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POWER SUPPLY, GROUND & CIRCUIT ELEMENTS

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PRECAUTIONS

PRECAUTIONS PFP:00011

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.

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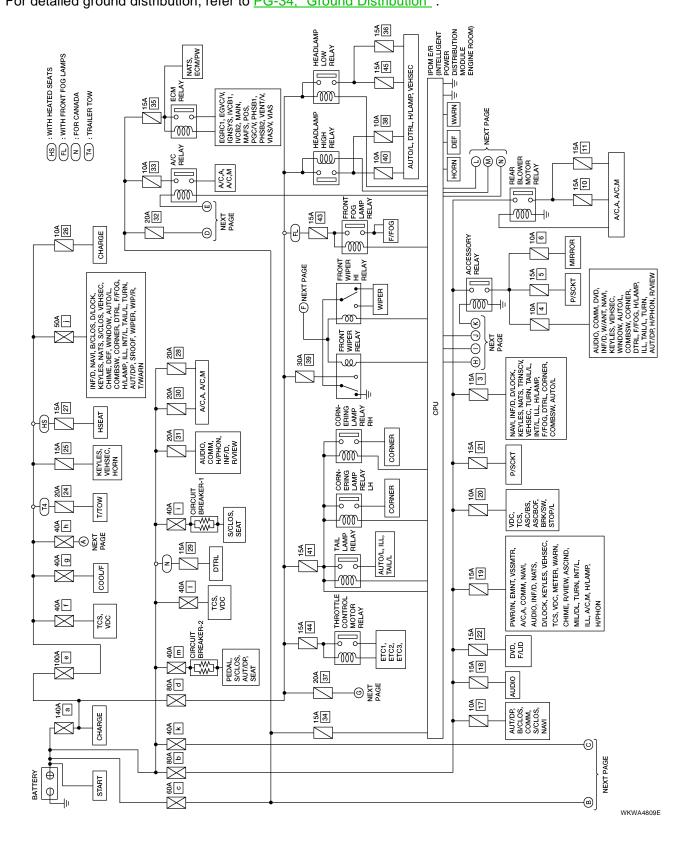
POWER SUPPLY ROUTING CIRCUIT

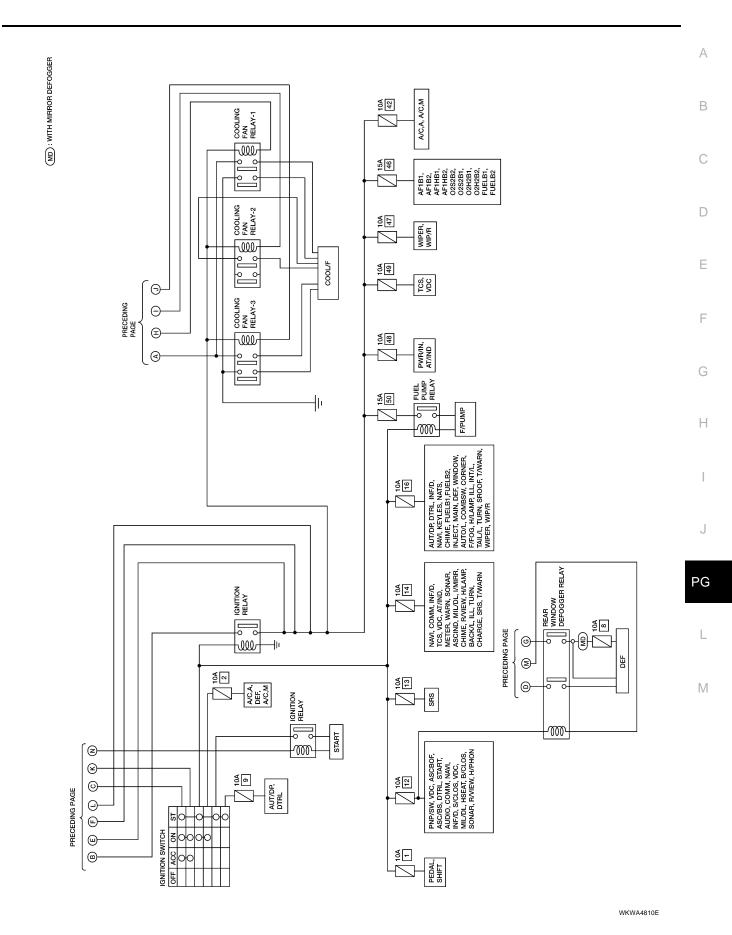
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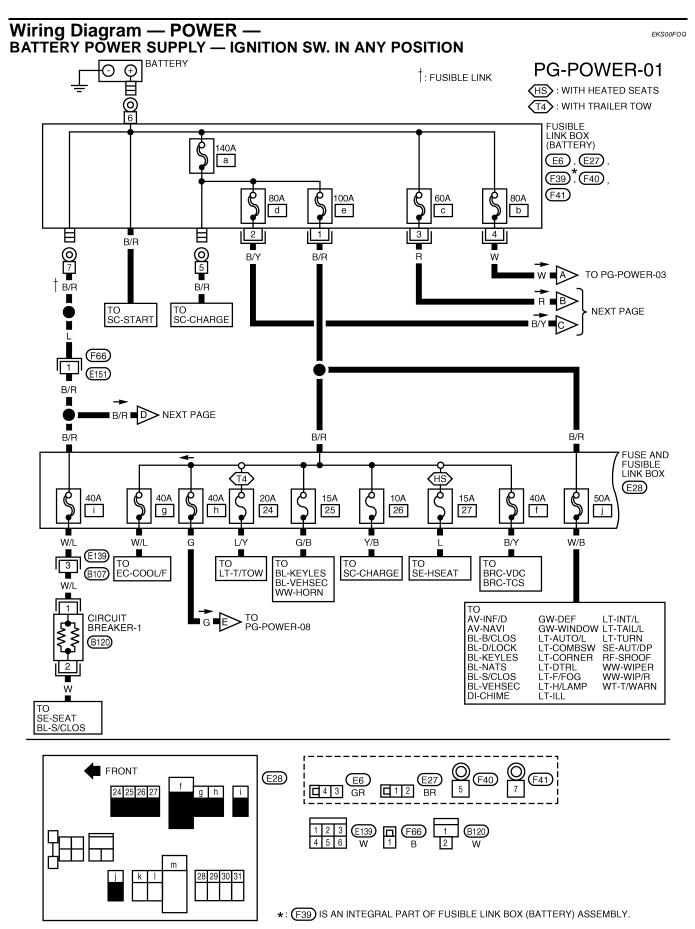
Schematic

For detailed ground distribution, refer to PG-34, "Ground Distribution".

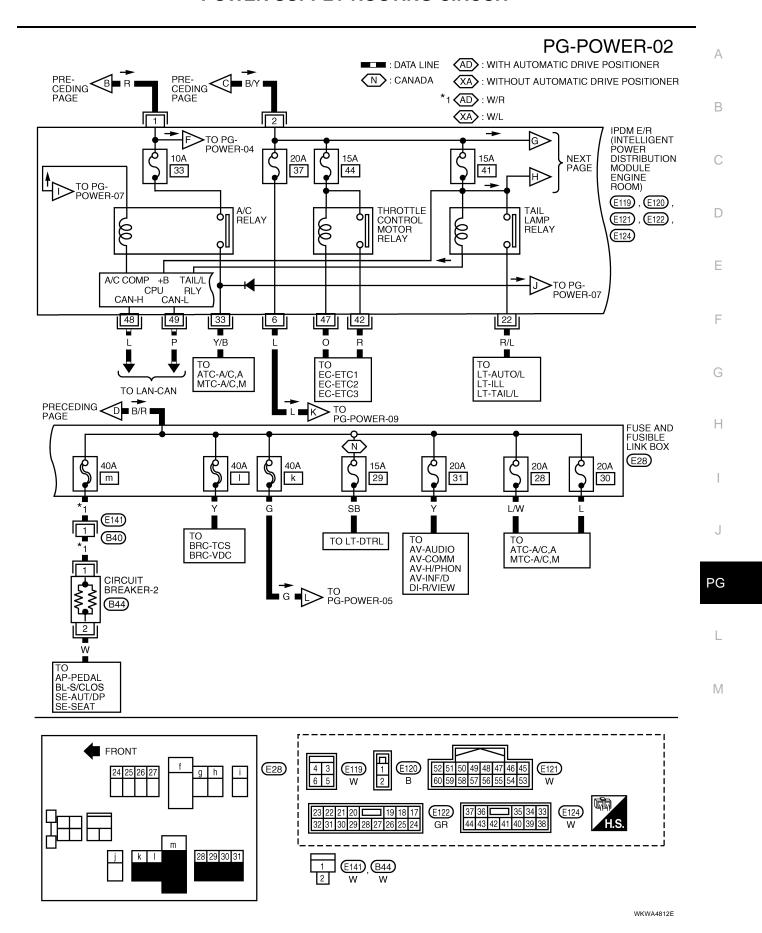


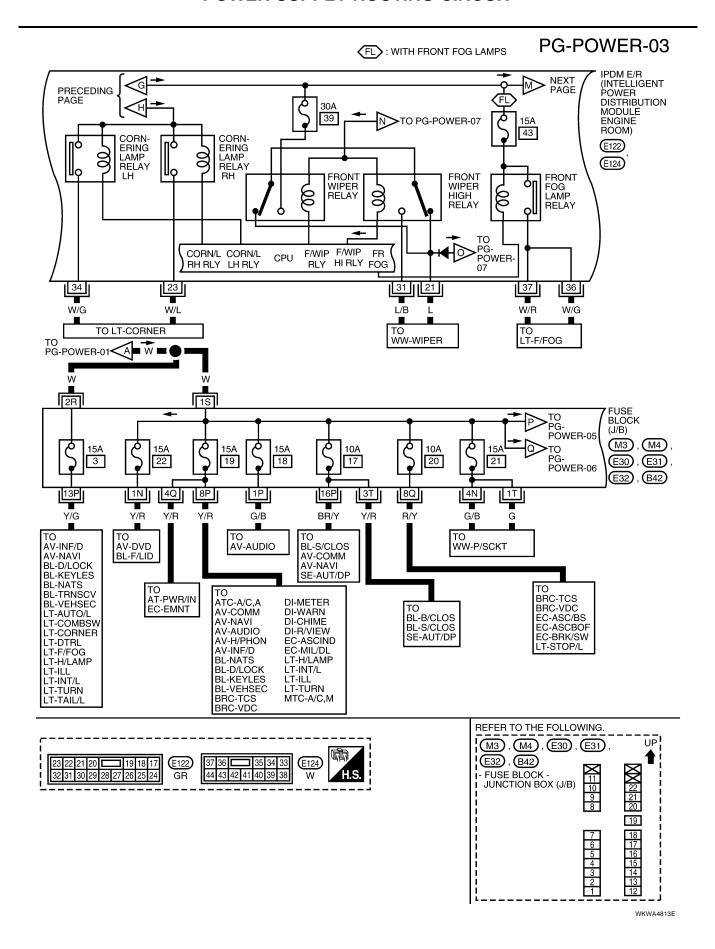


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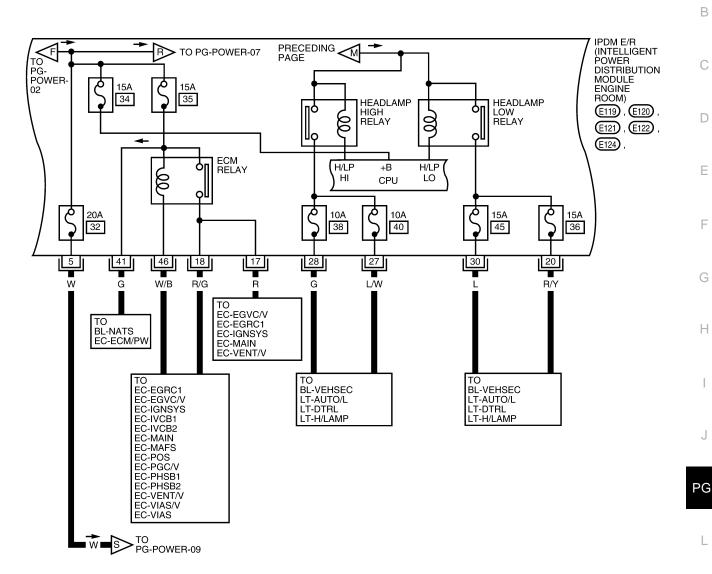


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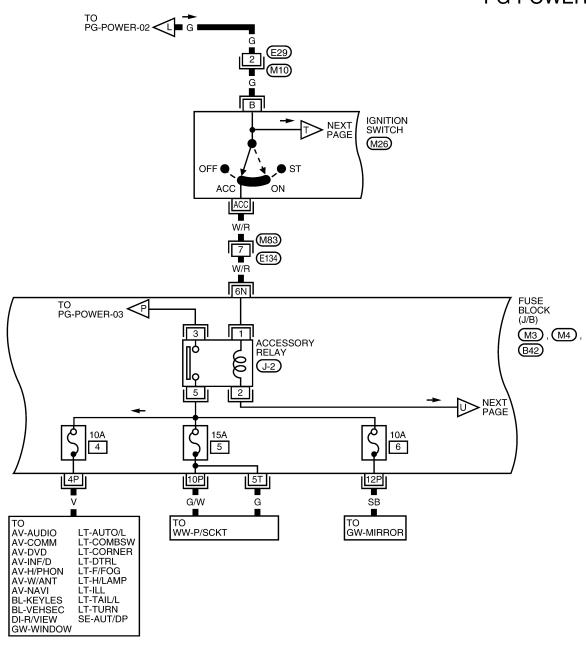
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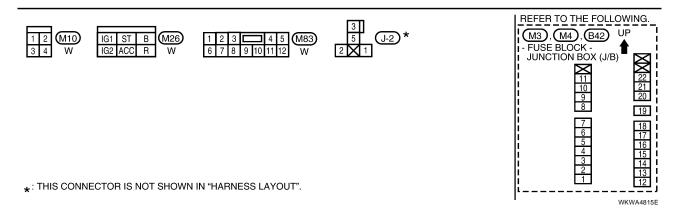
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ACCESSORY POWER SUPPLY — IGNITION SW. IN ACC OR ON

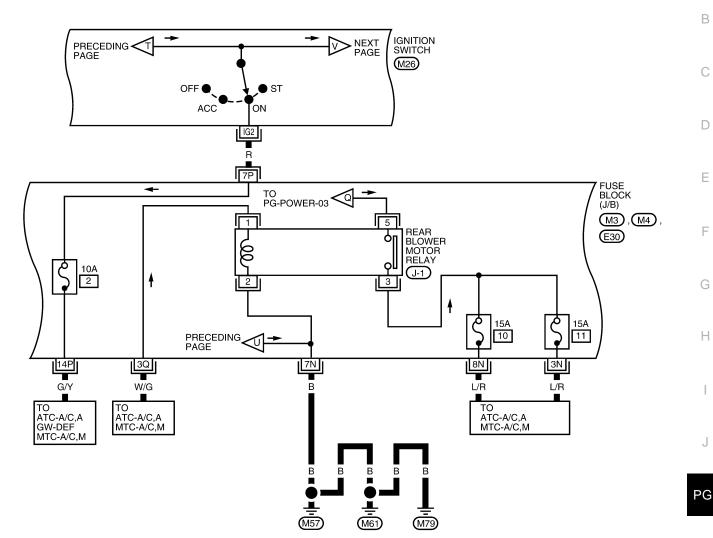
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IGNITION POWER SUPPLY — IGNITION SW. IN ON

PG-POWER-06



IG1 ST B M26 IG2 ACC R W

REFER TO THE FOLLOWING. M3, M4, E30 UP FUSE BLOCK -JUNCTION BOX (J/B) 19 18 17

*: THIS CONNECTOR IS NOT SHOWN IN "HARNESS LAYOUT".

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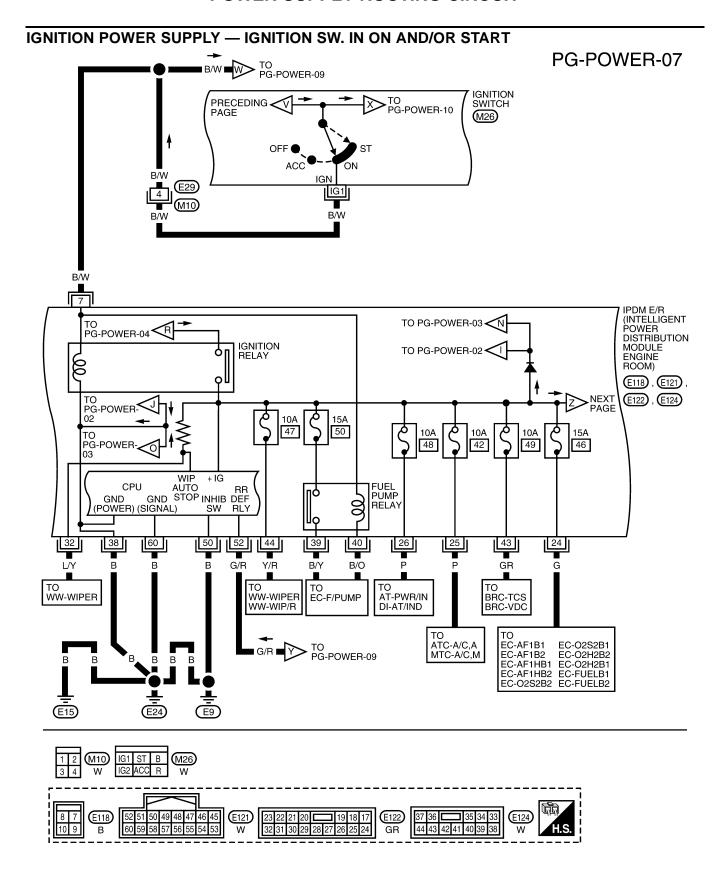
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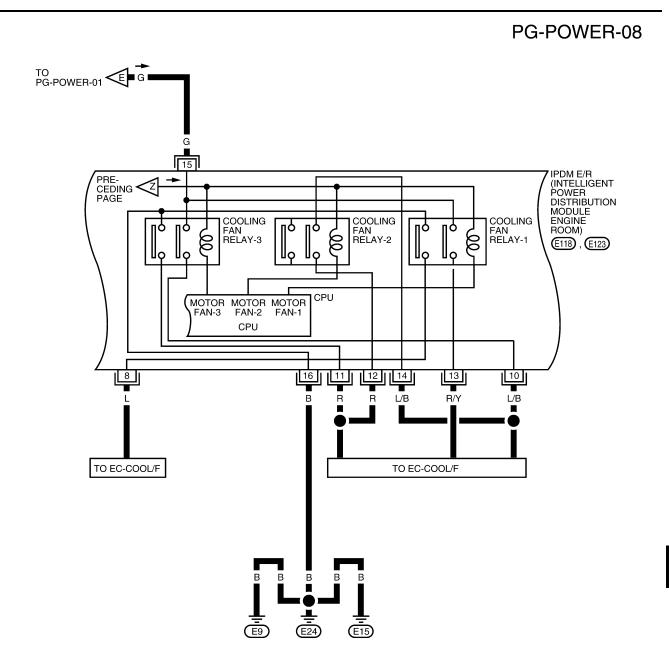
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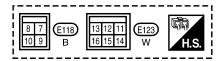
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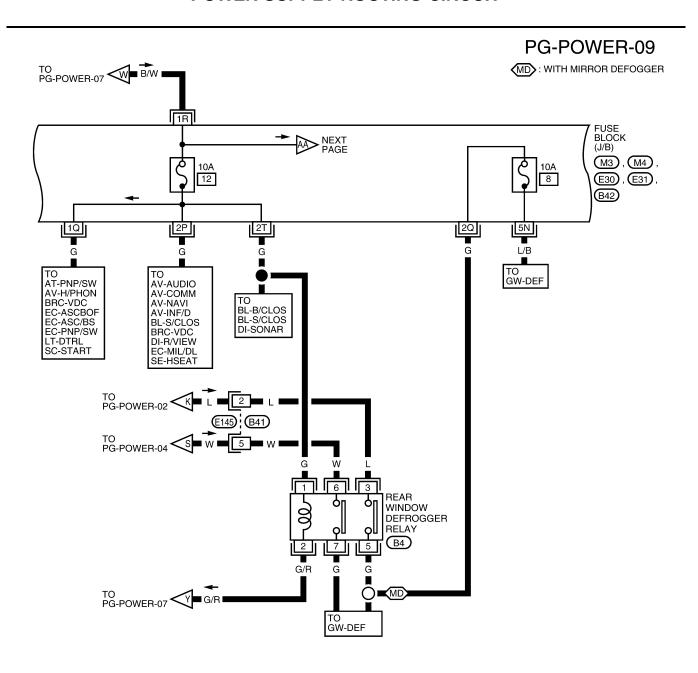
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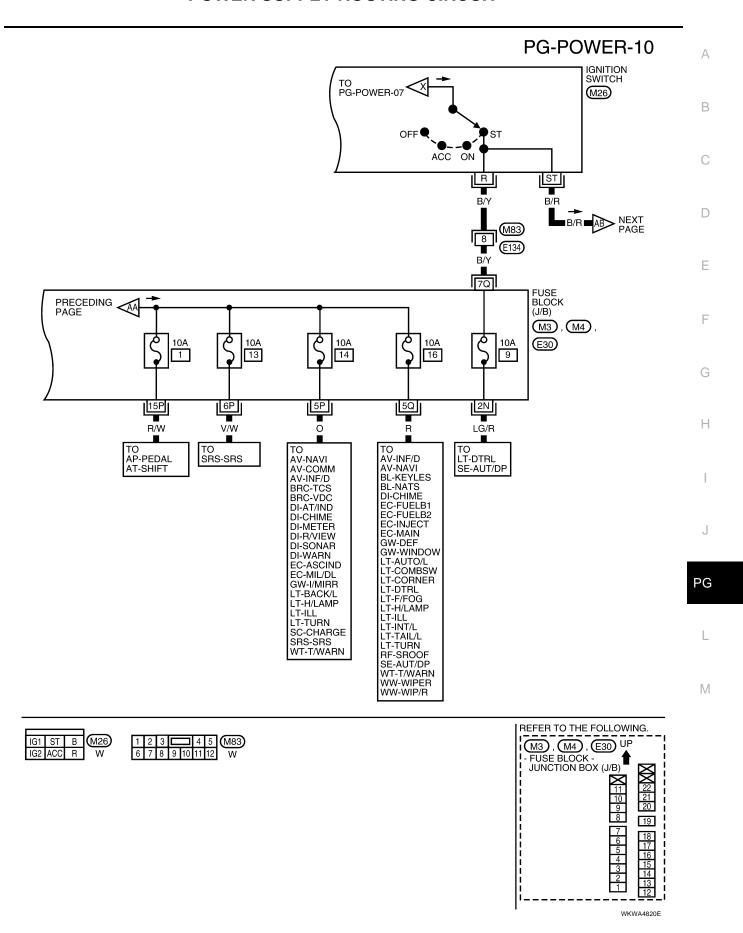
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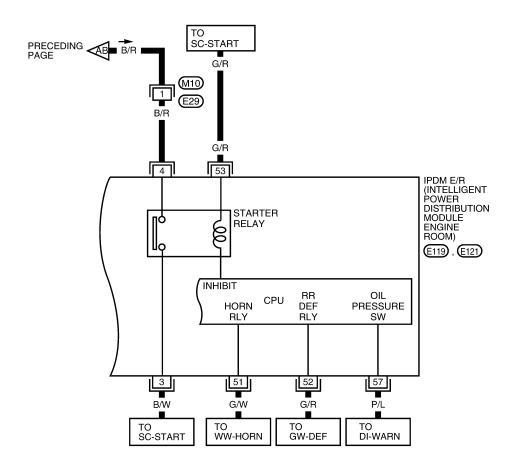
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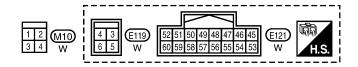






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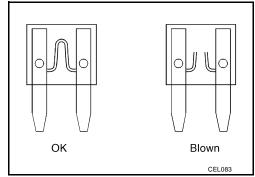


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Fuse

 If fuse is blown, be sure to eliminate cause of incident before installing new fuse.

- Use fuse of specified rating. Never use fuse of more than specified rating.
- Do not partially install fuse, always insert it into fuse holder properly.
- Remove fuse for "ELECTRICAL PARTS (BAT)" if vehicle is not used for a long period of time.



Fusible Link

A melted fusible link can be detected either by visual inspection or by feeling with finger tip. If its condition is questionable, use circuit tester or test lamp.

CAUTION:

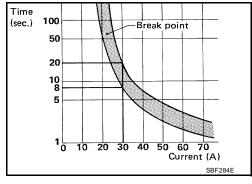
- If fusible link should melt, it is possible that critical circuit (power supply or large current carrying circuit) is shorted. In such a case, carefully check and eliminate cause of incident.
- Never wrap outside of fusible link with vinyl tape.
- Never let fusible link touch any other wiring harness, vinyl or rubber parts.

Circuit Breaker (Built Into BCM)

For example, when current is 30A, the circuit is broken within 8 to 20 seconds.

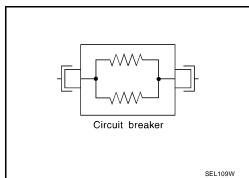
A circuit breaker is used for the following systems:

- Power windows
- Power sunroof



Circuit Breaker (PTC)

The PTC thermistor generates heat in response to current flow. The temperature (and resistance) of the thermistor element varies with current flow. Excessive current flow will cause the element's temperature to rise. When the temperature reaches a specified level, the electrical resistance will rise sharply to reduce the circuit current. This reduced current flow will cause the element to cool lowering the resistance accordingly. Once resistance falls to a specified level normal circuit current flow is allowed to resume.



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Revision: March 2006 PG-17 2007 Quest

IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)

PFP:284B7

System Description

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- IPDM E/R (Intelligent Power Distribution Module Engine Room) integrates the relay box and fuse block which were originally placed in engine compartment. It controls integrated relays via IPDM E/R control circuits.
- IPDM E/R-integrated control circuits perform ON-OFF operation of relays, CAN communication control, oil
 pressure switch signal reception, etc.
- It controls operation of each electrical component via ECM, BCM and CAN communication lines.

CAUTION:

None of the IPDM E/R integrated relays can be removed.

SYSTEMS CONTROLLED BY IPDM E/R

Lamp control

Using CAN communication lines, it receives signals from the BCM and controls the following lamps:

- Headlamps (High, Low)
- Parking lamps
- Tail and license plate lamps
- Cornering lamps
- Front fog lamps
- 2. Wiper control

Using CAN communication lines, it receives signals from the BCM and controls the front wipers.

- 3. Rear window defogger relay control
 - Using CAN communication lines, it receives signals from the BCM and controls the rear window defogger relay.
- 4. A/C compressor control
 - Using CAN communication lines, it receives signals from the ECM and controls the A/C compressor (magnet clutch).
- 5. Starter control
 - Using CAN communication lines, it receives signals from the BCM and controls the starter relay.
- Cooling fan control
 - Using CAN communication lines, it receives signals from the ECM and controls the cooling fan relays.
- 7. Horn control
 - Using CAN communication lines, it receives signals from the BCM and controls the horn relay.

CAN COMMUNICATION LINE CONTROL

With CAN communication, by connecting each control unit using two communication lines (CAN L-line, CAN H-line), it is possible to transmit a maximum amount of information with minimum wiring. Each control unit can transmit and receive data, and reads necessary information only.

- 1. Fail-safe control
 - When CAN communication with other control units is impossible, IPDM E/R performs fail-safe control. After CAN communication returns to normal operation, it also returns to normal control.
 - Operation of control parts by IPDM E/R during fail-safe mode is as follows:

Controlled system	Fail-safe mode
Headlamp	With the ignition switch ON, the headlamp (low relay) is ON. With the ignition switch OFF the leadlamp (low relay) is ON.
	With the ignition switch OFF, the headlamp (low relay) is OFF.
Tail, license plate and parking lamps	With the ignition switch ON, the tail lamp relay is ON. With the ignition switch OFF the trill of the control of the
	With the ignition switch OFF, the tail lamp relay is OFF.
Cooling fan	 With the ignition switch ON, the cooling fan HI relay is ON. With the ignition switch OFF, the cooling fan relays are OFF.
Front wiper	Until the ignition switch is turned off, the front wiper relays remain in the same status they were in just before fail–safe control was initiated.
Rear window defogger	Rear window defogger relay OFF

Controlled system	Fail-safe mode
A/C compressor	A/C relay is OFF
Front fog lamps	Front fog lamp relay OFF

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IPDM E/R STATUS CONTROL

In order to save power, IPDM E/R switches status by itself based on each operating condition.

- 1. CAN communication status
 - CAN communication is normally performed with other control units.
 - Individual unit control by IPDM E/R is normally performed.
 - When sleep request signal is received from BCM, mode is switched to sleep waiting status.
- 2. Sleep waiting status
 - Process to stop CAN communication is activated.
 - All systems controlled by IPDM E/R are stopped. When 1 second has elapsed after CAN communication with other control units is stopped, mode switches to sleep status.
- 3. Sleep status
 - IPDM E/R operates in low current-consumption mode.
 - CAN communication is stopped.
 - When a change in CAN communication signal is detected, mode switches to CAN communication status.
 - When a change in ignition switch signal is detected, mode switches to CAN communication status.

CAN Communication System Description

EKS00FOS

Refer to LAN-4, "SYSTEM DESCRIPTION" .

Function of Detecting Ignition Relay Malfunction

EKS00F0

- When the integrated ignition relay is stuck in a "closed contact" position and cannot be turned OFF, IPDM E/R turns ON tail and parking lamps for 10 minutes to indicate IPDM E/R malfunction.
- When the state of the integrated ignition relay does not agree with the state of the ignition switch signal received via CAN communication, the IPDM E/R activates the tail lamp relay.

Ignition switch signal	Ignition relay status	Tail lamp relay
ON	ON	_
OFF	OFF	_
ON	OFF	_
OFF	ON	ON (10 minutes)

NOTE:

When the ignition switch is turned ON, the tail lamps are OFF.

CONSULT-II Function (IPDM E/R)

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

IPDM E/R diagnostic Mode	Description
SELF-DIAG RESULTS	Displays IPDM E/R self-diagnosis results.
DATA MONITOR	Displays IPDM E/R input/output data in real time.
CAN DIAG SUPPORT MNTR	The result of transmit/receive diagnosis of CAN communication can be read.
ACTIVE TEST	Operation of electrical loads can be checked by sending drive signal to them.

CONSULT-II START PROCEDURE

Refer to GI-37, "CONSULT-II Start Procedure".

SELF-DIAGNOSTIC RESULTS

Operation Procedure

- 1. Touch "SELF-DIAG RESULTS" on "SELECT DIAG MODE" screen.
- Self-diagnosis results are displayed.

Display Item List

Display items	CONSULT-II Molfunction		TII	ME	Possible causes
Display items	display code	Malfunction detection		PAST	
NO DTC IS DETECTED. FUR- THER TESTING MAY BE REQUIRED.	_	_	_	_	_
CAN COMM CIRC	U1000	 If CAN communication reception/transmission data has a malfunction, or if any of the control units fail, data reception/transmission cannot be confirmed. When the data in CAN communication is not received before the specified time. 	х	x	Any of items listed below have errors: TRANSMIT DIAG ECM BCM/SEC

NOTE:

The details for display of the period are as follows:

- CRNT: Error currently detected with IPDM E/R.
- PAST: Error detected in the past and placed in IPDM E/R memory.

DATA MONITOR

Operation Procedure

- Touch "DATA MONITOR" on "SELECT DIAG MODE" screen.
- Touch "ALL SIGNALS", "MAIN SIGNALS" or "SELECTION FROM MENU" on the "DATA MONITOR" screen.

ALL SIGNALS	All signals will be monitored.
MAIN SIGNALS	Monitors the predetermined item(s).
SELECTION FROM MENU	Selects and monitors individual signal(s).

- 3. Touch "START".
- 4. When "SELECTION FROM MENU" is selected, touch items to be monitored. When "ALL SIGNALS" is selected, all the items will be monitored. When "MAIN SIGNALS" is selected, predetermined items are monitored.
- 5. Touch "RECORD" while monitoring to record the status of the item being monitored. To stop recording, touch "STOP".

All Signals, Main Signals, Selection From Menu

	CONSULT-II Monitor item selection					
Item name	screen display	Display or unit	ALL SIGNALS	MAIN SIGNALS	SELECTION FROM MENU	Description
Motor fan request	MOTOR FAN REQ	1/2/3/4	Х	Х	Х	Signal status input from ECM
Compressor request	AC COMP REQ	ON/OFF	Х	Х	Х	Signal status input from ECM
Parking, license, and tail lamp request	TAIL & CLR REQ	ON/OFF	Х	Х	Х	Signal status input from BCM
Headlamp low beam request	HL LO REQ	ON/OFF	Х	Х	Х	Signal status input from BCM
Headlamp high beam request	HL HI REQ	ON/OFF	Х	Х	Х	Signal status input from BCM
Front fog request	FR FOG REQ	ON/OFF	Х	Х	Х	Signal status input from BCM
FR wiper request	FR WIP REQ	STOP/1LO/LO/HI	Х	Х	Х	Signal status input from BCM
Wiper auto stop	WIP AUTO STOP	ACT P/STOP P	Х	Х	Х	Output status of IPDM E/R
Wiper protection	WIP PROT	OFF/LS/HS/Block	Х	Х	Х	Control status of IPDM E/R
Starter request	ST RLY REQ	ON/OFF	Х		Х	Status of input signal NOTE
Ignition relay status	IGN RLY	ON/OFF	Х	Х	Х	Ignition relay status monitored with IPDM E/R
Rear defogger request	RR DEF REQ	ON/OFF	Х	Х	Х	Signal status input from BCM
Oil pressure switch	OIL P SW	OPEN/CLOSE	Х		х	Signal status input from IPDM E/R
Hood switch	HOOD SW (*1)	OFF	Х		Х	Signal status input from IPDM E/R
Theft warning horn request	THFT HRN REQ (*1)	ON/OFF	Х		Х	Signal status input from BCM
Horn chirp	HORN CHIRP	ON/OFF	Х		X	Output status of IPDM E/R
Cornering lamp request	CRNRNG LMP REQ	OFF/LEFT/RIGHT	Х		Х	Signal status input from BCM

NOTE

- Perform monitoring of IPDM E/R data with the ignition switch ON. When the ignition switch is in ACC position, display may not be correct.
- (*1) This item is displayed, but does not function.

CAN DIAG SUPPORT MNTR

Refer to LAN-4, "SYSTEM DESCRIPTION" .

ACTIVE TEST

Operation Procedure

- 1. Touch "ACTIVE TEST" on "SELECT DIAG-MODE" screen.
- 2. Touch item to be tested, and check operation.
- 3. Touch "START".
- 4. Touch "STOP" while testing to stop the operation.

Test name	CONSULT-II screen display	Description
Tail lamp output	TAIL LAMP	With a certain ON-OFF operation, the tail lamp relay can be operated.
Rear defogger output	REAR DEFOGGER	With a certain ON-OFF operation, the rear defogger relay can be operated.

Test name	CONSULT-II screen display	Description
Front wiper (HI, LO) output	FRONT WIPER	With a certain operation (OFF, HI ON, LO ON), the front wiper relay (Lo, Hi) can be operated.
Cooling fan output	MOTOR FAN	With a certain operation (1, 2, 3, 4), the cooling fan can be operated.
Lamp (HI, LO, FOG) output	LAMPS	With a certain operation (OFF, HI ON, LO ON, FOG ON), the lamp relay (Lo, Hi, Fog) can be operated.
Cornering lamp output	CORNERING LAMP	_
Horn output	HORN	With a certain ON-OFF operation, the horn relay can be operated.

Auto Active Test DESCRIPTION

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- In auto active test mode, operation inspection can be performed when IPDM E/R sends a drive signal to the following systems:
- Rear window defogger
- Front wipers
- Tail, license and parking lamps
- Cornering lamps
- Front fog lamps
- Headlamps (High, Low)
- A/C compressor (magnet clutch)
- Cooling fan

OPERATION PROCEDURE

Close hood and front door RH, and lift wiper arms away from windshield (to prevent glass damage by wiper operation).

NOTE:

When auto active test is performed with hood opened, sprinkle water on windshield beforehand.

- 2. Turn ignition switch OFF.
- 3. Turn ignition switch ON and, within 20 seconds, press front door switch LH 10 times. Then turn ignition switch OFF.
- 4. Turn ignition switch ON within 10 seconds after ignition switch OFF.
- 5. When auto active test mode is actuated, horn chirps once.
- After a series of operations is repeated three times, auto active test is completed.

NOTE:

When auto active test mode has to be cancelled halfway, turn ignition switch OFF.

CAUTION:

Be sure to perform BL-41, "Door Switch Check (With Automatic Back Door System)" or BL-39, "Door Switch Check (Without Automatic Back Door System)" when the auto active test cannot be performed.

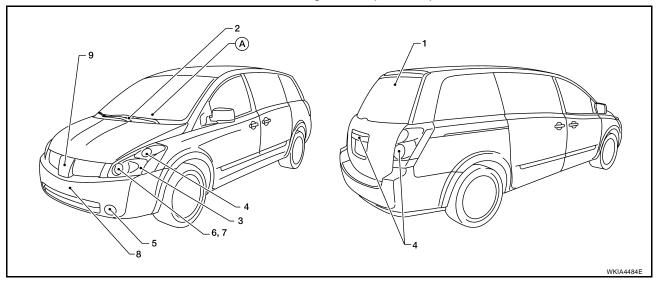
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INSPECTION IN AUTO ACTIVE TEST MODE

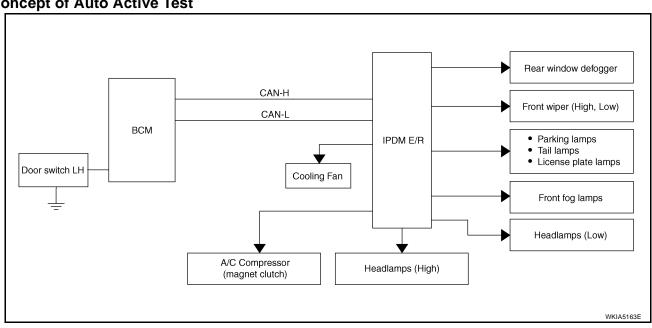
When auto active test mode is actuated, the following nine steps are repeated three times.



(A): Oil pressure warning lamp is blinking when the auto active test is operating.

Item Number	Test Item	Operation Time/Frequency
1	Rear window defogger	10 seconds
2	Front wipers	LOW 5 seconds then HIGH 5 seconds
3	Cornering lamps	10 seconds
4	Tail, license, and parking lamps	10 seconds
5	Front fog lamps	10 seconds
6	Headlamps (low)	10 seconds
7	Headlamps (high)	ON-OFF 5 times
8	A/C compressor (magnetic clutch)	ON-OFF 5 times
9	Cooling fan	LOW 2 seconds \rightarrow MID 2 seconds \rightarrow HIGH 2 seconds \rightarrow MID 2 seconds \rightarrow LOW 2 seconds

Concept of Auto Active Test



- IPDM E/R actuates auto active test mode when it receives door switch signal from BCM via CAN communication line. Therefore, when auto active test mode is activated successfully, CAN communication between IPDM E/R and BCM is normal.
- If any of the systems controlled by IPDM E/R cannot be operated, possible cause can be easily diagnosed using auto active test.

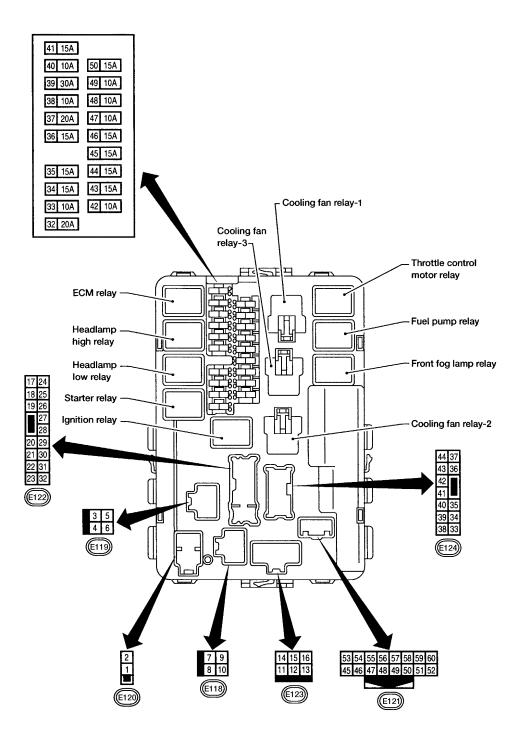
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Diagnosis chart in auto active test mode

Symptom	Inspection conte	ents	Possible cause	•
		YES	BCM signal input circuit	С
	Perform auto active		Rear window defogger relay	-
Rear window defogger	test. Does rear win-		Open circuit of rear window defogger	_
does not operate.	dow defogger operate?	NO	IPDM E/R malfunction	D
	ale?		Harness or connector malfunction between IPDM E/R and rear window defogger	_
Any of front wipers, tail		YES	BCM signal input system	
and parking lamps, front	Donform outs outing		Lamp/wiper motor malfunction	-
fog lamps, cornering	Perform auto active test. Does system in		Lamp/wiper motor ground circuit malfunction	F
lamps, and headlamps (High, Low) do not oper-	question operate?	NO	Harness/connector malfunction between IPDM E/R and system in question	
ate.			IPDM E/R (integrated relay) malfunction	G
			BCM signal input circuit	G
	Perform auto active test. Does magnet clutch operate?	YES	CAN communication signal between BCM and ECM.	
A/C compressor does			CAN communication signal between ECM and IPDM E/R	Н
not operate.			Magnet clutch malfunction	
		NO	Harness/connector malfunction between IPDM E/R and magnet clutch	
			IPDM E/R (integrated relay) malfunction	
		\/F0	ECM signal input circuit	-
		YES	CAN communication signal between ECM and IPDM E/R	
Cooling fan does not	Perform auto active test. Does cooling fan		Cooling fan motor malfunction	J
operate.	operate?	NO	Harness/connector malfunction between IPDM E/R and cooling fan motor	
			IPDM E/R (integrated relay) malfunction	PG
			Harness/connector malfunction between IPDM E/R and oil pressure switch	
Oil pressure warning	Perform auto active test. Does oil pres-	YES	Oil pressure switch malfunction	L
lamp does not operate.	sure warning lamp		• IPDM E/R	
	blink?	NO	CAN communication signal between BCM and Combination Meter	
		INO	Combination meter	M

IPDM E/R Terminal Arrangement

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To week = -1	Wire	Ciamal	Signal		Measuring condition	Reference value											
Terminal	color	Signal name	input/ output	Ignition switch	Operation or condition	(Approx.)											
1	R	Battery power supply	Input	OFF	_	Battery voltage											
2	B/Y	Battery power supply	Input	OFF	_	Battery voltage											
3	B/W	Starter motor	Output	START	_	Battery voltage											
	D/D				OFF or ACC or ON	0V											
4	B/R	Ignition switch	Input	_	START	Battery voltage											
5	W	Rear window defog- ger	Output	_	_	Battery voltage											
6	L	Battery power supply (Rear window defogger)	Output	_	_	Battery voltage											
7	B/W	Ignition switch sup-	lnn: 4		OFF or ACC	0V											
7	Ď/VV	plied power	Input	_	ON or START	Battery voltage											
8	1	Cooling fan motor low	loout		Ignition switch ON or START, with engine coolant temperature above 100 °C (212 °F) or with air conditioner switch :	0V											
0	8 L 1 Input		Ignition switch OFF or ACC, with engine coolant tempera- ture below 100 °C (212 °F) or with air conditioner switch : OFF	Battery voltage													
40	I /D	Cooling fan motor	Outract		Ignition switch ON or START, with engine coolant tempera- ture 105 °C (221 °F) or higher with air conditioner switch : ON	Battery voltage											
10	L/B	high 2		Guipui	Output	Output	Output	Output	Output	Output	Output	Output	Output	Itput —	put —	Ignition switch ON or START, with engine coolant temperature between 95 °C (203 °F) and 99 °C (210 °F) or with air conditioner switch: OFF	Less than battery voltage
					Ignition switch ON or START, with engine coolant tempera- ture 105 °C (221 °F) or higher with air conditioner switch : ON	0V											
11	R	Cooling fan motor high 1	Input	_	Ignition switch OFF or ACC, with engine coolant tempera- ture 94 °C (201 °F) or less or with air conditioner switch : OFF	Battery voltage											
					Ignition switch ON or START, with engine coolant temperature between 95 °C (203 °F) and 99 °C (210 °F) or with air conditioner switch: OFF	Less than battery voltage											

	Wire		Signal		Measuring cond	dition	Reference value
Terminal	color	Signal name	input/ output	Ignition switch	Operation o	or condition	(Approx.)
					Ignition switch with engine cod ture between 9 and 99 °C (210 conditioner swi	olant tempera- 5 °C (203 °F) 0 °F) or with air	Less than battery voltage
12	R	Cooling fan motor ground 2	Input	_	Ignition switch or with engine perature below or with engine perature above but below 105 with air condition	coolant tem- 95 °C (203 °F) coolant tem- 99 °C (210 °F) °C (221 °F) or	Battery voltage
					Ignition switch with engine cod ture 105 °C (22 with air condition	olant tempera- 21 °F) or higher	0V
42	DW	Cooling fan motor low	Output		Ignition switch with engine coo ture above 100 with air condition	olant tempera- °C (212 °F) or	Battery voltage
13	13 R/Y Cooling la	_	Output	Output —	Ignition switch OFF or ACC, with engine coolant tempera- ture below 100 °C (212 °F) or with air conditioner switch : OFF		0V
		Cooling fan motor			Ignition switch ON or START, with engine coolant temperature between 95 °C (203 °F) and 99 °C (210 °F) or with air conditioner switch: OFF		Less than battery voltage
14	L/B	ground	- Ulitolit —		Ignition switch ON or START, with engine coolant temperature 105 °C (221 °F) or higher with air conditioner switch :		ov
15	G	Battery power supply	Input	_	_		Battery voltage
16	В	Ground	Input	_	_		0V
17	R	ECM Relay	Output	_	Ignition switch	ON or START	Battery voltage
18	R/G	ECM relay	Output		Ignition switch	ON or START	Battery voltage
.0	, 0	·	Catput		Ignition switch	OFF or ACC	0V
20	R/Y	RH Low beam head- lamp	Output	_	Lighting switch	in 2nd position	Battery voltage
21	L	Wiper low speed sig-	Output	ON or	Wiper switch	OFF	0V
	_	nal	Carput	START		LO	Battery voltage
22	R/L	Rear parking, license	Output	_	Lighting switch 1ST	OFF	0V
44	N/L	plate, and tail lamp	Output	-	position	ON	Battery voltage
23	W/L	RH Cornering lamp	Output	_	Lighting switch and turn signal RIGHT position	switch in the	Battery voltage

			Signal		Measuring cond	dition	
Terminal	Wire color	Signal name	input/ output	Ignition switch		or condition	Reference value (Approx.)
24	G	Ignition 1	Output		Ignition switch	ON or START	Battery voltage
24	G	Igrillion i	Output	_	Ignition switch	OFF or ACC	0V
25	Р	Ignition 1	Output		Ignition switch	ON or START	Battery voltage
25	F	Igriidori i	Output	_	Ignition switch	OFF or ACC	0V
26	Р	Ignition 1	Output	_	Ignition switch	ON or START	Battery voltage
	'	Igrillion 1	Output		Ignition switch	OFF or ACC	OV
27	L/W	RH High beam head- lamp	Output	_	Lighting switch and placed in I position	in 2nd position HIGH or PASS	Battery voltage
28	G	LH High beam head- lamp	Output	_	Lighting switch and placed in I position	in 2nd position HIGH or PASS	Battery voltage
30	L	LH Low beam head- lamp	Output	_	Lighting switch	in 2nd position	Battery voltage
31	L/B	Wiper high speed sig-	Output	ON or	Wiper switch	OFF	OV
		nal	Output	START	wiper switch	HI	Battery voltage
32	L/Y	Wiper auto stop signal	Input	ON or	Wipers not in p	oark position	Battery voltage
		Tripor date step signal		START	Wipers in park	-	0V
33	Y/B	A/C compressor	Output	ON or	A/C switch or a request ON	auto A/C	Battery voltage
	170	7 v o compressor	Output	START	A/C switch or a request OFF		0V
34	WG	LH Cornering lamp	Output	_	Lighting switch ON or AUTO and turn signal switch in the LEFT position		Battery voltage
					Lighting	OFF	0V
36	W/G	Front fog lamp (RH)	Output	ON or START	switch must be in the 2ND position or AUTO posi- tion (LOW beam is ON) and the front fog lamp switch	ON	Battery voltage
					Lighting	OFF	OV
37	W/R	Front fog lamp (LH)	Output	ON or START	switch must be in the 2ND position or AUTO posi- tion (LOW beam is ON) and the front fog lamp switch	ON	Battery voltage
38	В	Ground	Input	_	_	_	0V
20	DA.	Fuel numm	O: 14m : 14		Ignition switch	ON or START	Battery voltage
39	B/Y	Fuel pump	Output	_	Ignition switch	OFF or ACC	OV
40	B/O	Fuel pump relay control	Input	_	Ignition switch		0V Battery voltage
41	G	Battery power supply	Output	_		_	Battery voltage
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	\//:=a		Signal		Measuring condition	Deference value
Terminal	Wire color	Signal name	input/ output	Ignition switch	Operation or condition	Reference value (Approx.)
42	R	Throttle control motor	Output		Ignition switch ON or START	Battery voltage
42	K	relay	Output	_	Ignition switch OFF or ACC	0V
43	GR	Ignition 1	Output		Ignition switch ON or START	Battery voltage
40	GIX	I Igriidori i	Output	_	Ignition switch OFF or ACC	0V
44	Y/R	Ignition 1	Output		Ignition switch ON or START	Battery voltage
44	1/K	ignition i	Output	_	Ignition switch OFF or ACC	0V
46	W/B	ECM relay control	Innut		Ignition switch ON or START	0V
40	VV/D	ECIVITEIAY CONTION	Input	_	Ignition switch OFF or ACC	Battery voltage
47	0	Throttle control motor	Input		Ignition switch ON or START	0V
41	O	relay control	IIIput	_	Ignition switch OFF or ACC	Battery voltage
48	L	CAN-H	_	ON	_	_
49	Р	CAN-L	_	ON	_	_
50	В	Ground	Input	_	_	0V
51	G/W	How relay control	lanut		Horn switch : PUSHED or when a door is locked or unlocked via the keyfob	0V
51	G/VV	Horn relay control	Input	_	Horn switch: RELEASED or with no door lock feature activated via the keyfob	Battery voltage
52	G/R	Rear window defog-	Input	ON or	Defogger Switch: ON	0V
52	G/K	ger relay control	IIIput	START	Defogger Switch: OFF	Battery voltage
		Starter relay (inhibit		ON or	Selector lever in "P" or "N"	Battery voltage
53	G/R	switch)	Input	START	Selector lever any other position	0V
57	P/L	Oil pressure switch	Input	ON or START	_	Battery voltage
60	В	Ground	Input	_	_	0V

IPDM E/R Power/Ground Circuit Inspection

1. FUSE AND FUSIBLE LINK INSPECTION

Check that the following fusible links or IPDM E/R fuses are not blown.

Terminal No.	Signal name	Fuse, fusible link No.
1, 2	Battery power	c, d

OK or NG

OK >> GO TO 2.

NG >> Replace fuse or fusible link.

2. POWER CIRCUIT INSPECTION

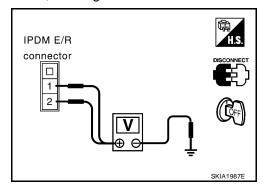
- 1. Turn ignition switch OFF.
- 2. Disconnect IPDM E/R harness connector E120.
- 3. Check voltage between IPDM E/R harness connector E120 terminals 1, 2 and ground.

Battery voltage should exist.

OK or NG

OK >> GO TO 3.

NG >> Repair or replace IPDM E/R power circuit harness.



3. GROUND CIRCUIT INSPECTION

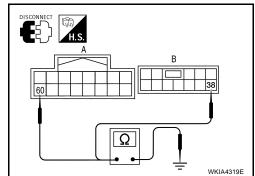
- 1. Disconnect IPDM E/R harness connectors E121 and E124.
- 2. Check continuity between IPDM E/R harness connector E121(A) terminal 60, E124(B) terminal 38 and ground.

Continuity should exist.

OK or NG

OK >> Inspection End.

NG >> Repair or replace IPDM E/R ground circuit harness.



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Inspection with CONSULT-II (Self-Diagnosis)

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CAUTION

If a CONSULT-II is used with no connection of CONSULT-II CONVERTER, malfunctions might be detected in self-diagnosis depending on which control unit(s) carry out CAN communication.

1. SELF-DIAGNOSIS RESULT CHECK

- 1. Connect CONSULT-II and select "IPDM E/R" on the "SELECT SYSTEM" screen.
- 2. Select "SELF-DIAG RESULTS" on the "SELECT DIAG MODE" screen.
- Check display content in self-diagnosis results.

CONSULT-II Display	CONSULT-II	TIME		Details of diagnosis result
CONSOLT-II DISPIAY	display code	CRNT	PAST	Details of diagnosis result
NO DTC IS DETECTED. FURTHER TESTING MAY BE REQUIRED.	_	_	_	No malfunction
CAN COMM CIRC	U1000	х	х	Any of items listed below have errors: TRANSMIT DIAG ECM BCM/SEC

NOTE:

The Details for Display for the Period are as follows:

- CRNT: Error currently detected by IPDM E/R.
- PAST: Error detected in the past and stored in IPDM E/R memory.

Contents displayed

NO DTC DETECTED. FURTHER TESTING MAY BE REQUIRED.>>INSPECTION END. CAN COMM CIRC>>Print out the self-diagnosis result and refer to LAN-4, "SYSTEM DESCRIPTION".

Removal and Installation of IPDM E/R REMOVAL

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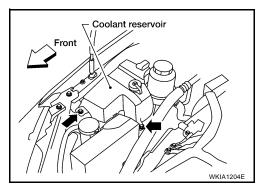
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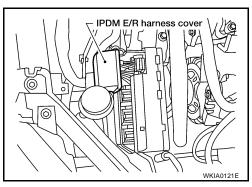
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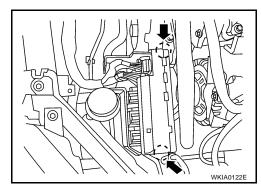
- 1. Disconnect negative battery cable.
- 2. Remove coolant reservoir fasteners.
- 3. Move coolant reservoir aside.
- 4. Remove IPDM E/R upper cover.



5. Remove IPDM E/R harness cover.



- 6. Release 2 clips and pull IPDM E/R up from case.
- 7. Disconnect IPDM E/R connectors and remove the IPDM E/R.



INSTALLATION

Installation is in the reverse order of removal.

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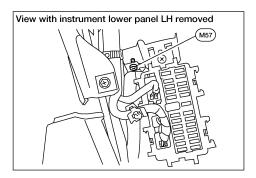
GROUND CIRCUIT

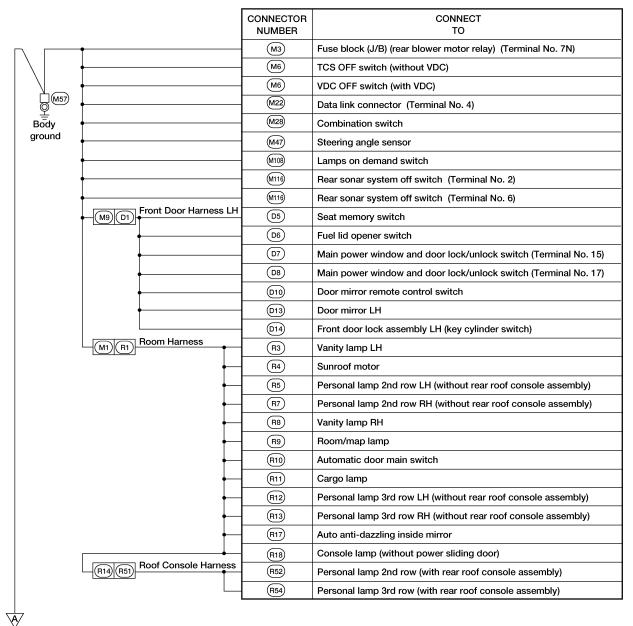
GROUND CIRCUIT PFP:24080

Ground Distribution MAIN HARNESS

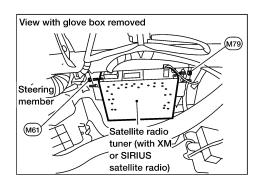
Next page







GROUND CIRCUIT



Preceding page	CONNECTOR NUMBER	CONNECT TO
	M14)	Pedal adjusting control unit (Terminal No. 1)
	M20	BCM (body control module) (Terminal No. 67)
	M21)	NATS antenna amplifier
(M61)	(M22)	Data link connector (Terminal No. 5)
Body ground	(M31)	Passenger air bag off indicator
	M32	In-vehicle sensor
-	(M34)	A/T device (Terminal No. 6)
-	M35	Air bag diagnosis sensor unit (Terminal No. 2)
	M42	Automatic drive positioner control unit (Terminal No. 48)
	M49	Front air control (Terminal No. 36)
	(M55)	Hazard switch
	M56	Front power socket LH
	M59	Glove box lamp
	M122	Variable blower control (Terminal No. 4)
	M154)	DVD player
M2 R2	R19	Rear air control (front)

		CONNECTOR NUMBER	CONNECT TO
		M7)	Door mirror remote control switch (with automatic drive positioner)
		M24)	Combination meter (Terminal No. 20)
		(M24)	Combination meter (Terminal No. 21)
Body ground		(M33)	Front power socket RH
Body ground		(M42)	Automatic drive positioner control unit (Terminal No. 40)
		M93	Display unit (Terminal No. 6) (with monochrome display)
		M93	Display unit (Terminal No. 1) (with color display)
		M94)	Display control unit (Terminal No. 3) (with color display)
		(M98)	AV switch
	Front door	(M113)	BOSE [®] speaker amp.
	M75 D101 harness RH	(D105)	Power window and door lock/unlock switch RH
		(D113)	Door mirror RH

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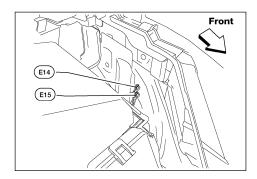
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GROUND CIRCUIT

ENGINE ROOM HARNESS



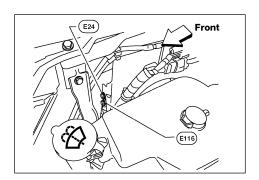
CONNECTOR NUMBER	CONNECT TO
E4	Crash zone sensor (shield wire)



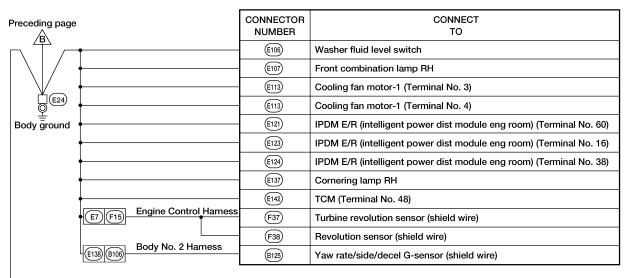
Next page

	CONNECTOR NUMBER	CONNECT TO
_	E11)	Front combination lamp LH
\ \	E12	Front combination lamp RH (headlamp low)
_ +	E13	Front combination lamp RH (headlamp high)
E15	E21	Brake fluid level switch
Body ground	E23	Front wiper motor
—	E43	Cornering lamp LH
+	E44)	Front combination lamp LH (headlamp low)
+	E45	Front combination lamp LH (headlamp high) (without DTRL)
<u> </u>	E101)	Front fog lamp RH
<u> </u>	E102	Front fog lamp LH
<u> </u>	E103	Daytime light control unit (Terminal No. 9)
<u> </u>	E127)	Heater pump
<u> </u>	E148)	Daytime light relay
L	H-2	Front blower motor relay

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Body ground



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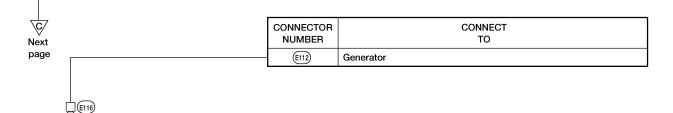
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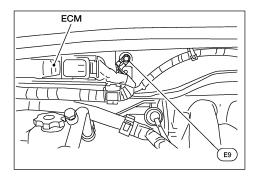
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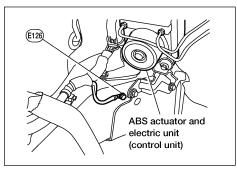
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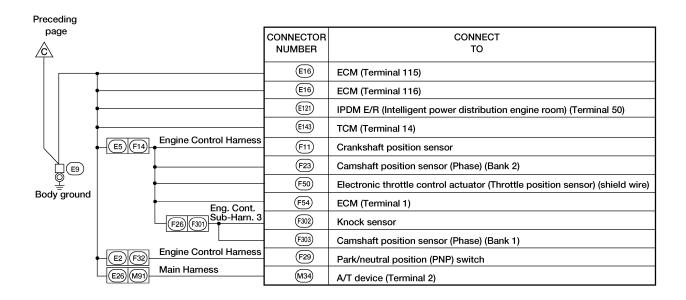
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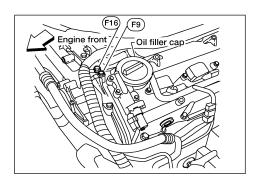
		CONNECTOR NUMBER	CONNECT TO				
		(E125)	ABS actuator and electric unit (control unit) (without VDC) (Terminal No. 3)				
E126		E125	ABS actuator and electric unit (control unit) (without VDC) (Terminal No. 4)				
<u></u>		E125	ABS actuator and electric unit (control unit) (with VDC) (Terminal No. 31)				
Body ground		E125	ABS actuator and electric unit (control unit) (with VDC) (Terminal No. 46)				

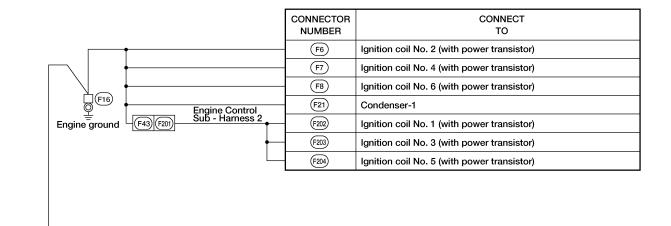
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ENGINE CONTROL HARNESS

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Engine ground





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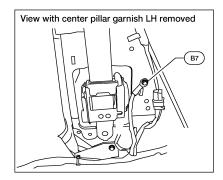
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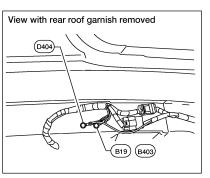
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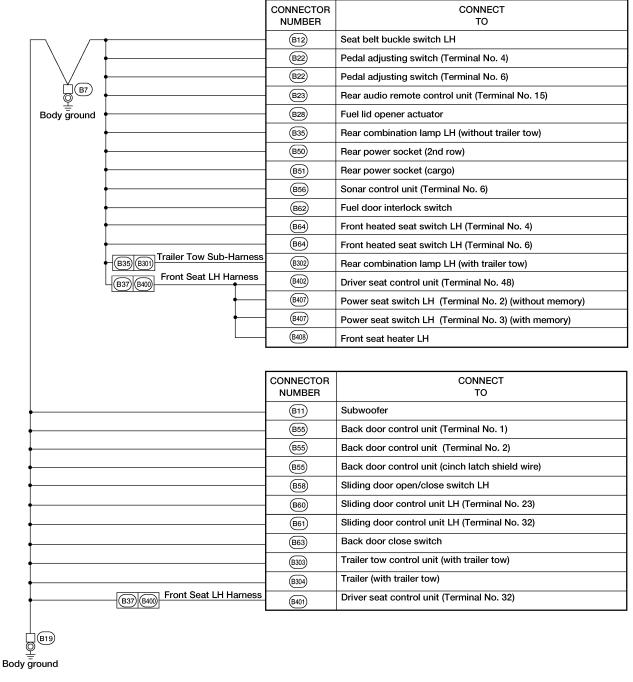
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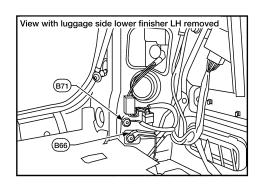
BODY HARNESS



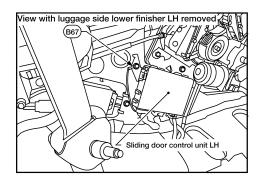


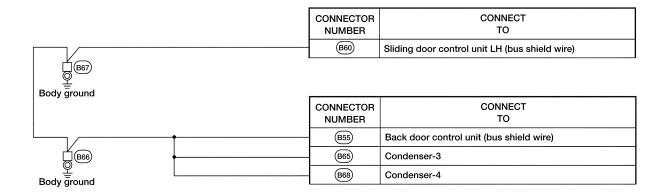


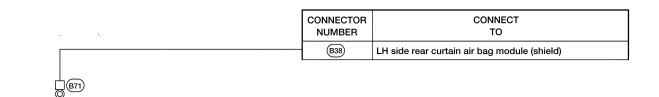
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Body ground







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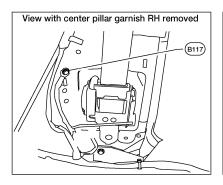
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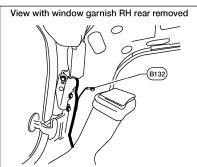
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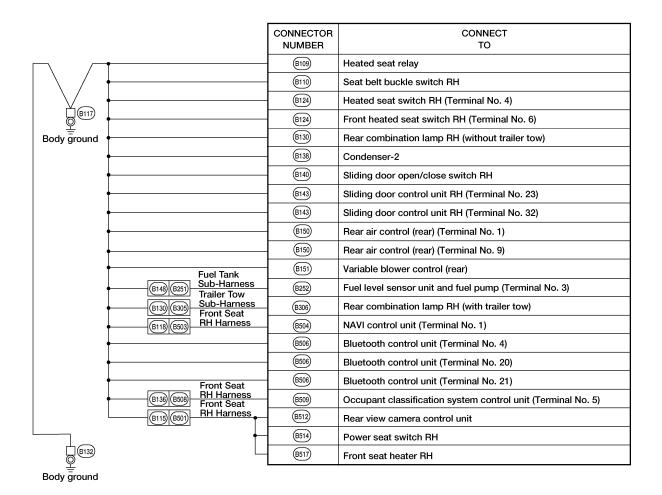
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BODY NO. 2 HARNESS



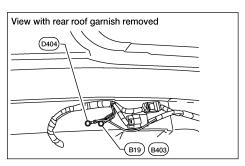




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BACK DOOR NO. 2 HARNESS

D404)



	(B19) (B403)		
		CONNECTOR NUMBER	CONNECT TO
	D406 D502 Back Door Harness	(D503)	High mounted stop lamp
	-	(D507)	Rear wiper motor (Terminal No. E)
	 	(D507)	Rear wiper motor (Terminal No. G)
© (D403)	 	(D508)	License plate lamp RH
Body ground	-	D509	License plate lamp LH
	<u> </u>	(D510)	Back door handle switch
	 	(D511)	Back door latch
		(D512)	Back door switch
		(D518)	Rear view camera
		CONNECTOR NUMBER	CONNECT TO
ļ	D405) (D501) Back Door Harness	(D511)	Back door latch (cinch latch motor shield)

Rear window defogger

(D515)

Back Door Harness

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HARNESS PFP:24010

Harness Layout HOW TO READ HARNESS LAYOUT

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The following Harness Layouts use a map style grid to help locate connectors on the drawings:

- Main Harness and Air Conditioner Control Sub-harness
- Engine Room Harness (RH View) Engine Compartment
- Engine Room Harness (Passenger Compartment)
- Engine Room Harness (LH View) Engine Compartment
- Engine Control Harness, Engine Control Sub-harness-1, Engine Control Sub-harness-2 and Engine Control Sub-harness-3
- Body Harness, Rear Sonar Sensor Sub-harness and Trailer Tow Sub-harness
- Body No. 2 Harness and Fuel Tank Sub-harness
- Room Lamp Harness and Overhead Console harness
- Back Door Harness and Back Door No. 2 Harness

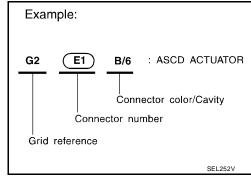
To use the grid reference

- 1. Find the desired connector number on the connector list.
- 2. Find the grid reference.
- 3. On the drawing, find the crossing of the grid reference letter column and number row.
- 4. Find the connector number in the crossing zone.
- 5. Follow the line (if used) to the connector.

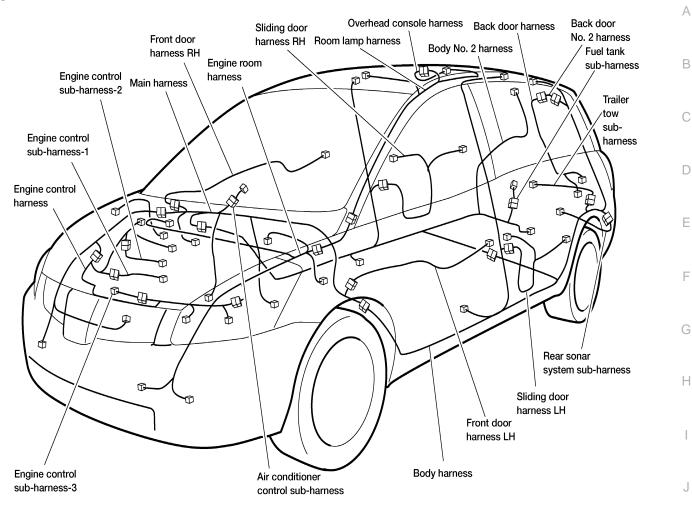
CONNECTOR SYMBOL

Main symbols of connector (in Harness Layout) are indicated below.

Connector type	Water pro	oof type	Standard type			
Connector type	Male	Female	Male	Female		
Cavity: 4 or Less Relay connector	ॐ	60	Ø			
Cavity: From 5 to 8			③			
• Cavity: 9 or More		\Diamond				
Ground terminal etc.	_	-	6	P		



OUTLINE



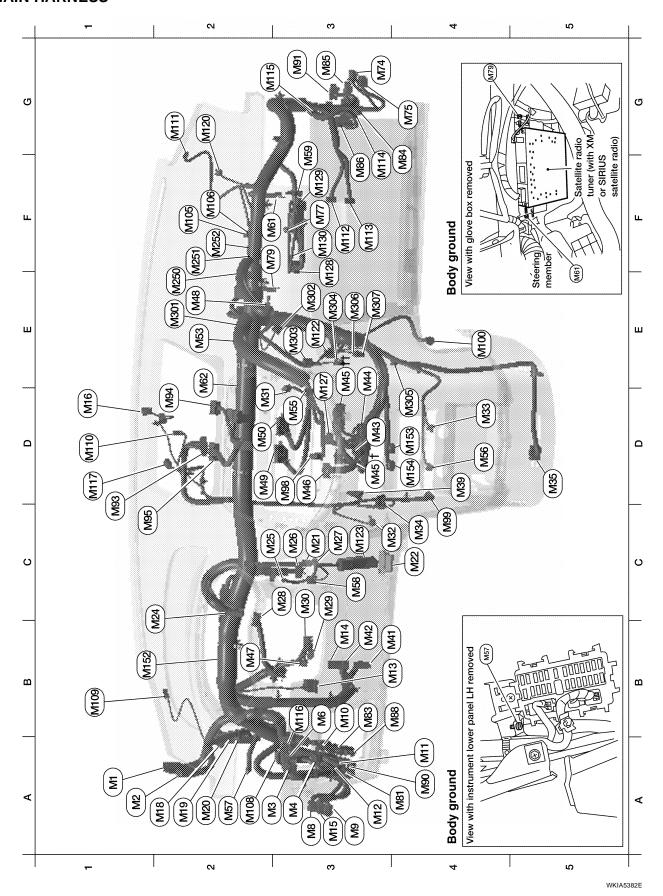
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MAIN HARNESS



A1	M1	W/16	: To R1	E2	M53	W/16	: To M301
A1	M2	W/32	: To R2	D3	M55	W/4	: Hazard switch
A2	M3	W/8	: Fuse block (J/B)	D4	M56	B/3	: Front power socket LH
_A3	M4	W/16	: Fuse block (J/B)	A2	M57	_	: Body ground
B3	M6	GR/6	: TCS OFF switch (without VDC)	C3	M58	B/6	: Intake door motor driver
В3	M6	GR/6	: VDC OFF switch (with VDC)	G3	M59	BR/2	: Glove box lamp
A3	M8	W/12	: To D2	F2	M61	_	: Body ground
_A3	M9	GR/12	: To D1	E2	M62	W/2	: Front blower motor
B3	M10	W/4	: To E29	G3	M74	W/16	: To D102
A4	M11	W/16	: To B1	G4	M75	W/8	: To D101
А3	M12	GR/24	: To B2	F3	M77	Y/4	: Front passenger air bag module (service replacement)
B4	M13	L/4	: Fuel lid opener relay	F2	M79	_	: Body ground
В3	M14	W/16	: Pedal adjusting control unit	A4	M81	W/16	: To B20
А3	M15	W/20	: To D15	В3	M83	W/12	: To E134
D1	M16	B/4	: Optical sensor	F4	M84	W/16	: To B101
A2	M18	W/40	: BCM (body control module)	G3	M85	BR/24	: To B102
A2	M19	W/15	: BCM (body control module)	F3	M86	BR/20	: To B103
A2	M20	B/15	: BCM (body control module)	B4	M88	Y/4	: To E42
C3	M21	W/4	: NATS antenna amp.	A4	M90	W/24	: To E25
C4	M22	W/16	: Data link connector	G3	M91	BR/16	: To E26
C2	M24	W/40	: Combination meter	C1	M93	W/24	: Display unit
C3	M25	W/2	: Ignition keyhole illumination	D2	M94	W/24	: Display control unit (with color display)
C3	M26	W/6	: Ignition switch	C1	M95	W/32	: Display control unit (with color display)
C3	M27	W/2	: Key switch	D2	M98	W/16	: AV switch
C3	M28	W/16	: Combination switch	C4	M99	BR/2	: Foot lamp LH
C4	M29	Y/6	: Combination switch (spiral cable)	E4	M100	BR/2	: Foot lamp RH
C3	M30	GR/8	: Combination switch (spiral cable)	F2	M105	Y/2	: Front passenger air bag module
D2	M31	W/3	: Passenger air bag OFF indicator	F2	M106	O/2	: Front passenger air bag module
C3	M32	W/4	: In-vehicle sensor	A2	M108	BR/6	: Lamps on demand switch
D4	M33	B/3	: Front power socket RH	B1	M109	BR/2	: Front tweeter LH
C4	M34	GR/8	: A/T device	D1	M110	BR/2	: Center speaker (with BOSE)
D5	M35	Y/28	: Air bag diagnosis sensor unit	G2	M111	BR/2	: Front tweeter RH
D4	M39	B/6	: Air mix door motor (driver)	F2	M112	B/24	: BOSE speaker amp.
B4	M41	W/32	: Automatic drive positioner control unit	F3	M113	GR/8	: BOSE speaker amp.
В3	M42	W/16	: Automatic drive positioner control unit	F3	M114	W/24	: To B104
D3	M43	W/10	: Audio unit	G2	M115	W/4	: To B105
E3	M44	W/6	: Audio unit	В3	M116	GR/8	: Rear sonar system OFF switch
D3	M45†	W/8	: Audio unit (with base audio system)	D1	M117	B/2	: Sonar buzzer
D3	M45† †	W/6	: Audio unit (except base audio system)	G2	M120	W/4	: Remote keyless entry receiver
D3	M46	W/20	: Audio unit	E3	M122	GR/4	: Variable blower control
B2	M47	W/8	: Steering angle sensor	C3	M123	W/2	: Tire pressure warning check connector
E2	M48	BR/2	: To M501	E3	M127	W/12	: Audio unit (with satellite radio tuner)
D2	M49	B/26	: Front air control	E3	M128	W/16	: Satellite radio tuner
E3	M50	L/24	: Front air control				

Revision: March 2006 PG-47 2007 Quest

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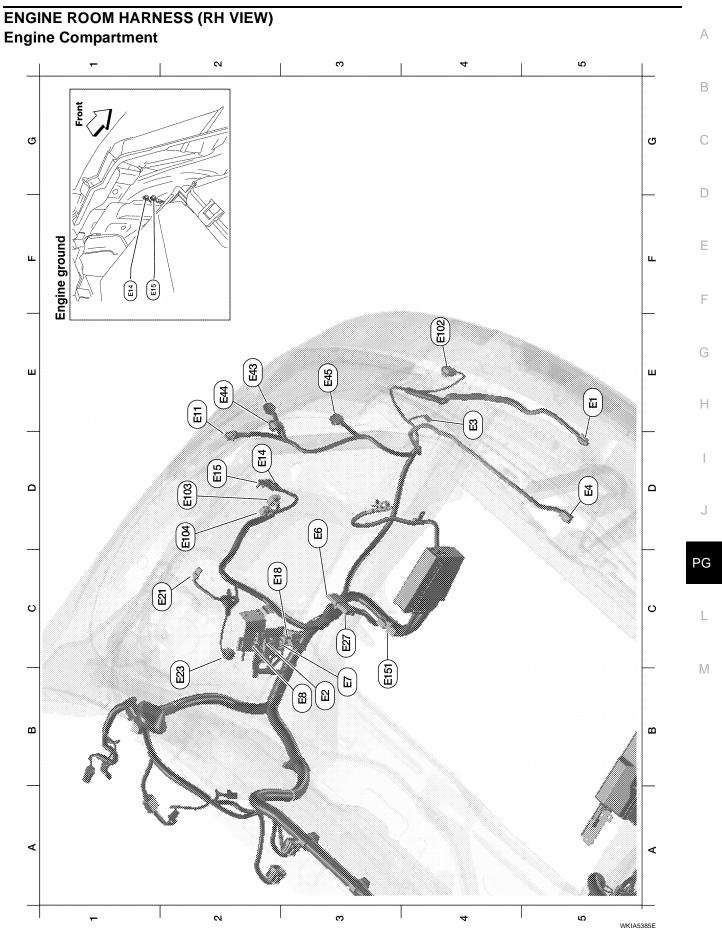
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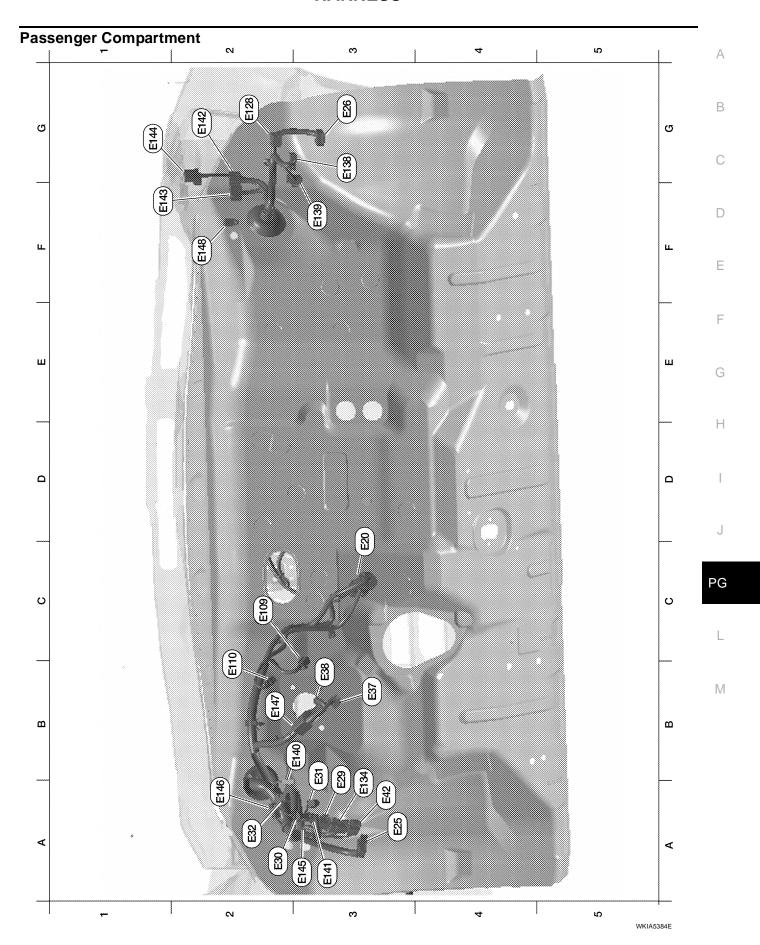
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F3	M129	BR/1	: Satellite radio tuner (with SIRIUS satellite radio tuner)			
F3	M129	V/1	: Satellite radio tuner (with XM satellite radio tuner)			
F3	M130	W/2	: To M250 (with pre-wiring for satellite radio tuner)			
B2	M152	B/2	: Resistor-1			
D4	M153	GR/16	: DVD player			
D4	M154	L/16	: DVD player			
Sate	ellite tun	er and pr	e-wiring			
E2	M250	W/2	: To M130 (with pre-wiring for satellite radio tuner)			
F2	M251	W/16	: Pre-wiring for satellite radio tuner			
F2	M252	W/12	: Audio unit (with pre-wiring for satellite radio tuner)			
Air	condition	ner contro	ol sub-harness			
E2	M301	W/16	: To M53			
E3	M302	B/6	: Intake door motor passenger			
E3	M303	B/6	: Defrost door motor			
E3	M304	B/6	: Mode door motor			
D4	M305	W/2	: Intake sensor			
E3	M306	B/6	: Air mix door motor (passenger)			
E3	M307	B/6	: Air mix door motor (front) (with MTC)			
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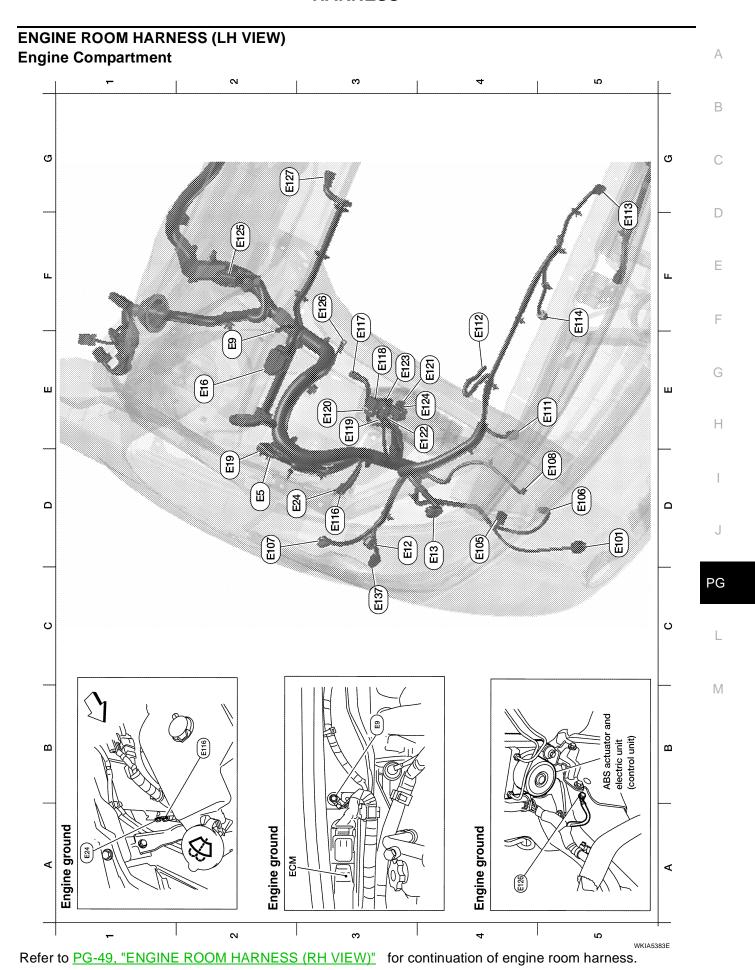


Refer to $\underline{\sf PG-53}$, $\underline{\sf "ENGINE\ ROOM\ HARNESS\ (LH\ VIEW)"}$ for continuation of engine room harness.

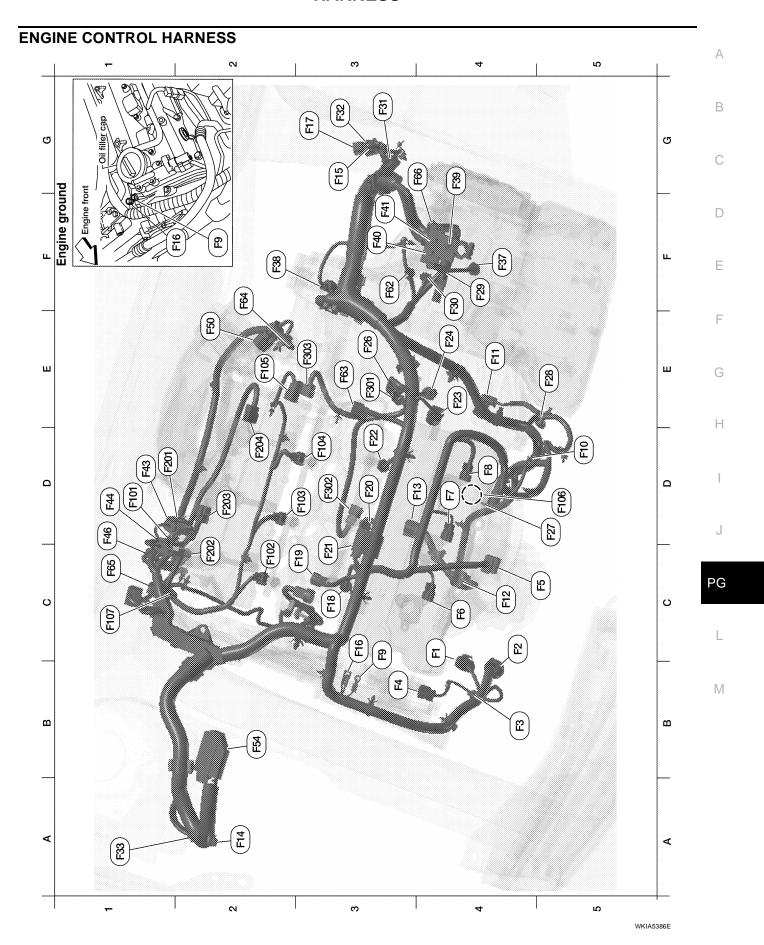
E5	E1	B/2	: Ambient sensor		_	
B3	E2	GR/10	: To F32			
E4	E3	B/1	: Horn (low)			
D5	E4	Y/2	: Crash zone sensor			
D3	E6	GR/2	: Fusible link box (battery)			
B3	E7	G/10	: To F15			
В3	E8	B/12	: To F17			
E2	E11	GR/3	: Front combination lamp LH			
D2	E14	_	: Engine ground			
D2	E15	_	: Engine ground			
C2	E18	GR/2	: Front wheel sensor LH			
C2	E21	GR/2	: Brake fluid level switch			
B2	E23	GR/6	: Front wiper motor			
C3	E27	BR/2	: Fusible link box (battery)			
E2	E43	GR/2	: Front combination lamp LH (cornering lamp)			
E2	E44	BR/2	: Front combination lamp LH (head-lamp low)			
E3	E45	B/2	: Front combination lamp LH (head-lamp high)			
E4	E102	B/2	: Front fog lamp LH			
D2	E103	GR/8	: Daytime light control unit			
D2	E104	GR/6	: Daytime light control unit			
C3	E151	B/1	: To F66			



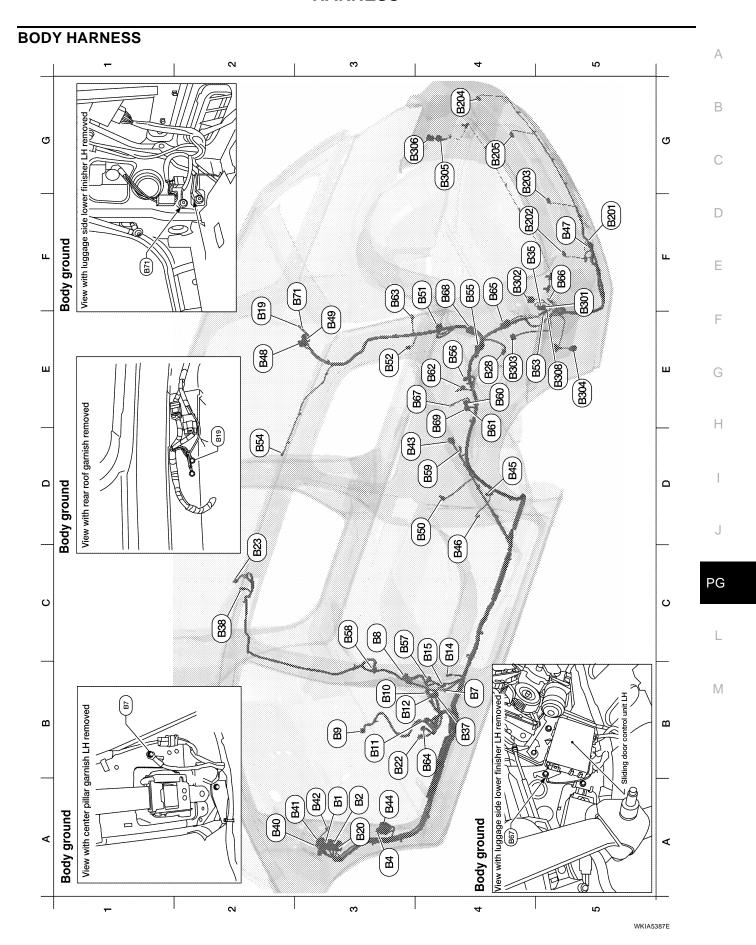
Pass	senger c	ompartme	ent		
C3	E20	B/8	: Accelerator pedal position (APP) sensor		
А3	E25	W/24	: To M90		
G3	E26	BR/16	: To M91		
В3	E29	W/4	: To M10		
A2	E30	W/8	: Fuse block (J/B)		
А3	E31	B/2	: Fuse block (J/B)		
A2	E32	B/1	: Fuse block (J/B)		
В3	E37	BR/2	: ASCD brake switch		
В3	E38	W/4	: Stop lamp switch		
А3	E42	Y/4	: To M88		
C2	E109	GR/2	: Pedal adjusting motor		
C2	E110	W/3	: Pedal adjusting motor		
G2	E128	L/4	: Heater pump relay		
А3	E134	W/12	: To M83		
G3	E138	W/20	: To B106		
F3	E139	W/6	: To B107		
В3	E140	B/1	: Park brake switch		
А3	E141	W/2	: To B40		
G2	E142	GR/28	: TCM		
F1	E143	GR/20	: TCM		
G1	E144	L/4	: A/T PV IGN relay		
А3	E145	W/8	: To B41		
A2	E146	/3	: Diode-3		
B2	E147	/2	: Diode-1		
F2	E148	W/3	: Daytime light relay		



D2	E5	B/8	: To F14		
E2	E9	_	: Engine ground		
D3	E12	BR/2	: Front combination lamp RH (head-lamp low)		
D4	E13	B/2	: Front combination lamp RH (head-lamp high)		
E2	E16	B/32	: ECM		
D2	E19	GR/9	: To F33		
D2	E24	_	: Engine ground		
D5	E101	B/2	: Front fog lamp RH		
D4	E105	GR/2	: Washer motor		
D5	E106	BR/2	: Washer fluid level switch		
D2	E107	GR/3	: Front combination lamp RH		
D5	E108	B/1	: Horn (high)		
E5	E111	B/3	: Refrigerant pressure sensor		
F4	E112	_	: Generator		
F5	E113	GR/4	: Cooling fan motor-1		
F5	E114	GR/4	: Cooling fan motor-2		
D3	E116	_	: Body ground (generator)		
F3	E117	GR/2	: Front wheel sensor RH		
E3	E118	B/4	: IPDM E/R (Intelligent Power Distribution Module Engine Room)		
E3	E119	W/4	: IPDM E/R (Intelligent Power Distribution Module Engine Room)		
E3	E120	B/2	: IPDM E/R (Intelligent Power Distribution Module Engine Room)		
E4	E121	W/16	: IPDM E/R (Intelligent Power Distribution Module Engine Room)		
E4	E122	GR/16	: IPDM E/R (Intelligent Power Distribution Module Engine Room)		
E3	E123	W/6	: IPDM E/R (Intelligent Power Distribution Module Engine Room)		
E4	E124	W/12	: IPDM E/R (Intelligent Power Distribution Module Engine Room)		
F2	E125	B/32	: ABS actuator and electric unit (control unit) (without VDC)		
F2	E125	B/46	: ABS actuator and electric unit (control unit) (with VDC)		
F3	E126	_	: Engine ground		
G2	E127	B/2	: Heater pump		
С3	E137	GR/2	: Front combination lamp RH (cornering lamp)		

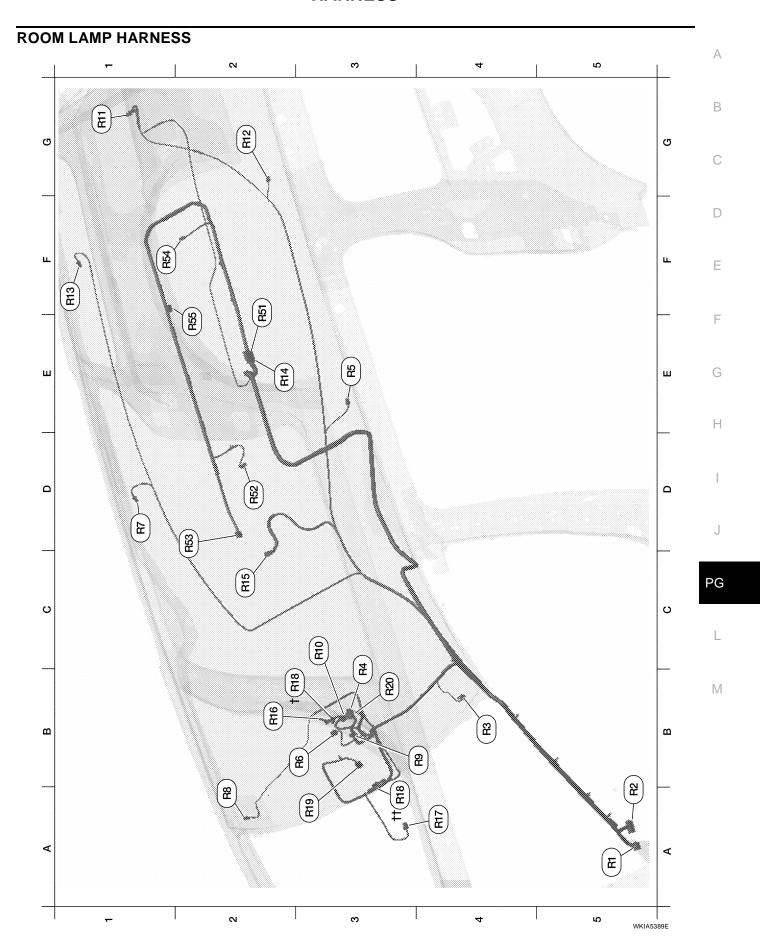


B4	F1	W/2	: Generator	D1	F44	G/8	: To F101
C4	F2	_	: Generator	D1	F46	B/3	: Power steering pressure sensor
B4	F3	B/1	: Mass air flow sensor	E2	F50	GR/6	: Electric throttle control actuator
B3	F4	G/2	: Intake valve timing control solenoid valve (Bank 2)	B2	F54	B/76	: ECM
C5	F5	B/6	: Air fuel ratio (A/F) sensor (Bank 2)	F3	F62	GR/6	: Terminal cord assembly
C4	F6	GR/3	: Ignition coil No. 2 (with power transistor)	E3	F63	GR/2	: EGR temperature sensor
D4	F7	GR/3	: Ignition coil No. 4 (with power transistor)	F2	F64	GR/6	: EGR volume control valve
D4	F8	GR/3	: Ignition coil No. 6 (with power transistor)	C1	F65	B/6	: Air fuel ratio (A/F) sensor (Bank 1)
В3	F9	_	: Engine ground	G4	F66	B/1	: To E151
D5	F10	BR/3	: Front electronic controlled engine mount	Eng	ine contr	ol sub-ha	rness-1
E4	F11	B/3	: Crankshaft position sensor (POS)	D1	F101	G/8	: To F44
C4	F12	L/4	: Heated oxygen sensor 2 (Bank 2)	C2	F102	GR/2	: Fuel injector No. 1
D3	F13	G/4	: Heated oxygen sensor 2 (Bank 1)	D2	F103	GR/2	: Fuel injector No. 3
A2	F14	B/8	: To E5	D3	F104	GR/2	: Fuel injector No. 5
G3	F15	G/10	: To E7	E2	F105	L/2	: EVAP canister purge volume control solenoid valve
C3	F16	_	: Engine ground	D5	F106	B/1	: Oil pressure switch
G3	F17	B/12	: To E8	C1	F107	G/2	: Intake valve timing control solenoid valve (Bank-1)
C3	F18	GR/2	: Fuel injector No. 2	Eng	ine contr	ol sub-ha	rness-2
C3	F19	B/2	: VIAS control solenoid valve	D1	F201	G/6	: To F43
D3	F20	GR/2	: Fuel injector No. 4	C2	F202	GR/3	: Ignition coil No. 1 (with power transistor)
C3	F21	W/2	: Condenser-1	D2	F203	GR/3	: Ignition coil No. 3 (with power transistor)
D3	F22	GR/2	: Fuel injector No. 6	D2	F204	GR/3	: Ignition coil No. 5 (with power transistor)
E4	F23	B/3	: Camshaft position sensor (PHASE) (Bank 2)	Eng	ine contr	ol sub-ha	rness-3
E4	F24	GR/2	: Engine coolant temperature sensor	E3	F301	GR/6	: To F26
E3	F26	GR/6	: To F301	D3	F302	B/2	: Knock sensor
D5	F27	_	: Starter motor	E3	F303	G/3	: Camshaft position sensor (PHASE) (Bank 1)
E5	F28	GR/1	: Starter motor				
F4	F29	GR/ 10	: Park/neutral position (PNP) switch				
F4	F30	BR/8	: Terminal cord assembly				
G3	F31	B/6	: Mass air flow sensor				
G3	F32	GR/ 10	: To E2				
A1	F33	GR/9	: To E19				
F4	F37	L/2	: Turbine revolution sensor				
F2	F38	L/2	: Revolution sensor				
G4	F39	_	: Fusible link box (battery)				
F3	F40	_	: Fusible link box (battery)				
F3	F41	_	: Fusible link box (battery)				
D1	F43	G/6	: To F201				
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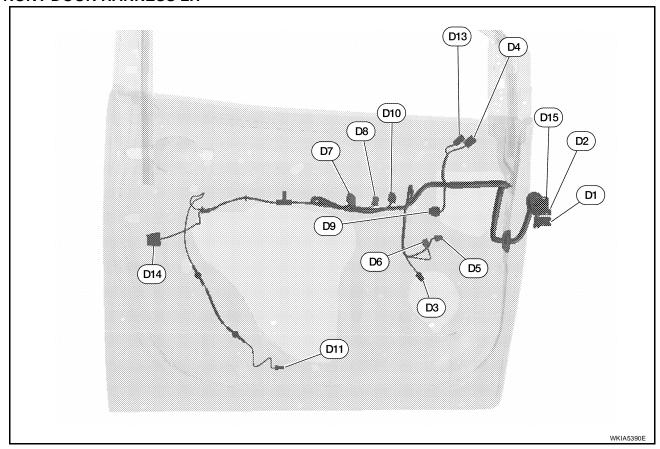
А3	B1	W/16	: To M11	C3	B58	W/4	: Sliding door open/close switch LH	
А3	B2	GR/24	: To M12	D4	B59	W/4	: Sliding door motor assembly LH (sliding door encoder)	
A3	B4	BR/6	: Rear window defogger relay	E4	B60	W/24	: Sliding door control unit LH	
B4	B7	_	: Body ground	D4	B61	W/8	: Sliding door control unit LH	
C3	B8	W/3	: Front door switch LH	E4	B62	B/2	: Fuel door interlock switch	
B3	В9	Y/12	: Air bag diagnosis sensor unit	E3	B63	GR/6	: Back door close switch	
B3	B10	Y/2	: Front LH side air bag module	В4	B64	W/6	: Front heated seat switch LH	
В3	B11	W/8	: Subwoofer	F4	B65	W/2	: Condenser-3	
В3	B12	W/3	: Seat belt buckle switch LH	F5	B66	_	: Body ground	
C4	B14	Y/2	: Front LH seat belt pre-tensioner	E4	B67	_	: Body ground	
C4	B15	Y/2	: LH side air bag (satellite) sensor	F4	B68	W/2	: Condenser-4	
E2	B19	_	: Body ground	D4	B69	W/6	: Sliding door control unit LH	
A3	B20	W/16	: To M81	F3	B71	_	: Body ground	
В3	B22	BR/6	: Pedal adjusting switch	Rea	r sonar	sensor su	ıb-harness	
C2	B23	W/16	: Rear audio remote control unit	F5	B201	GR/6	: To B47	
E4	B28	W/4	: Fuel lid opener actuator	F4	B202	B/3	: Rear sonar sensor LH outer	
F4	B35	W/6	: Rear combination lamp LH (without trailer tow)	F4	B203	B/3	: Rear sonar sensor LH inner	
F4	B35	W/6	: To D301 (with trailer tow)	G4	B204	B/3	: Rear sonar sensor RH outer	
B4	B37	W/16†	: To B400 (with memory seat)	G4	B205	B/3	: Rear sonar sensor RH inner	
B4	B37	W/ 10††	: To B400 (without memory seat)	Trailer tow sub-harness				
B4	B37	W/6	: To B400 (heated seat only)	F5	B301	W/6	: To B35	
C2	B38	Y/2	: LH side rear curtain air bag module	F4	B302	W/6	: Rear combination lamp LH (with trailer tow)	
A2	B40	W/2	: To E141	E4	B303	W/10	: Trailer tow control unit (with trailer tow)	
A3	B41	W/8	: To E145	E5	B304	GR/4	: Trailer (with trailer tow)	
A3	B42	W/6	: Fuse block (J/B)	G4	B305	W/6	: To B130	
D4	B43	W/10	: To B111	G3	B306	W/6	: Rear combination lamp RH (with trailer tow)	
A3	B44	W/2	: Circuit breaker-2	E5	B308	W/1	: To B53	
D4	B45	W/2	: Rear speaker LH					
C4	B46	W/3	: Sliding door switch LH					
C5	B47	GR/6	: To B201					
E2	B48	W/12	: To D401 (without power back door)					
E2	B48	W/24	: To D401 (with power back door)					
E3	B49	W/4	: To D402					
D4	B50	B/3	: Rear power socket (2nd row)					
F4	B51	B/3	: Rear power socket (cargo)					
E3	B52	W/2	: Rear power vent window motor LH					
E5	B53	W/1	: To B308					
D2	B54	Y/2	: LH side front curtain air bag module					
F4	B55	W/26	: Back door control unit					
E4	B56	W/16	: Sonar control unit					
C3	B57	W/8	: Sliding door contact switch LH (pillar)			1		
		1			<u> </u>		1	

G2	B101	W/16	: To M84	В3	B144	W/8	: Sliding door control unit RH
G2	B102	BR/24	: To M85	В3	B145	W/4	: Sliding door motor assembly RH (sliding door encoder)
G1	B103	BR/20	: To M86	А3	B146	B/6	: Air mix door (rear)
G2	B104	W/24	: To M114	В3	B147	W/2	: Rear power vent window motor RH
G1	B105	W/4	: To M115	B4	B148	GR/6	: To B251
G1	B106	W/20	: To E138	А3	B149	GR/2	: Running board lamps pre-wiring
G1	B107	W/6	: To E139	E1	B150	B/10	: Rear air control (rear)
E2	B108	W/3	: Front door switch RH	D1	B151	W/4	: Variable blower control (rear)
G2	B109	L/4	: Heated seat relay	C3	B141	W/6	: Sliding door control unit RH
E2	B110	W/3	: Seat belt buckle switch RH	Fue	I tank su	ib-harness	
C3	B111	W/10	: To B43	B4	B251	GR/6	: To B148
F1	B113	Y/12	: Air bag diagnosis sensor unit	B2	B252	GR/5	: Fuel level sensor unit and fuel pump
E3	B114	Y/2	: RH side air bag (satellite) sensor				
F3	B115	W/6	: To B501				
E2	B116	W/48	: To B502				
E2	B117	_	: Body ground				
F2	B118	W/12	: To B503				
В3	B119	GR/3	: EVAP control system pressure sensor				
G2	B120	W/2	: Circuit breaker-1				
A3	B121	B/2	: EVAP canister vent control valve				
B4	B122	GR/2	: Rear wheel sensor RH				
A4	B123	L/2	: Rear wheel sensor LH				
F3	B124	BR/6	: Front heated seat switch RH				
F1	B125	B/6	: Yaw rate/side/decel G-sensor				
F3	B126	Y/2	: Front RH side air bag module				
E3	B127	Y/2	: Front RH seat belt pre-tensioner				
C1	B128	Y/2	: RH side rear curtain air bag module				
D1	B129	Y/2	: RH side front curtain air bag module				
A4	B130	W/6	: Rear combination lamp RH (without trailer tow)				
A4	B130	W/6	: To B305 (with trailer tow)				
C4	B131	W/2	: Rear speaker RH				
E3	B132	_	: Body ground				
A4	B133	W/4	: Rear blower motor resistor				
A4	B134	W/2	: Rear blower motor				
C3	B135	W/3	: Sliding door switch RH				
F3	B136	W/8	: To B508				
E3	B137	B/3	: Belt tension sensor				
E3	B138	W/2	: Condenser-2				
E3	B139	W/8	: Sliding door contact switch RH (pillar)				
E2	B140	W/4	: Sliding door open/close switch RH				
C3	B143	W/24	: Sliding door control unit RH				



A5	R1	W/16	: To M1		
A5	R2	W/32	: To M2		
B4	R3	W/2	: Vanity lamp LH		
В3	R4	W/10	: Sunroof motor assembly		
E3	R5	W/3	: Personal lamp 2nd row LH (without rear roof console)		
B2	R6	GR/6	: Sunroof switch		
D1	R7	W/3	: Personal lamp 2nd row RH (without rear roof console)		
A2	R8	W/2	: Vanity lamp RH		
ВЗ	R9	W/3	: Room/map lamps		
СЗ	R10	W/8	: Automatic door main switch		
G1	R11	W/3	: Cargo lamp		
F2	R12	W/3	: Personal lamp 3rd row LH (without rear roof console)		
F1	R13	W/3	: Personal lamp 3rd row RH (without rear roof console)		
E2	R14	W/4	: To R51 (without DVD entertainment system)		
E2	R14	W/24	: To R51 (with DVD entertainment system)		
C2	R15	W/12	: Video monitor (with DVD entertain- ment system except models with overhead console)		
B2	R16	W/4	: Bluetooth ON indicator		
A4	R17	B/10	: Auto anti-dazzling inside mirror		
A3	R18†	W/2	: Console lamp (without power sliding door)		
A3	R18†	W/2	: Console lamp		
A3	R19	B/10	: Rear air control (front)		
B3	R20	W/4	: Microphone		
Ove	rhead co	onsole ha	arness		
E2	R51	W/4	: To R14 (without DVD entertainment system)		
E2	R51	W/24	: To R14 (with DVD entertainment system)		
D2	R52	W/3	: Personal lamp 2nd row (with rear roof console)		
C2	R53	W/12	: Front video monitor		
F1	R54	W/3	: Personal lamp 3rd row (with rear roof console)		
E2	R55	W/12	: Rear video monitor (with dual monitor DVD entertainment system)		

FRONT DOOR HARNESS LH



D1	GR/12	: To M9		W/3	: Main power window and door lock/ unlock switch
D2	W/12	: To M8		GR/6	: Front power window motor LH
D3	W/2	: Front door speaker LH (without BOSE audio system)		W/10	: Door mirror remote control switch
D3	BR/2	: Front door speaker LH (with BOSE audio system)	D11	W/2	: Front step lamp LH
D4	W/8	: Door mirror LH	D13	W/6	: Door mirror LH
D5	W/8	: Seat memory switch	D14	B/6	: Front door lock assembly LH
D6	W/4	: Fuel lid open switch	D15	W/20	: To M15
D7	W/16	: Main power window and door lock/ unlock switch			

Α

В

С

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Е

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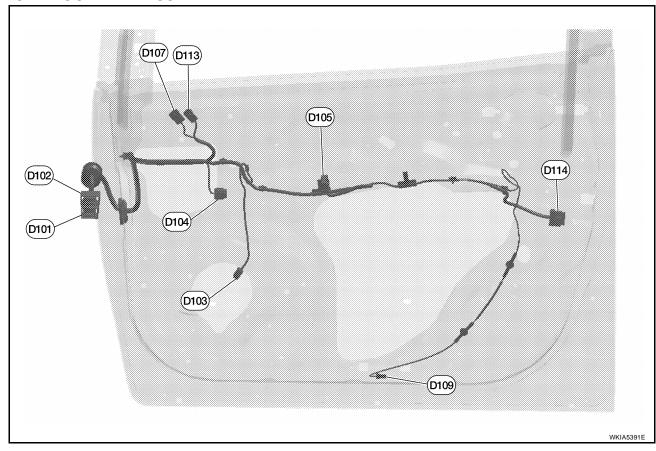
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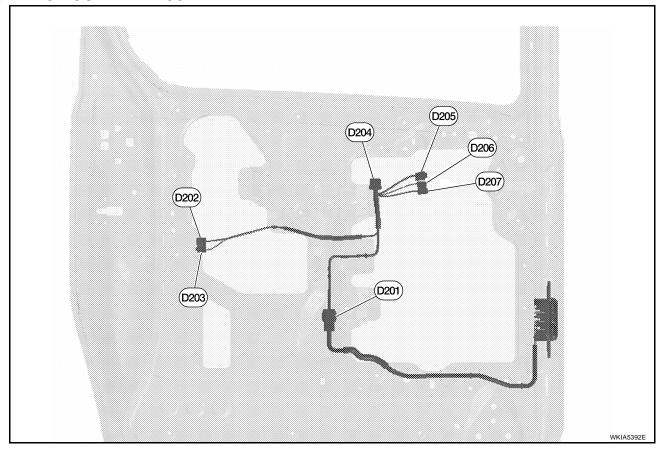
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FRONT DOOR HARNESS RH



D101	W/8	: To M5	D105	W/16	: Power window and door lock/unlock switch RH)
D102	W/16	: To M74	D107	W/8	: Door mirror RH
D103	W/2	: Front door speaker RH (without BOSE audio system)	D109	W/2	: Front step lamp RH
D103	BR/2	: Front door speaker RH (with BOSE audio system)	D113	W/6	: Door mirror RH
D104	GR/6	: Front power window motor RH	D114	B/6	: Front door lock actuator RH

SLIDING DOOR HARNESS LH



D201	GR/8	: Sliding door contact switch LH		GR/4	: Sliding door lock actuator LH
D202	W/4	: Cinch latch switch LH		W/2	: Latch release actuator LH
D203	W/2	: Cinch latch Motor LH	D207	W/3	: Sliding door remote control switch LH
D204	W/10	: Sliding door latch control unit LH			

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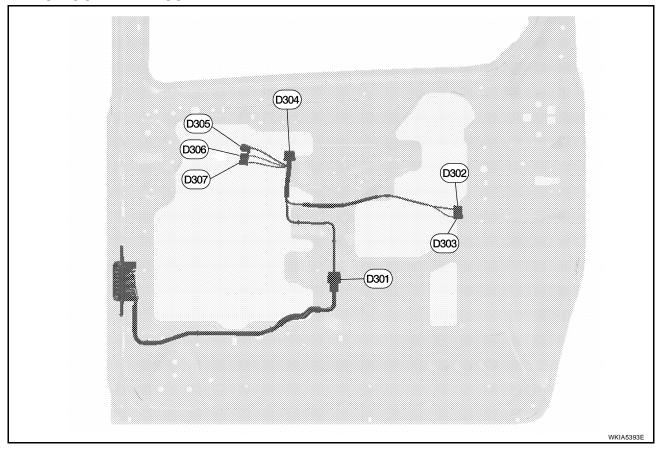
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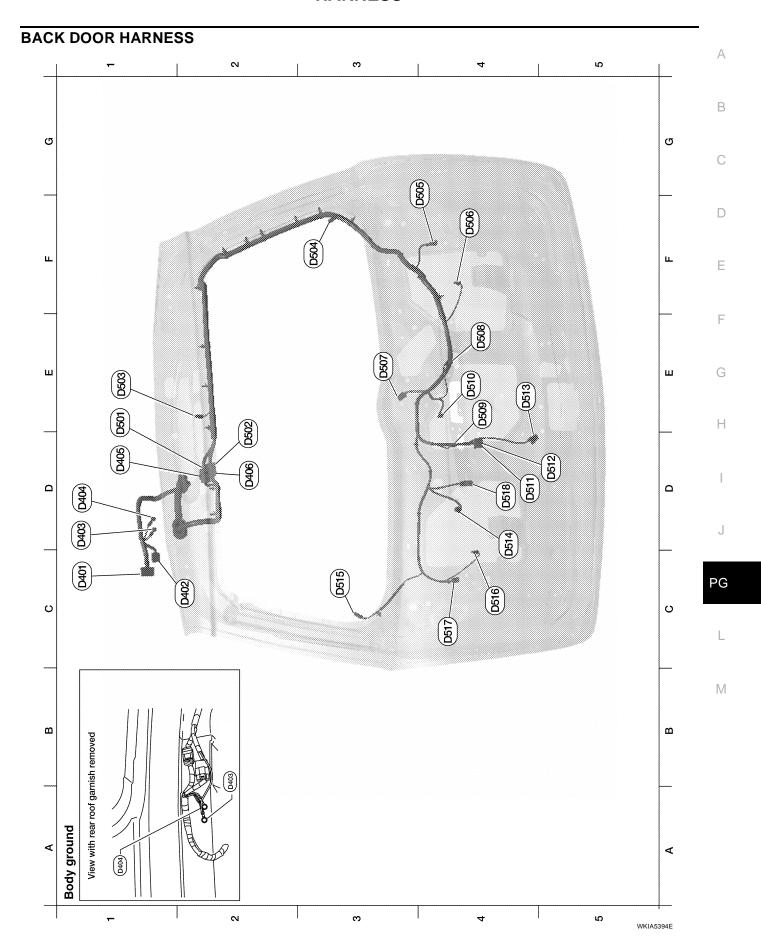
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SLIDING DOOR HARNESS RH



D301	GR/8	: Sliding door contact switch RH		GR/4	: Sliding door lock actuator RH
D302	W/4	: Cinch latch switch LH	D306	W/2	: Latch release actuator RH
D303	W/2	: Cinch latch Motor LH	D307	W/3	: Sliding door remote control switch RH
D304	W/10	: Sliding door latch control unit RH			



Bac	k door N	lo.2 harne	ess			
C1	D401	W/12	: To B48 (without power back door)			
C1	D401	W/24	: To B48 (without power back door)			
C2	D402	W/4	: To B49			
D1	D403	W/2	: Body ground			
D1	D404	W/10	: Body ground			
D1	D405	W/6	: To D501			
D2	D406	W/12	: To D501 (without power back door)			
D2	D406	W/24	: To D501 (with power back door)			
Bac	k door h	arness				
E1	D501	W/6	: To D405			
E2	D502	W/12	: To D406 (without power back door)			
E2	D502	W/24	: To D406 (with power back door)			
E1	D503	W/2	: High mounted stop lamp			
F3	D504	B/1	: Rear window defogger (+)			
G4	D505	BR/2	: Pinch strip RH			
F4	D506	BR/2	: Rear tweeter RH			
E3	D507	W/4	: Rear wiper motor			
E4	D508	BR/2	: License plate lamp RH			
E4	D509	BR/2	: License plate lamp LH			
E4	D510	GR/2	: Back door handle switch			
D4	D511	W/8	: Back door latch			
D5	D512	W/3	: Back door switch			
E4	D513	W/4	: Back door lock actuator			
D4	D514	BR/2	: Back door warning chime			
C3	D515	B/1	: Rear window defogger (-)			
C4	D516	BR/2	: Rear tweeter LH			
C4	D517	BR/2	: Pinch strip LH			
D4	D518	W/4	: Rear view camera			

Wiring Diagram Codes (Cell Codes)

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Use the chart below to find out what each wiring diagram code stands for.

Refer to the wiring diagram code in the alphabetical index to find the location (page number) of each wiring diagram.

Code	Section	Wiring Diagram Name
1STSIG	AT	A/T 1st Signal
2NDSIG	AT	A/T 2nd Signal
3RDSIG	AT	A/T 3rd Signal
4THSIG	AT	A/T 4th Signal
5THSIG	AT	A/T 5th Signal
A/C,A	ATC	Auto Air Conditioner
A/C,M	MTC	Manual Air Conditioner
AF1B1	EC	Air Fuel Ratio Sensor 1 Bank 1
AF1B2	EC	Air Fuel Ratio Sensor 1 Bank 2
AF1HB1	EC	Air Fuel Ratio Sensor 1 Heater Bank 1
AF1HB2	EC	Air Fuel Ratio Sensor 1 Heater Bank 2
APPS1	EC	Accelerator Pedal Position Sensor
APPS2	EC	Accelerator Pedal Position Sensor
APPS3	EC	Accelerator Pedal Position Sensor
ASC/BS	EC	ASCD Brake Switch
ASC/SW	EC	ASCD Steering Switch
ASCBOF	EC	ASCD Brake Switch
ASCIND	EC	ASCD Indicator
AT/IND	DI	A/T Indicator Lamp
AUDIO	AV	Audio
AUT/DP	SE	Automatic Drive Positioner
AUTO/L	LT	Auto Light Control
B/CLOS	BL	Back Door Auto Closure System
BACK/L	LT	Back-up Lamp
BRK/SW	EC	Brake Switch
CAN	AT	CAN Communication Line
CAN	EC	CAN Communication Line
CAN	LAN	CAN System
CHARGE	SC	Charging System
CHIME	DI	Warning Chime
COOL/F	EC	Cooling Fan Control
COMBSW	LT	Combination Switch
COMM	AV	Audio Visual Communication System
CORNER	LT	Cornering Lamps
D/LOCK	BL	Power Door Lock
DEF	GW	Rear Window Defogger
DTRL	LT	Headlamp - With Daytime Light System
DVD	AV	DVD Entertainment System
ECM/PW	EC	ECM Power Supply for Back-Up
ECTS	EC	Engine Coolant Temperature Sensor
EGR/TS	EC	EGR Temperature Sensor
EGRC1	EC	EGR Function
EGVC/V	EC	EGR Volume Control Valve
EMNT	EC	Engine Mount
ETC1	EC	Electric Throttle Control Function
ETC2	EC	Throttle Control Motor Relay
		till Control Motor Holay

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PG

F/FOG	LT	Front Fog Lamp
F/LID	BL	Fuel Lid Opener
F/PUMP	EC	Fuel Pump
FTS	AT	A/T Fluid Temperature Sensor
FTSP	AT	A/T Fluid Temperature Sensor Failure
FTTS	EC	Fuel Tank Temperature Sensor
FUELB1	EC	Fuel Injection System Bank 1
FUELB2	EC	Fuel Injection System Bank 2
H/LAMP	LT	Headlamp
H/PHON	AV	Hands Free Telephone
HORN	WW	Horn
HSEAT	SE	Heated Seat
I/MIRR	GW	Inside Mirror (Auto Anti-Dazzling Mirror)
IATS	EC	Intake Air Temperature Sensor
IGNSYS	EC	Ignition System
ILL	LT	Illumination
INF/D	AV	Vehicle Information and Integrated Switch System
INJECT	EC	Injector
INT/L	LT	Room/Map, Vanity, Cargo, Personal, Foot, Step, Puddle and Running Board Lamps
IVCB1	EC	Intake Valve Timing Control Solenoid Valve Bank 1
IVCB2	EC	Intake Valve Timing Control Solenoid Valve Bank 2
KEYLES	BL	Remote Keyless Entry System
KS	EC	Knock Sensor
LVRSW	AT	A/T Device Lever Switch
MAFS	EC	Mass Air Flow Sensor
MAIN	EC	Main Power Supply and Ground Circuit
METER	DI	Speedometer, Tachometer, Temp. and Fuel Gauges
MIL/DL	EC	Malfunction Indicator Lamp
MIRROR	GW	Door Mirror
NATS	BL	Nissan Anti-Theft System
NAVI	AV	Navigation System
O2H2B1	EC	Rear Heated Oxygen Sensor 2 Heater Bank 1
O2H2B2	EC	Rear Heated Oxygen Sensor 2 Heater Bank 2
O2S2B1	EC	Heated Oxygen Sensor 2 Bank 1
O2S2B2	EC	Heated Oxygen Sensor 2 Bank 2
P/SCKT	WW	Power Socket
PC/A	AT	Line Pressure Solenoid Valve
PC/B	AT	Shift Pressure Solenoid Valve
PC/C	AT	Pressure Control Solenoid Valve
PC/CS	AT	Pressure Control Solenoid Valve Failure
PEDAL	AP	Adjustable Pedal System
PGC/V	EC	EVAP Canister Purge Volume Control Solenoid Valve
PHSB1	EC	Camshaft Position Sensor (PHASE) (Bank 1)
PHSB2	EC	Camshaft Position Sensor (PHASE) (Bank 2)
PNP/SW	AT	Park/Neutral Position Switch
PNP/SW	EC	Park/Neutral Position Switch
POS	EC	Crankshaft Position Sensor (POS)
POWER	PG	Power Supply Routing
PRE/SE	EC	EVAP Control System Pressure Sensor
PS/SEN	EC	Power Steering Pressure Sensor
PWR/IN	AT	TCM Ignition Power

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R/VIEW	DI	Rear View Camera	
RP/SEN	EC	Refrigerant Pressure Sensor	
S/CLOS	BL	Slide Door Auto Closure System	
SEAT	SE	Power Seat	
SEN/PW	EC	Sensor Power Supply	
SFTFNC	AT	Unusual Shifting	
SHIFT	AT	A/T Shift Lock System	
SONAR	DI	Rear Sonar System	
SROOF	RF	Sunroof	
SRS	SRS	Supplemental Restraint System	
SSV/A	AT	Shift Solenoid Valve A	
SSV/B	AT	Shift Solenoid Valve B	
SSV/C	AT	Shift Solenoid Valve C	
SSV/CS	AT	Shift Solenoid Valve C Failure	
SSV/D	AT	Shift Solenoid Valve D	
SSV/E	AT	Shift Solenoid Valve E	
START	SC	Starting System	
STOP/L	LT	Stop Lamp	
T/TOW	LT	Trailer Tow	
T/WARN	WT	Low Tire Pressure Warning System	
TAIL/L	LT	Parking, License and Tail Lamps	
TCCSIG	AT	A/T TCC Signal (Lock Up)	
TCS	BRC	Traction Control System	
TPS1	EC	Throttle Position Sensor	
TPS2	EC	Throttle Position Sensor	
TPS3	EC	Throttle Position Sensor	
TRNSCV	BL	HOMELINK® Universal Transceiver	
TRSC	AT	Turbine Revolution Sensor	
TURN	LT	Turn Signal and Hazard Warning Lamps	
VDC	BRC	Vehicle Dynamic Control System	
VEHSEC	BL	Vehicle Security (Theft Warning) System	
VENT/V	EC	EVAP Canister Vent Control Valve	
VIAS	EC	Variable Air Induction Control System	
VIAS/V	EC	Variable Air Induction Control System Valve	
VSSATC	AT	Revolution Sensor	
W/ANT	AV	Audio Antenna	
WARN	DI	Warning Lamps	
WINDOW	GW	Power Window	
WIP/R	WW	Rear Wiper and Washer	
WIPER	WW	Front Wiper and Washer	

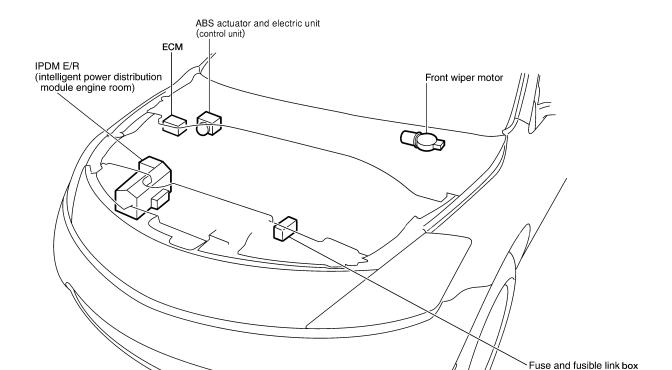
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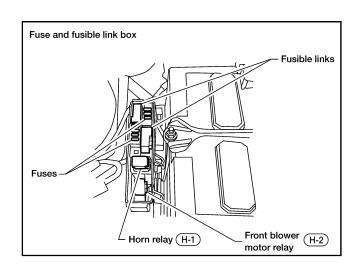
ELECTRICAL UNITS LOCATION

PFP:25230

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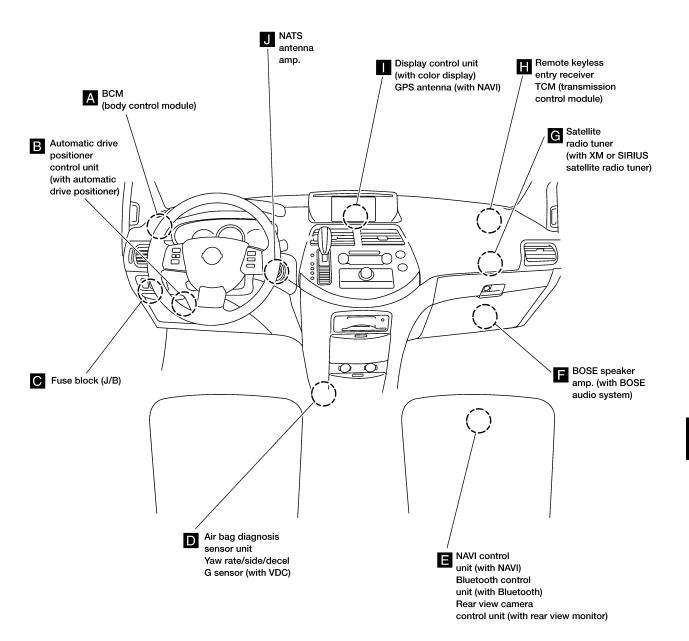
Electrical Units Location ENGINE COMPARTMENT





ELECTRICAL UNITS LOCATION

PASSENGER COMPARTMENT



WKIA5242E

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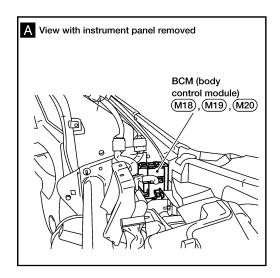
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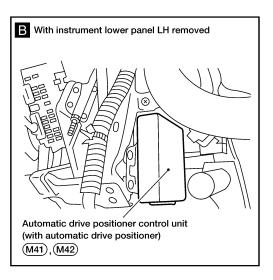
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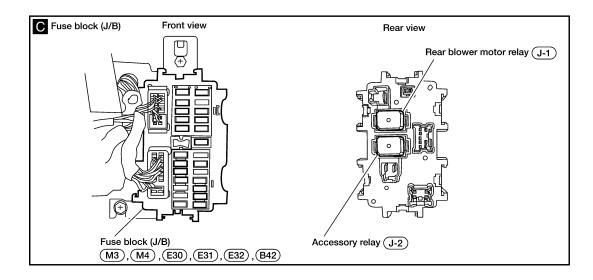
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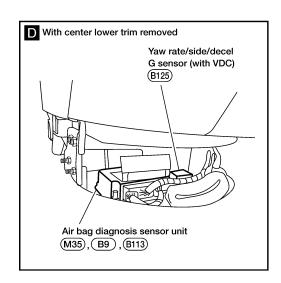
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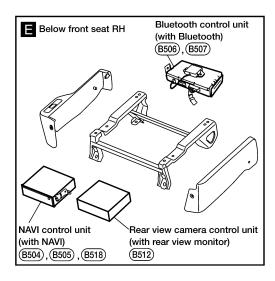
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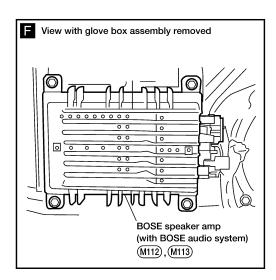


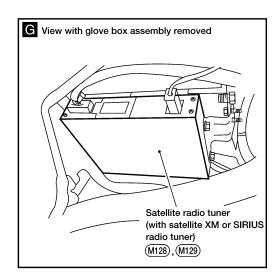


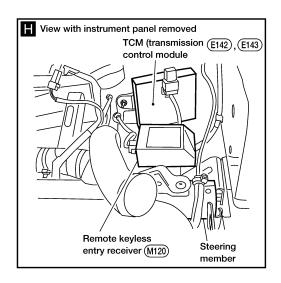


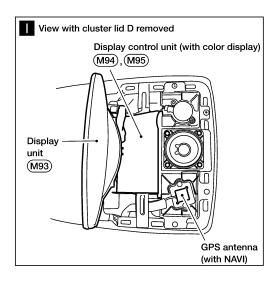
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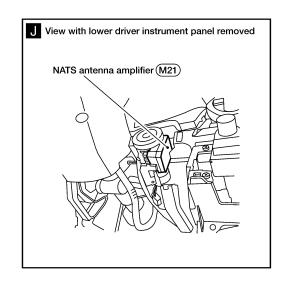
ELECTRICAL UNITS LOCATION











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HARNESS CONNECTOR

PFP:B4341

DescriptionHARNESS CONNECTOR (TAB-LOCKING TYPE)

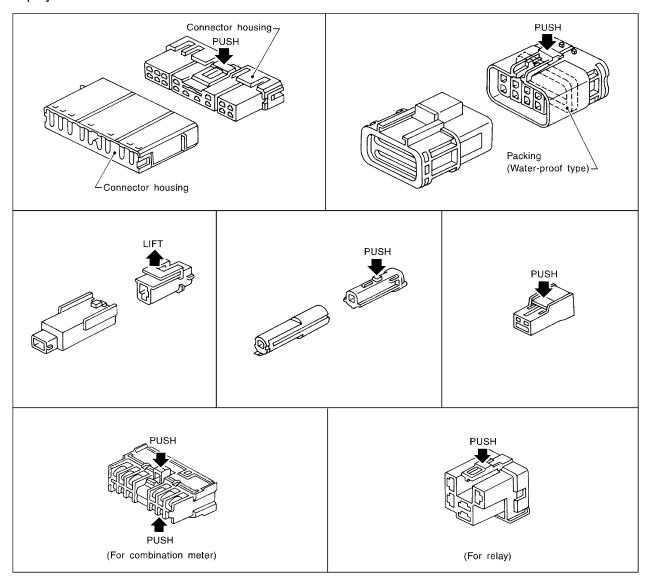
EKS00FP8

- The tab-locking type connectors help prevent accidental looseness or disconnection.
- The tab-locking type connectors are disconnected by pushing or lifting the locking tab(s). Refer to the illustration below.

Refer to the next page for description of the slide-locking type connector.

CAUTION:

Do not pull the harness or wires when disconnecting the connector. [Example]



SEL769DA

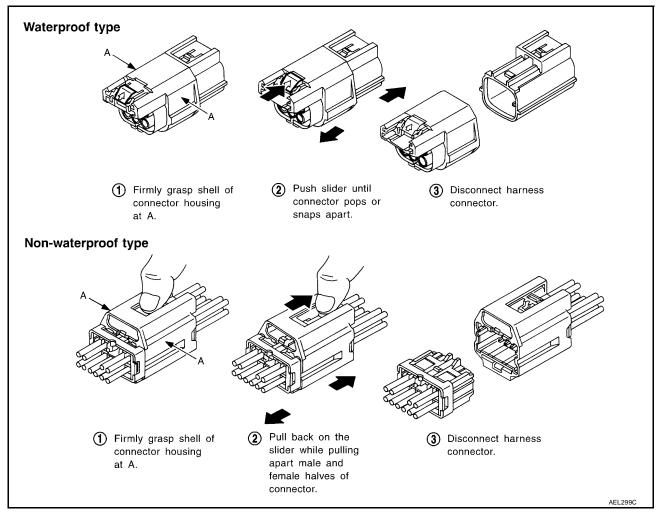
HARNESS CONNECTOR (SLIDE-LOCKING TYPE)

- A new style slide-locking type connector is used on certain systems and components, especially those related to OBD.
- The slide-locking type connectors help prevent incomplete locking and accidental looseness or disconnection.
- The slide-locking type connectors are disconnected by pushing or pulling the slider. Refer to the illustration below.

CAUTION:

- Do not pull the harness or wires when disconnecting the connector.
- Be careful not to damage the connector support bracket when disconnecting the connector.

[Example]



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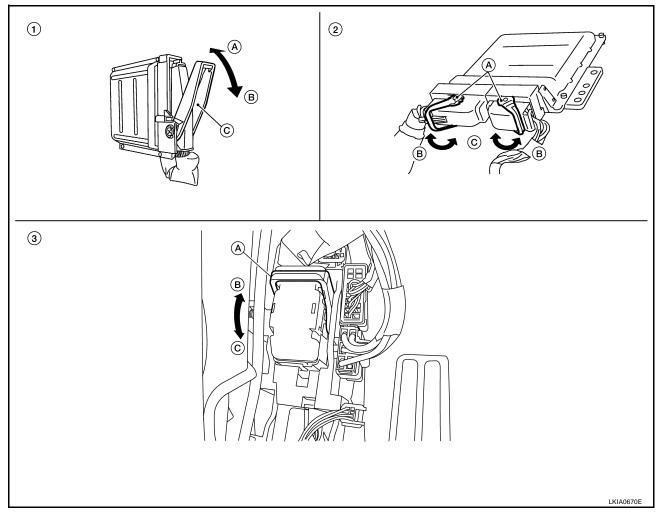
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HARNESS CONNECTOR (LEVER LOCKING TYPE)

- Lever locking type harness connectors are used on certain control units and control modules such as ECM, ABS actuator and electric unit (control unit), etc.
- Lever locking type harness connectors are also used on super multiple junction (SMJ) connectors.
- Always confirm the lever is fully locked in place by moving the lever as far as it will go to ensure full connection.

CAUTION:

Always confirm the lever is fully released (loosened) before attempting to disconnect or connect these connectors to avoid damage to the connector housing or terminals.



- 1. Control unit with single lever
 - A. Fasten
 - B. Loosen
 - C. Lever

- 2. Control unit with dual levers
 - A. Levers
 - B. Fasten
 - C. Loosen

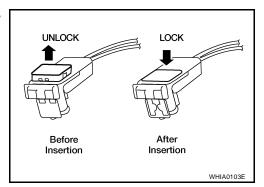
- 3. SMJ connector
 - A. Lever
 - B. Fasten
 - C. Loosen

HARNESS CONNECTOR (DIRECT-CONNECT SRS COMPONENT TYPE)

- SRS direct-connect type harness connectors are used on certain SRS components such as air bag modules and seat belt pre-tensioners.
- Always pull up to release black locking tab prior to removing connector from SRS component.
- Always push down to lock black locking tab after installing connector to SRS component. When locked, the black locking tab is level with the connector housing.

CAUTION:

 Do not pull the harness or wires when removing connectors from SRS components.



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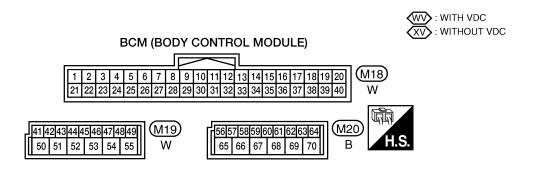
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ELECTRICAL UNITS

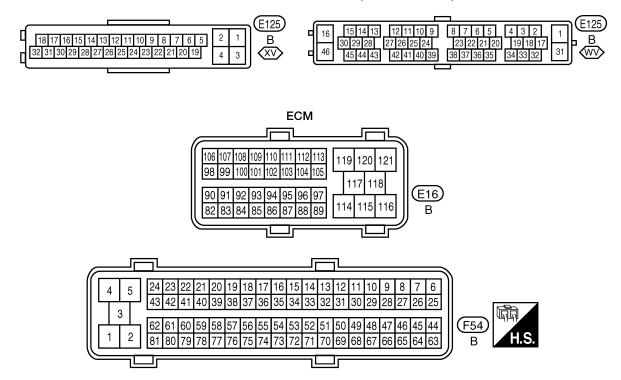
ELECTRICAL UNITS Terminal Arrangement

PFP:23710

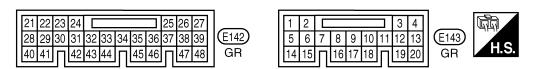
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ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT)



TCM (TRANSMISSION CONTROL MODULE)



WKIA5412E

STANDARDIZED RELAY

STANDARDIZED RELAY

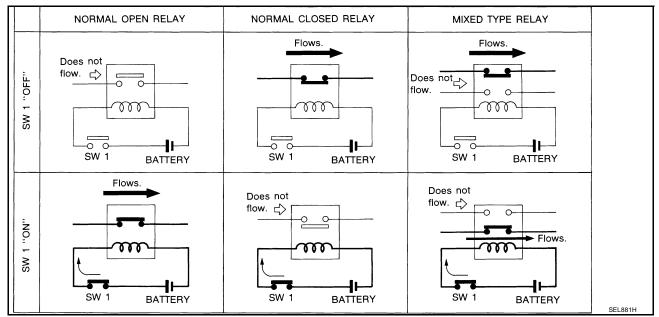
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EKS00FPA

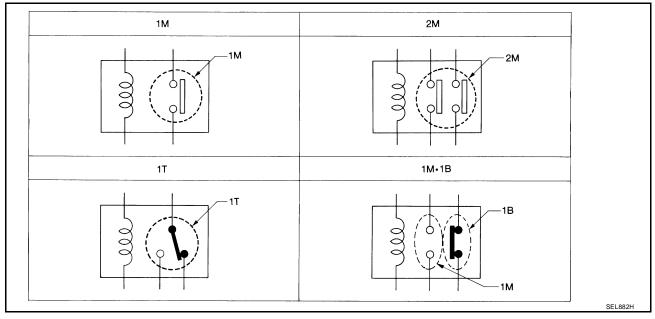
Description

NORMAL OPEN, NORMAL CLOSED AND MIXED TYPE RELAYS

Relays can mainly be divided into three types: normal open, normal closed and mixed type relays.



TYPE OF STANDARDIZED RELAYS



1M	1 Make	2M	2 Make
1T	1 Transfer	1M-1B	1 Make 1 Break

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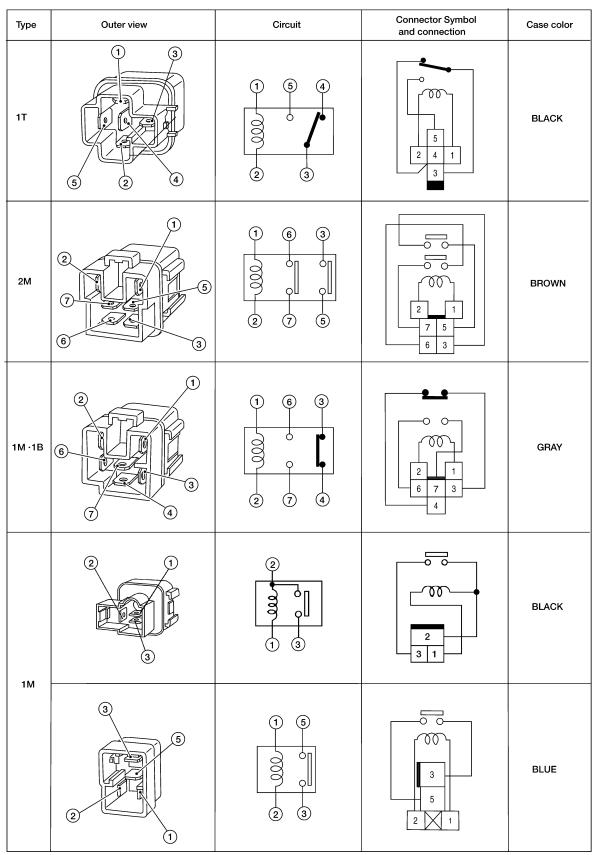
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STANDARDIZED RELAY



The arrangement of terminal numbers on the actual relays may differ from those shown above.

WKIA0253E

SUPER MULTIPLE JUNCTION (SMJ)

SUPER MULTIPLE JUNCTION (SMJ) PFP:84341 Α **Terminal Arrangement** EKS00FPB В С D FRONT SEAT HARNESS RH Е (P102) Н (B116) PG M

BODY NO.2 HARNESS

LKIA0358E

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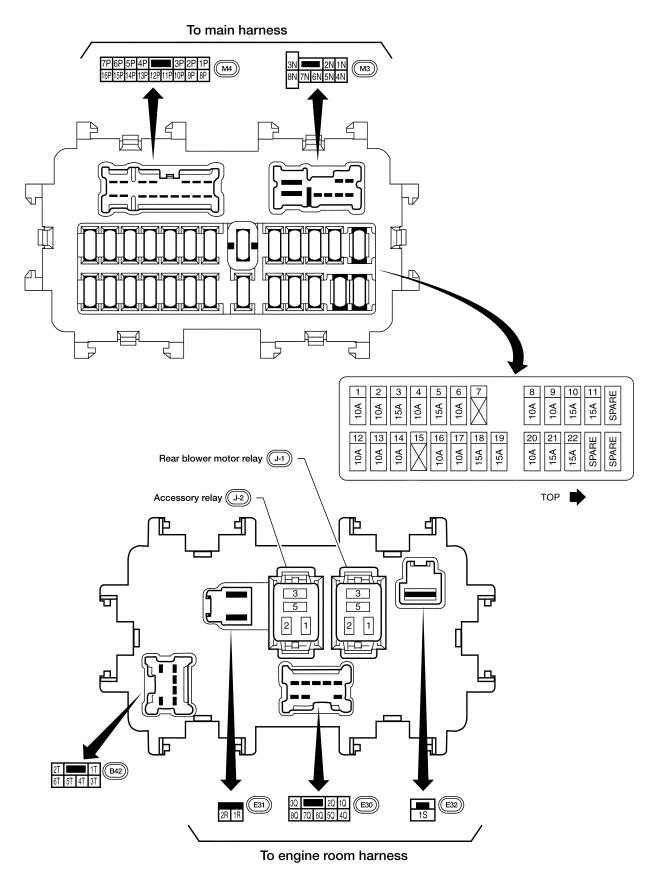
FUSE BLOCK-JUNCTION BOX (J/B)

FUSE BLOCK-JUNCTION BOX (J/B)

PFP:24350

Terminal Arrangement

EKS00FPC



WKIA4511E

FUSE AND FUSIBLE LINK BOX

24 25 26 27

20A|15A|10A|15A

|40A|40A|40A

m

f

f - m : FUSIBLE LINK

g

40A 40A 40A

h

28 29 30 31

20A 15A 20A 20A

40A

FUSE AND FUSIBLE LINK BOX

FRONT

1 3

(H-1)

50A

24 - 3 : FUSE

7 6 5 3

H-2)

PFP:24381

(E28)

Terminal Arrangement

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FUSE AND FUSIBLE LINK BOX