SECTION BODY CONTROL SYSTEM

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PRECAUTIONS

PRECAUTIONS

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

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The Supplemental Restraint System such as "AIR BAG" and "SEAT BELT PRE-TENSIONER", used along with a front seat belt, helps to reduce the risk or severity of injury to the driver and front passenger for certain types of collision. 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 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 SRS 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.

BCM (BODY CONTROL MODULE)

System Description

• BCM (Body Control Module) controls the operation of various electrical units installed on the vehicle.

BCM FUNCTION

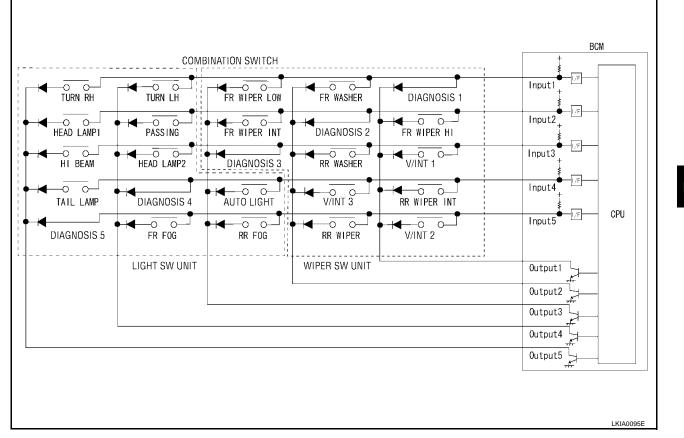
BCM has a combination switch reading function for reading the operation of combination switches (light, wiper washer, turn signal) in addition to the function for controlling the operation of various electrical components. Also, it functions as an interface that receives signals from the A/C control unit (with manual A/C), A/C auto amplifier (with auto A/C), and sends signals to ECM using CAN communication.

COMBINATION SWITCH READING FUNCTION

- 1. Description
 - BCM reads combination switch (light, wiper washer, turn signal) status, and controls various electrical components according to the results.
 - BCM reads information of 20 switches and 5 diagnostic results by combining five output terminals (OUTPUT 1 5) and five input terminals (INPUT 1 5).

2. Operation description

BCM outputs battery voltage from input terminals (INPUT 1 - 5) all the time. At the same time output terminals (OUTPUT 1 - 5) activate transistors in turn, and allow current to flow. At this time, if any (1 or more) of the switches are ON, the input terminals corresponding to these switches detect current flow, and BCM judges switches are ON.



- 3. Example (When fog lamp switch is turned ON)
 - When fog lamp switch is turned ON, contact in combination switch turns ON. At this time if OUTPUT 4 transistor is activated, BCM detects current flow in INPUT 5.
 - When OUTPUT 4 transistor is ON, BCM detects current flow in INPUT5, and judges fog lamp switch is ON. Then BCM sends fog lamp ON signal to IPDM E/R using CAN communication.
 - When OUTPUT 4 transistor is activated again, BCM detects current flow in INPUT 5, and confirms fog lamp switch is continuously ON.

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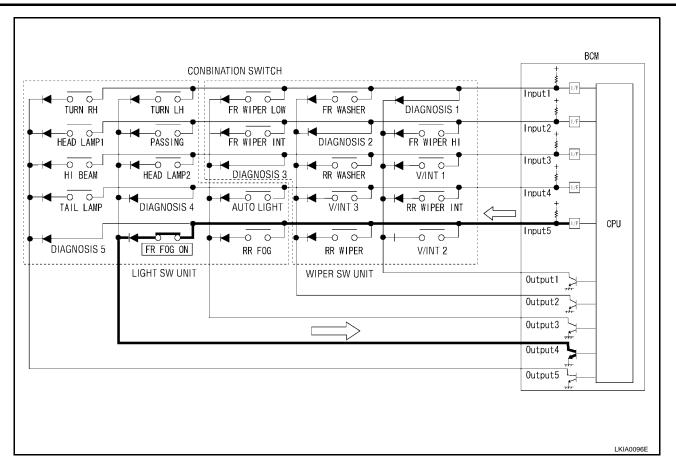
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NOTE:

Each OUTPUT terminal transistor is activated at 10 ms interval. Therefore, after a switch is turned ON, the electrical loads are activated with a time delay. But this time delay is so short that it cannot be noticed.

- 4. BCM Operation table of combination switches
 - BCM reads operation status of combination switches by the combination shown in the table.

		MB SW UT 1		IB SW UT 2		B SW UT 3		IB SW PUT 4		IB SW 2UT 5
	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF
COMB SW OUTPUT 1	DIAGNOSIS 1 OK	DIAGNOSIS 1 NG	FR WIPER HI ON	FR WIPER HI OFF	V/INT 1 ON	V/INT 1 OFF	RR WIPER INT ON	RR WIPER INT OFF	V/INT 2 ON	V/INT 2 OFF
COMB SW OUTPUT 2	FR WASHER ON	FR WASHER OFF	DIAGNOSIS 2 OK	DIAGNOSIS 2 NG	RR WASHER ON	RR WASHER OFF	V/INT 3 ON	V/INT 3 OFF	RR WIPER ON	RR WIPER OFF
COMB SW OUTPUT 3	FR WIPER LOW ON	FR WIPER LOW OFF	FR WIPER INT ON	FR WIPER INT OFF	DIAGNOSIS 3 OK	DIAGNOSIS 3 NG	AUTO LIGHT ON	AUTO LIGHT OFF	RR FOG ON	RR FOG OFF
COMB SW OUTPUT 4	TURN LH ON	TURN LH OFF	PASSING ON	PASSING OFF	HEAD LAMP 2 ON	HEAD LAMP 2 OFF	DIAGNOSIS 4 OK	DIAGNOSIS 4 NG	FR FOG ON	FR FOG OFF
COMB SW OUTPUT 5	TURN RH ON	TURN RH OFF	HEAD LAMP ON	HEAD LAMP OFF	HI BEAM ON	HI BEAM OFF	LIGHTING SWITCH 1ST POSITION ON	LIGHTING SWITCH 1ST POSITION OFF	DIAGNOSIS 5 OK	DIAGNOS 5 NG

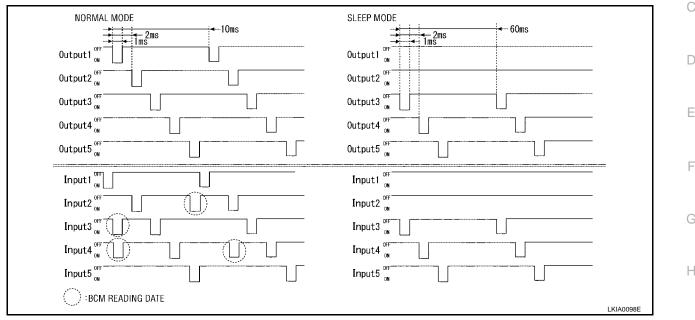
NOTE:

Headlamp has a dual system switch for safe operation.

5. Operation mode

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- Combination switch reading function has operation modes shown below.
- a. Normal mode
 - When BCM is not in sleep mode, each OUTPUT (1 5) terminal turns ON-OFF at 10 ms intervals.
- b. Sleep mode
 - When BCM is in sleep mode, transistors of OUTPUT 1 and 2 stop the output, and BCM enters low-current-consumption mode. OUTPUTS (3 - 5) turn ON-OFF at 60 ms intervals, and receives lighting switch input only.



CAN COMMUNICATION CONTROL

CAN communication is capable of dealing with a lot of information through the two communication lines (CAN L-line, CAN H-line) connecting control units in the system. Also each control unit functions to transmit and receive data, and reads necessary information only.

BCM STATUS CONTROL

BCM changes its status depending on the operation status in order to save power consumption.

- 1. CAN communication status
 - With ignition switch ON, CAN communicates with other control units normally.
 - Control by BCM is being operated properly.
 - When ignition switch is OFF, switching to sleep mode is possible.
 - Even when ignition switch is OFF, if CAN communication with IPDM E/R and combination meter is active, CAN communication status is active.

2. Sleep status

- This is the status to stop CAN communication when ignition switch is turned OFF.
- It transmits sleep request signal to IPDM E/R and combination meter.
- Two seconds after CAN communication with other control unit stops, it switches to CAN communication inactive status.
- 3. CAN communication inactive status
 - With ignition switch OFF, CAN communication is not active.
 - With ignition switch OFF, control performed only by BCM is active.
 - Two seconds after CAN communication with other control unit stops, it switches to CAN communication inactive status.
- 4. Sleep status
 - BCM is activated with low-current-consumption mode.
 - CAN communication is not active.

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- When CAN communication operation is detected, it switches to CAN communication status.
- When control performed only by BCM is required by switch, it shifts to CAN communication inactive mode.
- It changes combination switch reading function.

SYSTEMS CONTROLLED BY BCM DIRECTLY

- Power door lock system. Refer to <u>BL-16, "POWER DOOR LOCK SYSTEM"</u>.
- Remote keyless entry system. Refer to.<u>BL-42, "REMOTE KEYLESS ENTRY SYSTEM"</u>.
- Power window system. Refer to <u>GW-15, "POWER WINDOW SYSTEM"</u>. NOTE
- Sunroof system. Refer to <u>RF-10, "SUNROOF"</u>. NOTE
- Room lamp timer. Refer to LT-117, "INTERIOR ROOM LAMP".
- Key reminder
- Warning chime
- Turn signal and hazard warning lamps

NOTE:

Power supply only. No system control.

SYSTEMS CONTROLLED BY BCM AND IPDM E/R

- Headlamp, tail lamp, fog lamp, auto light system
- Wiper
- Front washer
- Rear window defogger

MAJOR COMPONENTS AND CONTROL SYSTEM

System	Input	Output
Remote keyless entry system	_	All-door locking actuator Trunk lid opener actuator
Power door lock system	Power door lock switchDriver door lock switch	All-door locking actuator
Power supply (IGN) to power window, sunroof	Ignition power supply	Power supply to power window and sunroof system
Power supply (BAT) to power window, sunroof and power seat	Battery power supply	Power supply to power window, sunroof system and power seat
Auto light system	Auto light sensor Combination switch	IPDM E/R
Headlamp	Combination switch	IPDM E/R
Tail lamp	Combination switch	IPDM E/R
Fog lamp	Combination switch	IPDM E/R
Turn signal lamp	Combination switch	Turn signal lamp Combination meter
Hazard lamp	Hazard switch	Turn signal lamp Combination meter
Room lamp timer	Key detection switch Driver door lock switch Driver door switch All-door switch	Interior room lamp
Key warning chime	Key detection switch Driver door switch	Combination meter (warning buzzer)
Light warning chime	Combination switch Key detection switch Driver door switch	Combination meter (warning buzzer)
Vehicle-speed-sensing intermittent wiper	Combination switch Combination meter	IPDM E/R

System	Input	Output	
Front washer	Combination switch	Front washer motor IPDM E/R	
Rear window defogger	Rear defogger switch	IPDM E/R	
Air conditioner switch signal	A/C auto amplifier (with auto A/C) A/C control unit (with manual A/C)	ECM	
Blower fan switch signal	A/C auto amplifier (with auto A/C) A/C control unit (with manual A/C)	ECM	

CAN Communication System Description

Refer to LAN-4, "CAN COMMUNICATION" .

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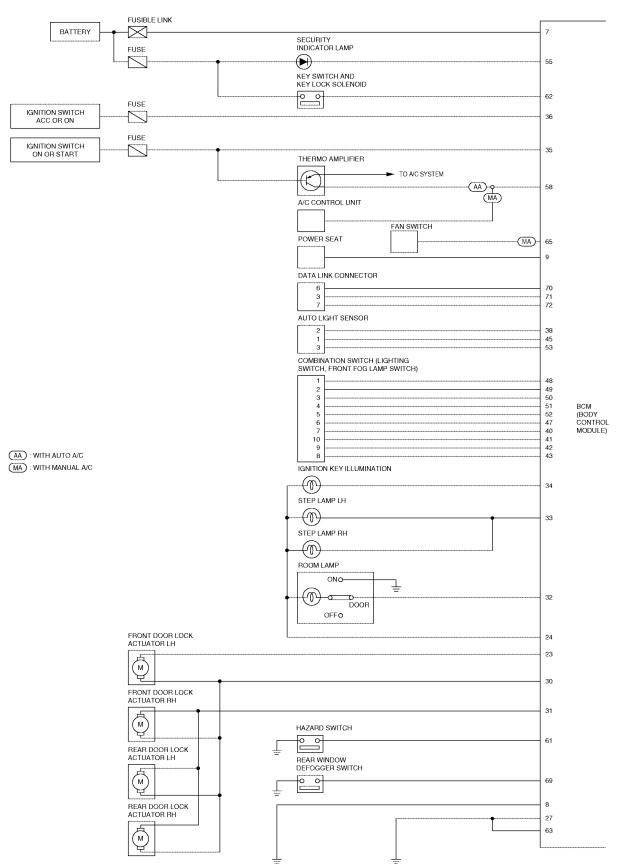
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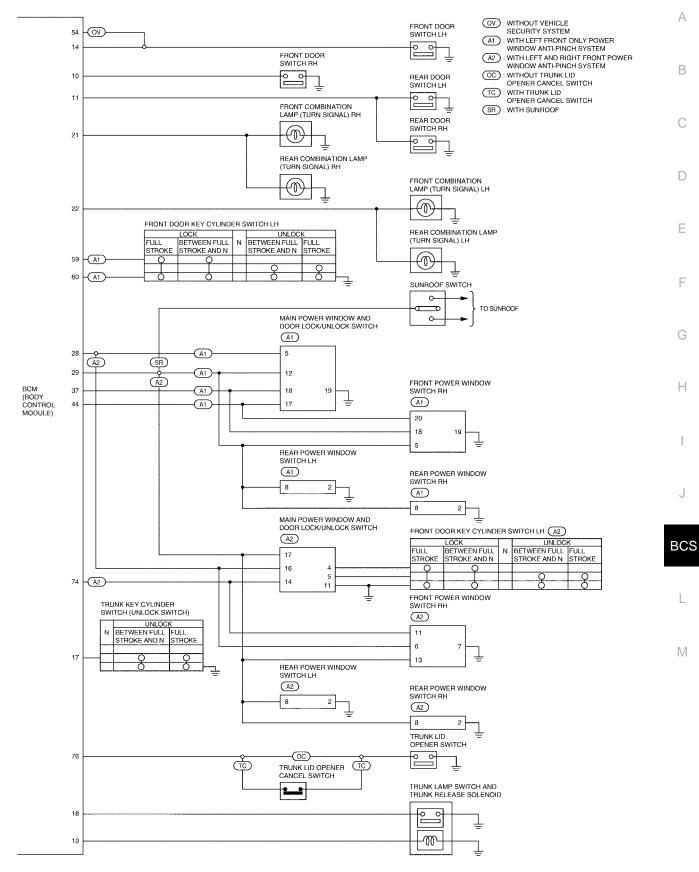
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Schematic





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WKWA0203E

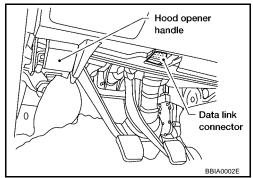
CONSULT-II Function (BCM)

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

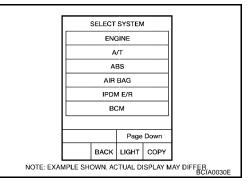
BCM diagnostic test item	Check item, diagnostic test mode	Content
	Work support	Changes setting of each function.
Inspection by part	Self-diag results	BCM performs self-diagnosis of CAN communication and combination switch.
	CAN diagnostic support monitor	Result of transmit/receive diagnosis of CAN communication can be read.
	Data monitor	Displays the input data of BCM in real time.
	Active test	Gives a drive signal to a load to check the operation.

CONSULT-II INSPECTION PROCEDURE

1. With ignition switch OFF, connect CONSULT-II to data link connector and turn ON ignition switch.



CONSULT-II ENGINE START (NISSAN BASED VHCL) START (X-BADGE VHCL) SUB MODE LIGHT COPY NOTE: EXAMPLE SHOWN. ACTUAL DISPLAY MAY DIFFER. BCIA0029E



Touch "START (NISSAN BASED VHCL)".

3. Touch "BCM" on "SELECT SYSTEM" screen.

2.

Select item to be diagnosed on "SELECT TEST ITEM" screen. 4.

SELECT TEST ITEM	
COMB SW	
WIPER	
BCM C/U	
FLASHER	
SIGNAL BUFFER	
TRUNK	
LI	LKIA0099E

ITEMS OF EACH PART

			Diagnosti	c test mode (Inspectio	on by part)		-
System and item	CONSULT-II dis- play	WORK SUPPORT	SELF-DIAG RESULTS	CAN DIAG SUP- PORT MNTR	DATA MONITOR	ACTIVE TEST	- E
Power door lock sys- tem	Door lock				×	×	F
Rear defogger	Rear defogger				×	×	-
Key reminder	Key reminder				×	×	
Light reminder	Light reminder				×	×	
Room lamp timer	Interior room lamp	×			×	×	_
Power supply (IGN) to power window and sunroof	RAP				×	×	ŀ
Remote keyless entry system	Keyless entry	×			×	×	
Headlamp	Headlamp	× NOTE 1			× NOTE 2		_
Combination switch	Combination switch				× NOTE 2		
BCM	BCM		×	×	×		-
Turn signal lamp Hazard lamp	Flasher				×	×	B
Air conditioner switch signal Blower fan switch sig- nal	Signal buffer				×		L

NOTE:

1. For vehicles with auto light only

2. For vehicles without auto light, related items are displayed, but monitoring cannot be performed.

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CAN Communication Inspection Using CONSULT-II (Self-Diagnosis)

1. SELF-DIAGNOSTIC RESULT CHECK

- 1. Connect to CONSULT-II, and select "BCM" on "SELECT SYSTEM" screen.
- 2. Select "BCM control unit " on "SELECT WORK ITEM"screen, and select "SELF-DIAG RESULTS".
- 3. Check display content in self-diagnostic results.

CONSULT-II display code	Diagnosis item
	INITIAL DIAG
U1000	TRANSMIT DIAG
	ECM
	IPDM E/R
	METER/M&A

Contents displayed

No malfunction>>Inspection End

Malfunction in CAN communication system>>After printing the monitor items, go to "CAN System". Refer to LAN-4, "CAN COMMUNICATION".

Combination Switch Inspection According to Self-Diagnostic Results 1. SELF-DIAGNOSTIC RESULT CHECK

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1. Connect to CONSULT-II, and select "BCM" on "SELECTSYSTEM" screen.

- 2. Select "BCM control unit " on "SELECT WORK ITEM"screen, and select "SELF-DIAG RESULTS".
- 3. Check display content in self-diagnostic results.

CONSULT-II display code	Self-diagnostic result content	Malfunctioning switch system	Detection conditions	Possible causes
B2049	OPEN DETECT 1	 The following switch operation shown below cannot be input. Front wiper Hi Intermittent control 1 Intermittent control 2 	BCM terminal No. 48 (Input 1) does not change. (Open circuit in diagnosis 1 system line or open malfunc- tion in output 1 transistor.)	 Vehicle harness between BCM and combination switch Wiper switch BCM
B2050	OPEN DETECT 2	The following switch operation shown below cannot be input.Front washerIntermittent control 3	BCM terminal No. 49 (Input 2) does not change. (Open circuit in diagnosis 2 system line or open malfunc- tion in output 2 transistor.)	 Vehicle harness between BCM and combination switch Wiper switch BCM
B2051	OPEN DETECT 3	The following switch operation shown below cannot be input. • Front wiper Lo • Front wiper INT • Auto light	BCM terminal No. 50 (Input 3) does not change. (Open circuit in diagnosis 3 system line or open malfunc- tion in output 3 transistor.)	 Vehicle harness between BCM and combination switch Wiper switch (Front wiper Lo, INT) Lighting switch (Auto light) BCM
B2052	OPEN DETECT 4	The following switch operation shown below cannot be input. • TURN LH • PASSING • Headlamp 2 • Front fog lamp	BCM terminal No. 51 (Input 4) does not change. (Open circuit in diagnosis 4 system line or open malfunc- tion in output 4 transistor.)	 Vehicle harness between BCM and combination switch Lighting switch BCM

CONSULT-II display code	Self-diagnostic result content	Malfunctioning switch system	Detection conditions	Possible causes	А
B2053	OPEN DETECT 5	The following switch operation shown below cannot be input. • TURN RH • Headlamp 1 • HI BEAM • Lighting switch 1st position	BCM terminal No. 52 (Input 5) does not change. (Open circuit in diagnosis 5 system line or open malfunc- tion in output 5 transistor.)	 Vehicle harness between BCM and combination switch Lighting switch BCM 	B
B2054	HEADLAMP 1 SW NG	Headlamp 1 malfunction	Headlamp 1 switch OFF Headlamp 2 switch ON	Lighting switch	
B2055	HEADLAMP 2 SW NG	Headlamp 2 malfunction	Headlamp 1 switch ON Headlamp 2 switch OFF	Lighting switch	D

Display content

No malfunction>>Inspection End Malfunction in diagnosis system>>GO TO 2. Malfunction in headlamp switch system>>Replace lamp switch.

2. HARNESS INSPECTION

- 1. Disconnect BCM connector and combination switch connector.
- 2. Check continuity between BCM harness connector of applicable malfunctioning system and combination switch connector terminals.

Self-	Terminals								Н
diagnos-		(+)			-)	A		Combination switch connector	
tic result content Connector		Terminal (wire color)		Connector	Terminal (wire color)	Continuity	BCM connector	I	
OPEN		Input 1	48 (G/W)		1 (G/W)		40, 41, 42, 43, 47, 48, 49, 50, 51, 52	1, 2, 3, 4, 5, 6, 7, 8, 9, 10	
DETECT 1		Output 1	47 (R/W)		6 (R/W)				J
OPEN		Input 2	49 (G/B)		2 (G/B)				
DETECT 2		Output 2	40 (R/B)		7 (R/B)		SKIA1134E		BCS
OPEN		Input 3	50 (G/R)		3 (G/R)				
DETECT 3	M19	Output 3	41 (R/G)	M28	10 (R/G)	Yes			L
OPEN		Input 4	51 (G/Y)		4 (G/Y)				
DETECT 4		Output 4	42 (R/Y)		9 (R/Y)				M
OPEN		Input 5	52 (L/W)		5 (L/W)				
DETECT 5		Output 5	43 (L)		8 (L)				

• Refer to LT wiring diagram LT-H/LAMP-01, LT-9.

OK or NG

OK >> GO TO 3.

NG >> Check harness between BCM and combination switch for open or short circuit.

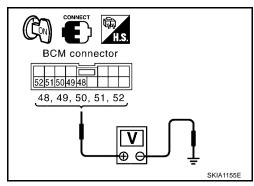
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3. INSPECTION OF BCM INPUT TERMINAL VOLTAGE

Connect BCM connector, and check BCM input terminal voltage of applicable malfunctioning system.

	Т			
Self-diagnostic result content		BCM		Voltage
	Connector	Terminal (*	
OPEN DETECT 1		Input 1	48 (G/W)	
OPEN DETECT 2		Input 2	49 (G/B)	*
OPEN DETECT 3	M19	Input 3	50 (G/R)	4.5V or more
OPEN DETECT 4		Input 4	51 (G/Y)	*
OPEN DETECT 5		Input 5	52 (L/W)	



Refer to LT wiring diagram LT–H/LAMP–01, <u>LT-9</u>.

OK or NG

OK >> GO TO 4.

NG >> Replace BCM.

4. BCM OUTPUT TERMINAL INSPECTION

Connect combination switch connector, and check BCM output terminal voltage waveform of applicable malfunctioning system.

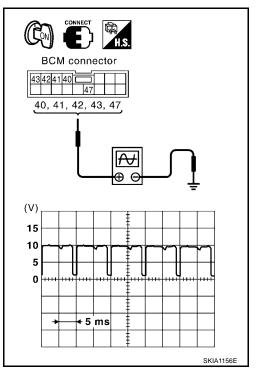
	Terminals						
Self-diagnostic result content	BCM						
	Connector	Connector Terminal (wire color)					
OPEN DETECT 1		Output 1	47 (R/W)				
OPEN DETECT 2		Output 2	40 (R/B)				
OPEN DETECT 3	M19	Output 3	41 (R/G)				
OPEN DETECT 4		Output 4	42 (R/Y)				
OPEN DETECT 5		Output 5	43 (L)				

• Refer to LT wiring diagram LT-H/LAMP-01, LT-9.

OK or NG

OK >> Combination switch malfunction, go to 5.

NG >> Replace BCM.



5. COMBINATION SWITCH INSPECTION

Following the table below, check switches by procedure of appropriate malfunctioning system.

Self-diag-	Procedure									
nostic result content	1	2		3	4	5	6	7		
	switch diagno	Confirm self-	ОК	Inspection End						
OPEN DETECT 1		diagnostic results again.	NG	Confirm symptom again.		_				

Self-diag-					Procedu	re					А
nostic result content	1	2		3	4		5	6		7	A
OPEN	Wiper switch	Confirm self-	ОК	Inspection End							В
DETECT 2	replace- ment	diagnostic results again.	NG	Confirm symptom again.			_				С
OPEN	Lighting switch	Confirm self-	ОК	Inspection End	Confirm self- OK End self-diag-		Confirm self-		ОК	Inspection End	
DETECT 3	replace- ment	diagnostic results again.	NG	Wiper switch replacement	diagnostic results again. NG	results Switch base results	NG	Confirm symptom again.	D		
OPEN	Lighting switch	Confirm self-	ОК	Inspection End	Confirm self- diagnostic	ОК	Inspection End	Confirm self-diag-	ОК	Inspection End	E
DETECT 4	replace- ment	diagnostic results again.	NG	Wiper switch replacement	results again.	NG	Switch base replacement	nostic results again.	NG	Confirm symptom again.	F
OPEN	Lighting switch	Confirm self-	ОК	Inspection End	Confirm self- diagnostic results NG		Inspection End	Confirm self-diag-	ОК	Inspection End	
DETECT 5	replace- ment	diagnostic results again.	NG	Wiper switch replacement			Switch base replacement	nostic results again.	NG	Confirm symptom again.	G

>> Inspection End

Malfunctioning Operation of Lamps and Wipers 1. SYMPTOM CHECK

Confirm symptom, and confirm malfunctioning system No. from the table below.

Ignition switch	Symptom	Malfunc- tioning system	Possible causes
ON OFF	 LH Turn signal lamp and RH Turn signal lamp on Front wiper on (LO speed) 	1	 Vehicle harness shorted between BCM input terminal No. 1 and BCM output terminal No. 1 BCM Combination switch
ON OFF	 Headlamp on (HI and LO) Front wiper on (HI speed) Headlamp on (HI and LO) 	2	 Vehicle harness shorted between BCM input terminal No. 2 and BCM output terminal No. 2 BCM Combination switch
ON OFF	Headlamp on (HI and LO) Headlamp on (HI and LO)	3	 Vehicle harness shorted between BCM input terminal No. 3 and BCM output terminal No. 3 BCM Combination switch
ON OFF	 Parking lamp and Tail lamp on Headlamp on at certain degrees of brightness Parking lamp and Tail lamp on 	4	 Vehicle harness shorted between BCM input terminal No. 4 and BCM output terminal No. 4 BCM Combination switch
ON	Front fog lamp on		 Vehicle harness shorted between BCM input terminal No. 5 and BCM output terminal No. 5
OFF	Front fog lamp on	5	 BCM Combination switch

>> GO TO 2.

Revision: May 2004

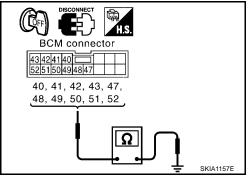
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2. HARNESS INSPECTION

- 1. Disconnect BCM connector and combination switch connector.
- 2. Check continuity between BCM harness connector of applicable malfunctioning system and body ground.

		Tern	ninals			
Self-diagnostic result content		(+)		(-)	Continuity	
	Connector	Terminal	(wire color)	(-)		
OPEN DETECT 1		Input 1	48 (G/W)			
OF ENDETECT T		Output 1	47 (R/W)			
OPEN DETECT 2		Input 2	49 (G/B)	- Ground		
OPEN DETECT 2		Output 2	40 (R/B)			
OPEN DETECT 3		Input 3	50 (G/R)			
OPEN DETECT 3	M19	Output 3	41 (R/G)		No	
OPEN DETECT 4		Input 4	51 (G/Y)			
OPEN DETECT 4		Output 4	42 (R/Y)			
OPEN DETECT 5		Input 5	52 (L/W)			
OPEN DETECT 5		Output 5	43 (L)			



• Refer to LT wiring diagram LT–H/LAMP–01, LT-9.

OK or NG

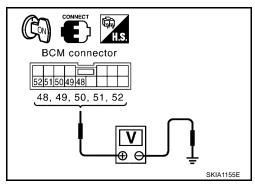
OK >> GO TO 3.

NG >> Check harness between BCM and combination switch for short circuit.

3. INSPECTION OF BCM INPUT TERMINAL VOLTAGE

Connect BCM connector. Check voltage between BCM input terminal of applicable malfunctioning system and body ground.

		Terminals					
Self-diagnostic result content		(+)	()	Voltage			
	Connector	Terminal (wire color)	(-)				
OPEN DETECT 1		48 (G/W)					
OPEN DETECT 2		49 (G/B)					
OPEN DETECT 3	M19	50 (G/R)	Ground	4.5V or more			
OPEN DETECT 4		51 (G/Y)					
OPEN DETECT 5		52 (L/W)					



• Refer to LT wiring diagram LT-H/LAMP-01, LT-9.

OK or NG

OK >> Combination switch malfunction, go to 4.

NG >> Replace BCM.

4. COMBINATION SWITCH INSPECTION

Following the table below, check combination switch.

				Procedure						E
1	2		3	4		5	6		7	
Lighting	Confirm self- diagnostic	ОК	Inspection End	Confirm self-	OK	Inspection End	Confirm self- diagnostic	OK	Inspection End	C
switch replacement	results again.	NG	Wiper switch replacement	diagnostic results again.	NG	Replace- ment of switch base	results again.	NG	Confirm symptom again.	Г

>> Inspection End

Inspection of BCM Power Supply and Ground Circuit 1. FUSE AND FUSIBLE LINK INSPECTION

Check if any of the following BCM fuses and fusible links are blown.

Terminal No.	Signal name	Fuse No., fusible link No.	
7	Battery	f	
35	Ignition switch ON or START	12	
36	Ignition switch ACC or ON	6	
Defente I Tuvining die groop			-

Refer to LT wiring diagram LT-H/LAMP-01, <u>LT-9</u>.

OK or NG

OK >> GO TO 2.

NG >> Replace fuse or fusible link.

2. POWER SUPPLY CIRCUIT INSPECTION

Disconnect BCM connector. To measure voltage, connect following connector terminals to positive probe and body ground to negative one.

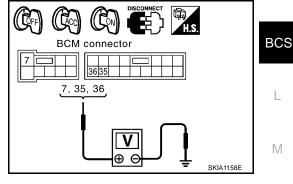
	Terminals					
((+)		Power source	Ignition	Reference	
Connector	Terminal (wire color)	(-)		switch	voltage (V)	
E39	7 (W/B)		Battery power	OFF	Approx. 12	
M19	35 (G)	Ground	Ignition power supply	ON	Approx. 12	
10119	36 (PU)		ACC power supply	ACC	Approx. 12	

• Refer to LT wiring diagram LT-H/LAMP-01, LT-9.

OK or NG

OK >> GO TO 3.

NG >> Replace BCM power supply circuit harness.



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3. ground circuit inspection

Check continuity between the following connector of BCM and body ground.

	Terminals		-			
	(+)	()	Power source	Ignition switch	Continuity	
Connector	Terminal (wire color)	(-)				
E39	8 (B)	Ground	Ground	OFF	YES	

• Refer to LT wiring diagram LT–H/LAMP–01, <u>LT-9</u>. <u>OK or NG</u>

OK >> Normal

NG >> Replace BCM ground circuit harness.

