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POWER SUPPLY, GROUND & CIRCUIT ELEMENTS

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STANDARDIZED RELAY86	FUSE BLOCK - JUNCTION BOX (J/B)	8
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NORMAL OPEN, NORMAL CLOSED AND	FUSE, FUSIBLE LINK AND RELAY BOX	
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PRECAUTIONS

PRECAUTIONS PFP:00001

Precautions for Battery Service

AKS00AV9

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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POWER SUPPLY ROUTING CIRCUIT PFP:24110 **Schematic** AKS0012B I IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) \$ [8] \$ 115A MIL/DL NONDTC START *: This relay is built into the IPDM E/R (Intelligent power distribution module engine room). BLOWER RELAY A/C METER 3METER To CAN system 15A 40 4 WIPER WIP/R ultoo 83 83 MAIN NONDTC BACK/L NAVI DATA LINE ACCESSORY RELAY 15A P/SCKT \mathfrak{M} 40<u>K</u> CP : Coupe models FRONT WIPER RELAY (*) ABS TCS VDC DTRL 10A FUEL PUMP RELAY (*) 15A 81 mH1 P ∞ **€**[88] 00 A'C (*) HSEAT 15A 02H2B1 02S2B1 02S2B1 02S2B2 FUELB1 FUELB2 AF1HB1 AF1HB2 AF1B1 ᅨ A/C 15A \$<u></u>₽ CLOCK AUDIO NAVI W ASCIND MILIDIA MILIANA MILIANA MILIANA MILIANA MARINA MARINA MARINA CHIMA MARINA ₹ 38 5 13 13 CHARGE 15A 87 15A 11111 1222 1322 12A ക 15A 86 HEADLAMP LOW RELAY (*) 15A ΦĒ ECM/PW MIL/DL NONDTC MAIN FUEIB1 FUEI IGNITION RELAY (*) 15A 76 32A MAIN ത START 0 Φ 800 ₩₩ \$₽ SEAT 80000 GNITION SWITCH 20A \$[6] **₽** (P) 뇸 ABS TCS 15A $\mathbb{Z}_{\mathbb{R}}^{\mathbb{R}}$ 214 214 ECM (★) ത D/LOCK KEYLES SEAT ROOM/L CHIME ABS ABS EI8 15A 10A 00 VDC \$[S] Ş⊟ ASC/BS BRK/SW ASCBOF NONDTC NONDTC ABS TICS VDC F/ROOF STOP/L 20A COOLF 10A

TKWM1377E

F/ROOF

TWARN, DILOCK
TLID, FILID
KEYLES, VEHSEC
NATS, WINDOW
DEF, SEAT
HILAMP, COMBSW
TAILL, ROOML
ILL, CHINE
WIPER, WIPER

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COOLF CIRCUIT

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HEADLAMP HIGH RELAY (★)

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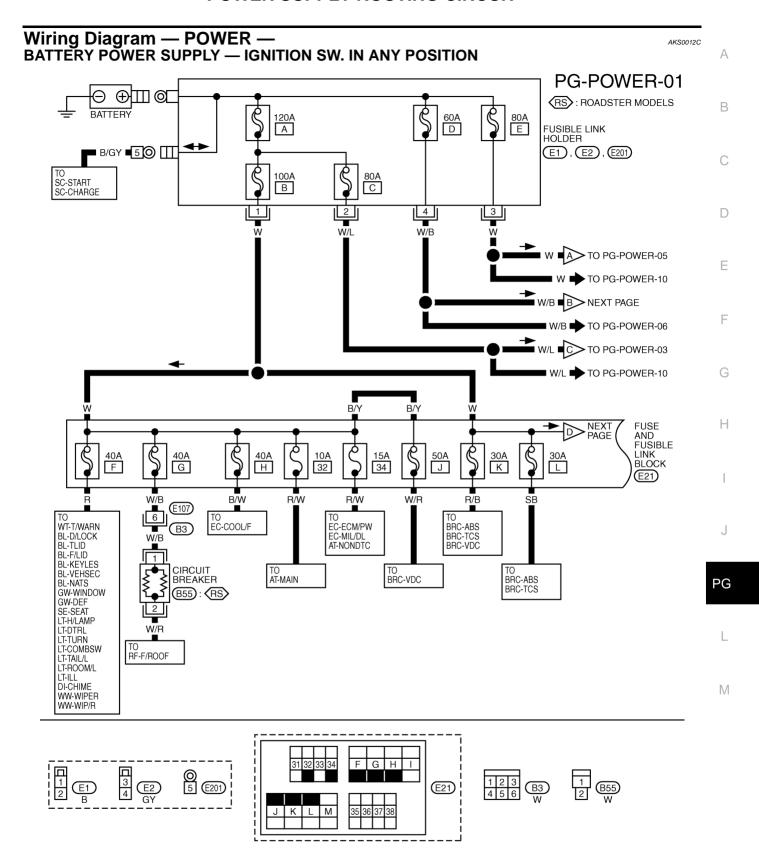
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15A

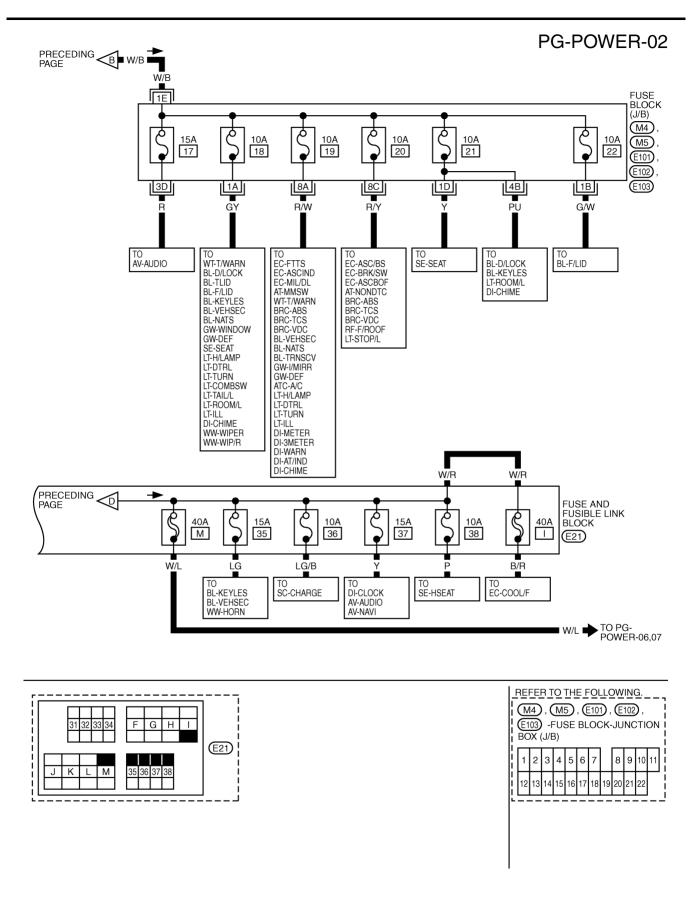
START CHARGE

20A

BATTERY



TKWB0267E



TKWM1378E

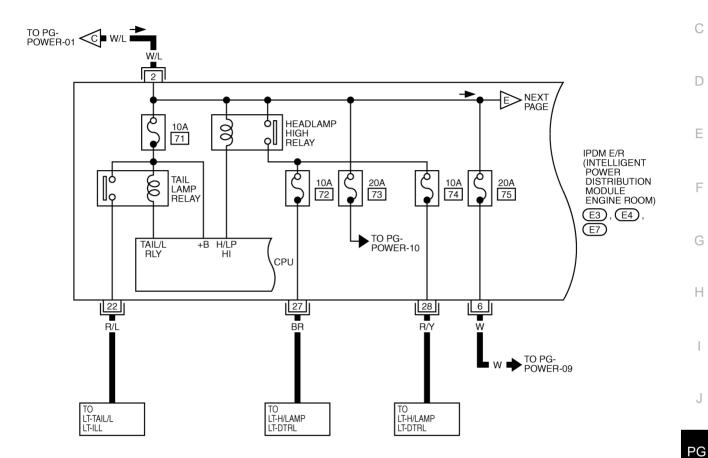
PG-POWER-03

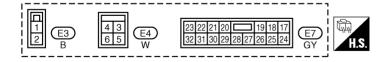
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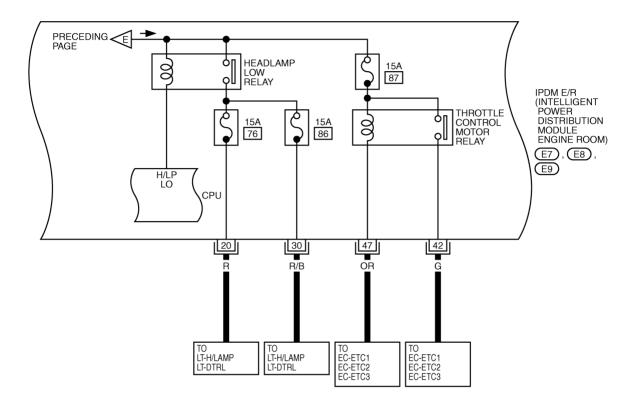
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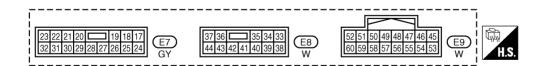




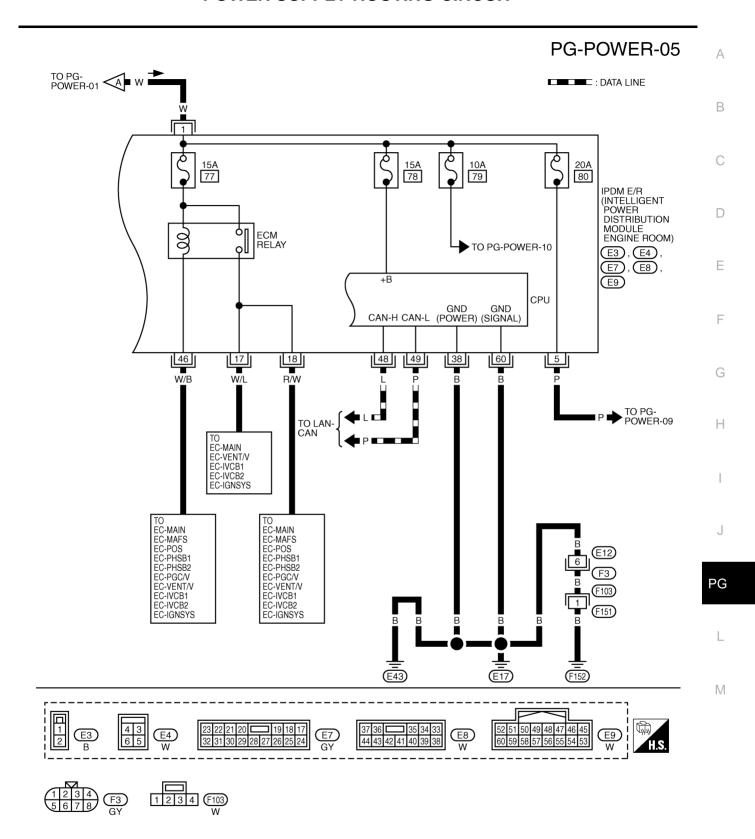
TKWT1642E

PG-POWER-04





TKWT1643E

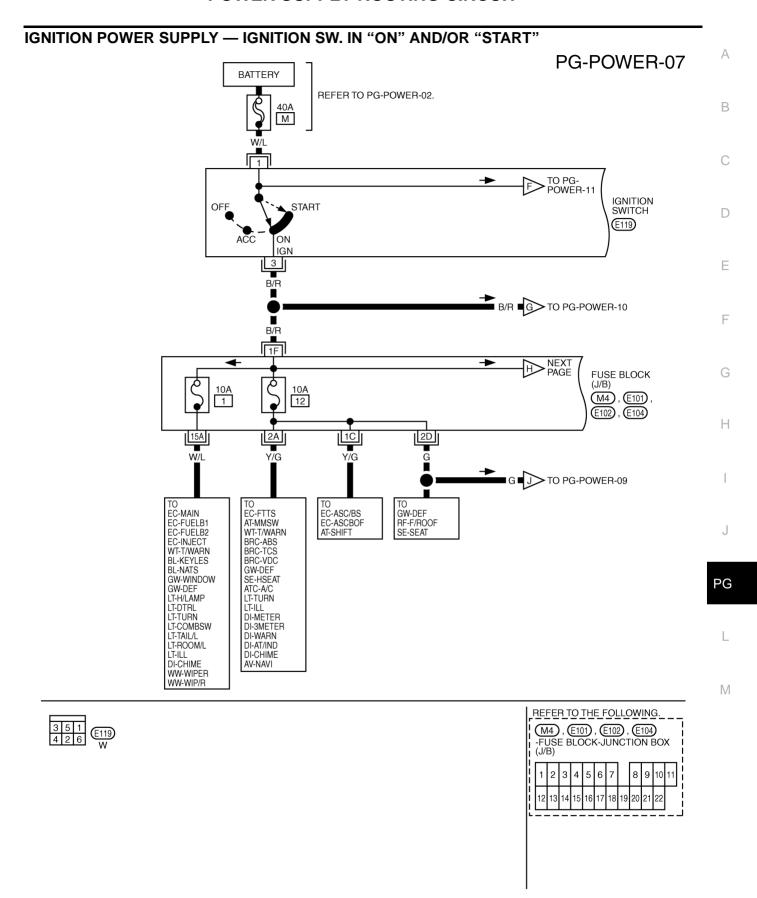


TKWT1644E

ACCESSORY POWER SUPPLY — IGNITION SW. IN "ACC" OR "ON" PG-POWER-06 BATTERY REFER TO PG-POWER-01,02. FUSIBLE LINK HOLDER 40A M 60A D (E2) 4 W/L W/B OFF START **IGNITION SWITCH** (E119) ACC ON ACC 2 W/B W/B W/B W/B 1E 6C 3 3 ΠQ ACCESSORY RELAY 9 **BLOWER** FUSE BLOCK (J/B) RELAY IJφ 5 2 5 (M4), (M5)(E101), (E103) 15A 7 15A 10 15A 11 10A 6 7B 12A 11A 8B 3B LG L/W R/G L/W TO WW-P/SCKT WT-T/WARN BL-F/LID BL-KEYLES TO ATC-A/C **BL-VEHSEC** GW-WINDOW GW-DEF DI-METER DI-3METER **GW-MIRROR** LT-H/LAMP LT-DTRL LT-TURN LT-COMBSW LT-TAIL/L LT-ILL DI-METER DI-CLOCK **AV-AUDIO** 1 AV-M/ANT AV-NAVI (M30) (M66) REFER TO THE FOLLOWING. 3 5 1 4 2 6 E119 W M4), M5), E101), E103 -FUSE BLOCK-JUNCTION BOX 3 4 5 6 8 9

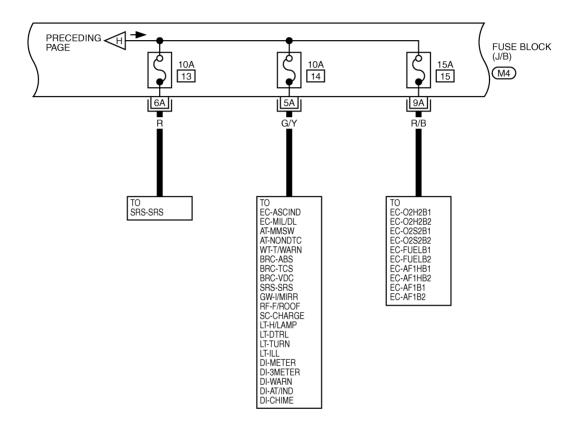
TKWT2238E

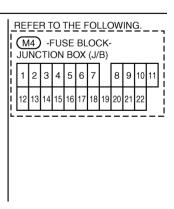
12 13 14 15 16 17 18 19 20 21 22



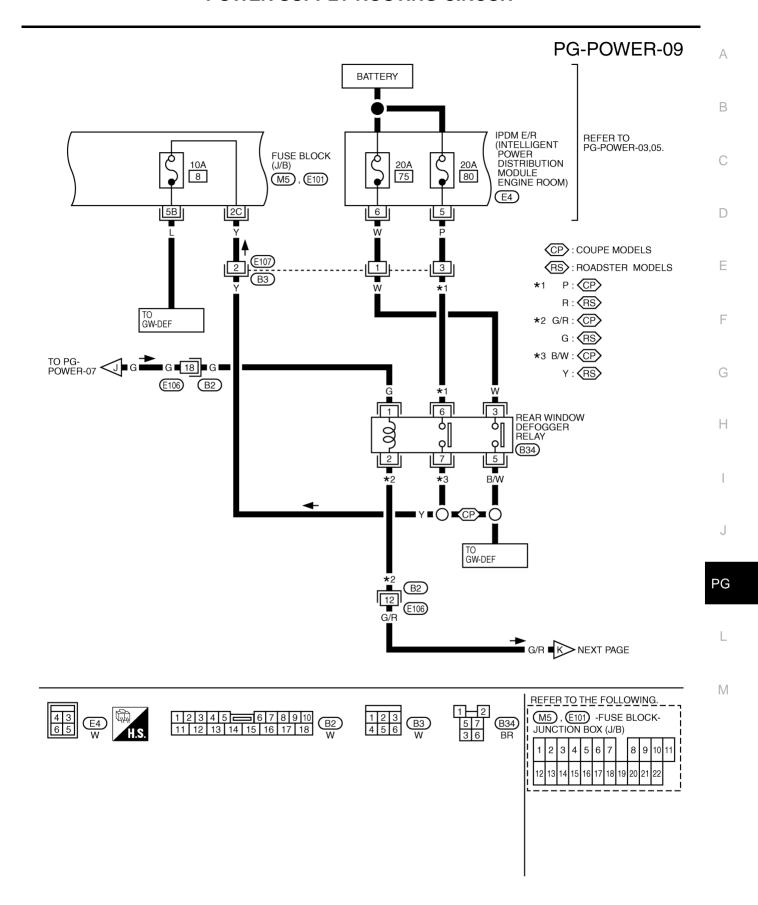
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PG-POWER-08

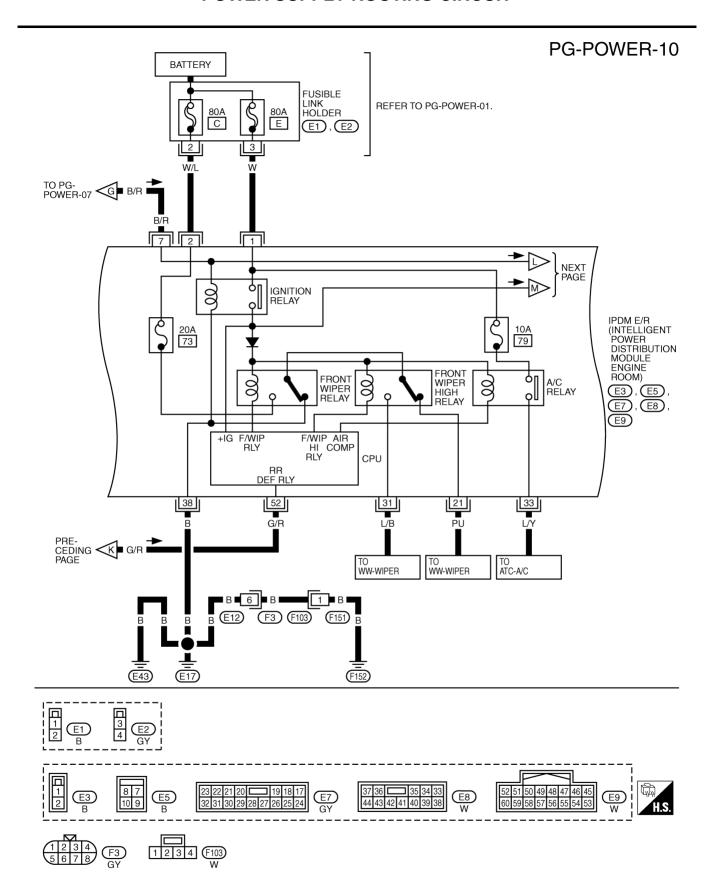




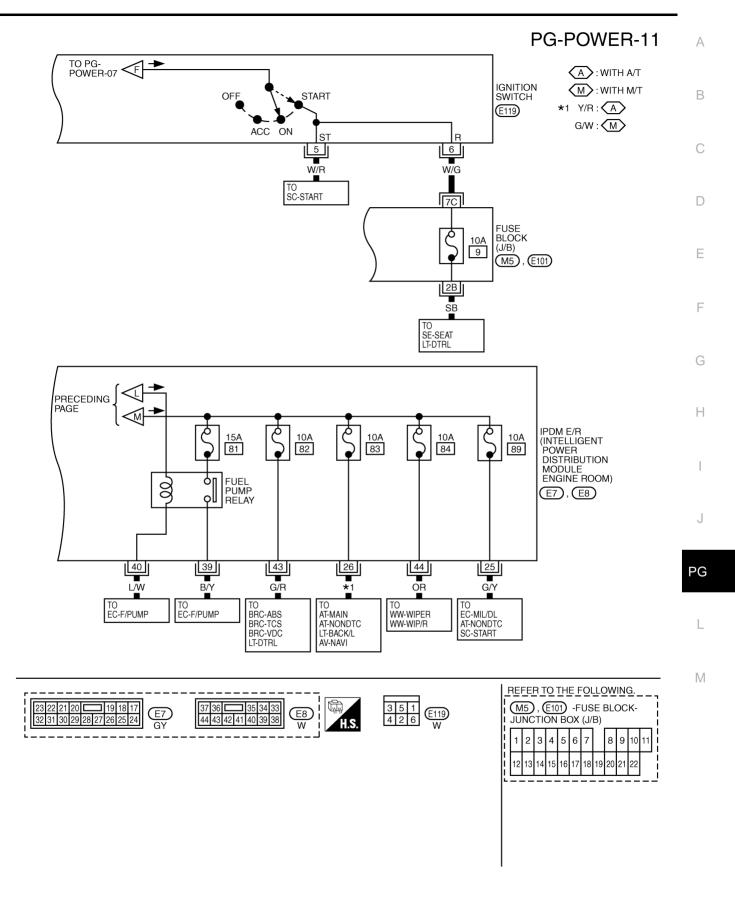
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TKWT1648E



TKWT1649E

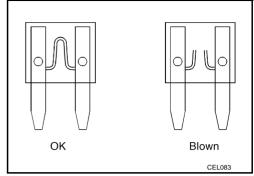


TKWB0268E

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.

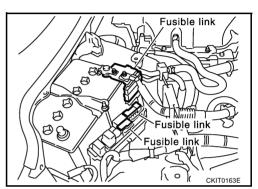


Fusible Link

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. Important: Never let fusible link touch any other wiring harness, vinyl or rubber parts.



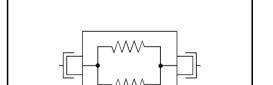
AKS0012E

AKS0012F

SEL109W

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.



Circuit breaker

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

PFP:284B7

System Description

AKS00A2H

- IPDM E/R (Intelligent Power Distribution Module Engine Room) integrates the relay box and fuse block which were originally placed in engine room. It controls integrated relay via IPDM E/R control circuit.
- IPDM E/R-integrated control circuit performs ON-OFF operation of relay, CAN communication control, oil pressure switch signal, hood switch signal reception, etc.
- It controls operation of each electrical part 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

1. Lamp control

Using CAN communication line, it receives signal from BCM and controls the following lamps:

- Headlamps (Hi, Lo)
- Parking lamps
- Tail lamps
- License plate lamps
- 2. Wiper control

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

Headlamp washer control

Using CAN communication line, it receives signals from BCM and controls the headlamp washer.

- Rear window defogger relay control
 Using CAN communication line, it receives signals from BCM and controls the rear window defogger
 relay.
- 5. A/C compressor control
 Using CAN communication line, it receives signals from ECM and controls the A/C relay.
- 6. Cooling fan control
 Using CAN communication line, it receives signals from ECM and controls cooling fan 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 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 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
Headlamp	With the ignition switch ON, the headlamp (low) is ON.
Headiamp	 With the ignition switch OFF, the headlamp (low) is OFF.
Tail and parking lamps	With the ignition switch ON, the tail and parking lamps is ON.
rali and parking lamps	With the ignition switch OFF, the tail and parking lamps is OFF.
Cooling fan	With the ignition switch ON, the cooling fan HI operates.
Cooling fair	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

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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 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 current-consumption 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

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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

AKS00A2J

Refer to LAN-5, "CAN Communication Unit" .

Function of Detecting Ignition Relay Malfunction

AKS00A2K

- 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 IPDM E/R 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 lamp is OFF.

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CONSULT-II

CONSULT-II performs the following functions with combination of data receiving, command and transmission using the CAN communication line from the IPDM E/R.

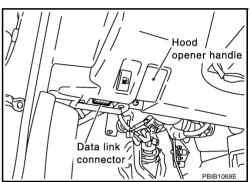
Inspection Item, Diagnosis Mode	Description
SELF-DIAG RESULTS	The IPDM E/R performs diagnosis of the CAN communication and self-diagnosis.
DATA MONITOR	The input/output data of the IPDM E/R is displayed in real time.
CAN DIAG SUPPORT MNTR	The result of transit/receive diagnosis of CAN communication can be read.
ACTIVE TEST	The IPDM E/R sends a drive signal to electronic components to check their operation.

CONSULT-II BASIC OPERATION

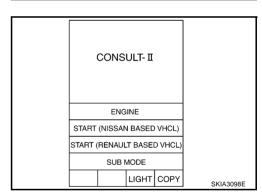
CAUTION

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.

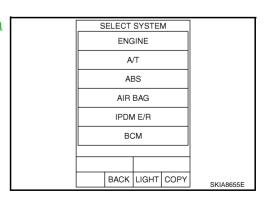
1. With the ignition switch OFF, connect CONSULT-II and CON-SULT-II CONVERTER to the data link connector, then turn the ignition switch ON.



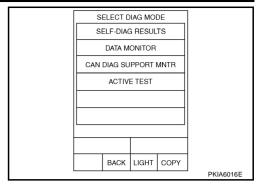
2. Touch "START (NISSAN BASED VHCL)".



 Touch "IPDM E/R" on "SELECT SYSTEM" screen.
 If "IPDM E/R" is not displayed, refer to GI-39, "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	Malfunction detecting condition		ME	Possible causes
	display code	3	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.

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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.
SELECT FROM MENU	Select any item for monitoring.

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

All Items, Main Items, Select Item Menu

			Monitor item selection			
Item name	CONSULT-II screen display	Display or unit	ALL SIGNALS	MAIN SIGNALS	SELECT FROM MENU	Description
Motor fan request	MOTOR FAN REQ	1/2/3/4	×	×	×	Signal status input from ECM
Compressor request	AC COMP REQ	ON/OFF	×	×	×	Signal status input from ECM
Tail & clear request	TAIL&CLR REQ	ON/OFF	×	×	×	Signal status input from BCM
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
Front fog request NOTE	FR FOG REQ	ON/OFF	×	×	×	Signal status input from BCM
Head lamp washer request	HL WASHER REQ	ON/OFF	×		×	Signal status input from BCM
Front wiper request	FR WIP REQ	STOP/1LOW/ LOW/HI	×	×	×	Signal status input from BCM
Wiper auto stop	WIP AUTO STOP	ACT P/STOP P	×	×	×	Output status of IPDM E/R
Wiper protection	WIP PROT	OFF/Block	×	×	×	Control status of IPDM E/R
Starter request	ST RLY REQ	ON/OFF	×		×	Status of input signal NOTE
Ignition relay status	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
Oil pressure switch	OIL P SW	OPEN/CLOSE	×		×	Signal status input in IPDM E/R
Day time light request NOTE	DTRL REQ	ON/OFF	×		×	Signal status input from BCM
Hood switch	HOOD SW	ON/OFF	×		×	Signal status input in IPDM E/R
Theft warning horn request	THFT HRN REQ	ON/OFF	× × Signal		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.
- "FR FOG REQ" and "OIL P SW" items are displayed, but they cannot be monitored.
- Only the vehicle which day time light system is mounted with operates.

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 item	CONSULT-II screen display	Description
Tail lamp output	TAIL LAMP	With a certain ON-OFF operation, the tail lamp relay can be operated.
Rear window defogger output	REAR DEFOGGER	With a certain ON-OFF operation, the rear window defogger relay can be operated.
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.
Headlamp washer	HEAD LAMP WASHER	Push "ON" button, headlamp washer relay operates one second.
Lamp (HI, LO,FOG ^{NOTE}) output	LAMPS	With a certain operation (OFF, HI ON, LO ON, FOG ON ^{NOTE}), the lamp relay (Lo, Hi, Fog ^{NOTE}) can be operated.
Horn output	HORN	Push "ON" button, horn relay operates 20ms.

NOTE:

- The cornering lamp items are displayed, but they cannot be tested.
- The fog lamp items are displayed, but they cannot be tested.

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Auto Active Test
DESCRIPTION

- 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 and parking lamps
- Headlamps (Hi, Lo)
- A/C compressor (magnetic clutch)
- Cooling fan

OPERATION PROCEDURE

1. Close hood front door (passenger side) 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 (driver side) 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.
- 6. After a series of operations is repeated three times, auto active test is completed.

NOTE:

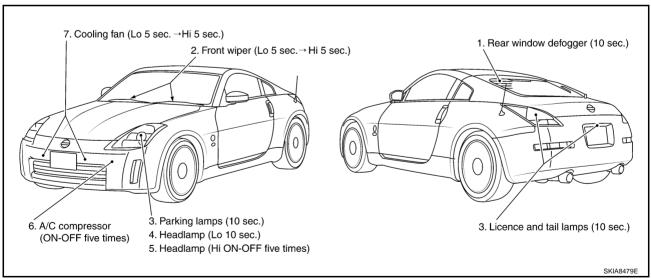
When auto active test mode has to be cancelled halfway, turn ignition switch OFF.

CAUTION:

Be sure to inspect BL-39, "Door Switch Check" when the auto active test cannot be performed.

INSPECTION IN AUTO ACTIVE TEST MODE

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



NOTE:

It will take ten seconds from 3 to 4.

Concept of Auto Active Test

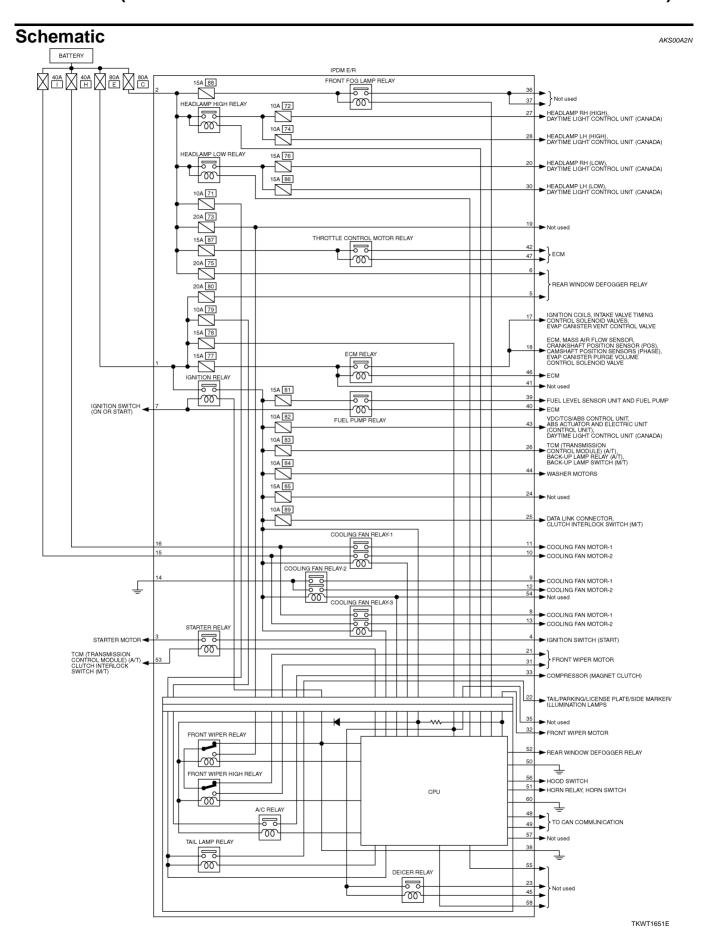
- IPDM E/R actuates auto active test mode when it receives door switch signal from BCM via CAN communication line. Therefore, when auto active test mode is activated successfully, CAN communication between IPDM E/R and BCM is normal.
- If any of systems controlled by IPDM E/R cannot be operated, possible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

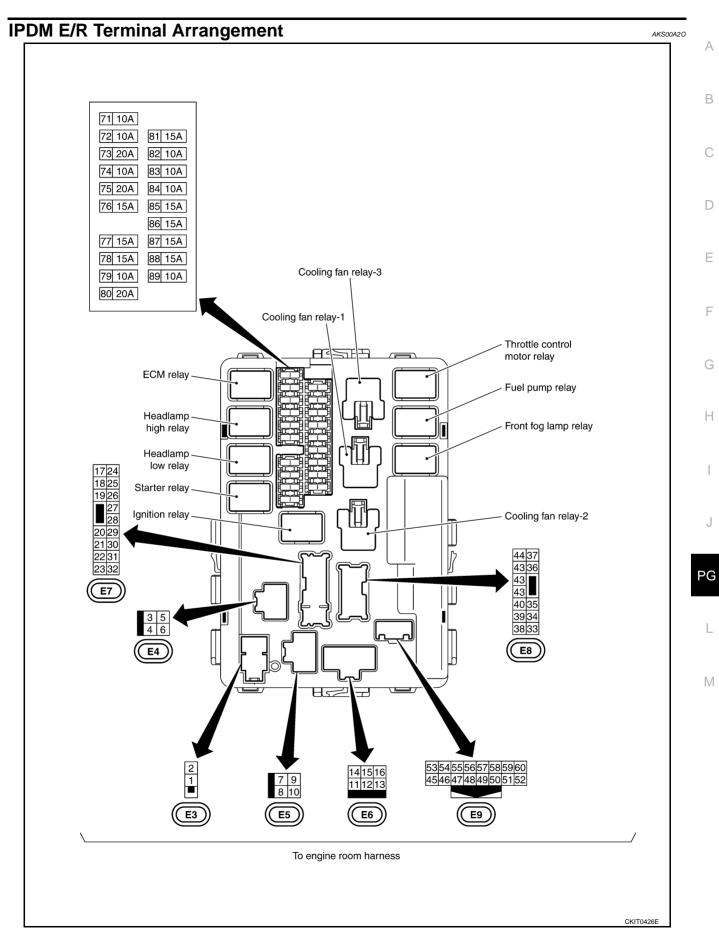
Diagnosis chart in auto active test mode

Symptom	Inspection conte	nts	Possible cause	
	Perform auto active	YES	BCM signal input circuit	
Rear window defogger	test. Does rear win-		Rear window defogger relay circuit	
does not operate.	dow defogger oper-	NO	Open circuit of rear window defogger	
	ate?		IPDM E/R malfunction	
		YES	BCM signal input system	
Any of front wipers, tail	D. C		Lamp/wiper motor malfunction	
and parking lamps, front og lamps, and head	Perform auto active test. Does system in		Lamp/wiper motor ground circuit malfunction	
amps (Hi, Lo) do not operate.	question operate?	NO	 Harness/connector malfunction between IPDM E/R and system in question 	
			IPDM E/R (integrated relay) malfunction	
			BCM signal input circuit	
		YES	CAN communication signal between BCM and ECM.	
VC compressor does	Perform auto active test. Does magnetic clutch operate?		CAN communication signal between ECM and IPDM E/R	
A/C compressor does not operate.			Magnetic clutch malfunction	
·		NO	Harness/connector malfunction between IPDM E/R and magnetic clutch	
			IPDM E/R (integrated relay) malfunction	
		YES	ECM signal input circuit	
	test Does cooling fan	163	CAN communication signal between ECM and IPDM E/R	
Cooling fan does not		fan does not		Cooling fan motor malfunction
operate.		-	_	NO
			IPDM E/R (integrated relay) malfunction	

Α

В





NOTE:

Front fog lamp relay does not used.

IPDM E/R Power/Ground Circuit Inspection

1. CHECK FUSE AND FUSIBLE LINK

• Make sure the following fusible links or IPDM E/R fuses are not blown.

Terminal No.	Signal name	Fuse, fusible link No.
1, 2	Battery power	F/L-C, F/L-E, Fuse No. 71,78

OK or NG

OK >> GO TO 2.

NG >> Replace fuse or fusible link.

2. CHECK POWER SUPPLY CIRCUIT

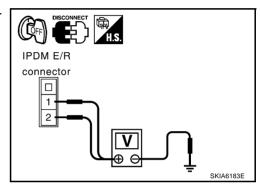
- 1. Turn ignition switch OFF.
- 2. Disconnect IPDM E/R harness connector E3.
- 3. Check voltage between IPDM E/R harness connector E3 terminals 1 (W), 2 (W/L) and ground.

Battery voltage should exist.

OK or NG

OK >> GO TO 3.

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



AKS00A2P

3. CHECK GROUND CIRCUIT

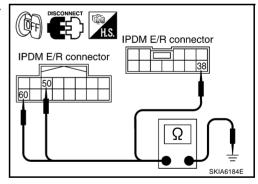
- 1. Disconnect IPDM E/R harness connectors E8 and E9.
- Check continuity between IPDM E/R harness connectors E8 terminal 38 (B), E9 terminal 50 (B), 60 (B) and ground.

Continuity should exist.

OK or NG

OK >> INSPECTION END

NG >> Replace ground circuit harness of IPDM E/R.



Inspection With CONSULT-II (Self-Diagnosis)

KSOOA2O

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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 Diagnosis System Selection 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 display code	TIME		Details of diagnosis result	D
		CRNT	PAST	Details of diagnosis result	
NO DTC IS DETECTED. FURTHER TESTING MAY BE REQUIRED.	-	-	-	No malfunction	Е
CAN COMM CIRC	U1000	×	×	Any of or several items below have errors. TRANSMIT DIAG ECM BCM/SEC	F

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 LAN-3, "Precautions When Using CON-SULT-II".

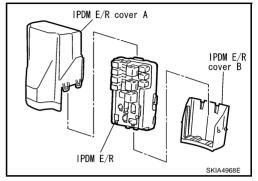
PG

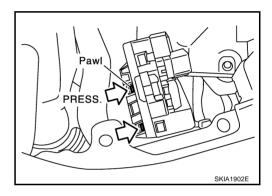
J

Removal and Installation of IPDM E/R REMOVAL

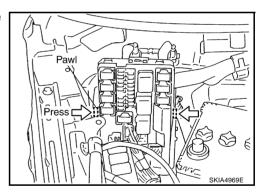
AKS00A2R

- Remove battery. Refer to <u>SC-9, "Removal and Installation"</u> in "Starting and Charging System (SC)" section.
- Remove IPDM E/R cover A. While pressing pawl on backside of IPDM E/R cover B toward vehicle front to unlock, lift up IPDM E/R.





- 3. While pressing pawls 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.



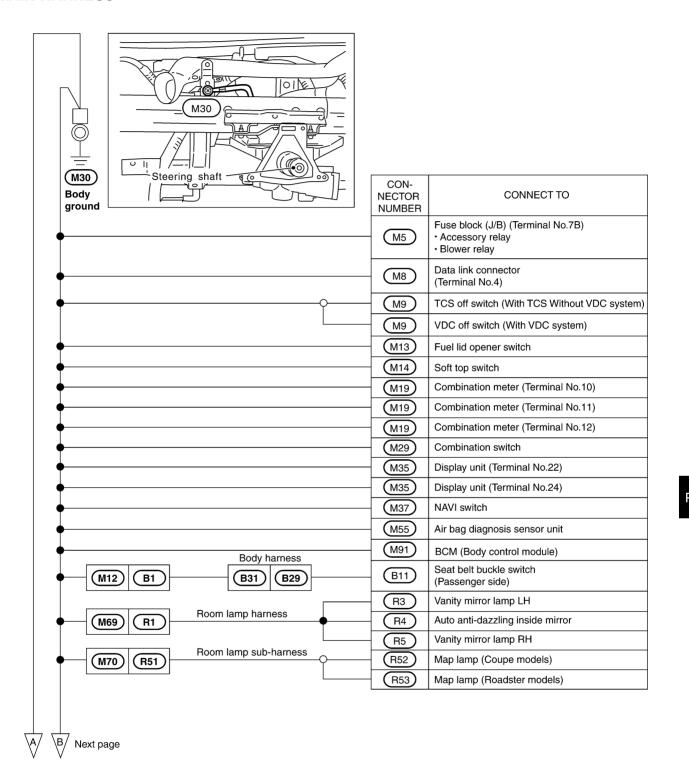
INSTALLATION

Install in the reverse order of removal.

GROUND PFP:00011

Ground Distribution MAIN HARNESS

AKS0012P



В

D

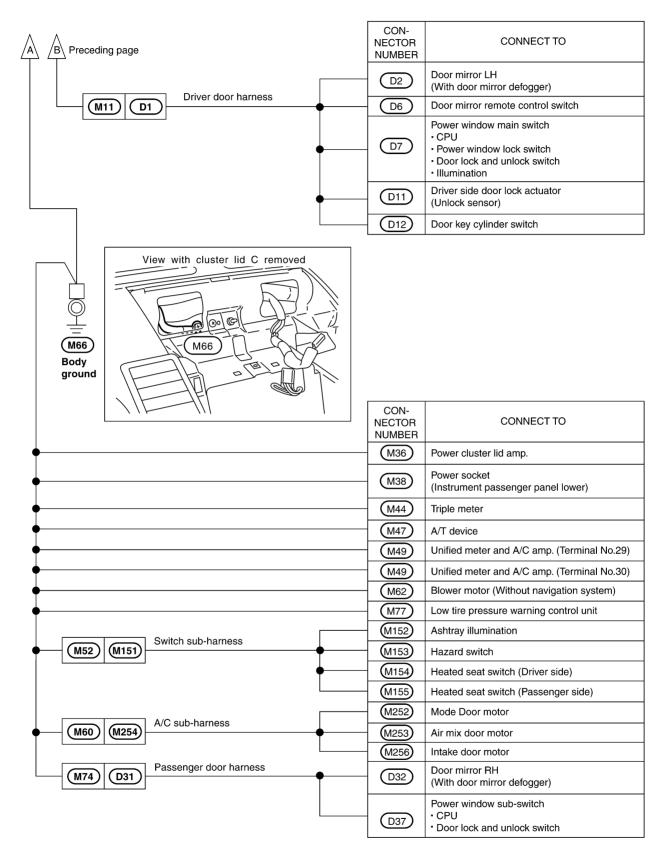
G

Н

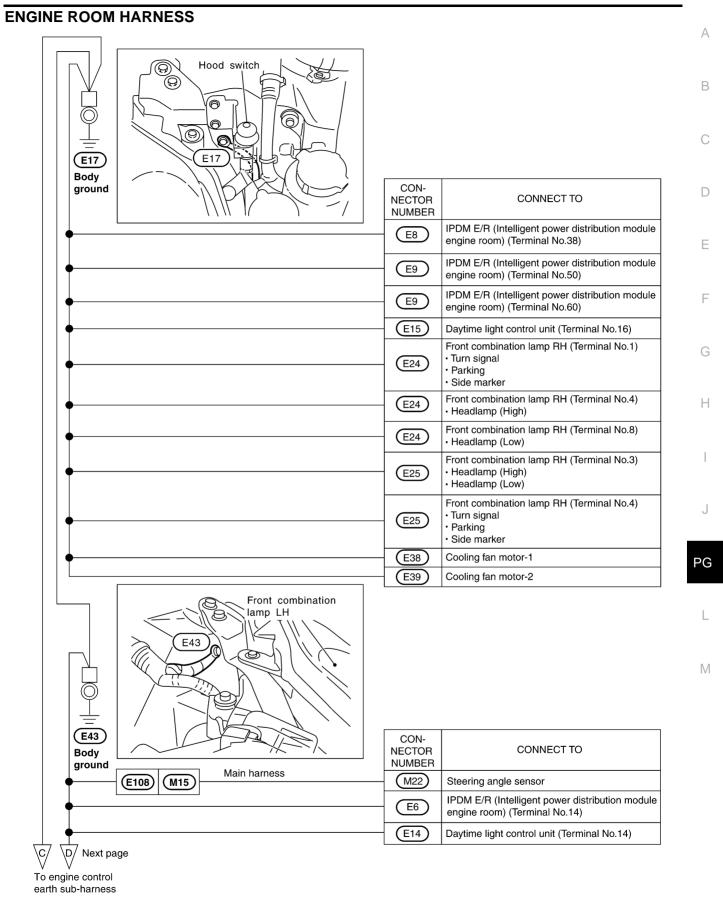
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M

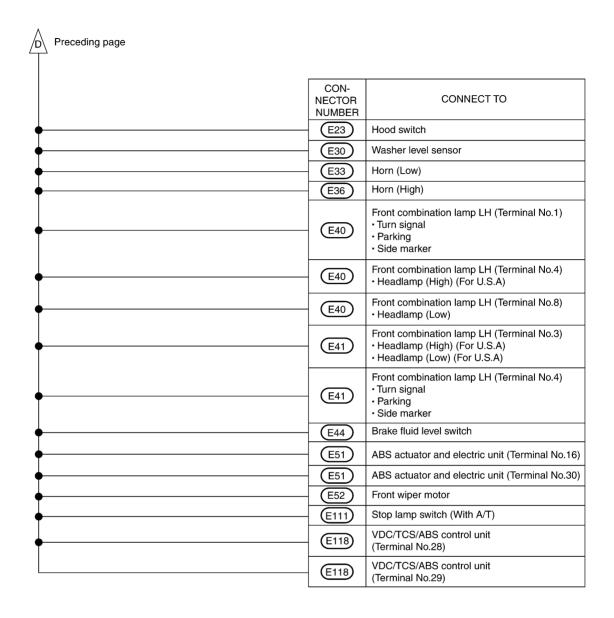
CKIT0468E

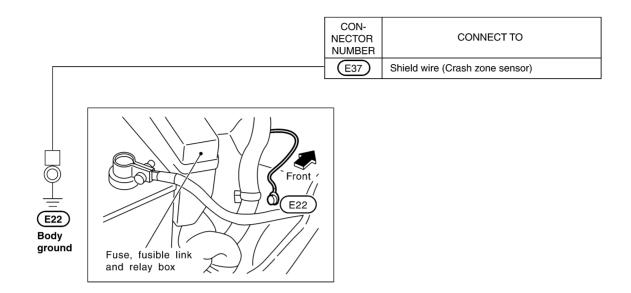


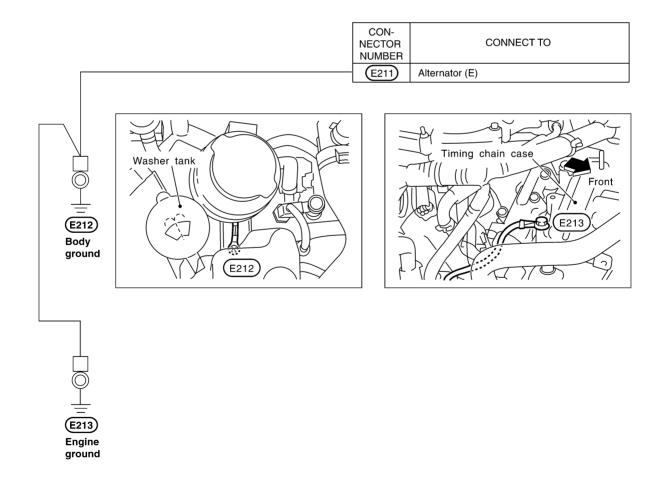
CKIT0455E



CKIT0456E







CKIT0170E

Α

В

С

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F

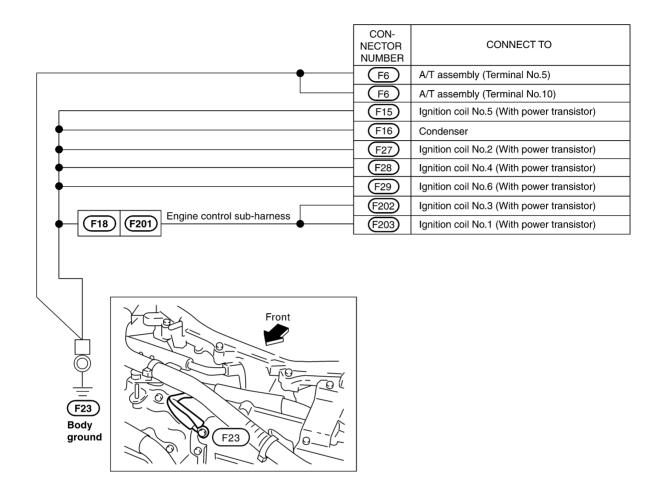
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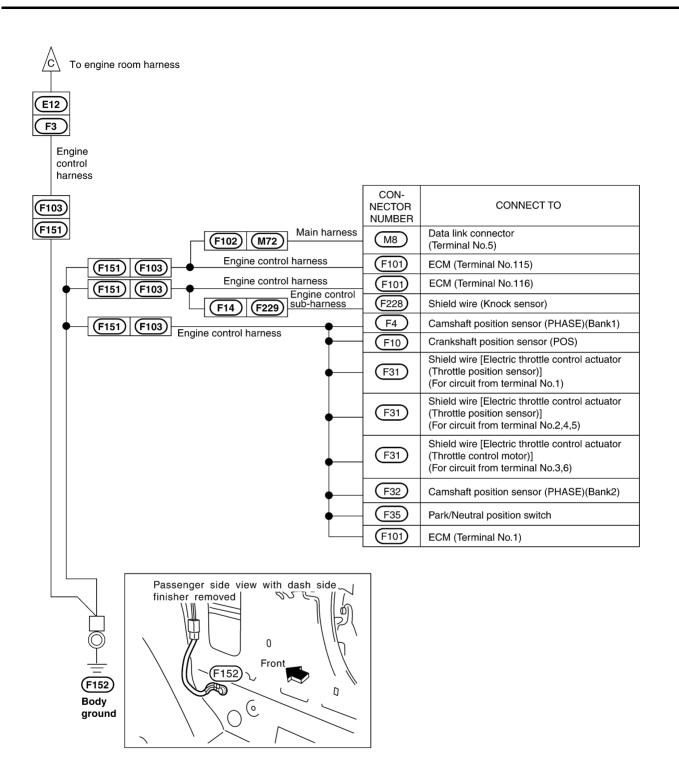
Н

J

РG

ENGINE CONTROL HARNESS





CKIT0458E

Α

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D

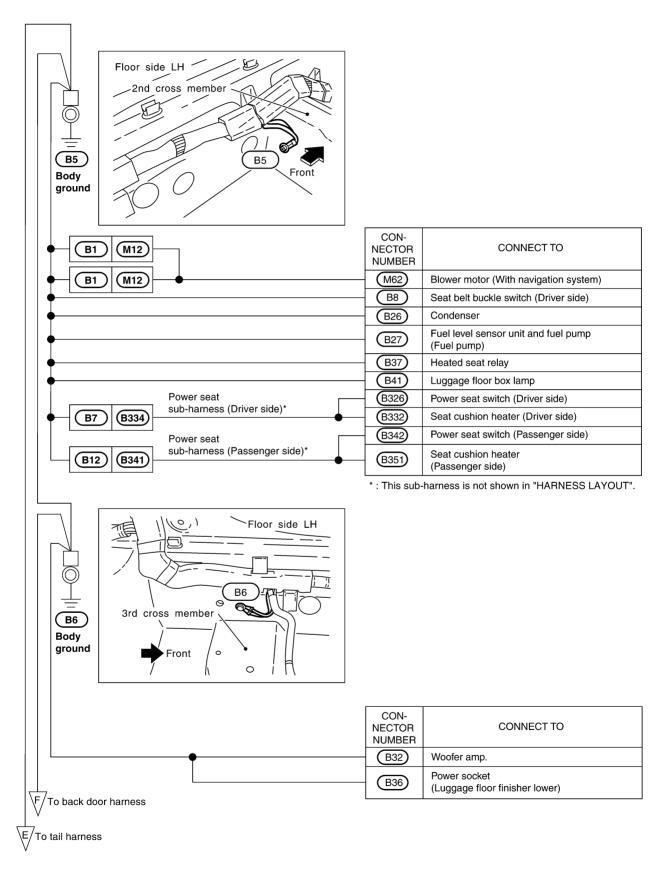
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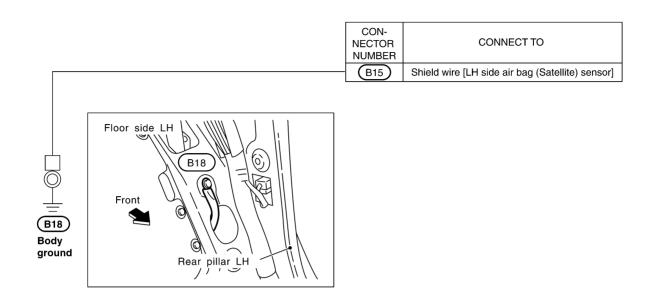
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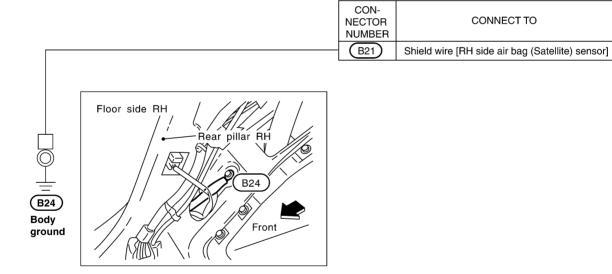
Н

PG

BODY HARNESS Coupe Models







РG

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Α

В

С

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Е

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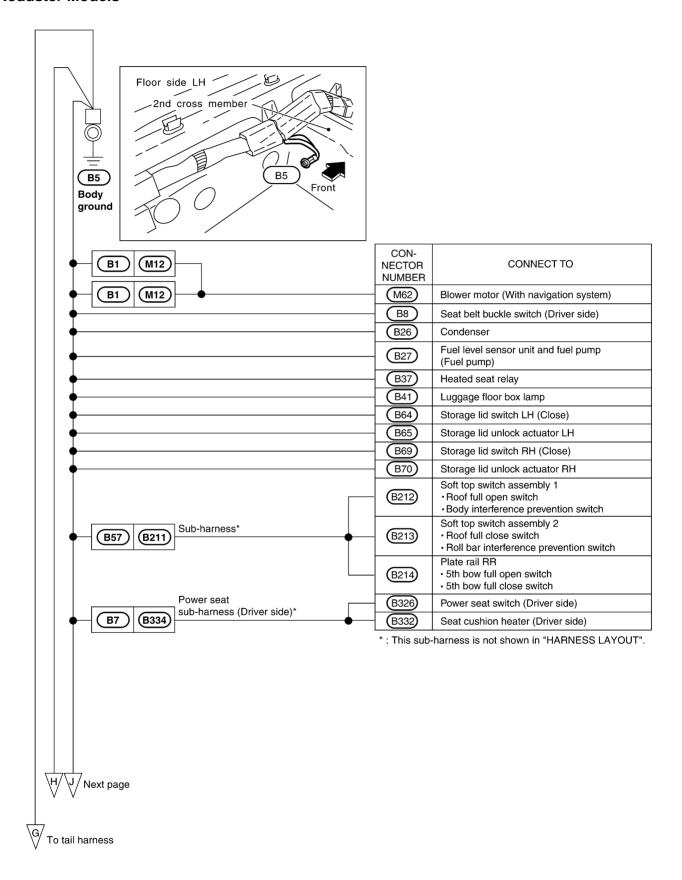
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Н

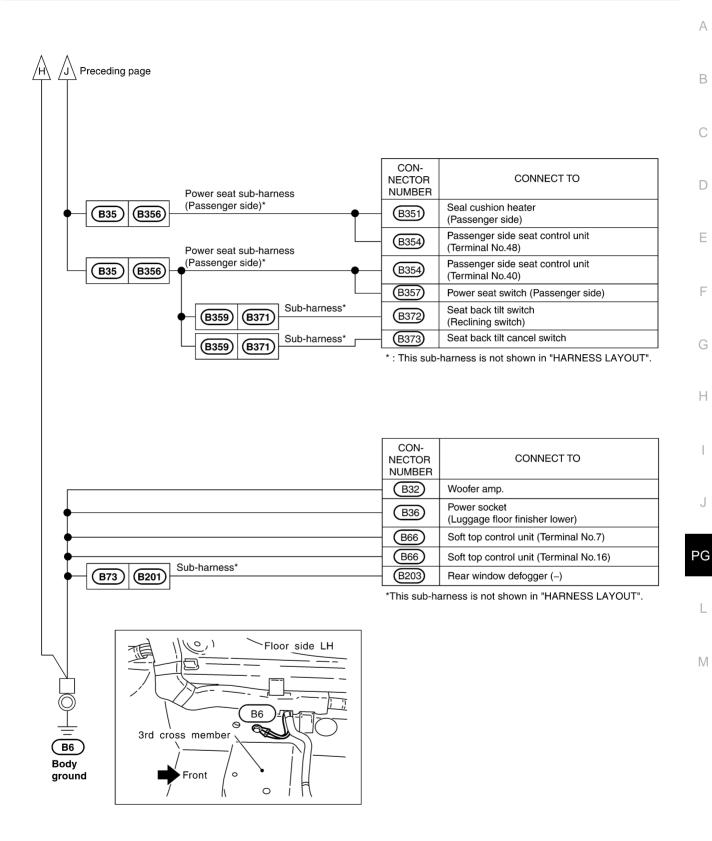
M

CKIT0174E

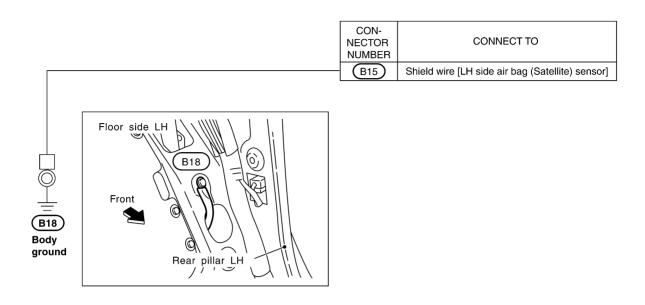
Roadster Models

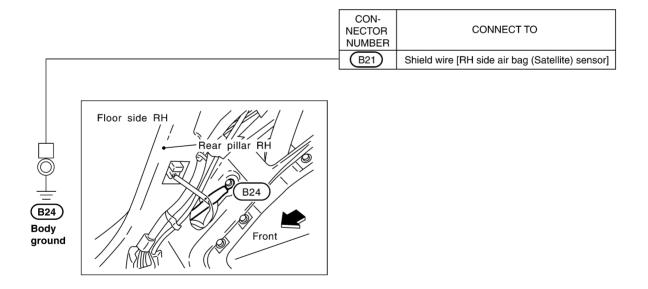


CKIT0460E



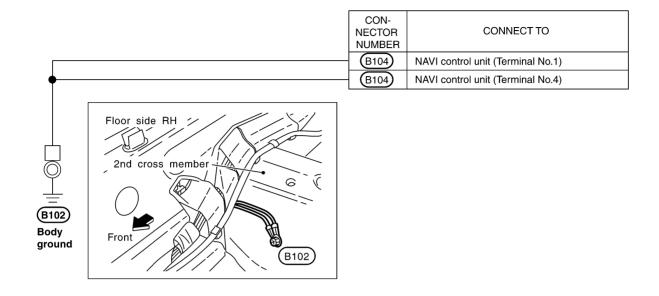
CKIT0470E

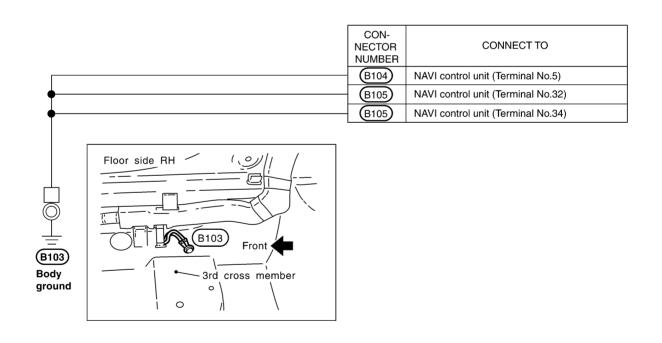




CKIT0174E

BODY NO.2 HARNESS





CKIT0360E

Α

В

D

Е

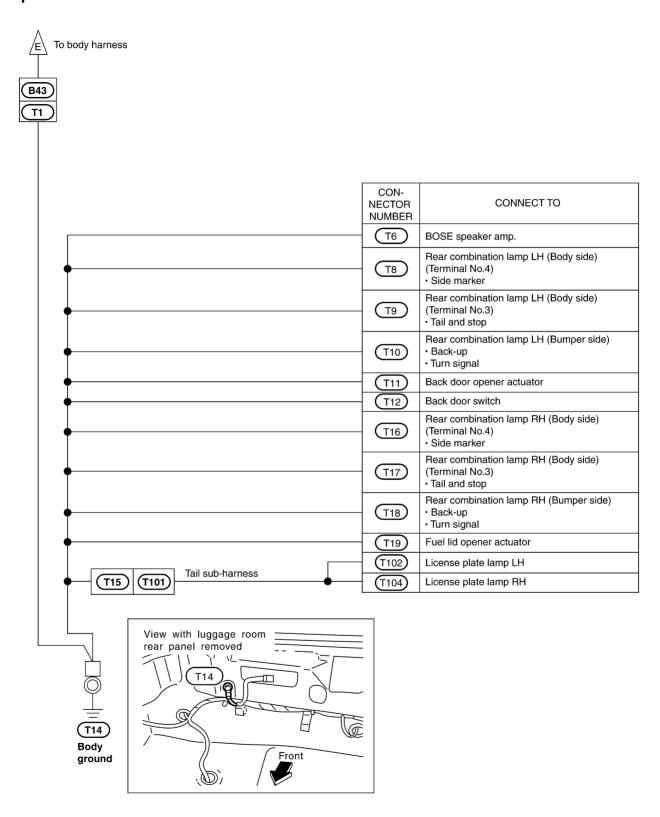
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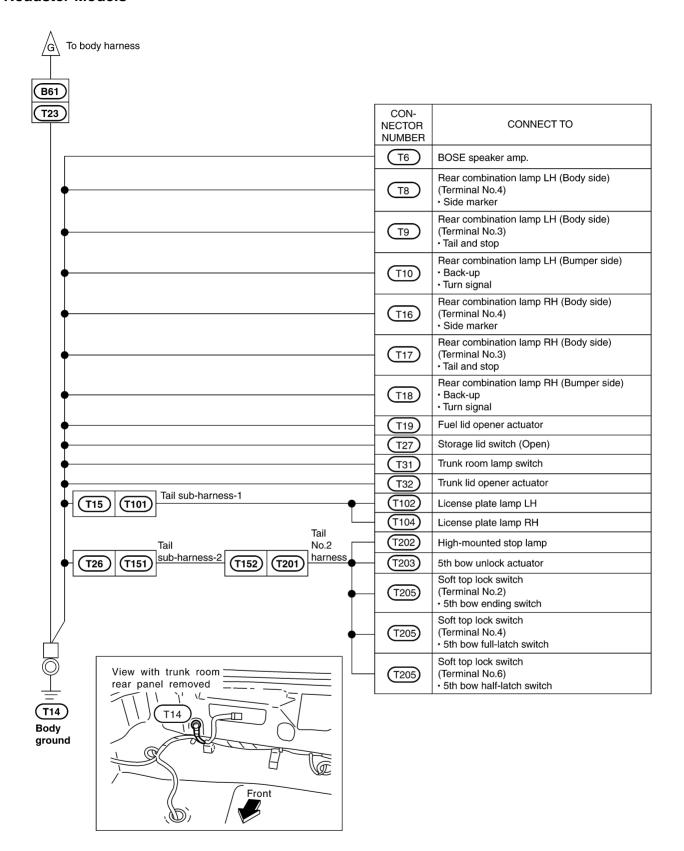
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TAIL HARNESS Coupe Models



Roadster Models



CKIT0471E

В

Α

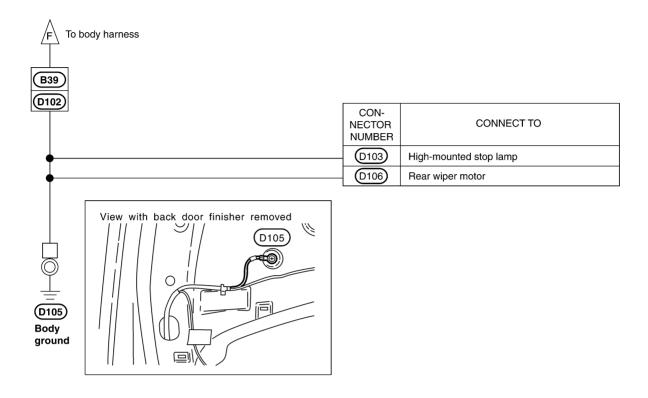
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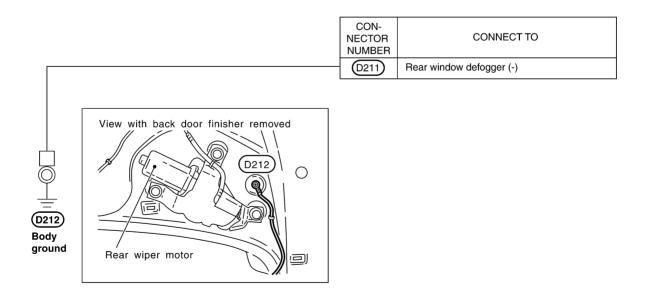
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Н

PG

BACK DOOR HARNESS





CKIT0464E

HARNESS PFP:00011

Harness Layout HOW TO READ HARNESS LAYOUT

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

- Main Harness
- Engine Room Harness (Engine Compartment)
- Engine Control Harness
- Body Harness
- Tail 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 in the below.

	Water p	roof type	Stand	ard type
Connector type	Male	Female	Male	Female
Cavity: Less than 4 Relay connector	Ø	۵	Ø	
Cavity: From 5 to 8				
Cavity: More than 9				
Ground terminal etc.	-	_	(P

CKIT0108E

Example:

G2
E1
B/6: ASCD ACTUATOR

Connector color/Cavity

Connector number

Grid reference

PG

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G

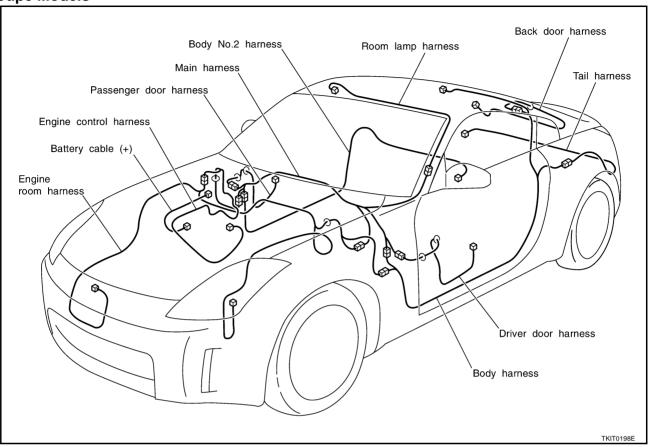
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AKS0012Q

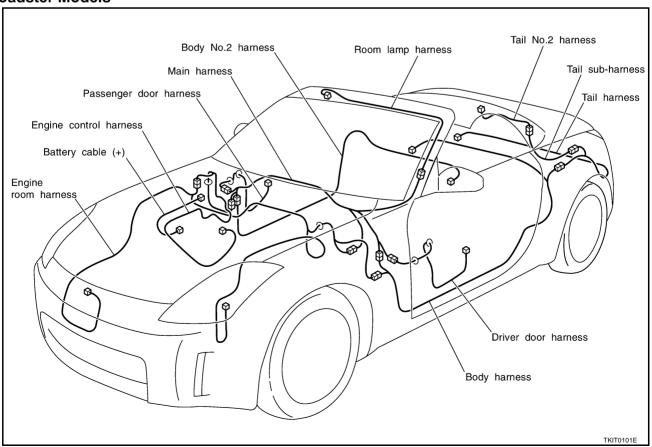
L

OUTLINE

Coupe Models



Roadster Models



TKIT0217E

Α

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С

D

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G

Н

J

L

Switch sub-harness	F3 (M151) W/12 : To (M52)	F3 (M152) W/2 : Ashtray illumination	(M153) W/4 :	G4 (M154) W/6 : Heated seat switch	(Driver side)	(With heated seat)	G4 (M155) BR/6 : Heated seat switch	(Passenger side)	(With heated seat)	G4 (M156) W/6 : Not used		A/C sub-harness	(M251) W/3 : Not used	(M252) W/3	ector (M253) W/3 : Air mix door motor	(M254) W/6 : To (M60)	(M255) W/4 : Intake sensor	(M256) W/3 : Intake door motor			,			////	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	(M254)			(M252) (M252) (M252)	(M253)		(M256)		(MZ55) / (MZ55)				★: Be sure to connect and lock the connectors securely after repair work.	Failure to do so may cause the on-board diagnostic system to light	n circuit detection.
: To (M151)	: Air bag diagnosis sensor unit	: Fuel lid opener relay	: To <u>M254</u>	: Blower motor	: Front passenger air bag module	: Body ground	: To (R1)	: To (R51)	: To (F102)	: To B101	(With navigation system)	: To D31)	: Low tire pressure warning	control unit	: Tire pressure warning check connector	: Audio unit (With BOSE system)	: BCM (Body control module)	: BCM (Body control module)			1			-		`	/		(Fig. 4)	(ISZIM)		/ 	_					★: Be sure to connect and	Failure to do so may	up the MIL as an open circuit detection.
F3 (M52) W/12	G5 (M55) Y/28	E2 (M59) L/4	(M60	E3 (M62) W/6	E2 (M65) Y/4	D2 (M66)	B2 (M69) W/10	D1 (M70) W/4	F2 ★ M72 SMJ	F3 (M73) SMJ		F2 (M74) SMJ	F2 (M77) W/24		F3 (M79) W/2	D4 (M89) W/12	A4 (M90) W/40	A5 (M91) B/15					stem)																	
W/16 : Fuse block (J/B)	W/8 : Fuse block (J/B)	W/16 : Data link connector	•	GY/6 : TCS off switch	(With TCS without VDC system)	SMJ : To D1	SMJ : To (B1)	GY/6 : Fuel lid opener switch	W/6 : Soft top switch (For Roadster models)	SMJ : To (E108)	Y/4 : To (E109)	B/2 : Sunload sensor	W/24 : Combination meter		GY/8 : Combination switch (Spiral cable)	Y/6 : Combination switch (Spiral cable)	BR/2 : Key switch	W/8 : NATS antenna amp.	W/16 : Combination switch	- : Body ground	BR/2 : Security indicator lamp	GY/24 : Display unit (With navigation system)	W/8 : Power cluster lid amp. (With navigation system)	W/8 : NAVI switch (With navigation system)	B/2 : Power socket	W/16 : Audio unit (With navigation system and	with BOSE system)	W/10 : Audio unit	W/6 : Audio unit	W/2 : In-vehicle sensor	W12 : Triple meter	BR/2 : Antenna amp. (Via sub-harness)	BR/8 : Audio unit (With navigation system and	without BOSE system)	W/10 : A/T device (For A/T)	GY/20 : Unified meter and A/C amp.	GY/16 : Unified meter and A/C amp.		B/6 : Yaw rate / side G sensor	(For VDC system)
A4 ★ (M4) W/	$\overline{}$	B4 (M8) W/	$\overline{}$	Ś		E S	A3 ★ (M12) SN	B4 (M13) GY	M14	C4 ★ (M15) SN	_	E2 (M18) B/	_	(M22)	★ (M23)	_	C2 (M25) BR	_	D2 (M29) W/	_	C2 (M34) BR	D2 (M35) GY,	_	E3 (M37) W,	M38	E4 (M39) W/		D4 (M40) W/	D3 (M41) W,	D4 (M42) W,	D1 (M44) W	$\overline{}$	D4 (M46) BR		E4 (M47) W/	E4 (M48) GY,	★ (M49)	M50	F4 (M51) B/	

TKIT0218E

PG-51

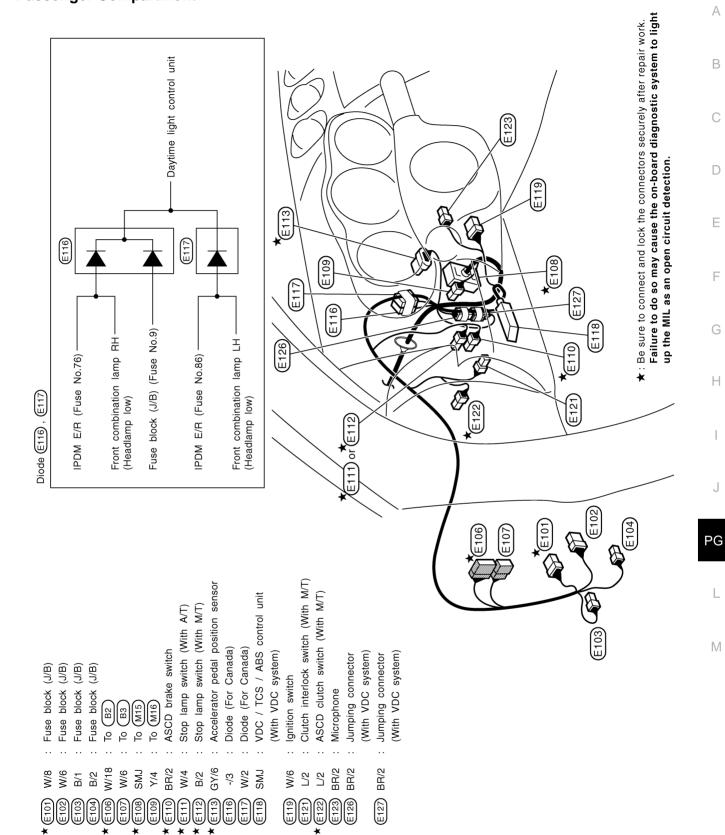
TKIT0201E

★: Be sure to connect and lock the connectors securely after repair work.
Failure to do so may cause the on-board diagnostic system to light up the MIL as an open circuit detection.

GY/2 :	 (E3) BR/2 : Washer level sensor (E31) B/3 : To (E251) 	24 (E32) B/1 : Horn (Low)	24 (E33) B/1 : Horn (Low)	B5 (E34) B/2 : Ambient sensor	34 (E35) B/1 : Horn (High)	A4 (E36) B/1 : Horn (High)	C5 (E37) Y/2 : Crash zone sensor	B5 ★ E38 GY/4 : Cooling fan motor-1 (Via sub-harness)	B5 ★ (E39) GY/4 : Cooling fan motor-2 (Via sub-harness)	E5 (E40) GY/8 : Front combination lamp LH (With xenon headlamp)	E5 (E41) GY/6 : Front combination lamp LH (Without xenon headlamp)	E5 (E42) B/2 : Front wheel sensor LH	E4 ★ (E43) — : Body ground	E3 (E44) GY/2 : Brake fluid level switch	G3 (E47) B/8 : VDC relay box (With VDC system)	r3 (E48) B/2 : VDC relay box (With VDC system)	32 (E49) GY/8 : VDC relay box (With VDC system)	G2 (E50) GY/8 : VDC relay box (With VDC system)	G3 (E51) SMJ : ABS actuator and electric unit (Without VDC system)	F2 (E52) GY/5 : Front wiper motor		Sub-harness	A5 (E251) B/3 : To (E31) B3 (E252) B/3 : Refrigerant pressure sensor
E1 B/2 ::	E1 (E2) GY/2 : Fusible link holder D3 (E3) B/2 : IPDM E/R (Intelligent power distribution module engine room) (: IPDM E/R (Intelligent	D3 ★ (E5) B/4 : IPDM E/R (Intelligent power distribution module engine room)	W/6 : IPDM E/R (Intelligent power distribution module engine room)	(E7) GY/16 :	(E8) W/12 : IPDM E/R (Intelligent power distribution module engine room)	R (Intelligent power distribution module engine room)	C1 (E10) GY/9 : To (F1)) GY/10 : To F2) GY/8 : To F3	light control unit (For Canada)	(E14) GY/6 : Daytime light control unit (For Canada)) GY/8 : Daytime light control unit (For Canada)	B3 ★ E17) — : Body ground	(E18) - : Fuse,fusible link and relay box	D1 (E19) L/4 : Back-up lamp relay (With A/T)	E1 (E21) - : Fuse and fusible link block	C2 (E22) — : Body ground	B3 (E23) GY/2 : Hood switch	GY/8 : Front combination lamp RH (With xenon headlamp)	A3 (E25) GY/6 : Front combination lamp RH (Without xenon headlamp)	C3 (E27) GY/2 : Front wheel sensor RH	A4 (E28) GY/2 : Rear washer motor

TKIT0202E

Passenger Compartment



TKIM0198E

Α

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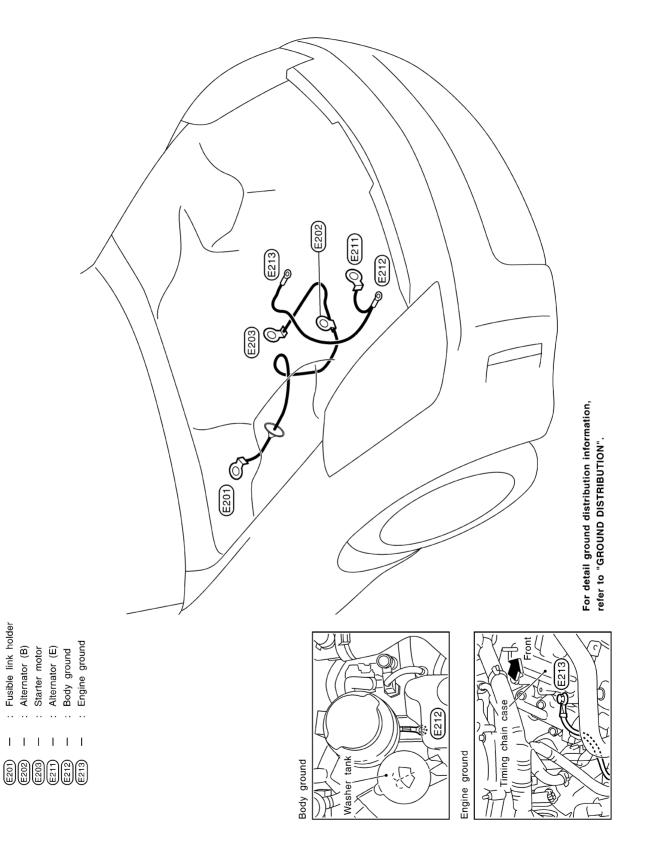
G

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J

L

Battery Cable



CKIT0202E

Engine control harness * **¥** (F151) **★** (F152) D4 * F227 C4 * F228 * * FFT 03 FFT 03 C4 * (F224) C1 ★ (F229) D4 ★ (F225 D4 ★ (F226 EVAP canister purge volume control solenoid valve Intake valve timing control solenoid valve (Bank2) Camshaft position sensor (PHASE) (Bank1) Camshaft position sensor (PHASE) (Bank2) Ignition coil No.5 (With power transistor) Ignition coil No.4 (With power transistor) Ignition coil No.6 (With power transistor) Ignition coil No.2 (With power transistor) Park/Neutral position switch (With M/T) Air fuel ratio (A/F) sensor 1 (Bank 1) Air fuel ratio (A/F) sensor 1 (Bank 2) Engine coolant temperature sensor Crankshaft position sensor (POS) Heated oxygen sensor 2 (Bank1) Heated oxygen sensor 2 (Bank2) : Back-up lamp switch (With M/T) Power steering pressure sensor Electric throttle control actuator A/T assembly (With A/T) Mass air flow sensor Oil pressure sensor Alternator (S, L) Engine ground Starter motor Compressor Condenser To (E12) To (F229) To (F201) To (F221) GY/10 GY/10 GY/3 GY/8 GY/2 GY/4 GY/2 GY/3 GY/2 GY/3 GY/3 GY/3 GY/6 GY/8 GY/1 B/2 W/2 B/3 GY/2 B/4 B/3 B/3 B/6 B/3 B/6 B/6 B/6 B/1 B/2 B/2 F14 (e F11 F19 (F31) (F34) F36 H ★ []] 댐 F24 62 F22 F3 D1 * (F4 F20 F21 C1 * (F2 **★**(E1 * (F3 ★ (F1 *(<u></u> → 10 E3 **★** (F3 ★()**★** [0 B3 **★**(E4 ★(F3 **★**(F2 **★**(C2 ★(C2 ★ E4 ★(CS 22 C4 C2 2 B4 E4 E4 E4 E4

★(F102) F152) **≮**(F151) F103) PASSENGER COMPARTMENT *(F101)

Injector No.6 Knock sensor

To (F14)

SB/2

72

Injector No.5 Injector No.2 Injector No.4

GY/2 GY/2 GY/2 GY/2

To (M72) : ECM (F101) SMJ SMJ W/4

Body ground

Earth sub-harness

: Body ground : To (F103) W/4

Passenger side view with dash side Front (o) F152) finisher removed

For detail ground distribution information, refer to "GROUND DISTRIBUTION".

: Intake valve timing control solenoid valve (Bank1)

Engine control sub-harness-2

: To (F33)

g/8

F3 ★ (F221) C3 **★** (F222)

: Injector No.1 : Injector No.3

GY/2 GY/2

C4 * (F223)

: Ignition coil No.3 (With power transistor) : Ignition coil No.1 (With power transistor)

Engine control sub-harness-1

: To (F18)

C3 ★ (F201)

GY/3 GY/3

C2

B3

<u>G</u>/2

B3 ★ (F204)

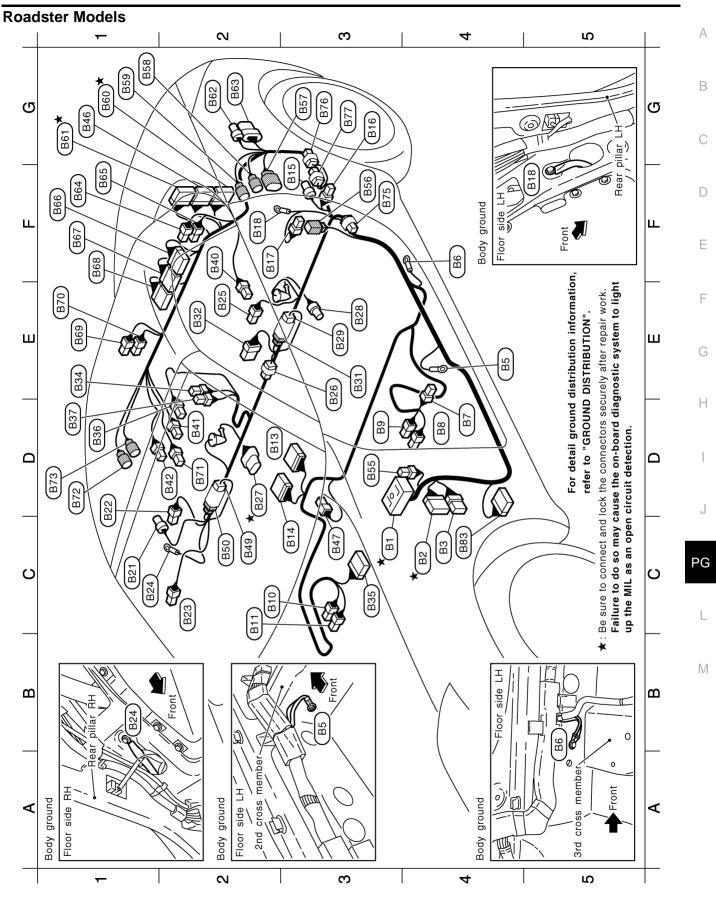
Failure to do so may cause the on-board diagnostic system to light ★: Be sure to connect and lock the connectors securely after repair work. up the MIL as an open circuit detection.

TKIM0199E

TKIM0200E

B37 L/4 : Heat B38 W/3 : To (B39 GY/2 : To (B40 BR/2 : Rear B41 W/2 : Lugg B42 BR/2 : Rear	G2 X B43) W/6 : To T1) G2 X B44) W/16 : To T2) G2 (B45) W/10 : To (T3)(With BOSE system)	G2 $(B46)$ BR/20 : To (74) (With BOSE system) C3 $(B47)$ B/1 : Parking brake switch	D2 (B49) BR/2 : To (B50) D2 (B50) BR/2 : To (B49)	C4 (BB3) W/15 : BCM (Body control module)		*: Be sure to connect and lock the connectors securely after repair work. Failure to do so may cause the on-board diagnostic system to light	up the MIL as an open circuit detection.													
	 3 : Seat belt buckle switch (Driver side) 2 : LH side air bag module (With side air bag) 2 : RH side air bag module (With side air bag) 	Seat belt buckle switch (Passenger side seat (Wit	2 : Air bag diagnosis sensor unit2 : Air bag diagnosis sensor unit			3 : Driver side door switch: Body ground (With side air bad)			: Passenger side door sw	: Body ground (With side air bag)	2 : Woofer (With BOSE system)	2 : Condenser	'5 : Fuel level sensor unit and fuel pump	: Fuel level sensor unit (Si	2 : To (B31)	2 : LH side curtain air bag module (With side air bag) 2 : To (829)	'8 : Woofer amp. (With BOSE system)	2 : RH side curtain air bag module (With side air bag)		2 : Power socket
	D4 (B8) W/3 D4 (B9) Y/2 C3 (B10) Y/2	B12	D3 (B13) Y/12 D3 (B14) Y/12	B15	_	F3 (B17) W/3	B21	C2 (B22) Y/2	C2 (B23) W/3	C2 (B24) —	E2 (B25) W/2	E3 (B26) W/2	C3 ★ B27 GY/5	E3 (B28) GY/2	E3 (B29) W/2	E1 (B30) Y/2 E3 (B31) W/2	E2 (B32) BR/8	$\overline{}$	B34	D1 (B36) B/2

TKIM0201E



TKIM0202E

B55 W/2 :: B56 W/2 :: B57 GY/8 ::	: B28 B/2	(B59) GY/2 : Roc	G1 × (B60) W/20 : 10 (122)	B62 GY/4 : To (G2 (B63) B/6 : To (T25) (With BOSE system)	F1 (B64) W/2 : Storage lid switch LH (Close)	(B65) B/2 :	(B66) W/16	(B67) W/20	(B68) W/12 :	(B69) W/2	B70	B71	D1 (B72) GY/2 : Roof actuator RH	D1 (B73) B/2 : Rear window defogger (Via sub-harness)	F3 (B75) W/2 : Diode	G3 (B76) W/2 : Diode	G3 (B77) W/2 : Diode	C4 (B83) W/15 : BCM (Body control module)		* . Be sure to connect and lock the connectors securely after renair work	Estimate to do so may cause the on-hoard discretic evetem to light	up the MIL as an open circuit detection.											
* (B1) SMJ) - : Body	(B6) — : Body groun	D4 (B) W/4 : Driver side seat	(B9) Y/2 : LH side air bag module (W	C2 (B10) Y/2 : RH side air bag module (With side air bag)	C2 (B11) W/3 : Seat belt buckle switch (Passenger side)	(B13) Y/12 :	Y/12 : Air bag diagnosis sensor	 (B15) Y/2	: Z/X (W/3 : Driver side door switch	 	C1 (B21) Y/2 : RH side air bag (satellite) sensor (With side air bag)	D1 (B22) Y/2 : Seat belt pre-tensioner RH	C2 (B23) W/3 : Passenger side door switch	C1 (B24) - : Body ground (With side air bag)	E2 (B25) W/2 : Woofer (With BOSE system)	E3 (B26) W/2 : Condenser	D2 * B27 GY/5 : Fuel level sensor unit and fuel pump	(B28) GY/2 :	(B29) W/2 : To	(B31) W/2 : 10 (B29)	(B32) BR/8 : Woofer amp. (With BC	EI (B34) BH/b : hear William delogger relay	BSS W/16 . rassellgel side	B/2 : Power socket	$\overline{}$	F2 (B40) BR/2 : Rear speaker LH	D2 (B41) W/2 : Luggage floor box lamp	D2 (B42) BR/2 : Rear speaker RH) BR/20 :) B/1 : Paı	C2 (B49) BR/2 : To (B50)) BH/Z : 10

TKIM0203E

Soft top switch (5th bow full-latch switch)
Passenger side seat control unit Passenger side seat control unit Passenger side seat control unit Soft top switch Soft top switch

TKIT0117E

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M

Soft top control unit

Diode (B77)

Soft top control unit

Diode (B75)

Soft top control unit

Diode (B76)

BODY NO.2 HARNESS For detail ground distribution information, refer to "GROUND DISTRIBUTION". (B101) (B105) (B102) cross member Front Option connector (For satellite radio receiver) : NAVI control unit (With navigation system) : NAVI control unit (With navigation system) (For Coupe models with BOSE system) : Body ground (With navigation system) : Body ground (With navigation system) (B103) Floor side RH Body ground (B102) BT01 SMJ BT02 – BT03 – BT04 W/24 BT05 GY/24 BT06 W/12 member-Floor side RH/ Body ground 2nd cross Front

TKIT0226E

T18)

(T14

T104

T103

* T21

(T12)

T5

* (T20)

T16

T13 T19)

T101)

91

(T102)

T15

E

TAIL HARNESS

Coupe Models

: Rear combination lamp RH (Bumper side) EVAP canister vent control valve Fuel lid opener actuator W/4

GY/3

EVAP control system pressure sensor

Fail sub-harness-1

BOSE speaker amp. (With BOSE system) BOSE speaker amp. (With BOSE system)

Rear wheel sensor

BR/20 GY/4 GY/8 B/24 GY/2 GY/3

T-15

(B45) (With BOSE system) To (B46) (With BOSE system)

B43 B44

Rear combination lamp LH (Bumper side)

Back door opener actuator

SB/4 W/4 W/3 Luggage room lamp

GY/2

Body ground

To (T101)

Back door switch

Rear combination lamp LH (Body side)

Rear combination lamp LH (Body side)

: License plate lamp LH : To (T15) GY/4 BR/2

[10] (T102)

Back door opener switch : License plate lamp RH BR/2 GY/2 (T104) (T103)

: Be sure to connect and lock the connectors securely after repair work. Failure to do so may cause the on-board diagnostic system to light up the MIL as an open circuit detection.

Rear combination lamp RH (Body side)

Rear combination lamp RH (Body side)

[2 <u>8</u> 61 [|] 4 F [2 <u>1</u>3 View with luggage room rear panel removed T14 Body ground

For detail ground distribution information, refer to "GROUND DISTRIBUTION".

Α

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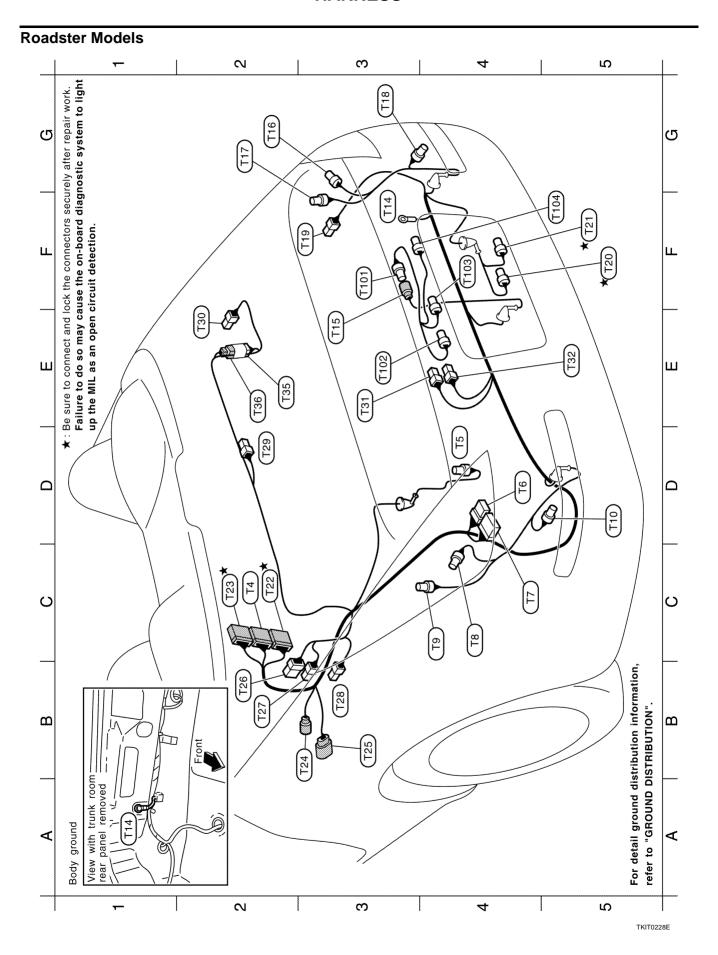
J

PG

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M

TKIT0227E



PG-64

Α

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M

Tail sub-harness-1

: License plate lamp LH : To (T15) BR/2

GY/2

: License plate lamp RH BR/2 T104

★: Be sure to connect and lock the connectors securely after repair work. Failure to do so may cause the on-board diagnostic system to light

up the MIL as an open circuit detection.

Rear combination lamp RH (Bumper side)

Fuel lid opener actuator

W/4

(T19

B/2

EVAP control system pressure sensor EVAP canister vent control valve

> GY/3 W/20 W/16 GY/4

To (B60)

To (B61)

TZZ 42Z

To (B62) (With BOSE system)

To (B63) (With BOSE system)

Storage lid switch (Open)

To (T151)

8/M

T26) T27)

B/2 W/2 W/2 W/2 W/2 B/2 W/2

T28

T29

T30

T31

T32

9/8

T25

Storage lid actuator LH

Trunk room lamp

Trunk lid opener actuator

70 T36 T35

T36

T35

Trunk room lamp switch

Storage lid actuator RH

Rear combination lamp RH (Body side) Rear combination lamp RH (Body side)

GY/4 T101) T102)

> BOSE speaker amp. (With BOSE system) BOSE speaker amp. (With BOSE system)

GY/8 B/24 GY/2

(9 1

To (B46) (With BOSE system)

BR/20 GY/4

Rear wheel sensor

Rear combination lamp LH (Bumper side)

Body ground

To (T101)

GY/4 GY/2 GY/3 SB/4

T15 T14

T16)

117 118

Rear combination lamp LH (Body side) Rear combination lamp LH (Body side)

GY/3

ြို

(₈2

17

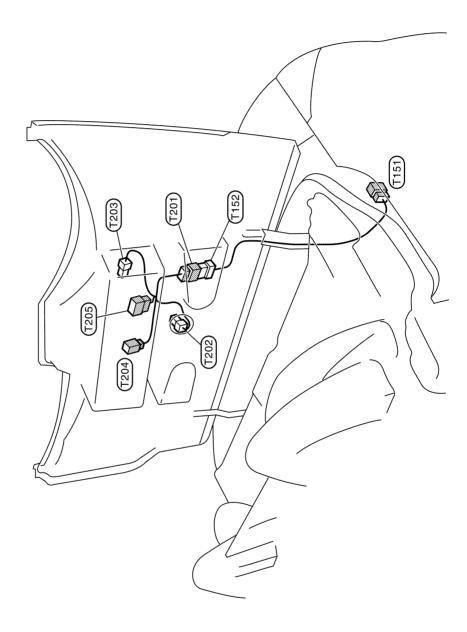
SB/4

T103

Trunk lid opener switch F3 F4 F5

TKIT0229E

TAIL NO.2 HARNESS Roadster Models



5th bow unlock actuator 5th bow closure motor Soft top lock switch

W/8 BB/2 W/4 B/2

: To (T152) : High-mounted stop lamp

Tail No.2 harness

W/8 : To (T26) W/8 : To (T201)
 Tail sub-harness-2

 (T151) W/8 : To (T26)

 (T152) W/8 : To (T201)

R51

ROOM LAMP HARNESS Coupe Models

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D

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F

G

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РG

J

L

M

R1 R3 (H52) R5 H5

 Room lamp sub-harness

 (H51) W/4 : To (M70)

 (H52) W/3 : Map lamp

: To (M69) : Vanity mirror lamp LH

: Auto anti-dazzling inside mirror : Vanity mirror lamp RH W/10 W/2 B/10 W/2

TKIT0209E

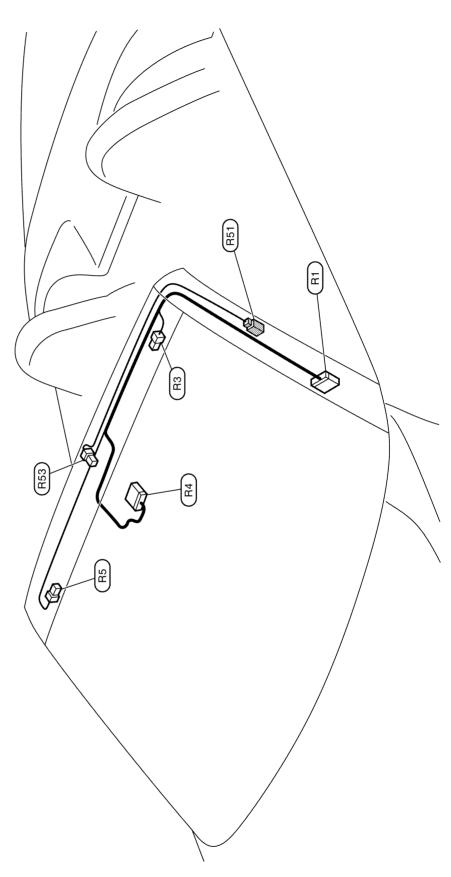
Roadster Models

Room lamp sub-harness

(R51) W/4 : To (M70) (R53) W/4 : Map lamp

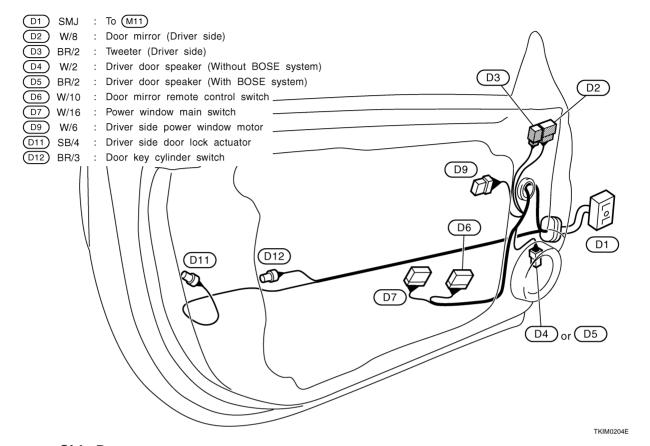
: To (ME9)
: Vanity mirror lamp LH
: Auto anti-dazzling inside mirror
: Vanity mirror lamp RH

(R1) W/10 (R3) W/2 (R4) B/10 (R5) W/2

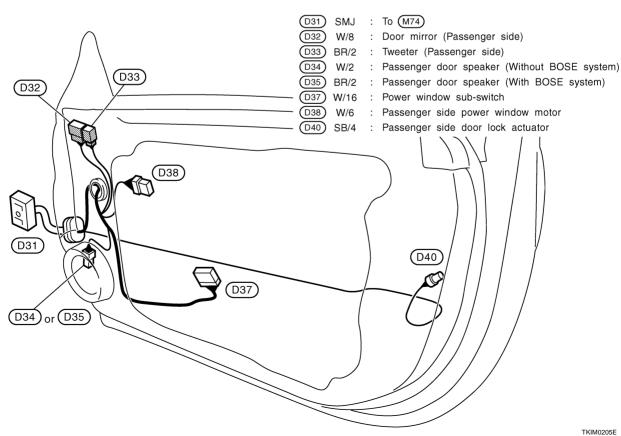


TKIT0210E

DOOR HARNESS Driver Side Door



Passenger Side Door



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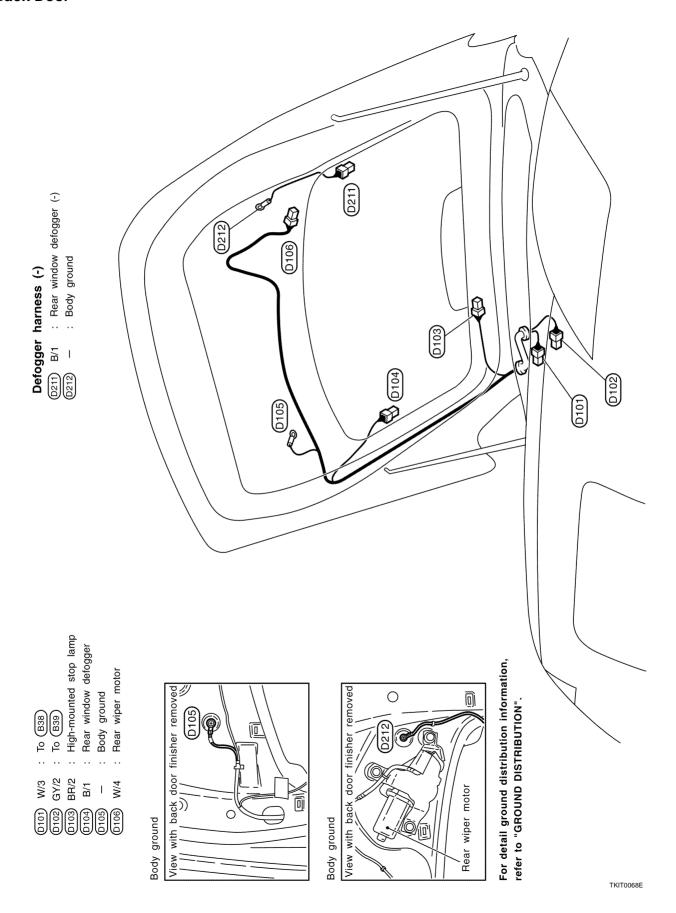
F

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L

Back Door



Wiring Diagram Codes (Cell Codes)

AKS00A3P

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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
3METER	DI	Triple Meter
ABS	BRC	Anti-Lock Brake System
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
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
CLOCK	DI	Clock
COMBSW	LT	Combination Switch
COOL/F	EC	Cooling Fan Control
DEF	GW	Rear Window Defogger
D/LOCK	BL	Power Door Lock
DTRL	LT	Headlamp - With Daytime Light System
ECM/PW	EC	ECM Power Supply for Back-Up
ECTS	EC	Engine Coolant Temperature Sensor
ETC1	EC	Electric Throttle Control Function
ETC2	EC	Electric Throttle Control Motor Relay
ETC3	EC	Electric Throttle Control Motor
F/LID	BL	Fuel Lid Opener
F/PUMP	EC	Fuel Pump
F/ROOF	RF	Soft Top
FTS	AT	A/T Fluid Temperature Sensor Circuit
FTTS	EC	Fuel Tank Temperature Sensor
FUELB1	EC	Fuel Injection System Function (Bank 1)
FUELB2	EC	Fuel Injection System Function (Bank 2)

PG-71

Hichams	Code	Section	Wiring Diagram Name
HSEAT	H/LAMP	LT	Headlamp
IATS	HORN	WW	Horn
Internation	HSEAT	SE	Heated Seat
ILL	IATS	EC	Intake Air Temperature Sensor
IVMIRR GW Inside Mirror (Auto Anti-Dazzling Mirror) 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 MANT AV Manual Antenna METER DI Speedometer, Tachometer, Temp. and Fuel Gauges MILDL EC MIL & Data Link Connectors MIRROR GW Power Door Mirror MMSW AT Manual Mode Switch NATS BL Nissan Anti-Theft System NAVI Navigation System NONDTC AT Non-Detective Items 02H1B1 EC Heated Oxygen Sensor 1 Heater Bank 1 02H1B2 EC Heated Oxygen Sensor 2 Heater Bank 2	IGNSYS	EC	Ignition System
INJECT	ILL	LT	Illumination
IVCB1	I/MIRR	GW	Inside Mirror (Auto Anti-Dazzling Mirror)
Intake Valve Timing Control Solenoid Valve Bank 2	INJECT	EC	Injector
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 MANT AV Manual Antenna METER DI Speedometer, Tachometer, Temp. and Fuel Gauges MIL/DL EC MIL & Data Link Connectors MIRROR GW Power Door Mirror MMSW AT Manual Mode Switch NATS BL Nissan Anti-Theft System NAVI AV Navigation System NONDTC AT Non-Detective Items O2H1B1 EC Heated Oxygen Sensor 1 Heater Bank 1 O2H1B2 EC Heated Oxygen Sensor 1 Heater Bank 2 O2H2B1 EC Heated Oxygen Sensor 2 Heater Bank 2 O251B1 EC Heated Oxygen Sensor 1 Bank 1 O251B2 EC Heated Oxygen Sensor 2 Bank 1 O252B2 EC Heated Oxygen Sensor 2 Bank 2	IVCB1	EC	Intake Valve Timing Control Solenoid Valve Bank 1
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 MANT AV Manual Antenna METER DI Speedometer, Tachometer, Temp. and Fuel Gauges MIL/DL EC MIL & Data Link Connectors MIRROR GW Power Door Mirror MMSW AT Manual Mode Switch NATS BL Nissan Anti-Theft System NAVI AV Navigation System NONDTC AT Non-Detective Items 02H1B1 EC Heated Oxygen Sensor 1 Heater Bank 1 02H1B2 EC Heated Oxygen Sensor 1 Heater Bank 2 02H2B1 EC Heated Oxygen Sensor 2 Heater Bank 1 02H2B2 EC Heated Oxygen Sensor 1 Bank 1 02S1B1 EC Heated Oxygen Sensor 1 Bank 2 02S1B2 EC Heated Oxygen Sensor 2 Bank 1 02S2B2 EC Heated Oxygen Sensor 2 Bank 2	IVCB2	EC	Intake Valve Timing Control Solenoid Valve Bank 2
MAFS EC Mass Air Flow Sensor MAIN AT Main Power Supply and Ground Circuit MAIN EC Main Power Supply and Ground Circuit MANT AV Manual Antenna METER DI Speedometer, Tachometer, Temp. and Fuel Gauges MIL/DL EC MIL & Data Link Connectors MIRROR GW Power Door Mirror MMSW AT Manual Mode Switch NATS BL Nissan Anti-Theft System NAVI AV Navigation System NONDTC AT Non-Detective Items O2H1B1 EC Heated Oxygen Sensor 1 Heater Bank 1 O2H1B2 EC Heated Oxygen Sensor 2 Heater Bank 2 O2H2B1 EC Heated Oxygen Sensor 2 Heater Bank 2 O2H2B2 EC Heated Oxygen Sensor 1 Bank 1 O2S1B1 EC Heated Oxygen Sensor 1 Bank 1 O2S2B2 EC Heated Oxygen Sensor 2 Bank 1 O2S2B2 EC Heated Oxygen Sensor 1 Bank 2 PGC/V EC EVAP Canister Purge Volume Control Solen	KEYLES	BL	Remote Keyless Entry System
MAIN AT Main Power Supply and Ground Circuit MAIN EC Main Power Supply and Ground Circuit MANT AV Manual Antenna METER DI Speedometer, Tachometer, Temp. and Fuel Gauges MIL/DL EC MIL & Data Link Connectors MIRROR GW Power Door Mirror MMSW AT Manual Mode Switch NATS BL Nissan Anti-Theft System NAVI AV Navigation System NONDTC AT Non-Detective Items O2H1B1 EC Heated Oxygen Sensor 1 Heater Bank 1 O2H1B2 EC Heated Oxygen Sensor 2 Heater Bank 2 O2H2B1 EC Heated Oxygen Sensor 2 Heater Bank 2 O2H2B2 EC Heated Oxygen Sensor 1 Bank 1 O2S1B2 EC Heated Oxygen Sensor 1 Bank 1 O2S2B1 EC Heated Oxygen Sensor 2 Bank 1 O2S2B1 EC Heated Oxygen Sensor 2 Bank 1 O2S2B2 EC Heated Oxygen Sensor 3 Bank 2 O2S2B1 EC Heated Oxygen Sensor 6 Bank 2 O2S2B1 EC Heated Oxygen Sensor 9 Bank 1 O2S2B2 EC Heated Oxygen Sensor 9 Bank 1 O2S2B3 EC Heated Oxygen Sensor 9 Bank 2 O2S2B1 EC Heated Oxygen Sensor 9 Bank 2 O2S2B1 EC Heated Oxygen Sensor 9 Bank 2 O2S2B1 EC Heated Oxygen Sensor 9 Bank 2 O2S2B2 EC Heated Oxygen Sensor 9 Bank 2 O2S2B3 EC Heated Oxygen Sensor 9 Bank 9 O2S2B3 EC Camshaft Position Sensor 9 Bank 9 O2S2B3 EC Canshaft Position S	KS	EC	Knock Sensor
MAIN EC Main Power Supply and Ground Circuit M/ANT AV Manual Antenna METER DI Speedometer, Tachometer, Temp. and Fuel Gauges MIL/DL EC MIL & Data Link Connectors MIRROR MISW AT Manual Mode Switch NATS BL Nissan Anti-Theft System NAVI AV Navigation System NONDTC AT Non-Detective Items O2H1B1 EC Heated Oxygen Sensor 1 Heater Bank 1 O2H1B2 EC Heated Oxygen Sensor 2 Heater Bank 2 O2H2B1 EC Heated Oxygen Sensor 2 Heater Bank 2 O2H2B2 EC Heated Oxygen Sensor 1 Bank 1 O2S1B2 EC Heated Oxygen Sensor 1 Bank 1 O2S2B1 EC Heated Oxygen Sensor 2 Bank 1 O2S2B1 EC Heated Oxygen Sensor 2 Bank 1 O2S2B2 EC Heated Oxygen Sensor 2 Bank 1 O2S2B2 EC Heated Oxygen Sensor 2 Bank 1 O2S2B2 EC Heated Oxygen Sensor 2 Bank 2 C2S2B1 EC Heated Oxygen Sensor 2 Bank 1 O2S2B2 EC Heated Oxygen Sensor 9 Bank 1 C2S2B2 EC Heated Oxygen Sensor 1 Bank 2 C2S2B1 EC Heated Oxygen Sensor 1 Bank 2 C2S2B1 EC Heated Oxygen Sensor 9 Bank 1 C2S2B2 EC Heated Oxygen Sensor 9 Bank 1 C2S2B2 EC Heated Oxygen Sensor 1 Bank 2 C2S2B1 EC Heated Oxygen Sensor 1 Bank 2 C2S2B2 EC Heated Oxygen Sensor 1 Bank 2 C2S2B2 EC Heated Oxygen Sensor 1 Bank 1 C2S2B2 EC Heated Oxygen Sensor 1 Bank 1 C2S2B2 EC Heated Oxygen Sensor 1 Bank 2 C2S2B1 EC Heated Oxygen Sensor 1 Bank 2 C2S2B1 EC Heated Oxygen Sensor 1 Bank 1 C2S2B2 EC Heated Oxygen Sensor 1 Bank 1 C2	MAFS	EC	Mass Air Flow Sensor
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METER DI Speedometer, Tachometer, Temp. and Fuel Gauges MIL/DL EC MIL & Data Link Connectors MIRROR GW Power Door Mirror MMSW AT Manual Mode Switch NATS BL Nissan Anti-Theft System NAVI AV Navigation System NONDTC AT Non-Detective Items 02H1B1 EC Heated Oxygen Sensor 1 Heater Bank 1 02H1B2 EC Heated Oxygen Sensor 1 Heater Bank 2 02H2B1 EC Heated Oxygen Sensor 2 Heater Bank 2 02H2B2 EC Heated Oxygen Sensor 1 Bank 1 02H2B2 EC Heated Oxygen Sensor 1 Bank 1 02S1B2 EC Heated Oxygen Sensor 2 Bank 2 02S2B1 EC Heated Oxygen Sensor 2 Bank 2 02S2B2 EC Heated Oxygen Sensor 2 Bank 2 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) PN/SW E	MAIN	EC	Main Power Supply and Ground Circuit
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MIRROR MISW AT Manual Mode Switch NATS BL Nissan Anti-Theft System NAVI AV Navigation System NONDTC AT Non-Detective Items O2H1B1 EC Heated Oxygen Sensor 1 Heater Bank 1 O2H1B2 EC Heated Oxygen Sensor 2 Heater Bank 2 O2H2B1 EC Heated Oxygen Sensor 2 Heater Bank 1 O2H2B2 EC Heated Oxygen Sensor 2 Heater Bank 1 O2H2B2 EC Heated Oxygen Sensor 2 Heater Bank 2 O2S1B1 EC Heated Oxygen Sensor 1 Bank 1 O2S1B2 EC Heated Oxygen Sensor 1 Bank 1 O2S2B2 EC Heated Oxygen Sensor 1 Bank 2 O2S2B1 EC Heated Oxygen Sensor 1 Bank 2 O2S2B2 EC Heated Oxygen Sensor 2 Bank 1 O2S2B2 EC Heated Oxygen Sensor 2 Bank 1 O2S2B2 EC Heated Oxygen Sensor 2 Bank 1 C2S2B2 EC Heated Oxygen Sensor 2 Bank 1 C2S2B2 EC Heated Oxygen Sensor 9 Bank 2 C2S2B1 EC Heated Oxygen Sensor 9 Bank 1 C2S2B2 EC Heated Oxygen Sensor 9 Bank 1 C2S2B2 EC Heated Oxygen Sensor 9 Bank 2 C3S2B2 EC Heated Oxygen Sensor 9 Bank 1 C2S2B2 EC Heated Oxygen Sensor 9 Bank 1 C2S2B2 EC Heated Oxygen Sensor 9 Bank 2 C3S2B2 EC Heated Oxygen Sensor 9 Bank 1 C2S2B2 C2S2B1 EC Heated Oxygen Sensor 9 Bank 1 C2S2B2 C2S2B1 EC Heated Oxygen Sensor 9 Bank 1 C2S2B2 C2S2B1 EC Heated Oxygen Sensor 9 Bank 1 C2S2B2 C2S2B1 EC Heated Oxygen Sensor 9 Bank 1 C2S2B2 C2S2B1 EC Heated Oxygen Sensor 9 Bank 1 C2S2B2 C2S2B1 EC Heated Oxygen Sensor 9 Bank 1 C2S2B2 C2S2B1 EC Heated Oxygen Sensor 9 Bank 1 C2S2B2 C2S2B1 EC Heated Oxygen Sensor 9 Bank 1 C2S2B2 C2S2B1 C2S2B2 C2S2B1 EC Heated Oxygen Sensor 9 Bank 1 C2S2B2 C2S2B1 C2S2B2 C2S2B1 C2S2B2 C2S2B2 C2S2B1 C2S2B2 C	METER	DI	Speedometer, Tachometer, Temp. and Fuel Gauges
MMSW AT Manual Mode Switch NATS BL Nissan Anti-Theft System NAVI AV Navigation System NONDTC AT Non-Detective Items O2H1B1 EC Heated Oxygen Sensor 1 Heater Bank 1 O2H1B2 EC Heated Oxygen Sensor 1 Heater Bank 2 O2H2B1 EC Heated Oxygen Sensor 2 Heater Bank 2 O2H2B1 EC Heated Oxygen Sensor 2 Heater Bank 1 O2H2B2 EC Heated Oxygen Sensor 2 Heater Bank 2 O2S1B1 EC Heated Oxygen Sensor 1 Bank 1 O2S1B2 EC Heated Oxygen Sensor 1 Bank 1 O2S2B2 EC Heated Oxygen Sensor 2 Bank 1 O2S2B2 EC Heated Oxygen Sensor 2 Bank 1 O2S2B2 EC Heated Oxygen Sensor 2 Bank 2 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 PNP/SW EC Canshaft Position Sensor (CKPS) (POS) POWER PG Power Supply Routing PRE/SE EC EVAP Control System Pressure Sensor P/SCKT WW Power Socket PS/SEN EC Power Steering Pressure Sensor	MIL/DL	EC	MIL & Data Link Connectors
NATS BL Nissan Anti-Theft System NAVI AV Navigation System NONDTC AT Non-Detective Items O2H1B1 EC Heated Oxygen Sensor 1 Heater Bank 1 O2H1B2 EC Heated Oxygen Sensor 1 Heater Bank 2 O2H2B1 EC Heated Oxygen Sensor 2 Heater Bank 2 O2H2B1 EC Heated Oxygen Sensor 2 Heater Bank 1 O2H2B2 EC Heated Oxygen Sensor 2 Heater Bank 2 O2S1B1 EC Heated Oxygen Sensor 1 Bank 1 O2S1B2 EC Heated Oxygen Sensor 1 Bank 2 O2S2B1 EC Heated Oxygen Sensor 1 Bank 2 O2S2B1 EC Heated Oxygen Sensor 2 Bank 2 O2S2B2 EC Heated Oxygen Sensor 2 Bank 2 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 PRE/SE EC EVAP Control System Pressure Sensor P/SCKT WW Power Socket PS/SEN EC Power Steering Pressure Sensor	MIRROR	GW	Power Door Mirror
NAVI AV Navigation System NONDTC AT Non-Detective Items O2H1B1 EC Heated Oxygen Sensor 1 Heater Bank 1 O2H1B2 EC Heated Oxygen Sensor 1 Heater Bank 2 O2H2B1 EC Heated Oxygen Sensor 2 Heater Bank 1 O2H2B2 EC Heated Oxygen Sensor 2 Heater Bank 1 O2H2B2 EC Heated Oxygen Sensor 2 Heater Bank 2 O2S1B1 EC Heated Oxygen Sensor 1 Bank 1 O2S1B2 EC Heated Oxygen Sensor 1 Bank 2 O2S2B1 EC Heated Oxygen Sensor 1 Bank 2 O2S2B2 EC Heated Oxygen Sensor 2 Bank 1 O2S2B2 EC Heated Oxygen Sensor 2 Bank 2 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 PRE/SE EC EVAP Control System Pressure Sensor P/SCKT WW Power Socket PS/SEN EC Power Steering Pressure Sensor	MMSW	AT	Manual Mode Switch
NONDTC AT Non-Detective Items O2H1B1 EC Heated Oxygen Sensor 1 Heater Bank 1 O2H1B2 EC Heated Oxygen Sensor 1 Heater Bank 2 O2H2B1 EC Heated Oxygen Sensor 2 Heater Bank 1 O2H2B2 EC Heated Oxygen Sensor 2 Heater Bank 2 O2S1B1 EC Heated Oxygen Sensor 2 Heater Bank 2 O2S1B2 EC Heated Oxygen Sensor 1 Bank 1 O2S1B2 EC Heated Oxygen Sensor 1 Bank 2 O2S2B1 EC Heated Oxygen Sensor 1 Bank 2 O2S2B2 EC Heated Oxygen Sensor 2 Bank 1 O2S2B2 EC Heated Oxygen Sensor 2 Bank 1 O2S2B2 EC Heated Oxygen Sensor 2 Bank 2 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 PNP/SW EC Park/Neutral Position Sensor (CKPS) (POS) POWER PG POWER PG Power Supply Routing PRE/SE EC EVAP Control System Pressure Sensor P/SCKT WW Power Socket PS/SEN EC Power Steering Pressure Sensor	NATS	BL	Nissan Anti-Theft System
D2H1B1 EC Heated Oxygen Sensor 1 Heater Bank 1 O2H1B2 EC Heated Oxygen Sensor 1 Heater Bank 2 O2H2B1 EC Heated Oxygen Sensor 2 Heater Bank 1 O2H2B2 EC Heated Oxygen Sensor 2 Heater Bank 2 O2S1B1 EC Heated Oxygen Sensor 1 Bank 1 O2S1B2 EC Heated Oxygen Sensor 1 Bank 1 O2S1B2 EC Heated Oxygen Sensor 1 Bank 2 O2S2B1 EC Heated Oxygen Sensor 2 Bank 1 O2S2B2 EC Heated Oxygen Sensor 2 Bank 1 O2S2B2 EC Heated Oxygen Sensor 2 Bank 1 C2S2B2 EC Heated Oxygen Sensor 2 Bank 1 C2S2B2 EC Heated Oxygen Sensor (PHASE) (Bank 1) 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 PG POwer Supply Routing PRE/SE EC EVAP Control System Pressure Sensor P/SCKT WW Power Socket PS/SEN EC Power Steering Pressure Sensor	NAVI	AV	Navigation System
D2H1B2 EC Heated Oxygen Sensor 1 Heater Bank 2 D2H2B1 EC Heated Oxygen Sensor 2 Heater Bank 1 D2H2B2 EC Heated Oxygen Sensor 2 Heater Bank 2 D2S1B1 EC Heated Oxygen Sensor 1 Bank 1 D2S1B2 EC Heated Oxygen Sensor 1 Bank 2 D2S2B1 EC Heated Oxygen Sensor 1 Bank 2 D2S2B1 EC Heated Oxygen Sensor 2 Bank 1 D2S2B2 EC Heated Oxygen Sensor 2 Bank 1 D2S2B2 EC Heated Oxygen Sensor 2 Bank 2 EC Heated Oxygen Sensor 2 Bank 1 D2S2B2 EC Heated Oxygen Sensor (PHASE) (Bank 1) EC EVAP Canister Purge Volume Control Solenoid Valve EC EVAP Canister Position Sensor (PHASE) (Bank 1) PHSB1 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 PG POWER Supply Routing PRE/SE EC EVAP Control System Pressure Sensor P/SCKT WW Power Socket PS/SEN EC Power Steering Pressure Sensor	NONDTC	AT	Non-Detective Items
O2H2B1 EC Heated Oxygen Sensor 2 Heater Bank 1 O2H2B2 EC Heated Oxygen Sensor 2 Heater Bank 2 O2S1B1 EC Heated Oxygen Sensor 1 Bank 1 O2S1B2 EC Heated Oxygen Sensor 1 Bank 2 O2S2B1 EC Heated Oxygen Sensor 1 Bank 2 O2S2B1 EC Heated Oxygen Sensor 2 Bank 1 O2S2B2 EC Heated Oxygen Sensor 2 Bank 2 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 PRE/SE EC EVAP Control System Pressure Sensor P/SCKT WW Power Socket PS/SEN EC Power Steering Pressure Sensor	O2H1B1	EC	Heated Oxygen Sensor 1 Heater Bank 1
O2H2B2 EC Heated Oxygen Sensor 2 Heater Bank 2 O2S1B1 EC Heated Oxygen Sensor 1 Bank 1 O2S1B2 EC Heated Oxygen Sensor 1 Bank 2 O2S2B1 EC Heated Oxygen Sensor 2 Bank 1 O2S2B2 EC Heated Oxygen Sensor 2 Bank 1 O2S2B2 EC Heated Oxygen Sensor 2 Bank 2 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 PRE/SE EC EVAP Control System Pressure Sensor P/SCKT WW Power Socket PS/SEN EC Power Steering Pressure Sensor	O2H1B2	EC	Heated Oxygen Sensor 1 Heater Bank 2
O2S1B1 EC Heated Oxygen Sensor 1 Bank 1 O2S1B2 EC Heated Oxygen Sensor 1 Bank 2 O2S2B1 EC Heated Oxygen Sensor 2 Bank 1 O2S2B2 EC Heated Oxygen Sensor 2 Bank 2 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 Sensor (CKPS) (POS) POWER PG Power Supply Routing PRE/SE EC EVAP Control System Pressure Sensor P/SCKT WW Power Socket PS/SEN EC Power Steering Pressure Sensor	O2H2B1	EC	Heated Oxygen Sensor 2 Heater Bank 1
O2S1B2 EC Heated Oxygen Sensor 1 Bank 2 O2S2B1 EC Heated Oxygen Sensor 2 Bank 1 O2S2B2 EC Heated Oxygen Sensor 2 Bank 2 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 PRE/SE EC EVAP Control System Pressure Sensor P/SCKT WW Power Socket PS/SEN EC Power Steering Pressure Sensor	O2H2B2	EC	Heated Oxygen Sensor 2 Heater Bank 2
O2S2B1 EC Heated Oxygen Sensor 2 Bank 1 O2S2B2 EC Heated Oxygen Sensor 2 Bank 2 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 PRE/SE EC EVAP Control System Pressure Sensor P/SCKT WW Power Socket PS/SEN EC Power Steering Pressure Sensor	O2S1B1	EC	Heated Oxygen Sensor 1 Bank 1
D2S2B2 EC Heated Oxygen Sensor 2 Bank 2 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 PRE/SE EC EVAP Control System Pressure Sensor P/SCKT WW Power Socket PS/SEN EC Power Steering Pressure Sensor	O2S1B2	EC	Heated Oxygen Sensor 1 Bank 2
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 PRE/SE EC EVAP Control System Pressure Sensor P/SCKT WW Power Socket PS/SEN EC Power Steering Pressure Sensor	O2S2B1	EC	Heated Oxygen Sensor 2 Bank 1
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 PRE/SE EC EVAP Control System Pressure Sensor P/SCKT WW Power Socket PS/SEN EC Power Steering Pressure Sensor	O2S2B2	EC	Heated Oxygen Sensor 2 Bank 2
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 PRE/SE EC EVAP Control System Pressure Sensor P/SCKT WW Power Socket PS/SEN EC Power Steering Pressure Sensor	PGC/V	EC	EVAP Canister Purge Volume Control Solenoid Valve
PNP/SW EC Park/Neutral Position Switch EC Park/Neutral Position Switch EC Park/Neutral Position Switch EC Crankshaft Position Sensor (CKPS) (POS) POWER PG Power Supply Routing PRE/SE EC EVAP Control System Pressure Sensor P/SCKT WW Power Socket PS/SEN EC Power Steering Pressure Sensor	PHSB1	EC	Camshaft Position Sensor (PHASE) (Bank 1)
PNP/SW EC Park/Neutral Position Switch POS EC Crankshaft Position Sensor (CKPS) (POS) POWER PG Power Supply Routing PRE/SE EC EVAP Control System Pressure Sensor P/SCKT WW Power Socket PS/SEN EC Power Steering Pressure Sensor	PHSB2	EC	Camshaft Position Sensor (PHASE) (Bank 2)
POS EC Crankshaft Position Sensor (CKPS) (POS) POWER PG Power Supply Routing PRE/SE EC EVAP Control System Pressure Sensor P/SCKT WW Power Socket PS/SEN EC Power Steering Pressure Sensor	PNP/SW	AT	
POWER PG Power Supply Routing PRE/SE EC EVAP Control System Pressure Sensor P/SCKT WW Power Socket PS/SEN EC Power Steering Pressure Sensor	PNP/SW	EC	Park/Neutral Position Switch
POWER PG Power Supply Routing PRE/SE EC EVAP Control System Pressure Sensor P/SCKT WW Power Socket PS/SEN EC Power Steering Pressure Sensor		EC	Crankshaft Position Sensor (CKPS) (POS)
PRE/SE EC EVAP Control System Pressure Sensor P/SCKT WW Power Socket PS/SEN EC Power Steering Pressure Sensor			
P/SCKT WW Power Socket PS/SEN EC Power Steering Pressure Sensor			11.1
PS/SEN EC Power Steering Pressure Sensor			-
			-
RP/SEN EC Refrigerant Pressure Sensor			·
SEAT SE Power Seat			

HARNESS

Code	Section	Wiring Diagram Name		
SEN/PW	EC	Sensor Power Supply	A	
SHIFT	AT	A/T Shift Lock System		
SRS	SRS	Supplemental Restraint System		
START	SC	Starting System		
STOP/L	LT	Stop Lamp		
STSIG	AT	Start Signal Circuit		
TAIL/L	LT	Parking, License and Tail Lamps		
TCS	BRC	Traction Control System		
TLID	BL	Trunk Lid Opener		
TPS1	EC	Throttle Position Sensor (Sensor 1)		
TPS2	EC	Throttle Position Sensor (Sensor 2)	Е	
TPS3	EC	Throttle Position Sensor		
TRANSCV	BL	Homelink Universal Transceiver		
TURN	LT	Turn Signal and Hazard Warning Lamp		
T/WARN	WT	Low Tire Pressure Warning System		
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)	— F	
WARN	DI	Warning Lamps		
WINDOW	GW	Power Window		
WIPER	WW	Front Wiper and Washer		
WIP/R	WW	Rear Wiper and Washer		

PG

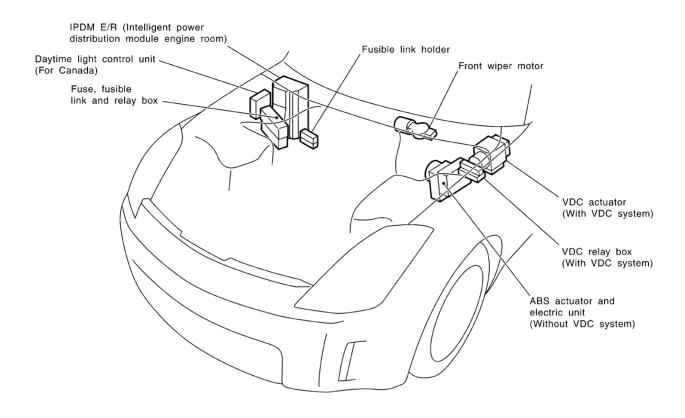
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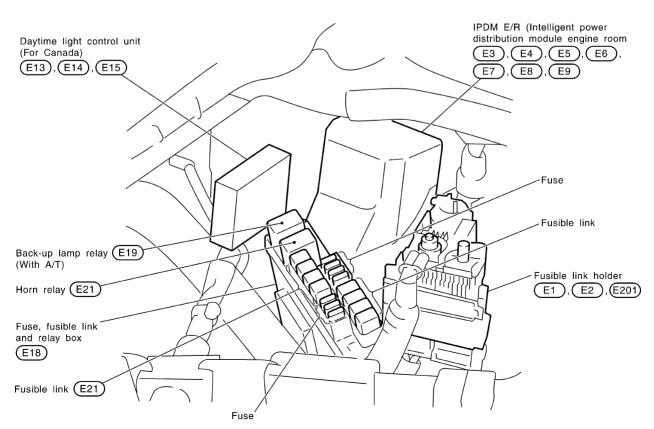
ELECTRICAL UNITS LOCATION

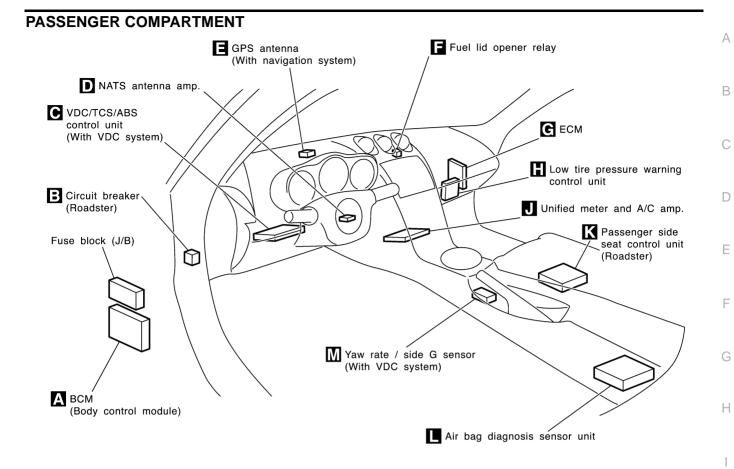
PFP:25230

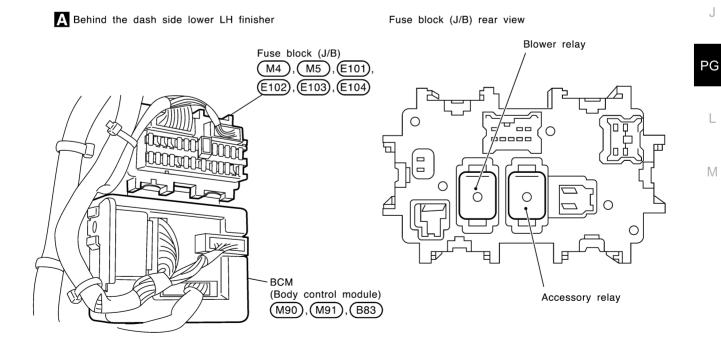
Electrical Units Location ENGINE COMPARTMENT

AKS0012S



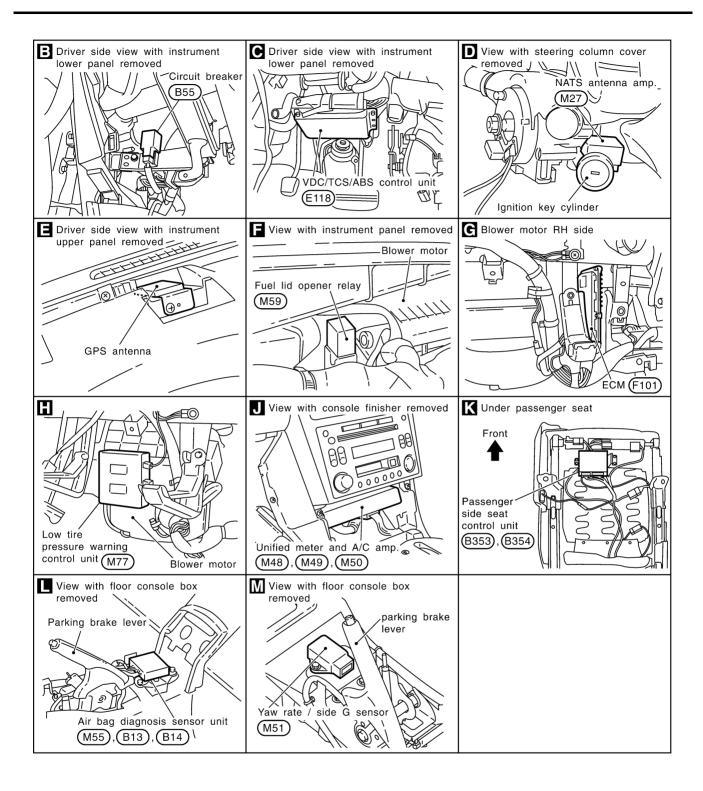




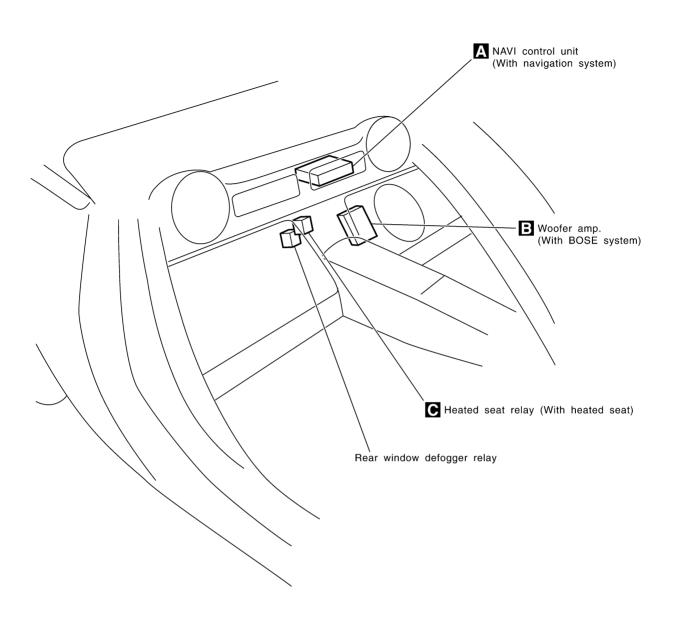


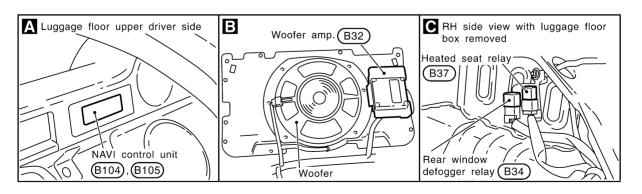
CKIT0467E

J



CKIT0436E





CKIT0349E

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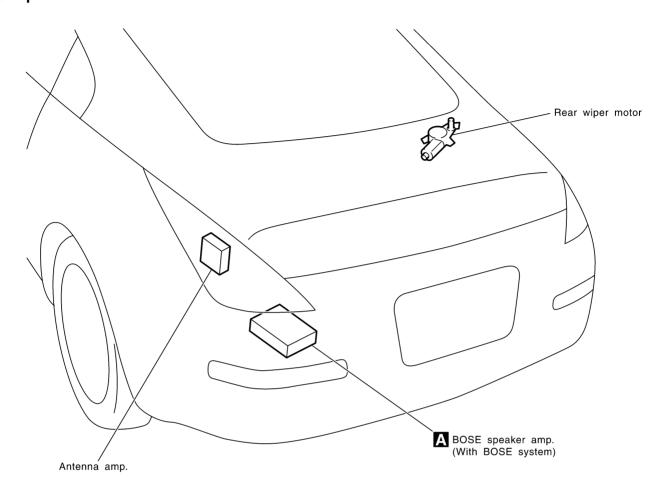
Е

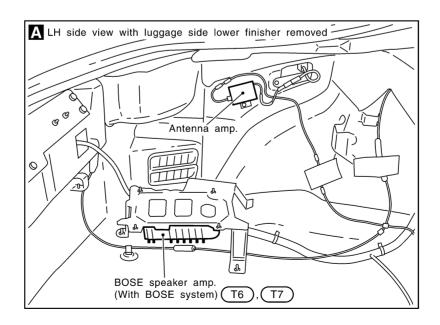
G

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РG

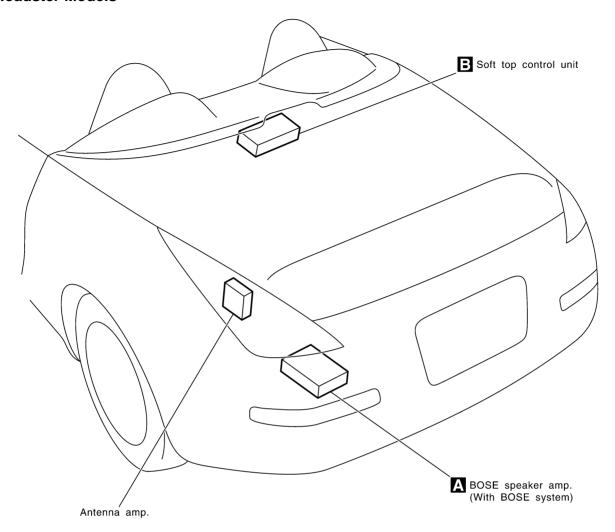
LUGGAGE COMPARTMENT Coupe Models





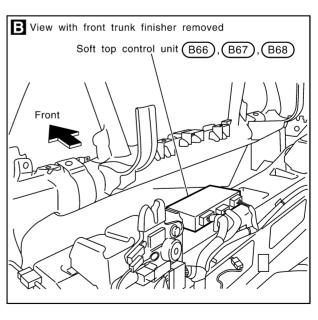
CKIT0216E

Roadster Models



Antenna amp.

BOSE speaker amp.
(With BOSE system) T6, T7



CKIT0350E

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HARNESS CONNECTOR

HARNESS CONNECTOR

PFP:00011

DescriptionHARNESS CONNECTOR (TAB-LOCKING TYPE)

AKS0012T

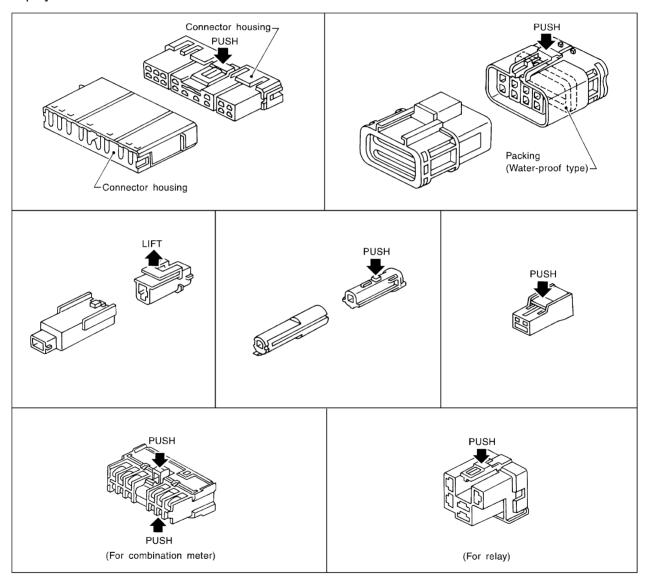
- The tab-locking type connectors help prevent accidental looseness or disconnection.
- The tab-locking type connectors are disconnected by pushing or lifting the locking tab(s). Refer to the illustration below.

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

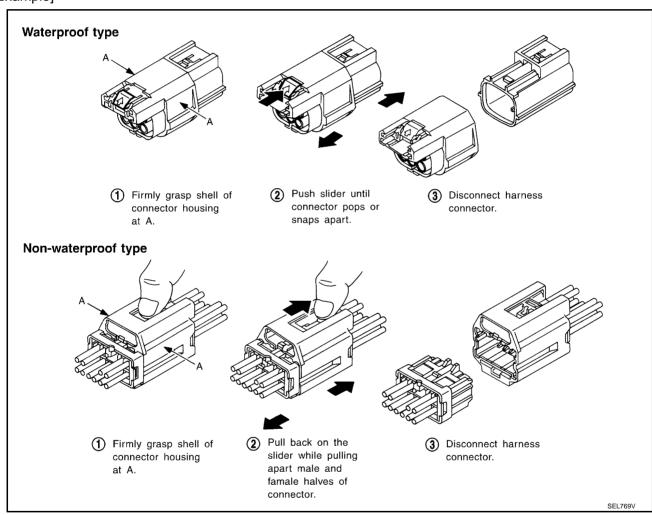
HARNESS CONNECTOR (SLIDE-LOCKING TYPE)

- 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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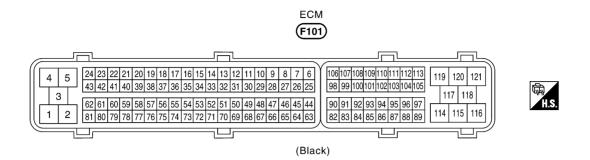
ELECTRICAL UNITS

ELECTRICAL UNITS

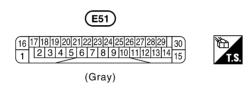
PFP:00011

Terminal Arrangement

AKS0012V



ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT)



VDC/TCS/ABS CONTROL UNIT







(Black)

UNIFIED METER AND A/C AMP.



ELECTRICAL UNITS

M90

1 2 3 4 5 6 7 8 9 1011121314151617181920
21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40

(White)

M91

41 42 43 44 45 46 47 48 49
50 51 52 53 54 55

(Black)

(White)

(White)

(White)

(White)

РG

J

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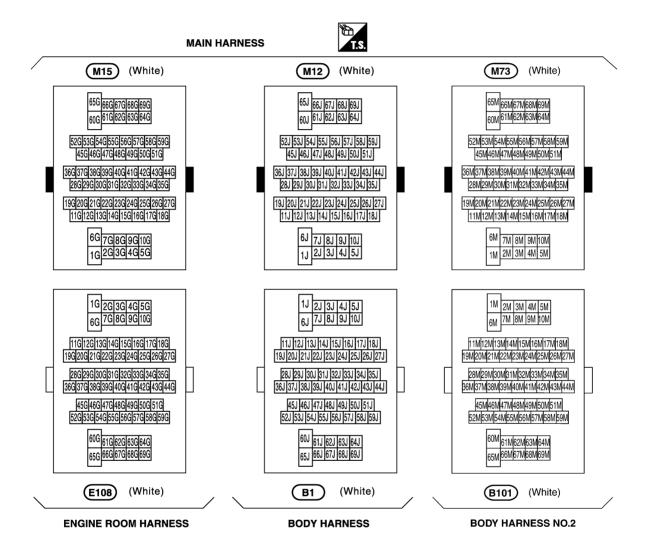
L

SMJ (SUPER MULTIPLE JUNCTION)

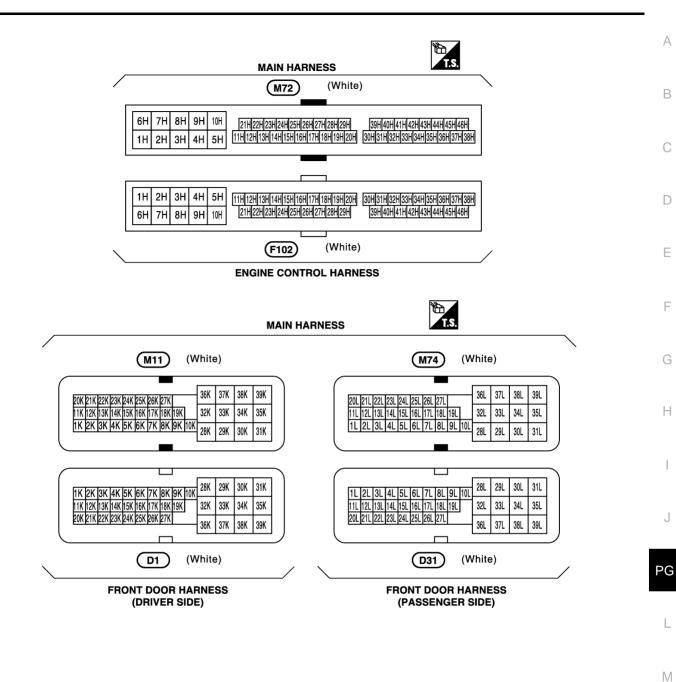
SMJ (SUPER MULTIPLE JUNCTION) Terminal Arrangement

PFP:B4341

AKS0012W



SMJ (SUPER MULTIPLE JUNCTION)



CKIT0158E

STANDARDIZED RELAY

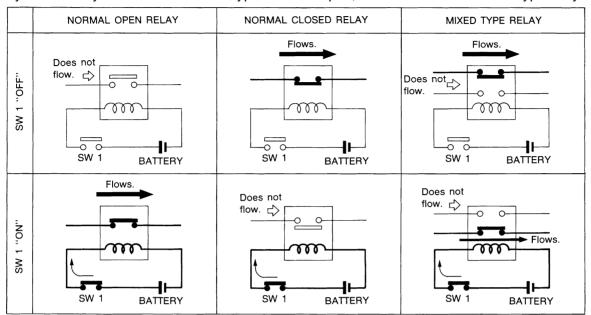
STANDARDIZED RELAY

PFP:00011

DescriptionNORMAL OPEN, NORMAL CLOSED AND MIXED TYPE RELAYS

AKS0012X

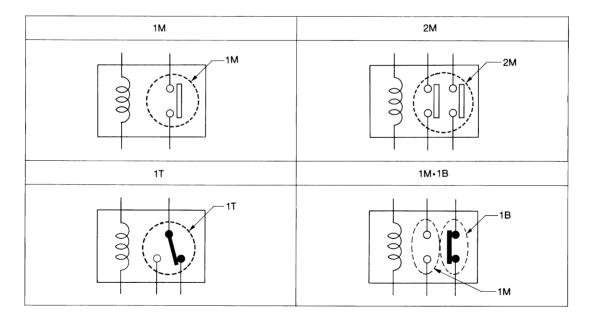
Relays can mainly be divided into three types: normal open, normal closed and mixed type relays.



SEL881H

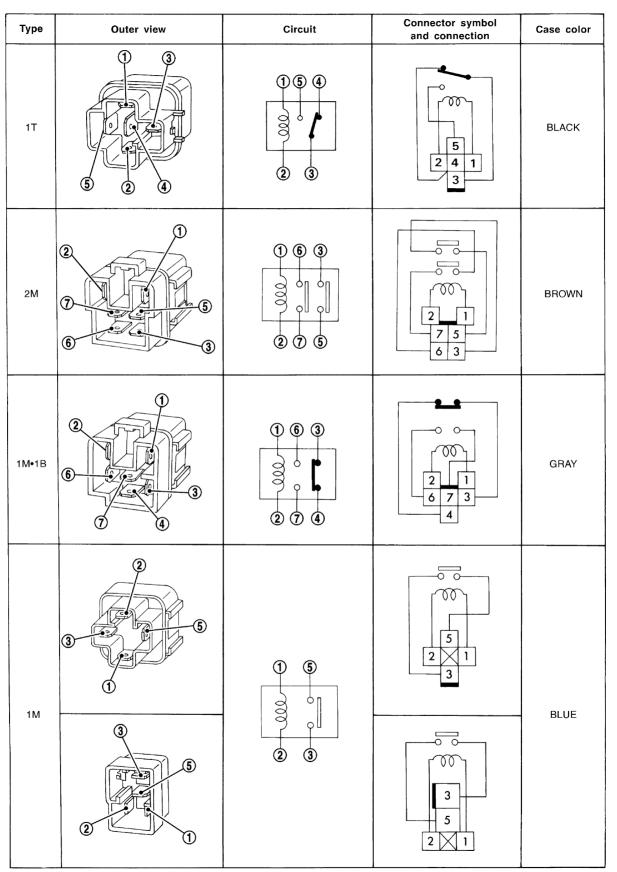
TYPE OF STANDARDIZED RELAYS

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



SEL882H

STANDARDIZED RELAY



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

SEL188W

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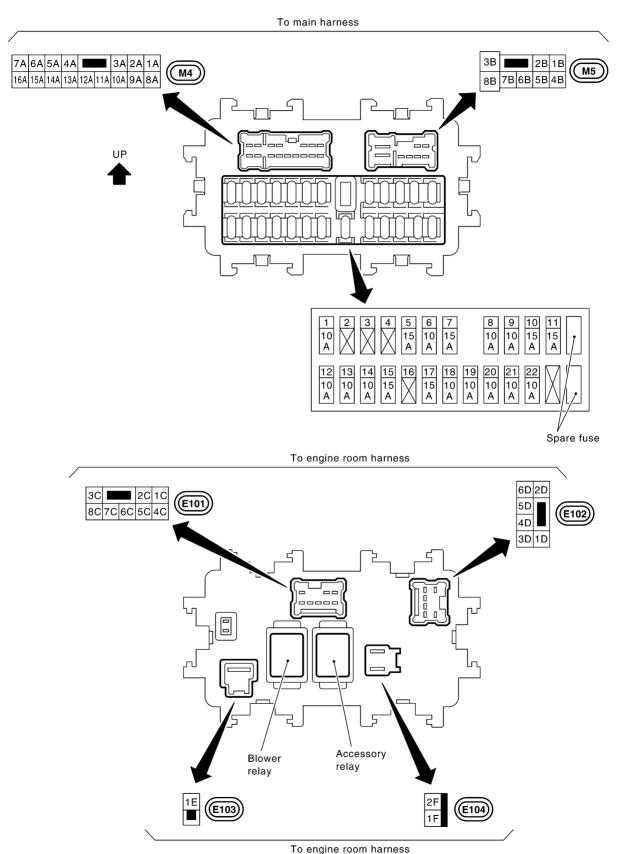
FUSE BLOCK - JUNCTION BOX (J/B)

FUSE BLOCK - JUNCTION BOX (J/B)

PFP:24350

Terminal Arrangement

AKS0012Y



FUSE, FUSIBLE LINK AND RELAY BOX

FUSE, FUSIBLE LINK AND RELAY BOX PFP:24382 Α **Terminal Arrangement** AKS0012Z В A 120A E D C B UP 80 60 80 100 A A A A С D Е Battery (+) F G Н Fusible link holder (E1), (E2), (E201) Horn relay Back-up lamp relay J 31 32 33 34 F G H I 15 A 40 40 40 40 A A A A PG 35 36 37 38 30 A 40 A 15 10 15 10 A A A A 50 30 Α Α Fuse and fusible link block F - M: FUSIBLE LINK

(E21)

(E18)

Fuse, fusible link and relay box

Front

No. 31 - 38: FUSE

CKIT0186E

FUSE, FUSIBLE LINK AND RELAY BOX