SECTION **MALE AND SECTION SECTION SECTION SUPPLY, GROUND & CIRCUIT ELEMENTS**

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PRECAUTIONS

PRECAUTIONS

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Precautions for Battery Service

Before disconnecting the battery, lower both the driver and passenger windows. This will prevent any interference between the window edge and the vehicle when the door is opened/closed. During normal operation, the window slightly raises and lowers automatically to prevent any window to vehicle interference. The automatic window function will not work with the battery disconnected.

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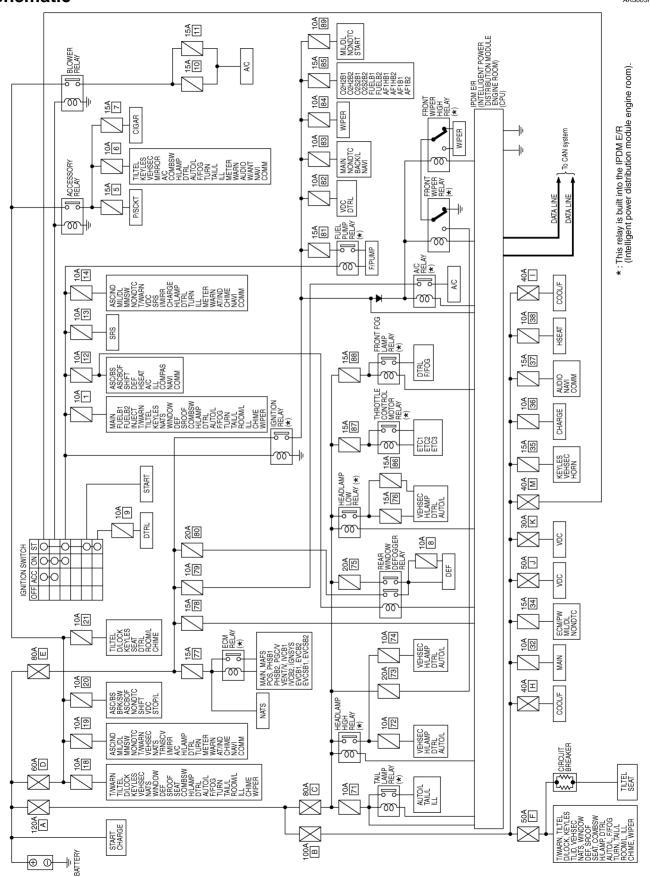
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POWER SUPPLY ROUTING CIRCUIT

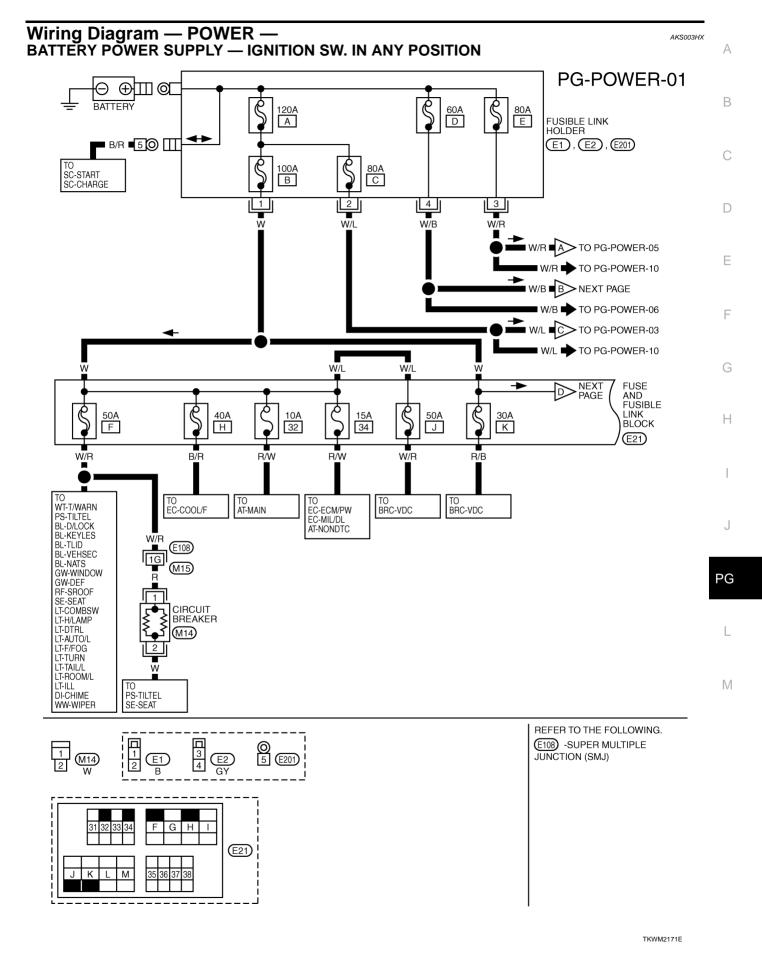
Schematic

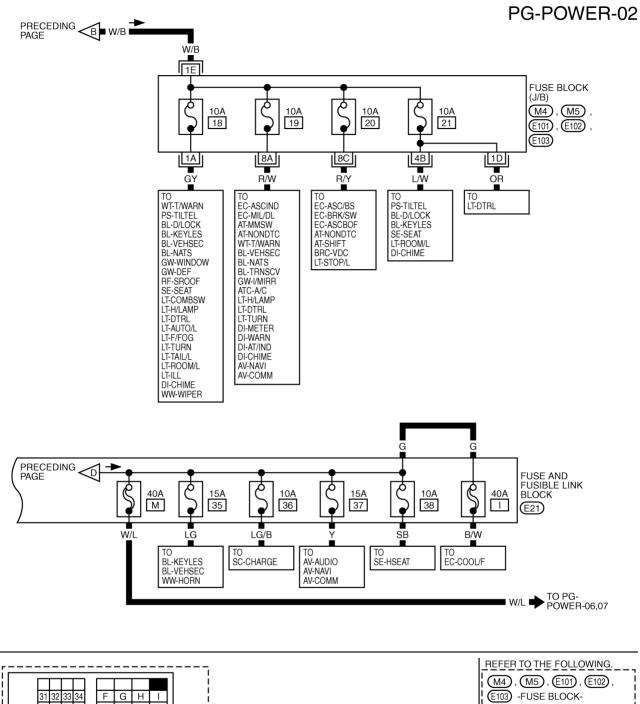






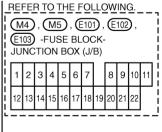
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(E21)



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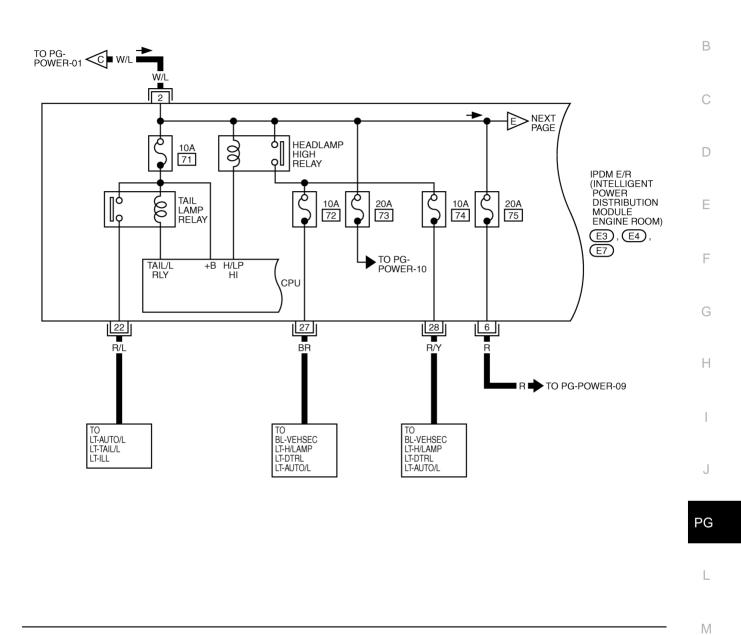
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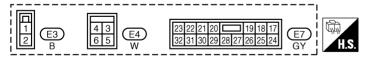
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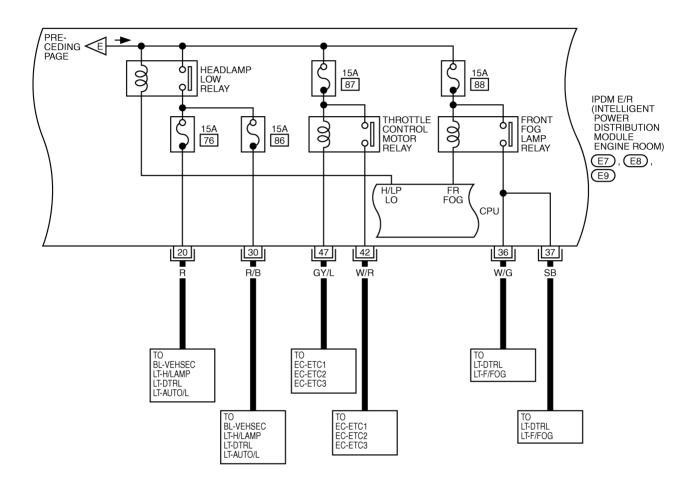
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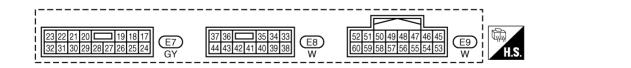
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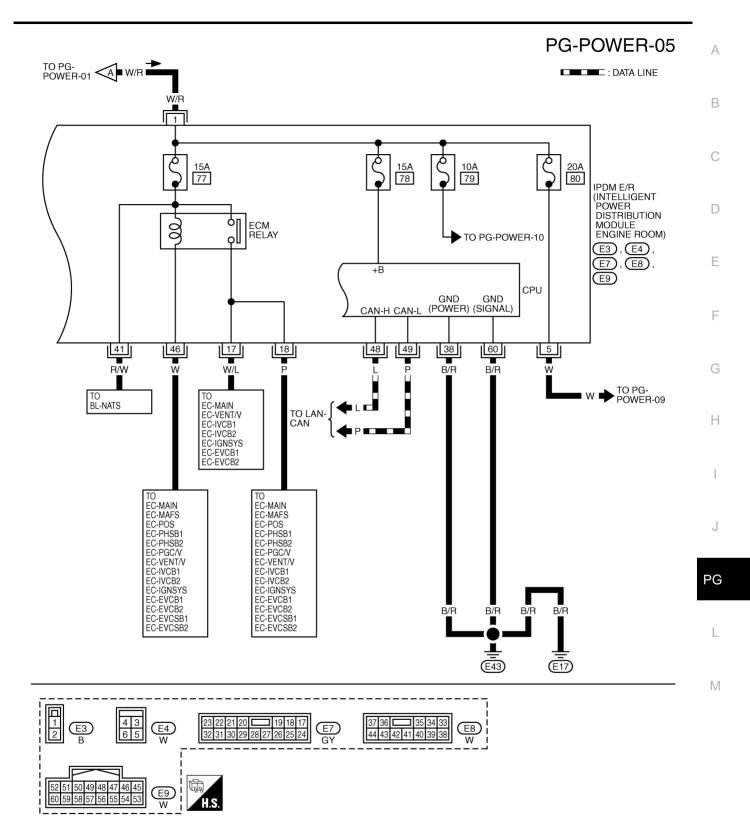


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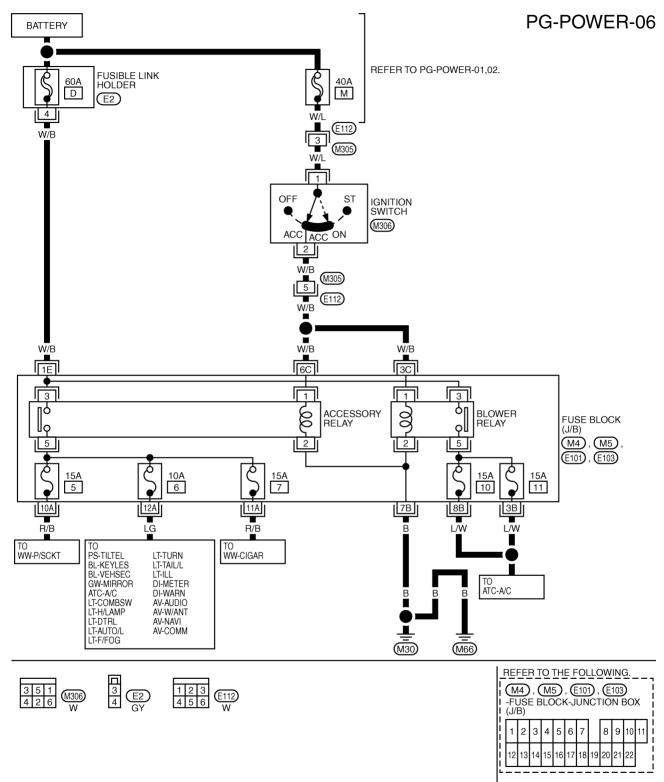


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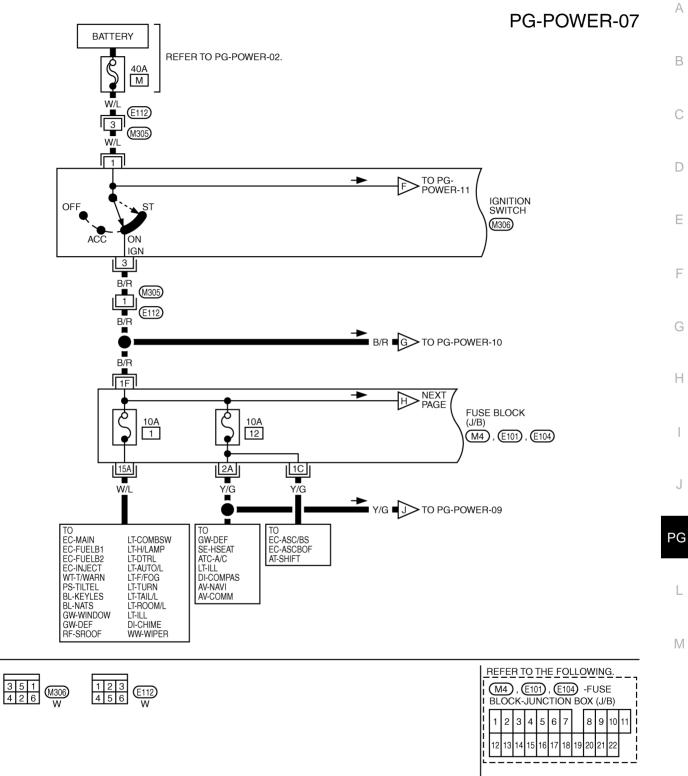
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ACCESSORY POWER SUPPLY - IGNITION SW. IN "ACC" OR "ON"



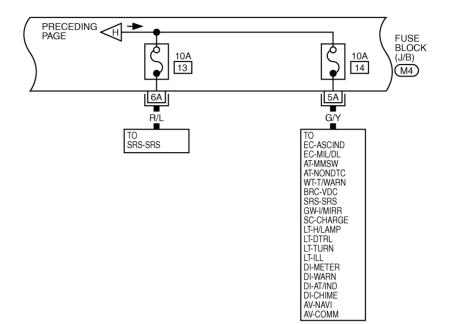
TKWM2174E

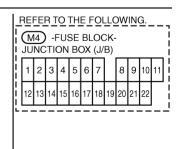
IGNITION POWER SUPPLY — IGNITION SW. IN "ON" AND/OR "START"



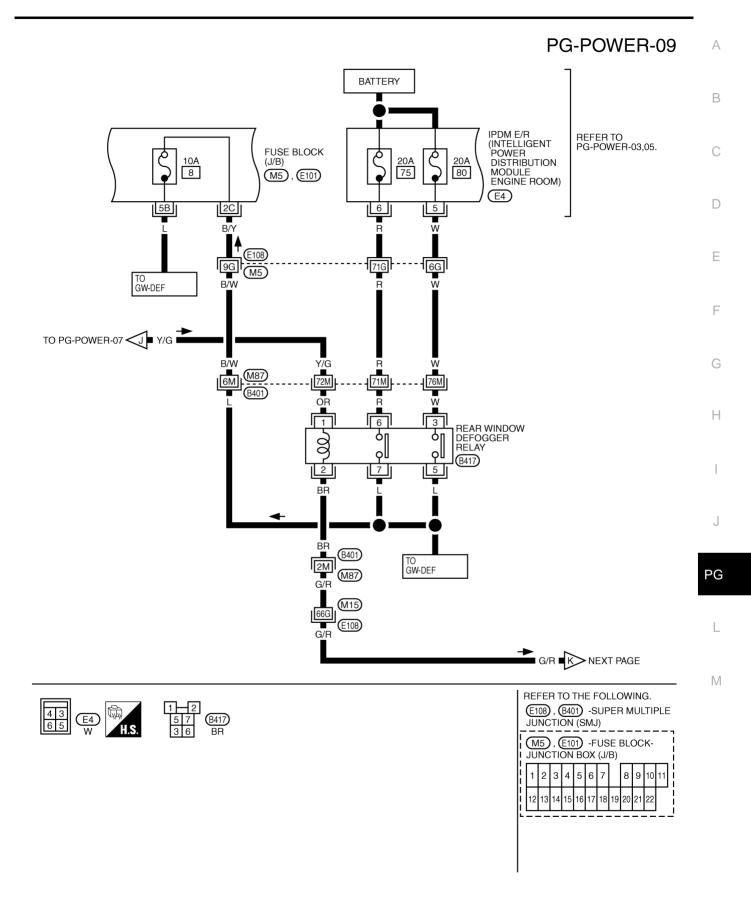
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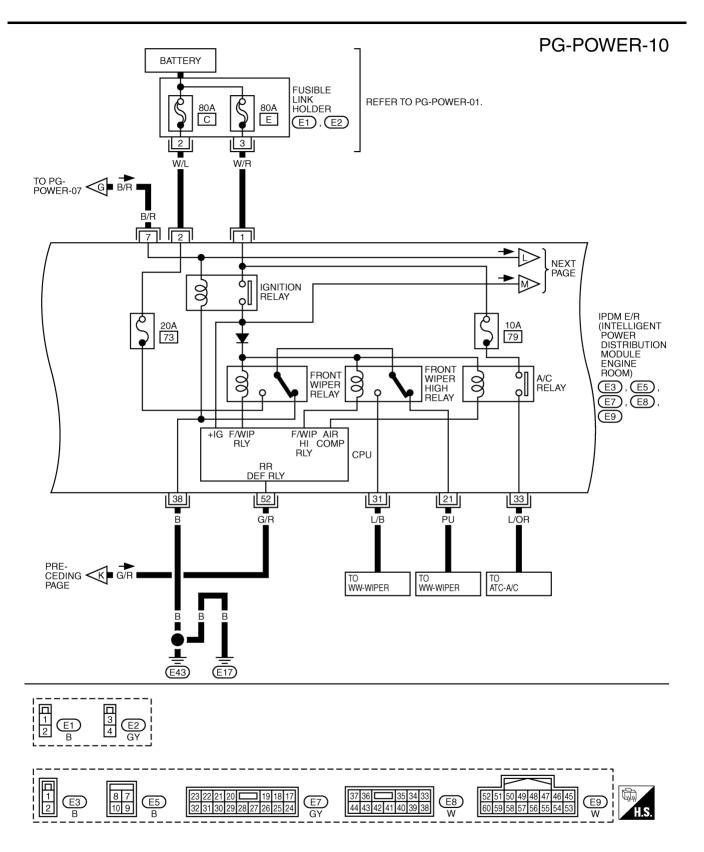




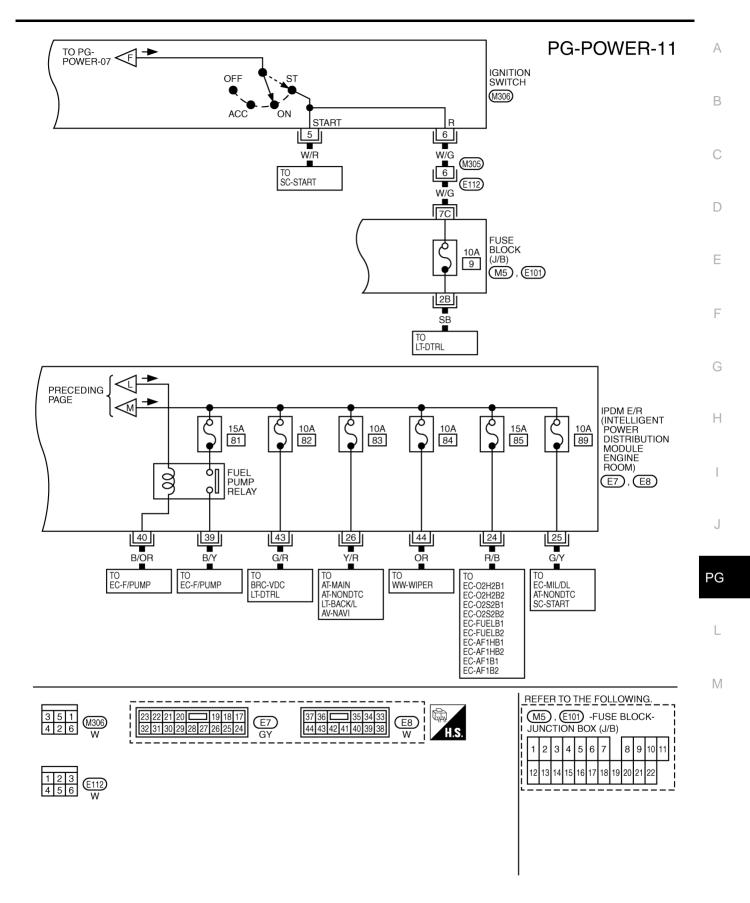
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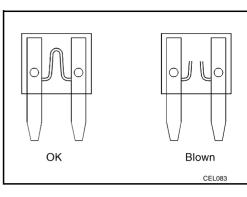
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TKWM2178E

Fuse

- If fuse is blown, be sure to eliminate cause of malfunction 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 malfunction.
- Never wrap outside of fusible link with vinyl tape. Important: Never let fusible link touch any other wiring harness, vinyl or rubber parts.

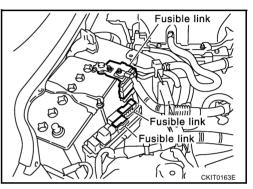
Circuit Breaker

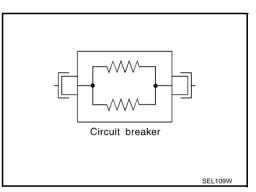
The PTC thermistor generates heat in response to current flow. The temperature (and resistance) of the thermistor element varies with current flow. Excessive current flow will cause the element's temperature to rise. When the temperature reaches a specified level, the electrical resistance will rise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

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IP	DM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)	А
Sy	stem Description	
•	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 relay via IPDM E/R control circuit.	В
•	IPDM E/R-integrated control circuit performs ON-OFF operation of relay, CAN communication control, oil pressure switch signal and hood switch signal reception, etc.	С
•	It controls operation of each electrical part via ECM, BCM and CAN communication lines.	
-	UTION: ne of the IPDM E/R-integrated relays can be removed.	D
	STEMS CONTROLLED BY IPDM E/R	
1.	Lamp control Using CAN communication line, it receives signal from BCM and controls the following lamps:	Е
-	Head lamps (Hi, Lo)	
-	Parking lamps	F
-	Tail lamps	
-	Front fog lamps	
2.	Wiper control Using CAN communication line, it receives signals from BCM and controls the front wipers.	G
3.	Rear window defogger relay control Using CAN communication line, it receives signals from BCM and controls the rear window defogger relay.	Н
4.	A/C compressor control Using CAN communication line, it receives signals from ECM and controls the A/C relay.	I
5.	Cooling fan control Using CAN communication line, it receives signals from ECM and controls cooling fan relay.	
6.	Horn control Using CAN communication line, it receives signals from BCM and controls horn relay.	J
СА	N COMMUNICATION LINE CONTROL	
Wit H-li	h CAN communication, by connecting each control unit using two communication lines (CAN L-line, CAN ne), it is possible to transmit maximum amount of information with minimum wiring. Each control unit can assist and receive data, and reads necessary information only.	PG
1.	Fail-safe control	L
	• When CAN communication with other control units is impossible, IPDM E/R performs fail-safe control. After CAN communication recovers normally, 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
	• With the ignition switch ON, the headlamp (low) is ON.
Headlamp	• With the ignition switch OFF, the headlamp (low) is OFF.
	• With the ignition switch ON, the tail and parking lamps is ON.
Tail and parking lamps	• With the ignition switch OFF, the tail and parking lamps is OFF.
Os slin a fan	With the ignition switch ON, the cooling fan HI operates.
Cooling fan	• With the ignition switch OFF, the cooling fan stops.
Front wiper	Until the ignition switch is turned off, the front wiper LO and HI remains in the same status it was in just before fail-safe control was initiated.
Rear window defogger	Rear window defogger relay OFF
A/C compressor	A/C compressor OFF
Front fog lamps	Front fog lamp relay OFF

Μ

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 3 seconds have elapsed after CAN communication with other control units is stopped, mode switches to sleep status.
- 3. Sleep status
 - IPDM E/R operates in low power mode.
 - CAN communication is stopped.
 - When a change in CAN communication line is detected, mode switches to CAN communication status.
 - When a change hood switch or ignition switch signal is detected, mode switches to CAN communication status.

CAN Communication System Description

CAN (Controller Area Network) is a serial communication line for real time application. It is an on-vehicle multiplex communication line with high data communication speed and excellent error detection ability. Modern vehicles are equipped with many electronic control units and each control unit shares information and links with other control units during operation (not independent). In CAN communication, control units are connected with 2 communication lines (CAN H line, CAN L line) allowing a high rate of information transmission with less wiring. Each control unit transmits/receives data but selectively reads required data only.

CAN Communication Unit

Refer to LAN-4, "CAN Communication Unit" .

Function of Detecting Ignition Relay Malfunction

- When contact point of integrated ignition relay is stuck and cannot be turned OFF, IPDM E/R turns ON tail and parking lamps for 10 minutes to indicate ignition relay malfunction.
- When a state of ignition relay having built-in does not agree with a state of Ignition switch signal input by a CAN communication from BCM, IPDM E/R lets tail lamp relay operate.

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.

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AKS00A39

AKS00A38

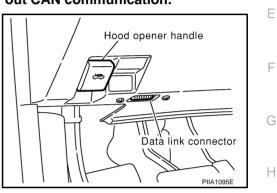
CONSULT-II Function (IP	DM E/R)	AKS00A3B	
CONSULT-II can display each dia	gnostic item using the diagnostic test modes shown following.		-
Inspection Item, Diagnosis Mode	Description		
SELF-DIAG RESULTS	The IPDM E/R performs diagnosis of the CAN communication and self-diagnosis.		E
DATA MONITOR	The input/output data of the IPDM E/R is displayed in real time.		
CAN DIAG SUPPORT MNTR	The result of transmit/receive diagnosis of CAN communication can be read.		
ACTIVE TEST	The IPDM E/R sends a drive signal to electronic components to check their operation	on.	(

CONSULT-II BASIC OPERATION

CAUTION:

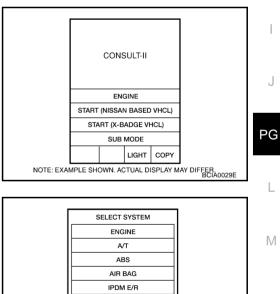
If CONSULT-II is used with no connection of CONSULT-II CONVERTER, malfunctions might be detected in self-diagnosis depending on control unit which carry out CAN communication.

With the ignition switch OFF, connect CONSULT-II and CON-1. SULT-II CONVERTER to the data link connector, then turn the ignition switch ON.



D

2. Touch "START (NISSAN BASED VHCL)".

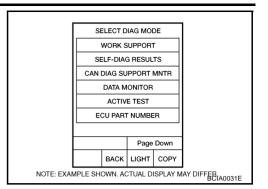


BCM

Page Down BACK LIGHT COPY NOTE: EXAMPLE SHOWN. ACTUAL DISPLAY MAY DIFFER

- Touch "IPDM E/R" on "SELECT SYSTEM" screen. 3.
 - If "IPDM E/R" is not indicated, refer to GI-38, "CONSULT-II Data Link Connector (DLC) Circuit" .

4. Select the desired part to be diagnosed on the "SELECT DIAG MODE" screen.



SELF-DIAG RESULTS

Operation Procedure

- 1. Touch "SELF-DIAG RESULTS" on "SELECT DIAG MODE" screen.
- 2. Check display content in self-diagnostic results.

Display Item List

Display Items	CONSULT-II	T-II Malfunction detecting condition		ME	– Possible causes	
	display code	Manufactor detecting condition	CRNT	PAST		
NO DTC IS DETECTED.FURTHER TESTING MAY BE REQUIRED.	-	-	-	-	-	
CAN COMM CIRC	U1000	 If CAN communication reception/transmission data has a malfunction, or if any of the control units malfunction, data reception/ transmission cannot be confirmed. When the data in CAN communication is not received before the specified time 	×	×	Any of or several items 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 memorized with IPDM E/R

DATA MONITOR

Operation Procedure

- 1. Touch "DATA MONITOR" on "SELECT MONITOR ITEM " screen.
- 2. Touch "ALL SIGNALS", "MAIN SIGNALS" or "SELECTION FROM MENU" on the "DATA MONITOR" screen.

ALL SIGNALS	All items will be monitored.
MAIN SIGNALS	Monitor the predetermined item.
SELECTION FROM MENU	Select any item for monitoring.

3. Touch the required monitoring item on "SELECTION FROM MENU". In "ALL SIGNALS", all items are monitored. In "MAIN SIGNALS", predetermined items are monitored.

4. Touch "START".

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 screen		Mo	onitor item s	election		
Item name	display	Display or unit	ALL SIGNALS	MAIN SIGNALS	SELECTION FROM MENU	Description	
Motor fan request	MOTOR FAN REQ	1/2/3/4	×	×	×	Signal status input from ECM	C
Compressor request	AC COMP REQ	ON/OFF	×	×	×	Signal status input from ECM	
Tail & clearance request	TAIL&CLR REQ	ON/OFF	×	×	×	Signal status input from BCM	ŀ
H/L LO request	HL LO REQ	ON/OFF	×	×	×	Signal status input from BCM	
H/L HI request	HL HI REQ	ON/OFF	×	×	×	Signal status input from BCM	
FR fog request	FR FOG REQ	ON/OFF	×	×	×	Signal status input from BCM	
H/L washer request	HL WASHER REQ ^{*1}	OFF	×		×	—	,
FR wiper request	FR WIP REQ	STOP/LOW/HI	×	×	×	Signal status input from BCM	
Wiper auto stop	WIP AUTO STOP	ACT P/STOP P	×	×	×	Output status of IPDM E/R	P
Wiper protection	WIP PROT	OFF/BLOCK	×	×	×	Control status of IPDM E/R	
Starter request	ST RLY REQ ^{*1}	ON	×		×	—	L
Ignition relay sta- tus	IGN RLY	ON/OFF	×	×	×	Ignition relay status monitored with IPDM E/R	
Rear window defogger request	RR DEF REQ	ON/OFF	×	×	×	Signal status input from BCM	N
Oil pressure switch	OIL P SW	OPEN/CLOSE	×		×	Signal status input in IPDM E/R	
DTRL request	DTRL REQ ^{*1}	ON/OFF	×		×	_	
Hood switch	HOOD SW	ON/OFF	×		×	Input signal status	
Theft warning horn request	THFT HRN REQ	ON/OFF	×		×	Signal status input from BCM	
Horn chirp	HORN CHIRP	ON/OFF	×		×	Output status of IPDM E/R	

NOTE:

Perform monitoring of IPDM E/R data with the ignition switch ON. When the ignition switch is at ACC, the display may not be correct.

• *1: This item is displayed, but does not function.

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ACTIVE TEST

Operation Procedure

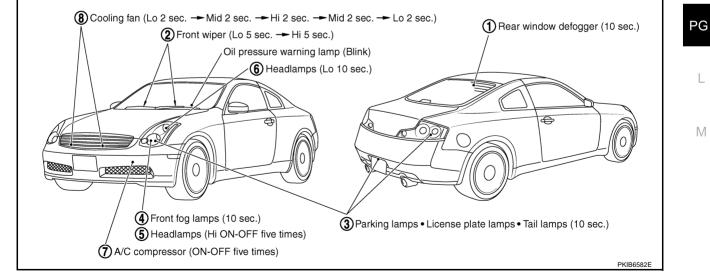
- 1. Touch "ACTIVE TEST" on "SELECT DIAG MODE" screen.
- 2. Touch item to be tested.
- 3. Touch "START", and confirm its operation.
- 4. Touch "STOP" while testing to stop the operation.

Test item	CONSULT-II screen display	Description
Tail lamp operation	TAIL LAMP	With a certain ON-OFF operation, the tail lamp relay can be oper- ated.
Rear window defogger opera- tion	REAR DEFOGGER	With a certain ON-OFF operation, the rear window defogger relay can be operated.
Front wiper (HI, LO) operation	FRONT WIPER	With a certain operation (OFF, HI ON, LO ON), the front wiper relay (Lo, Hi) can be operated.
Cooling fan operation	MOTOR FAN	With a certain operation (1, 2, 3, 4), the cooling fan can be operated.
Headlamp washer operation	HEAD LAMP WASHERNOTE	
Lamp (HI, LO, FOG) operation	LAMPS	With a certain operation (OFF, HI ON, LO ON, FOG ON), the lamp relay (Lo, Hi, Fog) can be operated.
Horn operation	HORN	Push "ON" button, horn relay operates 20ms.

NOTE:

This item is displayed, but cannot be tested.

-	Ito Active Test AKSODAGC	А
•	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	В
-	Front wipers	
-	Tail lamps, parking lamps and licese plate lamps	0
-	Front fog lamps	С
-	Headlamps (Hi, Lo)	
-	A/C compressor (magnetic clutch)	D
-	Cooling fan	
OP	ERATION PROCEDURE	
1.	Close hood and front door (passenger side) and then lift wiper arms away from windshield (to prevent glass damage by wiper operation).	E
	NOTE: When auto active test is performed with hood opened, sprinkle water on windshield beforehand.	F
2.	Turn ignition switch OFF.	
3.	Turn ignition switch ON, and within 20 seconds, press drivers door switch 10 times (close other door). Then turn ignition switch OFF.	G
4.	Turn ignition switch ON within 10 seconds after ignition switch OFF.	
5.	When auto active test mode is actuated, horn chirps once. Oil pressure warning lamp starts blinking.	
6.	After a series of operations is repeated three times, auto active test is completed.	Н
	NOTE:	
	When auto active test mode has to be cancelled halfway, turn ignition switch OFF.	
	CAUTION: Be sure to inspect <u>BL-34, "Check Door Switch"</u> when the auto active test cannot be performed.	
INS	SPECTION IN AUTO ACTIVE TEST MODE	J
•	When auto active test mode is actuated, the following eight steps are repeated three times.	0

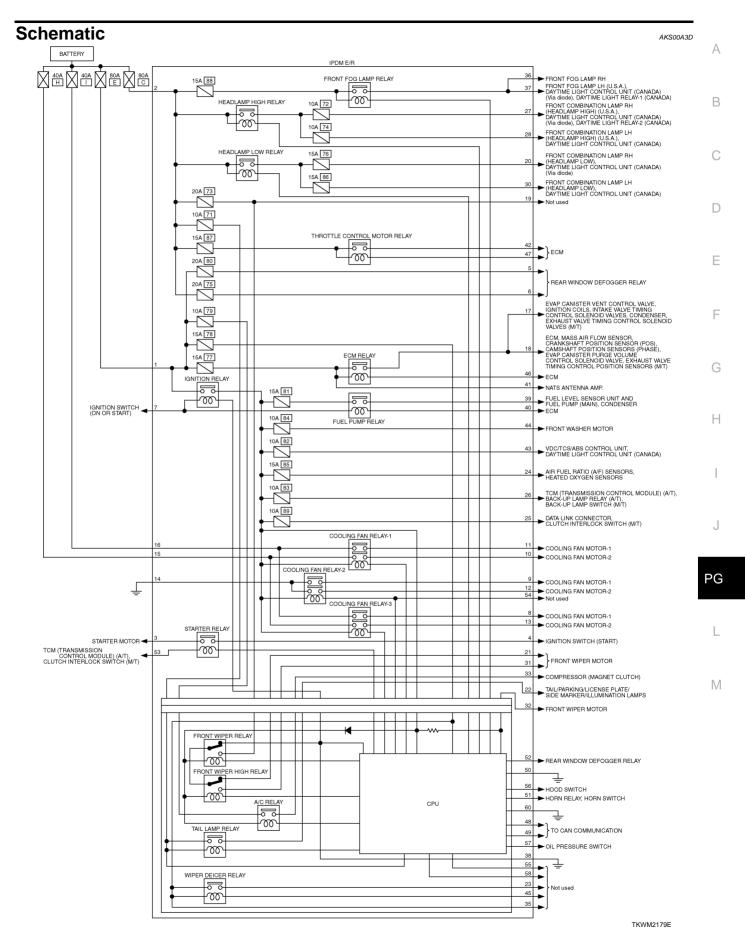


Concept of Auto Active Test

- 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 systems controlled by IPDM E/R cannot be operated, possible cause can be easily diagnosed using auto active test.

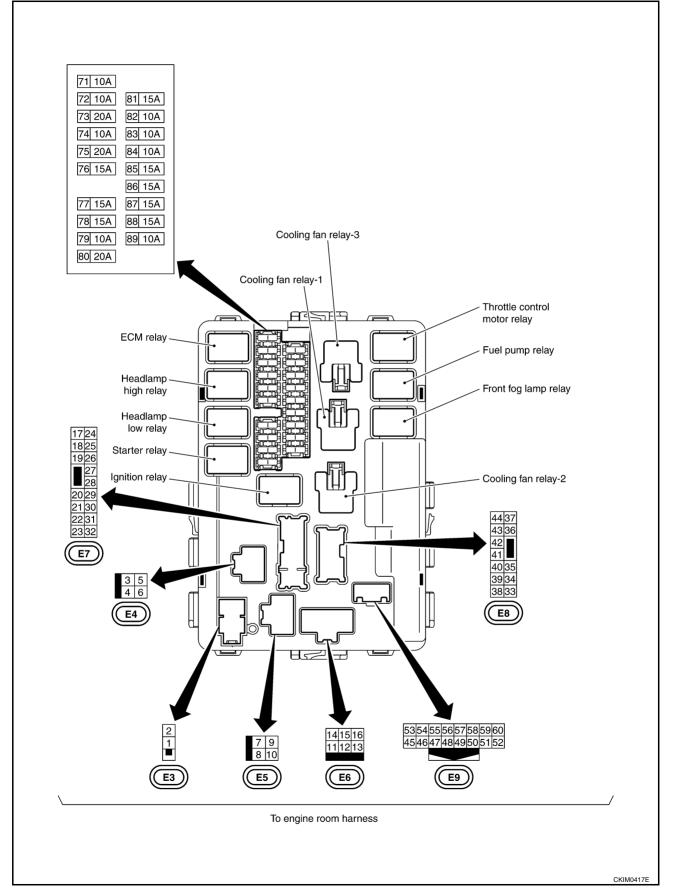
Diagnosis chart in auto active test mode

Symptom	Inspection conter	nts	Possible cause			
		YES	BCM signal input circuit malfunction			
Rear window defogger does not operate.	Perform auto active test. Does rear win- dow defogger oper- ate?	NO	 Rear window defogger relay malfunction Harness/connector malfunction between IPDM E/R and rear window defogger relay Open circuit of rear window defogger IPDM E/R malfunction 			
		YES	BCM signal input system malfunction			
Any of front wipers, tail and parking lamps, front fog lamps, and head lamps (Hi, Lo) do not operate.	Perform auto active test. Does system in question operate?	NO	 Lamp/wiper motor malfunction Lamp/wiper motor ground circuit malfunction Harness/connector malfunction between IPDM E/R and system in question IPDM E/R (integrated relay) malfunction 			
A/C compressor does not operate.	Perform auto active test. Does magnetic clutch operate?	YES	 BCM signal input circuit malfunction CAN communication signal between BCM and ECM. CAN communication signal between ECM and IPDM E/R 			
		NO	 Magnetic clutch malfunction Harness/connector malfunction between IPDM E/R and magnetic clutch IPDM E/R (integrated relay) malfunction 			
Ossilas (as dass ast	Perform auto active	YES	 ECM signal input circuit CAN communication signal between ECM and IPDM E/R 			
Cooling fan does not operate.	test. Does cooling fan operate?	NO	 Cooling fan motor malfunction Harness/connector malfunction between IPDM E/R and cooling fan motor IPDM E/R (integrated relay) malfunction 			
Oil pressure warning lamp does not operate.	Perform auto active test. Does oil pres- sure warning lamp	YES	 Harness/connector malfunction between IPDM E/R and oil pressure switch Oil pressure switch malfunction IPDM E/R malfunction 			
	blink?	NO	 CAN communication signal between IPDM E/R and combination meter Combination meter 			



IPDM E/R Terminal Arrangement





Edition: 2004 September

IPDM E/R Power/Ground Circuit Inspection 1. CHECK FUSE AND FUSIBLE LINK			
Make sure the following fusible link	s or IPDM E/R fuses are not blown	l.	-
Terminal No.	Power source	Fuse, fusible link No.	B
1, 2	Battery power	С	-
		E	C
		71	
		78	-
OK or NG			D

OK >> GO TO 2.

NG >> If fuse or fusible link is blown, be sure to eliminate cause of malfunction before installing new one.

2. CHECK POWER SUPPLY CIRCUIT

- 1. Turn ignition switch OFF.
- 2. Disconnect IPDM E/R harness connector E3.
- 3. Check voltage between IPDM E/R harness connector E3 terminals 1 (W/R), 2 (W/L) and ground.

: Battery voltage

1, 2 – Ground

OK or NG

OK >> GO TO 3.

NG >> Replace IPDM E/R power supply circuit harness.

3. CHECK GROUND CIRCUIT

- 1. Disconnect IPDM E/R harness connectors E8 and E9.
- 2. Check continuity between IPDM E/R harness connectors E8 terminal 38 (B), E9 terminal 50 (B), 60 (B) and ground.

38, 50, 60 - Ground

: Continuity should exist.

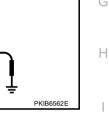
PG-27

OK or NG

- OK >> INSPECTION END
- NG >> Replace ground circuit harness of IPDM E/R.



SKIA6184E



IPDM E/R connector

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IPDM E/R connector

H.S.

IPDM E/R connector

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Inspection With CONSULT-II (Self-Diagnosis)

CAUTION:

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

1. CHECK SELF DIAGNOSTIC RESULT

- 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.
- 3. Check display content in self diagnostic results.

CONSULT-II display	CONSULT-II	TIME		Details of diagnosis result
	display code	CRNT	PAST	
NO DTC IS DETECTED. FURTHER TESTING MAY BE REQUIRED.	-	-	-	No malfunction
CAN COMM CIRC	U1000	×	×	 Any of or several items 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 memorized with IPDM E/R

Contents displayed

NO DTC IS DETECTED.FURTHER TESTING MAY BE REQUIRED.>>INSPECTION END

CAN COMM CIRC>>After print-out of the monitor items, refer to <u>LAN-2</u>, "<u>Precautions When Using CON-</u> <u>SULT-II</u>".

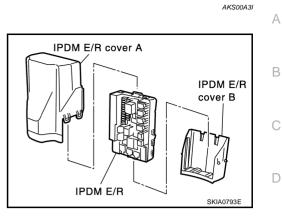
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Removal and Installation of IPDM E/R REMOVAL

1. Remove battery. Refer to <u>SC-9</u>, "<u>Removal and Installation</u>" in "Starting and Charging System (SC)" section.

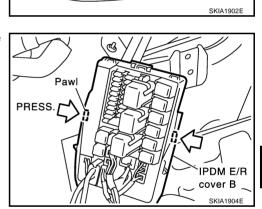
 Remove IPDM E/R cover A. While pushing pawl on backside of IPDM E/R cover B toward vehicle front to unlock, lift up IPDM E/ R.

- 3. While pushing tabs on right and left side of IPDM E/R, remove IPDM E/R cover B from IPDM E/R.
- 4. Remove harness connector from IPDM E/R.



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INSTALLATION

Installation is the reverse order of removal.

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GROUND **Ground Distribution** MAIN HARNESS

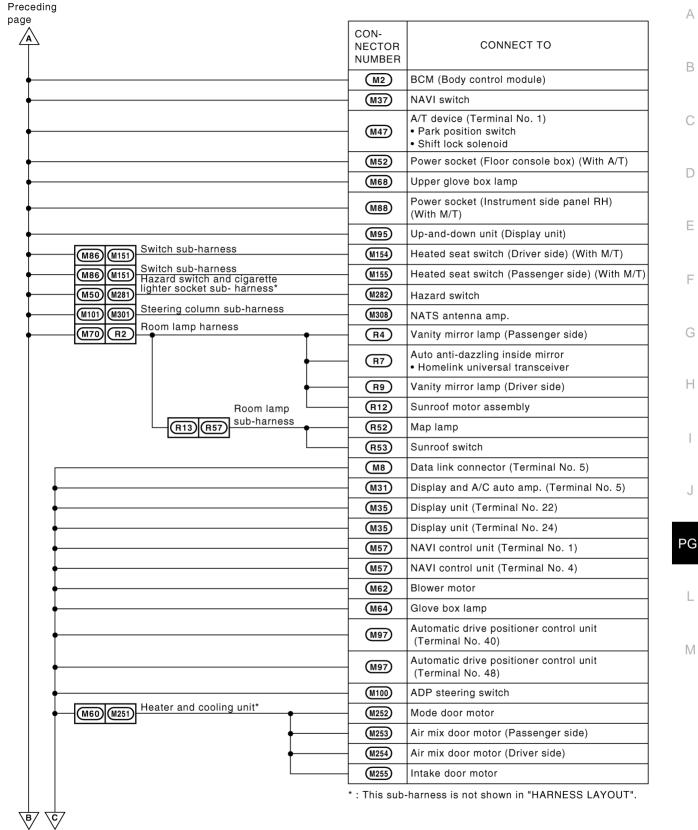
AKS003IA

View with combination Ignition key cylinder Steering shaft	CON-	CONNECT TO
Body Contraction	NECTOR NUMBER	CONNECT TO
ground	M5	Fuse block (J/B) (Terminal No.7B) • Accessory relay • Blower relay
•	M7	Illumination control switch
•	M8	Data link connector (Terminal No. 4)
•	M9	VDC off switch
•	M19	Combination meter (Terminal No. 1)
•	M19	Combination meter (Terminal No. 24)
•	M19	Combination meter (Terminal No. 25)
•	M22	Steering angle sensor
•	M28	Door mirror remote control switch
•	M29	Combination switch
•	M31	Display and A/C auto amp. (Terminal No. 24)
•	M38	A/C and audio controller
• • • • • • • • • • • • • • • • • • •	M47	A/T device (Terminal No. 9) • Mode select switch
	(M53)	Heated seat switch (Passenger side) (With A/T)
		Heated seat switch (Driver side) (With A/T)
	(M55)	Air bag diagnosis sensor unit
•	(M81)	Compass
	- <u>(M84)</u>	Trunk lid opener switch
• • • • • • • • • • • • • • • • • • •	 	Heated seat relay
	 	VDC/TCS/ABS control unit (Terminal No. 28)
Hazard switch and cigarette	 	VDC/TCS/ABS control unit (Terminal No. 29)
M50 (M281)		Cigarette lighter socket
		Cigarette lighter socket illumination
		Ashtray illumination
M12B1 Body harness	- (B27)	Fuel level sensor unit and fuel pump (Terminal No. 5) • Fuel level sensor (Main) • Fuel tank temperature sensor
M11) D1 Driver door harness	D2	Door mirror (Driver side)
		Door mirror defogger Power window main switch
	07	 CPU Power window lock switch Door lock and unlock switch Illumination
Next	D15	Driver side door lock assembly • Door key cylinder switch

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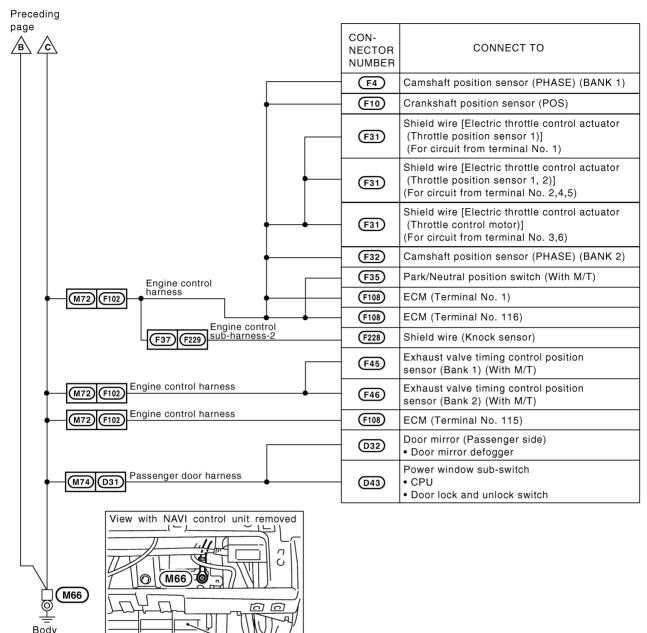
*: This sub-harness is not shown in "HARNESS LAYOUT".

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CKIM0434E



Body ground

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Blower motor

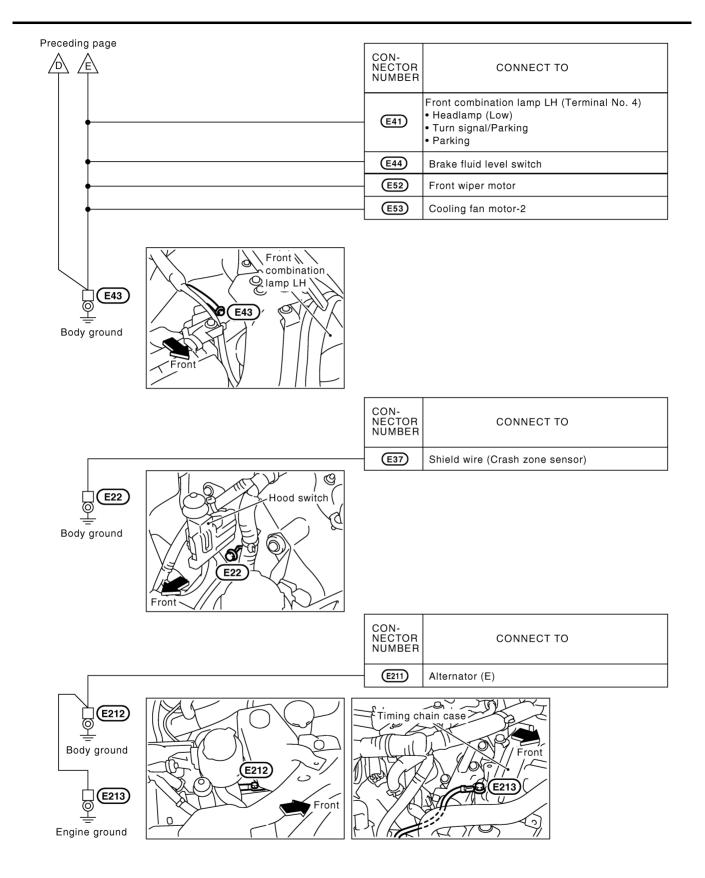
CKIM0435E

ENGINE ROOM HARNESS

E17		
Body ground Front	CON- NECTOR NUMBER	CONNECT TO
	E6	IPDM E/R (Intelligent power distribution module engine room) (Terminal No. 14)
	E14	Daytime light relay-1
	E16	Daytime light relay-2
	E24	Front combination lamp RH (Terminal No. 4) • Headlamp (Low) • Turn signal/Parking • Parking
	E26	Daytime light control unit
	E30	Washer level sensor
	E41)	Front combination lamp LH (Terminal No. 8) (For U.S.A.) • Headlamp (High) • Fog
	CON- NECTOR NUMBER	CONNECT TO
E108 M15 Main harness	NECTOR	CONNECT TO Display and A/C auto amp. (Terminal No. 36) (For Canada)
E108 M15 Main harness	NECTOR NUMBER	Display and A/C auto amp.
E108 M15 Main harness	NECTOR NUMBER	Display and A/C auto amp. (Terminal No. 36) (For Canada) IPDM E/R (Intelligent power distribution module engine
E108 M15 Main harness	M31 E8	Display and A/C auto amp. (Terminal No. 36) (For Canada) IPDM E/R (Intelligent power distribution module engine room) (Terminal No. 38) IPDM E/R (Intelligent power distribution module
E108 M15 Main harness	M31 E8 E9	Display and A/C auto amp. (Terminal No. 36) (For Canada) IPDM E/R (Intelligent power distribution module engine room) (Terminal No. 38) IPDM E/R (Intelligent power distribution module engine room) (Terminal No. 50) IPDM E/R (Intelligent power distribution module engine
E108 M15 Main harness	NECTOR NUMBER (M31) (E8) (E9) (E9)	Display and A/C auto amp. (Terminal No. 36) (For Canada) IPDM E/R (Intelligent power distribution module engine room) (Terminal No. 38) IPDM E/R (Intelligent power distribution module engine room) (Terminal No. 50) IPDM E/R (Intelligent power distribution module engine room) (Terminal No. 60)
E108 M15 Main harness	NECTOR NUMBER (M31) (E8) (E9) (E9) (E9) (E23)	Display and A/C auto amp. (Terminal No. 36) (For Canada) IPDM E/R (Intelligent power distribution module engine room) (Terminal No. 38) IPDM E/R (Intelligent power distribution module engine room) (Terminal No. 50) IPDM E/R (Intelligent power distribution module engine room) (Terminal No. 60) Hood switch Front combination lamp RH (Terminal No. 8) • Headlamp (High)
E108 M15 Main harness	NECTOR NUMBER (M31) (E8) (E9) (E9) (E23) (E24)	Display and A/C auto amp. (Terminal No. 36) (For Canada) IPDM E/R (Intelligent power distribution module engine room) (Terminal No. 38) IPDM E/R (Intelligent power distribution module engine room) (Terminal No. 50) IPDM E/R (Intelligent power distribution module engine room) (Terminal No. 60) Hood switch Front combination lamp RH (Terminal No. 8) • Headlamp (High) • Fog
E108 M15 Main harness	NECTOR NUMBER (M31) (E8) (E9) (E9) (E9) (E23) (E24) (E28)	Display and A/C auto amp. (Terminal No. 36) (For Canada) IPDM E/R (Intelligent power distribution module engine room) (Terminal No. 38) IPDM E/R (Intelligent power distribution module engine room) (Terminal No. 50) IPDM E/R (Intelligent power distribution module engine room) (Terminal No. 60) Hood switch Front combination lamp RH (Terminal No. 8) • Headlamp (High) • Fog Front side marker lamp RH
E108 M15 Main harness	NECTOR NUMBER (M31) (E8) (E9) (E9) (E23) (E24) (E28) (E28) (E28) (E33)	Display and A/C auto amp. (Terminal No. 36) (For Canada) IPDM E/R (Intelligent power distribution module engine room) (Terminal No. 38) IPDM E/R (Intelligent power distribution module engine room) (Terminal No. 50) IPDM E/R (Intelligent power distribution module engine room) (Terminal No. 60) Hood switch Front combination lamp RH (Terminal No. 8) • Headlamp (High) • Fog Front side marker lamp RH Horn (Low)

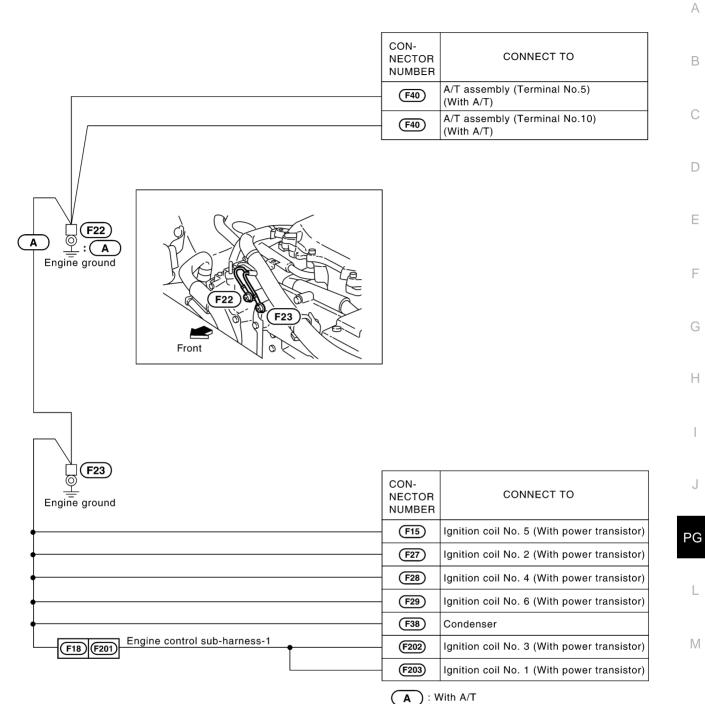
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CKIM0436E



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ENGINE CONTROL HARNESS



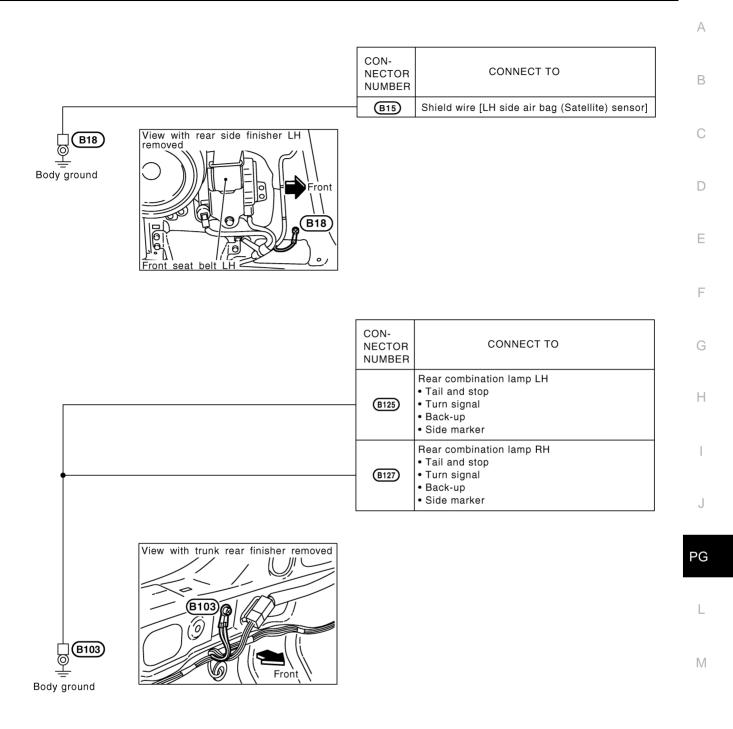
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BODY HARNESS

B5 Body ground		
	CON- NECTOR NUMBER	CONNECT TO
B6 B321 Power seat sub-harness (Driver side)*	B324	Driver side seat control unit
↓ <u> </u>	B326	Power seat switch (Sliding switch) (Driver side)
	B332	Seat cushion heater (Driver side)
	* : This sub	-harness is not shown in "HARNESS LAYOUT".
	CON- NECTOR NUMBER	CONNECT TO
	B8	Seat belt buckle switch (Driver side)
•	B27	Fuel level sensor unit and fuel pump (Terminal No. 3) • Fuel pump
•	B42	Condenser
•	B116	High-mounted stop lamp (On the rear parcel shelf)
	B123	BOSE speaker amp.
B126 B151 License plate sub-harness	B152	License plate lamp LH
	B153	License plate lamp RH
Body ground Rear seat belt LH		

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GROUND



CKIM0439E

GROUND

BODY NO. 2 HARNESS

Body ground CONTRECT TO Body ground CONTRECT TO Body ground General Sub-hamess (Passenger side)* General Sub-hamess (Passenger side)* General Sub-hamess (Passenger side) General Sub-hamess (Passenger side)* General Sub-hamess (Passenger side) General Sub-hamess General Sub-hamess* General Sub-hamess General Sub-hamess* General Sub-hamess General Sub-hamess* General Sub-hamess General Sub-hamess* General Sub-hamess Contract Sub-hamess General Sub-hamess<	Floor side RH		
Power seat sub-harness (Passenger side)*	Body ground	NECTOR	CONNECT TO
(B30) Passenger side seat control unit (B30) Passenger side seat control unit (B30) Power seat switch (Sliding switch) (Passenger side) (B30) Occupant classification system sub-harness* (B30) Occupant classification system sub-harness* (B30) Occupant classification system sub-harness* (B30) Occupant classification system control unit (B410) CON- NUMBER (B419) Trunk lid opener actuator (B420) Trunk Room lamp switch (B421) (In the rear air spoiler) (B413) (In the rear side finisher RH removed (B413) (In the rear seat beit RH (CON- NECTOR CONNECT TO	•	B406	Seat belt buckle switch (Passenger side)
(Passenger side) (Passenger s	B405 B501 Power seat sub-harness (Passenger side)*	(B502)	Passenger side seat control unit
Bit Convertion Convertion Convertion <		B 503	
B822 B83 CON- NECTOR NUMBER CON- NECTOR NUMBER G819 Trunk lid opener actuator B420 Trunk Room lamp switch B421 High-mounted stop lamp (In the rear air spoiler) View with rear side finisher RH removed RH removed Front Gaing Body ground Rear seat beit RH		B 505	Seat cushion heater (Passenger side)
NECTOR CONNECT TO B419 Trunk lid opener actuator B420 Trunk Room lamp switch B421 High-mounted stop lamp (In the rear air spoiler) View with rear side finisher RH removed View with rear side finisher RH removed Front CON- Bed13 E413 Rear seat belt RH	B422 B581 Uccupant classification system sub-harness*	(B582)	Occupant classification system control unit
NECTOR CONNECT TO B419 Trunk lid opener actuator B420 Trunk Room lamp switch B421 High-mounted stop lamp (In the rear air spoiler) View with rear side finisher RH removed View with rear side finisher RH removed Front CON- Bed13 E413 Rear seat belt RH]
B413 Front Bear seat Body ground Rear seat belt RH		NECTOR	CONNECT TO
B413 Bear seat belt RH Body ground CON-NECT TO		B 419	Trunk lid opener actuator
B413 Body ground	•	(B420)	Trunk Room lamp switch
Body ground CON- NECTOR CONNECT TO	•	(B421)	High-mounted stop lamp (In the rear air spoiler)
CON- NECTOR NUMBER	Body ground		
		CON- NECTOR NUMBER	CONNECT TO

* : This sub-harness is not shown in "HARNESS LAYOUT".

Shield wire [RH side air bag (Satellite) sensor]

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(B407)

Fror

(B407

Body ground

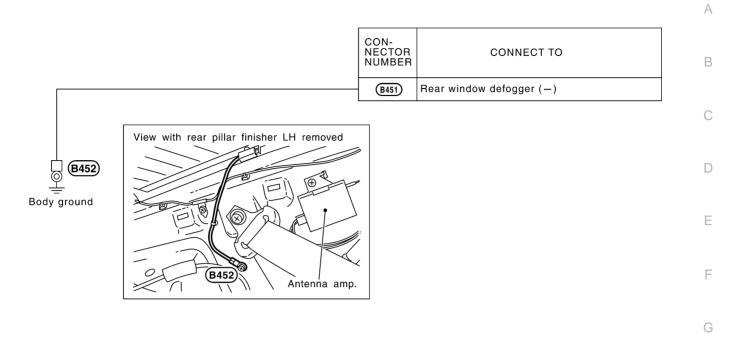
RH

seat belt

Front

View with rear side finisher RH removed (B409)

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Harness Layout HOW TO READ HARNESS LAYOUT

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

- Main Harness
- Engine Room Harness (Engine Compartment)
- Engine Control Harness
- Body Harness (Passenger Compartment)
- Body No. 2 Harness

Example:
G2 E1 B/6 : ASCD ACTUATOR
Connector color/Cavity
Connector number
l Grid reference
SEI 353V

To Use the Grid Reference

- 1. Find the desired connector number on the connector list.
- 2. Find the grid reference.
- 3. On the figure, 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 in the below.

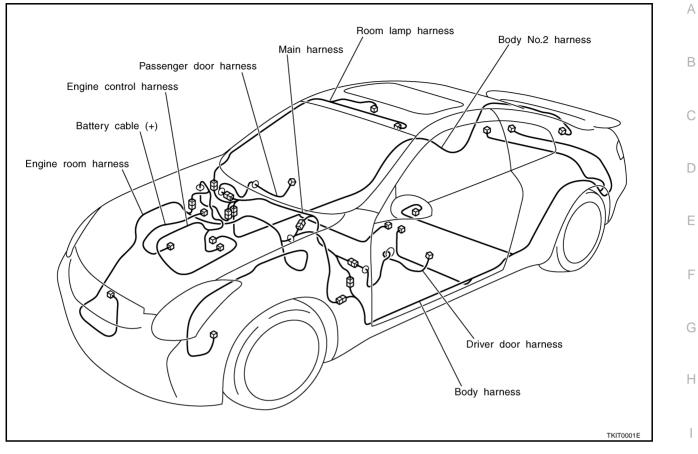
Connector type	Water proof type		Standard type	
	Male	Female	Male	Female
Cavity: Less than 4 Relay connector	Ø	6	Ø	
Cavity: From 5 to 8				
Cavity: More than 9	\bigcirc	\bigcirc		\diamond
Ground terminal etc.				SP SP

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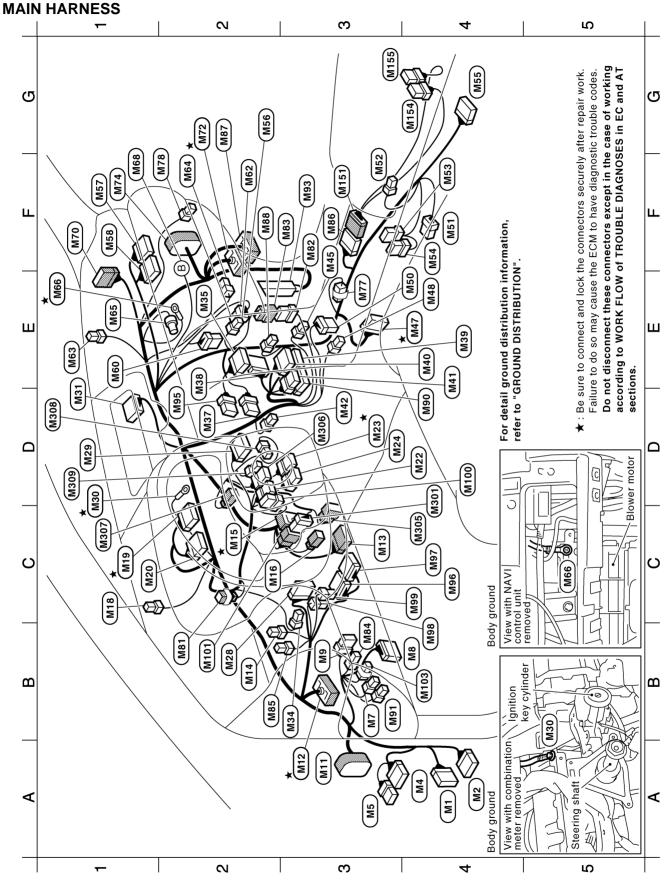




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M1 W/40 :	E4 (M50) W/8		(TM)	•••
		IIGIILEE SOCKEL		• •
\sim	F3 (M52) B/6	o : Yaw rate/slde G sensor 2 : Power socket	F3 (M82) GY/6	. Compass 5 : To (M83) (With navigation system)
M7 W/3 :)		M83	••
B4 (M8) W/16 : Data link connector	F4 (M53) BR/6	/6 : Heated seat switch	B3 (M84) W/4	•••
M9 GY/6 : VDC		(Passenger side)	B2 (M85) L/4	••
(M11) SMJ : To ((With A/T and heated seat)		(With heated seat)
× (M12) SMJ :	F4 M54 W/6	6 : Heated seat switch	M86	••
(M13) BR/16 :		(Driver side)	G2 (MB7) SMJ	I : To (8401)
(M14) W/2 :		(With A/T and heated seat)	F2 (M88) B/2	: Power socket
★ (M15) SMJ :	G4 (M55) Y/28	28 : Air bag diagnosis sensor unit		(Instrument side panel RH) (With M/T)
C2 (M16) Y/4 : To (E109)	G2 (M56) W/2	2 : Trunk lid opener cancel switch	2	
C1 (M18) B/2 : Sunload sensor	F1 (M57) W/24	24 : NAVI control unit	16M	••
C1 × (M19) W/40 : Combination meter		(With navigation system)	F3 (M93) SMJ	•••
C1 (M20) W/12 : Combination meter	F1 (M58) GY/24	24 : NAVI control unit	D2 (M95) GY/6	••
D4 (M22) W/8 : Steering angle sensor		(With navigation system)	(
-	ble) E1 (M60) W/6	6 : Heater and cooling unit	C4 (M96) W/32	
D3 M24 Y/6 : Combination switch (Spiral cable)	ble)	(Via sub-harness)	(
B2 (M28) W/10 : Door mirror remote control switch	vitch F2 (M62) W/6		C4 (M97) W/16	
D1 (M29) W/16 : Combination switch	M63	••	(
D1 × (M30) - : Body ground	M64)		B4 (M98) W/4	•••
D1 (M31) W/40 : Display and A/C auto amp.	M65	••	(
	★	: Body ground	C4 (M99) W/4	
E2 (M35) W/24 : Display unit		: Uppel	(
(With navigation system)			D4 (M100) GY/6	
D2 (M37) W/8 : NAVI switch	F1 (M70) W/18	÷.		
	* M72		B2 (M101) W/8	: To (M301)
E2 (M38) W/12 : A/C and audio controller)(M	2 F	B4 (M103) -/2	: Resistor
M39 W/16		2		
		igstarrow : Be sure to connect and lock the connectors securely after repair work.	e connectors secu	irelv after repair work.
M42			ECM to have dia	anostic trouble codes.
	is)	Do not disconnect these connectors except in the case of working	nectors except in	in the case of working
*		according to WORK FLOW of TROUBLE DIAGNOSES in EC and	F TROUBLE DIAG	NOSES in EC and
E4 (M48) BR/2 : A/T illumination (With A/T)		AT sections.		
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Edition: 2004 September

2005 G35 Coupe

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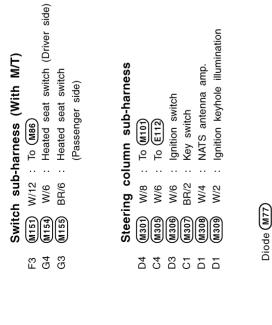
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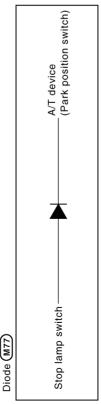
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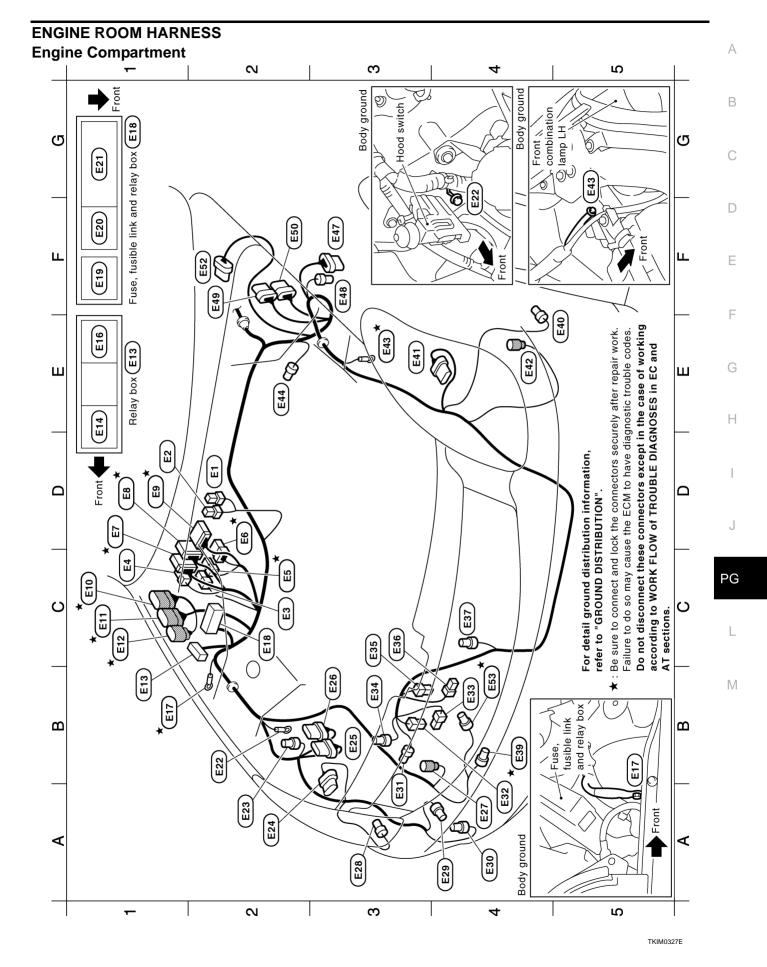
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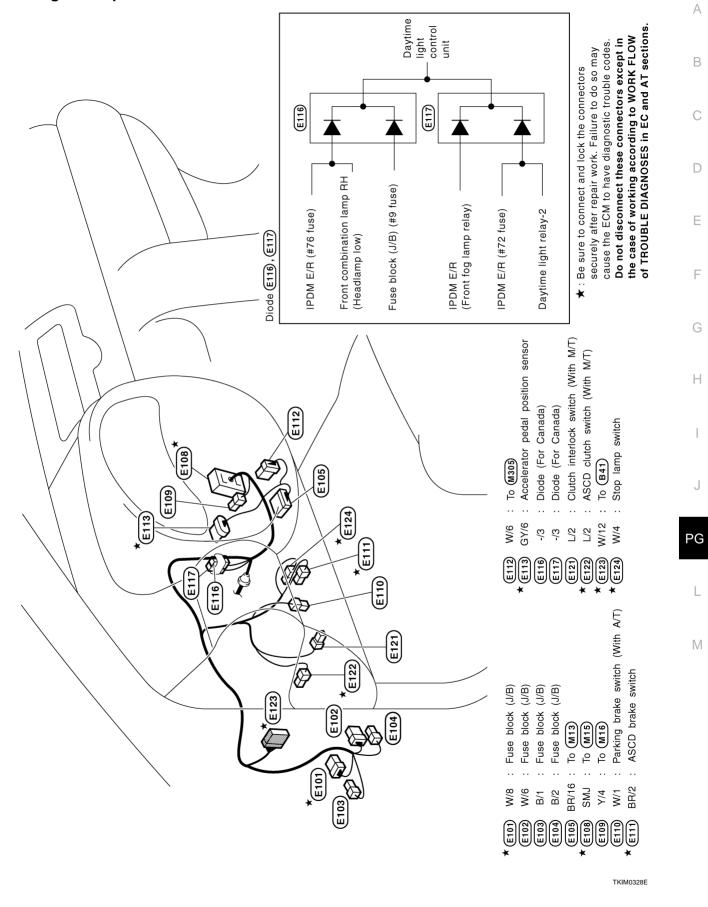
GY/8 GY/5 GY/4 GY/2 B/8 B/8 B/2 AT sections. B/2 E44 E49 E42) E43 E47 ESO E52 E53 E3 E3 ★ F2 (B4 ***** (ЕЗ БZ F2 room) room) room) IPDM E/R (Intelligent power distribution module engine room) room) IPDM E/R (Intelligent power distribution module engine room) (Intelligent power distribution module engine room) IPDM E/R (Intelligent power distribution module engine module engine engine module engine IPDM E/R (Intelligent power distribution module IPDM E/R (Intelligent power distribution IPDM E/R (Intelligent power distribution Daytime light control unit (For Canada) Daytime light control unit (For Canada) Daytime light relay-1 (For Canada) Daytime light relay-2 (For Canada) Fuse, fusible link and relay box Back-up lamp relay (With A/T) Front combination lamp RH Front side marker lamp RH Refrigerant pressure sensor Front side marker lamp LH Front combination lamp LH Fuse and fusible link block Relay box (For Canada) Front wheel sensor RH Washer level sensor Front washer motor Cooling fan motor-1 Crash zone sensor Fusible link holder Fusible link holder Ambient sensor Body ground Body ground Hood switch Horn (High) Horn (High) IPDM E/R Horn (Low) Horn (Low) Horn relay To (F2) то Е1 To F3 C1 * (GV/10 C1 * (E11) GV/10 C1 * (E12) B/8 B1 (E13) - E1 (E14) L/4 E1 (E16) L/4 DGY/2 GY/16 DGY/2 W/12 W/16 GY/9 GY/6 GY/8 GY/2 GY/2 W/6 BR/2 GΥ/4 GY/2 W/4 B/4 L/4 W/3 GY/2 B/8 L/4 B/3 B/2 B/1 B/1 B/2 B/1 B/1 Υ/2 B/8 B/2 I I E28 E29 EJ E23 E24 E31 E36 E37 E18 E22 E25 E26 E27 E30 E34 E17 E19 E20 E21 E32 E33 E35 (e (<u></u> (E Щ Т ES [2 ₽1 ***** B4 ★ _ C2 ★ D2 × (Ω D2 B4 A4 B3 Ю Ю E3 Б S ü **A**4 AЗ

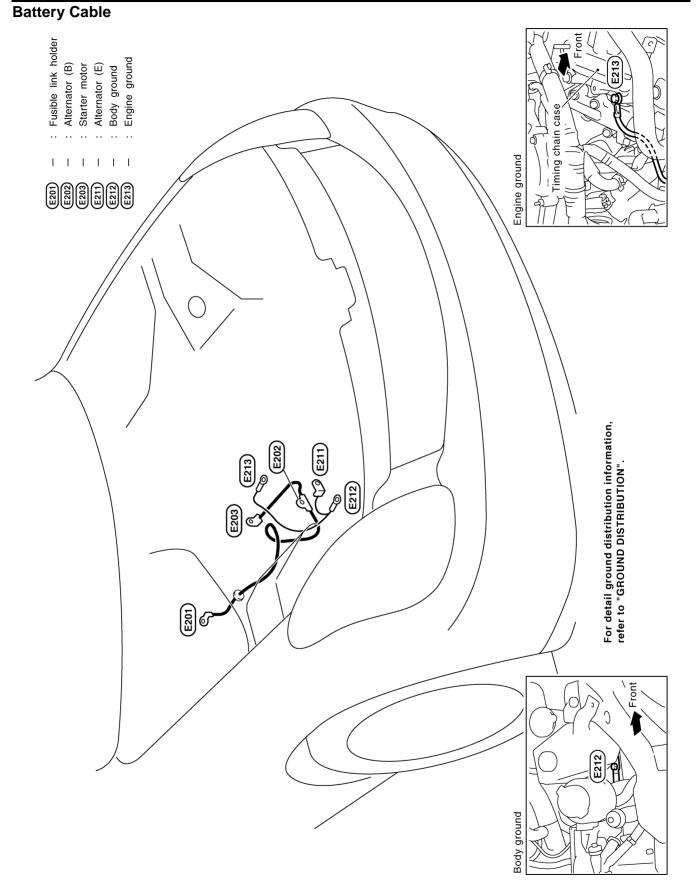
4 (E42) B/2 : Front wheel sensor LH
2 (E43) - : Body ground
2 (E44) GY/2 : Brake fluid level switch
3 (E47) B/8 : VDC relay box
3 (E49) GY/8 : VDC relay box
5 (E49) GY/8 : VDC actuator
5 (E50) B/8 : VDC actuator
5 (E52) GY/5 : Front wiper motor
4 * (E53) GY/4 : Cooling fan motor-2

★: Be sure to connect and lock the connectors securely after repair work. Failure to do so may cause the ECM to have diagnostic trouble codes. Do not disconnect these connectors except in the case of working according to WORK FLOW of TROUBLE DIAGNOSES in EC and AT sections.

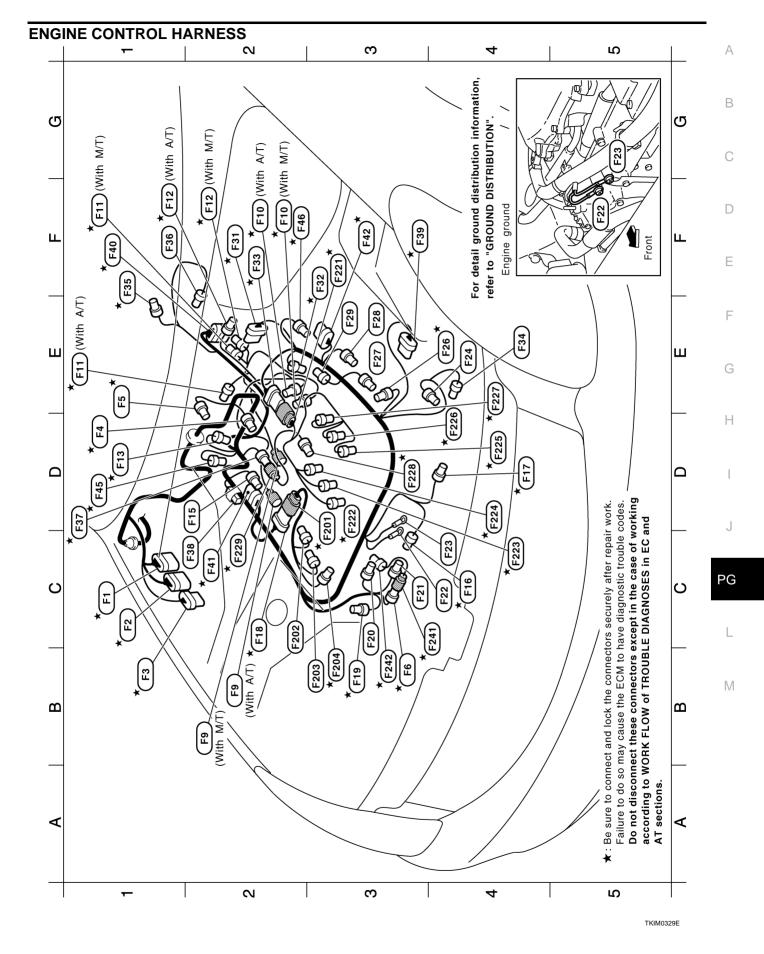
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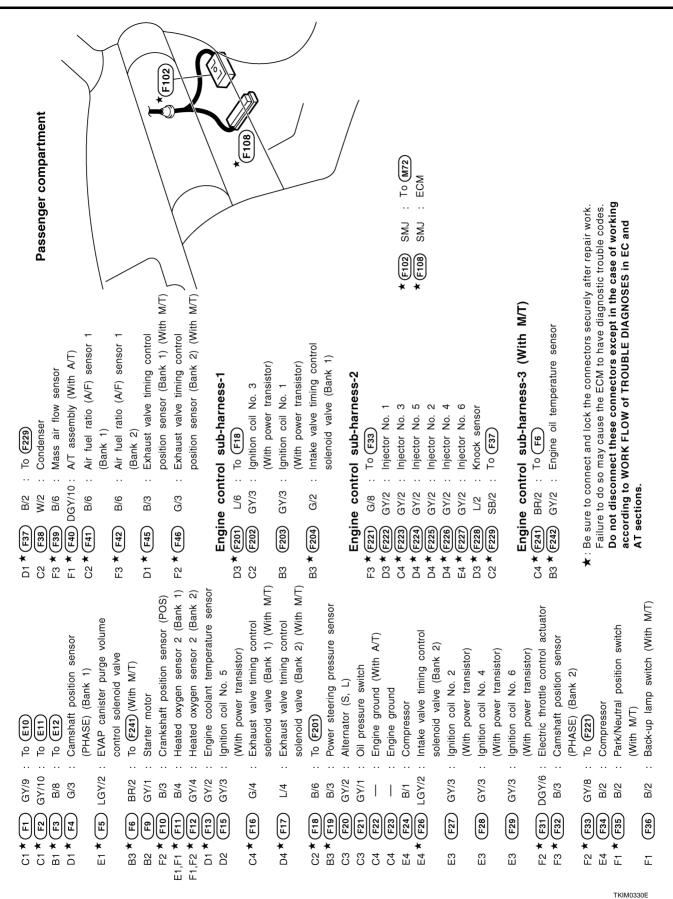
Passenger Compartment



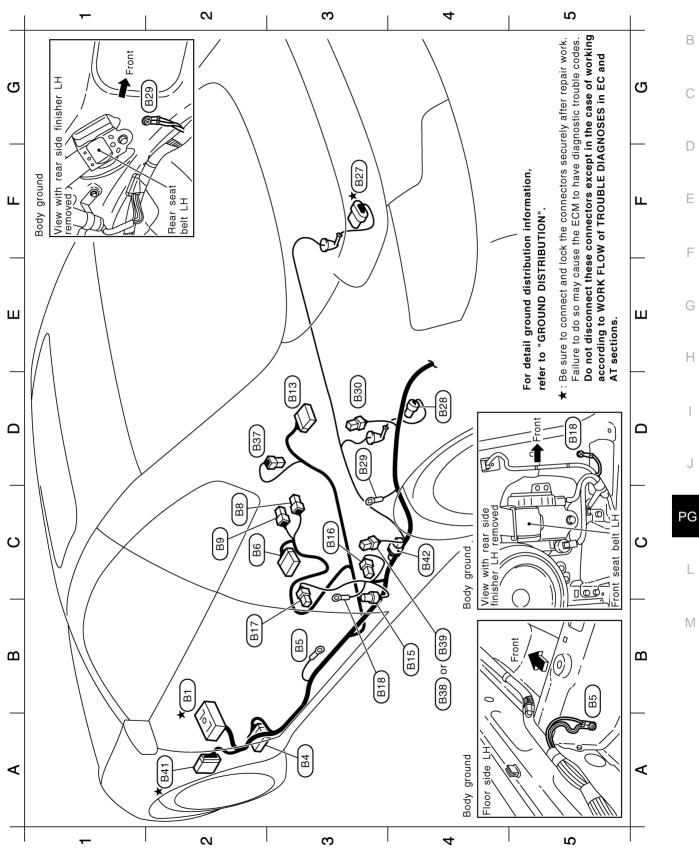


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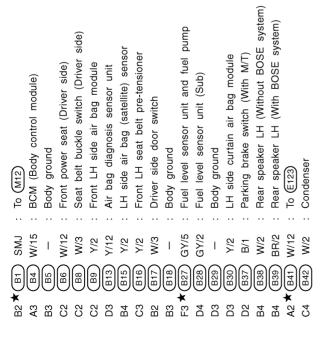
BODY HARNESS Passenger Compartment



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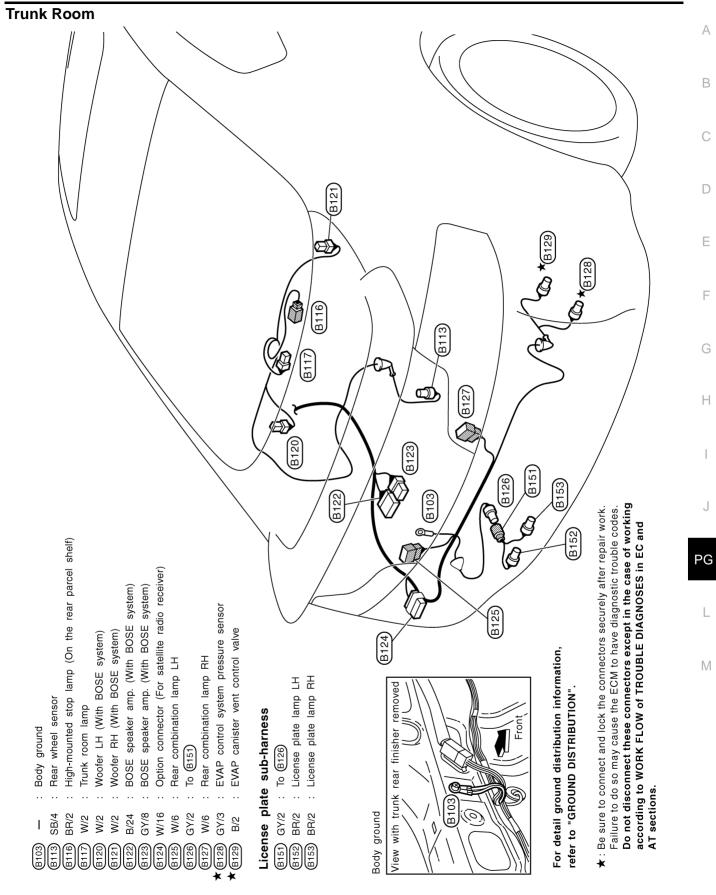
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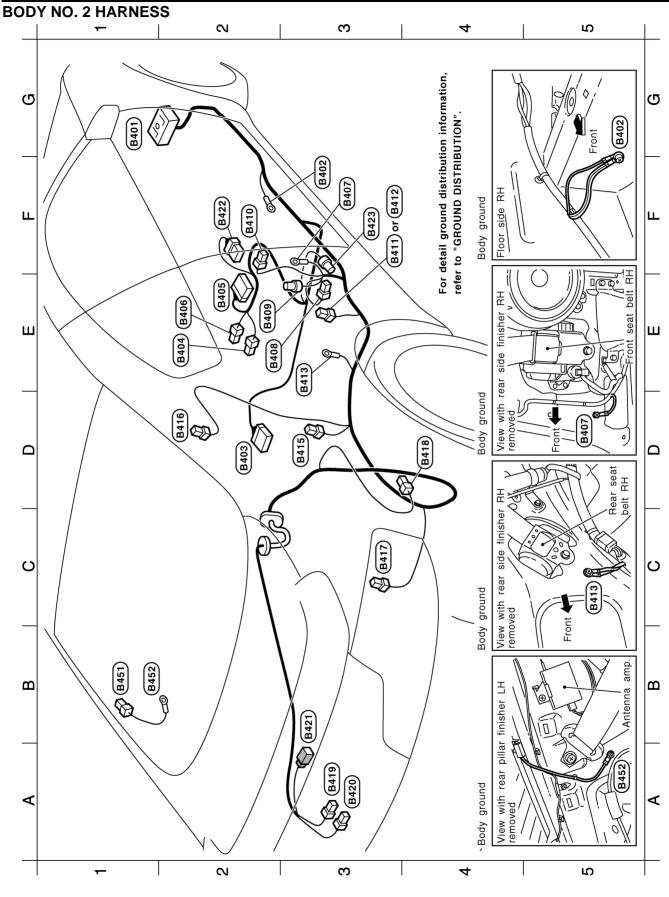
★: Be sure to connect and lock the connectors securely after repair work. Failure to do so may cause the ECM to have diagnostic trouble codes. Do not disconnect these connectors except in the case of working according to WORK FLOW of TROUBLE DIAGNOSES in EC and AT sections.

HARNESS

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TKIM0129E



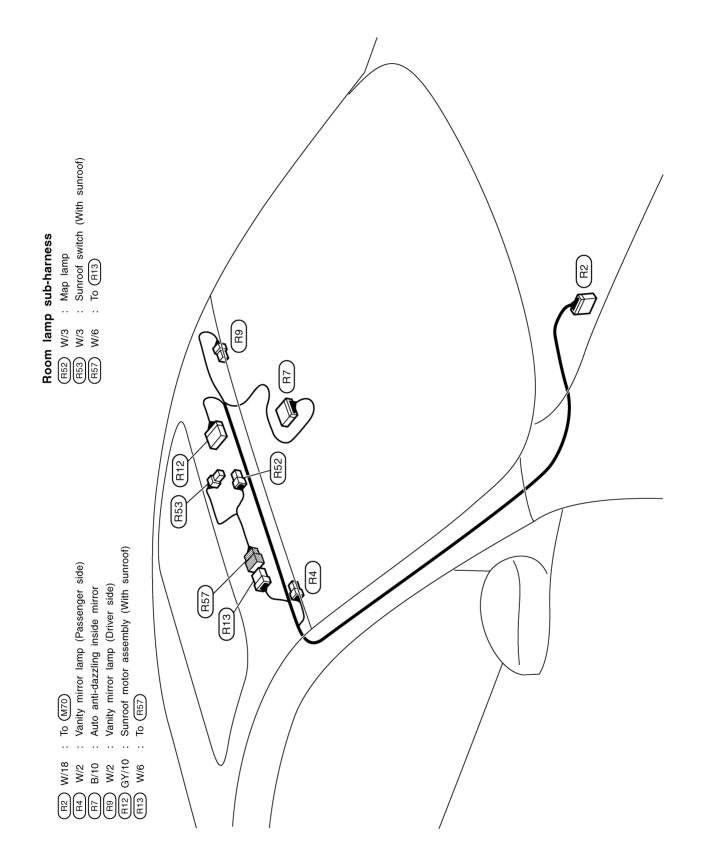
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rness Rear window defogger (-) Body ground	
B/1 : Rear y - : Body	
Body 5 (8452) (8452)	
Ξ. Ξ. Ξ.	
arness)	
∕ia sub-h≀	
To (MB) Body ground Air bag diagnosis sensor unit Front RH side air bag module Front RH side air bag module Front power seat (Passenger side) Seat belt buckle switch (Passenger side) Body ground Front RH seat belt pre-tensioner RH side air bag (satellite) sensor Passenger side door switch RH side door switch RH side curtain air bag module Condenser RH side curtain air bag module Condenser Rear window defogger relay Fuel lid lock actuator Trunk lid opener actuator Trunk lid opener actuator Turuk lopener actuator Belt tension sensor	
To (MBT) Body ground Air bag diagnosis sensor unit Front RH side air bag module Front RH side air bag module Front power seat (Passenger side) Body ground Front RH seat belt pre-tensioner RH side air bag (satellite) sensor Passenger side door switch RH side door switch RH side curtain air bag module Condenser RH side curtain air bag module Condenser Rear window defogger relay Fuel lid lock actuator Trunk lid opener actuator High-mounted stop lamp (In the rear spoi Occupant classification system control unit Belt tension sensor	
ensor un ag modu assenger itch (Pas pre-tensi vitch BOS bag moc bag moc bag moc bag moc bag moc itch In lamp (In on syste	
d de air b seat (P seat (P seat (P bag (se bag (se r RH (V r RH (V r RH (V r actuato ener act assificati sensor sensor	
To (MBT) Body ground Air bag diagnosis sensor unit Front RH side air bag module Front power seat (Passenger side) Seat belt buckle switch (Passengel Body ground Front RH seat belt pre-tensioner RH side air bag (satellite) sensor Passenger side door switch RH side air bag (satellite) sensor Passenger side door switch RH side ar bag (satellite) sensor Passenger side door switch RH side curtain air bag module Condenser RH side setuator Trunk lid opener actuator Trunk room lamp switch High-mounted stop lamp (In the re Occupant classification system con Belt tension sensor	
на с	
SMJ 	
0400 0400 0400 0410 0411 0411 0411 0411	
12 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	

TKIM0332E

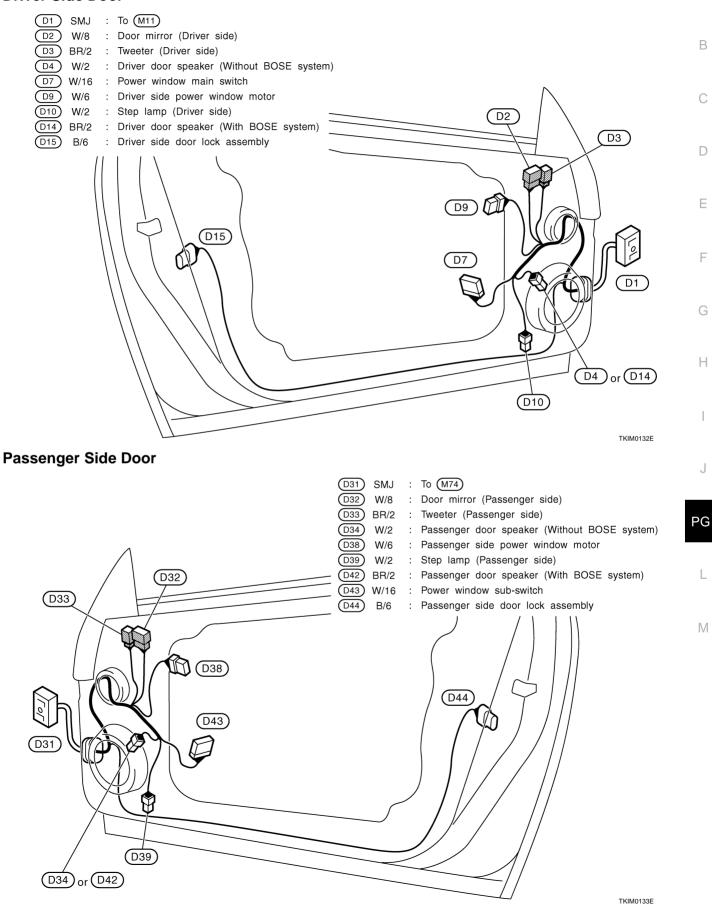
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ROOM LAMP HARNESS



TKIT0015E

DOOR HARNESS Driver Side Door



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Wiring Diagram Codes (Cell Codes)

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
A/C	ATC	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	Automatic Speed Control Device (ASCD) Brake Switch
ASC/SW	EC	Automatic Speed Control Device (ASCD) Steering Switch
ASCBOF	EC	Automatic Speed Control Device (ASCD) Brake Switch
ASCIND	EC	Automatic Speed Control Device (ASCD) Indicator
AT/IND	DI	A/T Indicator Lamp
AUDIO	AV	Audio
AUTO/L	LT	Automatic Light 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
CIGAR	WW	Cigarette Lighter
CLOCK	DI	Clock
COMBSW	LT	Combination Switch
СОММ	AV	Audio Visual Communication Line
COMPAS	DI	Compass and Thermometer
COOL/F	EC	Cooling Fan Control
D/LOCK	BL	Power Door Lock
DEF	GW	Rear Window Defogger
DTRL	LT	Headlamp - With Daytime Light System
ECM/PW	EC	ECM Power Supply for Back-Up
ECTS	EC	Engine Coolant Temperature Sensor
EOTS	EC	Engine Oil Temperature Sensor
ETC1	EC	Electric Throttle Control Function
ETC2	EC	Electric Throttle Control Motor Relay
ETC3	EC	Electric Throttle Control Motor
EVCB1	EC	Exhaust Valve Timing Control Solenoid Valve (Bank 1)
EVCB2	EC	Exhaust Valve Timing Control Solenoid Valve (Bank 2)
EVCSB1	EC	Exhaust Valve Timing Control Position Sensor (Bank 1)
EVCSB2	EC	Exhaust Valve Timing Control Position Sensor (Bank 2)

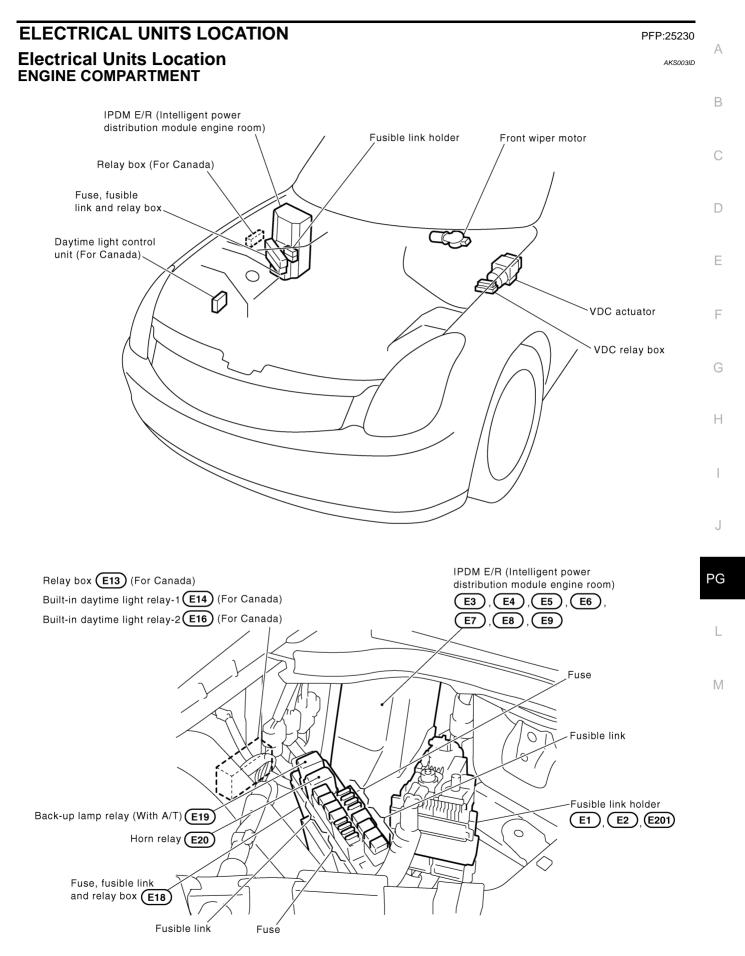
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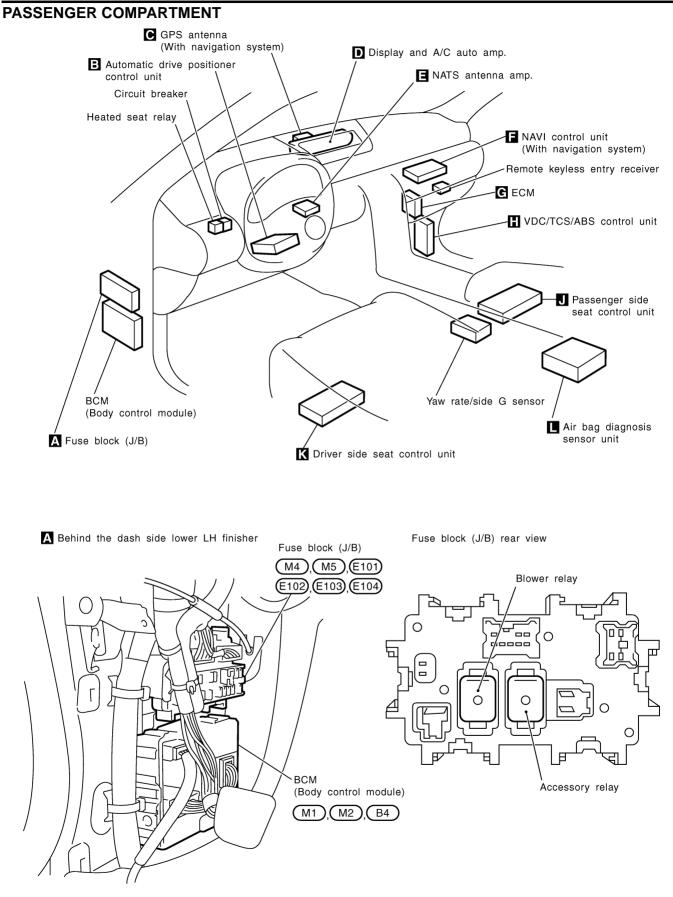
Code	Section	Wiring Diagram Name	
F/FOG	LT	Front Fog Lamp	
F/PUMP	EC	Fuel Pump	
FTS	AT	A/T Fluid Temperature Sensor Circuit	
TTS	EC	Fuel Tank Temperature Sensor	
FUELB1	EC	Fuel Injection System Function (Bank 1)	
FUELB2	EC	Fuel Injection System Function (Bank 2)	
H/LAMP	LT	Headlamp	
HORN	WW	Horn	
HSEAT	SE	Heated Seat	
/MIRR	GW	Inside Mirror (Auto Anti-Dazzling Mirror)	
ATS	EC	Intake Air Temperature Sensor	
GNSYS	EC	Ignition System	
ILL	LT	Illumination	
INJECT	EC	Injector	
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	
MAFS	EC	Mass Air Flow Sensor	
MAIN	AT	Main Power Supply and Ground Circuit	
MAIN	EC	Main Power Supply and Ground Circuit	
METER	DI	Speedometer, Tachometer, Temp. and Fuel Gauges	
MIL/DL	EC	MIL & Data Link Connector	
MIRROR	GW	Door Mirror	
MMSW	AT	Manual Mode Switch	
NATS	BL	Nissan Anti-Theft System	
NAVI	AV	Navigation System	
NONDTC	AT	Non-Detective Items	
O2H2B1	EC	Heated Oxygen Sensor 2 Heater Bank 1	
O2H2B2	EC	Heated Oxygen Sensor 2 Heater Bank 2	
02S2B1	EC	Heated Oxygen Sensor 2 Bank 1	
02S2B2	EC	Heated Oxygen Sensor 2 Bank 2	,
P/SCKT	WW	Power Socket	
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 (CKPS) (POS)	
POWER	PG	Power Supply Routing	
POWER PRE/SE	EC	EVAP Control System Pressure Sensor	
PRE/SE PS/SEN	EC	Power Steering Pressure Sensor	
ROOM/L	LI	Interior Room Lamp	

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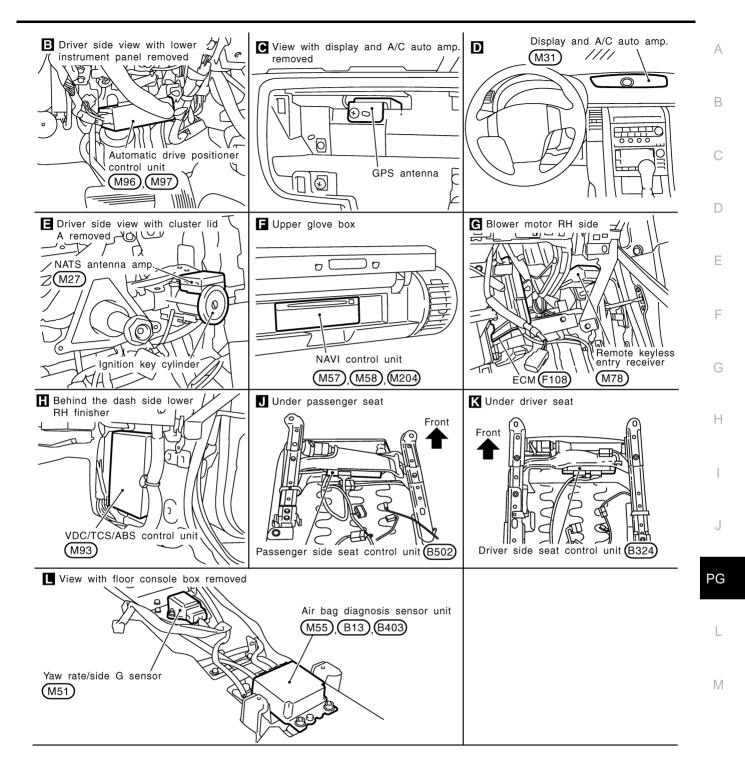
Code	Section	Wiring Diagram Name
SEAT	SE	Power Seat
SEN/PW	EC	Sensor Power Supply
SHIFT	AT	A/T Shift Lock System
SROOF	RF	Sunroof
SRS	SRS	Supplemental Restraint System
START	SC	Starting System
STOP/L	LT	Stop Lamp
STSIG	AT	Start Signal Circuit
T/WARN	WT	Low Tire Pressure Warning System
TAIL/L	LT	Parking, License and Tail Lamps
TILTEL	PS	Electric Tilt and Telescopic Steering
TLID	BL	Trunk Lid Opener
TPS1	EC	Throttle Position Sensor (Sensor 1)
TPS2	EC	Throttle Position Sensor (Sensor 2)
TPS3	EC	Throttle Position Sensor
TRNSCV	BL	Homelink Universal Transceiver
TURN	LT	Turn Signal and Hazard Warning Lamp
VDC	BRC	Vehicle Dynamics Control System
VEHSEC	BL	Vehicle Security System
VENT/V	EC	EVAP Canister Vent Control Valve
VSSA/T	AT	Vehicle Speed Sensor A/T (Revolution Sensor)
W/ANT	AV	Audio Antenna
WARN	DI	Warning Lamps
WINDOW	GW	Power Window
WIPER	WW	Front Wiper and Washer



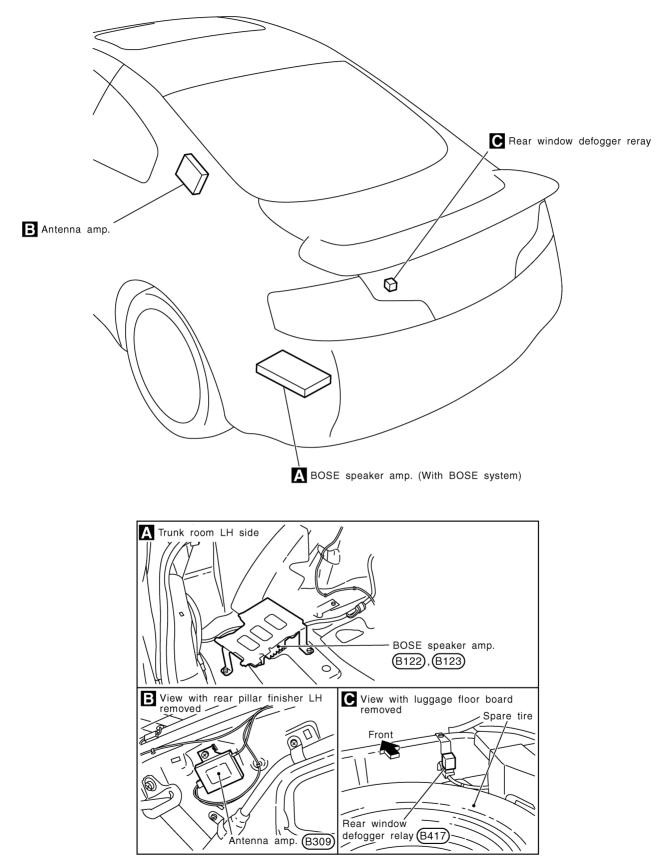




CKIM0441E



LUGGAGE COMPARTMENT



CKIT0240E

HARNESS CONNECTOR

HA	RNESS CONNECTOR			PFP:000	
De: HAI	SCription RNESS CONNECTOR (TAB-L			AKSOC	A
•	The tab-locking type connectors	help prevent accid	lental looseness or	⁻ disconnection. g the locking tab(s). Refer to the fig	g-
CAI	er to the next page for descript JTION: not pull the harness or wires w			ector.	С
[Exa	ample]				D
		ctor housing- PUSH		PUSH	E
					F
				Packing (Water-proof type)	G
	Connector housing				Н
	LIFT		PUSH	PUSH	l
	<u>SI</u>	Steller and			PG
				1	L
	PUSH]		PUSH	Μ

SEL769DA

(For relay)

PUSH (For combination meter)

HARNESS CONNECTOR

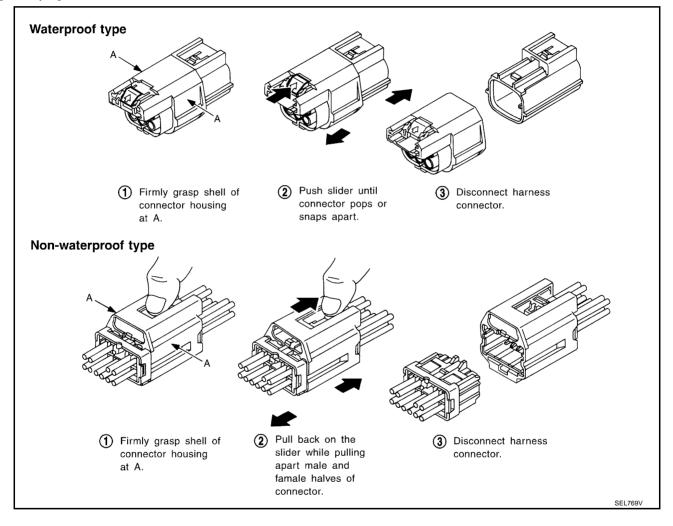
HARNESS CONNECTOR (SLIDE-LOCKING TYPE)

- 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 figure below.

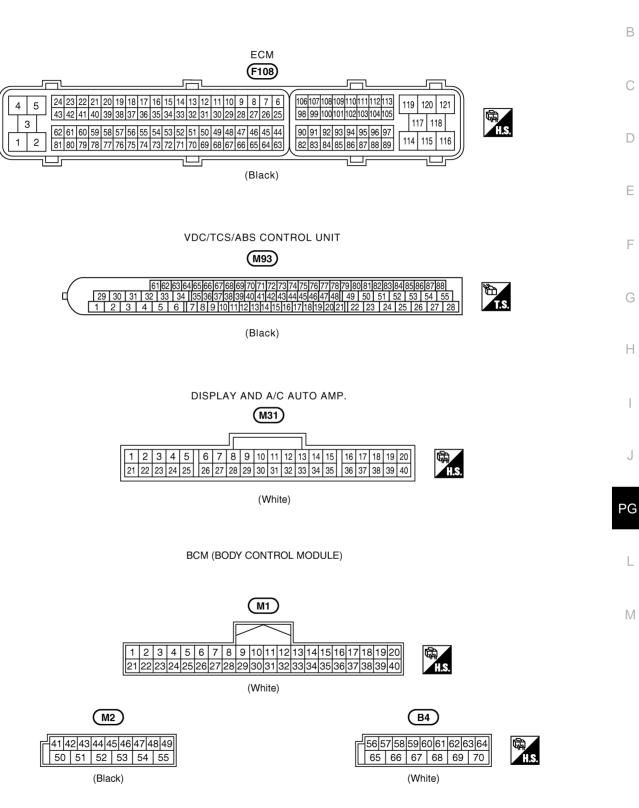
CAUTION:

- 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]



ELECTRICAL UNITS Terminal Arrangement



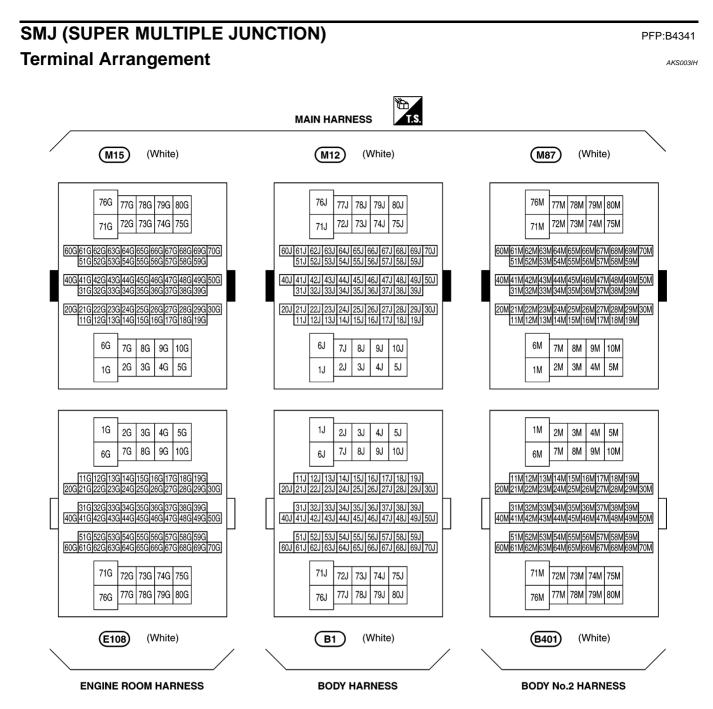
CKIM0443E

PFP:00011

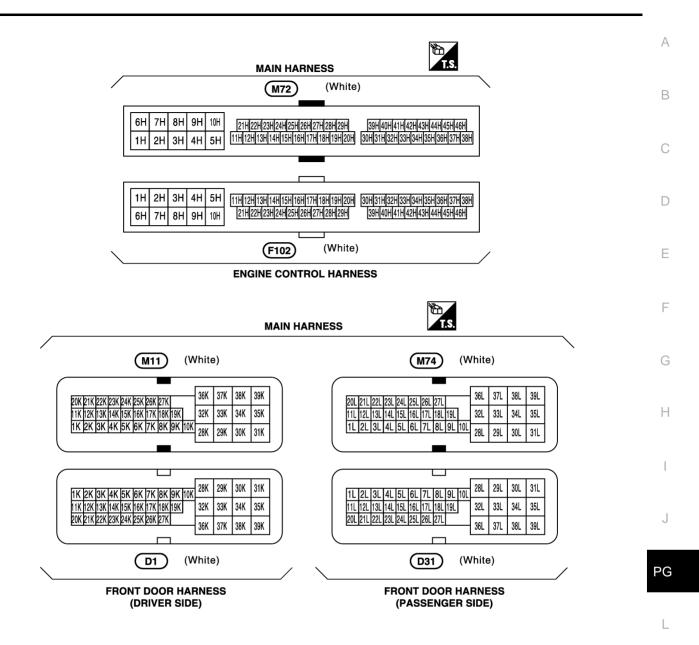
AKS003IG

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SMJ (SUPER MULTIPLE JUNCTION)



CKIM0430E



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CKIT0158E

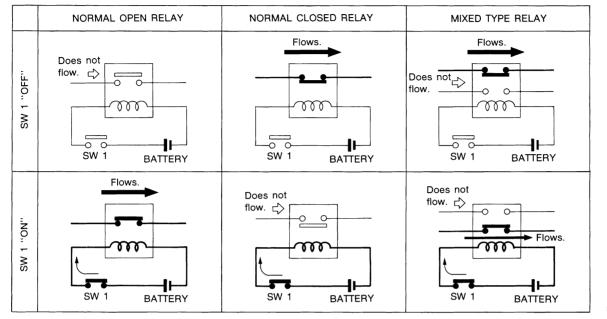
STANDARDIZED RELAY

PFP:00011

AKS003II

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.



SEL881H

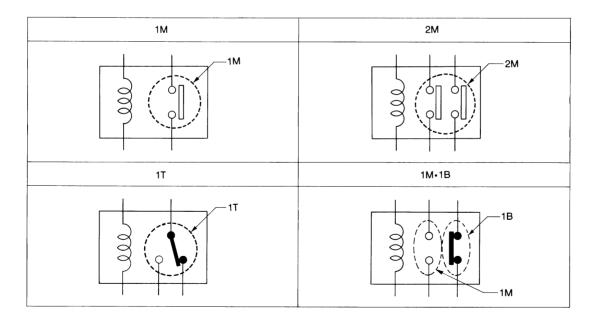
TYPE OF STANDARDIZED RELAYS

1M 1 Make

2M 1T 1 Transfer

1M-1B 1 Make 1 Break

..... 2 Make



SEL882H

Edition: 2004 September

STANDARDIZED RELAY

Туре	Outer view	Circuit	Connector symbol and connection	Case color
1T				BLACK
2M				BROWN
1M•1B				GRAY
1 M	a contraction of terminal numbers on the			BLUE

SEL188W

А

В

С

D

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G

Н

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PG

L

Μ

FUSE BLOCK - JUNCTION BOX (J/B) Terminal Arrangement

PFP:24350

AKS003IJ

