SECTION INL
INTERIOR LIGHTING SYSTEM

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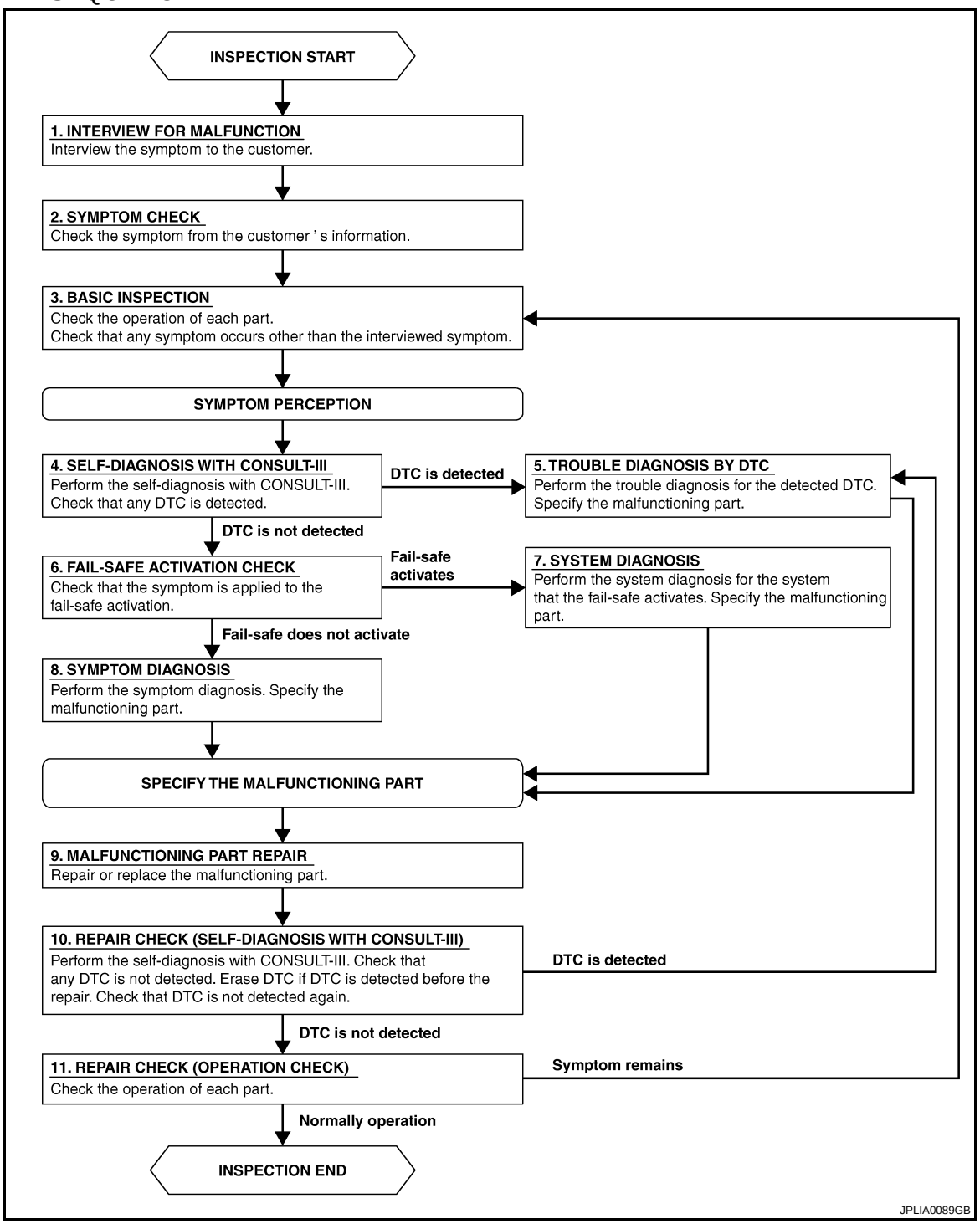
BASIC INSPECTION

DIAGNOSIS AND REPAIR WORKFLOW

Work Flow

INFOID:0000000001830311

OVERALL SEQUENCE



DETAILED FLOW

1.INTERVIEW FOR MALFUNCTION

Find out what the customer's concerns are.

>> GO TO 2

2.SYMPTOM CHECK

Verify the symptom from the customer's information.

>> GO TO 3

3.BASIC INSPECTION

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

>> GO TO 4

4.SELF-DIAGNOSIS WITH CONSULT-III

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

Is any DTC detected?

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

5.TROUBLE DIAGNOSIS BY DTC

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

>> GO TO 9

6.FAIL-SAFE ACTIVATION CHECK

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

Does the fail-safe activate?

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

7.SYSTEM DIAGNOSIS

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

>> GO TO 9

8.SYMPTOM DIAGNOSIS

Perform the symptom diagnosis. Specify the malfunctioning part.

>> GO TO 9

9.MALFUNCTION PART REPAIR

Repair or replace the malfunctioning part.

>> GO TO 11

10.REPAIR CHECK (SELF-DIAGNOSIS WITH CONSULT-III)

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

Is any DTC detected?

YES >> GO TO 5
NO >> GO TO 11

11. REPAIR CHECK (OPERATION CHECK)

Check the operation of each part.

Does it operate normally?

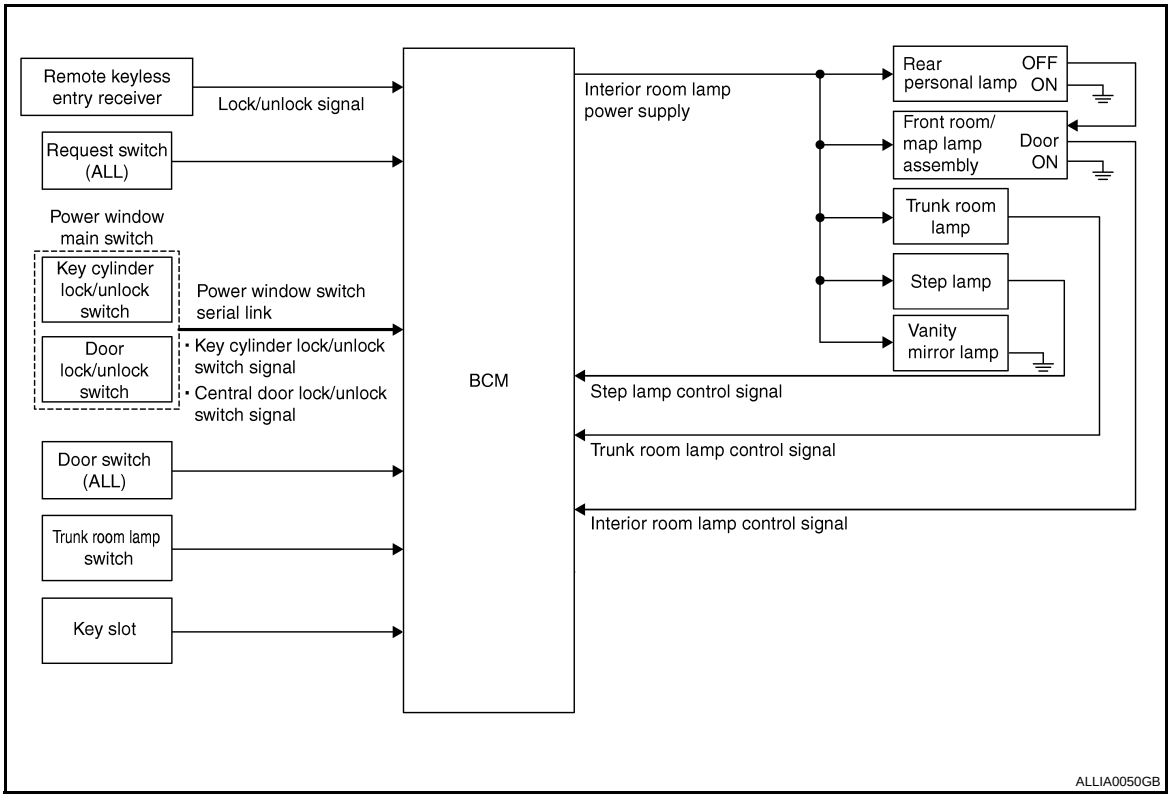
YES >> INSPECTION END
NO >> GO TO 3

FUNCTION DIAGNOSIS

INTERIOR ROOM LAMP CONTROL SYSTEM

System Diagram

INFOID:0000000001830312



System Description

INFOID:0000000001830313

OUTLINE

- Interior room lamps* are controlled by interior room lamp timer control function of BCM.
  *:Front room/map lamps and personal lamps (when lamp switch is in DOOR position).
- Trunk room lamp is controlled by trunk room lamp control function of BCM.
- Step lamps are controlled by step lamp control function of BCM.

Component Parts Location - Coupe

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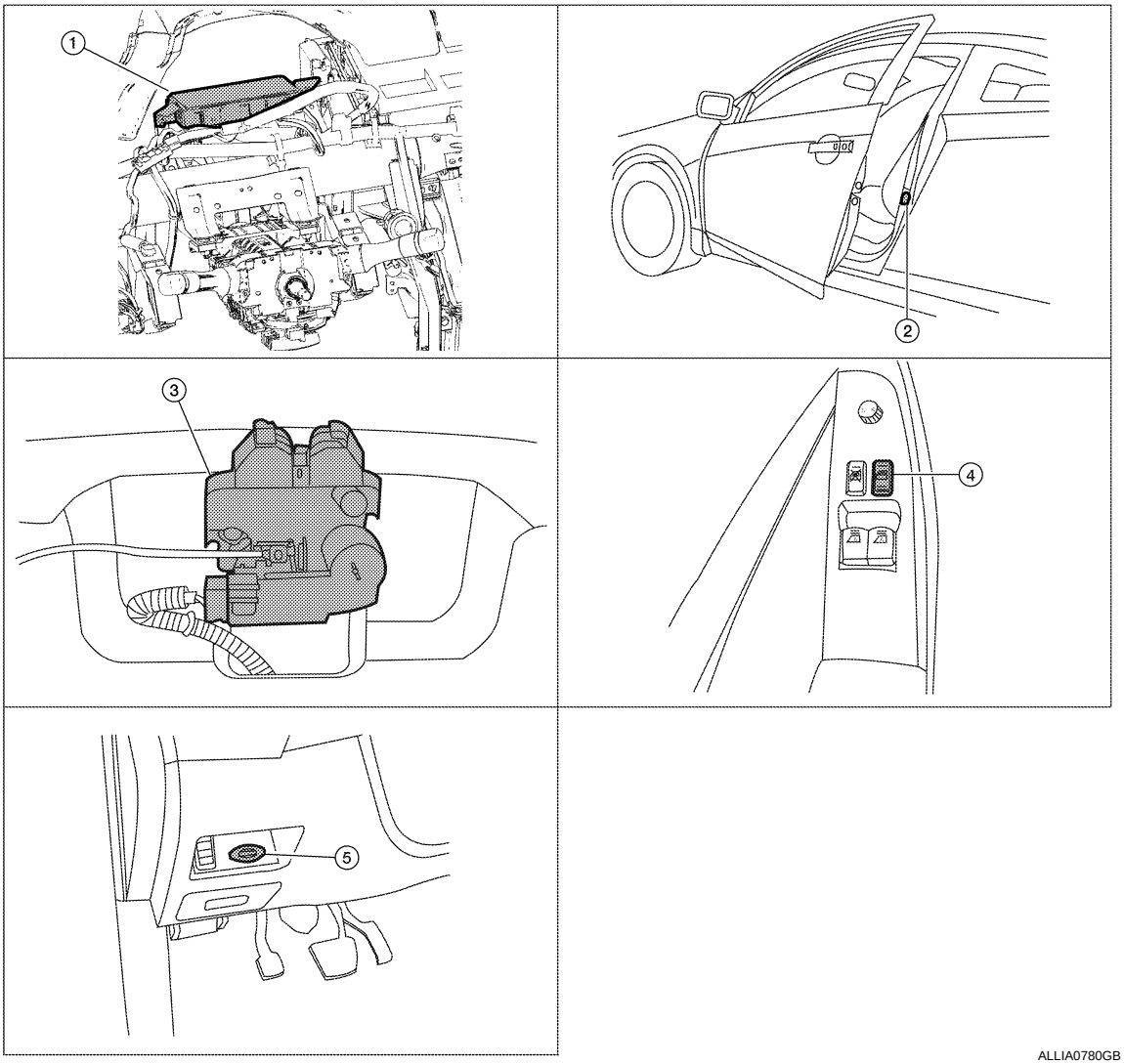
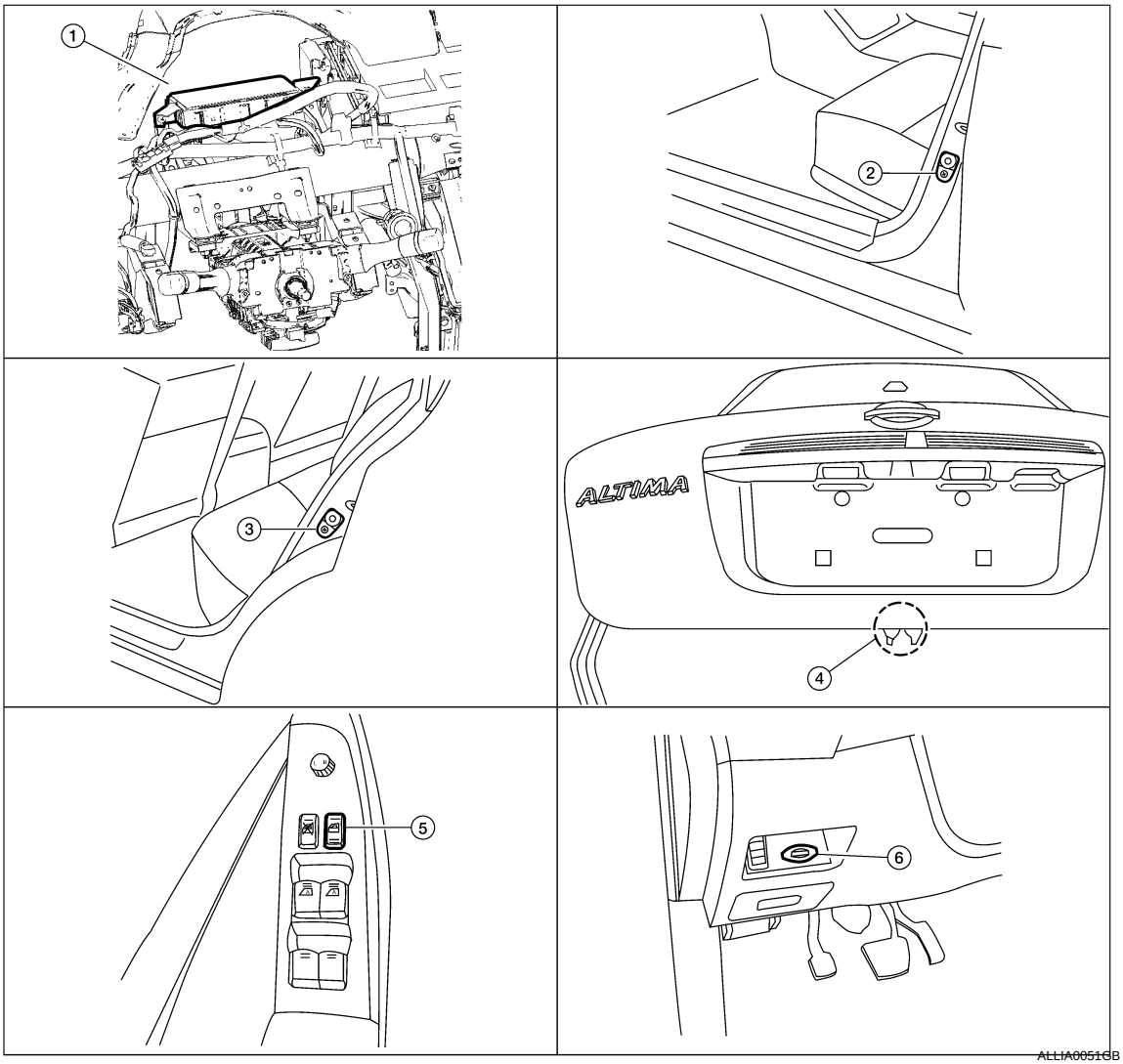


ALLIA0780GB

1. BCM M17, M18, M19, M20, M21 (view with instrument panel removed)
2. Door switch LH B8, RH B108
3. Trunk lamp switch and trunk release solenoid B28
4. Main power window and door lock/unlock switch D7, D8
5. Key slot M40

Component Parts Location - Sedan

INFOID:0000000001830314



1. BCM M17, M18, M19, M20, M21 (view with instrument panel removed)
2. Front door switch LH B8, RH B108
3. Rear door switch LH B18, RH B116
4. Trunk lamp switch and trunk release solenoid B28
5. Main power window and door lock/unlock switch D7, D8
6. Key slot M40

Component Description

INFOID:0000000001830315

SWITCH OPERATION

When a door is opened, the door switch closes to send a ground signal to the BCM. When the trunk is opened, the trunk lamp switch and trunk release solenoid closes sending a ground signal to the BCM.

ROOM LAMP TIMER OPERATION

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

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

Timer control is cancelled under the following conditions.

- When the front door LH is locked [with Intelligent Key, main power window and door lock/unlock switch, or front door lock assembly (key cylinder switch)].

- A door is opened (door switch turns ON).
- Intelligent Key is inserted into the key slot.

Interior lamp operational settings can be changed with the function setting of CONSULT-III.

INTERIOR LAMP BATTERY SAVER CONTROL

If an interior lamp is left ON and does not turn OFF even when the doors are closed, the BCM turns off power to the interior lamps automatically to save the battery 30 minutes after the ignition switch is turned OFF.
The BCM controls the interior lamps listed below

- Step lamp LH and RH
- Front room/map lamp LH and RH
- Room lamp (coupe)
- Personal lamp rear LH and RH (sedan)
- Vanity mirror lamp LH and RH (if equipped)
- Trunk room lamp

After the battery saver system turns the lamps OFF, the lamps will illuminate again when

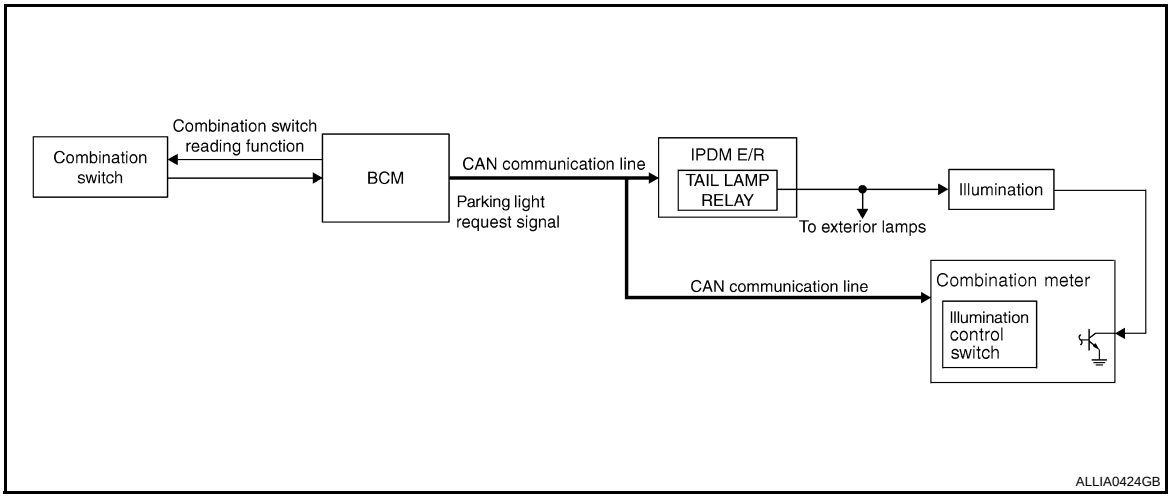
- a signal is received from an Intelligent Key or main power window and door lock/unlock switch, or when the front door LH lock assembly (key cylinder switch) is locked or unlocked
- a door is opened or closed
- the Intelligent Key is removed from or inserted into the key slot.

The Interior lamp battery saver control time period can be changed with the function setting of CONSULT-III.

ILLUMINATION CONTROL SYSTEM

System Diagram

INFOID:0000000001830316



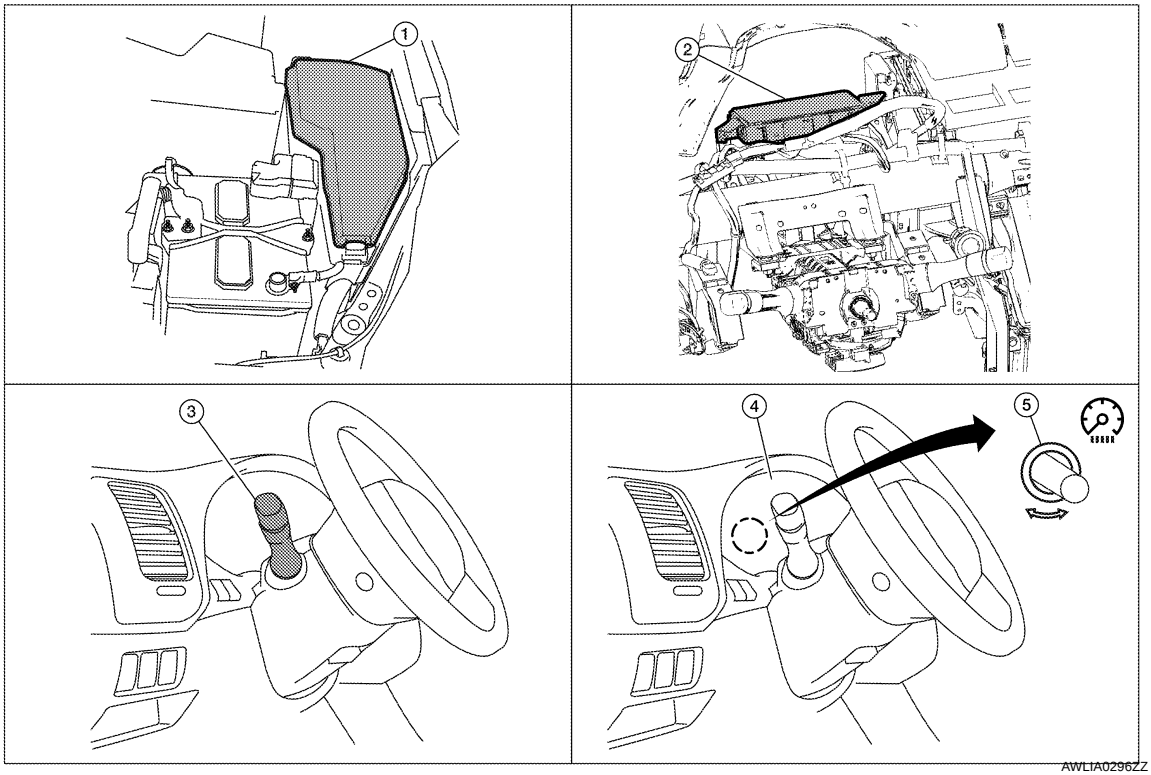
System Description

INFOID:0000000001830317

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

Component Parts Location

INFOID:0000000001830318



1. IPDM E/R E17, E18
2. BCM M16, M17, M18, M19 (view with instrument panel removed)
3. Combination switch M28
4. Combination meter M24
5. Illumination control switch (built into combination meter)

Component Description

INFOID:0000000001830319

ILLUMINATION OPERATION BY LIGHTING SWITCH

With the lighting switch in the 1ST or 2ND position (or if the auto light system is activated), the BCM receives input requesting the illumination lamps to illuminate. This input is communicated to the IPDM E/R across the CAN communication lines. The CPU of the IPDM E/R controls the tail lamp relay coil which, when energized, directs power

BATTERY SAVER CONTROL

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

DIAGNOSIS SYSTEM (BCM)

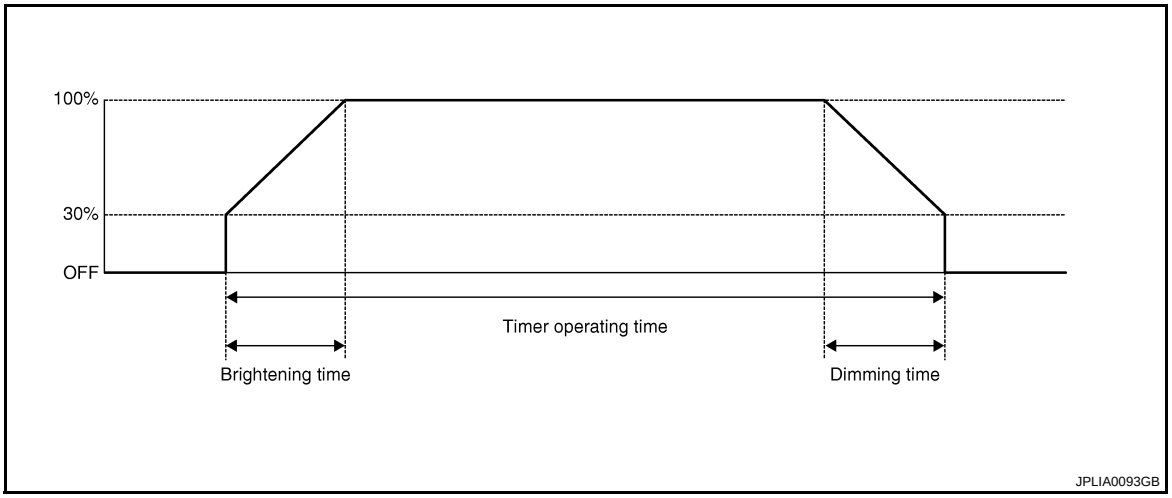
CONSULT-III Function

INFOID:0000000001830320

CONSULT-III can display each diagnostic item using the diagnostic test modes shown following.

Diagnostic mode	Description
WORK SUPPORT	Supports inspections and adjustments. Commands are transmitted to the BCM for setting the status suitable for required operation, input/output signals are received from the BCM and received data is displayed.
DATA MONITOR	Displays BCM input/output data in real time.
ACTIVE TEST	Operation of electrical loads can be checked by sending drive signal to them.
SELF-DIAG RESULTS	Displays BCM self-diagnosis results.
CAN DIAG SUPPORT MNTR	The result of transmit/receive diagnosis of CAN communication can be read.
ECU PART NUMBER	BCM part number can be read.
CONFIGURATION	Performs BCM configuration read/write functions.

WORK SUPPORT



Service item	Setting item	Setting	
SET I/L D-UNLCK INTCON	ON*	With the interior room lamp timer function	
	OFF	Without the interior room lamp timer function	
ROOM LAMP TIMER SET	MODE 2	7.5 sec.	Sets the interior room lamp ON time. (Timer operating time)
	MODE 3*	15 sec.	
	MODE 4	30 sec.	
ROOM LAMP ON TIME SET	MODE 1	0.5 sec.	Sets the interior room lamp gradual brightening time.
	MODE 2*	1 sec.	
	MODE 3	2 sec.	
	MODE 4	3 sec.	
	MODE 5	0 sec.	
ROOM LAMP OFF TIME SET	MODE 1	0.5 sec.	Sets the interior room lamp gradual dimming time.
	MODE 2	1 sec.	
	MODE 3	2 sec.	
	MODE 4*	3 sec.	

Service item	Setting item	Setting
R LAMP TIMER LOGIC SET	MODE 1* (ON)	Interior room lamp timer activates with synchronizing all doors.
	MODE 2 (OFF)	Interior room lamp timer activates with synchronizing the front door LH only.

* : Initial setting

DATA MONITOR

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 front request switch (passenger side)
PUSH SW [ON/OFF]	The switch status input from push-button ignition switch
ACC RLY-F/B [ON/OFF]	ACC relay feedback signal status input from ACC relay
UNLK SEN-DR [ON/OFF]	Door lock status input from front door LH
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 LH
DOOR SW-AS [ON/OFF]	The switch status input from front door switch RH
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]	**NOTE:** The item is indicated, not monitored.
CDL LOCK SW [ON/OFF]	Lock switch status received from central door lock switch by power window switch serial link
CDL UNLOCK SW [ON/OFF]	Unlock switch status received from central door lock 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 interior room lamp control signal to turn map lamp and personal lamp ON (Map lamp switch is in DOOR position).
	OFF	Stops the interior room lamp control signal to turn map lamp and personal lamp OFF.

Test item	Operation	Description
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	Outputs the luggage room lamp control signal to turn step lamp ON.
	OFF	Stops the luggage room lamp control signal to turn step lamp ON.

COMPONENT DIAGNOSIS

POWER SUPPLY AND GROUND CIRCUIT

BCM

BCM : Inspection Procedure

INFOID:0000000001830321

POWER SUPPLY AND GROUND CIRCUIT INSPECTION FOR BCM

For information about power and ground circuit inspection for the BCM, refer to BCS-36, "Diagnosis Procedure".

INTERIOR ROOM LAMP POWER SUPPLY CIRCUIT

Description

INFOID:0000000001830322

Provides the interior room lamp power supply. Also cuts the power supply when the interior room lamp battery saver is activating.

Component Function Check

INFOID:0000000001830323

1.CHECK INTERIOR ROOM LAMP POWER SUPPLY FUNCTION

CONSULT-III
1. Turn ignition switch ON.
2. Turn each interior room lamp ON.
- Front room/map lamps
- Room lamp (coupe)
- Personal lamps (sedan)
- Step lamps
- Vanity mirror lamps (if equipped)
- Trunk room lamp
3. Select "BATTERY SAVER" of BCM (BATTERY SAVER) active test item.
4. While operating the test items, check that each interior room lamp turns ON/OFF.

OFF : Interior room lamp OFF
ON : Interior room lamp ON

Does the interior room lamp turn ON/OFF?

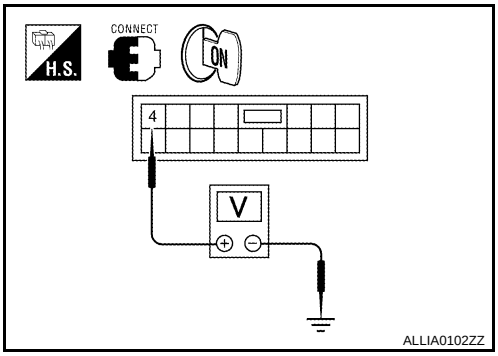
YES >> Interior room lamp power supply circuit is normal.
NO >> Refer to INL-16, "Diagnosis Procedure".

Diagnosis Procedure

INFOID:0000000001830324

1.CHECK INTERIOR ROOM LAMP POWER SUPPLY OUTPUT

CONSULT-III
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 M17 terminal 4 and ground.



(+)		(-)	Test item	Voltage
BCM		Ground	BATTERY SAVER	
Connector	Terminal			
M17	4		OFF	0V
			ON	Battery voltage

Is the measurement value normal?

YES >> GO TO 2
NO >> Replace BCM. Refer to BCS-88, "Removal and Installation".

2.CHECK INTERIOR ROOM LAMP POWER SUPPLY OPEN CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect the following connectors.
- BCM M17
- Front room/map lamp assembly
- Room lamp (coupe)
- Vanity mirror lamp LH (if equipped)
- Vanity mirror lamp RH (if equipped)
- Trunk room lamp
- Step lamp LH

- Step lamp RH

3. Check continuity between BCM harness connector M17 terminal 4 and each interior room lamp harness connector.

BCM		Each interior room lamp			Continuity
Connector	Terminal	Connector		Terminal	
M17	4	Front room/map lamp assembly	R50	1	Yes
		Room lamp (coupe)	R14	1	
		Vanity mirror lamp LH	R3	2	
		Vanity mirror lamp RH	R9	2	
		Trunk room lamp	B36	1	
		Step lamp LH	D11	1	
		Step lamp RH	D109	1	

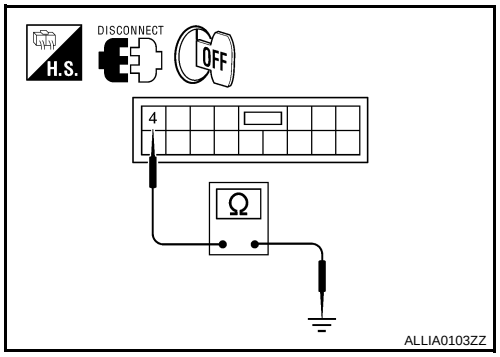
Does continuity exist?

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

3. CHECK INTERIOR ROOM LAMP POWER SUPPLY SHORT CIRCUIT

Check continuity between BCM harness connector M17 terminal 4 and ground.

BCM		Ground	Continuity
Connector	Terminal		
M17	4		No



Does continuity exist?

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

INTERIOR ROOM LAMP CONTROL CIRCUIT

Description

INFOID:0000000001830325

Controls each interior room lamp (ground side) by PWM signal.
NOTE:
PWM signal control period is approximately 250 Hz (in the gradual brightening/dimming).

Component Function Check

INFOID:0000000001830326

CAUTION:
Before performing the diagnosis, check that the following is normal.
- **Interior room lamp power supply**
- **Front room/map lamp bulbs**
- **Personal lamp bulbs**

1.CHECK INTERIOR ROOM LAMP CONTROL FUNCTION

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

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

Do the interior room lamps turn ON/OFF (gradual brightening/dimming)?

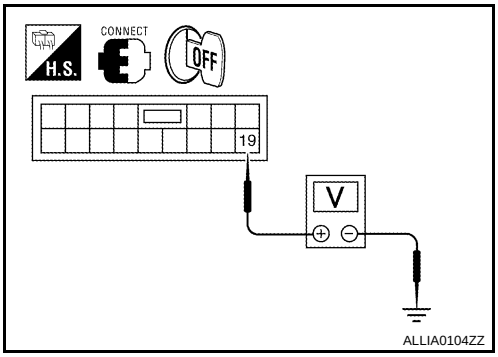
YES >> Interior room lamp control circuit is normal.
NO >> Refer to INL-18, "Diagnosis Procedure".

Diagnosis Procedure

INFOID:0000000001830327

1.CHECK INTERIOR ROOM LAMP CONTROL OUTPUT

CONSULT-III
1. Turn ignition switch OFF.
2. Select “INT LAMP” of BCM (INT LAMP) active test item.
3. While operating the test item, check voltage between BCM harness connector M17 terminal 19 and ground.



BCM		Ground	Test item	Voltage
Connector	Terminal		INT LAMP	
M17	19		ON	0V
			OFF	Battery voltage

Are voltage readings as specified?

YES >> GO TO 2
Fixed ON>>GO TO 3
Fixed OFF>> Replace BCM. Refer to BCS-88, "Removal and Installation".

2.CHECK INTERIOR ROOM LAMP CONTROL OPEN CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect BCM connector M17, front room/map lamp assembly and room lamp (coupe) connectors.
3. Check continuity between BCM harness connector M17 terminal 19 and each interior room lamp harness connector.

BCM		Interior room lamp		Continuity
Connector	Terminal	Connector	Terminal	

M17	19	Front room/map lamp assembly	R50	2	Yes
		Room lamp (coupe)	R14	2	

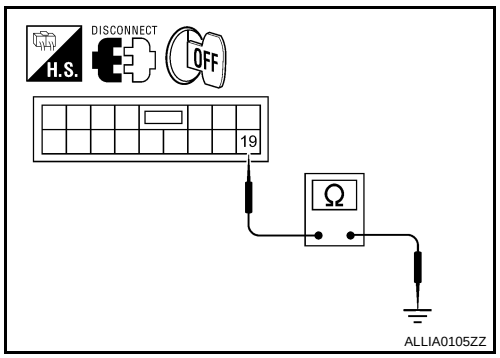
Does continuity exist?

YES >> Replace the front room/map lamp assembly or the room lamp. Refer to INL-77, "Removal and Installation".

NO >> Repair the harnesses or connectors.

3. CHECK INTERIOR ROOM LAMP CONTROL SHORT CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect BCM connector M17 and front room/map lamp assembly harness connectors.
3. Check continuity between BCM harness connector M17 terminal 19 and ground.



BCM		Ground	Continuity
Connector	Terminal		
M17	19		No

Does continuity exist?

YES >> Repair the harnesses or connectors.

NO >> Replace BCM. Refer to BCS-88, "Removal and Installation".

STEP LAMP CIRCUIT

Description

INFOID:0000000001830328

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

Component Function Check

INFOID:0000000001830329

CAUTION:
Before performing the diagnosis, check that the following is normal.
- **Interior room lamp power supply**
- **Step lamp bulb**

1.CHECK STEP LAMP OPERATION

CONSULT-III
1. Turn ignition switch ON.
2. Select "STEP LAMP TEST" of BCM (INT LAMP) active test item.
3. While operating the test items, check that step lamp turns ON/OFF.

ON : Step lamp ON
OFF : Step lamp OFF

Does the step lamp turn ON/OFF?

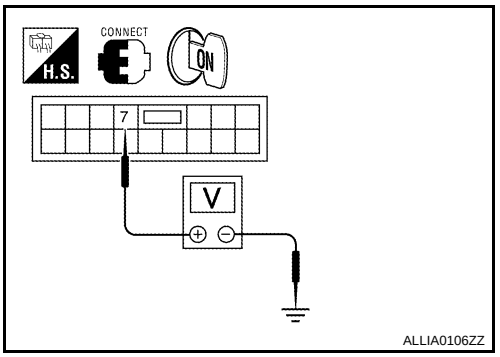
YES >> Step lamp circuit is operating.
NO >> Refer to INL-20, "Diagnosis Procedure".

Diagnosis Procedure

INFOID:0000000001830330

1.CHECK STEP LAMP OUTPUT

CONSULT-III
1. Turn ignition switch ON.
2. Select “STEP LAMP TEST” of BCM (INT LAMP) active test item.
3. While operating the test item, check voltage between BCM harness connector M17 terminal 7 and ground.



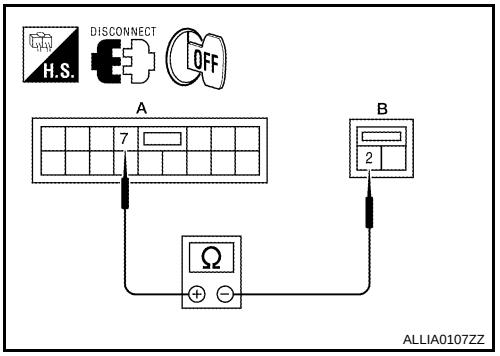
BCM		Ground	Test item	Voltage
Connector	Terminal		STEP LAMP TEST	
M17	7		ON	0V
			OFF	Battery voltage

Are the voltage readings as specified?

YES >> GO TO 2
Fixed ON>>GO TO 3
Fixed OFF>> Replace BCM. Refer to BCS-88, "Removal and Installation".

2.CHECK STEP LAMP OPEN CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect BCM connector M17 and step lamp LH and RH connector.
3. Check continuity between BCM harness connector M17 (A) terminal 7 and step lamp harness connector (B) terminal 2.



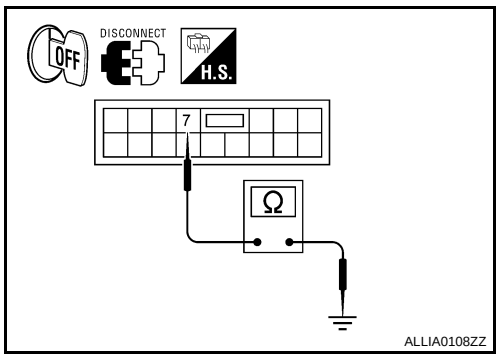
BCM		Step lamp			Continuity
Connector	Terminal	Connector		Terminal	
M17 (A)	7	LH	D11 (B)	2	Yes
		RH	D109 (B)	2	

Does continuity exist?

YES >> Replace step lamp. Refer to INL-77, "Removal and Installation".
NO >> Repair harnesses or connectors.

3. CHECK STEP LAMP SHORT CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect BCM connector M17 and step lamp LH and RH connectors.
3. Check continuity between BCM harness connector M17 terminal 7 and ground.



BCM		Ground	Continuity
Connector	Terminal		
M17	7		No

Does continuity exist?

YES >> Repair the harnesses or connectors.
NO >> Replace BCM. Refer to BCS-88, "Removal and Installation".

TRUNK ROOM LAMP CIRCUIT

Description

INFOID:0000000001830331

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

Component Function Check

INFOID:0000000001830332

CAUTION:
Before performing the diagnosis, check that the following is normal.
- **Interior room lamp power supply**
- **Trunk room lamp bulb**

1.CHECK TRUNK ROOM LAMP OPERATION

CONSULT-III
1. Turn ignition switch ON.
2. Select “LUGGAGE LAMP TEST” of BCM (INT LAMP) active test item.
3. While operating the test items, check that trunk room lamp turns ON/OFF.

ON : Trunk room lamp ON
OFF : Trunk room lamp OFF

Does the trunk room lamp turn ON/OFF?

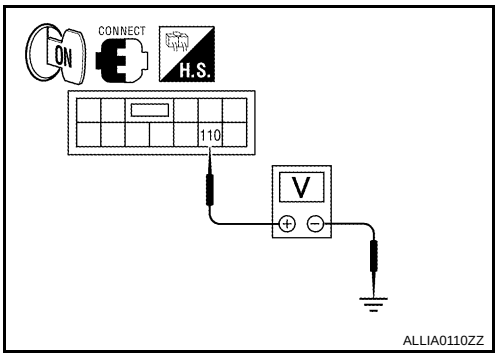
YES >> Trunk room lamp circuit is normal.
NO >> Refer to INL-20, "Diagnosis Procedure".

Diagnosis Procedure

INFOID:0000000001830333

1.CHECK TRUNK ROOM LAMP OUTPUT

CONSULT-III
1. Turn ignition switch ON.
2. Select “LUGGAGE LAMP TEST” of BCM (INT LAMP) active test item.
3. While operating the test item, check voltage between BCM harness connector M20 terminal 110 and ground.



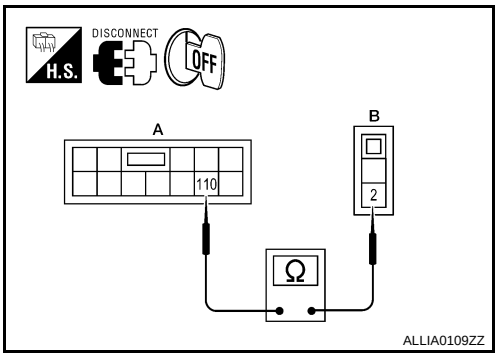
BCM		Ground	Test item	Voltage
Connector	Terminal		LUGGAGE LAMP TEST	
M20	110		ON	0V
			OFF	Battery voltage

Are the voltage readings as specified?

YES >> GO TO 2
Fixed ON>>GO TO 3
Fixed OFF>> Replace BCM. Refer to BCS-88, "Removal and Installation".

2.CHECK TRUNK ROOM LAMP OPEN CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect BCM connector M20 and trunk room lamp connector.
3. Check continuity between BCM harness connector M20 (A) terminal 110 and trunk room lamp harness connector B36 (B) terminal 2.



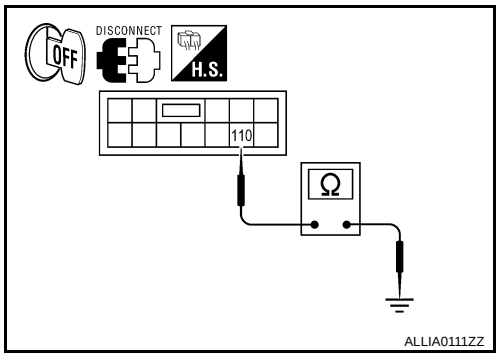
BCM		Trunk room lamp		Continuity
Connector	Terminal	Connector	Terminal	
M20	110	B36	2	Yes

Does continuity exist?

YES >> Replace trunk room lamp. Refer to INL-77, "Removal and Installation".
NO >> Repair harnesses or connectors.

3. CHECK TRUNK ROOM LAMP SHORT CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect BCM connector M20 and trunk room lamp connector.
3. Check continuity between BCM harness connector M20 terminal 110 and ground.



BCM		Ground	Continuity
Connector	Terminal		
M20	110		No

Does continuity exist?

YES >> Repair harnesses or connectors.
NO >> Replace BCM. Refer to BCS-88, "Removal and Installation".

PUSH-BUTTON IGNITION SWITCH ILLUMINATION CIRCUIT

Description

INFOID:0000000001830334

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

Component Function Check

INFOID:0000000001830335

1.CHECK PUSH-BUTTON IGNITION SWITCH ILLUMINATION OPERATION

CONSULT-III
1. Turn the ignition switch ON.
2. Select “ENGINE SW ILLUMI” of BCM (INTELLGENT KEY) active test item.
3. While operating the test items, check that the push-button ignition switch illumination turns ON/OFF

ON : Push-button ignition switch illumination ON
OFF : Push-button ignition switch illumination OFF

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

YES >> Push-button ignition switch illumination circuit is normal.
NO >> Refer to INL-24, "Diagnosis Procedure".

Diagnosis Procedure

INFOID:0000000001830336

1.CHECK ILLUMINATION CONTROL SWITCHING OPERATION

1. Turn the ignition switch ON.
2. While operating the lighting switch, check that the push-button ignition switch illumination turns ON/OFF

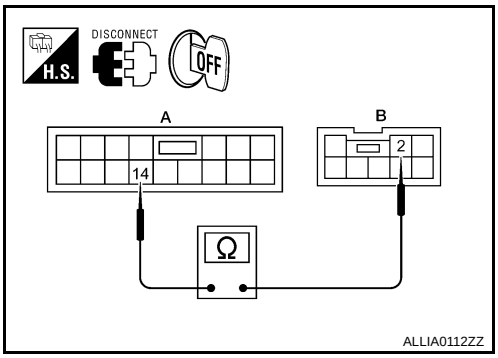
Condition	Push-button ignition switch illumination
• Ignition switch ON • Lighting switch 1ST	ON
• Ignition switch OFF • Lighting switch OFF • Driver door LOCK	OFF

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

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

2.CHECK PUSH-BUTTON IGNITION SWITCH ILLUMINATION GROUND CIRCUIT

1. Turn the ignition switch OFF.
2. Disconnect BCM connector M17 and the push-button ignition switch connector.
3. Check continuity between BCM harness connector M17 (A) terminal 14 and the push-button ignition switch harness connector M38 (B) terminal 2.



BCM		Push-button ignition switch		Continuity
Connector	Terminal	Connector	Terminal	
M17 (A)	14	M38 (B)	2	Yes

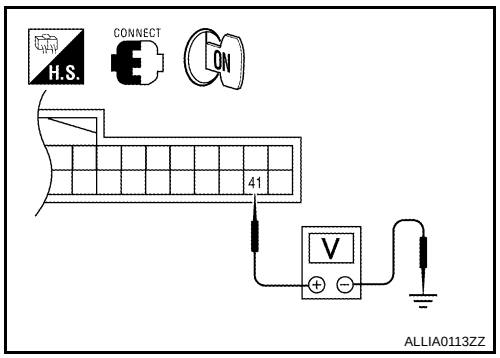
Does continuity exist?

YES >> Replace BCM. Refer to BCS-88, "Removal and Installation".
NO >> Repair the harness or the connector.

3.CHECK PUSH-BUTTON IGNITION SWITCH ILLUMINATION POWER SUPPLY OUTPUT

CONSULT-III
1. Turn the ignition switch ON.
2. Select “ENGINE SW ILLUMI” of BCM (INTELLIGENT KEY) active test item.

3. While operating the test item, check voltage between BCM harness connector M18 terminal 41 and ground.



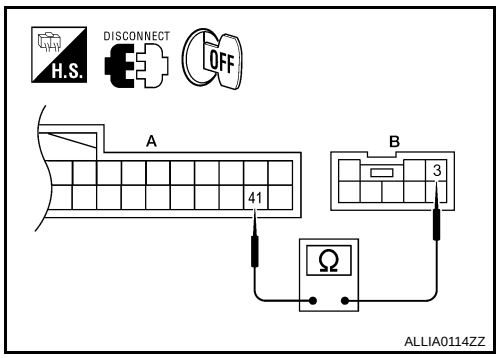
Terminals			Test item	Voltage
(+)		(-)		
BCM		Ground	ENGINE SW ILLUMI	
Connector	Terminal			
M18	41		ON	5V
			OFF	0V

Is the measurement value normal?

YES >> GO TO 4
NO >> GO TO 5

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

1. Turn the ignition switch OFF.
2. Disconnect BCM connector M18 and the push-button ignition switch connector.
3. Check continuity between BCM harness connector M18 (A) terminal 41 and the push-button ignition switch harness connector M38 (B) terminal 3.



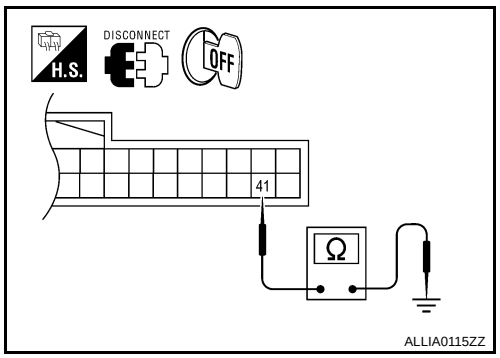
BCM		Push-button ignition switch		Continuity
Connector	Terminal	Connector	Terminal	
M18 (A)	41	M38 (B)	3	Yes

Does continuity exist?

YES >> Replace push-button ignition switch.
NO >> Repair the harness or the connector.

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

1. Turn the ignition switch OFF.
2. Disconnect BCM connector M18 and the push-button ignition switch connector.
3. Check continuity between BCM harness connector M18 terminal 41 and ground.



BCM		Ground	Continuity
Connector	Terminal		
M18	41		No

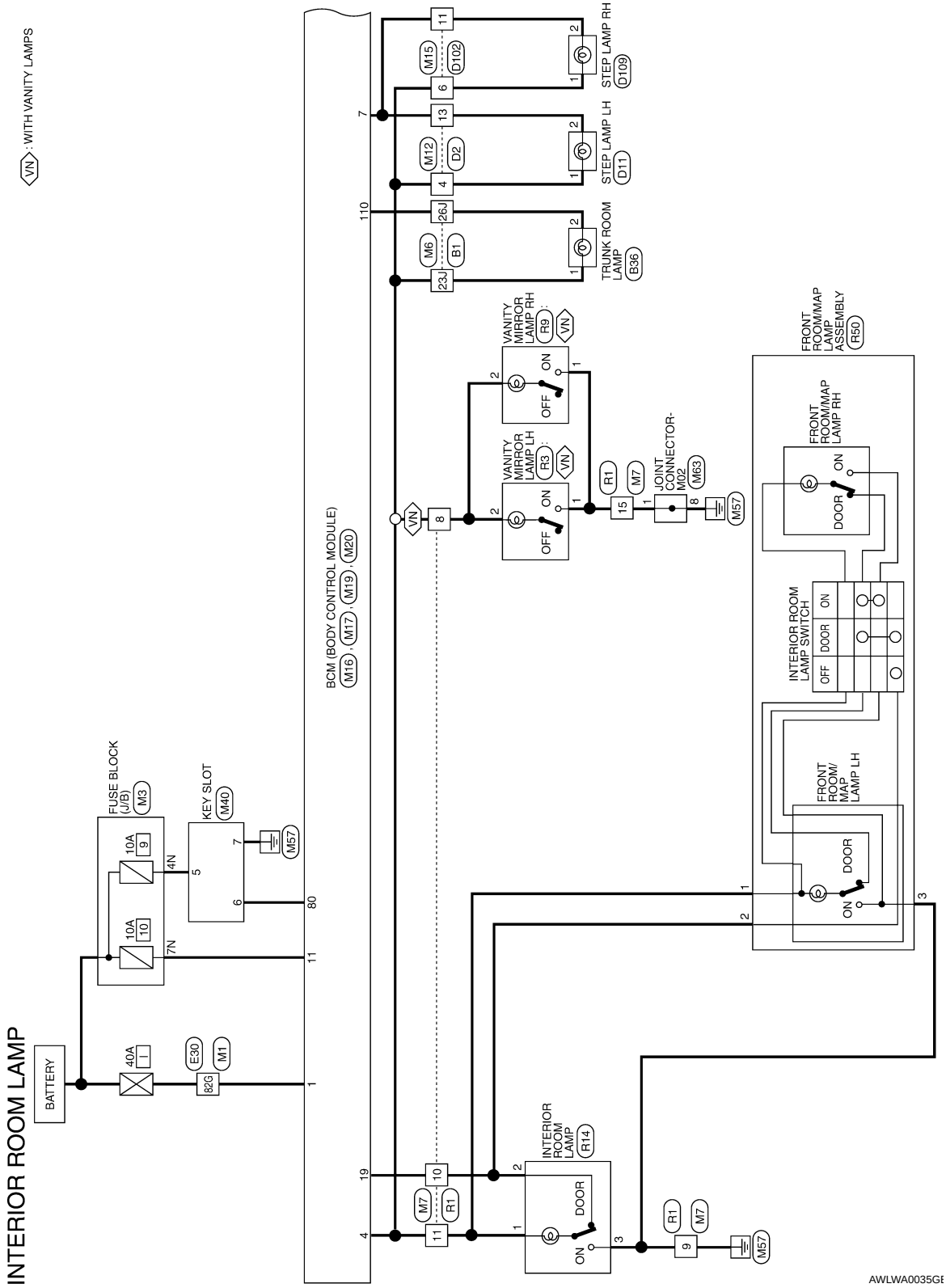
Does continuity exist?

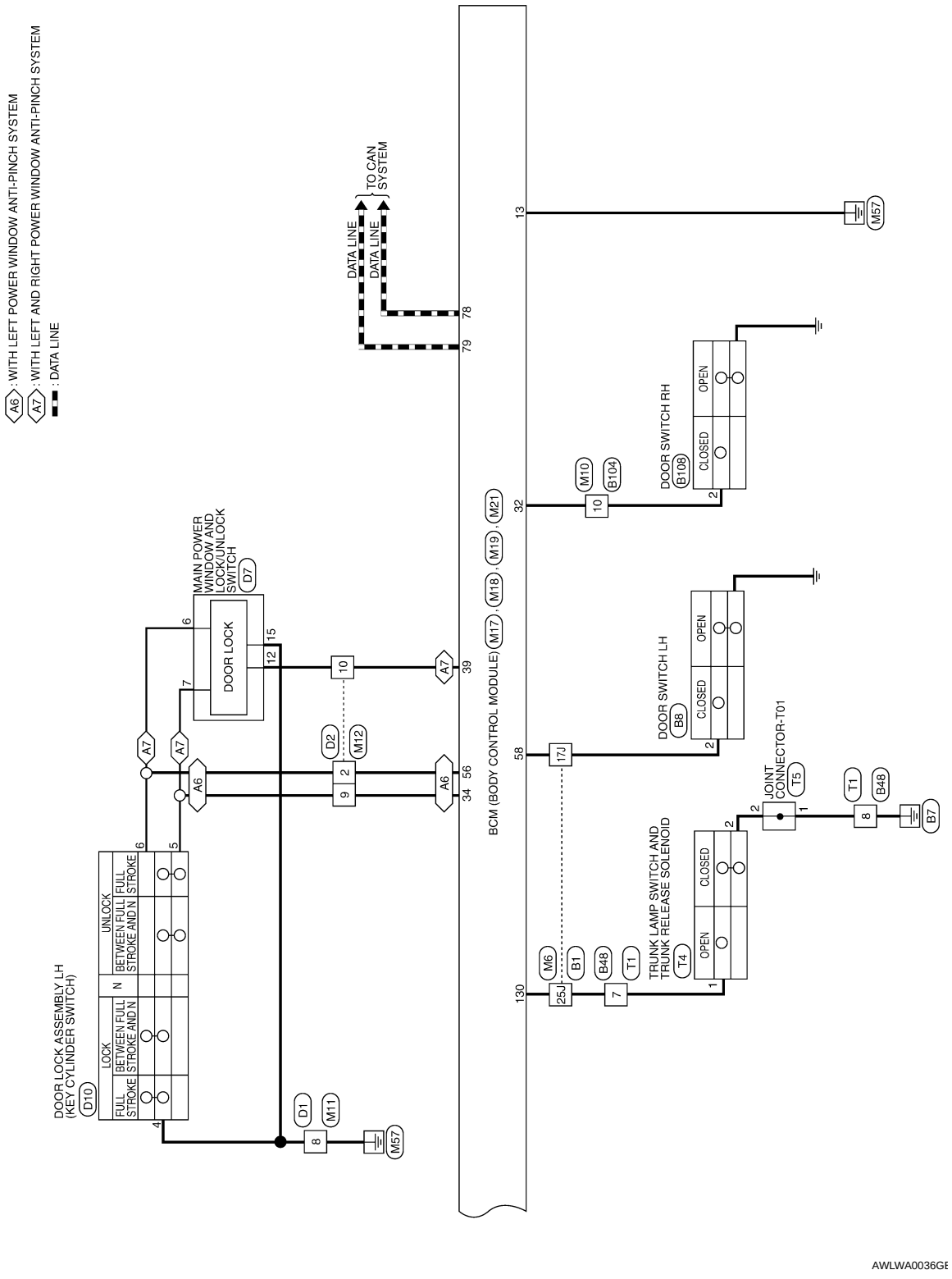
YES >> Repair the harness or the connector.
NO >> Replace BCM. Refer to BCS-88, "Removal and Installation".

INTERIOR ROOM LAMP CONTROL SYSTEM

Wiring Diagram - Coupe

INFOID:0000000001830337





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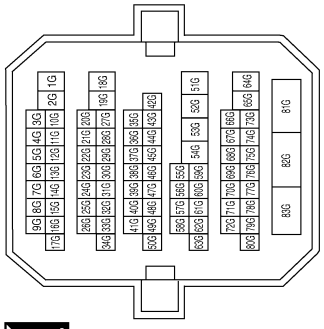
INTERIOR ROOM LAMP CONNECTORS

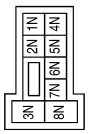
Connector No.	M1
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.



Terminal No.	Color of Wire	Signal Name
82G	W/B	—

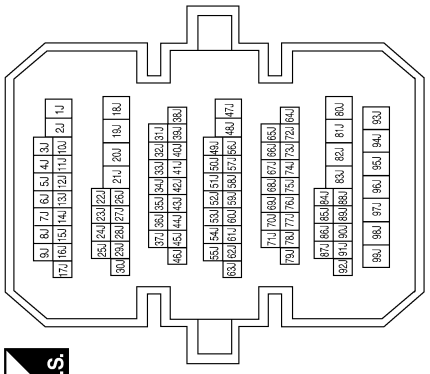
Connector No.	M3
Connector Name	FUSE BLOCK (J/B)
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
4N	G/Y	—
7N	Y/R	—

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Color	WHITE

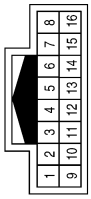
H.S.



Terminal No.	Color of Wire	Signal Name
17J	SB	—
23J	P/W	—
25J	Y/G	—
26J	V/W	—

Connector No.	M7
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.



Terminal No.	Color of Wire	Signal Name
8	P/W	—
9	B	—
10	Y	—
11	P/W	—
15	B	—

AWLIA0174GB

Connector No.	M10
Connector Name	WIRE TO WIRE
Connector Color	BROWN

H.S.

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

Terminal No.	Color of Wire	Signal Name
10	R/B	—

Connector No.	M11
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

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

Terminal No.	Color of Wire	Signal Name
8	B	—

Connector No.	M12
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

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

Terminal No.	Color of Wire	Signal Name
2	L/B	—
4	P/W	—
9	L/R	—
10	Y/G	—
13	R/W	—

Connector No.	M15
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

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

Terminal No.	Color of Wire	Signal Name
6	P/W	—
11	R/W	—

Connector No.	M16
Connector Name	BCM (BODY CONTROL MODULE)
Connector Color	BLACK

H.S.

1	3
2	

Terminal No.	Color of Wire	Signal Name
1	W/B	BAT_POWER_F/L

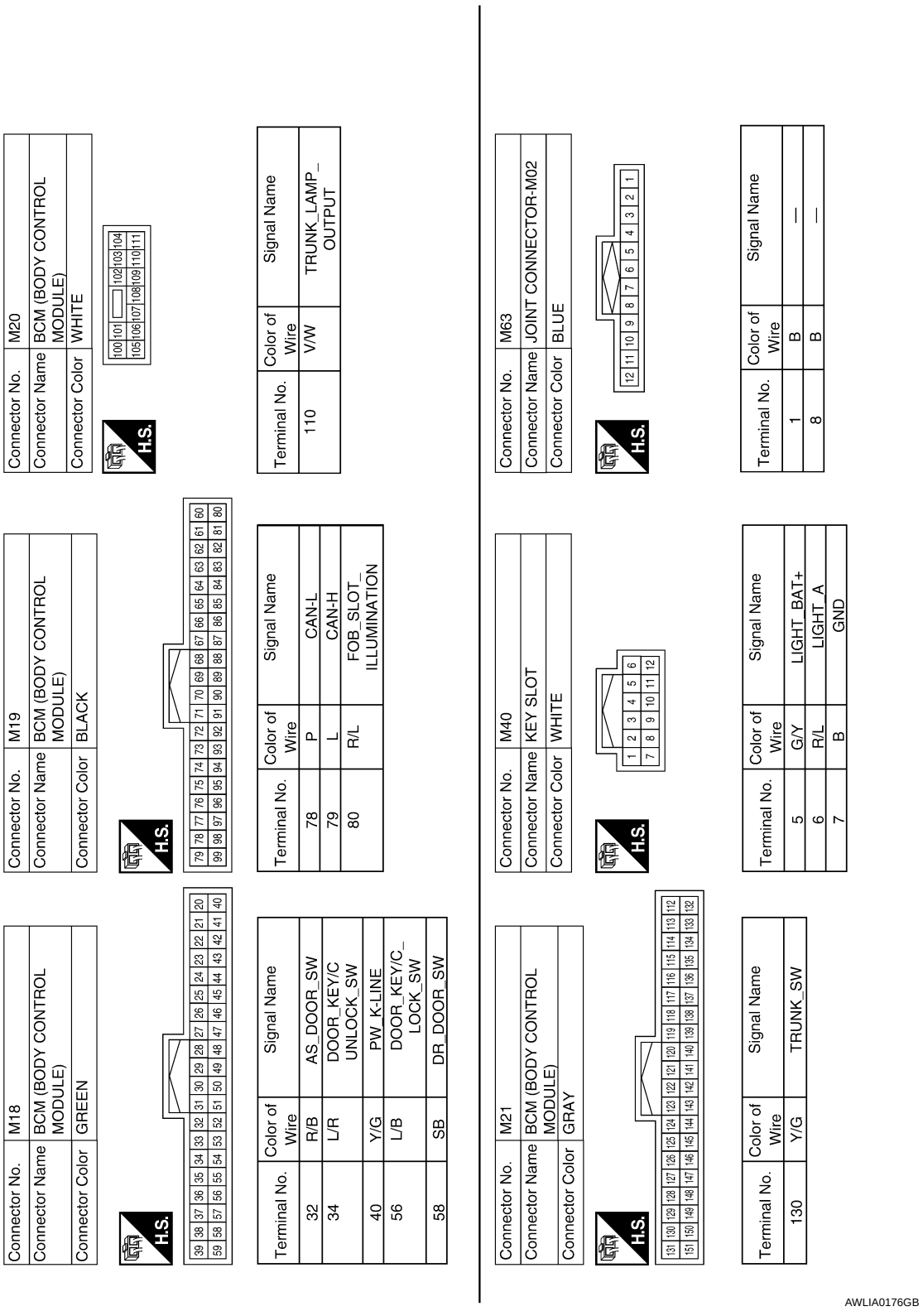
Connector No.	M17
Connector Name	BCM (BODY CONTROL MODULE)
Connector Color	WHITE

H.S.

4	5	6	7		8	9	10
11	12	13	14	15	16	17	18	19

Terminal No.	Color of Wire	Signal Name
4	P/W	ROOM_LAMP_BAT_SAVER
7	R/W	STEP_LAMP_OUTPUT
11	Y/R	BAT_BCM_FUSE
13	B	GND1
19	Y	ROOM_LAMP_OUTPUT

AWLIA0175GB


Connector No. M18
Connector Name BCM (BODY CONTROL MODULE)
Connector Color GREEN
H.S.
39 38 37 36 35 34 33 32 31 30 29 28 27 26 25 24 23 22 21 20
59 58 57 56 55 54 53 52 51 50 49 48 47 46 45 44 43 42 41 40
Terminal No. Color of Wire Signal Name
32 R/B AS_DOOR_SW
34 L/R DOOR_KEY/C UNLOCK_SW
40 Y/G PW_K-LINE
56 L/B DOOR_KEY/C_ LOCK_SW
58 SB DR_DOOR_SW
Connector No. M19
Connector Name BCM (BODY CONTROL MODULE)
Connector Color BLACK
H.S.
79 78 77 76 75 74 73 72 71 70 69 68 67 66 65 64 63 62 61 60
99 98 97 96 95 94 93 92 91 90 89 88 87 86 85 84 83 82 81 80
Terminal No. Color of Wire Signal Name
78 P CAN-L
79 L CAN-H
80 R/L FOB_SLOT_ ILLUMINATION
Connector No. M20
Connector Name BCM (BODY CONTROL MODULE)
Connector Color WHITE
H.S.
100 101 102 103 104
105 106 107 108 109 110 111
Terminal No. Color of Wire Signal Name
110 V/W TRUNK_LAMP_ OUTPUT
Connector No. M21
Connector Name BCM (BODY CONTROL MODULE)
Connector Color GRAY
H.S.
131 130 129 128 127 126 125 124 123 122 121 120 119 118 117 116 115 114 113 112
151 150 149 148 147 146 145 144 143 142 141 140 139 138 137 136 135 134 133 132
Terminal No. Color of Wire Signal Name
130 Y/G TRUNK_SW
Connector No. M40
Connector Name KEY SLOT
Connector Color WHITE
H.S.
1 2 3 4 5 6
7 8 9 10 11 12
Terminal No. Color of Wire Signal Name
5 G/Y LIGHT_BAT+
6 R/L LIGHT_A
7 B GND
Connector No. M63
Connector Name JOINT CONNECTOR-M02
Connector Color BLUE
H.S.
12 11 10 9 8 7 6 5 4 3 2 1
Terminal No. Color of Wire Signal Name
1 B —
8 B —
AWLIA0176GB

Terminal No.	Color of Wire	Signal Name
17J	SB	—
22J	R/B	—
23J	P	—
25J	Y/G	—
26J	V/W	—

Connector No.	B1
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
82G	W/B	—

Connector No.	E30
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

Connector No.	B48
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
7	Y/G	–
8	B	–

Connector No.	B36
Connector Name	TRUNK ROOM LAMP
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
1	P	—
2	V/W	—

Connector No.	B8
Connector Name	DOOR SWITCH LH
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
2	SB	DOOR SW(DR)

AWLIA0177GB

Connector No.	B104
Connector Name	WIRE TO WIRE
Connector Color	BROWN

H.S.

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

Terminal No.	Color of Wire	Signal Name
10	R/B	—

Connector No.	B108
Connector Name	DOOR SWITCH RH
Connector Color	WHITE

H.S.

1
2
3

Terminal No.	Color of Wire	Signal Name
2	R/B	DOOR SW (AS)

Connector No.	T1
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

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

Terminal No.	Color of Wire	Signal Name
7	Y/G	—
8	B	—

Connector No.	T4
Connector Name	TRUNK LAMP SWITCH AND TRUNK RELEASE SOLENOID
Connector Color	WHITE

H.S.

2	1
4	3

Terminal No.	Color of Wire	Signal Name
1	Y/G	—
2	B	—

Connector No.	T5
Connector Name	JOINT CONNECTOR-T01
Connector Color	WHITE

H.S.

4	3	2	1

Terminal No.	Color of Wire	Signal Name
1	B	—
2	B	—

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

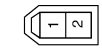
H.S.

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

Terminal No.	Color of Wire	Signal Name
8	P	—
9	W	—
10	W	—
11	W	—
15	B	—

AWLIA0178GB

Connector No.	R3
Connector Name	VANITY MIRROR LAMP LH
Connector Color	WHITE

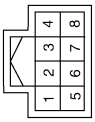


Terminal No.	Color of Wire	Signal Name
1	B	GND
2	P	ROOM_LAMP_BAT_SAVER

Connector No.	R9
Connector Name	VANITY MIRROR LAMP RH
Connector Color	WHITE

Terminal No.	Color of Wire	Signal Name
1	B	GND
2	P	ROOM_LAMP_BAT_SAVER

Connector No.	R14
Connector Name	INTERIOR ROOM LAMP
Connector Color	—

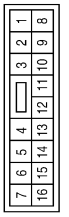


Terminal No.	Color of Wire	Signal Name
1	W	—
3	W	—
4	R	—

Connector No.	R50
Connector Name	FRONT ROOM/MAP LAMP ASSEMBLY
Connector Color	GRAY

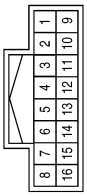
Terminal No.	Color of Wire	Signal Name
1	W	—
2	W	—
3	W	—

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



Terminal No.	Color of Wire	Signal Name
8	B	—

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



Terminal No.	Color of Wire	Signal Name
2	L/B	—
4	P/W	—
9	L/R	—
10	Y/G	—
13	R/W	—

AWLIA0179GB

Connector No.	D7
Connector Name	MAIN POWER WINDOW AND LOCK/UNLOCK SWITCH (WITH LEFT AND RIGHT POWER WINDOW ANTI-PINCH SYSTEM)
Connector Color	WHITE

H.S.

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

Terminal No.	Color of Wire	Signal Name
6	L/B	LOCK
7	L/R	UNLOCK
12	Y/G	COM
15	B	GND

Connector No.	D7
Connector Name	MAIN POWER WINDOW AND LOCK/UNLOCK SWITCH (WITH LEFT POWER WINDOW ANTI-PINCH SYSTEM)
Connector Color	WHITE

H.S.

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

Terminal No.	Color of Wire	Signal Name
6	GR/R	UNLOCK

Connector No.	D10
Connector Name	DOOR LOCK ASSEMBLY LH
Connector Color	GRAY

H.S.

1	2	3	4	5	6

Terminal No.	Color of Wire	Signal Name
4	B	GND
5	L/R	DOOR_KEY/C_UNLOCK_SW
6	L/B	DOOR_KEY/C_LOCK_SW

Connector No.	D11
Connector Name	STEP LAMP LH
Connector Color	WHITE

H.S.

2	1

Terminal No.	Color of Wire	Signal Name
1	P/W	—
2	R/W	—

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

H.S.

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

Terminal No.	Color of Wire	Signal Name
6	P/W	—
11	R/W	—

Connector No.	D109
Connector Name	STEP LAMP RH
Connector Color	WHITE

H.S.

2	1

Terminal No.	Color of Wire	Signal Name
1	P/W	—
2	R/W	—

AWLIA0180GB

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

H.S.

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

Terminal No.	Color of Wire	Signal Name
8	B	—

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

H.S.

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

Terminal No.	Color of Wire	Signal Name
2	L/B	—
4	P/W	—
9	L/R	—
10	Y/G	—
13	R/W	—

Connector No.	D7
Connector Name	MAIN POWER WINDOW AND LOCK/UNLOCK SWITCH (WITH LEFT AND RIGHT POWER WINDOW ANTI-PINCH SYSTEM)
Connector Color	WHITE

H.S.

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

Terminal No.	Color of Wire	Signal Name
6	L/B	LOCK
7	L/R	UNLOCK
12	Y/G	COM
15	B	GND

Connector No.	D7
Connector Name	MAIN POWER WINDOW AND LOCK/UNLOCK SWITCH (WITH LEFT POWER WINDOW ANTI-PINCH SYSTEM)
Connector Color	WHITE

H.S.

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

Terminal No.	Color of Wire	Signal Name
6	GR/R	UNLOCK

Connector No.	D10
Connector Name	DOOR LOCK ASSEMBLY LH
Connector Color	GRAY

H.S.

1	2	3	4	5	6

Terminal No.	Color of Wire	Signal Name
4	B	GND
5	L/R	DOOR_KEY/C_ UNLOCK_SW
6	L/B	DOOR_KEY/C_ LOCK_SW

Connector No.	D11
Connector Name	STEP LAMP LH
Connector Color	WHITE

H.S.

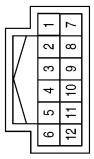
2	1

Terminal No.	Color of Wire	Signal Name
1	P/W	—
2	R/W	—

AWLIA0181GB

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

H.S.



Terminal No.	Color of Wire	Signal Name
6	P/W	—
11	R/W	—

Connector No.	D109
Connector Name	STEP LAMP RH
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
1	P/W	—
2	R/W	—

ALJIA0046GB

Wiring Diagram - Sedan

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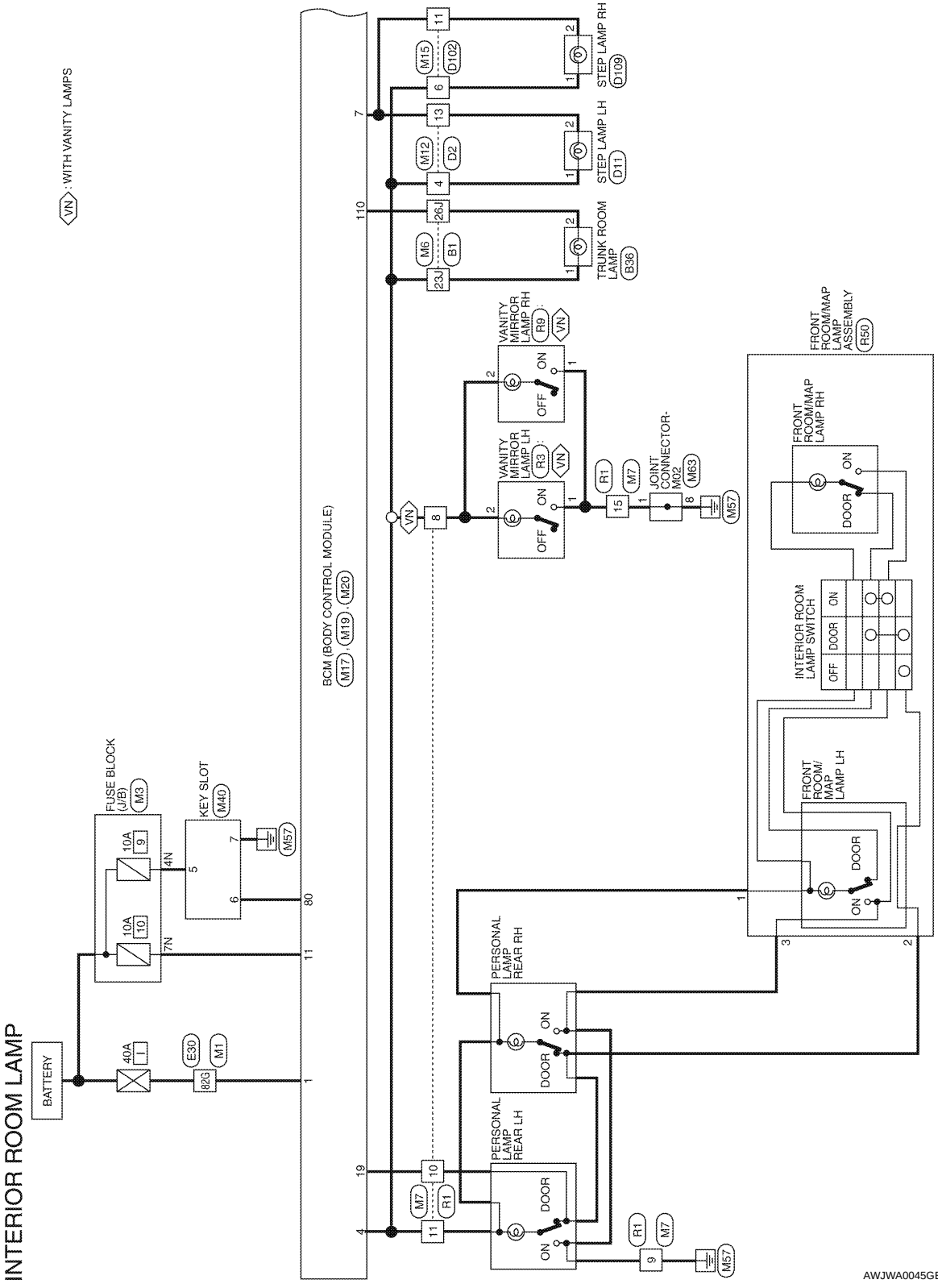
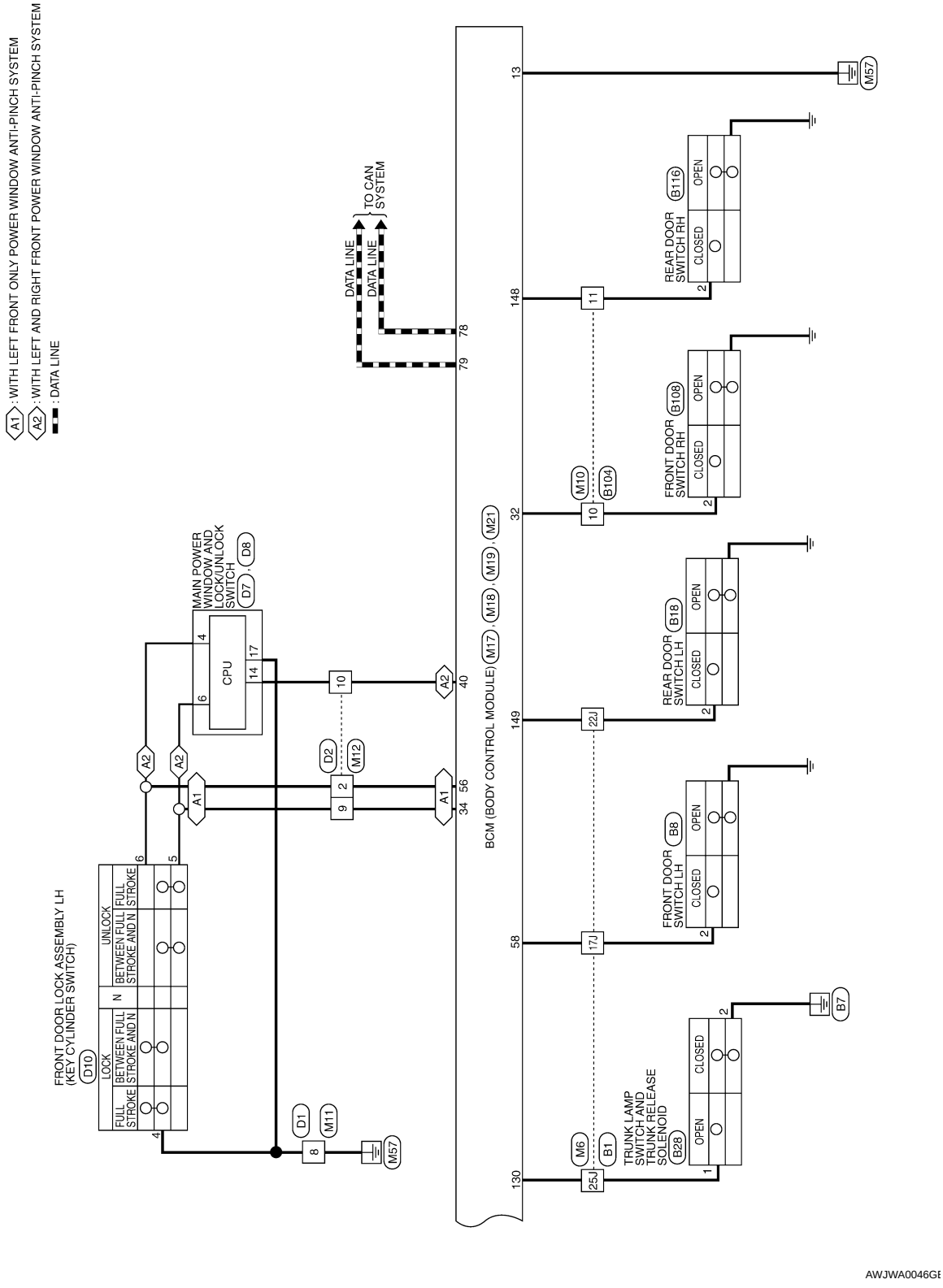
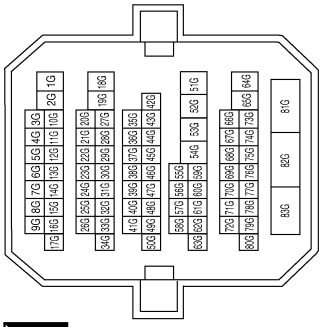



A1 : WITH LEFT FRONT ONLY POWER WINDOW ANTI-PINCH SYSTEM
A2 : WITH LEFT AND RIGHT FRONT POWER WINDOW ANTI-PINCH SYSTEM
: DATA LINE
FRONT DOOR LOCK ASSEMBLY LH (KEY CYLINDER SWITCH)
D10
LOCK
UNLOCK
FULL STROKE
BETWEEN FULL STROKE AND N
N
BETWEEN FULL STROKE AND N
FULL STROKE
MAIN POWER WINDOW AND LOCK/UNLOCK SWITCH
D7 , D8
CPU
DATA LINE
DATA LINE
TO CAN SYSTEM
BCM (BODY CONTROL MODULE) M17 , M18 , M19 , M21
REAR DOOR SWITCH RH
B116
FRONT DOOR SWITCH RH
B108
REAR DOOR SWITCH LH
B18
FRONT DOOR SWITCH LH
B8
TRUNK LAMP SWITCH AND TRUNK RELEASE SOLENOID
B28
OPEN
CLOSED
M57
M10
B104
M6
B1
B7
D1
M11
D2
M12
AWJWA0046GE

INTERIOR ROOM LAMP CONNECTORS

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

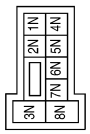
H.S.



Terminal No.	Color of Wire	Signal Name
82G	W/B	—

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

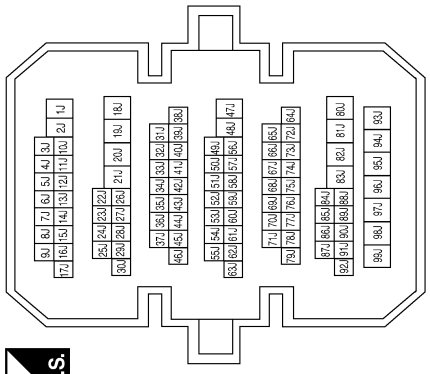
H.S.



Terminal No.	Color of Wire	Signal Name
4N	G/Y	—
7N	Y/R	—

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Color	WHITE

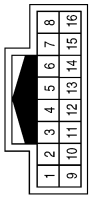
H.S.



Terminal No.	Color of Wire	Signal Name
17J	SB	—
22J	R/B	—
23J	P/W	—
25J	Y/G	—
26J	V/W	—

Connector No.	M7
Connector Name	WIRE TO WIRE
Connector Color	WHITE

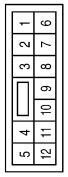
H.S.



Terminal No.	Color of Wire	Signal Name
8	P/W	—
9	B	—
10	Y	—
11	P/W	—
15	B	—

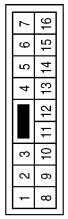
AWJIA0126GB

Connector No.	M10
Connector Name	WIRE TO WIRE
Connector Color	BROWN



Terminal No.	Color of Wire	Signal Name
10	R/B	—
11	R/W	—

Connector No.	M11
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
8	B	—

Connector No.	M12
Connector Name	WIRE TO WIRE
Connector Color	WHITE

Terminal No.	Color of Wire	Signal Name
2	L/B	—
4	P/W	—
9	L/R	—
10	Y/G	—
13	R/W	—

Connector No.	M15
Connector Name	WIRE TO WIRE
Connector Color	WHITE

Terminal No.	Color of Wire	Signal Name
6	P/W	—
11	R/W	—

Connector No.	M16
Connector Name	BCM (BODY CONTROL MODULE)
Connector Color	BLACK

Terminal No.	Color of Wire	Signal Name
1	W/B	BAT_POWER_F/L

Connector No.	M17
Connector Name	BCM (BODY CONTROL MODULE)
Connector Color	WHITE

Terminal No.	Color of Wire	Signal Name
4	P/W	ROOM_LAMP_BAT_SAVER
7	R/W	STEP_LAMP_OUTPUT
11	Y/R	BAT_BCM_FUSE
13	B	GND1
19	Y	ROOM_LAMP_OUTPUT

ALJIA0039GB

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

H.S.

39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20
59	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40

Terminal No.	Color of Wire	Signal Name
32	R/B	AS_DOOR_SW
34	L/R	DOOR_KEY/C UNLOCK_SW
40	Y/G	PW_K-LINE
56	L/B	DOOR_KEY/C_ LOCK_SW
58	SB	DR_DOOR_SW

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

H.S.

79	78	77	76	75	74	73	72	71	70	69	68	67	66	65	64	63	62	61	60
99	98	97	96	95	94	93	92	91	90	89	88	87	86	85	84	83	82	81	80

Terminal No.	Color of Wire	Signal Name
78	P	CAN-L
79	L	CAN-H
80	R/L	FOB_SLOT_ ILLUMINATION

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

H.S.

100	101		102	103	104
105	106	107	108	109	110	111

Terminal No.	Color of Wire	Signal Name
110	V/W	TRUNK_LAMP_ OUTPUT

Connector No.	M21
Connector Name	BCM (BODY CONTROL MODULE)
Connector Color	GRAY

H.S.

131	130	129	128	127	126	125	124	123	122	121	120	119	118	117	116	115	114	113	112
151	150	149	148	147	146	145	144	143	142	141	140	139	138	137	136	135	134	133	132

Terminal No.	Color of Wire	Signal Name
130	Y/G	TRUNK_SW
148	R/W	RR_DOOR_SW
149	R/B	RL_DOOR_SW

Connector No.	M40
Connector Name	KEY SLOT
Connector Color	WHITE

H.S.

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

Terminal No.	Color of Wire	Signal Name
5	G/Y	LIGHT_BAT+
6	R/L	LIGHT_A
7	B	GND

Connector No.	M63
Connector Name	JOINT CONNECTOR-M02
Connector Color	BLUE

H.S.

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

Terminal No.	Color of Wire	Signal Name
1	B	—
8	B	—

ALJIA0040GB

Terminal No.	Color of Wire	Signal Name
17J	SB	—
22J	R/B	—
23J	P	—
25J	Y/G	—
26J	V/W	—

Connector No.	B1
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

Connector No.	B28
Connector Name	TRUNK LAMP SWITCH AND TRUNK RELEASE SOLENOID
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
1	Y/G	—
2	B	—

Connector No.	E30
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
82G	W/B	—

Connector No.	B18
Connector Name	REAR DOOR SWITCH LH
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
2	R/B	DOOR SW(RL)

Connector No.	B8
Connector Name	FRONT DOOR SWITCH LH
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
2	SB	DOOR SW(DR)

ALJIA0041GB

Connector No.	B36
Connector Name	TRUNK ROOM LAMP
Connector Color	WHITE

H.S.

1	2

Terminal No.	Color of Wire	Signal Name
1	P	—
2	V/W	—

Connector No.	B104
Connector Name	WIRE TO WIRE
Connector Color	BROWN

H.S.

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

Terminal No.	Color of Wire	Signal Name
10	R/B	—
11	R/W	—

Connector No.	B108
Connector Name	FRONT DOOR SWITCH RH
Connector Color	WHITE

H.S.

1	2	3

Terminal No.	Color of Wire	Signal Name
2	R/B	DOOR SW (AS)

Connector No.	B116
Connector Name	REAR DOOR SWITCH RH
Connector Color	WHITE

H.S.

1	2	3

Terminal No.	Color of Wire	Signal Name
2	R/W	DOOR SW (RR)

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

H.S.

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

Terminal No.	Color of Wire	Signal Name
8	P	—
9	W	—
10	W	—
11	W	—
15	B	—

Connector No.	R3
Connector Name	VANITY MIRROR LAMP LH
Connector Color	WHITE

H.S.

1	2

Terminal No.	Color of Wire	Signal Name
1	B	GND
2	P	ROOM_LAMP_BAT_SAVER

ALJIA0042GB

Connector No.	R9
Connector Name	VANITY MIRROR LAMP RH
Connector Color	WHITE

H.S.

1
2

Terminal No.	Color of Wire	Signal Name
1	B	GND
2	P	ROOM_LAMP_BAT_SAVER

Connector No.	R50
Connector Name	FRONT ROOM/MAP LAMP ASSEMBLY
Connector Color	GRAY

H.S.

6	5	4	3	2	1

Terminal No.	Color of Wire	Signal Name
1	W	—
2	W	—
3	W	—

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

H.S.

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

Terminal No.	Color of Wire	Signal Name
8	B	—

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

H.S.

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

Terminal No.	Color of Wire	Signal Name
2	L/B	—
4	P/W	—
9	L/R	—
10	Y/G	—
13	R/W	—

Connector No.	D7 (WITH LEFT AND RIGHT FRONT POWER WINDOW ANTI-PINCH SYSTEM)
Connector Name	MAIN POWER WINDOW AND LOCK/UNLOCK SWITCH
Connector Color	WHITE

H.S.

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

Terminal No.	Color of Wire	Signal Name
4	L/B	LOCK
6	L/R	UNLOCK
14	Y/G	COM

Connector No.	D7 (WITH LEFT FRONT ONLY POWER WINDOW ANTI-PINCH SYSTEM)
Connector Name	MAIN POWER WINDOW AND LOCK/UNLOCK SWITCH
Connector Color	WHITE

H.S.

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

Terminal No.	Color of Wire	Signal Name
6	GR/R	UNLOCK

AWJIA0127GB

Connector No.	D8
Connector Name	MAIN POWER WINDOW AND LOCK/UNLOCK SWITCH
Connector Color	WHITE

H.S.

17 18 19

Terminal No.	Color of Wire	Signal Name
17	B	GND

Connector No.	D10
Connector Name	FRONT DOOR LOCK ASSEMBLY LH
Connector Color	GRAY

H.S.

1 2 3 4 5 6

Terminal No.	Color of Wire	Signal Name
4	B	GND
5	L/R	DOOR_KEY/C_ UNLOCK_SW
6	L/B	DOOR_KEY/C_ LOCK_SW

Connector No.	D11
Connector Name	STEP LAMP LH
Connector Color	WHITE

H.S.

2 1

Terminal No.	Color of Wire	Signal Name
1	P/W	—
2	R/W	—

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

H.S.

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

Terminal No.	Color of Wire	Signal Name
6	P/W	—
11	R/W	—

Connector No.	D109
Connector Name	STEP LAMP RH
Connector Color	WHITE

H.S.

2 1

Terminal No.	Color of Wire	Signal Name
1	P/W	—
2	R/W	—

AWJIA0128GB

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

H.S.

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

Terminal No.	Color of Wire	Signal Name
2	L/B	—
4	P/W	—
9	L/R	—
10	Y/G	—
13	R/W	—

Connector No.	D7 (WITH LEFT AND RIGHT FRONT POWER WINDOW ANTI-PINCH SYSTEM)
Connector Name	MAIN POWER WINDOW AND LOCK/UNLOCK SWITCH
Connector Color	WHITE

H.S.

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

Terminal No.	Color of Wire	Signal Name
4	L/B	LOCK
6	L/R	UNLOCK
14	Y/G	COM

Connector No.	D7 (WITH LEFT FRONT ONLY POWER WINDOW ANTI-PINCH SYSTEM)
Connector Name	MAIN POWER WINDOW AND LOCK/UNLOCK SWITCH
Connector Color	WHITE

H.S.

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

Terminal No.	Color of Wire	Signal Name
6	GR/R	UNLOCK

Connector No.	D8
Connector Name	MAIN POWER WINDOW AND LOCK/UNLOCK SWITCH
Connector Color	WHITE

H.S.

17	18	19

Terminal No.	Color of Wire	Signal Name
17	B	GND

Connector No.	D10
Connector Name	FRONT DOOR LOCK ASSEMBLY LH
Connector Color	GRAY

H.S.

1	2	3	4	5	6

Terminal No.	Color of Wire	Signal Name
4	B	GND
5	L/R	DOOR_KEY/C_UNLOCK_SW
6	L/B	DOOR_KEY/C_LOCK_SW

Connector No.	D11
Connector Name	STEP LAMP LH
Connector Color	WHITE

H.S.

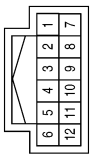
2	1

Terminal No.	Color of Wire	Signal Name
1	P/W	—
2	R/W	—

ALJIA0045GB

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

H.S.



Terminal No.	Color of Wire	Signal Name
6	P/W	—
11	R/W	—

Connector No.	D109
Connector Name	STEP LAMP RH
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
1	P/W	—
2	R/W	—

ALJIA0046GB

ILLUMINATION

Wiring Diagram - Coupe

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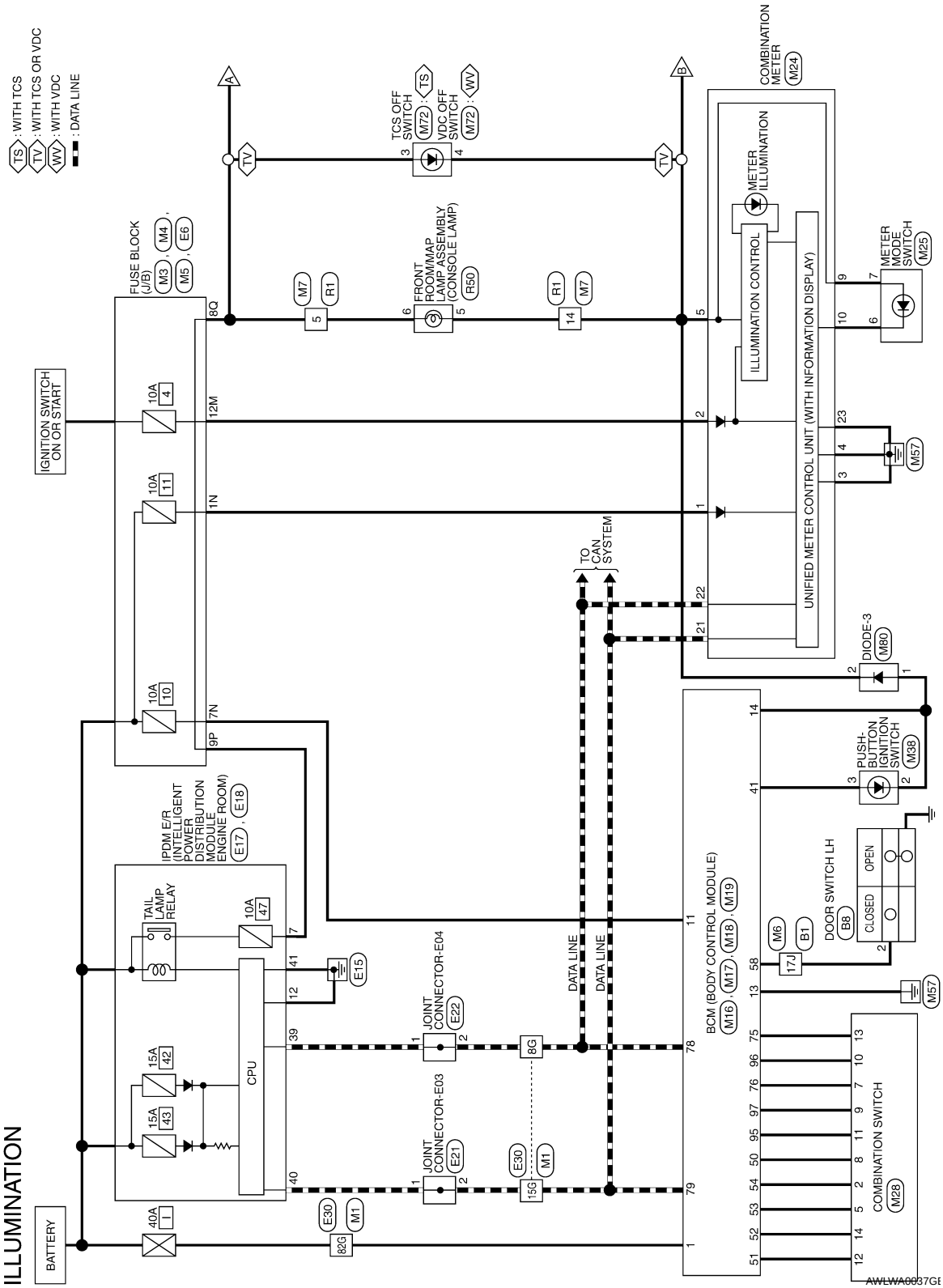
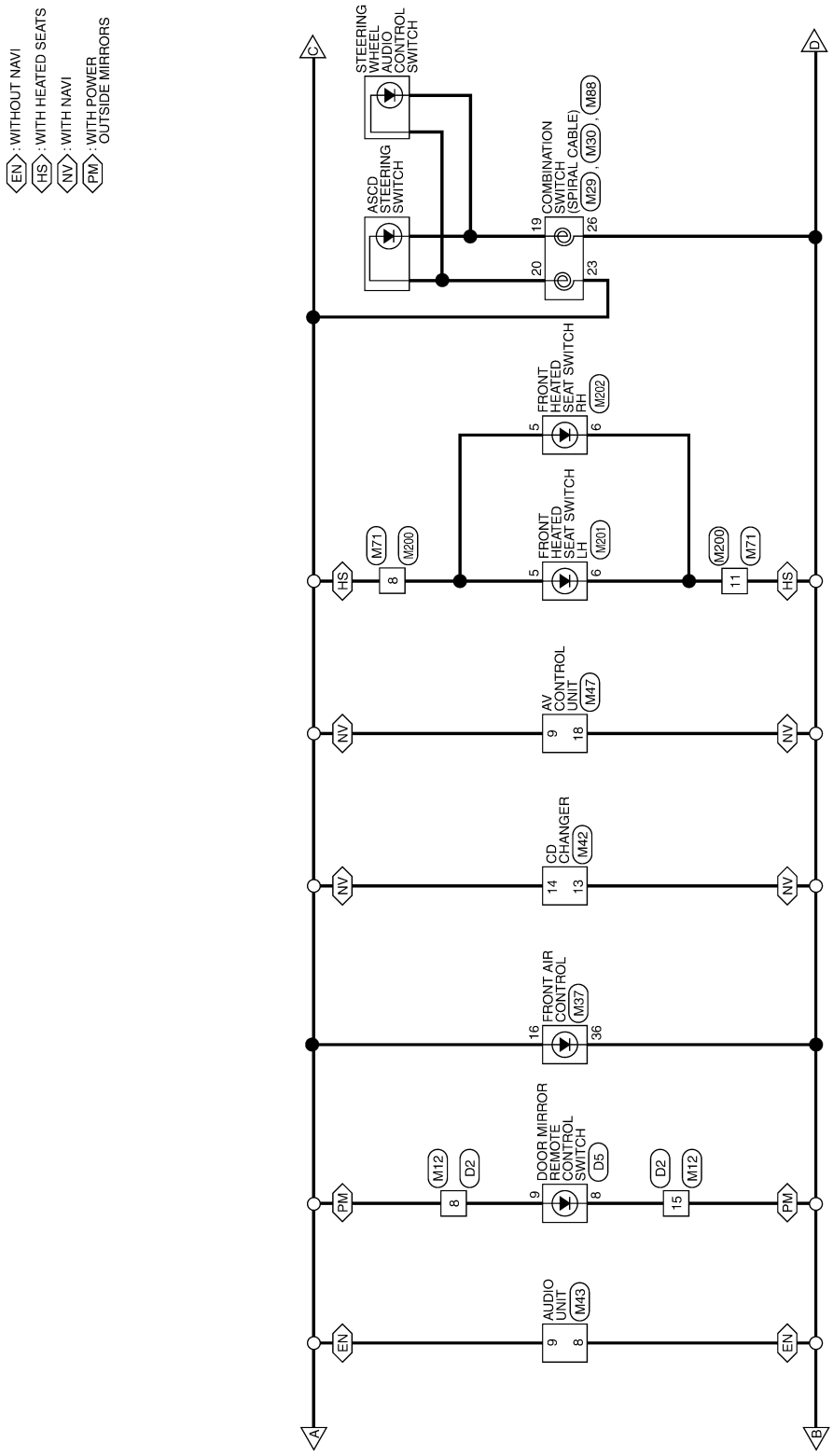
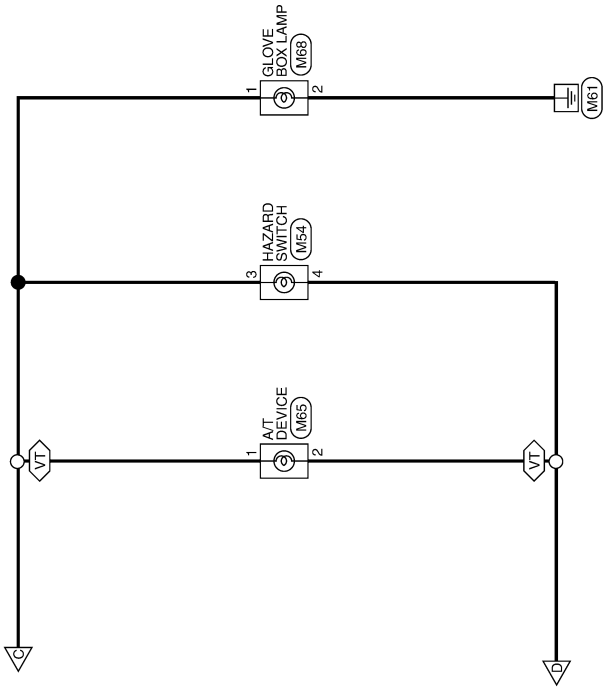




ALJWA0007GB

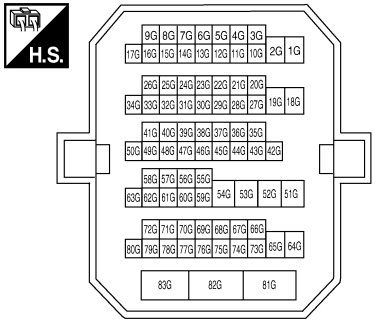
VT : WITH CVT



ALJWA0008GB

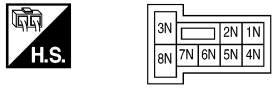
ILLUMINATION CONNECTORS

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



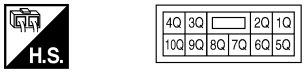
Terminal No.	Color of Wire	Signal Name
8G	P	—
15G	L	—
82G	W/B	—

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



Terminal No.	Color of Wire	Signal Name
1N	W/L	—
7N	Y/R	—

Connector No.	M4
Connector Name	FUSE BLOCK (J/B)
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
8Q	R/L	

Connector No.	M5
Connector Name	FUSE BLOCK (J/B)
Connector Color	WHITE

Terminal No.	Color of Wire	Signal Name
12M	P	—

ALJIA0047GB

Connector No.	M7
Connector Name	WIRE TO WIRE
Connector Color	WHITE

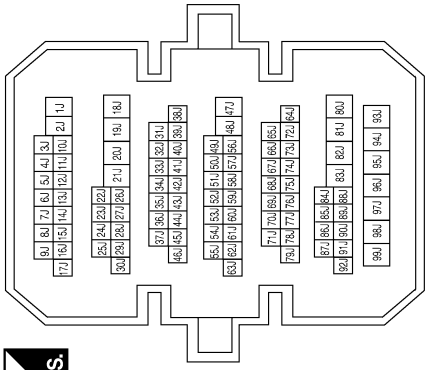
H.S.

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

Terminal No.	Color of Wire	Signal Name
5	R/L	—
14	R/Y	—

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.



Terminal No.	Color of Wire	Signal Name
17J	SB	—

Connector No.	M17
Connector Name	BCM (BODY CONTROL MODULE)
Connector Color	WHITE

H.S.

4	5	6	7		8	9	10
11	12	13	14	15	16	17	18	19

11	Y/R	BAT_BCM_FUSE
13	B	GND1
14	R/Y	LOW_SIDE_PUSH_LED_OUTPUT

Connector No.	M16
Connector Name	BCM (BODY CONTROL MODULE)
Connector Color	BLACK

H.S.

1	3
2	

Terminal No.	Color of Wire	Signal Name
1	W/B	BAT_POWER_F/L

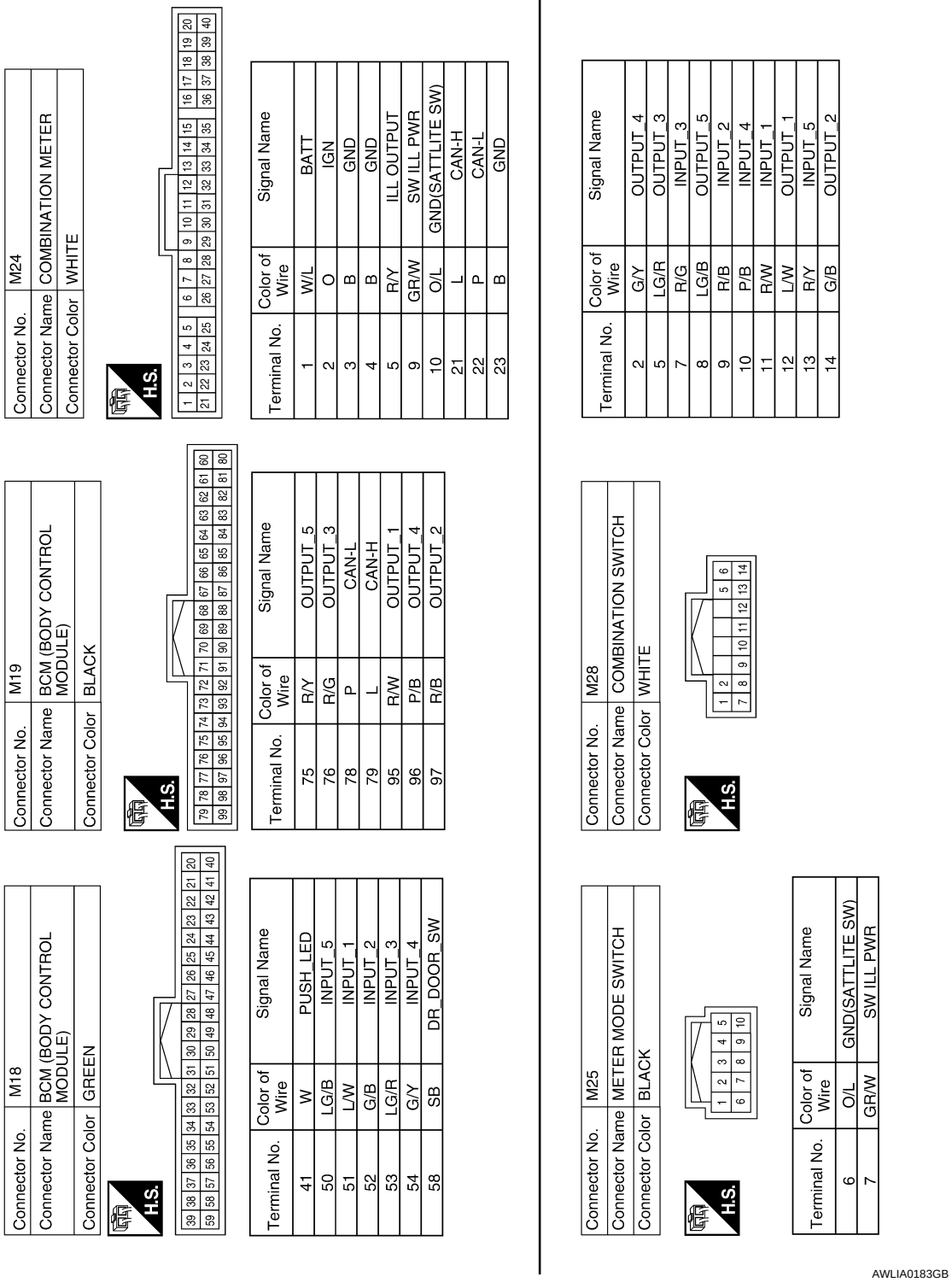
Connector No.	M12
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

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

Terminal No.	Color of Wire	Signal Name
8	R/L	—
15	R/Y	—

AWLIA0182GB


Connector No. M18
Connector Name BCM (BODY CONTROL MODULE)
Connector Color GREEN
H.S.
39 38 37 36 35 34 33 32 31 30 29 28 27 26 25 24 23 22 21 20
59 58 57 56 55 54 53 52 51 50 49 48 47 46 45 44 43 42 41 40
Terminal No. Color of Wire Signal Name
41 W PUSH_LED
50 LG/B INPUT_5
51 L/W INPUT_1
52 G/B INPUT_2
53 LG/R INPUT_3
54 G/Y INPUT_4
58 SB DR_DOOR_SW
Connector No. M19
Connector Name BCM (BODY CONTROL MODULE)
Connector Color BLACK
H.S.
79 78 77 76 75 74 73 72 71 70 69 68 67 66 65 64 63 62 61 60
99 98 97 96 95 94 93 92 91 90 89 88 87 86 85 84 83 82 81 80
Terminal No. Color of Wire Signal Name
75 R/Y OUTPUT_5
76 R/G OUTPUT_3
78 P CAN-L
79 L CAN-H
95 R/W OUTPUT_1
96 P/B OUTPUT_4
97 R/B OUTPUT_2
Connector No. M24
Connector Name COMBINATION METER
Connector Color WHITE
H.S.
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40
Terminal No. Color of Wire Signal Name
1 W/L BATT
2 O IGN
3 B GND
4 B GND
5 R/Y ILL OUTPUT
9 GR/W SW ILL PWR
10 O/L GND(SATTLITE SW)
21 L CAN-H
22 P CAN-L
23 B GND
Connector No. M25
Connector Name METER MODE SWITCH
Connector Color BLACK
H.S.
1 2 3 4 5
6 7 8 9 10
Terminal No. Color of Wire Signal Name
6 O/L GND(SATTLITE SW)
7 GR/W SW ILL PWR
Connector No. M28
Connector Name COMBINATION SWITCH
Connector Color WHITE
H.S.
1 2 5 6
7 8 9 10 11 12 13 14
Terminal No. Color of Wire Signal Name
2 G/Y OUTPUT_4
5 LG/R OUTPUT_3
7 R/G INPUT_3
8 LG/B OUTPUT_5
9 R/B INPUT_2
10 P/B INPUT_4
11 R/W INPUT_1
12 L/W OUTPUT_1
13 R/Y INPUT_5
14 G/B OUTPUT_2
AWLIA0183GB

Connector No.	M29
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Color	YELLOW

H.S.

21	22	23
28	29	30

Terminal No.	Color of Wire	Signal Name
23	R/L	TAIL/ILL_RLY

Connector No.	M30
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Color	GRAY

H.S.

24	25	26	27
31	32	33	34

Terminal No.	Color of Wire	Signal Name
26	R/Y	ILL_CONT_OUT

Connector No.	M37
Connector Name	FRONT AIR CONTROL
Connector Color	WHITE

H.S.

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

Terminal No.	Color of Wire	Signal Name
16	R/L	ILL +
36	R/Y	ILL-

Connector No.	M38
Connector Name	PUSH-BUTTON IGNITION SWITCH
Connector Color	BROWN

H.S.

1		2	3
4	5	6	7	8

Terminal No.	Color of Wire	Signal Name
2	O/W	—
3	W	PUSH_LED

Connector No.	M42
Connector Name	CD CHANGER
Connector Color	WHITE

H.S.

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

Terminal No.	Color of Wire	Signal Name
13	R/Y	ILL -
14	R/L	ILL +

Connector No.	M43
Connector Name	AUDIO UNIT
Connector Color	WHITE

H.S.

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

Terminal No.	Color of Wire	Signal Name
8	R/Y	ILL_CONT_OUT
9	R/L	TAIL/ILL_RLY

AWLIA0184GB

Connector No.	M47
Connector Name	AV CONTROL UNIT
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
9	R/L	ILL
18	R/Y	ILL_CONT

Connector No.	M54
Connector Name	HAZARD SWITCH
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
3	R/L	TAIL/ILL_RLY
4	R/Y	ILL_CONT_OUT

Connector No.	M65
Connector Name	A/T DEVICE
Connector Color	BROWN

H.S.

Terminal No.	Color of Wire	Signal Name
1	R/L	TAIL/ILL_RLY
2	R/Y	ILL_CONT_OUT

Connector No.	M68
Connector Name	GLOVE BOX LAMP
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
1	R/L	TAIL/ILL_RLY
2	B	GND

Connector No.	M71
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
8	R/L	—
11	R/Y	—

Connector No.	M202
Connector Name	FRONT HEATED SEAT SWITCH RH
Connector Color	BROWN

H.S.

Terminal No.	Color of Wire	Signal Name
5	R/L	TAIL/ILL_RLY
6	R/Y	ILL_CONT_OUT

AWLIA0185GB

Connector No.	M72
Connector Name	TCS OFF SWITCH (WITH TCS)
Connector Color	GRAY

H.S.

Terminal No.	Color of Wire	Signal Name
3	R/L	TAIL/ILL_RLY
4	R/Y	ILL_CONT_OUT

Connector No.	M72
Connector Name	VDC OFF SWITCH (WITH VDC)
Connector Color	GRAY

H.S.

Terminal No.	Color of Wire	Signal Name
3	R/L	TAIL/ILL_RLY
4	R/Y	ILL_CONT_OUT

Connector No.	M80
Connector Name	DIODE-3
Connector Color	—

H.S.

Terminal No.	Color of Wire	Signal Name
1	O/W	LOW_SIDE_PUSH_LED_OUTPUT
2	R/Y	ILL_CONT_OUT

Connector No.	M88
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Color	GRAY

H.S.

Terminal No.	Color of Wire	Signal Name
19	P	ILL
20	Y	ILL

Connector No.	M200
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
8	R/L	—
11	R/Y	—

Connector No.	M201
Connector Name	FRONT HEATED SEAT SWITCH LH
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
5	R/L	TAIL/ILL_RLY
6	R/Y	ILL_CONT_OUT

ALJIA0052GB

Connector No.	E6
Connector Name	FUSE BLOCK (J/B)
Connector Color	WHITE

H.S.

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

Terminal No.	Color of Wire	Signal Name
9P	R/L	—

Connector No.	E17
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Color	WHITE

H.S.

42 41 40 39
46 45 44 43

Terminal No.	Color of Wire	Signal Name
39	P	CAN-L
40	L	CAN-H
41	B	S-GND

Connector No.	E18
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Color	WHITE

H.S.

9 10 11 12 13 14
3 4 5 6 7 8

25 26 27 28 29 30 31 32 33 34
15 16 17 18 19 20 21 22 23 24

37 38
35 36

Terminal No.	Color of Wire	Signal Name
7	R/L	TAIL/ILLUMI
12	B	P-GND

Connector No.	E21
Connector Name	JOINT CONNECTOR-E03
Connector Color	WHITE

H.S.

4 3 2 1

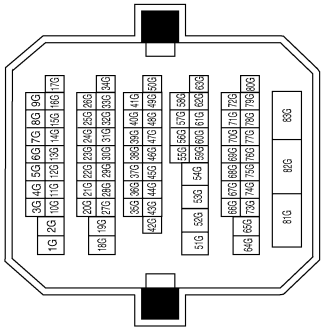
Terminal No.	Color of Wire	Signal Name
1	L	—
2	L	—

AWLIA0186GB

Terminal No.	Color of Wire	Signal Name
8G	P	—
15G	L	—
82G	W/B	—

Connector No.	E30
Connector Name	WIRE TO WIRE
Connector Color	WHITE

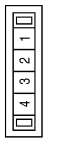
H.S.



Terminal No.	Color of Wire	Signal Name
1	P	—
2	P	—

Connector No.	E22
Connector Name	JOINT CONNECTOR-E04
Connector Color	WHITE

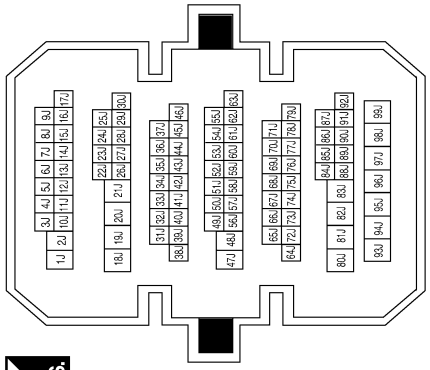
H.S.



Terminal No.	Color of Wire	Signal Name
17J	SB	—

Connector No.	B1
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.



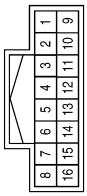
Connector No.	B8
Connector Name	DOOR SWITCH LH
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
2	SB	DOOR SW (DR)

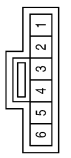
AWLIA0187GB

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



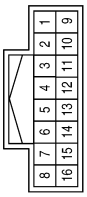
Terminal No.	Color of Wire	Signal Name
5	L	—
14	Y	—

Connector No.	R50
Connector Name	FRONT ROOM/MAP LAMP ASSEMBLY
Connector Color	GRAY



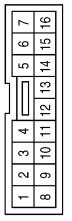
Terminal No.	Color of Wire	Signal Name
5	Y	—
6	L	—

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



Terminal No.	Color of Wire	Signal Name
8	R/L	—
15	R/Y	—

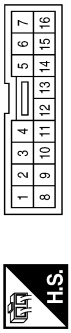
Connector No.	D5
Connector Name	DOOR MIRROR REMOTE CONTROL SWITCH
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
8	R/Y	ILL_CONT_OUT
9	R/L	TAIL/ILL_RLY

AWLIA0188GB

Connector No.	D5
Connector Name	DOOR MIRROR REMOTE CONTROL SWITCH
Connector Color	WHITE

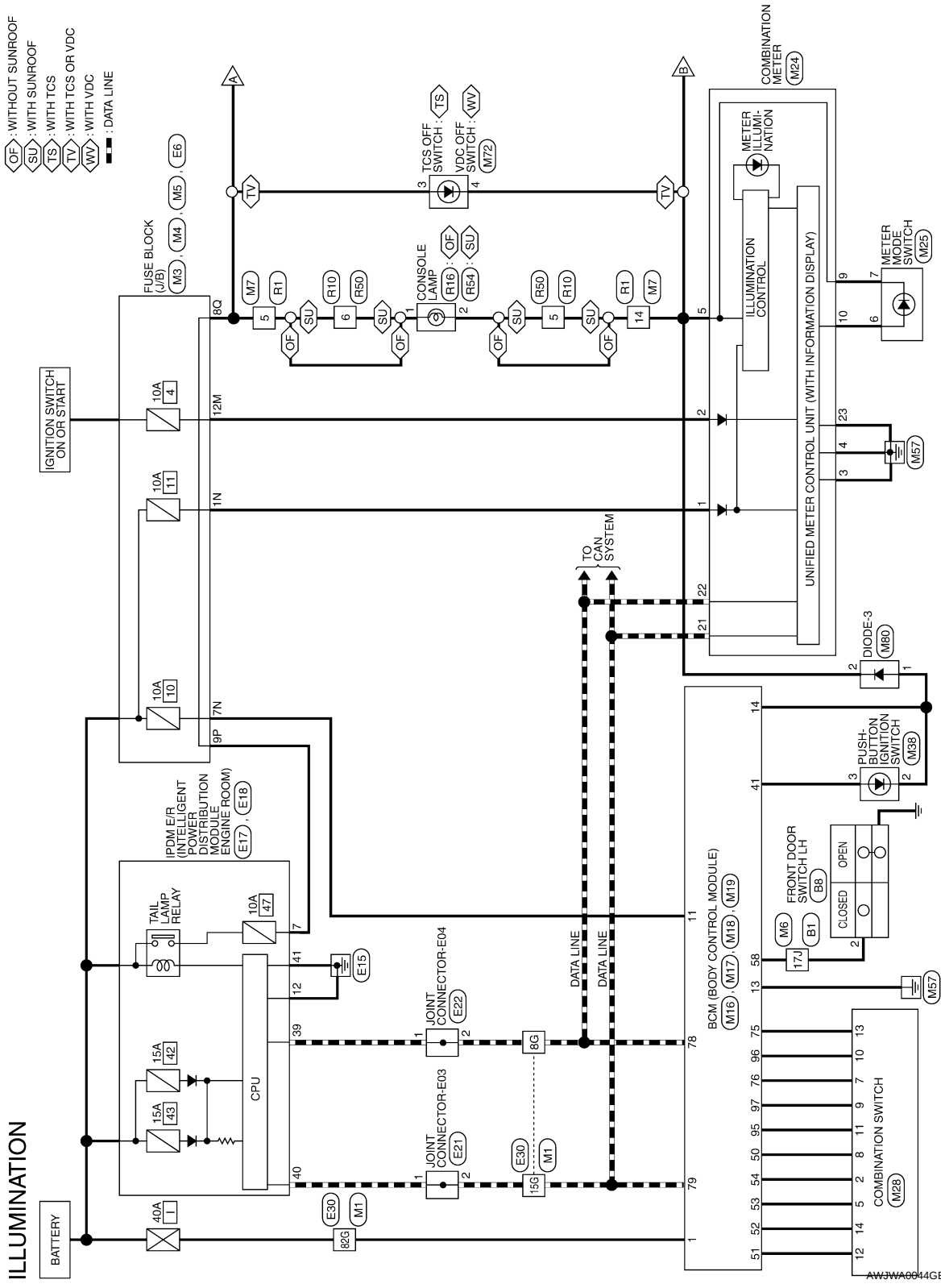


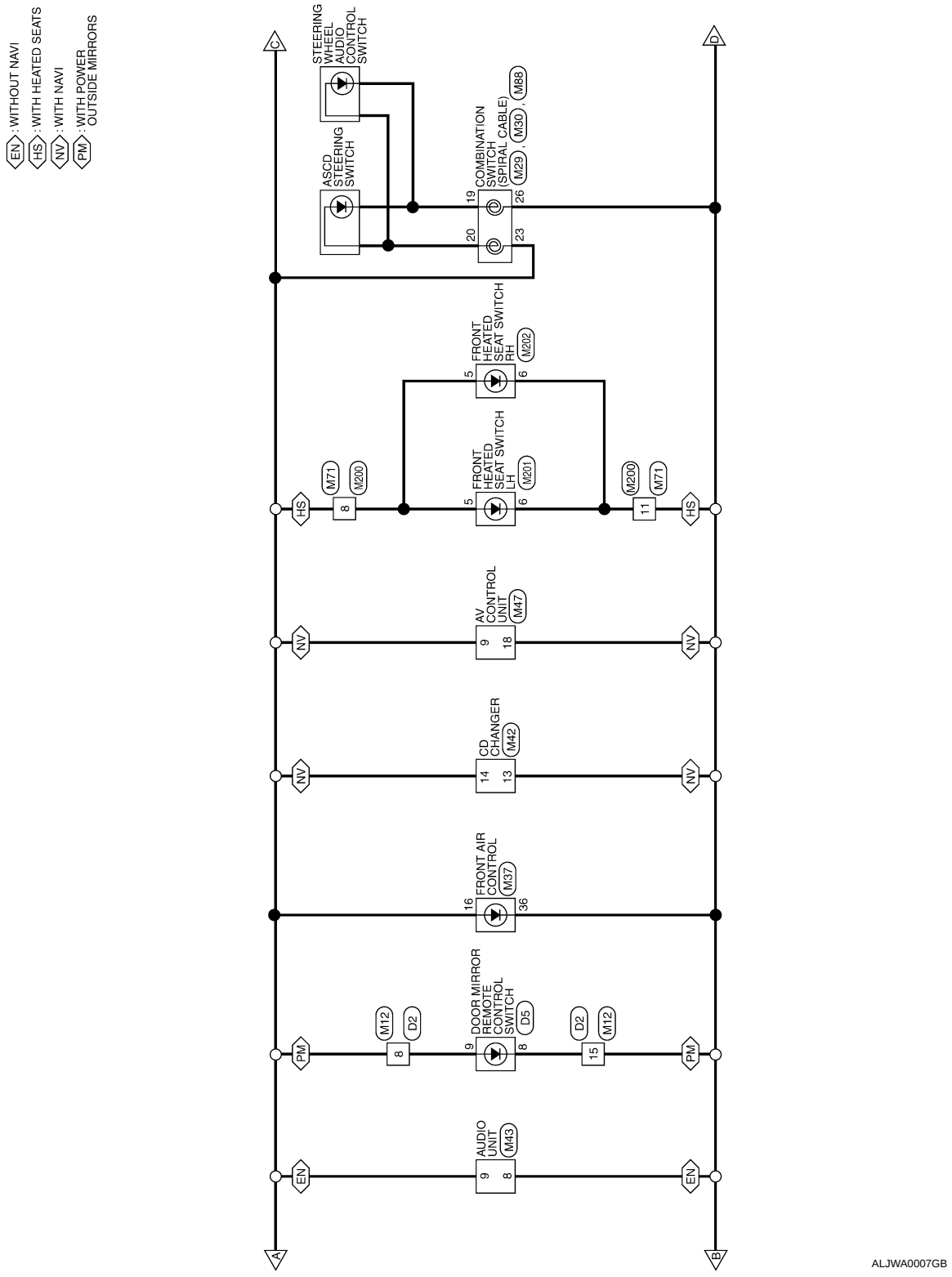
Terminal No.	Color of Wire	Signal Name
8	R/Y	ILL_CONT_OUT
9	R/L	TAIL/ILL_RLY

ALJIA0056GB

Wiring Diagram - Sedan

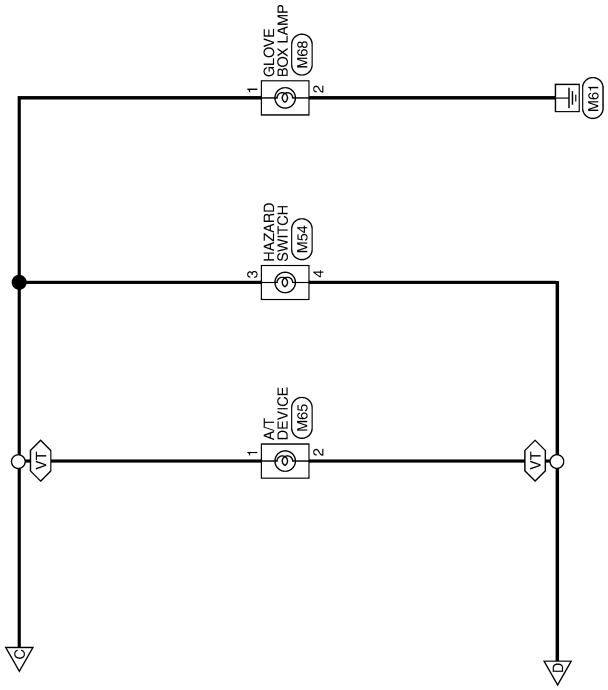
INFOID:0000000003219634





ALJWA0007GB

VT : WITH CVT

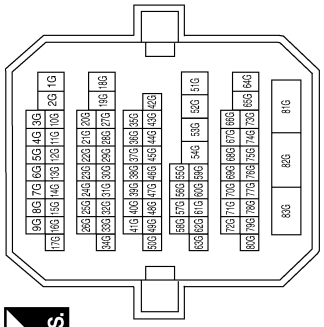


ALJWA0008GB

ILLUMINATION CONNECTORS

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

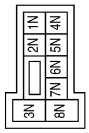
H.S.



Terminal No.	Color of Wire	Signal Name
8G	P	—
15G	L	—
82G	W/B	—

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

H.S.



Terminal No.	Color of Wire	Signal Name
1N	W/L	—
7N	Y/R	—

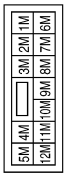
Connector No.	M4
Connector Name	FUSE BLOCK (J/B)
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
8Q	R/L	—

Connector No.	M5
Connector Name	FUSE BLOCK (J/B)
Connector Color	WHITE

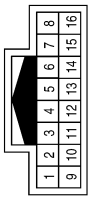
H.S.



Terminal No.	Color of Wire	Signal Name
12M	P	—

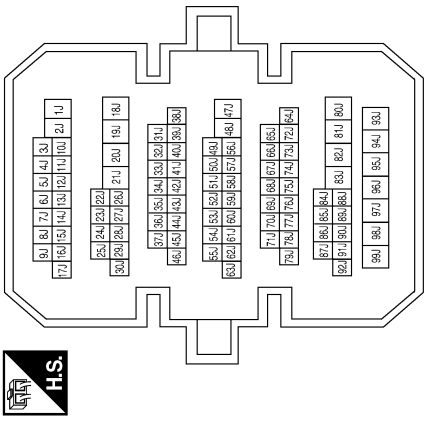
AWJIA0129GB

Connector No.	M7
Connector Name	WIRE TO WIRE
Connector Color	WHITE



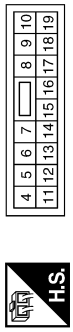
Terminal No.	Color of Wire	Signal Name
5	R/L	—
14	R/Y	—

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
17J	SB	—

Connector No.	M17
Connector Name	BCM (BODY CONTROL MODULE)
Connector Color	WHITE

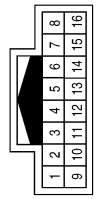


11	Y/R	BAT_BCM_FUSE
13	B	GND1
14	R/Y	LOW_SIDE_PUSH_LED_OUTPUT

Connector No.	M16
Connector Name	BCM (BODY CONTROL MODULE)
Connector Color	BLACK

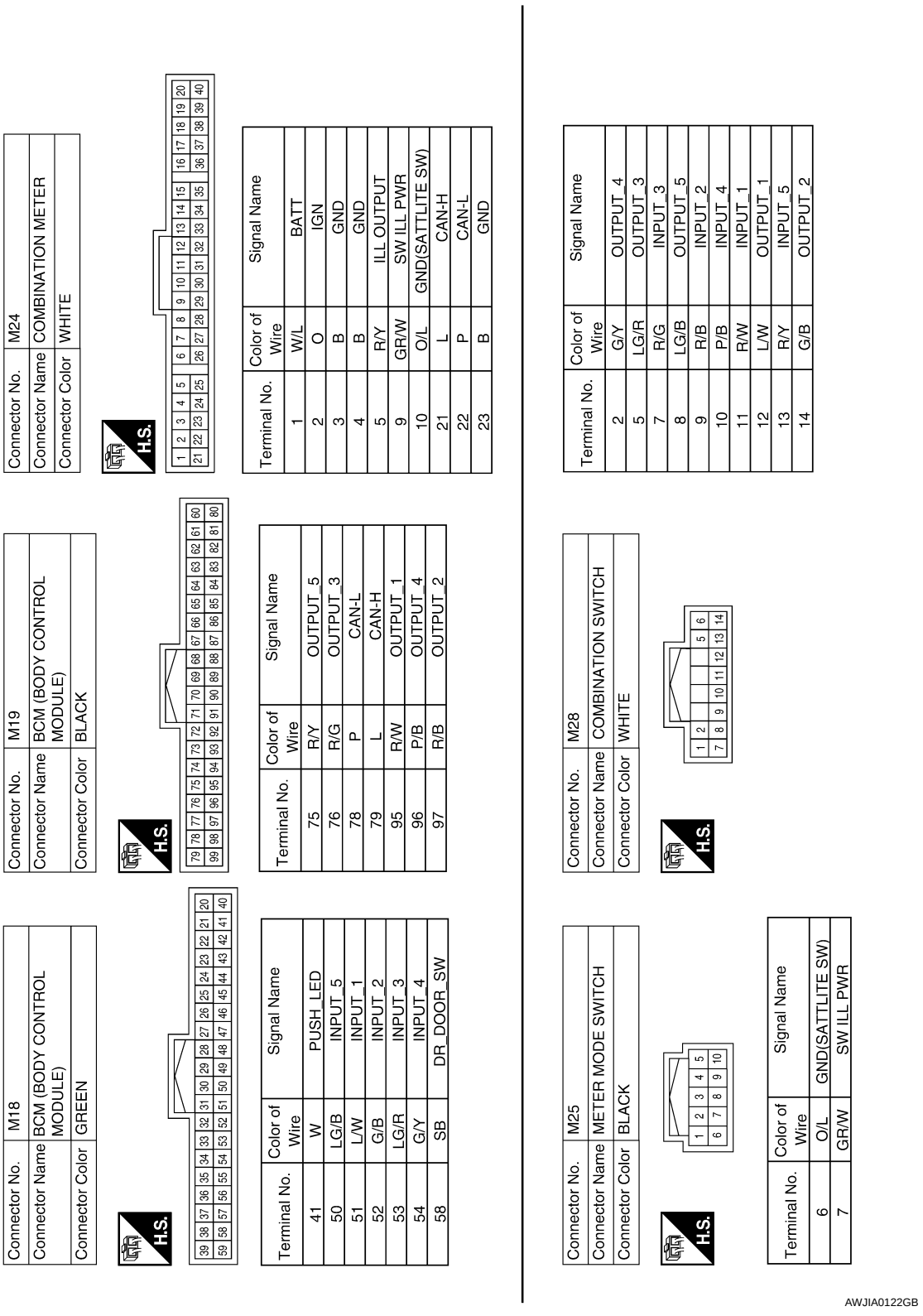
Terminal No.	Color of Wire	Signal Name
1	W/B	BAT_POWER_F/L

Connector No.	M12
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
8	R/L	—
15	R/Y	—

AWJIA0121GB


Connector No. M18
Connector Name BCM (BODY CONTROL MODULE)
Connector Color GREEN
H.S.
39 38 37 36 35 34 33 32 31 30 29 28 27 26 25 24 23 22 21 20
59 58 57 56 55 54 53 52 51 50 49 48 47 46 45 44 43 42 41 40
Terminal No. Color of Wire Signal Name
41 W PUSH_LED
50 LG/B INPUT_5
51 L/W INPUT_1
52 G/B INPUT_2
53 LG/R INPUT_3
54 G/Y INPUT_4
58 SB DR_DOOR_SW
Connector No. M19
Connector Name BCM (BODY CONTROL MODULE)
Connector Color BLACK
H.S.
79 78 77 76 75 74 73 72 71 70 69 68 67 66 65 64 63 62 61 60
99 98 97 96 95 94 93 92 91 90 89 88 87 86 85 84 83 82 81 80
Terminal No. Color of Wire Signal Name
75 R/Y OUTPUT_5
76 R/G OUTPUT_3
78 P CAN-L
79 L CAN-H
95 R/W OUTPUT_1
96 P/B OUTPUT_4
97 R/B OUTPUT_2
Connector No. M24
Connector Name COMBINATION METER
Connector Color WHITE
H.S.
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40
Terminal No. Color of Wire Signal Name
1 W/L BATT
2 O IGN
3 B GND
4 B GND
5 R/Y ILL OUTPUT
9 GR/W SW ILL PWR
10 O/L GND(SATTLITE SW)
21 L CAN-H
22 P CAN-L
23 B GND
Connector No. M25
Connector Name METER MODE SWITCH
Connector Color BLACK
H.S.
1 2 3 4 5
6 7 8 9 10
Terminal No. Color of Wire Signal Name
6 O/L GND(SATTLITE SW)
7 GR/W SW ILL PWR
Connector No. M28
Connector Name COMBINATION SWITCH
Connector Color WHITE
H.S.
1 2 5 6
7 8 9 10 11 12 13 14
Terminal No. Color of Wire Signal Name
2 G/Y OUTPUT_4
5 LG/R OUTPUT_3
7 R/G INPUT_3
8 LG/B OUTPUT_5
9 R/B INPUT_2
10 P/B INPUT_4
11 R/W INPUT_1
12 L/W OUTPUT_1
13 R/Y INPUT_5
14 G/B OUTPUT_2
AWJIA0122GB

Connector No.	M29
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Color	YELLOW

H.S.

21	22	23
28	29	30

Terminal No.	Color of Wire	Signal Name
23	R/L	TAIL/ILL_RLY

Connector No.	M30
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Color	GRAY

H.S.

24	25	26	27
31	32	33	34

Terminal No.	Color of Wire	Signal Name
26	R/Y	ILL_CONT_OUT

Connector No.	M37
Connector Name	FRONT AIR CONTROL
Connector Color	WHITE

H.S.

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

Terminal No.	Color of Wire	Signal Name
16	R/L	ILL +
36	R/Y	ILL-

Connector No.	M38
Connector Name	PUSH-BUTTON IGNITION SWITCH
Connector Color	BROWN

H.S.

1	2	3
4	5	6	7	8

Terminal No.	Color of Wire	Signal Name
2	O/W	—
3	W	PUSH_LED

Connector No.	M42
Connector Name	CD CHANGER
Connector Color	WHITE

H.S.

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

Terminal No.	Color of Wire	Signal Name
13	R/Y	ILL -
14	R/L	ILL +

Connector No.	M43
Connector Name	AUDIO UNIT
Connector Color	WHITE

H.S.

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

Terminal No.	Color of Wire	Signal Name
8	R/Y	ILL_CONT_OUT
9	R/L	TAIL/ILL_RLY

AWJIA0123GB

Connector No.	M47
Connector Name	AV CONTROL UNIT
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
9	R/L	ILL
18	R/Y	ILL_CONT

Connector No.	M54
Connector Name	HAZARD SWITCH
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
3	R/L	TAIL/ILL_RLY
4	R/Y	ILL_CONT_OUT

Connector No.	M65
Connector Name	A/T DEVICE
Connector Color	BROWN

H.S.

Terminal No.	Color of Wire	Signal Name
1	R/L	TAIL/ILL_RLY
2	R/Y	ILL_CONT_OUT

Connector No.	M68
Connector Name	GLOVE BOX LAMP
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
1	R/L	TAIL/ILL_RLY
2	B	GND

Connector No.	M71
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
8	R/L	—
11	R/Y	—

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Connector No.	M72
Connector Name	TCS OFF SWITCH (WITH TCS)
Connector Color	GRAY

Terminal No.	Color of Wire	Signal Name
3	R/L	TAIL/ILL_RLY
4	R/Y	ILL_CONT_OUT

Connector No.	M72
Connector Name	VDC OFF SWITCH (WITH VDC)
Connector Color	GRAY

Terminal No.	Color of Wire	Signal Name
3	R/L	TAIL/ILL_RLY
4	R/Y	ILL_CONT_OUT

Connector No.	M80
Connector Name	DIODE-3
Connector Color	—

Terminal No.	Color of Wire	Signal Name
1	O/W	LOW_SIDE_PUSH_LED_OUTPUT
2	R/Y	ILL_CONT_OUT

Connector No.	M88
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Color	GRAY

Terminal No.	Color of Wire	Signal Name
19	P	ILL
20	Y	ILL

Connector No.	M200
Connector Name	WIRE TO WIRE
Connector Color	WHITE

Terminal No.	Color of Wire	Signal Name
8	R/L	—
11	R/Y	—

Connector No.	M201
Connector Name	FRONT HEATED SEAT SWITCH LH
Connector Color	WHITE

Terminal No.	Color of Wire	Signal Name
5	R/L	TAIL/ILL_RLY
6	R/Y	ILL_CONT_OUT

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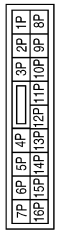
Connector No.	M202
Connector Name	FRONT HEATED SEAT SWITCH RH
Connector Color	Color

H.S.

Terminal No.	Color of Wire	Signal Name
5	R/L	TAIL/ILL_RLY
6	R/Y	ILL_CONT_OUT

Connector No.	E6
Connector Name	FUSE BLOCK (J/B)
Connector Color	WHITE

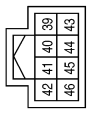
H.S.



Terminal No.	Color of Wire	Signal Name
9P	R/L	—

Connector No.	E17
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Color	WHITE

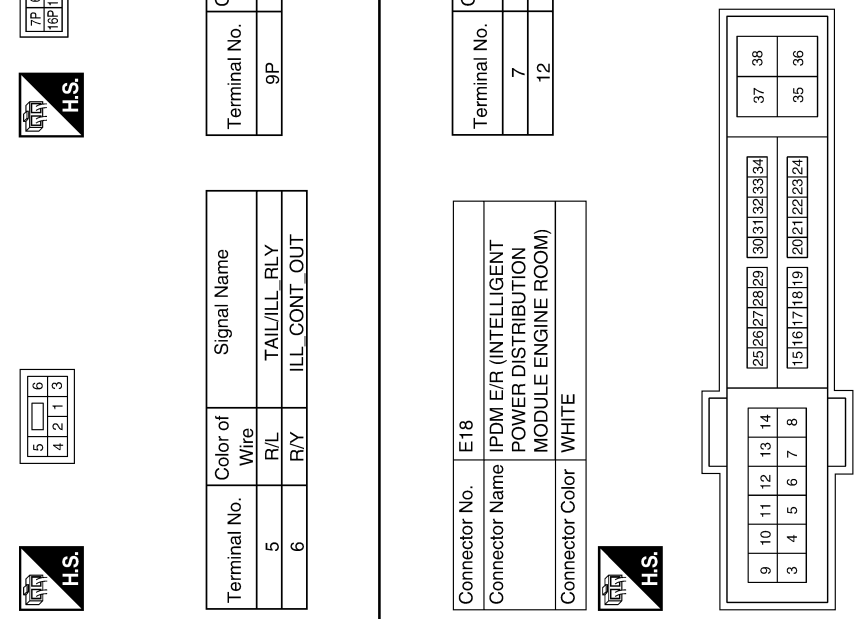
H.S.



Terminal No.	Color of Wire	Signal Name
39	P	CAN-L
40	L	CAN-H
41	B	S-GND

Connector No.	E18
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Color	WHITE

H.S.



Terminal No.	Color of Wire	Signal Name
7	R/L	TAIL/ILLUMI
12	B	P-GND

Connector No.	E21
Connector Name	JOINT CONNECTOR-E03
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
1	L	—
2	L	—

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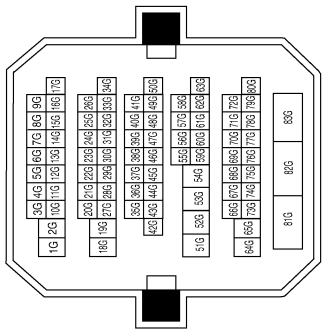
Terminal No.	Color of Wire	Signal Name
8G	P	—
15G	L	—
82G	W/B	—

Connector No.	E30
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.



Connector No.	E22
Connector Name	JOINT CONNECTOR-E04
Connector Color	WHITE

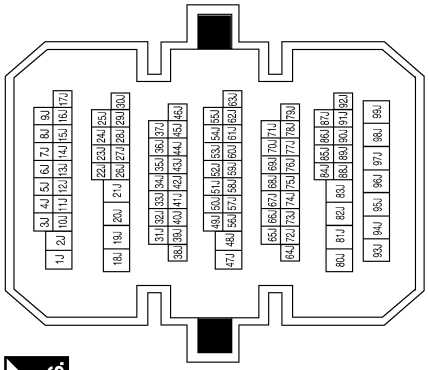
H.S.

Terminal No.	Color of Wire	Signal Name
1	P	—
2	P	—

Terminal No.	Color of Wire	Signal Name
17J	SB	—

Connector No.	B1
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.



Connector No.	B8
Connector Name	FRONT DOOR SWITCH LH
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
2	SB	DOOR SW(DR)

ALJIA0054GB

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

H.S.

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

Terminal No.	Color of Wire	Signal Name
5	L	—
14	Y	—

Connector No.	R10
Connector Name	WIRE TO WIRE
Connector Color	GRAY

H.S.

6	5	4	3	2	1

Terminal No.	Color of Wire	Signal Name
5	Y	—
6	L	—

Connector No.	R16
Connector Name	CONSOLE LAMP
Connector Color	—

H.S.

2	1

Terminal No.	Color of Wire	Signal Name
1	L	TAIL/ILL_RLY
2	Y	ILL_CONT_OUT

Connector No.	R50
Connector Name	WIRE TO WIRE
Connector Color	GRAY

H.S.

1	2	3	4	5	6

Terminal No.	Color of Wire	Signal Name
5	Y	—
6	L	—

Connector No.	R54
Connector Name	CONSOLE LAMP
Connector Color	—

H.S.

2	1

Terminal No.	Color of Wire	Signal Name
1	L	TAIL/ILL_RLY
2	Y	ILL_CONT_OUT

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

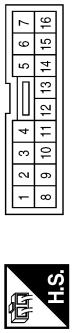
H.S.

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

Terminal No.	Color of Wire	Signal Name
8	R/L	—
15	R/Y	—

AWJIA0125GB

Connector No.	D5
Connector Name	DOOR MIRROR REMOTE CONTROL SWITCH
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
8	R/Y	ILL_CONT_OUT
9	R/L	TAIL/ILL_RLY

ALJIA0056GB

ECU DIAGNOSIS

BCM (BODY CONTROL MODULE)

Description

INFOID:0000000001830339

REFERENCE VALUES FOR BCM
For BCM reference values, refer to BCS-41, "Reference Value".

TERMINAL LAYOUT FOR BCM
For the terminal layout for the BCM, refer to BCS-45, "Terminal Layout".

PHYSICAL VALUES FOR BCM
For physical values for the BCM, refer to BCS-45, "Physical Values".

WIRING DIAGRAM - BCM
For the BCM wiring diagram, refer to BCS-64, "Wiring Diagram-Coupe".

FAIL SAFE - BCM
For BCM fail safe information, refer to BCS-81, "Fail Safe".

DTC INSPECTION PRIORITY CHART - BCM
For the BCM DTC inspection priority chart, refer to BCS-83, "DTC Inspection Priority Chart".

DTC INDEX - BCM
For the BCM DTC index, refer to BCS-85, "DTC Index".

SYMPTOM DIAGNOSIS

INTERIOR LIGHTING SYSTEM SYMPTOMS

Symptom Table

INFOID:0000000001830340

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

Symptom	Possible cause	Inspection item
All the following lamps do not turn ON. • Front room/map lamp LH and RH • Personal lamp rear LH and RH • Trunk room lamp • Step lamp LH and RH • Vanity mirror lamp LH and RH (if equipped)	• Harness between BCM and each interior room lamp • BCM	Interior room lamp power supply circuit Refer to INL-16.
• Interior room lamp does not turn ON even though the door is open. (It turns ON when turning the interior room lamp ON.) • Interior room lamp does not turn OFF even though the door is closed.	• Harness between BCM and each door switch • Harness between BCM and each interior room lamp • BCM	Door switch circuit Refer to DLK-54.
		Interior room lamp control circuit Refer to INL-18.
Interior room lamp timer does not activate. (It turns ON/ OFF when the door opens/closes.)	—	Check the interior room lamp setting. Refer to INL-12.
Step lamps do not turn ON. (The front room/map lamps and the personal lamps turn ON.)	• Harness between BCM and each step lamp • BCM	Step lamp circuit Refer to INL-20.
Step lamps (driver side and passenger side) do not turn OFF. (The room/map lamps and the personal lamps turn OFF.)		
• Trunk room lamp does not turn ON. (The bulb is normal.) • Trunk room lamp does not turn OFF.	• Harness between BCM and trunk room lamp switch • Harness between BCM and trunk room lamp • BCM	Trunk room lamp switch circuit Refer to INL-22.
		Trunk room lamp circuit Refer to INL-22.
Interior room lamp battery saver does not activate.	—	Check the interior room lamp battery saver setting. Refer to INL-12.

PRECAUTION

PRECAUTIONS

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

INFOID:0000000001345769

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

WARNING:

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

General precautions for service operations

INFOID:0000000001345770

- When removing or disassembling any part, be careful not to damage or deform it. Protect parts which may get in the way with cloth.
- When removing parts with a screw driver or other tool, protect parts by wrapping them with vinyl or tape.
- Keep removed parts protected with cloth.
- If an non-reuseable part is removed, replace it with a new one.
- After re-assembly has been completed, make sure each part functions correctly.
- Never work with wet hands.
- Turn the lighting switch OFF before disconnecting and connecting the connector.
- Do not use organic solvent (paint thinner or gasoline) to clean lamps or remove sealant residue.

ON-VEHICLE REPAIR

INTERIOR ROOM LAMP

Removal and Installation

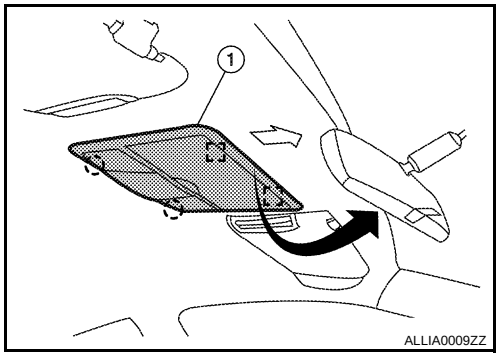
INFOID:0000000001345771

MAP LAMP

NOTE:
For non-sunroof equipped vehicles, the map lamp assembly is an integral part of the headinlining and repaired only as an assembly. Refer to INT-19, "Removal and Installation" for coupe models, and INT-40, "Removal and Installation" for sedan models.

Removal (Sunroof Equipped Vehicles)

1. Disconnect the negative battery cable.
2. Release the metal clips and drop front edge of map lamp (1) away from headlining. Slide map lamp forward in vehicle to clear pawls at rear.
3. Disconnect the connectors, then remove map lamp.

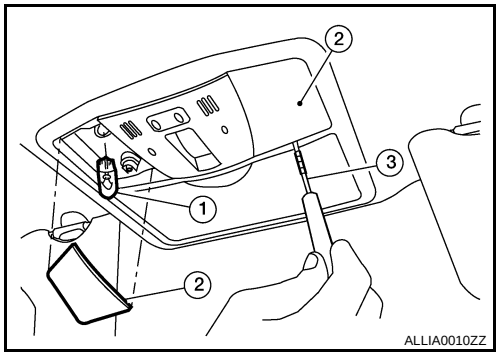


Installation (Sunroof Equipped Vehicles)
Installation is in the reverse order of removal.

Bulb Replacement

1. Disconnect the negative battery cable.
2. Using a suitable tool (3), remove map lamp lens (2) RH/LH.
3. Pull bulb (1) straight out to remove.

Map lamp bulb : 12V - 8W



VANITY MIRROR LAMP

Removal
The vanity mirror lamp is replaced as part of the sunvisor assembly. Refer to INT-19, "Removal and Installation".

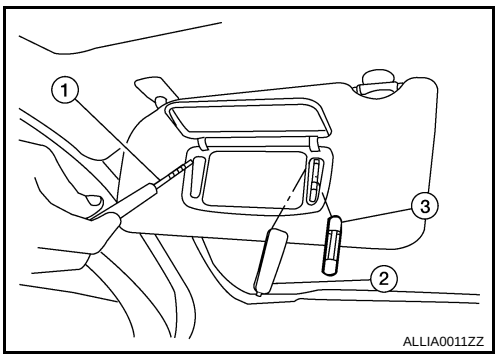
Installation
Installation is in the reverse order of removal.

Bulb Replacement

1. Disconnect the negative battery cable.

2. Using a suitable tool (1), remove the vanity mirror lamp lens (2) RH/LH.
3. Pull bulb (3) straight out to remove.

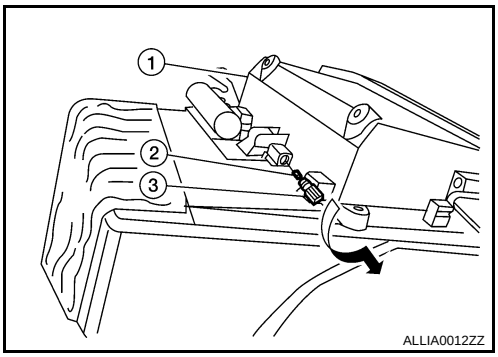
Vanity mirror lamp bulb : 12V - 2W



GLOVE BOX LAMP

Removal

1. Disconnect the negative battery cable.
2. Remove the lower instrument glove box assembly (1). Refer to IP-11, "Removal and Installation".
3. Rotate glove box lamp socket (3) counterclockwise to remove.



Installation

Installation is in the reverse order of removal.

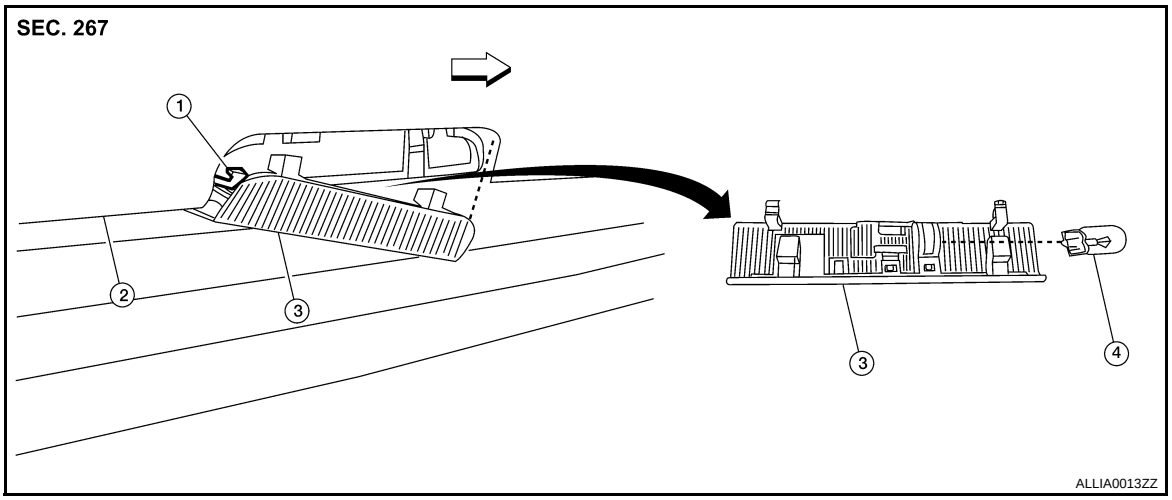
Bulb Replacement

1. Disconnect the negative battery cable.
2. Remove glove box lamp socket (3).
3. Pull bulb (2) straight out to remove.

Glove box lamp bulb : 12V - 3.4W

STEP LAMP

Removal



1. Step lamp connector
2. Door finisher
3. Step lamp lens/socket
4. Step lamp bulb
⇦ Vehicle front

1. Disconnect the negative battery cable.
2. Insert a suitable tool between door finisher (2) and step lamp lens/socket (1) to release the pawls.
3. Disconnect the step lamp connector, then remove step lamp.

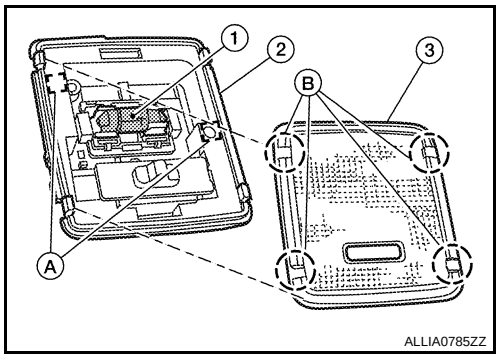
Installation
Installation is in the reverse order of removal.

Bulb Replacement
1. Disconnect the negative battery cable.
2. Remove the step lamp lens/socket.
3. Pull the bulb straight out to remove.

Step lamp bulb : 12V - 5W

ROOM LAMP (if equipped)

Removal
1. Disconnect the negative battery cable.
2. Insert a suitable tool between headlining and room lamp (2) to release the clips (A).
3. Disconnect the room lamp connector, then remove the room lamp (2).



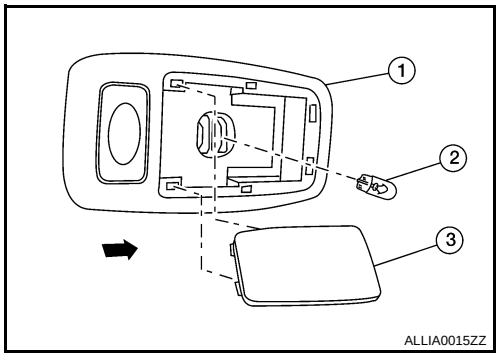
Installation
Installation is in the reverse order of removal.

Bulb Replacement
1. Disconnect the negative battery cable.
2. Using a suitable tool, release the pawls (B) and remove room lamp lens (3) from room lamp (2).
3. Pull bulb (1) straight out to remove.

Room lamp bulb : 12V - 8W

PERSONAL LAMP (if equipped)

Removal
The personal lamp (RH/LH) (1) is replaced as part of the headlining assembly. Refer to INT-40, "Removal and Installation".



Installation

Installation is in the reverse order of removal.

Bulb Replacement

1. Disconnect the negative battery cable.
2. Using a suitable tool, release the pawls and remove personal lamp lens (3)
3. Pull bulb (2) straight out to remove.

Personal lamp bulb : 12V - 8W

ILLUMINATION

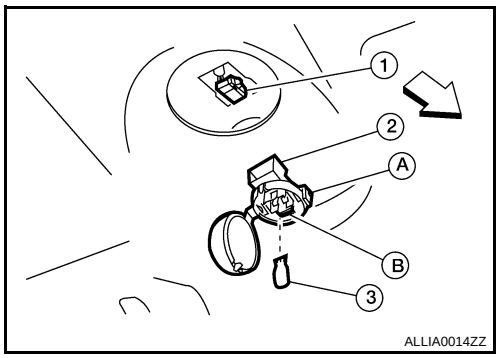
Removal and Installation

INFOID:0000000001345772

TRUNK ROOM LAMP

Removal

1. Disconnect the negative battery cable.
2. Release the tab (A), then swing open the lens.
3. Remove the bulb (3).
4. Release the tab (B), then pull trunk room lamp (2) away from body opening.
5. Disconnect the connector (1) and remove trunk room lamp.



Installation

Installation is in the reverse order of removal.

Bulb Replacement

1. Disconnect the negative battery cable.
2. Release the tab (A), then swing open the lens.
3. Pull bulb (3) straight out to remove.

Trunk room lamp bulb : 12V - 3.4W

SERVICE DATA AND SPECIFICATIONS (SDS)

SERVICE DATA AND SPECIFICATIONS (SDS)

Bulb Specifications

INFOID:0000000001345773

Item	Type	Wattage (W)	Bulb No.*
Map lamp	Wedge	8	B5Y
Push-button ignition switch illumination	LED	-	-
Vanity mirror lamp	Cylinder	2	-
Glove box lamp	Wedge	3.4	658
Step lamp	Wedge	5	-
Room lamp	Cylinder	8	B5Y
Personal Lamp	Wedge	8	B5Y
Trunk room lamp	Wedge	3.4	158

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