDIRECT ILLUMINATION CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

$\overline{3}$.check center console indirect illumination power supply

- 1. Turn ignition switch OFF.
- 2. Disconnect the map lamp connector.
- 3. Turn ignition switch ON.
- 4. Check voltage between the map lamp harness connector and ground.

Мар	lamp		Voltage
Connector	Connector Terminal		(Approx.)
R15	5		12 V

Is the measurement value normal?

YES >> GO TO 4.

NO >> Check the hospitality lighting power supply circuit 1. Refer to INL-32, "Diagnosis Procedure".

4.CHECK CENTER CONSOLE INDIRECT ILLUMINATION CONTROL CIRCUIT FOR OPEN

- 1. Turn ignition switch OFF.
- 2. Disconnect the total illumination control unit connector.
- Check continuity between the total illumination control unit harness connector and map lamp harness connector.

Total illumination control unit		Map lamp		Continuity	
Terminal		Connector	Terminal	Continuity	
M129	20	R15	6	Existed	

Does continuity exist?

YES >> Replace the map lamp assembly.

NO >> Repair the harnesses or connectors.

${f 5}.$ check center console indirect illumination control circuit for short

- 1. Turn ignition switch OFF.
- 2. Disconnect the total illumination control unit and map lamp connectors.
- 3. Check continuity between the total illumination control unit harness connector and ground.

Total illuminat	ion control unit		Continuity
Connector	Terminal	Ground	Not existed
M129	20		NOT EXISTED

Does continuity exist?

YES >> Repair the harnesses or connectors.

NO >> Replace the total illumination control unit.

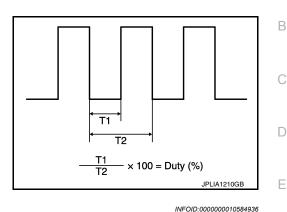
FOOT LAMP CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

FOOT LAMP CIRCUIT

Description INFOID:000000010584935

Controls the lamp (ground side) by PWM signal (duty).



Component Function Check

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CAUTION:

Check foot lamp bulbs first.

1. CHECK FOOT LAMP CONTROL FUNCTION

CONSULT ACTIVE TEST

- 1. Turn ignition switch ON.
- Select "FOOT LAMP" of TOTAL ILLUM C/U active test item.
- 3. While operating the test items, check foot lamps operation.

Test	item	Operation		
FOOT LAMP	On	Foot lamps	ON	
	Off	1 oot lamps	OFF	

Are the foot lamps turned ON/OFF?

YES >> Foot lamp circuit is normal.

NO >> Refer to <u>INL-50</u>, "<u>Diagnosis Procedure</u>".

Diagnosis Procedure

1. CHECK FOOT LAMP CONTROL OUTPUT

PCONSULT ACTIVE TEST

- Turn ignition switch ON.
- 2. Select "FOOT LAMP" of TOTAL ILLUM C/U active test item.
- While operating the test items, check voltage between total illumination control unit harness connector and ground.

Driver side

Total illumination control unit			Test item	Voltage (Approx.)	
Connector	Terminal	Ground	FOOT LAMP	(дрргох.)	
M129	36		On	0 V	
101129	30		Off	12 V	

Passenger	

Total illumination control unit			Test item	Voltage (Approx.)	
Connector	Terminal	Ground	FOOT LAMP	(дрргох.)	
M129 16		On	0 V		
101129	10		Off	12 V	

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FOOT LAMP CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

Is the measurement value normal?

Fixed at 12 V>>Replace the total illumination control unit.

Fixed at 0 V>>GO TO 2.

2.CHECK THE SYMPTOM

Check that the lamp fixed to ON or OFF.

Fixed OFF>>GO TO 3.

Fixed ON>>GO TO 5.

3.CHECK FOOT LAMP POWER SUPPLY

- 1. Turn ignition switch OFF.
- Disconnect the foot lamp connector.
- 3. Turn ignition switch ON.
- 4. Check voltage between the foot lamp harness connector and ground.

Foot lamp				Voltage
Connector Terminal			(Approx.)	
Driver side	M30	1	Ground	12 V
Passen- ger side	M130	1		12 V

Is the measurement value normal?

YES >> GO TO 4.

NO >> Check the hospitality lighting power supply circuit 1. Refer to INL-32, "Diagnosis Procedure".

4. CHECK FOOT LAMP CONTROL CIRCUIT FOR OPEN

- Turn ignition switch OFF.
- 2. Disconnect the total illumination control unit connector.
- Check continuity between the total illumination control unit harness connector and foot lamp harness connector.

Total illumination control unit		Foot lamp		Continuity	
Coni	Connector Terminal		Connector	Terminal	Continuity
Driver side	M129	36	M30	2	Existed
Passen- ger side	M129	16	M130	2	LAISIEU

Does continuity exist?

YES >> Replace the foot lamp.

NO >> Repair the harnesses or connectors.

5. CHECK FOOT LAMP CONTROL CIRCUIT FOR SHORT

- Turn ignition switch OFF.
- 2. Disconnect the total illumination control unit and foot lamp connectors.
- 3. Check continuity between the total illumination control unit harness connector and ground.

Total illumination control unit				Continuity
Connector Terminal			Continuity	
Driver side	- M129	36	Ground	Not existed
Passen- ger side		16		Not existed

Does continuity exist?

FOOT LAMP CIRCUIT

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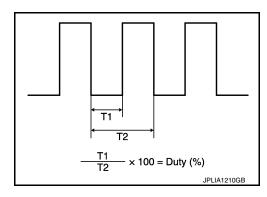
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< DTC/CIRCUIT DIAGNOSIS > >> Repair the harnesses or connectors. YES NO >> Replace the total illumination control unit. INL

PUDDLE LAMP CIRCUIT

Description INFOID:000000010584938

Controls the lamp (ground side) by PWM signal (duty).



Component Function Check

INFOID:0000000010584939

1. CHECK PUDDLE LAMP CONTROL FUNCTION

©CONSULT ACTIVE TEST

- 1. Turn ignition switch ON.
- 2. Select "PUDDLE LAMP" of TOTAL ILLUM C/U active test item.
- 3. While operating the test items, check puddle lamps operation.

Test	item	Operation	
PUDDLE LAMP	On	Puddle lamps	ON
	Off	i dudie lamps	OFF

Are the puddle lamps turned ON/OFF?

YES >> Puddle lamp circuit is normal.

NO >> Refer to INL-48, "Diagnosis Procedure".

Diagnosis Procedure

INFOID:0000000010584940

1. CHECK PUDDLE LAMP CONTROL OUTPUT

®CONSULT ACTIVE TEST

- Turn ignition switch ON.
- 2. Select "PUDDLE LAMP" of TOTAL ILLUM C/U active test item.
- While operating the test items, check voltage between total illumination control unit harness connector and ground.

Driver side

Total illumination control unit			Test item	Voltage
Connector	Terminal	Ground	PUDDLE LAMP	(Approx.)
M129	40		On	0 V
IVITZ9	40		Off	12 V

Passenger side

Total illumination control unit			Test item	Voltage
Connector	Terminal	Ground	PUDDLE LAMP	(Approx.)
M129	39		On	0 V
IVITZ9	39		Off	12 V

Is the measurement value normal?

PUDDLE LAMP CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

Fixed at 12 V>>Replace the total illumination control unit.

Fixed at 0 V>>GO TO 2.

2.CHECK THE SYMPTOM

Check that the lamp fixed to ON or OFF.

Fixed OFF>>GO TO 3. Fixed ON>>GO TO 5.

3.CHECK PUDDLE LAMP POWER SUPPLY

- 1. Turn ignition switch OFF.
- Disconnect the door mirror connector. 2.
- 3. Turn ignition switch ON.
- Check voltage between the door mirror lamp harness connector and ground.

Door mirror				Voltage
Connector Terminal			(Approx.)	
Driver side	D3	2	Ground	12 V
Passen- ger side	D33	2		

Is the measurement value normal?

YES >> GO TO 4.

NO >> Check the hospitality lighting power supply circuit 2. Refer to INL-32, "Diagnosis Procedure".

4.CHECK PUDDLE LAMP CONTROL CIRCUIT FOR OPEN

- Turn ignition switch OFF.
- Disconnect the total illumination control unit connector.
- Check continuity between the total illumination control unit harness connector and door mirror harness connector.

Total illumination control unit		Door mirror		Continuity	
Connector		Terminal	Connector	Terminal	Continuity
Driver side	M129	40	D3	14	Existed
Passen- ger side	M129	39	D33	14	LAISIEU

Does continuity exist?

YES >> Replace the puddle lamp.

NO >> Repair the harnesses or connectors.

5. CHECK PUDDLE LAMP CONTROL CIRCUIT FOR SHORT

- Turn ignition switch OFF.
- Disconnect the total illumination control unit and puddle lamp connector. 2.
- Check continuity between the total illumination control unit harness connector and ground.

Total illumination control unit				Continuity
Connector Termin		Terminal		Continuity
Driver side	M129	40	Ground	Not existed
Passen- ger side		39		

Does continuity exist?

YES >> Repair the harnesses or connectors.

NO >> Replace the total illumination control unit.

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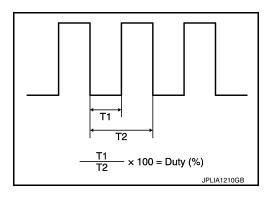
MOOD LAMP (FRONT DOOR ARMREST) CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

MOOD LAMP (FRONT DOOR ARMREST) CIRCUIT

Description INFOID:000000010584941

Controls the lamp (ground side) by PWM signal (duty).



Component Function Check

INFOID:0000000010584942

$1. {\sf CHECK\ MOOD\ LAMP\ (FRONT\ DOOR\ ARMREST)\ CONTROL\ FUNCTION}$

©CONSULT ACTIVE TEST

- 1. Turn ignition switch ON.
- 2. Select "MOOD LAMP" of TOTAL ILLUM C/U active test item.
- 3. While operating the test items, check mood lamp (front door armrest) operation.

Test	titem	Operation		
MOOD LAMP	On	Mood lamp	ON	
	Off	(front door armrest)	OFF	

Are the mood lamps (front door armrest) turned ON/OFF?

YES >> Mood lamp (front door armrest) circuit is normal.

NO >> Refer to INL-50, "Diagnosis Procedure".

Diagnosis Procedure

INFOID:0000000010584943

1. CHECK MOOD LAMP (FRONT DOOR ARMREST) CONTROL OUTPUT

©CONSULT ACTIVE TEST

- Turn ignition switch ON.
- 2. Select "MOOD LAMP" of TOTAL ILLUM C/U active test item.
- While operating the test items, check voltage between total illumination control unit harness connector and ground.

Mood lamp (front door armrest RH)

Total illumination control unit			Test item	Voltage (Approx.)
Connector	Terminal	Ground	MOOD LAMP	(дрргох.)
M129	10		On	0 V
	10		Off	12 V

Mood lamp (front door armrest LH)

Total illumination control unit			Test item	Voltage (Approx.)	
Connector	Terminal	Ground	MOOD LAMP	(дрргох.)	
M129 30	30	1	On	0 V	
	30		Off	12 V	

Is the measurement value normal?

Fixed at 12 V>>Replace the total illumination control unit.

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MOOD LAMP (FRONT DOOR ARMREST) CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

Fixed at 0 V>>GO TO 2.

2.CHECK THE SYMPTOM

Check that the lamp fixed to ON or OFF.

Fixed OFF>>GO TO 3. Fixed ON>>GO TO 5.

$3.\mathsf{CHECK}$ MOOD LAMP (FRONT DOOR ARMREST) POWER SUPPLY

- 1. Turn ignition switch OFF.
- 2. Disconnect the mood lamp (front door armrest) connector.
- 3. Turn ignition switch ON.
- 4. Check voltage between the mood lamp (front door armrest) harness connector and ground.

Mood lamp (front door armrest)				Voltage
Connector Terminal			Ground	(Approx.)
RH	D46	1	Glound	12 V
LH	D16	1		12 V

Is the measurement value normal?

YES >> GO TO 4.

NO >> Check the hospitality lighting power supply circuit 2. Refer to INL-32, "Diagnosis Procedure".

4. CHECK MOOD LAMP (FRONT DOOR ARMREST) CONTROL CIRCUIT FOR OPEN

- 1. Turn ignition switch OFF.
- Disconnect the total illumination control unit connector.
- Check continuity between the total illumination control unit harness connector and mood lamp (front door armrest) harness connector.

Total illumination control unit		Mood (front doo	lamp r armrest)	Continuity	
Conr	nector	Terminal	Connector Terminal		
RH	M129	10	D46	2	Existed
LH	101129	30	D16	2	LAISIEU

Does continuity exist?

YES >> Replace the mood lamp (front door armrest).

NO >> Repair the harnesses or connectors.

5. CHECK MOOD LAMP (FRONT DOOR ARMREST) CONTROL CIRCUIT FOR SHORT

- Turn ignition switch OFF.
- 2. Disconnect the total illumination control unit and mood lamp (front door armrest) connectors.
- Check continuity between the total illumination control unit harness connector and ground.

Total illumination control unit				Continuity	
Connector Te		Terminal	Ground	Continuity	
RH	M129	10	Ground	Not existed	
LH	IVITZ9	30			

Does continuity exist?

YES >> Repair the harnesses or connectors.

NO >> Replace the total illumination control unit.

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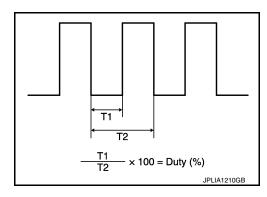
PUSH-BUTTON IGNITION SWITCH ILLUMINATION CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

PUSH-BUTTON IGNITION SWITCH ILLUMINATION CIRCUIT

Description INFOID:000000010584944

Controls the lamp (ground side) by PWM signal (duty).



Component Function Check

INFOID:0000000010584945

1. CHECK PUSH-BUTTON IGNITION SWITCH ILLUMINATION OPERATION

©CONSULT ACTIVE TEST

- 1. Turn ignition switch ON.
- Select "ENGINE SWITCH ILLUMINATION" of TOTAL ILLUM C/U active test item.
- 3. While operating the test items, check the push-button ignition switch illumination operation.

Test item		Operation	
ENGINE SWITCH IL-	On	Push-button ignition	ON
LUMINATION	Off	switch illumination	OFF

Is the push-button ignition switch illumination turned ON/OFF?

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

NO >> Refer to INL-52, "Diagnosis Procedure".

Diagnosis Procedure

INFOID:0000000010584946

1. CHECK PUSH-BUTTON IGNITION SWITCH ILLUMINATION CONTROL OUTPUT

(P)CONSULT ACTIVE TEST

- Turn ignition switch ON.
- 2. Select "ENGINE SWITCH ILLUMINATION" of TOTAL ILLUM C/U active test item.
- While operating the test items, check voltage between total illumination control unit harness connector and ground.

Driver side

Total illumination control unit			Test item	Voltago
Connector	Terminal	Ground	ENGINE SWITCH ILLU- MINATION	Voltage (Approx.)
M120	M129 19		On	0 V
101129			Off	12 V

Is the measurement value normal?

Fixed at 12 V>>Replace the total illumination control unit.

Fixed at 0 V>>GO TO 2.

${f 2.}$ CHECK THE SYMPTOM

Check that the lamp fixed to ON or OFF.

Fixed OFF>>GO TO 3.

PUSH-BUTTON IGNITION SWITCH ILLUMINATION CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

Fixed ON>>GO TO 5.

${f 3.}$ CHECK PUSH-BUTTON IGNITION SWITCH ILLUMINATION POWER SUPPLY

Turn ignition switch OFF.

- Disconnect the push-button ignition switch connector. 2.
- Turn ignition switch ON. 3.
- Check voltage between the push-button ignition switch harness connector and ground.

Push-button	ignition switch		Voltage
Connector	Terminal	Ground	(Approx.)
M50	3		12 V

Is the measurement value normal?

YES >> GO TO 4.

NO >> Check the hospitality lighting power supply circuit 1. Refer to INL-32, "Diagnosis Procedure".

4.CHECK PUSH-BUTTON IGNITION SWITCH ILLUMINATION CONTROL CIRCUIT FOR OPEN

- Turn ignition switch OFF.
- Disconnect the total illumination control unit connector. 2.
- Check continuity between the total illumination control unit harness connector and push-button ignition switch illumination harness connector.

Total illuminat	ion control unit	Push-button i	Continuity	
Connector	Terminal	Connector	Terminal	Continuity
M129	19	M50	2	Existed

Does continuity exist?

YES >> Repair the harnesses or connectors.

NO >> Replace the push-button ignition switch.

${f 5.}$ CHECK PUSH-BUTTON IGNITION SWITCH ILLUMINATION CONTROL CIRCUIT FOR SHORT

- Turn ignition switch OFF.
- Disconnect the total illumination control unit and push-button ignition switch connectors. 2.
- Check continuity between the total illumination control unit harness connector and ground.

Total illumination control unit			Continuity	
Connector Terminal		Ground	Continuity	
M129	19		Not existed	

Does continuity exist?

YES >> Repair the harnesses or connectors.

>> Replace the total illumination control unit. NO

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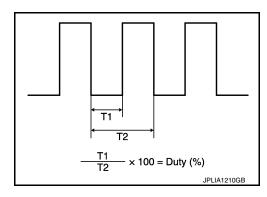
MOOD LAMP (REAR DOOR ARMREST) CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

MOOD LAMP (REAR DOOR ARMREST) CIRCUIT

Description INFOID:000000010584947

Controls the lamp (ground side) by PWM signal (duty).



Component Function Check

INFOID:0000000010584948

$1.\mathsf{CHECK}\ \mathsf{MOOD}\ \mathsf{LAMP}\ (\mathsf{REAR}\ \mathsf{DOOR}\ \mathsf{ARMREST})\ \mathsf{CONTROL}\ \mathsf{FUNCTION}$

©CONSULT ACTIVE TEST

- 1. Turn ignition switch ON.
- 2. Select "MOOD LAMP" of TOTAL ILLUM C/U active test item.
- 3. While operating the test items, check mood lamp (rear door armrest) operation.

Test	item	Operation	
MOOD LAMP	On	Mood lamp	ON
	Off	(rear door armrest)	OFF

Are the mood lamps (rear door armrest) turned ON/OFF?

YES >> Mood lamp (rear door armrest) circuit is normal.

NO >> Refer to INL-54, "Diagnosis Procedure".

Diagnosis Procedure

INFOID:0000000010584949

1. CHECK MOOD LAMP (REAR DOOR ARMREST) CONTROL OUTPUT

(P)CONSULT ACTIVE TEST

- Turn ignition switch ON.
- 2. Select "MOOD LAMP" of TOTAL ILLUM C/U active test item.
- While operating the test items, check voltage between total illumination control unit harness connector and ground.

Mood lamp (rear door armrest RH)

Total illumination control unit			Test item	Voltage (Approx.)
Connector	Terminal	Ground	MOOD LAMP	(дрргох.)
M129	M129 11		On	0 V
101129 11		Off	12 V	

Mood lamp (rear door armrest LH)

Total illumination control unit			Test item	Voltage (Approx.)
Connector	Terminal	Ground	MOOD LAMP	(Approx.)
M129	31	31	On	0 V
101129 31		Off	12 V	

Is the measurement value normal?

Fixed at 12 V>>Replace the total illumination control unit.

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MOOD LAMP (REAR DOOR ARMREST) CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

Fixed at 0 V>>GO TO 2.

2. CHECK THE SYMPTOM

Check that the lamp fixed to ON or OFF.

Fixed OFF>>GO TO 3. Fixed ON>>GO TO 5.

$3.\mathsf{CHECK}$ MOOD LAMP (REAR DOOR ARMREST) POWER SUPPLY

- Turn ignition switch OFF.
- 2. Connect the total illumination control unit connector.
- 3. Disconnect the mood lamp (rear door armrest) connector.
- Turn ignition switch ON.
- 5. Check voltage between the mood lamp (rear door armrest) harness connector and ground.

Mood lamp (rear door armrest)				Voltage
Connector Terminal		Ground	(Approx.)	
RH	D78	1	Glound	12 V
LH	D58	1		12 V

Is the measurement value normal?

YES >> GO TO 4.

NO >> Check the hospitality lighting power supply circuit 1. Refer to <u>INL-32, "Diagnosis Procedure"</u>.

4.CHECK MOOD LAMP (REAR DOOR ARMREST) CONTROL CIRCUIT FOR OPEN

- Turn ignition switch OFF.
- 2. Disconnect the total illumination control unit connector.
- 3. Check continuity between the total illumination control unit harness connector and mood lamp (rear door armrest) harness connector.

Total illumination control unit		Mood lamp (rear door armrest)		Continuity	
Conr	nector	Terminal	Connector Terminal		
RH	M129	11	D78	2	Existed
LH	IVITZ9	31	D58	2	LAISIEU

Does continuity exist?

>> Replace the mood lamp (rear door armrest).

NO >> Repair the harnesses or connectors.

5.CHECK MOOD LAMP (REAR DOOR ARMREST) CONTROL CIRCUIT FOR SHORT

- Turn ignition switch OFF.
- Disconnect the total illumination control unit and mood lamp (rear door armrest) connectors. 2.
- Check continuity between the total illumination control unit harness connector and ground.

Total illumination control unit				Continuity
Connector Terminal		Ground	Continuity	
RH	M129	11	Ground	Not existed
LH	101129	31		Not existed

Does continuity exist?

YES >> Repair the harnesses or connectors.

>> Replace the total illumination control unit. NO

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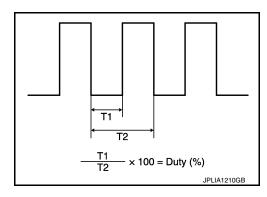
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HOSPITALITY ILLUMINATION CIRCUIT

Description INFOID:0000000010584950

Controls the lamp (ground side) by PWM signal (duty).



Component Function Check

INFOID:0000000010584951

1.check illumination control function

©CONSULT ACTIVE TEST

- Turn ignition switch ON.
- Select "HSPL ILLUMINATION" of TOTAL ILLUM C/U active test item.
- While operating the test items, check the illuminations operation.

Test item		Operation	
HSPL ILLUMINATION	On	Illuminations	ON
TIOI E ILLOWINATION	Off	mammadons	OFF

Are the illuminations turned ON/OFF?

YES >> Hospitality illumination circuit is normal. NO >> Refer to INL-56, "Diagnosis Procedure".

Diagnosis Procedure

INFOID:0000000010584952

1. CHECK ILLUMINATION CONTROL OUTPUT

(P)CONSULT ACTIVE TEST

- Turn ignition switch ON.
- Select "HSPL ILLUMINATION" of TOTAL ILLUM C/U active test item.
- While operating the test items, check voltage between total illumination control unit harness connector and ground.

Total illumination control unit			Test item	Voltage
Connector	Terminal	Ground	HSPL ILLU- MINATION	(Approx.)
M129	17	17	On	0 V
101129	17		Off	12 V

Is the measurement value normal?

Fixed at 12 V>>Replace the total illumination control unit. Fixed at 0 V>>GO TO 2.

2.CHECK THE SYMPTOM

Check that each illumination fixed to ON or OFF.

Fixed OFF>>GO TO 3. Fixed ON>>GO TO 5.

HOSPITALITY ILLUMINATION CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

3.CHECK EACH ILLUMINATION POWER SUPPLY

- 1. Turn ignition switch OFF.
- 2. Disconnect each illumination connectors.
- Turn ignition switch ON.
- 4. Check voltage between each illumination harness connectors and ground.

Illu	minations			Voltage
Connect	or	Terminal		(Approx.)
Meter control switch	M54	4		
Multifunction switch	M72	4		
Climate controlled seat switch (driver side)	M177	7		
Climate controlled seat switch (passenger side)	M178	7		
LDW switch	M29	5		
Snow mode switch	M176	5	Ground	12 V
Door mirror remote control switch	M20	16		12 V
AFS OFF switch	M21	5		
Headlamp aiming switch	M15	3		
Clock	M74	2	-	
Combination switch	M36	23		
IBA OFF switch	M184	5		
DCA switch	M18	3		
VDC OFF switch	M19	3	1	

Is the measurement value normal?

YES >> GO TO 4.

NO >> Check the hospitality lighting power supply circuit 3. Refer to INL-32, "Diagnosis Procedure".

f 4.CHECK ILLUMINATION CONTROL CIRCUIT FOR OPEN

Turn ignition switch OFF.

- 2. Disconnect the total illumination control unit connector.
- Check continuity between the total illumination control unit harness connector and each illumination harness connectors.

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HOSPITALITY ILLUMINATION CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

Total illumination	on control unit	Illumi	nations		Continuity
Connector	Terminal	Connector		Terminal	Continuity
		Meter control switch	M54	5	
		Multifunction switch	M72	5	
		Climate controlled seat switch (driver side)	M177	8	
		Climate controlled seat switch (passenger side)	M178	8	
		LDW switch	M29	4	
		Snow mode switch	M176	6	
M129	17	Door mirror remote control switch	M20	15	Existed
		AFS OFF switch	M21	6	
		Headlamp aiming switch	M15	4	
		Clock	M74	1	
		Combination switch	M36	26	
		IBA OFF switch	M184	4	
		DCA switch	M18	4	
		VDC OFF switch	M19	4	

Does continuity exist?

YES >> Replace each illumination.

NO >> Repair the harnesses or connectors.

5. CHECK ILLUMINATION CONTROL CIRCUIT FOR SHORT

- 1. Turn ignition switch OFF.
- 2. Disconnect the total illumination control unit connector and each illumination connectors.
- 3. Check continuity between the total illumination control unit harness connector and ground.

Total illumination control unit			Continuity
Connector	Terminal	Ground	Continuity
M129	17		Not existed

Does continuity exist?

YES >> Repair the harnesses or connectors.

NO >> Replace the total illumination control unit.

STEP LAMP CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

STEP LAMP CIRCUIT

Description INFOID:0000000010584953

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

Component Function Check

CAUTION:

Check step lamp bulbs first.

1. CHECK STEP LAMP OPERATION

(P)CONSULT ACTIVE TEST

- Turn ignition switch ON.
- Select "STEP LAMP TEST" of BCM (INT LAMP) active test item.
- While operating the test items, check the step lamp operation.

Test item		Operation	
STEP LAMP TEST	On	Step lamps	ON
OTEL EAWI TEOT	Off	otep lamps	OFF

Are the step lamps turned ON/OFF?

YES >> Step lamp circuit is normal.

>> Refer to INL-59, "Diagnosis Procedure". NO

Diagnosis Procedure

1. CHECK STEP LAMP OUTPUT

(P)CONSULT ACTIVE TEST

- Turn ignition switch ON.
- Select "STEP LAMP TEST" of BCM (INT LAMP) active test item.
- While operating the test item, check continuity between BCM harness connector and ground.

BCM			Test item	
Connector	Terminal	Ground	STEP LAMP TEST	Continuity
M119	1110 7		On	0 V
IVITIO	,		Off	12 V

Is the measurement value normal?

Fixed at 12 V>>Replace BCM.

Fixed at 0 V>>GO TO 2.

2.CHECK THE SYMPTOM

Check that the lamp fixed to ON or OFF.

Fixed OFF>>GO TO 3. Fixed ON>>GO TO 5.

3.CHECK STEP LAMP POWER SUPPLY

- Turn ignition switch OFF.
- 2. Disconnect the step lamp connector.
- 3. Turn ignition switch ON.
- Check voltage between the step lamp harness connector and ground.

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STEP LAMP CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

Step lamp				Voltage
Conr	nector	Terminal		(Approx.)
Driver side	D12	1		
Passenger side	D42	1	Ground	12 V
Rear LH	D59	1		
Rear RH	D79	1	-	

Is the measurement value normal?

YES >> GO TO 4.

NO >> Check the interior room lamp power supply. Refer to INL-29, "Diagnosis Procedure".

4. CHECK STEP LAMP OPEN CIRCUIT

- 1. Turn ignition switch OFF.
- 2. Disconnect BCM connector.
- 3. Check continuity between BCM harness connector and step lamp harness connector.

В	ВСМ		Step lamp		
Connec- tor	Terminal	Connector		Terminal	Continuity
		Driver side	D12	2	
M119	7	Passenger side	D42	2	Existed
		Rear LH	D59	2	
		Rear RH	D79	2	

Does continuity exist?

YES >> Replace the step lamp.

NO >> Repair the harnesses or connectors.

5.CHECK STEP LAMP SHORT CIRCUIT

- 1. Turn ignition switch OFF.
- 2. Disconnect BCM and step lamp connectors.
- 3. Check continuity between BCM harness connector and ground.

ВСМ			Continuity
Connector	Connector Terminal		Continuity
M119	M119 7		Not existed

Does continuity exist?

YES >> Repair the harnesses or connectors.

NO >> Replace BCM.

TAIL LAMP SIGNAL CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

TAIL LAMP SIGNAL CIRCUIT

Description INFOID:0000000010584956

Total illumination control unit inputs tail lamp signal from IPDM E/R.

Component Function Check

Check the tail lamp circuit if the tail lamp is not turned ON. Refer to EXL-89, "Component Function Check".

1. CHECK TAIL LAMP SIGNAL INPUT WITH CONSULT

(P)CONSULT DATA MONITOR

Turn ignition switch ON.

NOTE:

- Select "TAIL LAMP SIGNAL" of TOTAL ILLUM C/U data monitor item.
- While operating the lighting switch, check the monitor status.

Monitor item	Condition	- Monitor status	
Worldon Rem	Lighting switch		
TAIL LAMP SIGNAL	OFF	Off	
TAIL LAWIP SIGNAL	1ST	On	

Is the measurement value normal?

>> Tail lamp signal circuit is normal. YES

>> Refer to INL-61, "Diagnosis Procedure". NO

Diagnosis Procedure

1. CHECK TAIL LAMP INPUT SIGNAL

PCONSULT ACTIVE TEST

- Turn ignition switch ON.
- Select "EXTERNAL LAMPS" of IPDM E/R active test item.
- While operating the test item, check the voltage between the total illumination control unit and ground.

	Terminals (+) (-)		Test item	
(-			(+)	
Total illumination control unit			EXTERNAL LAMPS	(Approx.)
Connector	Terminal	Ground	L/WII O	
M129	4	Glound	TAIL	Battery voltage
		Off	0 V	

Is the measurement value normal?

YES >> Replace the total illumination control unit.

NO >> GO TO 2.

2.CHECK TAIL LAMP SIGNAL CIRCUIT FOR OPEN

- 1. Turn ignition switch OFF.
- 2. Disconnect the IPDM E/R harness connector and total illumination harness connector.
- Check continuity between the IPDM E/R harness connector and total illumination harness connector.

IPDN	/I E/R	Total illumination control unit		Continuity
Connector	Terminal	Connector	Terminal	Continuity
E5	7	M129	4	Existed

Does continuity exist?

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TAIL LAMP SIGNAL CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

YES >> GO TO 3.

NO >> Repair the harnesses or connectors.

3. CHECK TAIL LAMP SIGNAL CIRCUIT FOR SHORT

Check continuity between the total illumination control unit and ground.

Total illuminat	Total illumination control unit		Continuity
Connector	Terminal	Ground	Continuity
M129	4		Not existed

Does continuity exist?

YES >> Repair the harnesses or connectors.

NO >> Replace the IPDM E/R.

ILLUMINATION CONTROL SIGNAL CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

ILLUMINATION CONTROL SIGNAL CIRCUIT

Component Function Check

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1. CHECK ILLUMINATION CONTROL SIGNAL INPUT BY CONSULT

©CONSULT DATA MONITOR

- 1. Turn ignition switch ON.
- 2. Switch the lighting switch 1ST.
- 3. Select "ILLUM CONT SIGNAL" of TOTAL ILLUM C/U data monitor item.
- 4. While operating the illumination control switch, check the monitor status.

Monitor item	Con	Monitor status	
		Maximum	100 %
ILLUM CONT SIGNAL	Brightness level	Midway	50 %
		Minimum	0 %

Is the item status normal?

YES >> Illumination control signal circuit is normal.

NO >> Refer to INL-63, "Diagnosis Procedure".

Diagnosis Procedure

INFOID:0000000010584960

1. CHECK ILLUMINATION CONTROL SIGNAL INPUT

1. Switch the lighting switch 1ST.

2. While operating the illumination control switch, check the voltage between the total illumination control unit harness connector and the ground.

Terminals		Condition		
(-	(+) (-		Condition	
Total illumination control unit			Brightness level	Voltage (Approx.)
Connector	Terminal			
			Maximum	0 V
M129	24	Ground	Midway	(V) 10 5 0 + 2 ms JPLIA1199ZZ
			Minimum	8 V

Is the measurement value normal?

YES >> Replace the total illumination control unit.

NO >> GO TO 2.

2.check illumination control signal circuit for open

- 1. Turn ignition switch OFF.
- Disconnect the total illumination control unit connector and the combination meter connector.
- Check continuity between the total illumination control unit harness connector and the combination meter harness connector.

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ILLUMINATION CONTROL SIGNAL CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

Total illumination control unit		Combination meter		Continuity
Connector	Terminal	Connector	Terminal	Continuity
M129	24	M53	34	Existed

Does continuity exist?

YES >> GO TO 3.

NO >> Repair the harnesses or connectors.

3.check illumination control signal short circuit

- 1. Disconnect the selector lever position indicator connector.
- 2. Check continuity between the total illumination control unit harness connector and the ground.

Total illuminat	Total illumination control unit		Continuity
Connector	Terminal	Ground	Continuity
M129	24		Not existed

Does continuity exist?

YES >> Repair the harnesses or connectors.

NO >> Replace the total illumination control unit.

MAP LAMP SWITCH CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

MAP LAMP SWITCH CIRCUIT

Component Function Check

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1. CHECK MAP LAMP SWITCH SIGNAL BY CONSULT

©CONSULT DATA MONITOR

- Turn ignition switch ON.
- 2. Select "MAP LAMP SW" of TOTAL ILLUM C/U data monitor item.
- 3. While operating the map lamp main switch, check the monitor status.

Monitor item	Condition	Monitor status	
		DOOR	Door
MAP LAMP SW	Map lamp main switch	ON	All On
		OFF	Off

Is the item status normal?

YES >> Map lamp main switch circuit is normal.

NO >> Refer to INL-65, "Diagnosis Procedure".

Diagnosis Procedure

INFOID:0000000010584962

1. CHECK MAP LAMP SWITCH SIGNAL INPUT

- 1. Turn ignition switch ON.
- While operating the map lamp main switch, check the voltage between the total illumination control unit harness connector and ground.

Terminals		Condition		
((+)		Condition	Voltage
Total illumination control unit			Map lamp main	(Approx.)
Connector	Terminal		switch	
	26		DOOR	0 V
M129	20	Ground	OFF or ALL ON	5 V
WITZS	27		ALL ON	0 V
	21		OFF or DOOR	5 V

Is the measurement value normal?

YES >> Replace the total illumination control unit.

NO >> GO TO 2.

2.CHECK MAP LAMP MAIN SWITCH

Turn ignition switch OFF.

Revision: 2015 February

- 2. Disconnect total illumination control unit connector.
- While operating the map lamp main switch, check continuity between the total illumination control unit harness connector and ground.

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MAP LAMP SWITCH CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

Total illuminat	Total illumination control unit		Condition	
Connector	Terminal		Map lamp main switch	Continuity
			DOOR	Existed
	26	Ground	ALL ON	ON Not existed
M129			OFF	Not existed
WIZ			DOOR	Not existed
	27		ALL ON	Existed
			OFF	Not existed

Is the measurement value normal?

YES >> Replace the total illumination control unit.

NO >> GO TO 3.

3.CHECK MAP LAMP SWITCH SIGNAL CIRCUIT FOR OPEN

- 1. Turn ignition switch OFF.
- 2. Disconnect the map lamp connector.
- 3. Check continuity between the total illumination control unit harness connector and map lamp harness connector.

Total illuminat	ion control unit	Map lamp		Continuity
Connector	Terminal	Connector Terminal		Continuity
M129	26	R15	1	Existed
W 129	27	IXIO	2	LAISIGU

Does continuity exist?

YES >> GO TO 4.

NO >> Repair the harnesses or connectors.

4. CHECK MAP LAMP SWITCH SIGNAL CIRCUIT FOR SHORT

Check continuity between the total illumination control unit harness connector and ground.

Total illuminat	ion control unit		Continuity
Connector	Terminal	Ground	Continuity
M129	26	Glound	Not existed
101129	27		Not existed

Does continuity exist?

YES >> Repair the harnesses or connectors.

NO >> GO TO 5.

5.CHECK MAP LAMP MAIN SWITCH GROUND CIRCUIT FOR OPEN

Check continuity between the map lamp harness connector and ground.

Мар	lamp		Continuity
Connector	Terminal	Ground	Continuity
R15	3		Existed

Does continuity exist?

YES >> Replace the map lamp assembly (map lamp main switch).

NO >> Repair the harness or connector.

< DTC/CIRCUIT DIAGNOSIS >

DOOR SWITCH CIRCUIT

Component Function Check

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1. CHECK EACH DOOR SWITCH SIGNAL BY CONSULT

©CONSULT DATA MONITOR

- Turn ignition switch ON.
- 2. Select "DOOR SW-DR", "DOOR SW-AS", "DOOR SW-RR" and "DOOR SW-RL" of TOTAL ILLUM C/U data monitor item.
- 3. While operating each door switch, check the monitor status.

Monitor item	Condition		Monitor status
DOOR-SW-DR	Front door	Open	On
DOOK-3W-DR	(driver side)	Close	Off
DOOD OW 40	DOOR-SW-AS Front door (passenger side)	Open	On
DOOR-SW-AS		Close	Off
DOOR-SW-RR	Rear door (RH)	Open	On
		Close	Off
DOOR-SW-RL		On	
DOOK-3W-KE	(LH)	Close	Off

Is the item status normal?

YES >> Each door switch circuit is normal.

NO >> Refer to INL-67, "Diagnosis Procedure".

Diagnosis Procedure

INFOID:0000000010584964

1. CHECK EACH DOOR SWITCH INPUT SIGNAL

While operating each door switch, check the voltage between the total illumination control unit harness connector and the ground.

Front door (driver side)

	Terminals		Condition		
(-	(+) (-)		Condition		
	ation control nit		Door	Voltage (Approx.)	
Connector	Terminal				
			Open	0 V	
M129	29	Ground	Close	(V) ₁₅ 10 5 0 ++10ms JPMIA0594GB 8.5 - 9.0 V	

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8.5 - 9.0 V

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Front door (passenger side)

	Terminals		Condition		
(+	+)	(-)	Condition		
	ation control nit		Door	Voltage (Approx.)	
Connector	Terminal				
			Open	0 V	
		Ground		(V) ₁₅	

Close

Rear door (LH)

M129

			I	
Terminals (-)		Condition		
		Condition		
	ation control nit		Door	Voltage (Approx.)
Connector	Terminal			
			Open	0 V
M129	9	Ground	Close	(V) ₁₅ 10 5 0 JPMIA0594GB 8.5 - 9.0 V

Rear door (RH)

Terminals		Condition		
(-	+)	(-)	Condition	
Total illumination control unit			Door	Voltage (Approx.)
Connector	Terminal			
			Open	0 V
M129	25	Ground	Close	(V) 15 10 5 0 JPMIA0594GB 8.5 - 9.0 V

Is the measurement value normal?

Fixed at 8.5 - 9.5 V>>Replace the total illumination control unit. Fixed at 0 V>>GO TO 2.

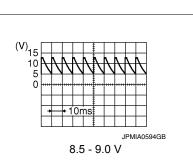
2.CHECK TOTAL ILLUMINATION CONTROL UNIT (INTERNAL SHORT)

Turn ignition switch OFF.

< DTC/CIRCUIT DIAGNOSIS >

- Disconnect the total illumination control unit connector.
- 3. Turn ignition switch ON.
- Check voltage between the total illumination control unit harness connector and ground.

Total il	lumination con	trol unit		
Conr	nector	Terminal		
Front door (driver side)		29		(V) [
Front door (passenger side)	M129	8	Ground	10 h
Rear door (LH)		9		
Rear door (RH)		25		



Voltage (Approx.)

Does continuity exist?

YES >> Replace the total illumination control unit.

NO >> GO TO3.

${f 3.}$ CHECK EACH DOOR SWITCH SIGNAL CIRCUIT FOR OPEN

- 1. Turn ignition switch OFF.
- Disconnect each door switch connector.
- Check continuity between the total illumination control unit harness connector and each door switch harness connector.

Total illumi	Total illumination control unit		Door	switch	Continuity
Connec	tor	Terminal	Connector	Terminal	Continuity
Front door (driver side)		29	B16	2	
Front door (passenger side)	M129	8	B216	2	Existed
Rear door (LH)		9	B23	2	
Rear door (RH)		25	B223	2	

Does continuity exist?

YES >> GO TO 4.

NO >> Repair the harnesses or connectors.

f 4 .CHECK EACH DOOR SWITCH SIGNAL CIRCUIT FOR SHORT

Check continuity between total illumination control unit harness connector and ground.

Total illum	ination cont	trol unit		Continuity
Connec	tor	Terminal		Continuity
Front door (driver side)		29		
Front door (passenger side)	M129	8	Ground	Not existed
Rear door (LH)		9		
Rear door (RH)		25		

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< DTC/CIRCUIT DIAGNOSIS >

Does continuity exist?

- YES >> Repair the harnesses or connectors.
- NO >> Check each door switch. Refer to <u>DLK-109</u>, "Component Inspection".

ROOM LAMP REQUEST SIGNAL CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

ROOM LAMP REQUEST SIGNAL CIRCUIT

Component Function Check

INFOID:0000000010584965

1. CHECK ROOM LAMP TIMER SETTING

(P)CONSULT WORK SUPPORT

- Select "SET I/L D-UNLCK INTCON" of BCM (INT LAMP) work support item.
- Check the setting status.

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Work support item	Setting status
SET I/L D-UNLCK INTCON	On

D

Is the setting "On"?

YES >> GO TO 2.

NO >> Change the setting to "On"

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2.CHECK ROOM LAMP TIMER SIGNAL BY CONSULT

©CONSULT DATA MONITOR

- 1. Turn ignition switch OFF.
- Select "ROOM LAMP REQ" of TOTAL ILLUM C/U data monitor item.
- 3. While operating the door lock/door unlock, check the monitor status.

Monitor item	Condition	Monitor status
ROOM LAMP REQ	Door is unlocked	On
NOOM LAW NEQ	Door is locked	Off

Н

Is the item status normal?

YES >> Room lamp timer signal circuit is normal.

NO >> Refer to INL-71, "Diagnosis Procedure".

Diagnosis Procedure

INFOID:0000000010584966

1. CHECK ROOM LAMP TIMER SIGNAL INPUT

(P)CONSULT ACTIVE TEST

- Turn ignition switch ON.
- 2. Select "INT LAMP" of BCM (INT LAMP) active test item.
- 3. While operating the test items, check voltage between total illumination control unit harness connector and ground.

ı	N	L

Total illumination control unit			Test item	Voltage (Approx.)
Connector	Terminal	Ground	INT LAMP	(дрргох.)
M129	28		On	5 V
			Off	0 V

N

Is the measurement value normal?

YES >> Replace the total illumination control unit.

NO >> GO TO 2.

2. CHECK ROOM LAMP TIMER SIGNAL CIRCUIT FOR OPEN

- Turn ignition switch OFF.
- 2. Disconnect the total illumination control unit and BCM connectors.
- Check continuity between the total illumination control unit harness connector and BCM harness connector.

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ROOM LAMP REQUEST SIGNAL CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

Total illumination control unit		BCM		Continuity
Connector	Terminal	Connector	Terminal	Continuity
M129	28	M119	19	Existed

Does continuity exist?

YES >> GO TO 3.

NO >> Repair the harnesses or connectors.

$3. \mathsf{CHECK}$ ROOM LAMP TIMER SIGNAL FOR SHORT

Check continuity between the total illumination control unit harness connector and ground.

Total illuminat	ion control unit	Ground	Continuity
Connector	Terminal		
M129	28		Not existed

Does continuity exist?

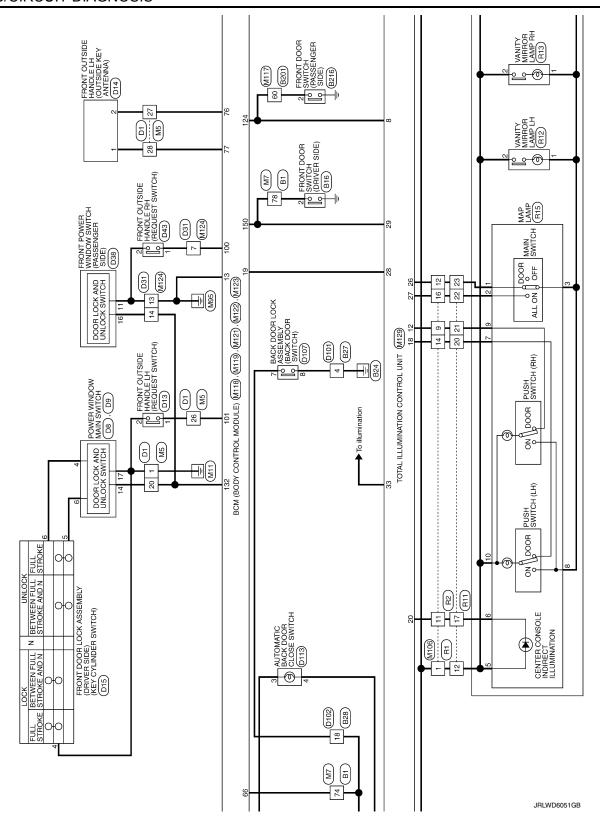
YES >> Repair the harnesses or connectors.

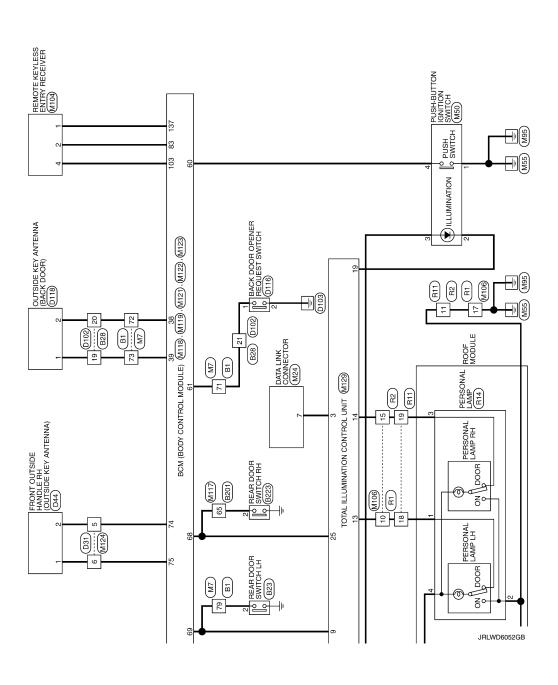
NO >> Replace the BCM.

Diagnosis Procedure

INFOID:0000000010584967

INTERIOR ROOM LAMP CONTROL SYSTEM Α Wiring Diagram - INTERIOR ROOM LAMP -INFOID:0000000010584968 LUGGAGE ROOM LAMP (BACK DOOR SIDE) FOOT LAMP (PASSENGER SIDE) (M130) В To CAN system (VQ37VHR without around view monitor or VK50VE) DIODE (B47) To CAN system (VQ37VHR with around view monitor) **©** 0102 B28 DOOR С 26 FOOT LAMP (DRIVER SIDE) (M30) 6 D IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) (E5), (E6) (B28) MOOD LAMP (RR DOOR ARMREST RH) (D78) Е (B67) **(** B218 12 (B241) LUGGAGE ROOM LAMP (LUGGAGE SIDE) (B229) F MOOD LAMP (RR DOOR ARMREST LH) M123 CPU E46) (₹ <u>[5</u> DOOR M122), TAIL LAMP RELAY ,(M121), TOTAL ILLUMINATION CONTROL UNIT (M129) 10A 53 -w MOOD LAMP (FR DOOR ARMREST RH) Н M118). (M119) 87 M124 <u>B3</u> STEP LAMP (REAR RH) (D79) 1 123 BCM (BODY CONTROL MODULE) 10A ىلە MOOD LAMP (FR DOOR ARMREST LH) E100 MM151 M152 J M5 D1 22 STEP LAMP (REAR LH) (D59) DOOR MIRROR (PASSENGER SIDE) (PUDDLE LAMP) (D33) INTERIOR ROOM LAMP CONTROL SYSTEM K - Til (Sg) 39 M124 D31 KEY SLOT STEP LAMP (PASSENGER SIDE) (D42) INL 4 32 DOOR MIRROR (DRIVER SIDE) (PUDDLE LAMP) © -20 M124 D31 (A) [B] [M2] M STEP LAMP (DRIVER SIDE) (D12) ₩22 [0 | | 0 [B] [B] Ν ACCESSORY RELAY 10A W 0 2014/03/18 M151 M152 BATTERY Р





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Connector No.	tor No.	B1	22	۵		Connector No.	, B16	Connector No. B23
Connect	Connector Name	WIRE TO WIRE	58	7		Connector Na	Connector Name FRONT DOOR SWITCH (DRIVER SIDE)	Connector Name REAR DOOR SWITCH LH
Connect	Connector Type	TH80FW-CS16-TM4	8 8	- 1		Connector Type	pe A03FW	Connector Type A03FW
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		G 80 G	8 99	: >			7	7
			29	. <u>9</u>				
			89	>				
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ō.	Wire		70	GR		o N	Wire Ognal value [Specification]	No. Wire Ogular Marine [Specification]
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INTERIOR ROOM LAMP CONTROL SYSTEM	- SYSTEM					
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Connector No. B218	Connector No. B229	Connector Name		47	Μ	
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Connector Type NH10FW-CS10	Connector Type TK03FW	E		20	В	
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+	Connector No. B241	+		2	7	12111109876532
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13 P	Connector Type NS16FBR-CS	13			,	
17 SB -	4	14 P	-			
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Corrector No. D15 Corrector No. D15 Corrector Type EUGFGY-RS TAS. (123456)	Terminal Color Of Signal Name (Specification) No. Wive Wive Wive Wive Signal Name (Specification)	
Corrector No. D13 Corrector Name RROAT CUTSDE HAADLE LH (REQUEST SWITCH) Corrector Type RROZEL 8 TH.S.	Terminal Color Of Signal Name (Specification) 1	
SYSTEM Connector No. D9 Connector Name POWER WINDOW MAIN SWITCH Connector Type NS03FW.CS	Terminal Color Of Signal Name Specification No. Wine Wine	
INTERIOR ROOM LAMP CONTROL 11 GR 12 O 14 B 14 B 15 CR 15 CR	Cornwector Name POWER WINDOW MAIN SWITCH	
		JRLWD6056GB

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		А
	Sedireation]	В
D79 STEP LAMP (REAR RH) TB02FW	Signal Name (Specification) WIRE TO WIRE MOBFW-GY-LC A 1 2 1 B 7 6 5 Signal Name (Specification)	С
Connector No. Connector Name Sconnector Type The Connector No.	Terminal Color Of	D
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1 2 3 14 17 17 8 9 10 11 12 16 17 18 16 17 18 16 17 18 16 17 18 16 17 18 16 17 18 16 17 18 18 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18	Signal Name [Specification] D78 MOOD LAMP (RR DOOR ARWREST RH) TR02FGY Signal Name [Specification]	G
Corrector No. Corrector Name Corrector Type	Terminal Color Of No. Wive	Н
DB8 MODD LAMP (RR DOOR ARMREST LH) TKGZFGY	Signal Name [Specification] Signal Name [Specification] Signal Name [Specification]	I
SYSTEM Connector No. D58 Connector Name MOOD LAN Connector Type TK02FGY TK02FGY TK02FGY	No. Wire Sign	J
2		INL
INTERIOR ROOM LAMP CONTROL Corrector No. D46 Corrector Name MOOD LAMP (FR DOOR ARMREST RH) Corrector Type Tricopecy M.S. [21]	Ishme [Special Special	M
INTERIOR R Connector No. D16 Connector Name MOd Connector Type TKG	Connector No. Signal No.	N
		JRLWD6058GB

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INTERIOR ROOM LAMP CONTROL SYSTEM	OL SYSTEM	Connector No. 10413	Commercial Mo 1943
Connector Name WIRE TO WIRE	Ju eu	9	e e
Connector Type TH32FW-NH	Connector Type NS08FW-CS	Connector Type TK06FGY	Connector Type RK02FGY
Ą	₫.	Į.	4
		ATT.	Ather
16 15 14 13 12 11 10 19 18 7 6 5 4 3 2 1 1 20 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	4 5 6 7 8	4 3 2 1	
Terminal Color Of Signal Name (Specification)	Terminal Color Of Signal Name (Specification)	Terminal Color Of Signal Name [Specification]	la l
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2 1	2 L/B .	2 B	2 R
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S	+	4 LG .	
K (
+	20 00	Connector No D116	Connector Name Engine Room)
+	┨		Connector Type TH20FW-CS12-M4-1V
M 6		Connector Name SWITCH	
10 SHIELD -	Connector No. D110	Connector Type TK02MBR-P	
	Connector Name LUGGAGE ROOM LAMP (BACK DOOR SIDE)	ą	Police Inches
+		医	10 1213 (28/08/1/28 3)
+	Connector Type TK03FW	<u> </u>	36
14 LG	₫.	7	
15 BG	Auto	7	
╀	S		Terminal Color Of
18 LG .	2 1		No. Wire Signal Name [Specification]
19 BR -) lai	4 V -
\dashv		Ф	5 L
\dashv		+	\dashv
22 LG -	ā	2 B .	10 SB -
\dashv			12 B -
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26 GR -			19 W
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Therefore The content of the con	Theoremostic Final	THEOFTWACSSIGNTMA	Theorem.csis.thm 1
Signature National Color Of National Col	Signature National Color Of National Col	1	Signal Name Corrector Name Correct
		Fig. 10 Fig.	Signal Name (Scorlector forms) Signal Name (Scorlector forms)
Corrector type Corr	Corrector type Corr	Signal Name [Specification] 45	Signal Name [Specification] 45
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Signal Name [Specification] Sign	Signal Name [Specification] Sign	Signal Name [Specification] 51	Signal Name Specification Signal Name Specification Signal Name Specification Signal Name Specification Signal Name Si
Wire	Wire	Secondaria Sec	Signature Proportion continue Signature Signat
Secondary Seco	Secondary Seco	S2 BG Femile Color Of Femile Fuse Fuse	Secondary Seco
See See Corrector Corrector See See Corrector See Corrector	See See Corrector Corrector See See Corrector See Corrector	1	See See See See See See See See See Se
1	1	Fig. 18 Fig.	Signature Sign
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V V V V V V V V V V	V V V V V V V V V V	1	1
No. No.	No. No.	1.0 1.0	Corrector Number Corrector N
R	R	1	Signature Sign
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Y Year Wathout ICC R2 Wathout ICC R3 LG Color Of	Y Year Wathout ICC R2 Wathout ICC R3 LG Color Of	- [Without ICC]	Without ICC 80 58
BR	BR	Terminal Color Of Term	Terminal Column C
R	R	Fig. 10 Fig.	- With ICC 82 W
No.	No.	- With ICC)	- Without ICC 84 GR
V Vivinosit (UJ) 84 GR	V Vivinosit (UJ) 84 GR	Formula Color Of Color Of Color Of Color Of Color Of Color	Feminal Columbia
C	C	1	1
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INTERIOR ROOM LAMP CONTROL SYSTEM	LSYST	ΕM							
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	20	BG			[34 L	
	21	97		Connec	Connector Name	WIRE TO WIRE	<u>۳</u>	37 G	
Connector No. M3	22	>		Connect	Connector Type	TH80MW-CS16-TM4	<u>_</u>	_	
	23	>					<u>_</u>	39	
Connector Name FUSE BLOCK (J/B)	24	۵		ľ	_		4	41 L	
Connector Type NS12FW-CS	56	SB		•		8 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	4	42 W	
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	33	_		ō N	Wire	oillian ranno Lobosinoaroni	4	\dashv	
	34	٣	-	-	O		S	50 LG	
-	35	В		2	BG		2	1 SB	
Wire	36	ď	-	3	PI	- [Without Auto aircon seat]	2	52 Y	
	37	g		3	SB	 [With Auto aircon seat] 	2		
97	38	SHIELD		4	97		2	Н	
В	39	Μ		2	GR		2	25 SE	
	40	В		9	Α		2	59 SB	
80	14	SHIELD		7	Ø		<u></u>	\vdash	
BG	42	O		œ	Μ		9	L	
1	43	~		6	۵		9	62 P	
	44	g		10	BR.		ľ	H	
Connector No. M5	45	>	,	ŧ	a		9	H	
	46	GR.		12	U		ľ	۳	
Connector Name WIRE O WIRE	47	≥		13	œ		9	H	
Connector Type TH40MW-CS15	48	_		4	3		_	70 SHIELD	
	49	œ		15	SHIELD		_	Г	
	20	BG		16	BR		_	72 GR	
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	51	SB		17	_		_	H	
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1617116193020122201242520 305313613944143434444446	53	>		19	U		_	L	
chokebelie	24	97		20	GR	- [Without ICC]	_	۸ / ۷	
	22	7	•	20	Μ	- [With ICC]	7	78 Y	
				21	BR	- [With ICC]	-	80 BG	
ā				21	ď	- [Without ICC]	80	81 L	•
Organia Marino				22	٦	- [Without ICC]	80	82 W	
1 B -				22	œ	- [With ICC]	80	83 Y	
3 SB -				23	ღ		80	84 L	
				24	٦	- [With ICC]	8	85 P	
				24	۵	- [Without ICC]		86 BR	
- 9 8				25	Μ	- [Without ICC]	-	87 P	
- 1 6				25	>	- [With ICC]		88	
10 BG -				26	SHIELD		-	99 G	
11 6				28	GR.		6	\vdash	
^				59	^		6	Н	
Н				30	BG	-	6	Н	
14 P -				32	Μ		ெ	H	

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Corrector Name FOOT LAMP (DRIVER SIDE)	B C D
Corrector No. M22 Corrector Name KEY SLOT	E F G
SYSTEM	J K
NTERIOR ROOM LAMP CONTROL 15 6 6 7 7 7 7 7 7 7 7	INL M N

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INL-85 Revision: 2015 February 2015 QX70

INTER	INTERIOR ROOM LAN	LAMP CONTROL SYSTEM	SYST	EM							
Connector No.	Jo. M104		Connector No.		M117	46	SHIELD	D - [Without ICC]	Con	Connector No.	M118
Connector Name	Jame REMOTE KEYLESS	YLESS ENTRY RECEIVER	Connector Name		WIRE TO WIRE	47	В	- [Without ICC]	Con	Connector Name	BCM (BODY CONTROL MODULE)
						47	_	- [With ICC]			
Connector Type	ype JAB04FB		Connector Type		TH80MW-CS16-TM4	48	۵	- [With ICC]	Con	Connector Type	M03FB-LC
ģ			ģ			48	\dashv	- [Without ICC]	[á		
厚			多			49	\dashv	- [With ICC]	多	•	
Ę			ŧ		20 20 20 20 20 20 20 20 20 20 20 20 20 2	49	Μ	- [Without ICC]		ŕ	Ī
2 -		T	Ş	-	2 T (200) (200	20	SHIELD	- 0		ė	1 3
		1 2 4			20 20 20 20 20 20 20 20 20 20 20 20 20 2	5	BG				֚֚֭֚֭֚֭֚֭֚֚֓֞֝֟֓֓֓֓֓֓֓֓֓֓֓֓֓֡֓֓֡֓֓֡֓֓֓֡֓֡֓֡֓֡֓֡֓֡֓֡֓
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					2 2 2	83	H				
						54	H				
Terminal			Terminal	Color Of	:	55	۵		Tem	erminal Color Of	
No. Wire		Signal Name [Specification]	ō.	Wire	Signal Name [Specification]	9	97		- S	. Wire	Signal Name [Specification]
-	8	GROUND	-	GR		9	┞		<u> </u>	>	BAT (F/L)
2		SIGNAL OUTPUT	2	H		62	SS		Ľ	2 Y	POWER WINDOW POWER SUPPLY (BAT)
4	BR.	BATTERY	e	>		63	>	,		3 BG	POWER WINDOW POWER SUPPLY (RAP)
	-		4	gg		99	H] 	ł	1
			œ	>		65	ä				
Connector No	MADE		^			8 8	╀			Connector No	M440
COLLECTO	П		,	9	10	3	+		3	INC.	S I I I I
Connector N	Connector Name WIRE TO WIRE	SE SE	æ !	s :		ا و	+		\ <u>\{\}</u>	Connector Name	BCM (BODY CONTROL MODULE)
			10	>		69	+		<u> </u>		Т
Connector Type	ype NH10MW-CS10	0	+	SHELD		-	SB		5	Connector Type	NS16FW-CS
4			50	œ		72	>		4		
B			21	Э		73	>			•	
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ė E	_		23	۸		75	BR		1	Ó	4 5 / 8 8 10
		11 12 13	24	Μ		9/	^				11 13 15 17 18 10
	% 	14 45 46 47 40 19 20	52	ď		77	PP				
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Terminal Color Of			38	III.		8	ď		Tem	Terminal Color Of	
ź		Signal Name [Specification]	3 5	3		8 8	+		2		Signal Name [Specification]
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Т	SHELD		3/			5	4		<u> </u>	+	†
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9	BR		39	۵.		93	-		1	10 BR	REAR DO
6	a.		40	>		94	BG		1	π	BAT (FUSE)
10	9		41	SB	- [With ICC]	95	^		_	13 B	GROUND
+	\	1	41	Υ	- [Without ICC]	96	g			15 Y	ACC IND
12	HH.		42	>	- [With ICC]	97	H	,		17 W	TURN SIGNAL RH (FRONT)
13	_		42	×	- [Without ICC]	86	H	,		┢	
14			43	ш	- [Without ICC]	66	9		<u> </u>	┞	ROOM LAMP TIMER
15	œ		43	Δ	- With ICCI		$\left\{ \right.$]	┨	
5 4	۵ ک		3 5	. 0	[South and]						
2 4	< a		4	2 ر	- DM/thout ICC1						
200	2 2		£ 4	-	- [With ICC]						
707	BG		ş	١ ۔	[OOLINA] -						
			46	8	- [With ICC]						

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INTERIOR ROOM LAI	LAMP CONTROL SYSTEM	SYS	TEM							
Connector No. M121		80	GR	NATS ANT AMP.	141	9	SECURITY INDICATOR OUTPUT	38	В	
CHECO MACON MACON	i de la constante de la consta	8	≥	NATS ANT AMP.	142	BG	COMBI SW OUTPUT 5	40	œ	
Connector Name Bowl (BODY Of	ON ROL MODULE)	82	۵	IGN RELAY (F/B) CONT	143	۵	COMBI SW OUTPUT 1	41	۵	
Connector Type TH40FGY-NH		83	æ	KEYLESS ENTRY RECEIVER SIGNAL	144	U	COMBI SW OUTPUT 2	45	97	
Ĺ		87	BR	COMBI SW INPUT 5	145	_	COMBI SW OUTPUT 3	43	_	
I I		88	۸	COMBI SW INPUT 3	146	SB	COMBI SW OUTPUT 4	44	Υ	
3 =		90	а	CANL	150	GR	DRIVER DOOR SW	45	œ	
ė.	25 25 25 25 25 25 25 25 25 25 25 25 25 2	91	_	CAN-H	151	O	REAR WINDOW DEFOGGER RELAY CONT	46	×	
79 59 59 159 159 159 159 159 159 159 159	200	95	PC	KEY SLOT ILL				47	≻	
		93	>	ONIND				48	æ	
		92	BG	ACC RELAY CONT	Connec	Connector No.	M124	49	SHIELD	
		96	4	A/T SHIFT SELECTOR POWER SUPPLY	Conne	Connector Name	WIRE TO WIRE			
la I	Vame [Specification]	66	+	SHFTP						
vvire		38	+	PASSENGER DOOR REQUEST SW	Connec	Connector Type	I H40MW-CS15	Connector No.	-	M129
SB	AGE ROOM ANT-	101	+	DRIVER DOOR REQUEST SW	q			Connecto	Connector Name	TOTAL ILLUMINATION CONTROL UNIT
>	AGE ROOM ANT+	102	+	BLOWER FAN MOTOR RELAY CONT	手	_				
В	BACK DOOR ANT-	103	æ	KEYLESS ENTRY RECEIVER POWER SUPPLY	Ę	6	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	Connecto	Connector Type	TH40FW-NH
×	CK DOOR ANT+	107	4	COMBI SW INPUT 1	•	5		þ		
>	IGN RELAY (IPDM E/R) CONT	108	~	COMBI SW INPUT 4			27 28 20 21 21 22 22 22 23 24 23 25 24 24 24 24 24 24 24 24 24 24 24 24 24	B		
PP	STARTER RELAY CONT	109	≻	COMBI SW INPUT 2				ŧ		R
60 SB EN	ENG_START_SW	110	9	HAZARD SW				4		0 0 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2
61 W TRUN	TRUNK_REQUEST_SW									22 4 2 4 7 8 8 9 10 11 12 12 12 13 14 20 20 20 20 20 20 20 20 20 20 20 20 20
64 L I-KEY WARN	I-KEY WARN BUZZER (ENG ROOM)				Termin	erminal Color Of	Control Name Control			
BG	PER STOP POSITION	Conne	Connector No.	M123	Ź	Wire	ognal ivame [opecification]			
PT	BACK DOOR SW] :		က	>				
67 P BACK DOOR	DOOR OPENER SW	S	Connector Name	BCM (BODY CONINCL MODULE)	4	9		Termina	erminal Color Of	
88	R RH DOOR SW	Conne	Connector Type	TH40FG-NH	45	g		ž	Wire	Signal Name [Specification]
œ	REAR I H DOOR SW		 		ď	æ		ď	>	2 100
=		Œ	•		^	ś c		9 4	-	TAIL I AMP SIGNAL
		ŧ			. α	>		· w	>	ACC SIGNAL
Connector No M422		7	αį	7	0	. <u>e</u>		ی د		BAT SAVER SIGNAL
				124128 121 1191168 116 119112	, 5	2 0		^	. 🔉	I SUSTINE STORY
Connector Name BCM (BODY CONTR	ONTROL MODULE)			151150 HW HW HW HW HW HW HW HW HW	2 4	S S		- α	: c	DOOR SW (AS)
Connector Type TH40FB-NH					15	>		0	8	DOOR SW (RL)
					19	O		9	SB	MOOD LAMP (FR ARMREST RH)
		Terminal	Dolor Of	L	50	9		=	>	MOOD LAMP (RR ARMREST RH)
		Š	Wire	Signal Name [Specification]	22	۸		12	۵	MAP LAMP (AS)
(A)	27 27 27 27 27 20 20 20 20 20	112	GR	RAIN SENSOR SERIAL LINK	23	В		13	9	PERSONAL LAMP (LH)
/D 000 FF 100 FF	00 00 00 13 to 17 to 12 to	113	۵.	OPLICAL SENSOR	24	SHELD		14	œ	PERSONAL LAMP (RH)
2 10 10 10	Mark 11 11 35 30 30 30 30 30 30	116	BB	STOP LAMP SW 1	25	Ø		16	GR	FOOT LAMP (RH)
		118	۵.	STOP LAMP SW 2	56	œ		17	97	HSPL ILLUMINATIONS
		119	es -	DR DOOR UNLOCK SENSOR	3	BG		18	٦	MAP LAMP (DR)
Terminal Color Of	5	121	æ	KEY SLOT SW	32	>		19	œ	PUSH ENG START SW LED
No. Wire Signal Name	vame [specification]	123	Μ	IGN F/B	33	Pl		20	>	AMBIENCE LAMP
74 SB PASSE	PASSENGER DOOR ANT-	124	97	PASSENGER DOOR SW	34	SB		21	œ	BAT POWER SUPPLY
	PASSENGER DOOR ANT+	132	BG	POWER WINDOW SW COMM	35	۸		23	8	GROUND
^	DRIVER DOOR ANT-	134	GR	LOCK IND	36	BG		24	В	ILL CONT INPUT
PC	DRIVER DOOR ANT+	137	Ω.	RECEIVER/SENSOR GND	37	В		52	BR	DOOR SW (RR)
	ROOM ANT1-	138	>	SENSOR POWER SUPPLY	38	g	 [Without automatic drive positioner] 	56	BR	MAP LAMP SW (DOOR)
BR	SOOM ANT1+	140	~	SHIFT NP	38	ĸ	- [With automatic drive positioner]	27	ď	MAP LAMP SW (ALL ON)

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11 B	Corrector No. R12 Corrector Name VANITY MIRROR LAMP LH Corrector Type MCA02FW H.S.	Terminal Color Of Signal Name [Specification] No. Wire Signal Name [Specification] 1	Corrector No. R13 Corrector No. R13 Corrector Name Corrector Type MCA02FW [1]	Terminal Color Of Signal Name (Specification) No. Wire Signal Name (Specification) 1
Corrector No. R2 Corrector Name WIRE TO WIRE Corrector Type Tr24FW-NH (2) 11 10 9 8 7 6 5 4 3 2 4 3 2 2 2 1 2 1 3 1 9 18 17 16 1 16 1 16 1 1 16 1 18 1 1 1 1 1 1 1	No. Signal Name Specification No. Wise Signal Name Specification 1 1 1 1 1 1 1 1 1	20 L X X X X X X X X X X X X X X X X X X	Connector No. R11 Connector Name WIE TO WIRE Connector Type Tre24MW-NH (12) 3 4 5 6 7 8 9 1 (13) 44 15 16 171 18 19 20 21 2	No. Signal Name (Specification) No. Wire
M152 ne WIRE TO WIRE M03AW-LC 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Terminal Color Of	6 5 4 3 2 1 20 19 1312111019 8 7	Terminal Color of Number Signal Name Specification	
NTERIOR ROOM LAMP CONTROL SYSTEM	Corrector No. M130 Corrector Name FOOT LAMP (PASSENGER SIDE) Corrector Type C02FW	Terminal Color Of Signal Name [Specification] No. Wire 1 V	Cornector No. M151 Cornector Name WIRE TO WIRE Cornector Type M03FW.LC H.S. 32	Ferminal Color Of Signal Name [Specification]

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INTERIOR ROOM LAMP CONTROL SYSTEM	. e	Connector Type TH04FW-NH	\$.	ininal Color Of Signal Name [Specification]	Н	+	
INTER!	Connector	Connector	是 S:H	Terminal C No.	-	2 8	4

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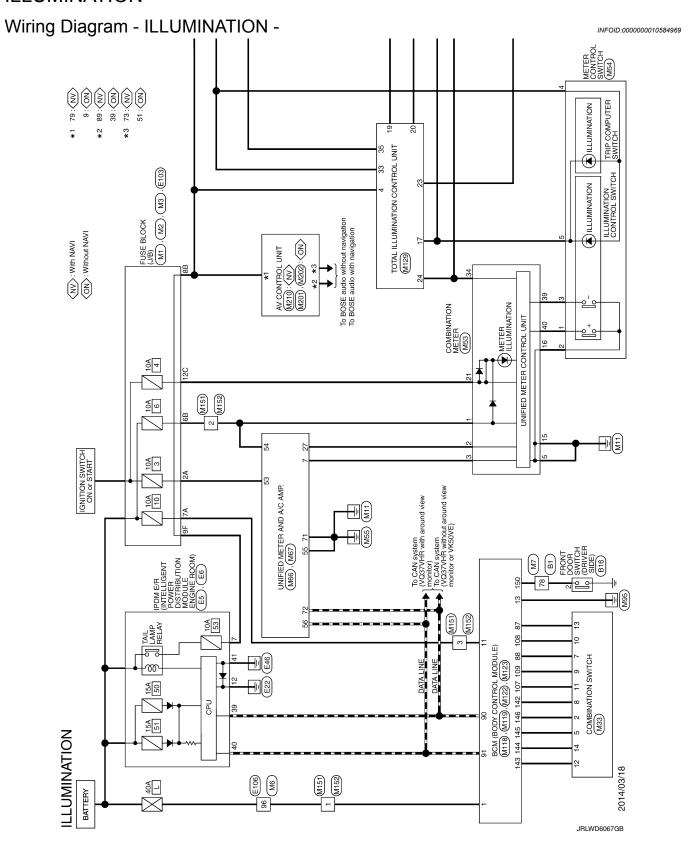
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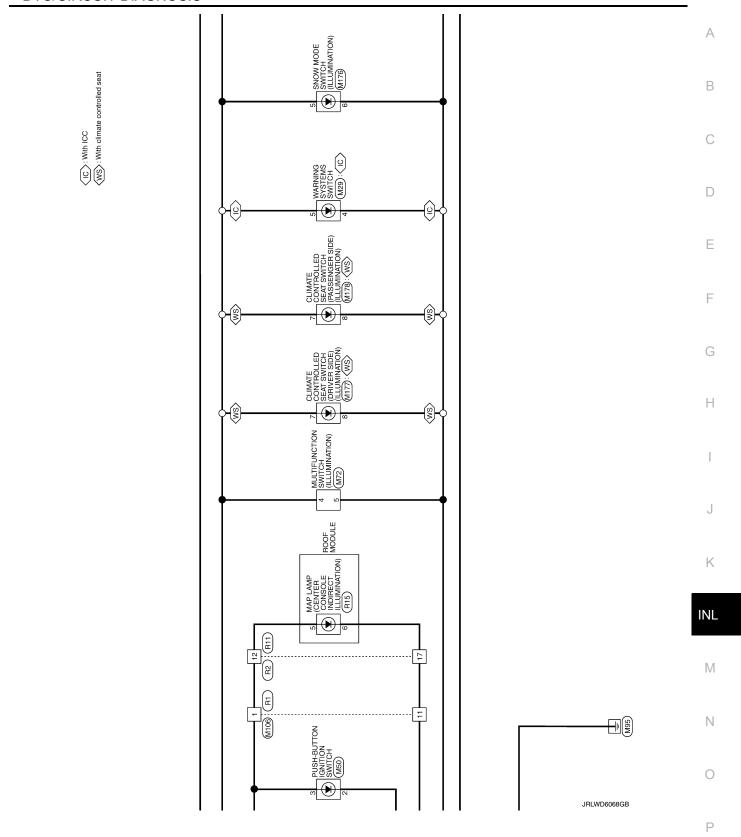
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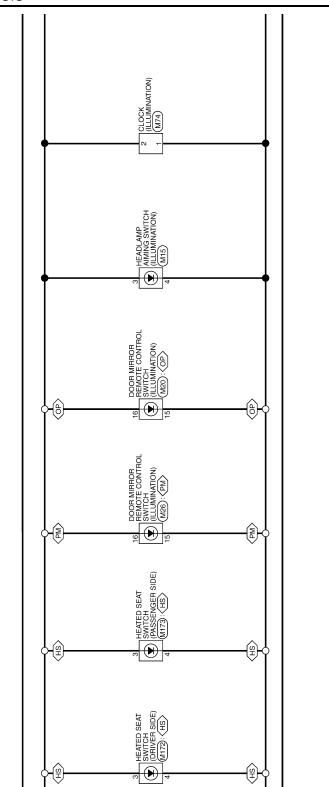
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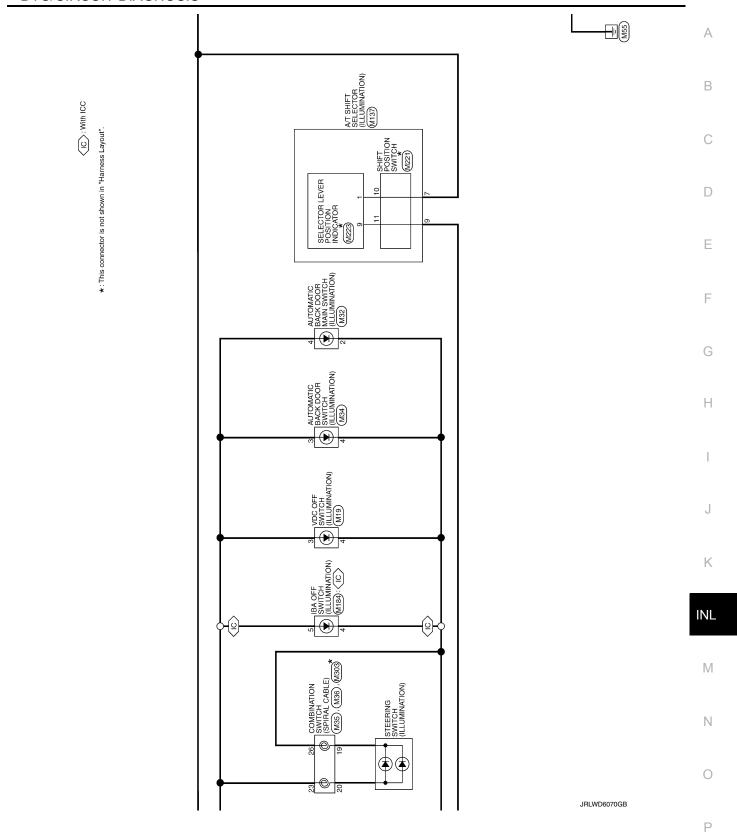


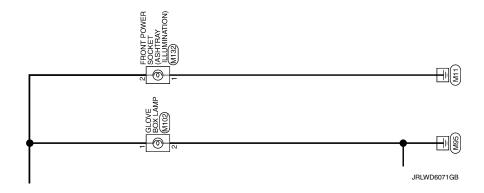


⟨HS⟩: With heated seat
⟨PM⟩: With automatic drive positioner
⟨OP⟩: Without automatic drive positioner



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	B16 Connector No.	Connector Name FRONT DOOR SWITCH (DRIVER SIDE) Connector Name Ensure Room	Connector Type A03FW Connector Type TH08FW-NH					06 16 76	7	46 45 44 43]	Terminal Color Of	Signal Name [Specification] Name Specification Name Name	140.	2 GR - 39 P	40 L	8	>		200	M #	lype Inzorw-Colz-Wi4-IV	-	NAST.	Γ	IN 12 IS CONNECTOR NO.	Connector Name FUSE BLOCK (J/B)		Connector Type NS16FW-CS		Terminal Color Of Sirmal Name Fenensians	Louis and a louis a louis and a louis a louis a louis and a louis a louis and a louis a lo				85	20 00	Terminal Color Of	- (<u>-</u>	100	- 101			- C	BG	- 6F BG	- 8F	9F R	┨			
-	۵ _	SHELD -	٦	d.		63 G	-	W	*	\dashv	 >			+	-	a	H	>	. 2	+	2 -	7	/8 GR	M -		a .		ı.	\dashv	85 R		87 B	H	89 BR	i	: 8	22. 63	<u> </u>					┨									
`≶	_	Connector Name WIRE TO WIRE	Connector Type TH80FW-CS16-TM4		171		2	0 W W W W W W W W W W W W W W W W W W W	012 4 2 20	(0) (0) (0) (0) (0) (0) (0) (0) (0) (0)		Color Of	No Mire Signal Name [Specification]	O III	1 6	2 L -	3 M	H	0) (0	+	- Pg 0	+	98	- P P P	+	+	т	16 SMELU	4	18 P -	4		21 W -	23 \	╀	╀	20 90	+	+	+	0 0	+	+	, v 444	+	+		53 SHIELD -	Т	+	- CC	7

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Connector No.	or No.	E106	37	>	1	97	8		9B BR	
onnect	Connector Name	ne WIRE TO WIRE	38	R -		88	SHIELD			
Connecto	Connector Type	HB0FW-CS16-TM4	6 4	3 9		3	-		Connector No. M3	
			42	>					١	
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			49	SB		ţ		\(\frac{1}{2}\)		170 110 110 0C
ermina	Terminal Color Of	O Sierra	20	BR		ŹŦ,	ń	3A 2A 1A		or local to
No.	Wire	e signal Name [Specification]	51	В				84 7A 6A 5A 4A		
-	9	•	25	Υ	=			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
2	BG	,	53	BG]) lat	Signal Name [Specification]
3	SB		54	œ	-				No. Wire	organic leptomorphism
4	PP		22	SB		Terminal	O	Signal Name [Specification]	4	
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8	>		62	۵		3 A	_		\dashv	
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10	BR	-	64	٦	•	5A	>	•		
7	ω		92	BG		P 9	>			
12	O		69	٦		4Z	œ		Connector No. M6	
13	œ		20	SHIELD		8A	٦		Connector Name W	WIRE TO WIRE
14	≥		71	o					\neg	
15	SHELD	01	72	ტ					Connector Type TH	TH80MW-CS16-TM4
16	gg S	,	73	ď		Connec	Connector No.	M2	ą	
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2	≨ و	SOLAH ISOL	2 02	\$ >	-	Connec	Connector Type	NSTUPW-CS		
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22	>	- [Without ICC]	83	Ρ				98 88 78 88	Terminal Color Of	5
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24	_	- [With ICC]	85	9					ص م	
24	۵		98	۵					2 BG	
22	-		87	×		Terminal	al Color Of	3	3 FG	- [Without Auto aircon seat]
52	>		88	BG		2	Wire	signal Name [specification]	3 SB	- [With Auto aircon seat]
56	SHELD		88	PI	-	92	97		4 LG	
28	9	•	06	BR	-	38	Ь		5 GR	
59	FIG		91	GR		4B	G		M 9	
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34	BG	-	96	Μ		8B	ч		10 BR	
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. 66 BG		9/		
70 SHELD			_	
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71 BG	· ·	78	H	
72 GR 73 W 74 SB	- BG	62	H	
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20 25		3	ector No.	CHAI
- W 96 - 51	>		and the same	CHARLE CONT. CALL
	٠.		ector Name	HEADLAMP AIMING SWITCH
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SHIELD	SHIELD	Conne	Connector Type	A04FW
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Connector No M7 57			Ų	ļ Ļ
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- Community Name (MIDE TO MIDE				2 1 3 4
	SHEID			- 7
- Connector Type TFBUMW-CS16-TM4 60				
	BR			
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	Y	E -	linal Color C	Signal Name [Specification]
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			+	•
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9 12	^	9	+	
29 2 3 3 -	- PI	4	_	
l				
Tall Color Of Signal Name (Specification)				
No. Wire Ogeneration 70	>			
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(water and an arranged)				
Y - [without Auto aircon seat]	9			
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Revision: 2015 February INL-97 2015 QX70

MAIN SWITCH Connector No. M34 Connector Name AUTOMATIC BACK DOOR SWITCH Connector Type TK08FGY MAIN SWITCH Connector Type TK08FGY	Terminal Color Of Signal Name (Specification) No. Wive Signal Name (Specification) No. Wive Signal Name (Specification) Signal Name (Specification) Signal Name (Specification) No. Wive Signal Name (Specification) No. Wive
Corrector No. M32 Corrector Name AUTONATIC BACK DOOR MAIN SWITCH Corrector Type TK08FW M.S. 4 — 1	Terminal Color Of Signal Name Specification Na. Wire 1
Connector No. MZ6 Connector Name DOOR MERCR REMOTE CONTROL SWITCH COnnector Type TK16FBR [2 3 4 5 6 8 9 10 11 12 3 4 15 6	Terminal Color Of Signal Name (Specification) No. Wire Signal Name (Specification) No. Wire Signal Name (Specification) Signal Name (Specifi
ILLUMINATION Cornector No. M19 Cornector Name VDC OFF SWITCH Cornector Type TKG9FGY M3 H.S.	Terminal Color Of Signal Name (Specification) 1

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28 R VEHICLE SPEED SIGNAL (9-PLLSE) 30 V PARKIN BEANE SIMPLE SIGNAL 34 Y COMMUNICATION SIGNAL (AMP ->LCD) 35 L BLOWER MOTOR CONTROL SIGNAL Connector No. M67 Connector No. M67 Connector No. M187	1.5	
Corrector No. M54 Corrector Type TH12MW.NH T 2 3 4 5 6	Terminal Color Of Signal Name [Specification] Nurs Nurs Signal Name [Specification] Nurs Signal Name [Specification] Signal Name [Specification] Signal Name [Specification] Signal Name [Specification] Nurs Signal Name [Specification] Nurs Signal Name [Specification] Nurs Signal Name [Specification] Si	
Connector No. M53 Connector Type TH40FWANH TH40FWANH 1.2 5 7 10 15 15 1 10 10 10 10	Terminal Color Of Nume Signal Name Specification Nume Signal Name Specification Nume Signal Name Specification Signal Name Specification Signal Name Signa	
ILLUMINATION Cornector No. M36 Cornector Type TROSFGV-1V TROSFG	Terminal Color Of No. Wire Signal Name [Specification] No. Wire No.	

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Corrector No. M122 Corrector Name BCM (BODY CONTROL MODULE) Corrector Type TH40FB-NH TH0FB-NH TH0FB-NH	Ferrinal Code Of	
Corrector No. M118 Corrector Name BCM (BODY CONTROL MODULE) Corrector Type M03FB-LC	Terminal Color Of Signal Name Specification 1	
Corrector No. M102 Corrector Name GLOVE BOX LAMP Corrector Type A02FW	Terminal Color Of Signal Name Specification 1	H
ILLUMINATION Corrector No. M72 Corrector Name MULTIFUNCTION SWITCH Corrector Type THISFWANT	Terminal Color Of Signal Name (Specification) 1	

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Compactor No M454	l e	Connector Type M03FW-LC	HS.	32	Terminal Color Of Signal Name [Specification] No. Wire	Н			- 1		Connector Name WIRE TO WIRE	Connector Type M03MW-LC	į,		٦	LS.	2 2			la l	0		+	3 8	T				Т				
Connector No. M432	g.	Connector Type NS03FW-CS	HS.	321	Terminal Color Of Signal Name [Specification] No. Wire	H	2 K	,		_	Connector Name A/T SHIFT SELECTOR	Connector Type TH12FW-NH	¢			1 2 3 4 5	٦	1 10 16 8 7		la (No. Wire Olyna i varire [opecinication]	- M	2 V -	3	+	7 BG	8 SB -	+	7	11 K			
M120		e TH40FW-NH		21 23 26 26 26 27 28 28 30 31 25 36 48 56 56 33 40 33 40 35 36 40 35 40	of Signal Name [Specification]		ACC SIGNAL	BAT		DOOR SW (AS)	MOODI	H		PERSONAL LAMP (LH)			<u> </u>	PUSH ENG START SW LED		BAT F				MAP LAMP SW (DOOR)	1			MO		HSPL POWER SUPPLY 2	TOOT AND CIT		
N roboscop	Connector Name	Connector Type	语 H.S.		Terminal Color Of No. Wire	8	4 4	ŀ	Н	9 G	+	H	12 P	\dashv	14 R	+) - -	19 P	┝	21 R	Н	+	+	26 BR	Ŧ	H	30 LG	+	+	35 S	200	36 S	F
Z	(BODY CONTROL MODULE)	TH40FG-NH			Signal Name [Specification]		OPLICAL SENSOR STOP I AMP SW 1	STOP LAMP SW 2	DR DOOR UNLOCK SENSOR	KEY SLOT SW	PASSENGER DOOR SW	POWER WINDOW SW COMM	LOCK IND	RECEIVER/SENSOR GND	SENSOR POWER SUPPLY	SHFT NP	SECURITY INDICATOR COLIFOL	COMBI SW OUTPUT 1	COMBI SW OUTPUT 2	COMBI SW OUTPUT 3	COMBI SW OUTPUT 4	DRIVER DOOR SW	REAR WINDOW DEFOGGER RELAY CONT		•			1	•	•	•	•	
ILLUMINATION March	Connector Name	Connector Type	vi.	_	Terminal Color Of No. Wire	Н	7 G	+	SB	+	+	H	Н	В	>	+	+	2 4	o	7	Н	\dashv	9										
ILLL	Connec	Connec	语 H.S.H		Termina No.	112	113	118	119	121	124	132	134	137	138	140	141	143	144	145	146	120	151										

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Corrector No. M201	Terminal Color Of No. Wire 0	1 OFFICIAL O
Corrector No. M178 Connector Name CLANTE CONTROLLED SIANT SWITCH (PASSENGERS SIZE) CONNECTOR TYPE TROSF BR TINS 1	Terminal Color Of Signal Name Specification No. Wire	Terminal Color Of Signal Name (Specification) No. Wire Y Y Y S B B C C C C C C C C
Connector No. M176 Connector Name SNOW MODE SWITCH Connector Type TKOSFW4.	Terminal Color Of Signal Name (Specification) No. Wire BR Commedia No. Wire Signal Name (Specification) No. Wire Signal Name (Specificat	- C C C T C C C C C C C C C C C C C C C
ILLUMINATION Corrector No. M172 Corrector Name HC/TED SEAT SWITCH (DRIVER SUB.) Corrector Type TK10FW 6 6 6 6 6 6 6 6 6	Terminal Color Of Signal Name (Specification) No. Wive Signal Name (Specification) 1 GR 2 BR 2 Cornector No. M173 Cornector Name HEATES SEAT SWITCH (PASSENGER SLIDE) Cornector Name HEATES SEAT SWITCH (PASSENGER SLIDE) Cornector Type TK08FBR EATES Signal Name (Specification) No. Wive Signal Name (Specification) Wive Signal Name (Specif	

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	Н	16 R	H		Connector No. R2	g	Connector Type TH24FW-NH			٦	0 0 1 0 6 01 11 71	24 23 22 21 20 19 18 17 16 15 14 13			nal	a)	7 88 c	S	9 R	10 G .	+	+	4	+	Y 6	20 L :	H	F	Н															
	Connector No. M303	Connector Name COMBINATION SWITCH (SPIRAL CABLE)	Connector Type TK08FGY	4	The state of the s	Ш	[20]19]18]17]16]15]14]13]		F	erminal Color Of Signal Name [Specification]	t	┝	Н	16 B -	17 BR .	18 G	20 20			Connector No. R1	Connector Name WIRE TO WIRE		Connector Type NH10FW-CS10	₫	Ī	HS. 6 5 4 3 2 1	13 12 11 10 0	17 16 15	2		la l	a)	+	2 BR	T	퓻	5 G .	6 BR -	- d 6	10 G	11 Y	12 BR .	13 L	
	Connector No. M221	Connector Name SHIFT POSITION SWITCH	Connector Type TH12FW	4		H.S.	7 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Section 1 As 1 and As	No. Wire Signal Name [Specification]	t	3 BR D	9	5 P	W / 9	0;	- W	. B			Connector No. M223	Connector Name SELECTOR LEVER POSITION INDICATOR		Connector Type XARP-09V	Q.	Myth		987654321				펻		œ >	.	N L	4 BR D	5 G R	6 V M	7 Р Р		9 B GROUND		
ATION	3 GND	OMM (CONT->DISP)		SHIELD		M210	AV CONTROL UNIT	TH32FW-NH			٦L	0/ 08 // 1/2 //3 /4 //3	78 181 87 181 88 88 88 88 88			of Signal Name [Specification]	PARKING BRAKE SIGNAL	COMPOSITE IMAGE SIGNAL GND	COMPOSITE IMAGE SIGNAL	MICROPHONE SHIELD	MICROPHONE VCC				T	IGNITION SIGNAL	REVERSE SIGNAL	VEHICLE SPEED SIGNAL (8-PULSE)	MICROPHONE SIGNAL	SHIELD	CONT)		AV COMM (H)	AV COMM (H)	_1									
ILLUMINATION	49 BR	50 W	52 SB	57 SHIELD		Connector No.	Connector Name	Connector Type	d	THE T	Z.H.S.					Terminal Color Of	+	╁	Н	ည်	+	+	+	75 LG	+	8 8 X G	F	┝	Н	88 B	89 G	+	+	92 SB										

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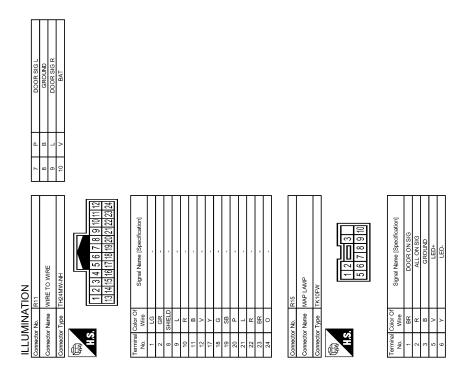
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< ECU DIAGNOSIS INFORMATION >

ECU DIAGNOSIS INFORMATION

TOTAL ILLUMINATION CONTROL UNIT

Reference Value

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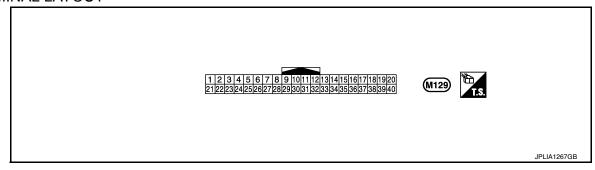
VALUES ON THE DIAGNOSIS TOOL

Monitor Item	Condition	Value/Status	
DAT CAVED CICNAL	Interior room lamp battery saver is activated. (BCM cuts the interior room lamp power supply.)	Off	
BAT SAVER SIGNAL	Interior room lamp battery saver is not activated. (BCM outputs the interior room lamp power supply.)	On	
ICM CICNIAL	Ignition switch OFF or ACC	Off	E
IGN SIGNAL	Ignition switch ON	On	
ACC SIGNAL	Ignition switch OFF	Off	
ACC SIGNAL	Ignition switch ACC or ON	On	r
	Other than the conditions as per the following	Off	
ROOM LAMP REQ	Hospitality lighting function table "Scene 1" Interior room lamp timer is activated. (Door is unlocked. etc.) Welcome light function is activated.	On	(
TAIL LAND CIONAL	Tail lamps are OFF.	Off	
TAIL LAMP SIGNAL	Tail lamps are ON condition.	On	
D00D 0W DD	Driver door close	Off	
DOOR SW-DR	Driver door open	On	
DOOD 014/ 40	Passenger door close	Off	
DOOR SW-AS	Passenger door open	On	
	Rear RH door close	Off	
DOOR SW-RR	Rear RH door open	On	ŀ
DOOD OW DI	Rear LH door close	Off	
DOOR SW-RL	Rear LH door open	On	
	Map lamp main switch OFF	Off	IN
MAP LAMP SW	Map lamp main switch ALL ON	ALL ON	
	Map lamp main switch DOOR	DOOR	
	Engine switch illumination OFF	Off	
ENGINE SW ILLUMI	While engine switch illumination heart beat function	PULSE	
	Ignition switch ON or tail lamps ON	STEADY	-
	Foot lamp OFF	0%	
FOOT LAMP	Any door open (Ignition switch OFF)	80%	
	Engine running (Tail lamps OFF)	10%	
	Map lamp main switch OFF	0%	
MAP LAMP-DR	Any door open and driver door close (Map lamp main switch DOOR)	30%	F
	Driver door open (Map lamp main switch DOOR)	90%	
	Map lamp main switch ALL ON	100%	

< ECU DIAGNOSIS INFORMATION >

Monitor Item	Condition	Value/Status		
	Map lamp main switch OFF	0%		
MAP LAMP-AS	Any door open and passenger door close (Map lamp main switch DOOR)	30%		
	Passenger door open (Map lamp main switch DOOR)	90%		
	Map lamp main switch ALL ON	100%		
	Map lamp main switch OFF	0%		
PERSONAL LMP-RR	Any door open and rear RH door close (Map lamp main switch DOOR)	30%		
	Rear RH door open (Map lamp main switch DOOR)	90%		
	Map lamp main switch ALL ON	100%		
	Map lamp main switch OFF	0%		
PERSONAL LMP-RL	Any door open and rear LH door close (Map lamp main switch DOOR)	30%		
	Rear LH door open (Map lamp main switch DOOR)	90%		
	Map lamp main switch ALL ON	100%		
PUDDLE LAMP	Puddle lamp OFF	0%		
FODDLE LAWF	Puddle lamp ON	100%		
MOOD LAMP	Mood lamp OFF	0%		
WOOD LAWF	Any door open	100%		
	Center console indirect illumination (ambience lamp) OFF	0%		
AMBIENCE LAMP	Ignition switch ON (Tail lamp OFF)	10%		
	Map lamp main switch ALL ON	100%		
	Each illumination (linked with hospitality lighting) OFF	0%		
HSPL ILLUMI	Tail lamps ON	0 – 100% (Linked to illumination control switch)		
ILLUM CONT SIGNAL	0 – 100% (Linked to illumination control switch)			

TERMINAL LAYOUT



PHYSICAL VALUES

Terminal No. (Wire color)		Description				Value
		Signal name	Input/ Output		Condition	(Approx.)
3 (V)	Ground	DDL2 communica- tion line	_	_		_
4 (L) Ground	Tail lamp signal	Input	Tail lamps	ON	Battery voltage	
				OFF	0 V	
5 (V) Ground	Ignition switch ACC	Input	Ignition switch	ACC or ON	Battery voltage	
				OFF	0 V	

< ECU DIAGNOSIS INFORMATION >

Terminal No.		Description				Value	
(Wire color) + _		Signal name	Input/ Output	Condition		(Approx.)	
				Interior room lamp battery saver is activated. (Cuts the interior room lamp power supply)		0 V	
6 (P)	Ground	Battery saver	Input	Interior room lamp battery saver is not activated. (Outputs the interior room lamp power supply)		12 V	
7	Ground	Ignition switch ON	Input	Ignition switch	ON	Battery voltage	
(W)	Orouna	iginaeri emieri eri	mpat	iginaen eunen	OFF or ACC	0 V	
8 (G) Groun	Ground	Passenger door switch	Input	Passenger door switch	OFF (Door close)	(V) ₁₅ 10 5 0 ***+10ms JPMIA0594GB 8.5 - 9.0 V	
					ON (Door open)	0 V	
9 (BG) Groun	Ground	Rear LH door switch	Input	Rear LH door switch	OFF (Door close)	(V) ₁₅ 10 5 0 → 10ms JPMIA0594GB	
					ON (Door open)	8.5 - 9.0 V	
10	Ground	Mood lamp (Front	Output	Mood lamp OFF	1	12 V	
(SB)	Orodria	door armrest RH)	Output	Any door open		0 V	
11	Ground	Mood lamp (Rear	Output	Mood lamp OFF		12 V	
(Y)		door armrest RH)		Any door open		0 V	
		Map lamp (Passenger side)		Map lamp main switch OFF		12 V	
12 (P) Groun	Ground		Output -	Any door open and passenger door close (Map lamp main switch DOOR)		(V) 10 5 0	
	Ground						
				Passenger door open (Map lamp main switch DOOR)		(V) 10 5 0 +-2 ms JPLIA1191ZZ	
						1.2 V	
				Map lamp main switch ALL ON		0 V	

< ECU DIAGNOSIS INFORMATION >

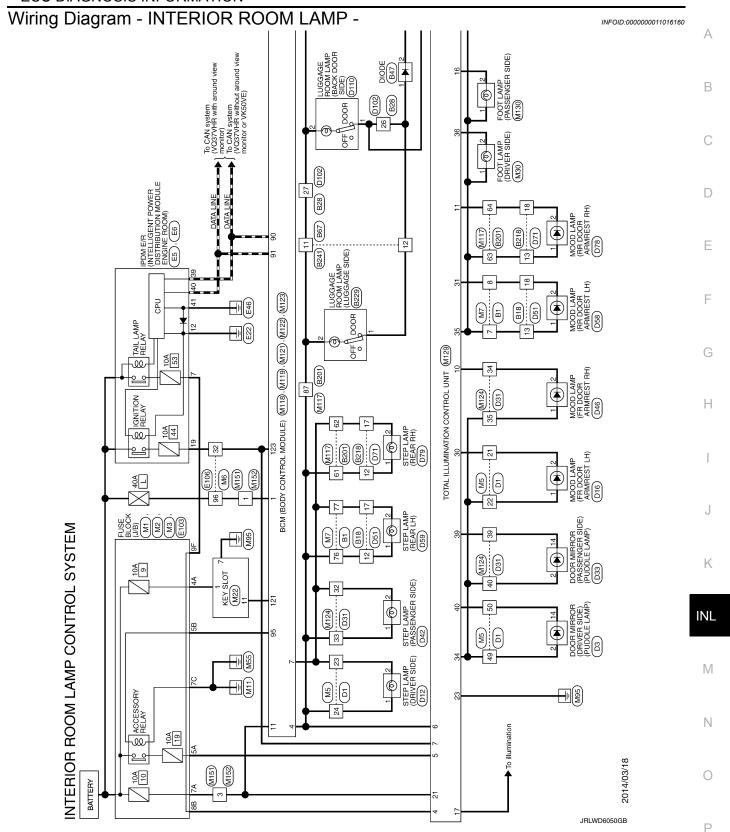
Terminal No. (Wire color)		Description		0 199	Value	
+	-	Signal name	Input/ Output	Condition	(Approx.)	
		Personal lamp (LH)	Output	Map lamp main switch OFF	12 V	
13 (G)	Ground			Any door open and rear LH door close (Map lamp main switch DOOR)	(V) 10 5 0 ***+2 ms JPLIA1190ZZ 8.4 V	
				Rear LH door open (Map lamp main switch DOOR)	(V) 10 5 0 → +2 ms JPLIA1191ZZ 1.2 V	
				Map lamp main switch ALL ON	0 V	
				Map lamp main switch OFF	12 V	
14 (R)	Ground	Personal lamp (RH)	Output -	Any door open and rear RH door close (Map lamp main switch DOOR)	(V) 10 5 0 * +2 ms JPLIA1190ZZ 8.4 V	
				Rear RH door open (Map lamp main switch DOOR)	(V) 10 5 0 +-2 ms JPLIA1191ZZ 1.2 V	
				Map lamp main switch ALL ON	0 V	

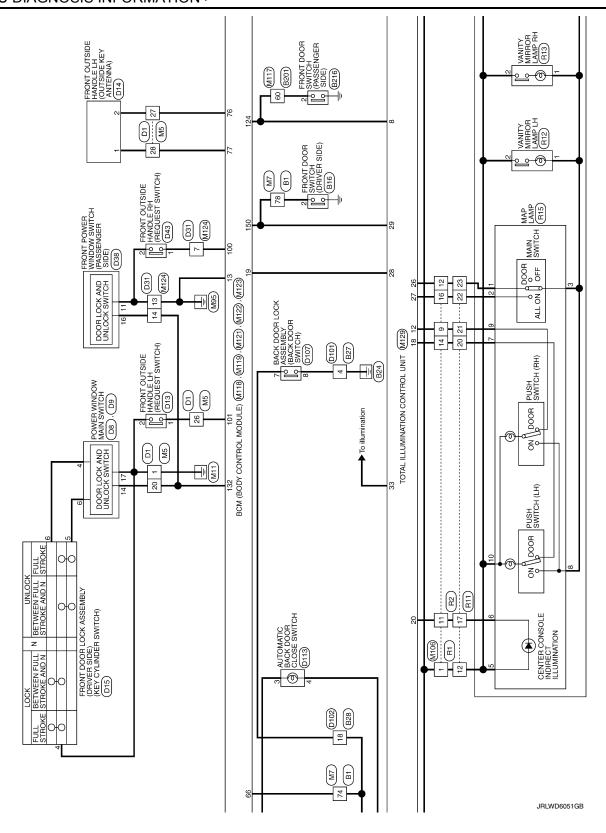
Terminal No.	Description			Value
(Wire color)	Signal name	Input/ Output	Condition	(Approx.)
			Foot lamp OFF Any door open (Ignition switch OFF)	12 V (V) 10 5 0
16 (GR) Ground	Foot lamp (RH)	Output	Ignition switch ON (Tail lamps OFF)	2.4 V (V) 10 5 0
17 (LG) Ground	Each illumination d (Linked with hospital- ity lighting)	Output	Ignition switch OFF Tail lamp ON	NOTE: Illumination control brightness level is midway (V) 10 5 0 PLIA1194ZZ
18 Ground	Map lamp (Driver	Output	Map lamp main switch OFF Any door open and driver door close (Map lamp main switch DOOR)	12 V (V) 10 5 0 ++2 ms JPLIA1190ZZ 8.4 V
(L) Ground	side)	34,501	Driver door open (Map lamp main switch DOOR)	(V) 10 5 0 → +2 ms JPLIA1191ZZ 1.2 V

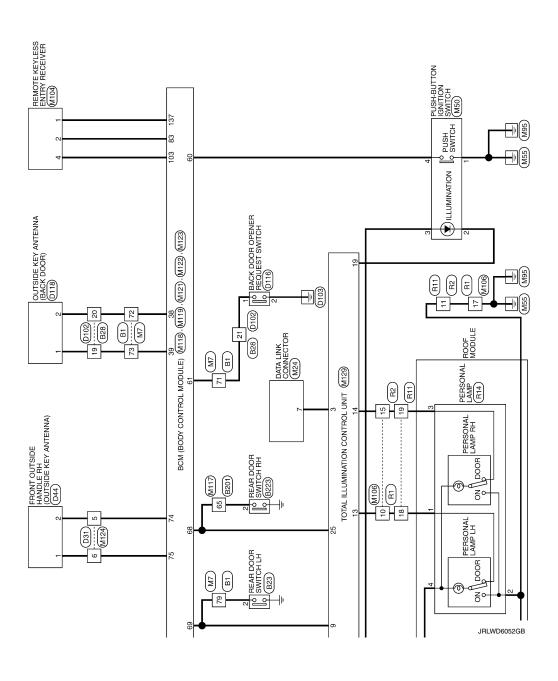
	inal No.	Description				Value
+ (VVir	e color)	Signal name	Input/ Output		Condition	(Approx.)
				Engine switch illur	nination OFF	12 V
19 (R)	Ground	Engine switch illumination	Output	While engine switch function	ch illumination heart beat	(V) 10 5 0
				Engine switch illur	nination ON (Tail lamp OFF)	0 V
				Center console inclamp) OFF	direct illumination (ambience	12 V
20 (Y)	Ground	Ambience lamp (Center console indi- rect illumination)	Output	Ignition switch ON	(Tail lamp OFF)	(V) 10 5 0 *** + 2 ms JPLIA1196ZZ 10.8 V
				Map lamp main sw	vitch ALL ON	0 V
21 (R)	Ground	Battery power supply	Input	Ignition switch OF	F	Battery voltage
23 (B)	Ground	Ground	_	Ignition switch ON		0 V
				Tail lamp OFF		5 V
24 (B)	Ground	Illumination control signal	Input	Tail lamp ON	Illumination control bright- ness level is minimum Illumination control bright- ness level is midway	8 V (V) 10 5 0 +-2 ms JPLIA1199ZZ
					Illumination control bright- ness level is maximum	0 V
25 (BR)	Ground	Rear RH door switch	Input	Rear RH door switch	OFF (Door close)	(V) ₁₅ 10 5 0 JPMIA0594GB
26 (BR)	Ground	Map lamp switch (DOOR)	Input	Map lamp main switch	ON (Door open) OFF or ALL ON DOOR	8.5 - 9.0 V 0 V 5 V 0 V

	inal No.	Description				Value
(Wire	e color)	Signal name	Input/ Output		Condition	(Approx.)
27	Ground	Map lamp switch	Innut	Map lamp main	OFF or DOOR	5 V
(R)	Giodila	(ALL ON)	Input	switch	ALL ON	0 V
28 (SB)	Ground	Room lamp timer	Input	Hospitality lighting Interior room lai (Door is unlocke	functions as per the following function table "scene 1" mp timer is activated. ed. etc.) unction is activated.	5 V 0 V
29 (GR)	Ground	Driver door switch	Input	Driver door switch	OFF (Door close)	(V) 15 10 5 0 JPMIA0594GB 8.5 - 9.0 V
					ON (Door open)	0 V
				Mood lamp OFF		12 V
				Any door open		0 V
30 (LG)	Ground	Mood lamp (Front door armrest LH)	Output	Engine running (T	ail lamps OFF)	(V) 10 5 0 + 2 ms JPLIA1189ZZ 8.4 V
				Mood lamp OFF		12 V
				Any door open		0 V
31 (BG)	Ground	Mood lamp (Rear door armrest LH)	Output	Engine running (T	ail lamps OFF)	(V) 10 5 0 → 2 ms JPLIA1189ZZ 8.4 V
33	_	Hospitality lighting	_	Interior room lamp	battery saver is activated.	0 V
(W)	Ground	power supply 3	Output	Interior room lamp ed.	battery saver is not activat-	12 V
34		Hospitality lighting			battery saver is activated.	0 V
(R)	Ground	power supply 2	Output	Interior room lamp ed.	battery saver is not activat-	12 V
35		Hospitality lighting		Interior room lamp	battery saver is activated.	0 V
(V)	Ground	power supply 1	Output	Interior room lamp	battery saver is not activat-	12 V

	inal No.	Description				Value
+ (VVIr	e color)	Signal name	Input/ Output		Condition	(Approx.)
				Foot lamp OFF		12 V
36 (L)	Ground	Foot lamp (LH)	Output	Any door open (igi	nition switch OFF)	(V) 10 5 0
(-)				Ignition switch ON	(Tail lamps OFF)	(V) 10 5 0 → 2 ms JPLIA1193ZZ 10.8 V
39	Ground	Puddle lamp (RH)	Output	Puddle lamp (RH)	OFF	12 V
(B)					ON	0 V
40	Ground	Puddle lamp (LH)	Output	Puddle lamp (LH)	OFF	12 V
(BG)	Siound	· addio idirip (Ei I)	Catput	. addic lamp (EII)	ON	0 V







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Connector No.	tor No.	, B1	27	۵		Ö	Connector No.	B16	Connector No. B23		
Connect	Connector Name	me WIRE TO WIRE	28	L GIIIO		Š	Connector Name	FRONT DOOR SWITCH (DRIVER SIDE)	Connector Name REAR D	REAR DOOR SWITCH LH	
Connector Type	tor Type	pe TH80FW-CS16-TM4	8 9	1	,	Š	Connector Type	A03FW	Connector Type A03FW		
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0 9	4 6		9 1	7		I	F			0	
2	ř		` i	1		<u>3</u>	Connector Type	NH10FW-CS10	Connector Lype MUSMIW	MUSMW-GY-LC	
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50	>	,	87	В		<u></u>	No. Wire		ø,		
21	≥		88	O			2 <		1 G		
23	>		88	BR	-		3 W	-	2 B	-	
24	<u>-</u>		91	œ			4 GR		3 W		
52	BR		95	BG		 	2		4 B		
56	Ġ		93	BR	-		9 9		6 BR	-	
27	В	91	8	>			8 BR		7 G		
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	46 SHIELD	47 B	+	7 0	+	+	Ů	Т	$^{+}$	+	+	_	Н	\dashv	-	62 SB	H	_	65 BG	Н	Н	\dashv	+	+	73 FG	+	\(\frac{1}{2}\)	╁	80 BG	⊢	83 ⊀	84 K	+	98 GR	+	V :	92 W	+	+	+	+	+	+	7 66																
	Connector No. B201	Connector Name WIRE TO WIRE	TUDOUN COST TANA]		2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7 2	(a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	0 0 0				nal Color Of Signal Name (Specification)	orginal reality [Opcompanion]						GR .		9	SHIELD			5 -				· -	28 SHELD - 8		GR	33 38				-	LG - [With ICC]	V - [Without ICC]	SB - [With ICC]	Y - [Without ICC]	- [With ICC]	W - [Without ICC]	43 B - [Without ICC]	+	+	46 BG - IWith ICCI												
SYSTEM		Connector Name DIODE	Composition Time 0433E COOO	Ť	₫.		S. S) lar		1 GR -	2 V -			Connector No. B67	DOING OF BOILD		Connector Type NS16MBR-CS	q	生力	123 4567	0 0 0 0 0	91161141161171 11110118 18			Terminal Color Of Size Name 12	Wire	7	O	Т	: e	8 BR	П	Т	+	12 GR -	+	-																		
INTERIOR ROOM I AMP CONTROL	Connector No. B28	Connector Name WIRE TO WIRE		7	4	至		1 2 3 4 5 6 7 8 9 10 11	28 29 30 31	200			Terminal Color Of Signal Name (Specification)		1 R	2 B -	3 W	4 SHIELD -	5 G	- T 9		П	Т	10 B	9 -	13 W	+	BG	⊢	17 BG -	- v = V	+	+	+	+	23 R	+	+	+	27 L -	┥																			
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INTERIOR ROOM LAMP CONTROL SYSTEM	- SYSTEM						
Connector No. B216	Connector No. B223	Terminal C	Color Of	Circuit Nome [Candification]	30	97	
VEGO GENERAL DATE OF THE COLUMN TO A COLUM		ğ	Wire	orgital Name [Specification]	31	0	
CONNECTOR INSIDE PROVIDENCE (PASSENGER SIDE)	Connector Inside REAR DOOR SWITCH RH	-	BR		32	BR	
Connector Type A03FW	Connector Type A03FW	2	9	-	33	٦	
	•	╗	SHIELD		34	GR	
区	E	2	တ		32	В	
X.	T.	00	S		98	ď	
		T	9		37	9	
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Ι		11	_		33	×	
]]	12	W		40	В	
		13	Д		41	SHIELD	
E	Terminal Color Of Size Normal Size	14	œ		42	9	
No. Wire olgnan hanne [opecinication]					43	ď	
_	2 BG -				44	BR	
		Connector No.	No. D1		45	^	
		Connector Nome	Nomo (4	adiwi OL adiwi	46	۵	
Connector No. B218	Connector No. B229	COLLINECTOL	Name Name	INE IO WINE	47	>	
Omerand Manager Marine TO 14/10E	Competent Nome 1100A0E BOOM AMB 1100A0E BDE	Connector Type		TH40FW-CS15	48	GR	
Collinector Name WIRE O WIRE		ľ			49	œ	
Connector Type NH10FW-CS10	Connector Type TK03FW	le de	C		20	В	
	1	Į		20 00 00 00 00 00 00 00 00 00 00 00 00 0	51	SB	
		H.S.		0	52	_	
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				88	25	0	
13 12 11 10 9	1 2 1		IJ		22	GR	
7 8 12 12 12 13 14 15 14 8 /							
2		<u>a</u>	Solor Of	Signal Name [Specification]		- 1	
		o Z	Wire	functional curve make	Connector No.		D3
<u>a</u>	<u>a</u>	-	<u>_</u>		Connect	or Name	Connector Name DOOR MIRROR (DRIVER SIDE)
Wire	a)	9	ပ				
2 GR -	- W	9	GR.		Connect	Connector Type	TH24MW-NH
3 W	2 L -	7	8		4		
4 R		8	SB		B		
2 SB		0	H H		ŧ		
- BB 9	Connector No. B241	10	0		Ź	<i>7</i> .	12/11/10/08/7/6/5/3/2
9 8	() () () () () () () () () ()	11	œ				
┞	Connector Name WIRE TO WIRE	12	9				24 23 22 21 19 18 17 14
┝	Connector Type NS16FBR-CS	13	>				
H		14	۵				
H	4	4,	-		Termina	Ferminal Color Of	L
╀		000	>		Ź	Wire	Signal Name [Specification]
╀	7 6 5 4 3 2 1	5	. >		c	٩	
┨	0 04 44 40 40 44 40 0	. 6	- 8		4 0	4 %	
	8 6 01 11 71 81 91 61 91	7 8	5 8		,	;	
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Corrector No. 1015 Corrector Type EDGFGY-RS This corrector Type (123456)	Terminal Color Of Signal Name (Specification) Na. Wire Signal Name (Specification) 1.6	
Corrector No. D13 Corrector Name FRONT CUTSDE HANDLE LH (RECLEST SWITCH) Corrector Type RKK(2FL-B	Terminal Color Of Signal Name (Specification) 1	
Convector No. D9 Convector Name POWER WINDOW MAIN SWITCH Convector Type NSIGSFW.CS	Terminal Color Of Signal Name (Specification) No. Wire 17 B - 19 Y 19 Connector Name STEP LAMP (DRIVER SIDE) Connector Name STEP LAMP (DRIVER SIDE) Connector Type TB02FW No. Wire	
INTERIOR ROOM LAMP CONTROL 11	Corrector Name PowEr WinDow MAIN SWITCH	
		JRLWD6056GB

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Corrector No. D79 Corrector Name STEP LAMP (REAR RH) Corrector Type TB02FW	Terminal Color Of No. Wire Signal Name (Specification) 1	
Corrector No. D71 Corrector Name WIRE TO WIRE Corrector Type Net10MW.CS10 1 2 3	Terminal Color Of No. Wire Signal Name [Specification] No. Wire No. Wire Signal Name [Specification] No. Wire No.	
CONTRICTEM Connector No. D56 Connector Name MOOD LAMP (RR DOOR ARMREST LH) Connector Type TK02FGY TK02FGY A.S.	Terminal Color Of No. Wire Signal Name (Specification) 1	
INTERIOR ROOM LAMP CONTROL Cornector No. Du6 Cornector None IMOD LAMP (FR DOOR ARMREST RH) Cornector Type TK02FGY	Terminal Color Of Signal Name [Specification] Name Specification] Name Specification]	
		JRLWD6058GB

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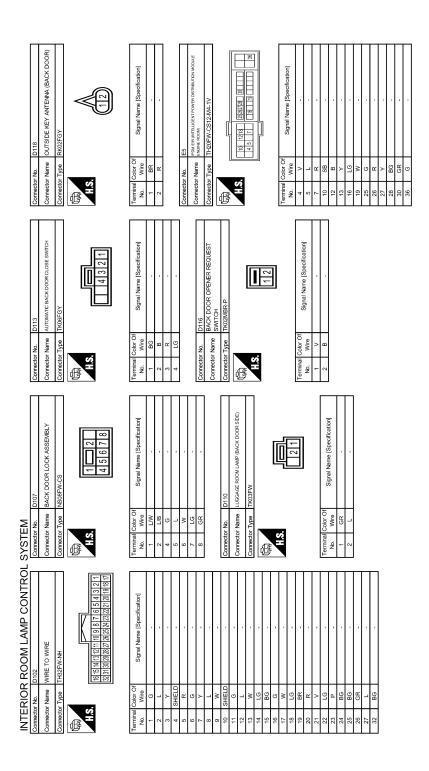
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П	98 SHIELD .	100 Y		-		Connector Name FUSE BLOCK (J/B)	-	Connector Type NS06FW-M2		€	至	[1. PA A		84 PCBS A P					E E	No. Wire Ognal valle Openication	14 BG	2	2A G .	3A L	G 47	+	4	- × V9	╀	+	8A L			Connector No. M2		Connector Name FUSE BLOCK (J/B)		Connector Type NS10FW-CS	4			4838		8888178168158				Torminal Color Of	Signal Name [Specification]	wire	1B LG	┞	. (_	5B BG -	╀	-	78	88	4	
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37	38	စ္တ	4	45	54 :	4	4	46	47	78	ţ	49	50	3	n	52	53	1 2	ķ	55	28	ê	3	9	62	83	3 3	64	65	68	B	0	71	72	73	2	ţ ç		1	78	8	20	68	3 8	8	84	82	86	0	õ	88	88	G	3	91	92	S	ç,	98	g	ag	
Connector No. E106	Connector Name WIRE TO WIRE	Т	Connector Type TH80FW-CS16-TM4			N 22 23 23 24 25 24 25 24 25 24 25 24 25 24 25 24 25 24 25 24 25 24 25 24 25 24 25 24 25 24 25 25 25 25 25 25 25 25 25 25 25 25 25	. 3	が な な な な な な な な な な な な な な な な な な な	8 H H H	10 10 10 10 10 10 10 10 10 10 10 10 10 1			Terminal Color Of		+	- c	2 BG		+	4 LG -	5 ×	Α	$^{+}$	+	> 8	F	+	4		╀		4	14 W	15 SHIELD -	Г	╀	- 6	+	ŋ	4	20 Y - [Without ICC]	21 BR -	+	2 :	22 V - [Without ICC]	o	24 L - [With ICC]	۵		23 L	\ \	26 SHIELD -	T) <u>-</u>		30 BG -	701	+	33 \	34 BG	\dashv	
1	Connector Name Indian Property Power DISTRIBUTION MODULE	ENGINE NOON)	Connector Type TH08FW-NH			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 05 07 17 C7		46 45 44 43					Signal Name [Specification]		٠.			n	· ·	SB	- M		9	BR .		1		Connector No. E103		Connector Name FUSE BLOCK (J/B)		Connector Type NS16FW-CS				- BF 4F 7 3F 7F 17F 17F 17F 17F 17F 17F 17F 17F 17F		1 18 16 10					Signal Name [Specification]			- SB				9	. BG								1		

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INTERIOR ROOM LAMP CONTROL	SYSTEM	M							
9B BR -	15	٦	-	Connector No.	M6		33	٠.	
	20	BG				L	8	. 1	
	21	Pl		Connector Name	ne WIRE TO WIRE	L	37	9	
Connector No. M3	22	>		Connector Type	HB0MW-CS16-TM4		38		
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	23	>					39		
Cornector Name (FUSE BLOCK (J/B))	24	۵		II.			41		
Connector Type NS12FW-CS	56	SB		Į			42		
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	28	PI				L	H		
	58	ď	-		a 19 s		45	GR -	
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72 70 90 100 90	31	BG					47		
	32	SB	=	Terminal Color O	r Of		48	- Н	
	33	٦	•	No. Wire			-	BG .	
	34	æ	-	1 G			20 r	- · · · · ·	
al	35	В		2 BG			_		
Wire Signal Name	36	Я		3 FG	- [Without Auto aircon seat]		H		
10C L -	37	9		3 SB	B - [With Auto aircon seat]		53 E	BG .	
11C LG -	38	SHIELD		4 LG		L	24 E	BR .	
ĸ	39	>		5 GR		L	55	SB	
۵	40	В		9			29		
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	4	c		F		L	╀		
Connector No	45	>		+			ŀ		
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Connector Name WIRE TO WIRE	2 2	Ś		ł		L	$^{+}$		
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	22	_		20 W	v - [With ICC]		. 82		
				21 BR	R - [With ICC]		80 E	BG .	
ā				21 R			81		
No. Wire Ognari varie [openition]				22 L	- [Without ICC]		82		
1 B -				_	R - [With ICC]		83	٠.	
3 SB -				23 G			84	7	
				24 L	- [With ICC]	L	85	- Н	
7 W -				24 P	- [Without ICC]	L	98	BR .	
9 8				25 W	v - [Without ICC]	L	87	٠.	
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BG				26 SHIELD		L	H		
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14 P				┝		L	93	GR	Γ
ł				$\frac{1}{1}$		J	$\frac{1}{1}$]

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	Connector No. M30 Connector Name FOOT LAMP (DRIVER SIDE) Connector Type G02FW	H.S. 20]	Terminal Color Of Signal Name [Specification] No. Wire 1	2 L	Connector Name PUSHBUTTON IGNITION SWITCH	Connector Type TK06FBR		H.S. [1]	45678		Color Of	No. Wire Signal Name [Specification]	8 0	3 K	SB	GR	7 7	8 P -											
	Connector No. M22 Connector Name KEY SLOT Connector Type TH12FWAN	H8 1123 123 156		Of Signal N	+++	7 B GROUND 11 RR KFY SWITCH SIGNAL	ś	Connector No. M24	Connector Name DATA LINK CONNECTOR	Connector Type BD16FW		11 12 13 14 16	7 2 1 1 1 2 1 1 2 1			la D	Wire	8 P P	8	7 GR -		88	13 -	Ь	16 BG .					
											-			-					-											
STEM	45 B 51 V 52 LG 53 SHIELD	54 BR 35 Y S6 SHIELD 56 SHIELD 66 SH		HH	+	- 5 ×	₩	Н	75 P	H	Ĥ	79 R	81 P	Н	83 SB P	85 W	+	+	Н	92 BG	Н	+	96 W	Н	-					
INTERIOR ROOM LAMP CONTROL SYSTEM		100 Y 5 5	sctor Type TH80MW-CS16-TM4	S	111	Terminal Color Of Signal Name [Specification] 68	G - [With Auto aircon seat]	י אאונוסת אמס מוניסטו פפתו	W G 0	> 000 CO	- M	. BG				- 1	٠.	1	- 91		BR .	GR	20 ×		B (5	43 SB - 44 W				

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INTERIO	INTERIOR ROOM LAMP CONTROL SYSTEM	SYST	EM						
Connector No.	M104	Connector No.	or No. M117	17	46	SHIELD	- [Without ICC]	Connector No.	M118
Connector Name	Connector Name REMOTE KEYLESS ENTRY RECEIVER	Connect	Connector Name WI	WIRE TO WIRE	47	œ	- [Without ICC]	Connector Name	BCM (BODY CONTROL MODULE)
			П		47	4	- [With ICC]	П	
Connector Type	JAB04FB	Connector Type	\neg	TH80MW-CS16-TM4	48	+	- [With ICC]	Connector Type	M03FB-LC
ą		ą			488	+	- [Without ICC]	Q	
厚		厚		S 2	49	+	- [With ICC]	厚	[
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ē.	L	Ģ	7	2 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	20	SHIELD	-	<u> </u>	13
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Terminal Color Of		Tormina	Color Of		ű	٥		Terminal Color Of	
No. Wire	Signal Name [Specification]	S		Signal Name [Specification]	8	F			Signal Name [Specification]
+	8	-	a.e		2	╀		*	BAT (E/I)
2 GR		^	88		69	F		× <	POWER WINDOW POWER SLIPPLY (BAT)
H	BA	ď	>	1	8	╀		BG	POWER WINDOW POWER SLIPPLY (RAP)
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Connector No.	M106	,	m	1	99	4		Connector No.	M119
Connector Name	Connector Name WIRE TO WIRE	ω	>		67	≥		Connector Name	BCM (BODY CONTBOL MODULE)
		10	W		69	9			(====)
Connector Type	Connector Type NH10MW-CS10	1	SHIELD	•	71	SB		Connector Type NS16FW-CS	NS16FW-CS
		20	ď	1	72	>	-		
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	91 /1 01 01 14 1	96	Ω		S	Œ		<u> </u>	
		27	-		8	>			
Torminal Color Of		è	0 1110		8	- 6		Torminal Color Of	
No Wire	Signal Name [Specification]	34	2 N		3 8	+			Signal Name [Specification]
t		5	: 14		5 8	╀		t	China Tada Signing days I MOOO THE
- 0		3 8	: 8		3 8	+		$^{+}$	DASSENICED DOOD IN OOK OFFILE
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7	,	3/	ı		50	4		+	ALL DOOR, FUEL LID LOCK COLFOL
+		38	7		92	7		+	DRIVER DOOR, FUEL LID UNLOCK OUTPUT
+		39	۵.		93	G		_	REAR DOOR UNLOCK OUTPUT
6 6	-	40	>	•	94	BG	-	11 R	BAT (FUSE)
10 G		41	SB	- [With ICC]	95	۸		13 B	GROUND
۱۱ ۲		41	Υ	- [Without ICC]	96	9	-	15 Y	ACC IND
12 BR		42	>	- [With ICC]	97	H		17 W	TURN SIGNAL RH (FRONT)
13 L		45	Μ	- [Without ICC]	86	٦		L	TURN SIGNAL LH (FRONT)
14		43	8	- [Without ICC]	66	9		19 SB	ROOM LAMP TIMER
15 T		5 43		- [With ICC]	_	-		-	
╀		4	. 02						
╀		45	C	- [Without ICC]					
00 BG		4F) -	- IWIR ICCI					
┨		46	, ₂₈	- [With ICC]					

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	00	5	CANA FIRM OFFICE	444					
	8	GR.	NATS ANT AMP.	141	9	SECURITY INDICATOR OUTPUT	ŝ	20	
BCM (BODY CONTROL MODILE)	81	≯	NATS ANT AMP.	142	BG	COMBI SW OUTPUT 5	40	œ	
NOT MICEOLE,	82	۵	IGN RELAY (F/B) CONT	143	Р	COMBI SW OUTPUT 1	41	Д	
	83	GR	KEYLESS ENTRY RECEIVER SIGNAL	144	9	COMBI SW OUTPUT 2	42	97	•
	87	BR	COMBI SW INPUT 5	145	L	COMBI SW OUTPUT 3	43	٦	
	88	>	COMBI SW INPUT 3	146	SB	COMBI SW OUTPUT 4	44	>	•
17	6	۵	CAN-L	150	GR	DRIVER DOOR SW	42	œ	
25 25	91	-	CAN-H	151	g	REAR WINDOW DEFOGGER RELAY CONT	46	≥	
6160 52	35	9 ×	KEY SLOT ILL				45	> 8	
	8 8	۵ د	ACC BELAY COM	Connector No	ı	14104	9 6		
	96	S S	A/T SHIET SELECTOR POWER SUPPLY	000		W12+	r D	SHIELD	<u>'</u>
	66	œ	SHIFT P	Connect	Connector Name	WIRE TO WIRE			
Signal Name [Specification]	100	o	PASSENGER DOOR REQUEST SW	Connect	Connector Type	TH40MW-CS15	Connector No.		M129
LUGGAGE ROOM ANT-	101	SB	DRIVER DOOR REQUEST SW						The state of the s
LUGGAGE ROOM ANT+	102	BG	BLOWER FAN MOTOR RELAY CONT	1			Connect	r Name	I O I AL ILLUMINATION CONTROL UNIT
BACK DOOR ANT-	103	R	KEYLESS ENTRY RECEIVER POWER SUPPLY	•		1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	Connector Type	r Type	TH40FW-NH
BACK DOOR ANT+	107	PC	COMBI SW INPUT 1	Ś	á		ſ		
PDM E/R) CONT	108	ď	COMBI SW INPUT 4			1617 1819 20 2 2 2 2 24 24 25 25 30 3 138 3340 41 4243 4444444	ß		
STARTER RELAY CONT	109	\	COMBI SW INPUT 2			Po ko ko ko lio boles bil k	Ę		
rart_sw	110	9	HAZARD SW				4	_	3 4 5 6 7 8 9 10 11 12 13 14 16 17 18 19 20
TRUNK_REQUEST_SW									21 23 24 25 28 27 28 29 30 31 33 24 35 36 40
I-KEY WARN BUZZER (ENG ROOM)				Termina	erminal Color Of	Signal Name [Specification]		_	
STOP POSITION	Connector No.	o No	M123	ġ	Wire				
BACK DOOR SW	Connec	Connector Name	BCM (BODY CONTROL MODULE)	က	^	-			=
BACK DOOR OPENER SW				4	PIC		Terminal	Ferminal Color Of	Signal Name [Specification]
REAR RH DOOR SW	Connec	Connector Type	TH40FG-NH	ç	SB		Ö.	wire	
REAR LH DOOR SW	q			9	æ		m	>	DDL2
	手			\	9		4	_	TAIL LAMP SIGNAL
	Ę	,	K	æ	>		2	>	ACC SIGNAL
	Ė	9	85 65	6	LG	-	9	۵	BAT SAVER SIGNAL
Connector Name BCM (BODY CONTROL MODILE)				13	В		7	≯	IGN SIGNAL
(4	BG		80	ပ	DOOR SW (AS)
				15	W		6	BG	DOOR SW (RL)
				19	G		10	SB	MOOD LAMP (FR ARMREST RH)
	Termina	erminal Color Of	Simpl Name (Specification)	20	LG	•	11	Υ	MOOD LAMP (RR ARMREST RH)
	ġ	Wire	oignal ranne [opeonication]	22	W		12	۵	MAP LAMP (AS)
12 32 52 52 02 00 00 00 00	112	GR	RAIN SENSOR SERIAL LINK	23	В	•	13	g	PERSONAL LAMP (LH)
00 CO	113	۵	OPLICAL SENSOR	24	SHIELD		14	œ	PERSONAL LAMP (RH)
22	116	BR	STOP LAMP SW 1	25	g		16	GR	FOOT LAMP (RH)
	118	Ь	STOP LAMP SW 2	26	Я		17	97	HSPL ILLUMINATIONS
	119	SB	DR DOOR UNLOCK SENSOR	31	BG		18	_	MAP LAMP (DR)
3	121	æ	KEY SLOT SW	32	>		19	œ	PUSH ENG START SW LED
ognal Name [Specification]	123	*	IGN F/B	33	P		20	>	AMBIENCE LAMP
PASSENGER DOOR ANT-	124	9	PASSENGER DOOR SW	34	SB		21	œ	BAT POWER SUPPLY
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| | Miss | Mist | Mistan M | Mistan M | Mistan M | Mistan M | Mist | Mist | Mistan M | Missing Miss | Mist | Mist | Miss | | Mist | Mist | M151 M161 M162 WIRE TO WIRE No. Wire Signal Name (Specification) Corrector Name M162 M162 | | Mist | Mist | | | M151 | Mist
 | MIST | M151 M151 M161 M162 M162 M162 M162 M163 M164 M164 M164 M164 M165 M166 | | | | M151 Corrector No. R11 Corrector No. Corrector Name Corrector Name Corrector Name WISE TO WIRE 1 V Corrector Type Corrector Type Corrector Type M03FWLC 2 BR Corrector Type Corrector Type
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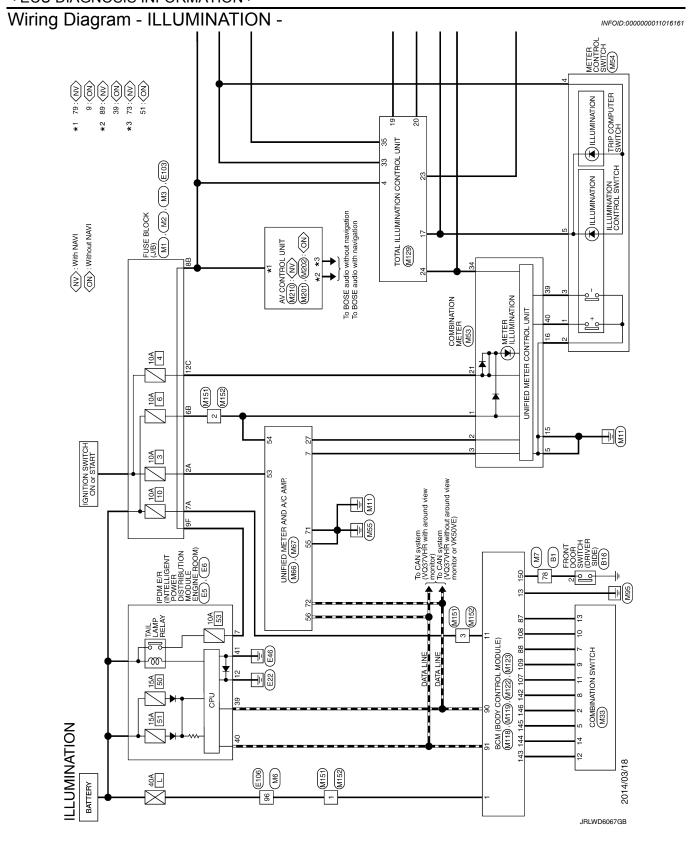
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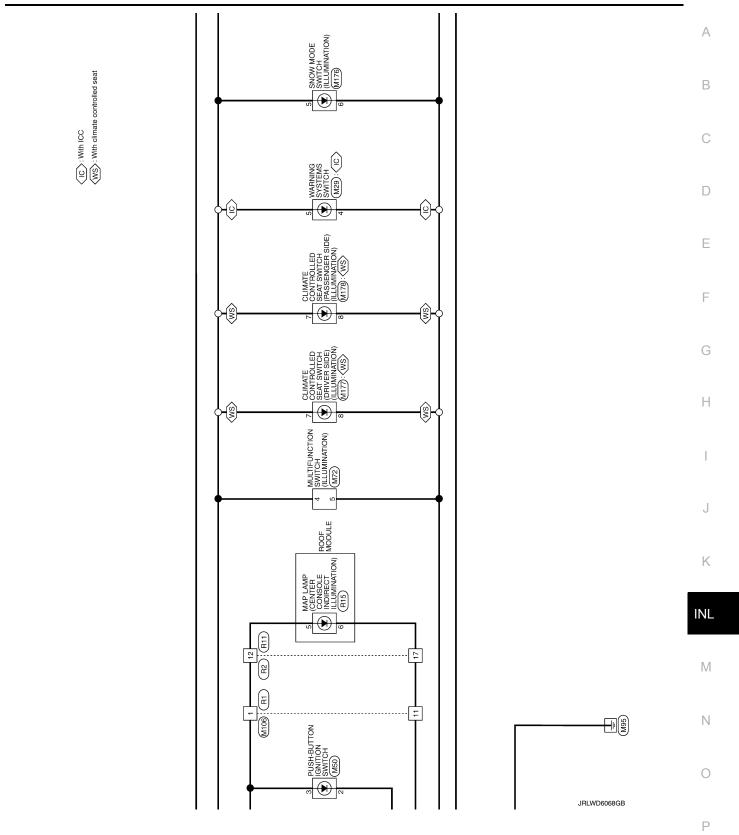
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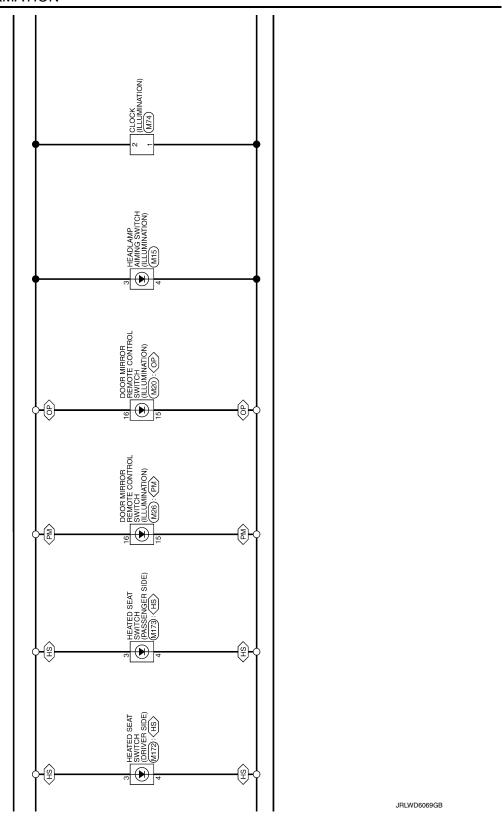
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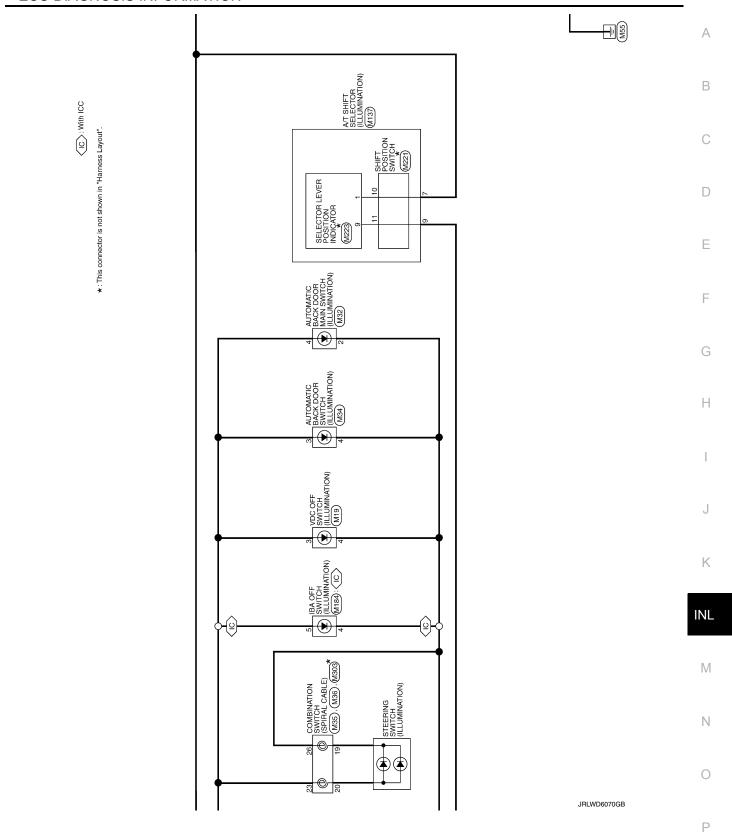
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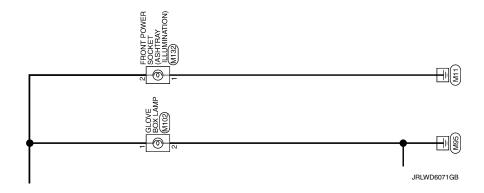




⟨HS⟩: With heated seat
⟨PM⟩: With automatic drive positioner
⟨OP⟩: Without automatic drive positioner





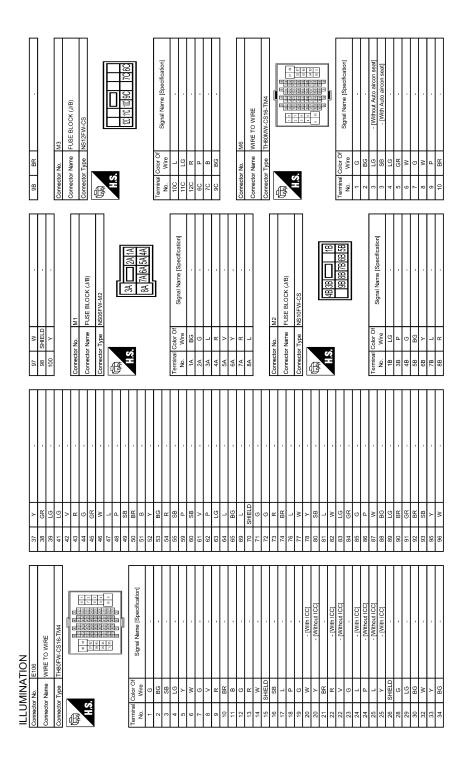


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Revision: 2015 February INL-137 2015 QX70

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Connector No.		OR REMOTE CONTROL SWITCH	C 3 4 15 6 4 15 16 4 15 16 4 15 16 16 16 16 16 16 16 16 16 16 16 16 16	Terminal Color Of No. Write No. Write 1 BG 2 LG 3 B 4 W	_ 	Terminal Color Of No. Wire No.
MINATION		Connector Name DOOR MI	Connector type TK16FE		 	M29 WARNIN E TKOBFG C Of
A MINA TIER OF THE TIER OF	TION M19	VDC OFF SWITCH		Signal Name [Specification]	м20 росния меноя ремоте сомтясь switch ТК16FW 2 3 4 5 6 7 8 9 1/10 11 17 13 15 16 1	[ginal Name [6]
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< ECU DIAGNOSIS INFORMATION >

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Corrector No. MISA Corrector Type THISHWINH THISHWINH THISHWINH THISHWINH THISHWINH	Terminal Color Of	
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ILLUMINATION Cornector No. M36 Cornector Type Trage GV-1V M35 Cornector Type Trage GV-1V M35 M36 M37 M38 M38 M38 M38 M38 M38 M38	Terminal Color Of Wise Signal Name [Specification] No. Wise Signal Name [Specification] No. Wise Signal Name [Specification] No. Wise No. Wise Signal Name [Specification] No. Wise	
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Revision: 2015 February INL-139 2015 QX70

ILLUMINATION Connector No. M72	NO.	Connector No.	bo. M102	Connector No.	M118	Connector No.		M122
Connector Name M	Connector Name MULTIFUNCTION SWITCH	Connector Name	kame GLOVE BOX LAMP	Connector Name	ne BCM (BODY CONTROL MODULE)	Connecte	Connector Name	BCM (BODY CONTROL MODULE)
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Terminal Color Of No. Wire	Signal Name [Specification]	Terminal Co No.	Color Of Signal Name [Specification]	Terminal Color Of No. Wire	r Of Signal Name [Specification]	Terminal No.	Terminal Color Of No. Wire	Signal Name [Specification]
-	GROUND	-		1	V BAT (F/L)	74	SB	PASSENGER DOOR ANT-
3	ACC	2		2 Y	П	75	BR	PASSENGER DOOR ANT+
+	ILL			3 BG	G POWER WINDOW POWER SUPPLY (RAP)	9/	>	DRIVER DOOR ANT-
+	ILL CONT					22	P.	DRIVER DOOR ANT+
S C	AV COMM (H)	Connector No.	Τ	Connector No	14440	8 02	≻ da	ROOM ANT1-
$^{+}$	SW GND	Connector Name	lame WIRE TO WIRE	000000000000000000000000000000000000000		80	GR S	NATS ANT AMP
+	DISK EJECT SIGNAL	Connector Type	Vpe NH10MW-CS10	Connector Name	me BCM (BODY CONTROL MODULE)	8 18	>	NATS ANT AMP.
H	HAZARD ON	(1	Connector Typ	Connector Type NS16FW-CS	82	Ы	IGN RELAY (F/B) CONT
				ď		83	GR	KEYLESS ENTRY RECEIVER SIGNAL
		\ \ -	1 2 3 4 5 6	E		87	BR	COMBI SW INPUT 5
Connector No. M	M74	Ż	•	É		88	>	COMBI SW INPUT 3
Connector Name CLOCK	, ock		9 10 11 12 13	Ĉ.]]	06	Ь	CAN-L
			7 8 14 15 16 17 18 19 20		11 13 15 17 18 19	91	-	CAN-H
Connector Type TH04FW-NH	HO4FW-NH		1 01 01			95	PC	KEY SLOT ILL
Q						93	>	QNINO
至		g	Color Of Signal Name [Specification]	E		95	BB	ACC RELAY CONT
E.S.		Ď.		No. Wire	r OI Signal Name [Specification]	g 8	ž a	A/I SHIFI SELECTOR POWER SUPPLY
	700		. 88	+	P INT ROOM LAMP PWR SUPPLY (BAT SAVE)	100	: 0	PASSENGER DOOR REDUEST SW
	+ 6 7 1	е	GR	2	T	101	SB	DRIVER DOOR REQUEST SW
		4 SI	SHIELD -	7	STEP LAMP OUTPUT	102	BG	BLOWER FAN MOTOR RELAY CONT
		5	. 9	8	/ ALL DOOR, FUEL LID LOCK OUTPUT	103	BR	KEYLESS ENTRY RECEIVER POWER SUPPLY
ā	Signal Name [Specification]	9	BR -	\dashv	DRIV	107	re	COMBI SW INPUT 1
No. Wire	organic de l'observation	6	٠.	10 BF	BR REAR DOOR UNLOCK OUTPUT	108	œ	COMBI SW INPUT 4
- B	ILLUMINATION (-)	10	9	4		109	≻	COMBI SW INPUT 2
+	ILLUMINATION (+)	7		-	B GROUND	110	O	HAZARD SW
в Э	GROUND	12	BR -	+	4			
4 ≻	BATTERY POWER SUPPLY	13		+	4			
		14		+	BG TURN SIGNAL LH (FRONT)			
		19	κ α	8				
		17						
		20	BG .					

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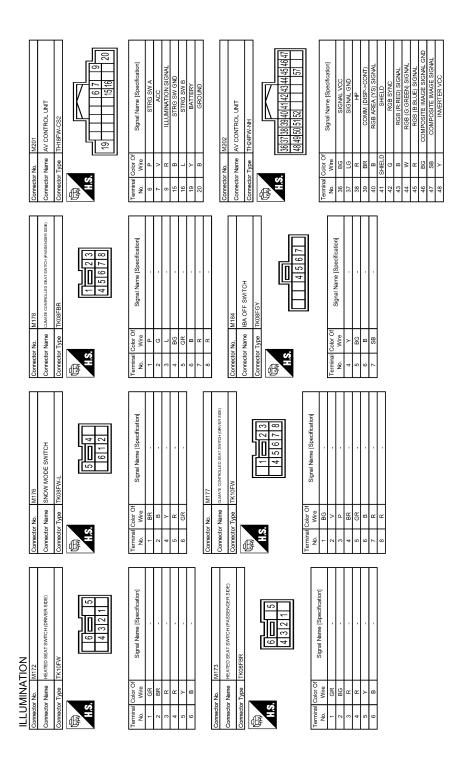
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Connector No. M151 Connector Name WIRE TO WIRE Connector Type MX3FWLC 132	Terminal Color Of Signal Name (Specification) No. Wree 2 N 3 R Corrector No. M152 Corrector Name WIRE TO WIRE Corrector Name WIRE TO WIRE Corrector Name WIRE OF Signal Name (Specification) No. Wree 1 N	
Corrector No. M132 Corrector Name FRONT POWER SOCKET Corrector Type NSG3FW.CS (A) 3 2 1	Terminal Color Of No. Wine Signal Name (Specification) 1	
Corrector No. M129 Corrector Name TOTAL ILLUMINATION CONTROL UNIT Corrector Type TH40FW-N41 TH40FW-N41 1 3 4 5 6 7 8 9 9 11 7 8 1 8 1 7 8 1 8 1 7 8 1 8 1 7 8 1 8 1	Terminal Color Of Signal Name (Specification) No. Wine DDCS DDCS	
Comediar No. M123 Connector No. M123 Connector Nome BCM (BODY CONTROL MODULE) Connector Type TH40FG-N41	Terminal Color Of Signal Name Specification No. Wive PANIN SENSOR ESTAL LINK 113 P OPILICAL SENSOR 118 P STOP LAMP SW 1 119 SB STOP LAMP SW 2 119 SB DR DOOR NALOOK SENSOR 121 BR RECYBERSENSOR SW 122 UG PASSENGER DOOR SW 123 W (IGN FIB 143 GR RECURPTERSENSOR GND 141 GR SECURTIVE MOLICAR OUTPUT 142 BG COMB ISW OUTPUT 143 P COMB ISW OUTPUT 144 G SECURTIVI MOLICAR OUTPUT 145 L COMB ISW OUTPUT 146 G COMB ISW OUTPUT 147 G SECURTIV INDICATOR OUTPUT 148 P COMB ISW OUTPUT 149 GR DRUKE BOOR SW 151 G REAR WINDOW DEFOGGER RELAY CONT 152 G REAR WINDOW DEFOGGER RELAY CONT 153 G REAR WINDOW DEFOGGER RELAY CONT 154 G REAR WINDOW DEFOGGER RELAY CONT 155 G REAR WINDOW DEFOGGER RELAY CONT 150 GR DRUKE BOOR SW 151 G REAR WINDOW DEFOGGER RELAY CONT 151 G REAR WINDOW DEFOGGER RELAY CONT 152 G REAR WINDOW DEFOGGER RELAY CONT 153 G GR DRUKE BOOR SW 154 G GR DRUKE BOOR SW 155 G REAR WINDOW DEFOGGER RELAY CONT 155 G GR DRUKE BOOR SW 155 G GR DRUKE BOOR SW 155 G REAR WINDOW DEFOGGER RELAY CONT 155 G GR DRUKE BOOR SW 155 G GR D	
		JRLWD6078GB

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Corrector No. M303	
Cornector No. M221	

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100			+	CBOLIND	_
Connecto	Connector Name	WIRE TO WIRE	a	DOOR SIG R	_
Connector Type	or Type	TH24MW-NH	H	BAT	$\overline{}$
H.S.		1 2 3 4 5 6 7 8 9 1011112 13 14 15 16 17 18 19 20 21 22 23 24			
Terminal No.	Terminal Color Of No. Wire	Signal Name [Specification]			
-	Ρ	í			
2	GR				
80	SHELD				
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17	Υ				
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22	ď				
23	BR				
24	0	-			
Connector No.	or No.	R15			
Connecto	Connector Name	MAP LAMP			
Connector Type	П	TK10FW			
语. H.S.		112 3 5 6 7 8 9 10			
Terminal	Terminal Color Of				
o N	Wire	olginal ivame [specification]			
-	BR	DOOR ON SIG			
5 5	œ (ALL ON SIG			
n u	9 >	GROUND I FD+			
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< ECU DIAGNOSIS INFORMATION >

BCM (BODY CONTROL MODULE)

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VALUES ON THE DIAGNOSIS TOOL

NOTE:

The following table includes information (items) inapplicable to this vehicle. For information (items) applicable to this vehicle, refer to CONSULT display items.

CONSULT MONITOR ITEM

Monitor Item	Condition	Value/Status
FR WIPER HI	Other than front wiper switch HI	Off
FR WIPER HI	Front wiper switch HI	On
FR WIPER LOW	Other than front wiper switch LO	Off
-R WIPER LOW	Front wiper switch LO	On
FR WASHER SW	Front washer switch OFF	Off
-K WASHER SW	Front washer switch ON	On
R WIPER INT	Other than front wiper switch INT/AUTO	Off
-K WIFEK INT	Front wiper switch INT/AUTO	On
ED WIDED STOD	Front wiper is not in STOP position	Off
FR WIPER STOP	Front wiper is in STOP position	On
NT VOLUME	Wiper volume dial is in a dial position 1 - 7	Wiper volume dial position
RR WIPER ON	Other than rear wiper switch ON	Off
VIV WIF LIX ON	Rear wiper switch ON	On
RR WIPER INT	Other than rear wiper switch INT	Off
XIX WIF LIX IIVI	Rear wiper switch INT	On
RR WASHER SW	Rear washer switch OFF	Off
KK WASHER SW	Rear washer switch ON	On
RR WIPER STOP	Rear wiper is in STOP position	Off
KK WIFEK STOP	Rear wiper is not in STOP position	On
URN SIGNAL R	Other than turn signal switch RH	Off
TORN SIGNAL IX	Turn signal switch RH	On
TURN SIGNAL L	Other than turn signal switch LH	Off
TORN SIGNAL L	Turn signal switch LH	On
TAIL LAMP SW	Other than lighting switch 1ST and 2ND	Off
TAIL LAIVIE SVV	Lighting switch 1ST or 2ND	On
HI BEAM SW	Other than lighting switch HI	Off
II DEAW OW	Lighting switch HI	On
HEAD LAMP SW 1	Other than lighting switch 2ND	Off
ILAD LAIVII' SVV I	Lighting switch 2ND	On
HEAD LAMP SW 2	Other than lighting switch 2ND	Off
ILAD LAIVIT 3VV Z	Lighting switch 2ND	On
DASSING SIM	Other than lighting switch PASS	Off
PASSING SW	Lighting switch PASS	On
NITO LIGHT SW	Other than lighting switch AUTO	Off
AUTO LIGHT SW	Lighting switch AUTO	On

Monitor Item	Condition	Value/Status
FR FOG SW	Front fog lamp switch OFF	Off
FR FOG SW	Front fog lamp switch ON	On
RR FOG SW	NOTE: The item is indicated, but not monitored.	Off
DOOD SW DD	Driver door closed	Off
DOOR SW-DR	Driver door opened	On
	Passenger door closed	Off
DOOR SW-AS	Passenger door opened	On
DOOD SW DD	Rear RH door closed	Off
DOOR SW-RR	Rear RH door opened	On
DOOD SW DI	Rear LH door closed	Off
DOOR SW-RL	Rear LH door opened	On
	Back door closed	Off
DOOR SW-BK	Back door opened	On
	Other than power door lock switch LOCK	Off
CDL LOCK SW	Power door lock switch LOCK	On
	Other than power door lock switch UNLOCK	Off
CDL UNLOCK SW	Power door lock switch UNLOCK	On
KEY CYL LK-SW	Other than driver door key cylinder LOCK position	Off
	Driver door key cylinder LOCK position	On
	Other than driver door key cylinder UNLOCK position	Off
KEY CYL UN-SW	Driver door key cylinder UNLOCK position	On
KEY CYL SW-TR	NOTE: The item is indicated, but not monitored.	Off
	Hazard switch is OFF	Off
HAZARD SW	Hazard switch is ON	On
REAR DEF SW	NOTE: The item is indicated, but not monitored.	Off
TR CANCEL SW	NOTE: The item is indicated, but not monitored.	Off
	Back door opener switch OFF	Off
TR/BD OPEN SW	While the back door opener switch is turned ON	On
TRNK/HAT MNTR	NOTE: The item is indicated, but not monitored.	Off
REVERSE SW	NOTE: The item is indicated, but not monitored.	Off
	LOCK button of the Intelligent Key is not pressed	Off
RKE-LOCK	LOCK button of the Intelligent Key is pressed	On
DIVE LINII OOK	UNLOCK button of the Intelligent Key is not pressed	Off
RKE-UNLOCK	UNLOCK button of the Intelligent Key is pressed	On
RKE-TR/BD	NOTE: The item is indicated, but not monitored.	Off
DICE DANIC	PANIC button of the Intelligent Key is not pressed	Off
RKE-PANIC	PANIC button of the Intelligent Key is pressed	On
DIVE DAY COST:	UNLOCK button of the Intelligent Key is not pressed	Off
RKE-P/W OPEN	UNLOCK button of the Intelligent Key is pressed and held	On

Monitor Item	Condition	Value/Status			
RKE-MODE CHG	LOCK/UNLOCK button of the Intelligent Key is not pressed and held simultaneously	Off			
	LOCK/UNLOCK button of the Intelligent Key is pressed and held simultaneously	On			
ODTICAL CENCOR	Bright outside of the vehicle	Close to 5 V			
OPTICAL SENSOR	Dark outside of the vehicle	Close to 0 V			
	Driver door request switch is not pressed	Off			
REQ SW -DR	Driver door request switch is pressed	On			
DEC 014/ 40	Passenger door request switch is not pressed	Off			
REQ SW -AS	Passenger door request switch is pressed	On			
REQ SW -RR	NOTE: The item is indicated, but not monitored.	Off			
REQ SW -RL	NOTE: The item is indicated, but not monitored.	Off			
DEC 0111 DE ED	Back door request switch is not pressed	Off			
REQ SW -BD/TR	Back door request switch is pressed	On			
DUCLI OM	Push-button ignition switch (push switch) is not pressed	Off			
PUSH SW	Push-button ignition switch (push switch) is pressed	On			
IGN RLY2 -F/B	NOTE:				
ACC RLY -F/B	NOTE: The item is indicated, but not monitored.	Off			
CLUCH SW	NOTE: The item is indicated, but not monitored.	Off			
DDAKE OW 4	The brake pedal is depressed when No. 7 fuse is blown	Off			
BRAKE SW 1	The brake pedal is not depressed when No. 7 fuse is blown, or No. 7 fuse is normal	On			
DDAKE OM O	The brake pedal is not depressed	Off			
BRAKE SW 2 The brake pedal is depressed		On			
DETERMANCE CVA	Selector lever in P position	Off			
DETE/CANCL SW	Selector lever in any position other than P	On			
CET DAI/ALOVA/	Selector lever in any position other than P and N	Off			
SFT PN/N SW	Selector lever in P or N position	On			
S/L -LOCK	NOTE: The item is indicated but not monitored.	Off			
S/L -UNLOCK	NOTE: The item is indicated but not monitored.	Off			
S/L RELAY-F/B	NOTE: The item is indicated but not monitored.	Off			
LINIL K OEN. DE	Driver door is unlocked	Off			
UNLK SEN -DR	Driver door is locked	On			
DI 1011 0111 122-	Push-button ignition switch (push-switch) is not pressed	Off			
PUSH SW -IPDM	Push-button ignition switch (push-switch) is pressed	On			
1011 511/4 5/5	Ignition switch in OFF or ACC position	Off			
IGN RLY1 -F/B	Ignition switch in ON position	On			
	Selector lever in any position other than P	Off			
DETE SW -IPDM	Selector lever in P position	On			
	Selector lever in any position other than P and N	Off			
SFT PN -IPDM	Selector lever in P or N position	On			

Monitor Item	Condition	Value/Status
CET D MET	Selector lever in any position other than P	Off
SFT P -MET	Selector lever in P position	On
DET N. MET	Selector lever in any position other than N	Off
SFT N -MET	Selector lever in N position	On
	Engine stopped	Stop
NOINE OTATE	While the engine stalls	Stall
ENGINE STATE	At engine cranking	Crank
	Engine running	Run
S/L LOCK-IPDM	NOTE: The item is indicated but not monitored.	Off
S/L UNLK-IPDM	NOTE: The item is indicated but not monitored.	Off
S/L RELAY-REQ	NOTE: The item is indicated but not monitored.	Off
/EH SPEED 1	While driving	Equivalent to speed- ometer reading
/EH SPEED 2	While driving	Equivalent to speed- ometer reading
	Driver door is locked	LOCK
DOOR STAT-DR	Wait with selective UNLOCK operation (5 seconds)	READY
	Driver door is unlocked	UNLOCK
DOOR STAT-AS	Passenger door is locked	LOCK
	Wait with selective UNLOCK operation (5 seconds)	READY
	Passenger door is unlocked	UNLOCK
D OK FLAG	Driver side door is open after ignition switch is turned OFF (Selector lever is in the P position)	Reset
	Ignition switch ON	Set
PRMT ENG STRT	The engine start is prohibited	Reset
RWI ENG STRT	The engine start is permitted	Set
PRMT RKE STRT	NOTE: The item is indicated, but not monitored.	Reset
VEV OW OLOT	The Intelligent Key is not inserted into key slot	Off
(EY SW -SLOT	The Intelligent Key is inserted into key slot	On
RKE OPE COUN1	During the operation of the Intelligent Key	Operation frequency of the Intelligent Key
RKE OPE COUN2	NOTE: The item is indicated, but not monitored.	_
CONFRM ID ALL	The key ID that the key slot receives is not recognized by any key ID registered to BCM.	Yet
	The key ID that the key slot receives accords with any key ID registered to BCM.	Done
CONFIDM ID4	The key ID that the key slot receives is not recognized by the fourth key ID registered to BCM.	Yet
CONFIRM ID4	The key ID that the key slot receives is recognized by the fourth key ID registered to BCM.	Done
CONFIRM ID3	The key ID that the key slot receives is not recognized by the third key ID registered to BCM.	Yet
JOINI IIVIVI IDJ	The key ID that the key slot receives is recognized by the third key ID registered to BCM.	Done

< ECU DIAGNOSIS INFORMATION >

Monitor Item	Condition	Value/Status
CONFIRM ID2	The key ID that the key slot receives is not recognized by the second key ID registered to BCM.	Yet
CONTINUID2	The key ID that the key slot receives is recognized by the second key ID registered to BCM.	Done
CONFIRM ID1	The key ID that the key slot receives is not recognized by the first key ID registered to BCM.	Yet
CON INWIDI	The key ID that the key slot receives is recognized by the first key ID registered to BCM.	Done
TP 4	The ID of fourth Intelligent Key is not registered to BCM	Yet
16 4	The ID of fourth Intelligent Key is registered to BCM	Done
TP 3	The ID of third Intelligent Key is not registered to BCM	Yet
11-3	The ID of third Intelligent Key is registered to BCM	Done
TP 2	The ID of second Intelligent Key is not registered to BCM	Yet
17 2	The ID of second Intelligent Key is registered to BCM	Done
TP 1	The ID of first Intelligent Key is not registered to BCM	Yet
IF I	The ID of first Intelligent Key is registered to BCM	Done

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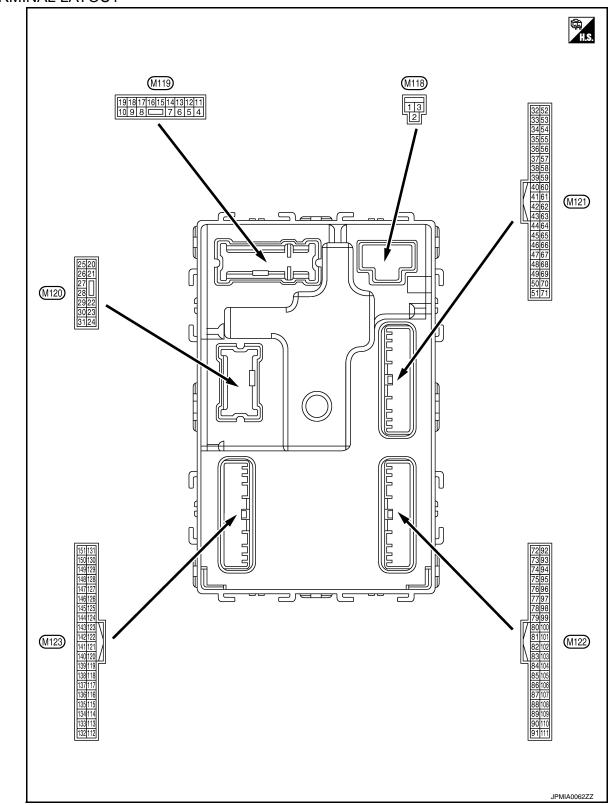
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TERMINAL LAYOUT



PHYSICAL VALUES

ound ound ound ound	Signal name Battery power supply P/W power supply (BAT) P/W power supply (IGN) Interior room lamp power supply Passenger door UN-LOCK Step lamp control All doors, fuel lid LOCK	Input/Output Output Output Output Output Output Output	Ignition switch OF Ignition switch OF Ignition switch ON Interior room lamp (Cuts the interior of Interior room lamp ed.	F	Value (Approx.) Battery voltage 12 V 12 V 0 V 12 V 12 V 12 V 12 V 12 V		
ound ound ound ound ound	P/W power supply (BAT) P/W power supply (IGN) Interior room lamp power supply Passenger door UN-LOCK Step lamp control All doors, fuel lid	Output Output Output Output	Ignition switch OF Ignition switch ON Interior room lamp (Cuts the interior of Interior room lamp ed. (Outputs the interior ply) Passenger door Step lamp	b battery saver is activated. room lamp power supply) b battery saver is not activation room lamp power sup- UNLOCK (Actuator is activated) Other than UNLOCK (Actuator is not activated) ON OFF LOCK (Actuator is activated)	12 V 12 V 0 V 12 V 0 V 12 V 0 V 12 V		
ound ound ound ound	(BAT) P/W power supply (IGN) Interior room lamp power supply Passenger door UN-LOCK Step lamp control All doors, fuel lid	Output Output Output	Ignition switch ON Interior room lamp (Cuts the interior room lamp ed. (Outputs the interior ply) Passenger door Step lamp	o battery saver is activated. room lamp power supply) b battery saver is not activatior room lamp power sup- UNLOCK (Actuator is activated) Other than UNLOCK (Actuator is not activated) ON OFF LOCK (Actuator is activated)	12 V 0 V 12 V 0 V 0 V 0 V 0 V 12 V		
ound ound ound	Interior room lamp power supply Passenger door UN-LOCK Step lamp control All doors, fuel lid	Output	Interior room lamp (Cuts the interior of Interior room lamp ed. (Outputs the interior) Passenger door	b battery saver is activated. room lamp power supply) b battery saver is not activation room lamp power sup- UNLOCK (Actuator is activated) Other than UNLOCK (Actuator is not activated) ON OFF LOCK (Actuator is activated)	0 V 12 V 12 V 0 V 0 V 12 V		
ound	Passenger door UN-LOCK Step lamp control All doors, fuel lid	Output	(Cuts the interior of Interior room lamped. (Outputs the interply) Passenger door Step lamp	obattery saver is not activation room lamp power sup- UNLOCK (Actuator is activated) Other than UNLOCK (Actuator is not activated) ON OFF LOCK (Actuator is activated)	12 V 12 V 0 V 0 V 12 V		
ound	Passenger door UN-LOCK Step lamp control All doors, fuel lid	Output	ed. (Outputs the interply) Passenger door Step lamp	UNLOCK (Actuator is activated) Other than UNLOCK (Actuator is not activated) ON OFF LOCK (Actuator is activated)	12 V 0 V 0 V 12 V		
ound	Step lamp control All doors, fuel lid	Output	Step lamp	(Actuator is activated) Other than UNLOCK (Actuator is not activated) ON OFF LOCK (Actuator is activated)	0 V 0 V 12 V		
ound	Step lamp control All doors, fuel lid	Output	Step lamp	(Actuator is not activated) ON OFF LOCK (Actuator is activated)	0 V 12 V		
	All doors, fuel lid	•		OFF LOCK (Actuator is activated)	12 V		
	All doors, fuel lid	•		LOCK (Actuator is activated)			
ound		Output	All doors, fuel lid	(Actuator is activated)	12 V		
	LUCK		,	Other than LOCK			
LOCK	LOCK	LOOK			(Actuator is not activated)	0 V	
ound	Driver door, fuel lid			Output	Driver door, fuel	UNLOCK (Actuator is activated)	12 V
ourid	UNLOCK	Output	lid	Other than UNLOCK (Actuator is not activated)	0 V		
ound	Rear RH door and rear LH door UN-	Output	Rear RH door	UNLOCK (Actuator is activated)	12 V		
	LOCK	Output	and rear LH door	Other than UNLOCK (Actuator is not activated)	0 V		
ound	Battery power supply	Input	Ignition switch OF	F	Battery voltage		
ound	Ground	_	Ignition switch ON	1	0 V		
ound	ACC indicator lamp	Output	Ignition switch	OFF (LOCK indicator is not illuminated)	Battery voltage		
				ACC or ON	0 V		
				Turn signal switch OFF	0 V		
ound	Turn signal RH (Front)	Output	Ignition switch ON	Turn signal switch RH	(V) 15 10 5 0		
ou	and and	LOCK Ind Battery power supply Ind Ground ACC indicator lamp Turn signal RH	LOCK Ind Battery power supply Input Ind Ground — Ind ACC indicator lamp Output Turn signal RH Output	and rear LH door UN-LOCK Ind Battery power supply Input Ignition switch OF Ind Ground — Ignition switch ON Ind ACC indicator lamp Output Ignition switch Turn signal RH Output Ignition switch	Turn signal RH Output Indicator lamp Indicat		

	nal No.	Description				Value
+ (VVire	color)	Signal name	Input/ Output		Condition	(Approx.)
			-		Turn signal switch OFF	0 V
18 (BG)	Ground	Turn signal LH (Front)	Output	Ignition switch ON	Turn signal switch LH	(V) 15 10 5 0 1 s PKID0926E 6.5 V
				Other than under	condition	5.0 V
19 (SB)	Ground	Interior room lamp control	Output	(Door is unlock	mp timer is activated. ed. etc) function is activated.	0 V
					Turn signal switch OFF	0 V
20 (V)	Ground	Turn signal RH (Rear)	Output	Ignition switch ON	Turn signal switch RH	(V) 15 10 5 0 1 s PKID0926E 6.5 V
					Turn signal switch OFF	0 V
25 (G)	Ground	Turn signal LH (Rear)	Output	Ignition switch ON	Turn signal switch LH	(V) 15 10 5 0 1 s PKID0926E 6.5 V
26 (P)	Ground	Rear wiper	Output	Rear wiper	OFF (Stopped)	0 V
(F)					ON (Operated)	12 V
34	Ground	Luggage room anten-	Output	Ignition switch	When Intelligent Key is in the passenger compart- ment	(V) 15 10 5 0 1 s JMKIA0062GB
(SB)	34 (SB) Ground	und language room anten	Output	OFF	When Intelligent Key is not in the passenger compartment	(V) 15 10 5 0 JMKIA0063GB

(Mire color)		Description				Value	
+	e color)	Signal name	Input/ Output		Condition	(Approx.)	
35	Constant	Luggage room anten-	0.4.4	Ignition switch	When Intelligent Key is in the passenger compart- ment	(V) 15 10 5 0 1 s JMKIA0062GB	
(V)	Ground	na (+)	Output OFF When Intelligent Key	Output OFF	When Intelligent Key is not in the passenger compartment	(V) 15 10 5 0 1 s JMKIA0063GB	
38	Constitution	Back door antenna (–	0.45	When the back door opener re-	When Intelligent Key is in the antenna detection area	(V) 15 10 1 1 1 1 1 1 1 1 1 1	
(B)	Ground)	operated with ignition switch OFF When Intelligent Key	out quest switch is operated with ignition switch	operated with ig- nition switch OFF	When Intelligent Key is not in the antenna detection area	(V) 15 10 1
39	Ground	Back door antenna	Output	When the back door opener request switch is	When Intelligent Key is in the antenna detection area	(V) 15 10 5 0 JMKIA0062GB	
(W)	Giound	(+)	Output	quest switch is operated with ig- nition switch OFF	When Intelligent Key is not in the antenna detection area	(V) 15 10 5 0 1 s JMKIA0063GB	
47 (Y)	Ground	Ignition relay (IPDM E/R) control	Output	Ignition switch	OFF or ACC	12 V 0 V	

+	color)				O a saliti a sa	Value
	_	Signal name	Input/ Output		Condition	(Approx.)
52	Ground	Starter relay control	Output	Ignition switch	When selector lever is in P or N position	12 V
(LG)	Giodila	Starter relay control	Output	ON	When selector lever is not in P or N position	0 V
60		Push-button ignition		Push-button ig-	Pressed	0 V
(SB)	Ground	switch (Push switch)	Input	nition switch (Push switch)	Not pressed	12 V
					ON (Pressed)	0 V
61 (W)	Ground	Back door opener request switch	Input	Back door request switch	OFF (Not pressed)	(V) 15 10 5 0 10 ms JPMIA0016GB 1.0 V
64		Intelligent Key warn-		Intelligent Key	Sounding	0 V
(L)	Ground	ing buzzer (Engine room)	Output	warning buzzer (Engine room)	Not sounding	12 V
65 (BG)	Ground	Rear wiper stop position	Input	Rear wiper	In stop position	(V) 15 0 5 0 10 ms JPMIA0016GB
					Not in stop position	0 V
66	Ground	Back door switch	Input	Back door switch	OFF (Door close)	12 V
(LG)	0.00				ON (Door open)	0 V
					Pressed	0 V
67 (P)	Ground	Back door opener switch	Input	Back door open- er switch	Not pressed	(V) 15 10 5 0 JPMIA0594GB 8.5 - 9.0 V
68 (BR)	Ground	Rear RH door switch	Input	Rear RH door switch	OFF (Door close) ON (Door open)	(V) 15 10 JPMIA0594GB 8.5 - 9.0 V 0 V

	nal No. color)	Description	1		Condition	Value			
+		Signal name	Input/ Output		Condition	(Approx.)			
69 (R)	Ground	Rear LH door switch	Input	Rear LH door switch	OFF (Door close)	(V) ₁₅ 10 5 0			
					ON (Deer even)	8.5 - 9.0 V			
					ON (Door open)	0 V			
						When the pas-	When Intelligent Key is in the antenna detection area	(V) 15 10 5 0 1 s JMKIA0062GB	
74 (SB)		Output	senger door request switch is						
						operated with ig- nition switch OFF	nition switch	When Intelligent Key is not in the antenna detection area	(V) 15 10 5 0
						JMKIA0063GB			
					When Intelligent Key is in the antenna detection area	(V) 15 10 5 0			
			When the pas- senger door re-						
75 (BR)	75 Ground Passenger door antenna (+)	Output	senger door re- quest switch is operated with ig- nition switch OFF		(V) _[
				When Intelligent Key is not in the antenna detection area	15 10 5 0				
						JMKIA0063GB			

	inal No. e color)	Description	ı		0 199	Value
+	-	Signal name	Input/ Output		Condition	(Approx.)
76		Driver door antenna		When the driver door request	When Intelligent Key is in the antenna detection area	(V) 15 10 5 0 1 s JMKIA0062GB
(V)	Ground	(-)	Output	switch is operated with ignition switch OFF	When Intelligent Key is not in the antenna detection area	(V) 15 10 5 0 JMKIA0063GB
77	Ground	Driver door antenna	Output	When the driver door request	When Intelligent Key is in the antenna detection area	(V) 15 10 5 0 JMKIA0062GB
(LG)	Sidana	(+)	Suipui	switch is operated with ignition switch OFF	When Intelligent Key is not in the antenna detection area	(V) 15 10 5 0 1 s JMKIA0063GB
78	Ground	Room antenna (–)	Output	Ignition switch	When Intelligent Key is in the passenger compart- ment	(V) 15 10 5 0 1 s JMKIA0062GB
(Y)	(Y) Ground	(Instrument panel)	Output	ŎFF	When Intelligent Key is not in the passenger compartment	(V) 15 10 5 0 1 s JMKIA0063GB

< ECU DIAGNOSIS INFORMATION >

inal No.	Description				Value	
e color)	Signal name	Input/ Output		Condition	(Approx.)	
	Room antenna (+)		lanition switch	When Intelligent Key is in the passenger compartment	(V) 15 10 5 0 1 s JMKIA0062GB	
Ground	(Instrument panel)	Output	ŎFF	When Intelligent Key is not in the passenger compartment	(V) 15 10 5 0 1 s JMKIA0063GB	
Ground	NATS antenna amp.	Input/ Output	During waiting	Ignition switch is pressed while inserting the Intelligent Key into the key slot.	Just after pressing ignition switch. Pointer of tester should move.	
Ground	NATS antenna amp.	Input/ Output	During waiting	Ignition switch is pressed while inserting the Intelligent Key into the key slot.	Just after pressing ignition switch. Pointer of tester should move.	
Ground	Ignition relay [Fuse block (J/B)] control	Output	Ignition switch	OFF or ACC	0 V 12 V	
Const	Remote keyless entry	Input/	During waiting		(V) 15 10 5 1 ms 1 ms	
Ground receiver communica IIIP	Output	When operating gent Key	either button on the Intelli-	(V) 15 10 5 0 1 ms JMKIA0065GB		
	Ground Ground Ground	Ground Room antenna (+) (Instrument panel) Ground NATS antenna amp. Ground Ignition relay [Fuse block (J/B)] control Remote keyless entry receiver communica-	Ground Room antenna (+) (Instrument panel) Ground NATS antenna amp. Input/Output Ground NATS antenna amp. Input/Output Ground Ignition relay [Fuse block (J/B)] control Ground Remote keyless entry receiver communica-Output	Ground Room antenna (+) (Instrument panel) Output Ignition switch OFF Ground NATS antenna amp. Input/ Output Output Output Ignition switch OFF Ground NATS antenna amp. Input/ Output During waiting Output Ignition switch Other Ignition switch Output Ignition switch Input/ Output Ignition switch Input/ Output Ignition switch Input/ Output Ignition switch Output Ignition switch Output Ignition switch Output Input/ Outpu	Signal name Input/Output When Intelligent Key is in the passenger compartment	

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	nal No.	Description				Value
+ (Wire	color)	Signal name	Input/ Output		Condition	(Approx.)
					All switches OFF (Wiper volume dial 4)	(V) 15 10 5 0 2 ms JPMIA0041GB 1.4 V
87	Ground	Combination switch	Input	Combination	Front fog lamp switch ON (Wiper volume dial 4)	(V) 15 10 5 0 2 ms JPMIA0037GB 1.3 V
(BR)		INFOT 3		switch	Rear wiper switch ON (Wiper volume dial 4)	(V) 15 10 5 0 2 ms JPMIA0039GB 1.3 V
					Any of the conditions below with all switches OFF Wiper volume dial 1 Wiper volume dial 2 Wiper volume dial 6 Wiper volume dial 7	(V) 15 10 5 0 2 ms JPMIA0040GB

	inal No.	Description	-		0 1111	Value
+	e color)	Signal name	Input/ Output	Condition		(Approx.)
					All switches OFF (Wiper volume dial 4)	(V) 15 10 5 0 2 ms JPMIA0041GB 1.4 V
					Lighting switch HI (Wiper volume dial 4)	(V) 15 10 5 0 2 ms JPMIA0036GB 1.3 V
88 (V) Gro	Ground	Combination switch INPUT 3 Input	Input	Combination switch	Lighting switch 2ND (Wiper volume dial 4)	(V) 15 10 5 0 2 ms JPMIA0037GB 1.3 V
				Rear washer switch ON (Wiper volume dial 4)	(V) 15 10 5 0 2 ms JPMIA0039GB 1.3 V	
					Any of the conditions below with all switches OFF Wiper volume dial 1 Wiper volume dial 2 Wiper volume dial 3	(V) 15 10 5 0 2_ms JPMIA0040GB 1.3 V
90 (P)	Ground	CAN-L	Input/ Output		_	-
91 (L)	Ground	CAN-H	Input/ Output		_	_

	inal No.	Description				Value
+ (Wire	e color)	Signal name	Input/ Output		Condition	(Approx.)
					OFF	12 V
92 (LG)	Ground	Key slot illumination	Output	Key slot illumina- tion	Blinking	(V) 15 10 5 0 1 s JPMIA0015GB
					ON	0 V
93 (V)	Ground	ON indicator lamp	Output	Ignition switch	OFF (LOCK indicator is not illuminated)	Battery voltage
					ON or ACC	0 V
95	Ground	ACC relay control	Output	Ignition switch	OFF	0 V
(BG)					ACC or ON	12 V
96 (GR)	Ground	A/T shift selector (Detention switch) power supply	Output	_		12 V
99	Ground	Selector lever P posi-	Input	Selector lever	P position	0 V
(R)	Ground	tion switch	Input	Selector level	Any position other than P	12 V
					ON (Pressed)	0 V
100 (G)	Ground	Passenger door request switch	Input	Passenger door request switch	OFF (Not pressed)	(V) 15 10 5 0 10 ms JPMIA0016GB
					ON (Pressed)	0 V
101 (SB)	Ground	Driver door request switch	Input	Driver door request switch	OFF (Not pressed)	(V) 15 10 5 0 10 ms JPMIA0016GB 1.0 V
102	Ground	Blower fan motor re-	Output	Ignition switch	OFF or ACC	0 V
(BG)		lay control			ON	12 V
103 (BR)	Ground	Remote keyless entry receiver power supply	Output	Ignition switch OFF		12 V

(Wire co	JUIUI I	Description		One differen		Value	
	_	Signal name	Input/ Output		Condition	(Approx.)	
					All switches OFF	(V) 15 10 5 0 2 ms JPMIA0041GB 1.4 V	
					Turn signal switch LH	(V) 15 10 5 0 2 ms JPMIA0037GB 1.3 V	
107 (LG)	Ground	Combination switch INPUT 1	Input	Combination switch (Wiper volume dial 4)	Turn signal switch RH	(V) 15 10 5 0 2 ms JPMIA0036GB 1.3 V	
				Front wiper switch LO	(V) 15 10 5 0 2 ms JPMIA0038GB		
					Front washer switch ON	(V) 15 10 5 0 2 ms JPMIA0039GB 1.3 V	

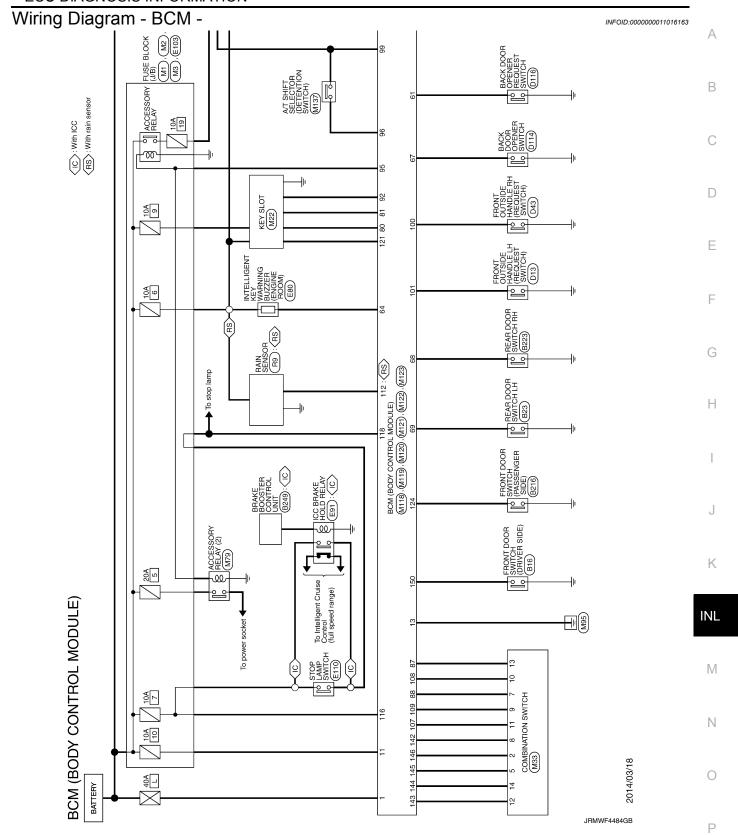
	nal No.	Description				Value
(Wire	color)	Signal name	Input/ Output	Condition		(Approx.)
					All switches OFF (Wiper volume dial 4)	(V) 15 10 5 0 2 ms JPMIA0041GB
	108 (R) Ground Combination switch Input Input Switch	Lighting switch AUTO (Wiper volume dial 4)	(V) 15 10 5 0 2 ms JPMIA0038GB			
		Lighting switch 1ST (Wiper volume dial 4)	(V) 15 10 5 0 2 ms JPMIA0036GB			
					Rear wiper switch INT (Wiper volume dial 4)	(V) 15 10 5 0 2 ms JPMIA0040GB
				Any of the conditions below with all switches OFF Wiper volume dial 1 Wiper volume dial 5 Wiper volume dial 6	(V) 15 10 5 0 2 ms JPMIA0039GB	

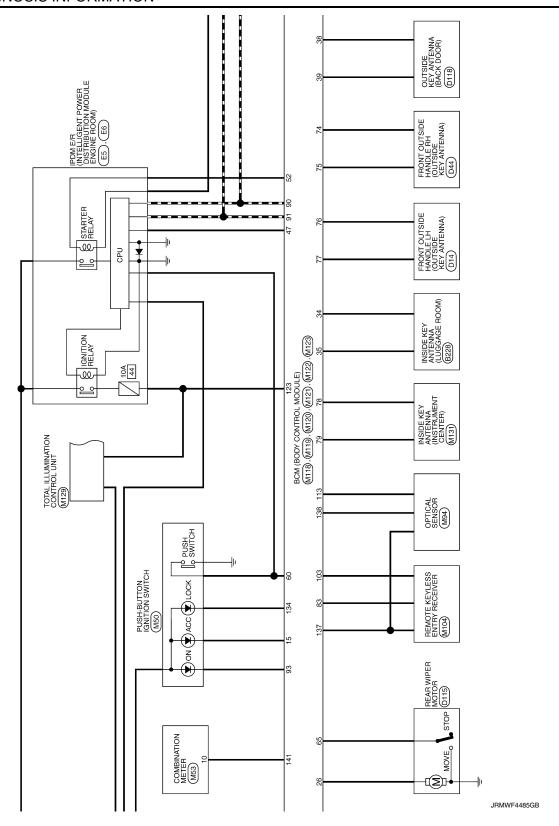
Terminal No. (Wire color)		Description				Value	
(Wire	e color)	Signal name	Input/ Output		Condition	(Approx.)	
					All switches OFF	(V) 15 10 5 0 2 ms JPMIA0041GB	
					Lighting switch PASS	(V) 15 10 5 0 2 ms JPMIA0037GB	
109 (Y) G	Ground	Combination switch INPUT 2	Input	Combination switch (Wiper volume dial 4)	Lighting switch 2ND	(V) 15 10 5 0 2 ms JPMIA0036GB	
					Front wiper switch INT/ AUTO	(V) 15 10 5 0 2 ms JPMIA0038GB	
					Front wiper switch HI	(V) 15 10 5 0 2 ms JPMIA0040GB 1.3 V	
					ON	0 V	
110 (G)	Ground	Hazard switch	Input	Hazard switch	OFF	(V) 15 10 5 0 10 ms JPMIA0012GB 1.1 V	

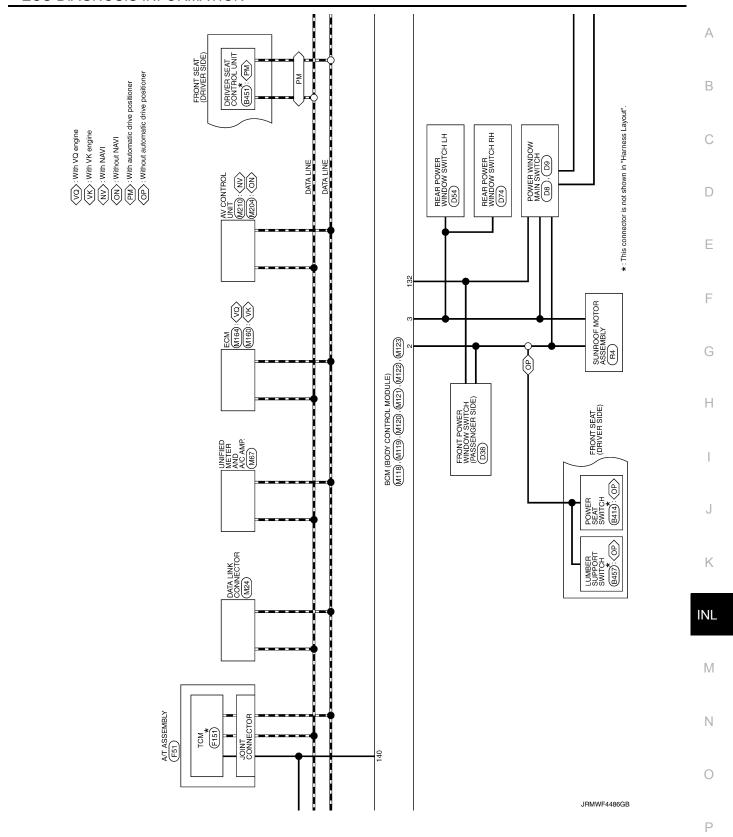
	nal No.	Description				Value
+ (VVire	color)	Signal name	Input/ Output		Condition	(Approx.)
112 (GR)	Ground	Rain sensor serial link	Input/ Output	Ignition switch ON		(V) 15 10 5 0 10ms JPMIA0156GB 8.7 V
113	Ground	Optical sensor	Input	Ignition switch	When bright outside of the vehicle	Close to 5 V
(P)	Giouna	Optical serisor	Прис	ON	When dark outside of the vehicle	Close to 0 V
116 (BR)	Ground	Stop lamp switch 1	Input		_	Battery voltage
		Stop lamp switch 2		Stop lamp switch	OFF (Brake pedal is not depressed)	0 V
118	Ground	(Without ICC)	Input		ON (Brake pedal is depressed)	Battery voltage
(P)	Ordana	Stop lamp switch 2	mpat	Stop lamp switch pressed) and ICC	OFF (Brake pedal is not debrake hold relay OFF	0 V
		(With ICC)			ON (Brake pedal is de- brake hold relay ON	Battery voltage
119 (SB)	Ground	Front door lock assembly driver side (Unlock sensor)	Input	Driver door	LOCK status (Unlock sensor switch OFF)	(V) ₁₅ 10 5 0 ++10ms JPMIA0594GB 8.5 - 9.0 V
					UNLOCK status (Unlock switch sensor ON)	0 V
121 (BR)	Ground	Key slot switch	Input	slot	ent Key is inserted into key	12 V
(BK)				When the Intellige key slot	ent Key is not inserted into	0 V
123 (W)	Ground	IGN feedback	Input	Ignition switch	OFF or ACC	0 V Battery voltage
124 (LG)	Ground	Ground Passenger door switch	Input	Passenger door switch	OFF (Door close)	(V) ₁₅ 10 5 0 ++10ms
						JPMIA0594GB 8.5 - 9.0 V
					ON (Door open)	0 V

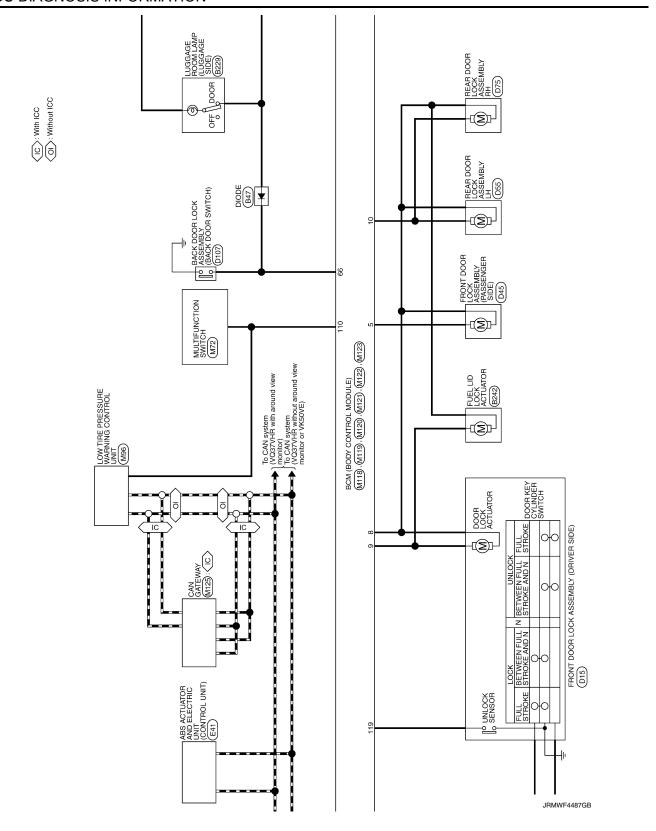
Terminal No. (Wire color)		Description				Value	Λ
(Wire	color)	Signal name	Input/ Output		Condition	(Approx.)	Α
132 (BG)	Ground	Power window switch communication	Input/ Output	Ignition switch ON		(V) 15 10 5 0 10 ms JPMIA0013GB	В С
				Ignition switch OF		12 V	
134 (GR)	Ground	LOCK indicator lamp	Output	LOCK indicator lamp	OFF	Battery voltage	Е
137		Receiver and sensor			ON	0 V	
(B)	Ground	ground	Input	Ignition switch Of	N	0 V	F
138	Ground	Sensor power supply	Output	Ignition switch	OFF	0 V	
(Y)	Ground	Gensor power supply	Output	ignition switch	ACC or ON	5.0 V	
140	Ground	Selector lever P/N	Input	Selector lever	P or N position	12 V	G
(R)	2.300	position			Except P and N positions	0 V	
					ON	0 V	Н
141 (G)	Ground	Security indicator lamp	Output	Security indicator lamp	Blinking	(V) 15 10 5 0 11.3 V	J
					OFF	12 V	Κ
					All switches OFF	0 V	
					Lighting switch 1ST	(V)	NL
				Combination	Lighting switch HI	15	ΝL
142 (BG)	Ground	Combination switch OUTPUT 5	Output	switch (Wiper volume dial 4)	Lighting switch 2ND Turn signal switch RH	5 0 2 ms	M
						JPMIA0031GB 10.7 V	Ν
					All switches OFF (Wiper volume dial 4)	0 V	
					Front wiper switch HI (Wiper volume dial 4)		0
143	Ground	Combination switch	Output	Combination	Rear wiper switch INT (Wiper volume dial 4)	(V) 15 10	Р
(P)	Ground	OUTPUT 1	Output	switch	Any of the conditions below with all switches OFF Wiper volume dial 1 Wiper volume dial 2 Wiper volume dial 3 Wiper volume dial 6 Wiper volume dial 7	5 0 JPMIA0032GB 10.7 V	

	inal No.	Description				Value
+ (vvire	e color)	Signal name	Input/ Output		Condition	(Approx.)
					All switches OFF (Wiper volume dial 4)	0 V
					Front washer switch ON (Wiper volume dial 4)	
144		Combination switch		Combination	Rear wiper switch ON (Wiper volume dial 4)	(V) 15
(G)	Ground	OUTPUT 2	Output	switch	Rear washer switch ON (Wiper volume dial 4)	0
					Any of the conditions below with all switches OFF Wiper volume dial 1 Wiper volume dial 5 Wiper volume dial 6	
					All switches OFF	0 V
		Ground Combination switch OUTPUT 3		Combination switch (Wiper volume dial 4)	Front wiper switch INT/ AUTO Front wiper switch LO	(V)
145 (L)	Ground		Output		1 Tolk importantial 20	10 5
(=)					Lighting switch AUTO	2 ms
						JPMIA0034GB 10.7 V
					All switches OFF	0 V
					Front fog lamp switch ON	
		Combination switch OUTPUT 4		Combination	Lighting switch 2ND	(V) 15
146	Ground		Output	switch	Lighting switch PASS	10
(SB)				(Wiper volume dial 4)	Turn signal switch LH	JPMIA0035GB
150 (GR)	Ground	Driver door switch	Input	Driver door switch	OFF (Door close)	(V) ₁₅ 10 5 0 → 10ms JPMIA0594GB 8.5 - 9.0 V
					ON (Door open)	0 V
151	Ground	Rear window defog-	Output	Rear window de-	Active	0 V
(G)	2.300	ger relay control	Output	fogger	Not activated	Battery voltage



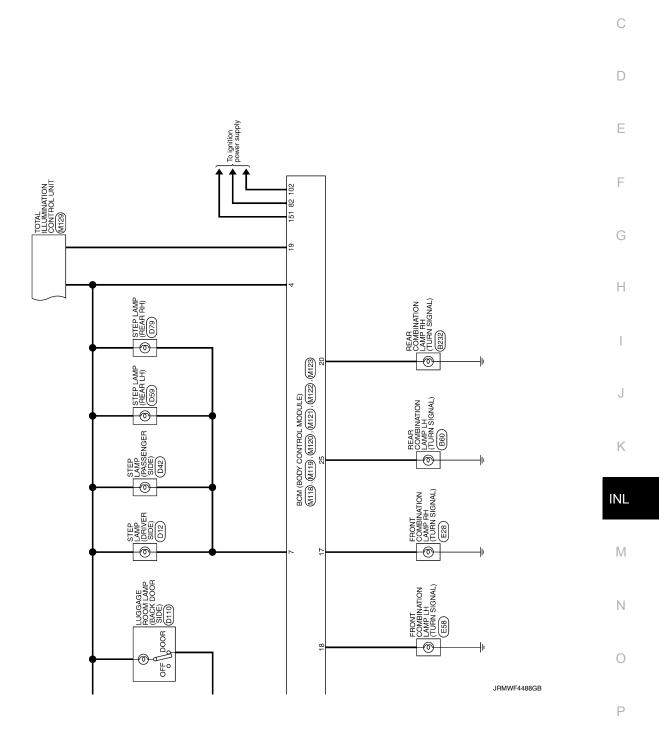


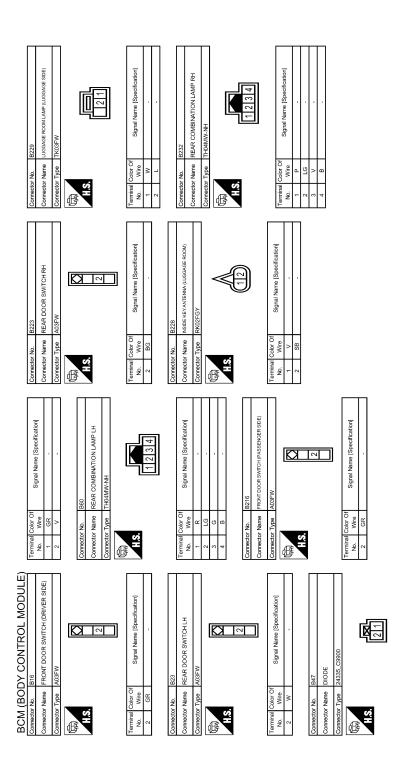




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< ECU DIAGNOSIS INFORMATION >

5 SB	Corrector No. D9	
19 V	Cornector No. B457	
Cornector No. 9414 Cornector Same Power SEAT SWITCH Cornector Type NS10PW-CS 4 3 6 5 10 9	Terminal Cody Of Signal Name (Specification) No. Wive No.	
BCM (BODY CONTROL MODULE) Corrector None FUEL LID LOCK ACTUATOR Corrector Type MOMPWLC H.S.	Terminal Color Of Signal Name Specification	
	JRMWF4490	GB

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Corrector No. D44 Corrector Name Invovious enjousse ray withinking Corrector Type RRKIZMGY H.S.	Terminal Color Of Signal Name (Specification) 2 W
Corrector No. D42 Corrector Name STEP LAMP (PASSENSER SIDE) Corrector Type TB02FW	Terminal Color Of Signal Name [Specification] 1
Corrector No. D15 Corrector Name FRONT DOOR LOCK ASSEMBLY (DRIVER SDE) Corrector Type ELGFGY-RS M.S. (1 2 3 4 5 6)	Terminal Color Of Signal Name Specification No. Wire Signal Name Specification No. Wire
BCM (BODY CONTROL MODULE) Corrector Name FRONT OUTSDE INNOTE LITTEROLEST SWITCH Corrector Type RK02FL-B (12)	Terminal Color Of Signal Name (Specification) 1

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Corrector No. D107 Corrector Name BACK DOOR LOCK ASSEMBLY Corrector Type INSOBEWICS H.S. 1 1 2 4 5 6 7 8	Terminal Color Of Signal Name Specification	
Corrector No. D75 Corrector Name REAR DOOR LOCK ASSEMBLY RH Corrector Type E06FGY-RS H.S.	Terminal Color Of Signal Name (Specification) Wire Wight Wig	
Connector No. D59 Connector Name STEP LAMP (REAR LH) Connector Type TB02FW H.S.	Comedication Color Of Signal Name (Specification) 1	
BCM (BODY CONTROL MODULE) Cornector No. D64 Cornector Name REAR POWER WINDOW SWITCH LH Cornector Type NSGRPW-CS A.S. P.	Terminal Color Of Signal Name Specification No. Wire Wire Signal Name Specification	
		JRMWF4492GB

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BCM (BODY CONTROL MODULE)	Commonlos No.	Commontes No.	Commondex Ma Profes
 -	Τ	Τ	COTHECTOR INC.
- &	Connector Name ICC BRAKE HOLD RELAY	Connector Name STOP LAMP SWITCH	Connector Name TCM
Ĭ	Connector Type M06FGY-R-US	Connector Type M04FW-LC	Connector Type SP10FG
O	4	4	4
Pl			●
SB	1HZ	Ī	
ж.	6 7 3	3 4	(1 2 3 4 5)
+		112	0,000
45 B BUS-H	4		0 0 0
- 1			
Connector No. E58	E S	ᇛ	<u>e</u>
Connector Name FRONT COMBINATION LAMP LH	NO. WILE	NO. WILE	1
- T		- 0	W IGNITION POWER SUPPLY
٦.	+	+	٥
	+	+	2 0
D. Athr	ł	┨	0
S	ł		OFING
_		Compare No EE4	<u> </u>
(3 4)			_ 6
	ı	Connector Name A/T ASSEMBLY	ν ,
	Connector No. E103		Y SIN
	Connector Name FUSE BLOCK (J/B)	Connector Type RK10FG-DGY	10 W/B GROUND
Terminal Color Of Signal Name [Specification]	-	₹	
$^{+}$	1	With the state of	Connector No.
2	4	1	
╀		(5 4 3 2 1)	Connector Name FUSE BLOCK (J/B)
H	64 44 54 24 14	(9 2 8 6 0 7)	Connector Type NS06FW-M2
	10° 9F 8F		d.
Connector No E80		Terminal Color Of	
		No. Wire Signal Name [Specification]	3A 2A 1A
Connector Name Intelligent Key Wakning Buzzek (Engine Room)	_	1 Y IGNITION POWER SUPPLY	0A 7A 6A 5A 4A
Connector Type RK03FBR	No. Wire Signal Marrie [Specification]	2 R BATTERY POWER SUPPLY (MEMORY BACK-UP)	TO NO
ά	\dashv	3 L CAN-H]
〈	-	>	
⊗	2F W -	Ф	na C
₹ -	3F Y	6 Y IGNITION POWER SUPPLY	
((1) 3)	+	7 R BACK-UP LAMP RELAY	1A BG .
	6F BG -	_	2A G -
	8F L -		3A L .
	9F R -	9 LG STARTER RELAY [With VK engine]	4A R
la I		10 B GROUND	5A V -
			\dashv
LG +BAT (VOL			7A R -
3 GR BUZZER SIGNAL			8A L

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Revision: 2015 February INL-177 2015 QX70

\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	- a	1			Connector Name COMBINATION METER	Connector Type TH40FW-NH	Į.	Auto	2	7.1 2.3 5.6 7 10 10 10 16	[7] [4] [4] [4] [4] [4] [4] [4] [4] [4] [4			Terminal Color Of Singl Nama (Specification)		1 BG BATTERY POWER SUPPLY	2 LG COMMUNICATION SIGNAL (METER->AMP.)	3 GR COMMUNICATION SIGNAL (AMP>METER)	5 B GROUND	6 W ALTERNATOR SIGNAL	7 P AIR BAG SIGNAL	10 G SECURITY INDICATOR SIGNAL	15 B GROUND	16 B METER CONTROL SWITCH GROUND	œ	BR	\ ≻	×	>	> :	88	g.	، ر	34 B ILLUMINATION CONTROL SIGNAL	2 6	+	7 6	1	40 BG ILLUMINATION CONTROL SWITCH SIGNAL (+)								
Connector No M33		Connector Name COMBINATION SWITCH	Connector Type TH16FW-NH			11031115	4 4 4	H C 7 1 1 0 6 0 7		Terminal Color Of Size Name Size Size	Wire	I P FR WASHER (-)		3 BG FR WASHER (+)	t G IGN	5 L OUTPUT3	6 B GROUND		BG OUTPUT 5	9 Y INPUT 2	10 R INPUT4	1 LG INPUT 1	12 P OUTPUT 1	3 BR INPUT 5	14 G OUTPUT 2			Connector No. M50	Competer Name and HSLISH BLISH	Т	Connector Type TK08FBR			1	1 1	4 9 6 / 8				lal	Wire	. 8 1		3 BG .	Н	5 GR -	>
Connector No M22 Cons	N. Garden	Connector Name KEY SLOT	Connector Type TH12FW-NH Conn			1.5	o \$			Terminal Color Of Size (Size (No. Wire Signal Marine [Specification] No.	1 R BAT 1	2 GR CLOCK 2	3 W DATA 3	5 Y ILL BAT 4	9 17 17 9	7 B GROUND 6	11 BR KEY SWITCH SIGNAL 7	8	6	Connector No. M24 10	11 ONTALL IN CONNECTOR	DATA LINA CONNECTOR	Connector Type BD16FW 13			14 17 13 14 18		3 4 5 6 7 8 M	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Conr		Signal Name [Specification]		2 .	u (+	- 9	7 GR -	8 G . Term	11 SB No.	12 P - 1	13 L 2	14 P - 3	16 BG 4		
BCM (BODY CONTROL MODULE)		Connector Name FUSE BLOCK (J/B)	Connector Type NS10FW-CS	₫.	T		98 88 78 68 58			nal Color Of	No. Wire Signal Name [Specification]	1B LG -	38 P .	4B G -	5B BG .	- A B9	78 L -	88 R	9B BR			Connector No. M3	Gil / XOO IG ESI ID		Connector Type NS12FW-CS	4				120 110 100 9C 70 6C			T:	Signal Name [Specification]	+	+	+	4		7C B -	9C BG -						

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25 W FR TUNER (GND)	
Cornector Name OPTICAL SENSOR	
Cornector Nb. MT2	
Connector Name National Connector Name	
	JRMWF4496GB

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] RC	3	BCM (BODY CONTROL MODULE)									
Connector No.	or No.	M119	Connector No.	1	M121	80	¥5	NATS ANT AMP.	141	9	SECURITY INDICATOR OUTPUT
Connect	Connector Name	BCM (BODY CONTROL MODULE)	Connect	Connector Name	BCM (BODY CONTROL MODULE)	<u>~</u>	8	NATS ANT AMP.	142	g ,	COMBI SW OUTPUT 5
Į		CO MILONOIN	į	Т	- III ACLIONIF	28 8	ı (IGN RELAY (F/B) CONI	143	٠ (COMBI SW CUIPUL 1
Connect	Connector Type	1	Connect	Connector Type	I HAUFGY-NH	8	5	KEYLESS ENIRY RECEIVER SIGNAL	144	9	COMBI SW OUIFUL 2
q	•		q			87	£ :	COMBI SW INPUT 5	145	-	COMBI SW OUTPUT 3
手	_		多	_		88	>	COMBI SW INPUT 3	146	SB	COMBI SW OUTPUT 4
Ę	,		ŧ	,	K	90	۵	CAN-L	150	GR	DRIVER DOOR SW
į į	Ŗ		Ğ.	7	16 26 06 06	91	٦	CAN-H	151	9	REAR WINDOW DEFOGGER RELAY CONT
		11 13 15 17 18 19		-	55 CC	92	PT	KEY SLOT ILL			
					зII	93	>	ON IND			
						96	BG	ACC RELAY CONT	Connector No.	Г	M125
						96	GR	A/T SHIFT SELECTOR POWER SUPPLY	į	Minne	Nation () and ()
Termina	Terminal Color Of	L	Termina	erminal Color Of	5	66	œ	SHFTP	Connecto	r Name	Connector Name CAN GATEWAY
9 2	Wire	Signal Name [Specification]	No.	Wire	Signal Name [Specification]	100	O	PASSENGER DOOR REQUEST SW	Connecto	r Type	Connector Type TH12FW-NH
4	۵	INT ROOM LAMP PWR SUPPLY (BAT SAVE)	34	SB	LUGGAGE ROOM ANT-	101	SB	DRIVER DOOR REQUEST SW	[
2	^	PASSENGER DOOR UNLOCK OUTPUT	32	^	LUGGAGE ROOM ANT+	102	BG	BLOWER FAN MOTOR RELAY CONT	ß		
^	>	STEP LAMP OUTPUT	38	а	BACK DOOR ANT-	103	æ	KEYLESS ENTRY RECEIVER POWER SUPPLY			<u> </u>
80	>	ALL DOOR, FUEL LID LOCK OUTPUT	38	Α	BACK DOOR ANT+	107	97	COMBI SW INPUT 1	Ą		_
6	Ø	DRIVER DOOR, FUEL	47	>	IGN RELAY (IPDM E/R) CONT	108	œ	COMBI SW INPUT 4			0 4 0
10	æ	REAR DOOR UNLOCK OUTPUT	25	ΡP	STARTER RELAY CONT	109	>	COMBI SW INPUT 2			7 9 10 11 12
11	٣		09	SB	ENG_START_SW	110	9	HAZARD SW			
13	۵	GROUND	61	×	TRUNK_REQUEST_SW						
15	>	ACC IND	64	_	I-KEY WARN BUZZER (ENG ROOM)				Terminal	erminal Color Of	9
17	>	TURN SIGNAL RH (FRONT)	92	BG	REAR WIPER STOP POSITION	Connector No.		M123	Š	Wire	Signal Name [Specification]
18	BG	1	99	97	BACK DOOR SW			THE PROPERTY OF THE PROPERTY O	1	7	CAN-H
19	SB		29	۵	BACK DOOR OPENER SW	Connects	Connector Name	BCM (BODY CONTROL MODULE)	3	GR	BATTERY
			89	BR	REAR RH DOOR SW	Connector Type	П	TH40FG-NH	4	٦	CAN-H
			69	œ	REAR LH DOOR SW		ļ,		2	В	GROUND
Connector No.	or No.	M120					_		9	7	CAN-H
Jonas	Nomo	Campion Mode Annual Completion				1			7	а	CAN-L
Collinect	or Name	BOM (BODT CONTROL MODULE)	Connector No.	ı	M122	Ν̈́E	_	Conference	6	97	IGNITION
Connect	Connector Type	NS12FW-CS			THE CONTRACTOR AND			21 NU 91 SUSU 21 22 NU 91 NU 91 NU	10	۵	CAN-L
] [1	Connect	Connector Name	BCM (BODY CONIROL MODULE)			12/10X 18/10X 18/10X 18/10X 10X 10X 10X	11	В	GROUND
	_		Connect	Connector Type	TH40FB-NH				12	۵	CAN-L
•	_			ļ							
Ź T	<i>7</i> .] 02		_		Terminal	erminal Color Of	Section 2			
		25 26	ŧ			ġ Ż	Wire	Signal Name [Specification]			
			Ş	<i>7</i> .	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	112	GR	RAIN SENSOR SERIAL LINK			
				-	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	113	Ь	OPLICAL SENSOR			
					W IN IN IN IN	116	BR	STOP LAMP SW 1			
Termina	Terminal Color Of	Of Signal Name [Specification]				118	Ь	STOP LAMP SW 2			
ė	Wire					119	SB	DR DOOR UNLOCK SENSOR			
50	>	TURN SIGNAL RH (REAR)	Terminal	\circ	Signal Name (Specification)	121	H	KEY SLOT SW			
52	O	TURN SIGNAL LH (REAR)	9	Wire	figure and company	123	≯	IGN F/B			
56	۵	REAR WIPER OUTPUT	74	SB	PASSENGER DOOR ANT-	124	re	PASSENGER DOOR SW			
			75	R	PASSENGER DOOR ANT+	132	BG	POWER WINDOW SW COMM			
			9/	>	DRIVER DOOR ANT-	134	GR	LOCK IND			
			11	<u>9</u>	DRIVER DOOR ANT+	137	<u>_</u>	RECEIVER/SENSOR GND			
			78	>	ROOM ANT1-	138	>	SENSOR POWER SUPPLY			
			79	R	ROOM ANT1+	140	œ	SHIFT NP			

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1440FWAN 1440FWAN		Connector Name NSIDE KEY ANTENNA (INSTRUMENT CENTER)	Connector Name	lame ECM	Connector Name	ame ECM	
Signal Name (Specification) New New Specification New	Œ.	П	Connector T	П	Connector T		-R-LH-Z
Signal Name [Specification] Terminal Coder Of Signal Name [Specification]	98 77		E.S.	22 = 2	E.S.	S23 123 123 123 123 123 123 123 123 123 1	123 114 105
TAUL LAMP SIGNAL Convector No. May LAMP SIGNAL LAMP CAN INC. CAN COMMUNICATION LINE Signal Name Spanish Ray	Signal Name [Specification]	Color Of Wire	Terminal Co No.		Terminal Co No.		Name [Specification]
TACK SIGNAL ACCORDAN ACCORD	DDL2 1	BR -	97	Н	97	H	R PEDAL POSITION SENSOR 1
The control of the	TAIL LAMP SIGNAL 2		6 5	_	88 88	†	AL POSITION SENSOR 2 [Without NAVI]
Connector No. Mi37 Connector No. C			101		66	t	WER SUPPLY [With NAVI]
Convector Name AT SHIFT SELECTOR TOTAL SHIPT	IGN SIGNAL	П	102	Н	66	П	FR SUPPLY [Without NAVI]
MODD LAMP (FR ARMEST RH)	DOOR SW (AS)		4 6	+	00 5	1	NSOR GROUND
MODO LAMP (RR ARAMEST RH)	MOOD LAMP (FR ARMREST RH)	or Type TH12FW-NH	90	- GAN COMMUNICATION LINE	5 6	+	SYSTEM PRESSURE SENSOR
MAP LAMP (AS)	MOOD LAMP (RR ARMREST RH)		108	H	103	Т	FR SUPPLY [Without NAVI]
PERSONAL LAMP (R4)	MAP LAMP (AS)		110	Н	103	П	WER SUPPLY [With NAVI]
FERSONAL LAMP (RH)		/ \	111	+	104	4	GROUND [With NAVI]
HSPL ILLUMINITIONS		3 4	112	+	104	+	SROUND [Without NAVI]
MAP LAMP (DR)		0	+		106	+	INT PRESSURE SENSOR TEMPERATURE SENSOR
PUSHER START SW LED	MAP LAMP (DR)		116		107	H	R POWER SUPPLY
MAP DOMER SLIPPLY A MAP Tominal Cloir Of Signal Name Specification 119	PUSH ENG START SW LED		117	Н	108		NSOR GROUND
MAPLAMP SW (DOR)		Color Of Wire	118	+	110		PNP SIGNAL
121 GR POWER SUPPLY FOR ECM 112 W 112 W 113 W 114 L L L L L L L L L L		M	120	╁	112	╁	EVAP CONTROL SYSTEM PRESSURE SENSOR
MAPLAMP SW (LRR) 3 L	NPUT	^	121		112	F	u BVAP CONTROL SYSTBAPHESSURE SPRECK
MAPLAMPS WI (DOOR)	DOOR SW (RR)		123	П	113		MMUNICATION LINE
MAPLAMPSWIALLON 5 G	MAP LAMP SW (DOOR)		125	┪	+	4	MMUNICATION LINE
MODOLAMP (FR ARMREST LH)	MAP LAMP SW (ALL ON)	50 (4	128		+	\top	LINK CONNECTOR
MOOD LAMP (FR ARAMEST LH) 9 6	(au) Wis about	2 0			122	t	DI AMP SMITCH
MOOD LAMP (RR ARMREST LH)	MOOD LAMP (FR ARMREST LH)	33 83			123		CM GROUND
HSPL POWER SUPPLY 3 11 R - 125 GR 175 GR HSPL POWER SUPPLY 2 HSPL POWER SUPPLY 1 126 BR 127 B FOOT LAMP (H4) PUDDLE LAMP (R4) 128 B B	MOOD LAMP (RR ARMREST LH)	GR			124		CM GROUND
HSPL POWER SUPPLY 2 126 BR 126 BR 147 B 147	HSPL POWER SUPPLY 3				125		SUPPLY FOR ECM
HSPL POWER SUPPLY 1 T127 B T127 B T128 B P FOOL LAMP (HJ) PUDDLE LAMP (HJ)	HSPL POWER SUPPLY 2				126		CC BRAKE SWITCH
FOOT LAMP (LH) 128 B P PUDDLE LAMP (RH)	HSPL POWER SUPPLY 1				127		CM GROUND
	FOOT LAMP (LH)				128		CM GROUND

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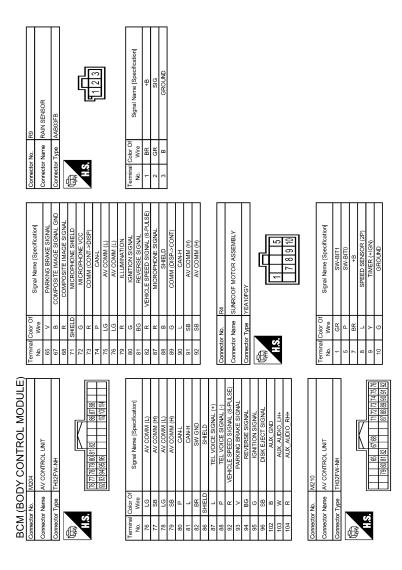
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Fail-safe

FAIL-SAFE CONTROL BY DTC BCM performs fail-safe control when any DTC are detected.

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

Display contents of CONSULT	Fail-safe	Cancellation	
B2190: NATS ANTENNA AMP	Inhibit engine cranking	Erase DTC	
B2191: DIFFERENCE OF KEY	Inhibit engine cranking	Erase DTC	
B2192: ID DISCORD BCM-ECM	Inhibit engine cranking	Erase DTC	
B2193: CHAIN OF BCM-ECM	Inhibit engine cranking	Erase DTC	
B2195: ANTI SCANNING	Inhibit engine cranking	Ignition switch ON → OFF	
B2560: STARTER CONT RELAY	Inhibit engine cranking	500 ms after the following CAN signal communication status becomes consistent • Starter control relay signal • Starter relay status signal	
B2608: STARTER RELAY	Inhibit engine cranking	 500 ms after the following signal communication status becomes consistent Starter relay control signal Starter relay status signal (CAN) 	
B260A: IGNITION RELAY	Inhibit engine cranking	 500 ms after the following conditions are fulfilled IGN relay (IPDM E/R) control signal: OFF (Battery voltage) Ignition ON signal (CAN to IPDM E/R): OFF (Request signal) Ignition ON signal (CAN from IPDM E/R): OFF (Condition signal) 	
B260F: ENG STATE SIG LOST	Maintains the power supply position attained at the time of DTC detection	When any of the following conditions are fulfilled • Power position changes to ACC • Receives engine status signal (CAN)	
B2617: STARTER RELAY CIRC	Inhibit engine cranking	1 second after the starter relay control inside BCM becomes normal	
B2618: BCM	Inhibit engine cranking	1 second after the ignition relay (IPDM E/R) control inside BCM becomes normal	
B261E: VEHICLE TYPE	Inhibit engine cranking	BCM initialization	

FAIL-SAFE CONTROL BY RAIN SENSOR MALFUNCTION

- BCM judges the rain sensor serial link error by the rain sensor serial link condition and detects the rain sensor malfunction by rain sensor malfunction signal.
- When BCM detects the rain sensor serial link error or the rain sensor malfunction while front wiper AUTO operation, BCM operates a fail-safe control.

NOTE:

If rain sensor malfunction is detected when ignition switch is turned OFF \Rightarrow ON and front wiper switch is INT position, BCM operates a fail-safe control.

REAR WIPER MOTOR PROTECTION

BCM detects the rear wiper stopping position according to the rear wiper stop position signal.

When the rear wiper stop position signal does not change for more than 5 seconds while driving the rear wiper, BCM stops power supply to protect the rear wiper motor.

Condition of cancellation

- 1. More than 1 minute is passed after the rear wiper stops.
- Turn rear wiper switch OFF.
- 3. Operate the rear wiper switch or rear washer switch.

DTC Inspection Priority Chart

If some DTCs are displayed at the same time, perform inspections one by one based on the following priority chart.

Priority	DTC
1	B2562: LOW VOLTAGE
2	U1000: CAN COMM U1010: CONTROL UNIT(CAN)

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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

Priority	DTC
3	B2190: NATS ANTENNA AMP B2191: DIFFERENCE OF KEY B2192: ID DISCORD BCM-ECM B2193: CHAIN OF BCM-ECM B2195: ANTI SCANNING
4	 B2555: STOP LAMP B2556: PUSH-BTN IGN SW B2557: VEHICLE SPEED B2560: STARTER CONT RELAY B2601: SHIFT POSITION B2602: SHIFT POSITION B2603: SHIFT POSI STATUS B2604: PNP/CLUTCH SW B2605: PNP/CLUTCH SW B2608: STARTER RELAY B2608: STARTER RELAY B2606: ENG STATE SIG LOST B2614: BCM B2615: BCM B2616: BCM B2617: BCM B2618: BCM B2618: BCM B2616: VEHICLE TYPE B262A: KEY REGISTRATION U0415: VEHICLE SPEED SIG
5	B2621: INSIDE ANTENNA B2623: INSIDE ANTENNA
6	B26E7: TPMS CAN COMM

DTC Index

NOTE:

The details of time display are as follows.

- CRNT: A malfunction is detected now.
- PAST: A malfunction was detected in the past.

IGN counter is displayed on Freeze Frame Data. For details of Freeze Frame Data, refer to <u>BCS-20, "COM-MON ITEM"</u>.

CONSULT display	Fail-safe	Freeze Frame Data •Vehicle Speed •Odo/Trip Meter •Vehicle Condition	Intelligent Key warn- ing lamp ON	Reference
No DTC is detected. Further testing may be required.	_	_	_	_
U1000: CAN COMM	_	_	_	BCS-39
U1010: CONTROL UNIT(CAN)	_	_	_	BCS-40
U0415: VEHICLE SPEED SIG	_	_	_	BCS-41
B2190: NATS ANTENNA AMP	×	_	_	SEC-47
B2191: DIFFERENCE OF KEY	×	_	_	SEC-50
B2192: ID DISCORD BCM-ECM	×	_	_	<u>SEC-51</u>
B2193: CHAIN OF BCM-ECM	×	_	_	<u>SEC-53</u>
B2195: ANTI SCANNING	×	_	_	<u>SEC-54</u>
B2553: IGNITION RELAY	_	×	_	PCS-53
B2555: STOP LAMP	_	×	_	<u>SEC-55</u>

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

CONSULT display	Fail-safe	Freeze Frame Data •Vehicle Speed •Odo/Trip Meter •Vehicle Condition	Intelligent Key warn- ing lamp ON	Reference
B2556: PUSH-BTN IGN SW	_	×	×	<u>SEC-57</u>
B2557: VEHICLE SPEED	×	×	×	SEC-59
B2560: STARTER CONT RELAY	×	×	×	SEC-60
B2562: LOW VOLTAGE	_	×	_	BCS-42
B2601: SHIFT POSITION	×	×	×	SEC-61
B2602: SHIFT POSITION	×	×	×	SEC-64
B2603: SHIFT POSI STATUS	×	×	×	SEC-66
B2604: PNP/CLUTCH SW	×	×	×	SEC-69
B2605: PNP/CLUTCH SW	×	×	×	SEC-71
B2608: STARTER RELAY	×	×	×	SEC-73
B260A: IGNITION RELAY	×	×	×	PCS-55
B260F: ENG STATE SIG LOST	×	×	×	<u>SEC-75</u>
B2614: BCM	_	×	×	PCS-57
B2615: BCM	_	×	×	PCS-59
B2616: BCM	_	×	×	PCS-61
B2617: BCM	×	×	×	SEC-77
B2618: BCM	×	×	×	PCS-63
B261A: PUSH-BTN IGN SW	_	×	×	SEC-79
B261E: VEHICLE TYPE	×	×	× (Turn ON for 15 seconds)	SEC-82
B2621: INSIDE ANTENNA	_	×	_	DLK-101
B2623: INSIDE ANTENNA	_	×	_	DLK-103
B26E7: TPMS CAN COMM	_	_	_	BCS-43
B26EA: KEY REGISTRATION	_	×	× (Turn ON for 15 seconds)	<u>SEC-76</u>

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INTERIOR LIGHTING SYSTEM SYMPTOMS

< SYMPTOM DIAGNOSIS >

SYMPTOM DIAGNOSIS

INTERIOR LIGHTING SYSTEM SYMPTOMS

Symptom Table

CAUTION:

Perform the self-diagnosis with CONSULT before the symptom diagnosis. Perform the trouble diagnosis if any DTC are detected.

SYMPTOMS BY ITEM

- 1. Identify the malfunctioning by checking each lamp (whether it can turn ON or not).
- Check the malfunction combinations.
- 3. Identify the malfunctioning part from the agreed combination and repair or replace the part.

NOTE:

When a lamp other than those in the following table is not turned ON/OFF, check the bulb, the lamp housing, and the direct circuit.

													Malfunction item: ×	
Map lamps*1	Personal lamps*1	Center console indirect illumination	Vanity mirror lamp	Foot lamps	Push-button ignition switch illumination	Mood lamp (Rear door armrest)	Puddle lamps	Mood lamp (Front door armrest)	Illuminations*2	Step lamps	Luggage room lamps	Automatic back door close switch (Illumination)	Inspection item (Reference)	
×	×	×	×	×	×	×	×	×	×	×	×	×	Interior room lamp power supply circuit (INL-29)	
×	×	×	×	×	×	×	×	×	×				Power supply and ground circuit of total illumination control unit (<u>INL-27</u>) Battery saver signal circuit (<u>INL-31</u>)	
×	×	×	×	×	×	×							Hospitality lighting power supply 1 circuit (INL-32)	
							×	×					Hospitality lighting power supply 2 circuit (INL-35)	
×	×												Map lamp main switch circuit (<u>INL-65</u>)	
×													Map lamp circuit (INL-39)	
	×												Personal lamp circuit (<u>INL-41</u>)	
		×											Center console indirect illumination circuit (INL-43)	
			×										The lamp housing and the direct circuit (INL-73)	
				×									Foot lamp circuit (<u>INL-45</u>)	
					×								Push-button ignition switch illumination circuit (INL-52)	
						×							Mood lamp (Rear door armrest) circuit (INL-54)	
							×						Puddle lamp circuit (<u>INL-48</u>)	
								×					Mood lamp (Front door armrest) circuit (INL-50)	
									×				 Hospitality lighting power supply 3 circuit (<u>INL-37</u>) Hospitality illumination circuit (<u>INL-56</u>) 	
													Hospitality lighting power supply 3 circuit (INL-37)	
										×			Step lamp circuit (INL-59)	
											×	×	The lamp housing and the direct circuit (INL-73)	

^{*1:} Map lamp main switch ALL ON or DOOR

Revision: 2015 February INL-186 2015 QX70

^{*2:} Refer to INL-37, "Description" for linked illuminations.

INTERIOR LIGHTING SYSTEM SYMPTOMS

< SYMPTOM DIAGNOSIS >

SYMPTOMS BY FUNCTION

Symptom	Inspection item (Reference)
When any door is opened, applicable map lamp or personal lamp is not turned ON. (It is turned ON when turning the map lamp main switch ALL ON.)	Door switch circuit (INL-67)
Interior room lamp timer does not activate. (It is turned ON/OFF when turning the map lamp main switch ALL ON/OFF.)	Room lamp timer circuit (<u>INL-71</u>).
Illuminations are not turned ON when tail lamp is ON. [They are turned ON when hospitality lighting is operated. (Hospitality lighting functioning table "Scene 3")]	Tail lamp signal circuit (<u>INL-61</u>)
Brightness of illuminations is not adjustable by the illumination control switch when tail lamp is ON. (Meter illumination control is normal.)	Illumination control signal circuit (INL-63)
Interior room lamp battery saver does not activate.	Check the interior room lamp battery saver setting. (INL-25)

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PRECAUTION

PRECAUTIONS

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

The Supplemental Restraint System such as "AIR BAG" and "SEAT BELT PRE-TENSIONER", used along with a front seat belt, helps to reduce the risk or severity of injury to the driver and front passenger for certain types of collision. This system includes seat belt switch inputs and dual stage front air bag modules. The SRS system uses the seat belt switches to determine the front air bag deployment, and may only deploy one front air bag, depending on the severity of a collision and whether the front occupants are belted or unbelted. Information necessary to service the system safely is included in the "SRS AIR BAG" and "SEAT BELT" of this Service Manual.

WARNING:

Always observe the following items for preventing accidental activation.

- To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision that would result in air bag inflation, all maintenance must be performed by an authorized NISSAN/INFINITI dealer.
- Improper maintenance, including incorrect removal and installation of the SRS, can lead to personal
 injury caused by unintentional activation of the system. For removal of Spiral Cable and Air Bag
 Module, see "SRS AIR BAG".
- Never 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:

Always observe the following items for preventing accidental activation.

- When working near the Air Bag Diagnosis Sensor Unit or other Air Bag System sensors with the
 ignition ON or engine running, never use air or electric power tools or strike near the sensor(s) with
 a hammer. Heavy vibration could activate the sensor(s) and deploy the air bag(s), possibly causing
 serious injury.
- When using air or electric power tools or hammers, always switch the ignition OFF, disconnect the battery, and wait at least 3 minutes before performing any service.

Precautions For Xenon Headlamp Service

INFOID:0000000010755188

WARNING:

Comply with the following warnings to prevent any serious accident.

- Disconnect the battery cable (negative terminal) or the power supply fuse before installing, removing, or touching the xenon headlamp (bulb included). The xenon headlamp contains high-voltage generated parts.
- Never work with wet hands.
- Check the xenon headlamp ON-OFF status after assembling it to the vehicle. Never turn the xenon headlamp ON in other conditions. Connect the power supply to the vehicle-side connector. (Turning it ON outside the lamp case may cause fire or visual impairments.)
- Never touch the bulb glass immediately after turning it OFF. It is extremely hot.

CAUTION:

Comply with the following cautions to prevent any error and malfunction.

- Install the xenon bulb securely. (Insufficient bulb socket installation may melt the bulb, the connector, the housing, etc. by high-voltage leakage or corona discharge.)
- Never perform HID circuit inspection with a tester.
- Never touch the xenon bulb glass with hands. Never put oil and grease on it.
- Dispose of the used xenon bulb after packing it in thick vinyl without breaking it.
- Never wipe out dirt and contamination with organic solvent (thinner, gasoline, etc.).

PRECAUTIONS

< PRECAUTION >

Precautions for Removing Battery Terminal

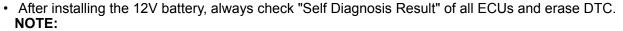
When removing the 12V battery terminal, turn OFF the ignition switch and wait at least 30 seconds.

NOTE:

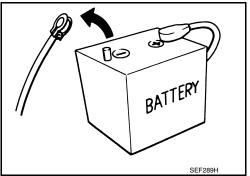
ECU may be active for several tens of seconds after the ignition switch is turned OFF. If the battery terminal is removed before ECU stops, then a DTC detection error or ECU data corruption may occur.

For vehicles with the 2-batteries, be sure to connect the main battery and the sub battery before turning ON the ignition switch.
 NOTE:

If the ignition switch is turned ON with any one of the terminals of main battery and sub battery disconnected, then DTC may be detected.



The removal of 12V battery may cause a DTC detection error.



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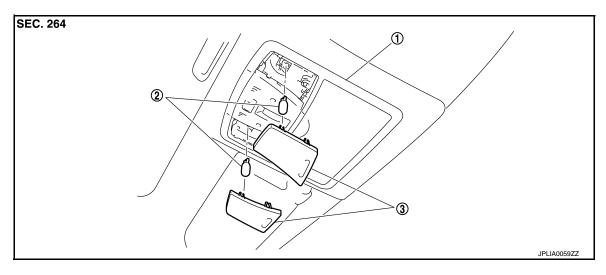
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REMOVAL AND INSTALLATION

MAP LAMP

Exploded View



1. Map lamp assembly

2. Bulb

3. Lens

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Removal and Installation

Refer to INT-25, "Exploded View" for the map lamp assembly installation/removal.

Replacement INFOID:000000010584982

CAUTION:

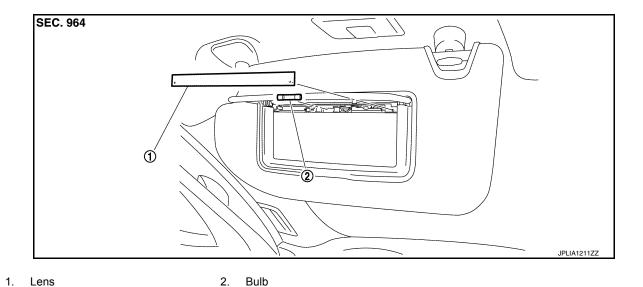
- · Disconnect the battery negative terminal or remove the fuse.
- Never touch the glass of bulb directly by hand. Keep grease and other oily matters away from it. Never touch bulb by hand while it is lit or right after it turns OFF.
- Never leave bulb out of lamp reflector for a long time because dust, moisture, smoke, etc. may affect the performance of lamp. When replacing bulb, always replace it with new one.

MAP LAMP BULB

- 1. Insert any appropriate tool into the gap between the lens. Remove the lens.
- Remove the bulb.

VANITY MIRROR LAMP

Exploded View



Replacement

CAUTION:

• Disconnect the battery negative terminal or remove the fuse.

- Never touch the glass of bulb directly by hand. Keep grease and other oily matters away from it.
 Never touch bulb by hand while it is lit or right after it turns OFF.
- Never leave bulb out of lamp reflector for a long time because dust, moisture, smoke, etc. may affect the performance of lamp. When replacing bulb, always replace it with new one.

VANITY MIRROR LAMP BULB

- 1. Insert any appropriate tool into the gap between the lens. Remove the lens.
- 2. Remove the bulb.

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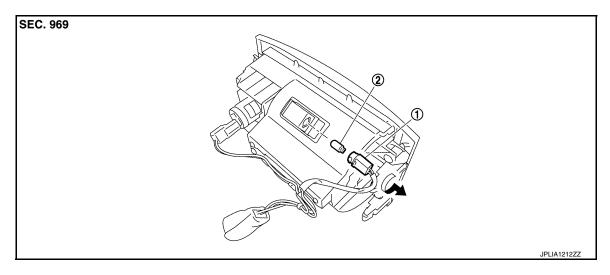
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ASHTRAY ILLUMINATION

Exploded View



1. Bulb socket 2. Bulb

Replacement

CAUTION:

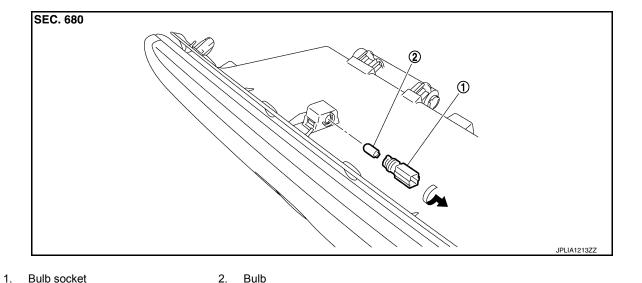
- · Disconnect the battery negative terminal or remove the fuse.
- Never touch the glass of bulb directly by hand. Keep grease and other oily matters away from it.
 Never touch bulb by hand while it is lit or right after it turns OFF.
- Never leave bulb out of lamp reflector for a long time because dust, moisture, smoke, etc. may affect the performance of lamp. When replacing bulb, always replace it with new one.

ASHTRAY ILLUMINATION BULB

- 1. Remove the console pocket assembly. Refer to IP-23, "Exploded View".
- 2. Rotate the bulb socket counterclockwise and unlock it.
- Remove the bulb.

GLOVE BOX LAMP

Exploded View



Replacement

CAUTION:

• Disconnect the battery negative terminal or remove the fuse.

- Never touch the glass of bulb directly by hand. Keep grease and other oily matters away from it.
 Never touch bulb by hand while it is lit or right after it turns OFF.
- Never leave bulb out of lamp reflector for a long time because dust, moisture, smoke, etc. may affect the performance of lamp. When replacing bulb, always replace it with new one.

GLOVE BOX LAMP BULB

- 1. Remove the glove box assembly. Refer to IP-12, "Exploded View".
- 2. Rotate the bulb socket counterclockwise and unlock it.
- Remove the bulb.

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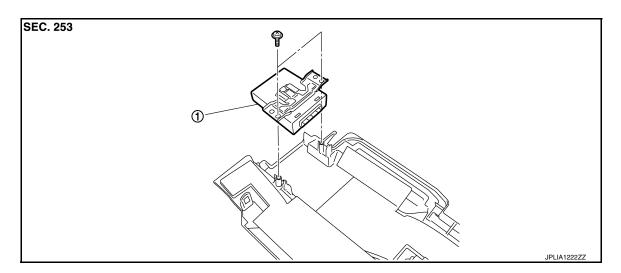
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TOTAL ILLUMINATION CONTROL UNIT

Exploded View



1. Total illumination control unit

Removal and Installation

INFOID:0000000010584990

CAUTION:

Disconnect the battery negative terminal or remove the fuse.

REMOVAL

- 1. Remove the instrument lower cover RH. Refer to IP-12, "Exploded View".
- 2. Remove the screw. And then remove the total illumination control unit.

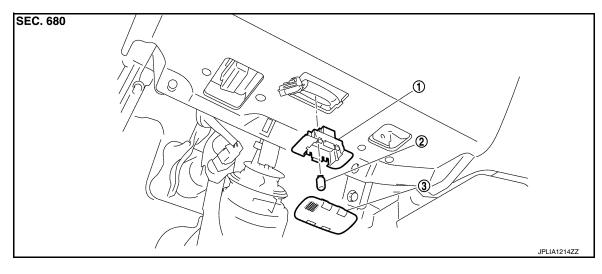
INSTALLATION

Install in the reverse order of removal.

FOOT LAMP

DRIVER SIDE

DRIVER SIDE: Exploded View



1. Foot lamp case (driver side)

Bulb

Lens

DRIVER SIDE: Removal and Installation

CAUTION:

Disconnect the battery negative terminal or remove the fuse.

REMOVAL

- 1. Insert any appropriate tool into the gap between the foot lamp and the instrument lower cover LH. Remove the foot lamp.
- 2. Disconnect the foot lamp connector.

INSTALLATION

Install in the reverse order of removal.

DRIVER SIDE : Replacement

INFOID:0000000010584993

INFOID:0000000010584992

CAUTION:

- Disconnect the battery negative terminal or remove the fuse.
- Never touch the glass of bulb directly by hand. Keep grease and other oily matters away from it.
 Never touch bulb by hand while it is lit or right after it turns OFF.
- Never leave bulb out of lamp reflector for a long time because dust, moisture, smoke, etc. may affect the performance of lamp. When replacing bulb, always replace it with new one.

FOOT LAMP BULB (DRIVER SIDE)

- 1. Insert any appropriate tool into the gap between the lens. Remove the lens.
- Remove the bulb.

PASSENGER SIDE

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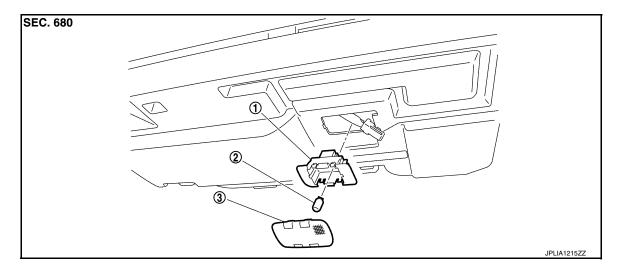
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PASSENGER SIDE: Exploded View

INFOID:0000000010584994



Foot lamp case (passenger side)

2. Bulb

3. Lens

PASSENGER SIDE: Removal and Installation

INFOID:0000000010584995

CAUTION

Disconnect the battery negative terminal or remove the fuse.

REMOVAL

- Insert any appropriate tool into the gap between the foot lamp and the instrument lower cover RH. Remove the foot lamp.
- 2. Disconnect the foot lamp connector.

INSTALLATION

Install in the reverse order of removal.

PASSENGER SIDE: Replacement

INFOID:0000000010584996

CAUTION:

- Disconnect the battery negative terminal or remove the fuse.
- Never touch the glass of bulb directly by hand. Keep grease and other oily matters away from it.
 Never touch bulb by hand while it is lit or right after it turns OFF.
- Never leave bulb out of lamp reflector for a long time because dust, moisture, smoke, etc. may affect the performance of lamp. When replacing bulb, always replace it with new one.

FOOT LAMP BULB (PASSENGER SIDE)

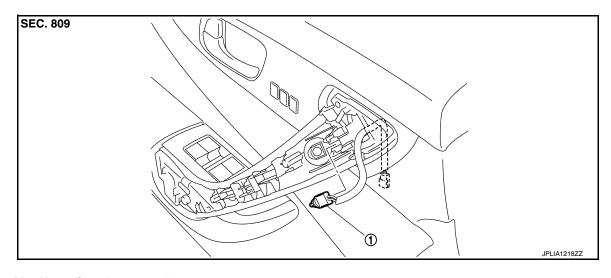
- 1. Insert any appropriate tool into the gap between the lens. Remove the lens.
- Remove the bulb.

MOOD LAMP

FRONT DOOR ARMREST

INFOID:0000000010584997

FRONT DOOR ARMREST: Exploded View



1. Mood lamp (front door armrest)

FRONT DOOR ARMREST: Replacement

CALITION:

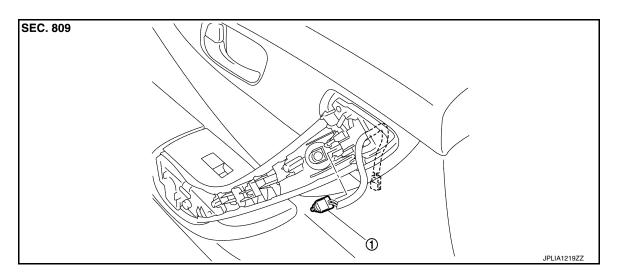
Disconnect the battery negative terminal or remove the fuse.

MOOD LAMP (FRONT DOOR ARMREST)

- 1. Remove the front door finisher. Refer to INT-12, "Exploded View".
- 2. Remove the front door armrest finisher. Refer to INT-12, "Exploded View".
- 3. Remove the mood lamp (front door armrest) from the front door finisher.

REAR DOOR ARMREST

REAR DOOR ARMREST: Exploded View



Mood lamp (rear door armrest)

Revision: 2015 February INL-197 2015 QX70

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MOOD LAMP

< REMOVAL AND INSTALLATION >

REAR DOOR ARMREST: Replacement

INFOID:0000000010585000

CAUTION:

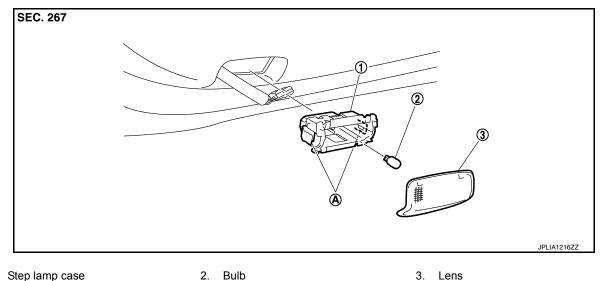
Disconnect the battery negative terminal or remove the fuse.

MOOD LAMP (REAR DOOR ARMREST)

- 1. Remove the rear door finisher. Refer to INT-15, "Exploded View".
- 2. Remove the rear door armrest finisher. Refer to INT-15, "Exploded View".
- 3. Remove the mood lamp (rear door armrest) from the rear door finisher.

STEP LAMP

Exploded View INFOID:0000000010585001



Metal clip

2. Bulb 3. Lens

Removal and Installation

CAUTION:

Disconnect the battery negative terminal or remove the fuse.

REMOVAL

- 1. Insert any appropriate tool into the gap between the step lamp and the door trim. Remove the step lamp.
- Disconnect the step lamp connector.

INSTALLATION

Install in the reverse order of removal.

Replacement INFOID:0000000010585003

CAUTION:

- Disconnect the battery negative terminal or remove the fuse.
- Never touch the glass of bulb directly by hand. Keep grease and other oily matters away from it. Never touch bulb by hand while it is lit or right after it turns OFF.
- Never leave bulb out of lamp reflector for a long time because dust, moisture, smoke, etc. may affect the performance of lamp. When replacing bulb, always replace it with new one.

STEP LAMP BULB

- 1. Remove the step lamp. Refer to INL-199, "Exploded View".
- 2. Remove the lens.
- 3. Remove the bulb.

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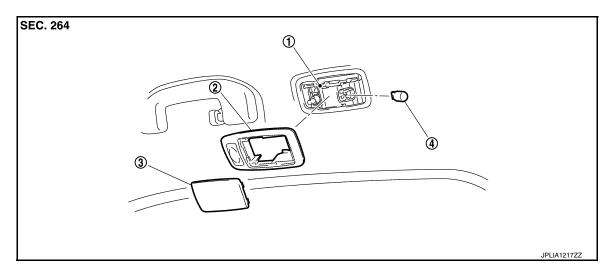
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PERSONAL LAMP

Exploded View



- 1. Personal lamp case
- 2. Personal lamp finisher
- 3. Lens

4. Bulb

NOTE:

Replace the personal lamp case as a set (right and left). After removing the headlining assembly, remove the personal lamp case. Refer to INT-25, "Exploded View".

Removal and Installation

INFOID:0000000010585005

CAUTION:

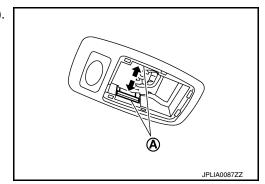
Disconnect the battery negative terminal or remove the fuse.

REMOVAL

- 1. Remove the headlining assembly. Refer to INT-25, "Exploded View".
- 2. Insert any appropriate tool into the gap between the lens. Remove the lens.
- Press both side pawls (A) in the direction of the arrow (←).
 Remove the personal lamp finisher.
- 4. Remove the personal lamp case from the headlining assembly.

NOTE:

Replace the personal lamp case as a set (right and left).



INSTALLATION

Install in the reverse order of removal.

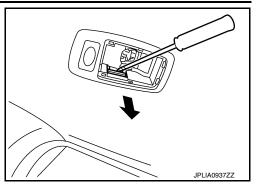
NOTE:

The following item is an easier way to install the personal lamp finisher.

PERSONAL LAMP

< REMOVAL AND INSTALLATION >

Press the personal lamp finisher to the headlining. Pull the personal lamp case pawl in the direction of the arrow (with any appropriate tool.



Replacement

INFOID:0000000010585006

CAUTION:

- Disconnect the battery negative terminal or remove the fuse.
- Never touch the glass of bulb directly by hand. Keep grease and other oily matters away from it. Never touch bulb by hand while it is lit or right after it turns OFF.
- Never leave bulb out of lamp reflector for a long time because dust, moisture, smoke, etc. may affect the performance of lamp. When replacing bulb, always replace it with new one.

PERSONAL LAMP BULB

- 1. Insert any appropriate tool into the gap between the lens. Remove the lens.
- 2. Remove the bulb.

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PUDDLE LAMP

< REMOVAL AND INSTALLATION >

PUDDLE LAMP

Exploded View INFOID:0000000010585007

Puddle lamp is integrated into the door mirror assembly.

- With ADP. Refer to MIR-75, "Exploded View".
 Without ADP. Refer to MIR-99, "Exploded View".

< REMOVAL AND INSTALLATION >

LUGGAGE ROOM LAMP

LUGGAGE SIDE

LUGGAGE SIDE : Exploded View

INFOID:0000000010585008

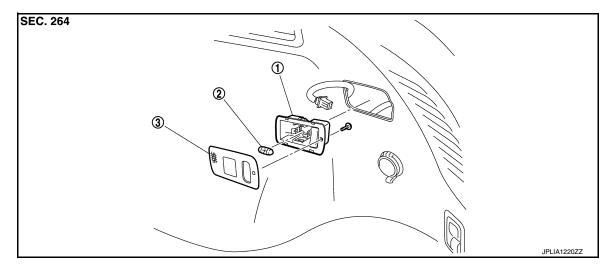
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 Luggage room lamp (luggage side) 2. Bulb housing 3. Lens

LUGGAGE SIDE: Removal and Installation

CAUTION:

Disconnect the battery negative terminal or remove the fuse.

REMOVAL

- 1. Insert any appropriate tool into the gap between the luggage room lamp (luggage side) and luggage side finisher lower. And then remove the luggage room lamp (luggage side).
- Disconnect the luggage room lamp (luggage side) connector.

INSTALLATION

Install in the reverse order of removal.

LUGGAGE SIDE : Replacement

INFOID:0000000010585010

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CAUTION:

- · Disconnect the battery negative terminal or remove the fuse.
- Never touch the glass of bulb directly by hand. Keep grease and other oily matters away from it.
 Never touch bulb by hand while it is lit or right after it turns OFF.
- Never leave bulb out of lamp reflector for a long time because dust, moisture, smoke, etc. may affect the performance of lamp. When replacing bulb, always replace it with new one.

LUGGAGE ROOM LAMP (LUGGAGE SIDE) BULB

- 1. Remove the luggage room lamp (luggage side). Refer to INL-203, "LUGGAGE SIDE: Exploded View".
- 2. Remove the screw. And then remove the lens.
- 3. Remove the bulb.

BACK DOOR SIDE

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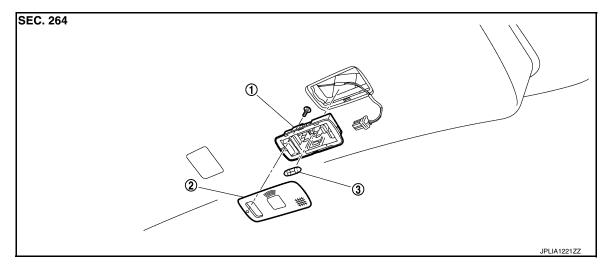
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LUGGAGE ROOM LAMP

< REMOVAL AND INSTALLATION >

BACK DOOR SIDE: Exploded View

INFOID:0000000010585011



 Luggage room lamp (back door side) 2. Lens assembly 3. Bulb

BACK DOOR SIDE: Removal and Installation

INFOID:0000000010585012

CAUTION:

Disconnect the battery negative terminal or remove the fuse.

REMOVAL

- Insert any appropriate tool into the gap between the luggage room lamp (back door side) assembly and back door finisher inner. Remove the luggage room lamp (back door side) assembly.
- Disconnect the luggage room lamp (back door side) connector.

INSTALLATION

Install in the reverse order of removal.

BACK DOOR SIDE: Replacement

INFOID:0000000010585013

CAUTION:

- Disconnect the battery negative terminal or remove the fuse.
- Never touch the glass of bulb directly by hand. Keep grease and other oily matters away from it.
 Never touch bulb by hand while it is lit or right after it turns OFF.
- Never leave bulb out of lamp reflector for a long time because dust, moisture, smoke, etc. may affect the performance of lamp. When replacing bulb, always replace it with new one.

LUGGAGE ROOM LAMP BULB

- Remove the luggage room lamp (back door side). Refer to <u>INL-204, "BACK DOOR SIDE: Exploded View".</u>
- 2. Remove the screw. And then remove the lens.
- 3. Remove the bulb.

SERVICE DATA AND SPECIFICATIONS (SDS)

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SERVICE DATA AND SPECIFICATIONS (SDS)

SERVICE DATA AND SPECIFICATIONS (SDS)

Bulb Specifications

Item	Туре	Wattage (W)
Push-button ignition switch illumination	LED	_
Map lamp	Wedge	8
Console lamp (integrated into the map lamp assembly)	LED	_
Puddle lamp	LED	_
Vanity mirror lamp	_	2
Cigarette lighter illumination	Wedge	1.4
Glove box lamp	Wedge	1.4
Foot lamp	Wedge	3.4
Mood lamp (door armrest)	LED	_
Step lamp	Wedge	5
Personal lamp	Wedge	8
Luggage room lamp	_	8

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