

SECTION

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POWER SUPPLY, GROUND & CIRCUIT ELEMENTS

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## BASIC INSPECTION

### BATTERY

#### How to Handle Battery

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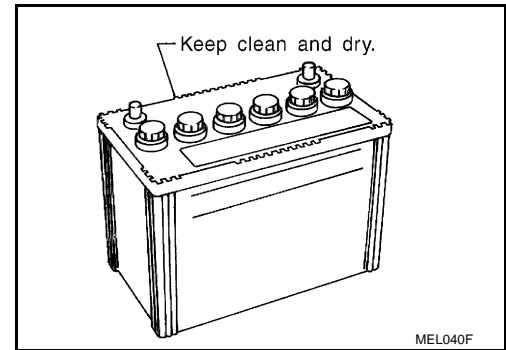
#### CAUTION:

- If it becomes necessary to start the engine with a booster battery and jumper cables, use a 12-volt booster battery.
- After connecting battery cables, ensure that they are tightly clamped to battery terminals for good contact.
- Never add distilled water through the hole used to check specific gravity.

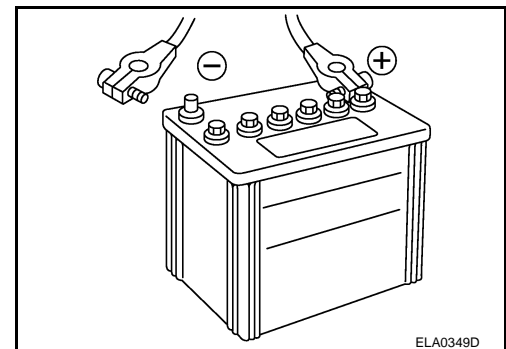
#### METHODS OF PREVENTING OVER-DISCHARGE

The following precautions must be taken to prevent over-discharging a battery.

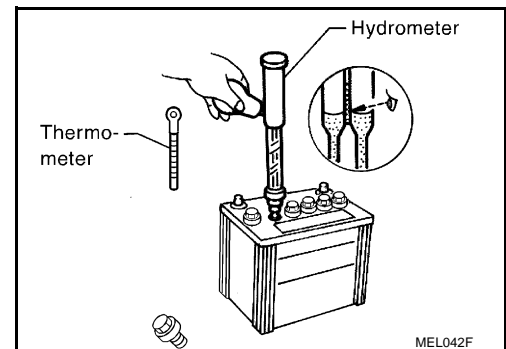
- The battery surface (particularly its top) should always be kept clean and dry.
- The terminal connections should be clean and tight.
- At every routine maintenance, check the electrolyte level.  
This also applies to batteries designated as "low maintenance" and "maintenance-free".



- When the vehicle is not going to be used over a long period of time, disconnect the battery cable from the negative terminal. (If the vehicle has an extended storage switch, turn it off.)



- Check the charge condition of the battery.  
Periodically check the specific gravity of the electrolyte. Keep a close check on charge condition to prevent over-discharge.



#### CHECKING ELECTROLYTE LEVEL

#### WARNING:

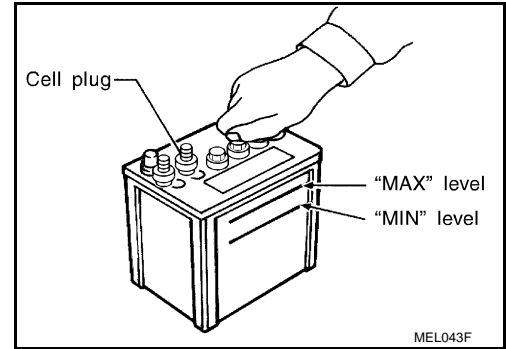
Never allow battery fluid to come in contact with skin, eyes, fabrics, or painted surfaces. After touching a battery, never touch or rub your eyes until you have thoroughly washed your hands. If acid contacts eyes, skin or clothing, immediately flush with water for 15 minutes and seek medical attention.

# BATTERY

## < BASIC INSPECTION >

## [POWER SUPPLY & GROUND CIRCUIT]

- Remove the cell plug using a suitable tool.
- Add distilled water up to the MAX level.

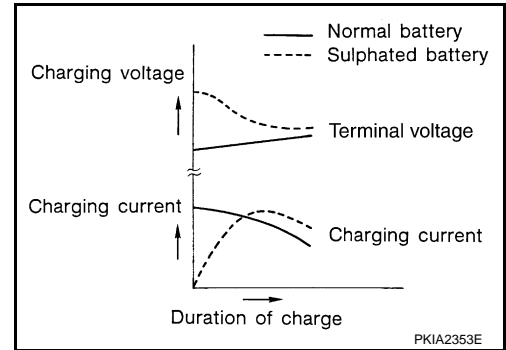


### Sulphation

**A battery will be completely discharged if it is left unattended for a long time and the specific gravity will become less than 1.100. This may result in sulphation on the cell plates.**

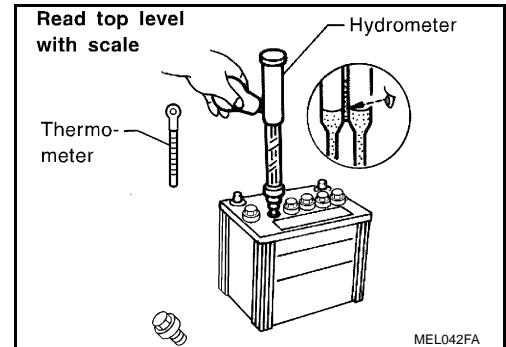
**To determine if a battery has been "sulphated", note its voltage and current when charging it. As shown in the figure, less current and higher voltage are observed in the initial stage of charging sulphated batteries.**

**A sulphated battery may sometimes be brought back into service by means of a long, slow charge, 12 hours or more, followed by a battery capacity test.**



### SPECIFIC GRAVITY CHECK

1. Read hydrometer and thermometer indications at eye level.
2. Use the chart below to correct your hydrometer reading according to electrolyte temperature.



### Hydrometer Temperature Correction

Battery electrolyte temperature [°C (°F)]	Add to specific gravity reading
71 (160)	0.032
66 (150)	0.028
60 (140)	0.024
54 (130)	0.020
49 (120)	0.016
43 (110)	0.012
38 (100)	0.008
32 (90)	0.004
27 (80)	0
21 (70)	-0.004
16 (60)	-0.008
10 (50)	-0.012
4 (40)	-0.016
-1 (30)	-0.020
-7 (20)	-0.024

# BATTERY

## < BASIC INSPECTION >

## [POWER SUPPLY&GROUND CIRCUIT]

Battery electrolyte temperature [°C (°F)]	Add to specific gravity reading
-12 (10)	-0.028
-18 (0)	-0.032

Corrected specific gravity	Approximate charge condition
1.260 - 1.280	Fully charged
1.230 - 1.250	3/4 charged
1.200 - 1.220	1/2 charged
1.170 - 1.190	1/4 charged
1.140 - 1.160	Almost discharged
1.110 - 1.130	Completely discharged

## CHARGING THE BATTERY

### CAUTION:

- Never “quick charge” a fully discharged battery.
- Keep the battery away from open flame while it is being charged.
- When connecting the charger, connect the leads first, then turn on the charger. Never turn on the charger first, as this may cause a spark.
- If battery electrolyte temperature rises above 55 °C (131 °F), stop charging. Always charge battery at a temperature below 55 °C (131 °F).

### Charging Rates

Amps	Time
50	1 hour
25	2 hours
10	5 hours
5	10 hours

Do not charge at more than 50 ampere rate.

### NOTE:

The ammeter reading on your battery charger will automatically decrease as the battery charges. This indicates that the voltage of the battery is increasing normally as the state of charge improves. The charging amps indicated above refer to initial charge rate.

- If, after charging, the specific gravity of any two cells varies more than 0.050, the battery should be replaced.

## Work Flow

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## TROUBLE DIAGNOSIS WITH BATTERY SERVICE CENTER

For battery testing, use Battery Service Center (J-48087). For details and operating instructions, refer to Technical Service Bulletin and/or Battery Service Center User Guide.

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# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

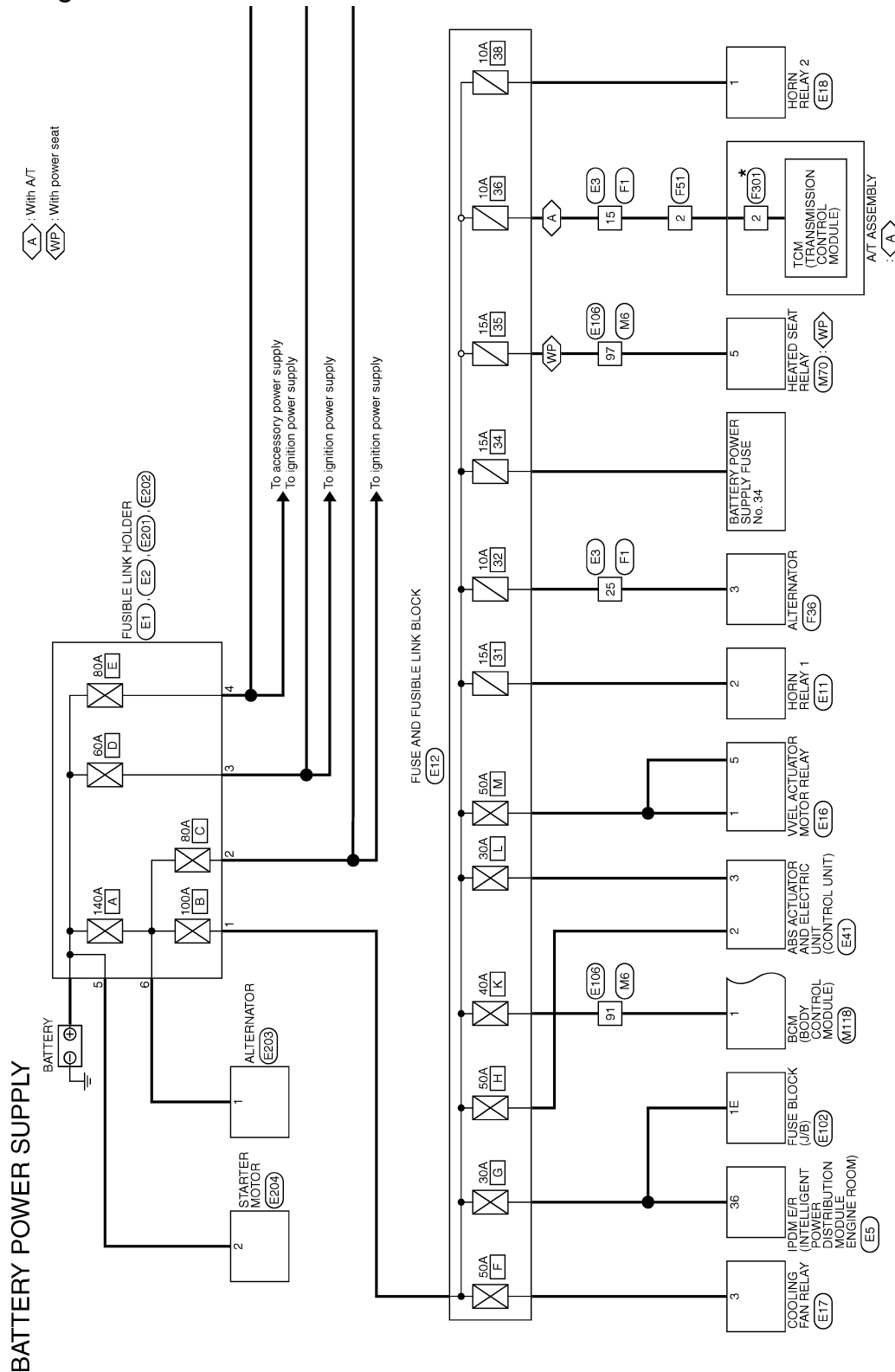
[POWER SUPPLY&GROUND CIRCUIT]

## COMPONENT DIAGNOSIS

### POWER SUPPLY ROUTING CIRCUIT

#### Wiring Diagram - BATTERY POWER SUPPLY -

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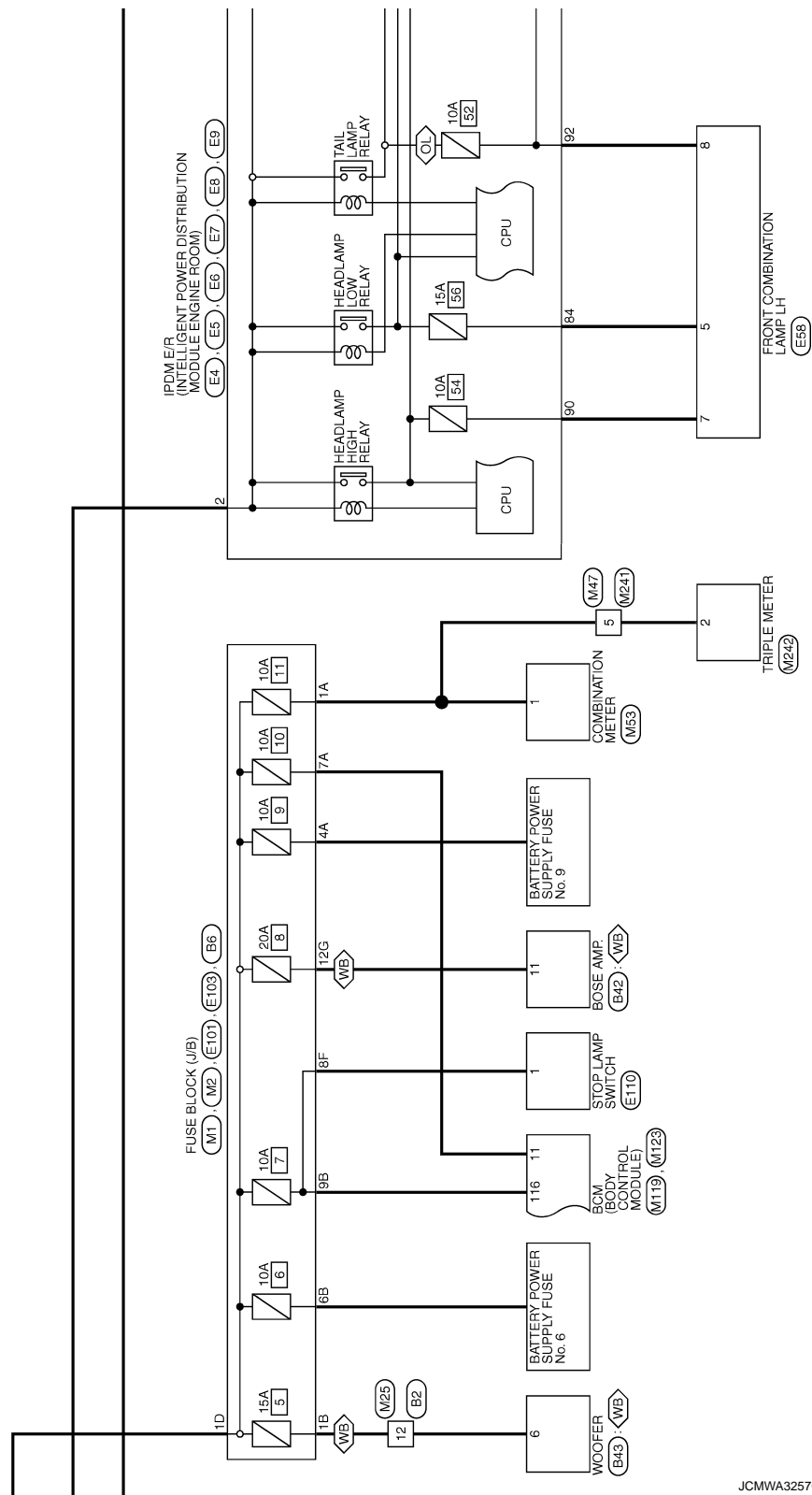
\*: This connector is not shown in "Harness Layout".

2008/09/12

JCMWA3256Gf

**[POWER SUPPLY&GROUND CIRCUIT]**

OL : Without daytime running light system  
WB : With BOSE system



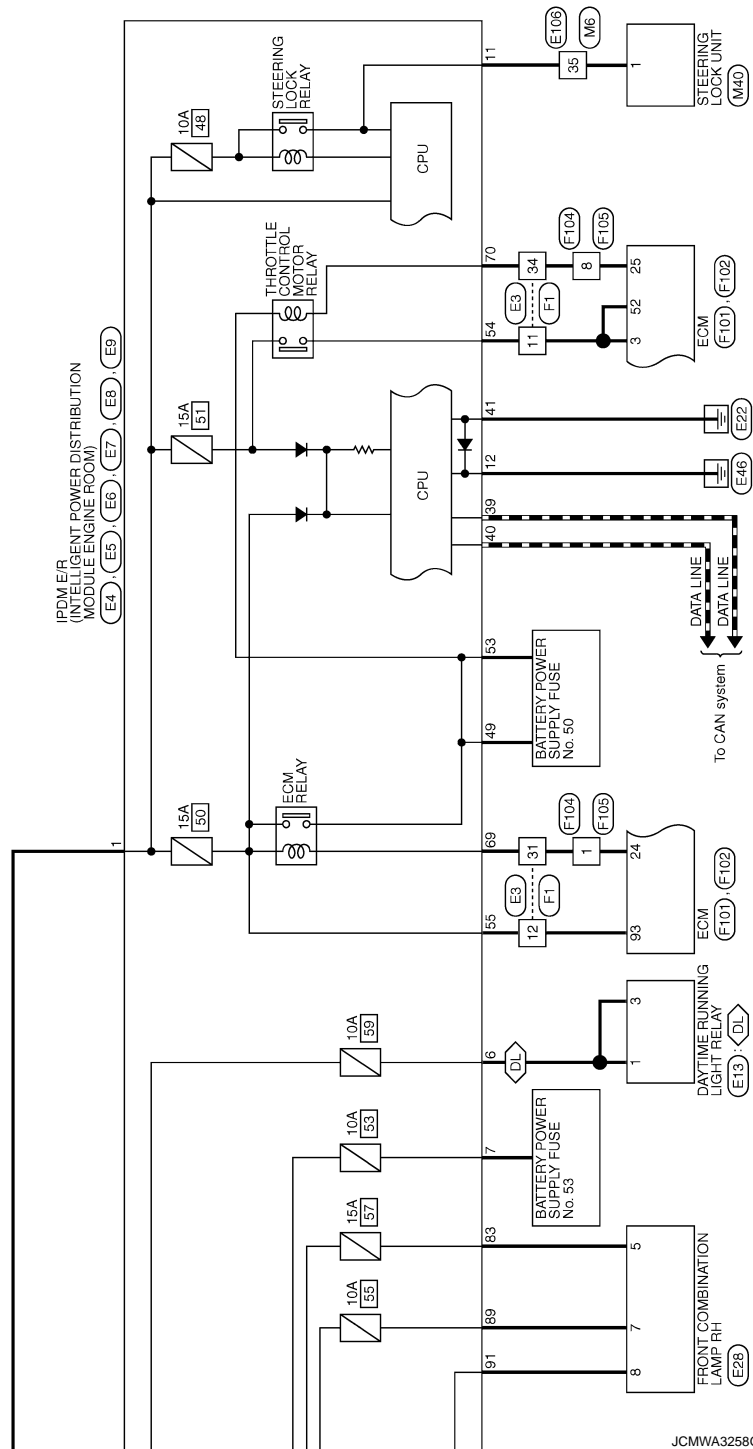
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P

# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

DL : With daytime running light system



JCMWA3258Gt



# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

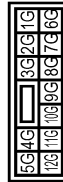
## BATTERY POWER SUPPLY

Connector No.	E2
Connector Name	WIRE TO WIRE
Connector Type	NS16FW-CS



Terminal No.	12
Color of Wire	Y
Signal Name [Specification]	-

Connector No.	B6
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS12FBR-CS



Terminal No.	12G
Color of Wire	Y
Signal Name [Specification]	-

Connector No.	B42
Connector Name	BOSE AMP.
Connector Type	SGA12FBR-SJA2



Terminal No.	11
Color of Wire	Y
Signal Name [Specification]	BATTERY

Connector No.	B43
Connector Name	WOOFER
Connector Type	RS06FGY-PR



Terminal No.	6
Color of Wire	Y
Signal Name [Specification]	BATTERY

Connector No.	E1
Connector Name	FUSIBLE LINK HOLDER
Connector Type	LO2FBR-MC



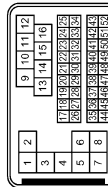
Terminal No.	1
Color of Wire	R
Signal Name [Specification]	-

Connector No.	E2
Connector Name	FUSIBLE LINK HOLDER
Connector Type	LO2FGY-MC



Terminal No.	3
Color of Wire	L
Signal Name [Specification]	-

Connector No.	E3
Connector Name	WIRE TO WIRE
Connector Type	SAA3AMB-FSB-SH28



Terminal No.	11
Color of Wire	V
Signal Name [Specification]	-
Terminal No.	12
Color of Wire	SB
Signal Name [Specification]	-
Terminal No.	15
Color of Wire	R
Signal Name [Specification]	-
Terminal No.	25
Color of Wire	V
Signal Name [Specification]	-
Terminal No.	31
Color of Wire	BR
Signal Name [Specification]	-
Terminal No.	34
Color of Wire	O
Signal Name [Specification]	-

Connector No.	E4
Connector Name	POWER (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	LO2FB-MC



Terminal No.	1
Color of Wire	W
Signal Name [Specification]	-
Terminal No.	2
Color of Wire	L
Signal Name [Specification]	-

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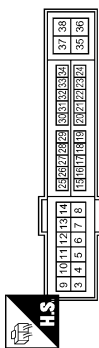
# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## BATTERY POWER SUPPLY

Connector No.	E5
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	TH20FW-GS12-M4-IV



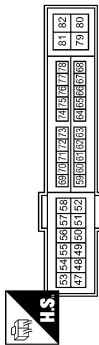
Terminal No.	Color of Wire	Signal Name [Specification]
6	R	-
7	R	-
11	BR	-
12	B/W	-
36	G	-

Connector No.	E6
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	TH08FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
39	P	-
40	L	-
41	B/W	-

Connector No.	E7
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	TH20FW-GS12-M4



Terminal No.	Color of Wire	Signal Name [Specification]
49	O	-
53	W	-
54	V	-
55	SB	-
69	BR	-
70	O	-

Connector No.	E8
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	NS08FW-GS



Terminal No.	Color of Wire	Signal Name [Specification]
83	R	-
84	P	-
89	BR	-
90	LG	-

Connector No.	E9
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	TH10FW-NH



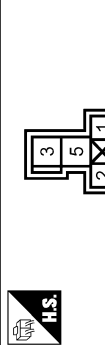
Terminal No.	Color of Wire	Signal Name [Specification]
91	P	-
92	O	-

Connector No.	E11
Connector Name	HORN RELAY 1
Connector Type	24381/7990A



Terminal No.	Color of Wire	Signal Name [Specification]
2	SB	-

Connector No.	E13
Connector Name	DAYTIME RUNNING LIGHT RELAY
Connector Type	MS02FL-M2-LC



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
3	R	-

Connector No.	E16
Connector Name	VVEL ACTUATOR MOTOR RELAY
Connector Type	24343/9F900



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
5	R	-

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# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## BATTERY POWER SUPPLY

Connector No.	E17
Connector Name	COOLING FAN RELAY
Connector Type	24347-9F900



Terminal No.	3
Color of Wire	W
Signal Name [Specification]	-

Connector No.	E18
Connector Name	HORN RELAY 2
Connector Type	M03FW-R-LG



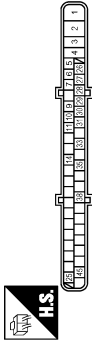
Terminal No.	1
Color of Wire	P
Signal Name [Specification]	-

Connector No.	E28
Connector Name	FRONT COMBINATION LAMP RH
Connector Type	RS08FGY-PR



Terminal No.	5
Color of Wire	R
Signal Name [Specification]	-
Terminal No.	7
Color of Wire	BR
Signal Name [Specification]	-
Terminal No.	8
Color of Wire	P
Signal Name [Specification]	-

Connector No.	E41
Connector Name	ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT)
Connector Type	B3A42FB-AH24-LH



Terminal No.	2
Color of Wire	G
Signal Name [Specification]	UBMR
Terminal No.	3
Color of Wire	R
Signal Name [Specification]	UBVR

Connector No.	E58
Connector Name	FRONT COMBINATION LAMP LH
Connector Type	RS08FGY-PR



Terminal No.	5
Color of Wire	P
Signal Name [Specification]	-
Terminal No.	7
Color of Wire	LG
Signal Name [Specification]	-
Terminal No.	8
Color of Wire	O
Signal Name [Specification]	-

Connector No.	E101
Connector Name	FUSE BLOCK (J/B)
Connector Type	L01FW-MC



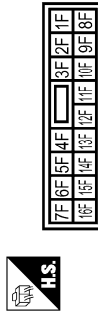
Terminal No.	ID
Color of Wire	R
Signal Name [Specification]	-

Connector No.	E102
Connector Name	FUSE BLOCK (J/B)
Connector Type	M02FB-LG



Terminal No.	1E
Color of Wire	G
Signal Name [Specification]	-

Connector No.	E103
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS16FW-CS



Terminal No.	8F
Color of Wire	L
Signal Name [Specification]	-

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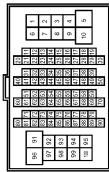
# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## BATTERY POWER SUPPLY

Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	TH8DFW-GS16-TM44



Terminal No.	Color of Wire	Signal Name [Specification]
35	BR	-
91	W	-
97	BR	-

Connector No.	E110
Connector Name	STOP LAMP SWITCH
Connector Type	MD4FW-LC



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-

Connector No.	E201
Connector Name	FUSIBLE LINK HOLDER
Connector Type	24340-78908



Terminal No.	Color of Wire	Signal Name [Specification]
5	B/Y	-

Connector No.	E202
Connector Name	FUSIBLE LINK HOLDER
Connector Type	24340-78905



Terminal No.	Color of Wire	Signal Name [Specification]
6	B/GR	-

Connector No.	E203
Connector Name	ALTERNATOR
Connector Type	24340-65745



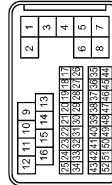
Terminal No.	Color of Wire	Signal Name [Specification]
1	B/GR	B

Connector No.	E204
Connector Name	STARTER MOTOR
Connector Type	24348-51E61



Terminal No.	Color of Wire	Signal Name [Specification]
2	B/Y	-

Connector No.	F1
Connector Name	WIRE TO WIRE
Connector Type	54A38FB-RSS-SH28



Terminal No.	Color of Wire	Signal Name [Specification]
11	R	-
12	P	-
15	BR	-
25	V	-
31	P	-
34	O	-

Connector No.	F38
Connector Name	ALTERNATOR
Connector Type	H502FB



Terminal No.	Color of Wire	Signal Name [Specification]
3	V	S

JCMWA3262GE

# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

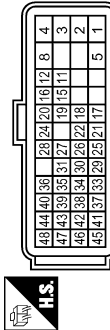
## BATTERY POWER SUPPLY

Connector No.	F51
Connector Name	A/T ASSEMBLY
Connector Type	RK0FG-DGY



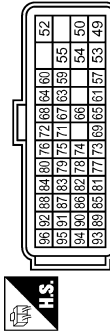
Terminal No.	Color of Wire	Signal Name [Specification]
2	BR	-

Connector No.	F101
Connector Name	ECM
Connector Type	RH40FB-R28-L-LH-Z



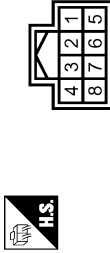
Terminal No.	Color of Wire	Signal Name [Specification]
3	R	VMOT1-B1
24	P	SSOFF
25	O	MOTRLY1-B1

Connector No.	F102
Connector Name	ECM
Connector Type	RH40FBR-R28-L-LH-Z



Terminal No.	Color of Wire	Signal Name [Specification]
52	R	VMOT-B2
93	P	BATT

Connector No.	F104
Connector Name	WIRE TO WIRE
Connector Type	TH08FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	P	-
8	O	-

Connector No.	F105
Connector Name	WIRE TO WIRE
Connector Type	TH08MW-NH



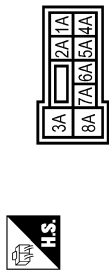
Terminal No.	Color of Wire	Signal Name [Specification]
1	P	-
8	O	-

Connector No.	F301
Connector Name	TCM (TRANSMISSION CONTROL MODULE)
Connector Type	SP1UFG



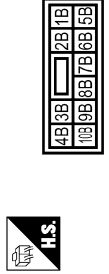
Terminal No.	Color of Wire	Signal Name [Specification]
2	B	BATT

Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS06FW-M2



Terminal No.	Color of Wire	Signal Name [Specification]
1A	V	-
4A	P	-
7A	BR	-

Connector No.	M2
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS10FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1B	Y	-
6B	Y	-
9B	SB	-

JCMWA3263GE

A  
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P

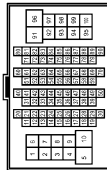
# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

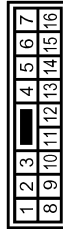
## BATTERY POWER SUPPLY

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TH60MW-CS16-TM4



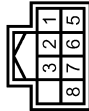
Terminal No.	Color of Wire	Signal Name [Specification]
35	BR	-
91	W	-
97	GR	-

Connector No.	M25
Connector Name	WIRE TO WIRE
Connector Type	NS16MW-CS



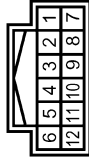
Terminal No.	Color of Wire	Signal Name [Specification]
12	Y	-

Connector No.	M40
Connector Name	STEERING LOCK UNIT
Connector Type	TH40FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	S/L 12V (MECHANICAL)

Connector No.	M47
Connector Name	WIRE TO WIRE
Connector Type	TH47FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
5	V	-

Connector No.	M63
Connector Name	COMBINATION METER
Connector Type	TH64FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	BATTERY POWER SUPPLY

Connector No.	M70
Connector Name	HEATED SEAT RELAY
Connector Type	MS02FL-MZ-LC



Terminal No.	Color of Wire	Signal Name [Specification]
5	GR	-

Connector No.	M118
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	MS03FB-LC



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	BAT (F/L)

Connector No.	M119
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	NS16FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
11	BR	BAT (FUSE)

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# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## BATTERY POWER SUPPLY

Connector No.	M123
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40F-G-NH



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

# POWER SUPPLY ROUTING CIRCUIT

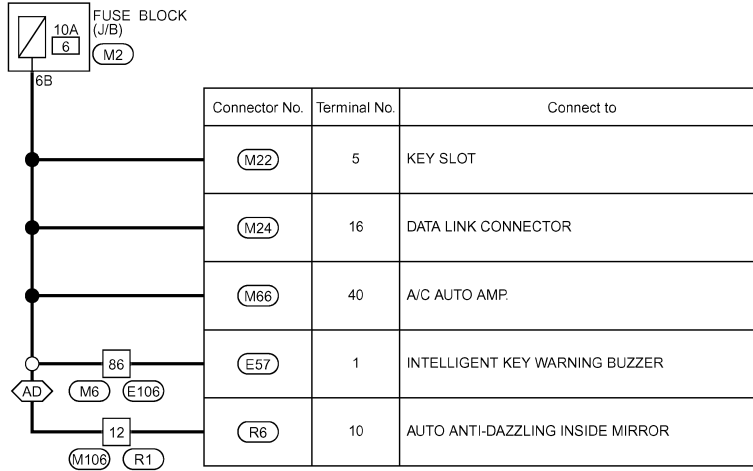
< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 6 - BATTERY POWER SUPPLY FUSE No. 6

INFOID:000000004490876

AD : With auto anti-dazzling inside mirror



2008/09/12

JCMWA3266Gf



# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

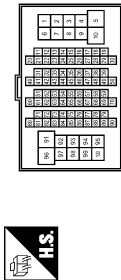
## BATTERY POWER SUPPLY FUSE No. 6

Connector No.	E57
Connector Name	INTELLIGENT KEY WARNING BUZZER
Connector Type	RK03FBR



Terminal No.	1
Color of Wire	LG
Signal Name [Specification]	-

Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	TH60FW-CS16-TM4



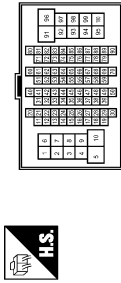
Terminal No.	86
Color of Wire	LG
Signal Name [Specification]	-

Connector No.	M2
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS10FW-CS



Terminal No.	6B
Color of Wire	Y
Signal Name [Specification]	-

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TH60MH-GS16-TM4



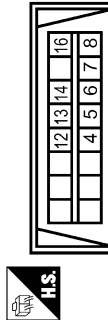
Terminal No.	86
Color of Wire	Y
Signal Name [Specification]	-

Connector No.	M22
Connector Name	KEY SLOT
Connector Type	TH12FW-NH



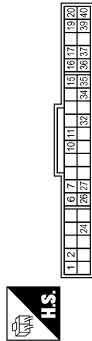
Terminal No.	5
Color of Wire	Y
Signal Name [Specification]	ILL BAT

Connector No.	M24
Connector Name	DATA LINK CONNECTOR
Connector Type	BD16FW



Terminal No.	16
Color of Wire	Y
Signal Name [Specification]	-

Connector No.	M66
Connector Name	A/C AUTO AMP.
Connector Type	SAB0FW



Terminal No.	40
Color of Wire	Y
Signal Name [Specification]	BATTERY POWER SUPPLY

Connector No.	M106
Connector Name	WIRE TO WIRE
Connector Type	TH16MW-NH



Terminal No.	12
Color of Wire	Y
Signal Name [Specification]	-





JCMWA3267GE

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# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

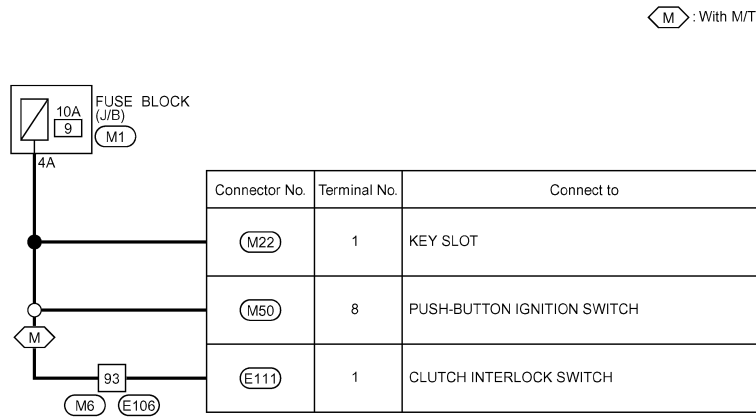
BATTERY POWER SUPPLY FUSE No. 6			
Connector No.	RI	Connector No.	RB
Connector Name	WIRE TO WIRE	Connector Name	AUTO ANTI-DAZZLING INSIDE MIRROR
Connector Type	TH10FW-NH	Connector Type	TH10FB-NH
			
			
Terminal No.	12	Terminal No.	10
Color of Wire	B/R	Color of Wire	B/Y
Signal Name [Specification]		Signal Name [Specification]	
-		-	

JCMWA3268Gf

## Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 9 -

INFOID:0000000004490877

## BATTERY POWER SUPPLY FUSE No. 9



2008/09/12

JCMWA3269GE

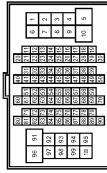
# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## BATTERY POWER SUPPLY FUSE No. 9

Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-GS16-TM4



Terminal No.	93
Color of Wire	G
Signal Name [Specification]	—

Connector No.	E111
Connector Name	CLUTCH INTERLOCK SWITCH
Connector Type	SS2EL



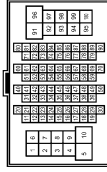
Terminal No.	1
Color of Wire	G
Signal Name [Specification]	—

Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS36FW-M2



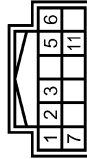
Terminal No.	4A
Color of Wire	P
Signal Name [Specification]	—

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-GS16-TM4



Terminal No.	93
Color of Wire	P
Signal Name [Specification]	—

Connector No.	M22
Connector Name	KEY SLOT
Connector Type	TH12FW-NH



Terminal No.	1
Color of Wire	P
Signal Name [Specification]	BAT

Connector No.	M50
Connector Name	PUSH-BUTTON IGNITION SWITCH
Connector Type	TK08FB



Terminal No.	8
Color of Wire	P
Signal Name [Specification]	—

JCMWA3270GE

# POWER SUPPLY ROUTING CIRCUIT

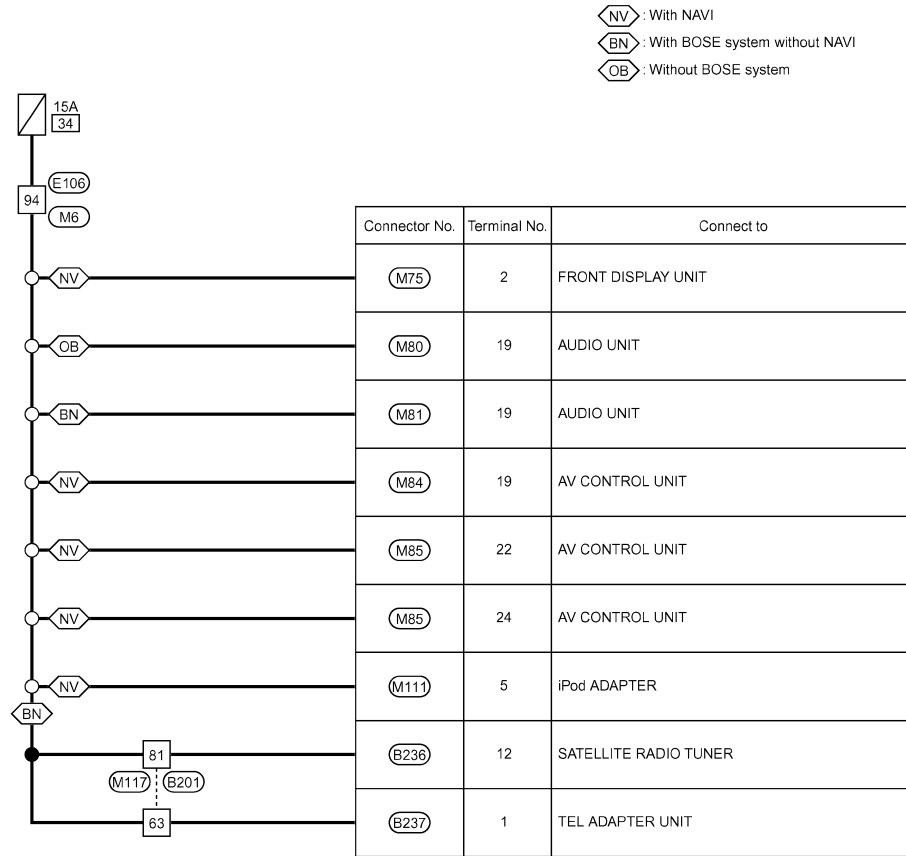
< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 34 -

INFOID:000000004490880

### BATTERY POWER SUPPLY FUSE No. 34



2008/09/12

JCMWA3271GE

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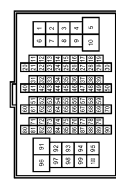
# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

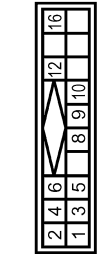
## BATTERY POWER SUPPLY FUSE No. 34

Connector No.	B201
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4



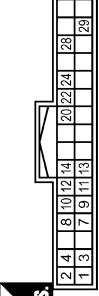
Terminal No.	63
Color of Wire	Y
Signal Name [Specification]	—
Terminal No.	81
Color of Wire	SB
Signal Name [Specification]	—

Connector No.	B236
Connector Name	SATELLITE RADIO TUNER
Connector Type	A18FW



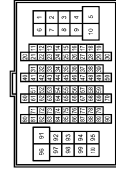
Terminal No.	12
Color of Wire	SB
Signal Name [Specification]	BATTERY

Connector No.	B237
Connector Name	TEL ADAPTER UNIT
Connector Type	TH83FW-NH




Terminal No.	1
Color of Wire	Y
Signal Name [Specification]	BATTERY

Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4



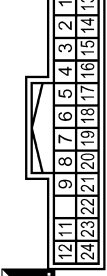
Terminal No.	94
Color of Wire	Y
Signal Name [Specification]	—

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4



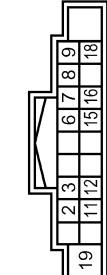
Terminal No.	94
Color of Wire	Y
Signal Name [Specification]	—

Connector No.	M75
Connector Name	FRONT DISPLAY UNIT
Connector Type	TH24FW-NH



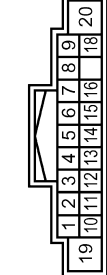
Terminal No.	2
Color of Wire	Y
Signal Name [Specification]	BATTERY

Connector No.	M80
Connector Name	AUDIO UNIT
Connector Type	TH18FW-CS2



Terminal No.	19
Color of Wire	Y
Signal Name [Specification]	BATTERY

Connector No.	M81
Connector Name	AUDIO UNIT
Connector Type	TH18FW-CS2



Terminal No.	19
Color of Wire	Y
Signal Name [Specification]	BATTERY

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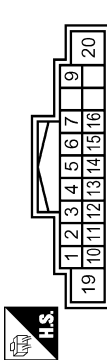
# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

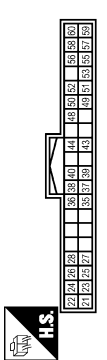
## BATTERY POWER SUPPLY FUSE No. 34

Connector No.	M84
Connector Name	AV CONTROL UNIT
Connector Type	TH10FW-GS2



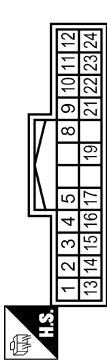
Terminal No.	19
Color of Wire	Y
Signal Name [Specification]	BATTERY

Connector No.	M85
Connector Name	AV CONTROL UNIT
Connector Type	TH40FW-NH



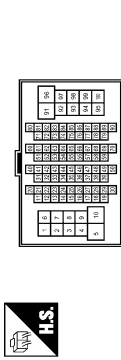
Terminal No.	22
Color of Wire	Y
Signal Name [Specification]	BATTERY
Terminal No.	24
Color of Wire	Y
Signal Name [Specification]	BATTERY

Connector No.	M111
Connector Name	iPod ADAPTER
Connector Type	TH24FW-NH



Terminal No.	5
Color of Wire	Y
Signal Name [Specification]	BATTERY

Connector No.	M117
Connector Name	WIRE TO WIRE
Connector Type	TH60MH-GS/6-TM4



Terminal No.	63
Color of Wire	Y
Signal Name [Specification]	
Terminal No.	81
Color of Wire	Y
Signal Name [Specification]	

JCMWA3273GE

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# POWER SUPPLY ROUTING CIRCUIT

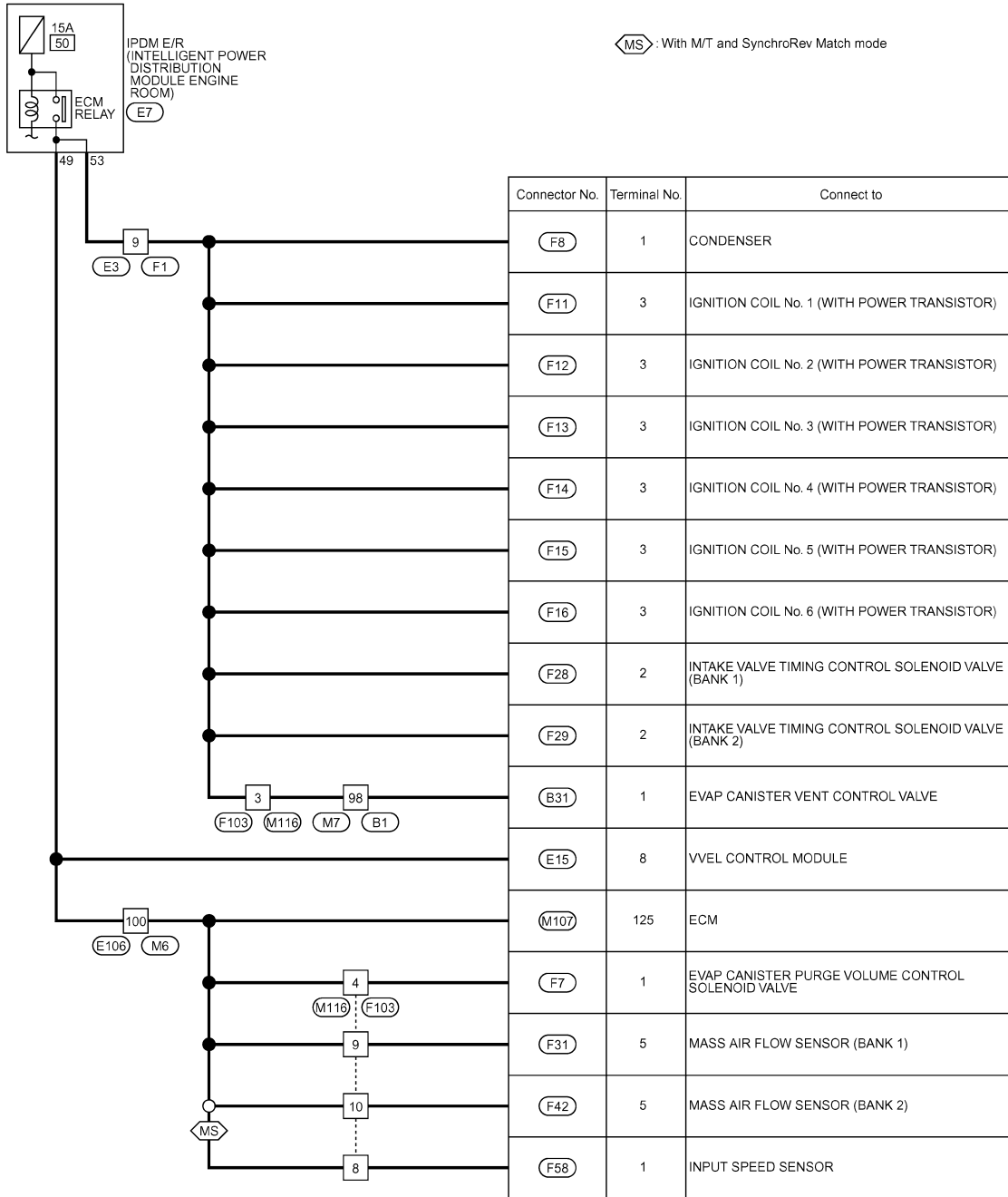
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[POWER SUPPLY&GROUND CIRCUIT]

## Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 50 -

INFOID:000000004490881

### BATTERY POWER SUPPLY FUSE No. 50



2008/09/12

JCMWA3274Gf



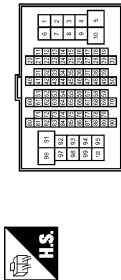
# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## BATTERY POWER SUPPLY FUSE No. 50

Connector No.	B1
Connector Name	WIRE TO WIRE
Connector Type	TH60FW-CS16-TM4



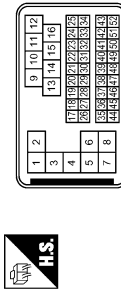
Terminal No.	98
Color of Wire	W
Signal Name [Specification]	-

Connector No.	B31
Connector Name	EVAP CANISTER VENT CONTROL VALVE
Connector Type	ED2FB-RS



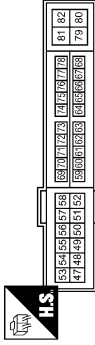
Terminal No.	1
Color of Wire	W
Signal Name [Specification]	-

Connector No.	E3
Connector Name	WIRE TO WIRE
Connector Type	SA436MB-RSS-SH28



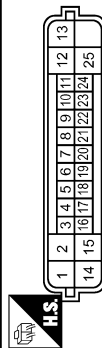
Terminal No.	9
Color of Wire	W
Signal Name [Specification]	-

Connector No.	E7
Connector Name	FROM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	TH20FW-CS12-M4



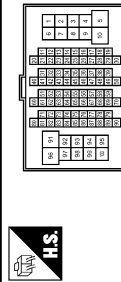
Terminal No.	49
Color of Wire	O
Signal Name [Specification]	-

Connector No.	E15
Connector Name	VVEL CONTROL MODULE
Connector Type	RH18FB-AJ28-RH



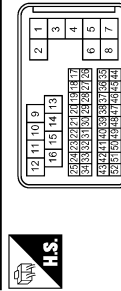
Terminal No.	8
Color of Wire	O
Signal Name [Specification]	VB

Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	TH60FW-CS16-TM4



Terminal No.	100
Color of Wire	O
Signal Name [Specification]	-

Connector No.	F1
Connector Name	WIRE TO WIRE
Connector Type	SA436FB-RSS-SH28



Terminal No.	9
Color of Wire	W
Signal Name [Specification]	-

Connector No.	F7
Connector Name	EVAP CANISTER PURGE VOLUME CONTROL SOLENOID VALVE
Connector Type	ED2FL-RS-LGY



Terminal No.	1
Color of Wire	W
Signal Name [Specification]	-

JCMWA3275GE

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# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## BATTERY POWER SUPPLY FUSE No. 50

Connector No.	F8
Connector Name	CONDENSER
Connector Type	MO2EW-LC



Terminal No.	1
Color of Wire	W
Signal Name [Specification]	-

Connector No.	F11
Connector Name	IGNITION COIL No. 1 (WITH POWER TRANSISTOR)
Connector Type	ED3FGY-RS



Terminal No.	3
Color of Wire	W
Signal Name [Specification]	-

Connector No.	F12
Connector Name	IGNITION COIL No. 2 (WITH POWER TRANSISTOR)
Connector Type	ED3FGY-RS



Terminal No.	3
Color of Wire	W
Signal Name [Specification]	-

Connector No.	F13
Connector Name	IGNITION COIL No. 3 (WITH POWER TRANSISTOR)
Connector Type	ED3FGY-RS



Terminal No.	3
Color of Wire	W
Signal Name [Specification]	-

Connector No.	F14
Connector Name	IGNITION COIL No. 4 (WITH POWER TRANSISTOR)
Connector Type	ED3FGY-RS



Terminal No.	3
Color of Wire	W
Signal Name [Specification]	-

Connector No.	F15
Connector Name	IGNITION COIL No. 5 (WITH POWER TRANSISTOR)
Connector Type	ED3FGY-RS



Terminal No.	3
Color of Wire	W
Signal Name [Specification]	-

Connector No.	F16
Connector Name	IGNITION COIL No. 6 (WITH POWER TRANSISTOR)
Connector Type	ED3FGY-RS



Terminal No.	3
Color of Wire	W
Signal Name [Specification]	-

Connector No.	F38
Connector Name	INTAKE VALVE TIMING CONTROL SOLENOID VALVE (BANK 1)
Connector Type	ED2FG-RS-LGT



Terminal No.	2
Color of Wire	R
Signal Name [Specification]	-

JCMWA3276GE

# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## BATTERY POWER SUPPLY FUSE No. 50

Connector No.	F29
Connector Name	INTAKE VALVE TIMING CONTROL SOLENOID VALVE (BANK 2)
Connector Type	E02FG-RS-LGY



Terminal No.	2
Color of Wire	R
Signal Name [Specification]	-

Connector No.	F31
Connector Name	MASS AIR FLOW SENSOR (BANK 1)
Connector Type	RH06FB



Terminal No.	5
Color of Wire	Y
Signal Name [Specification]	-

Connector No.	F42
Connector Name	MASS AIR FLOW SENSOR (BANK 2)
Connector Type	RH06FB



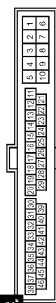
Terminal No.	5
Color of Wire	GR
Signal Name [Specification]	-

Connector No.	F58
Connector Name	INPUT SPEED SENSOR
Connector Type	RH06FB



Terminal No.	1
Color of Wire	L
Signal Name [Specification]	VIGN

Connector No.	F103
Connector Name	WIRE TO WIRE
Connector Type	TK36FW-NS10



Terminal No.	3
Color of Wire	W
Signal Name [Specification]	-
Terminal No.	4
Color of Wire	R
Signal Name [Specification]	-
Terminal No.	8
Color of Wire	L
Signal Name [Specification]	-
Terminal No.	9
Color of Wire	Y
Signal Name [Specification]	-
Terminal No.	10
Color of Wire	GR
Signal Name [Specification]	-

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TH60MW-CS16-TM4



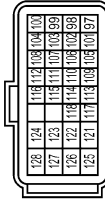
Terminal No.	100
Color of Wire	R
Signal Name [Specification]	-

Connector No.	M7
Connector Name	WIRE TO WIRE
Connector Type	TH60MW-CS16-TM4



Terminal No.	98
Color of Wire	O
Signal Name [Specification]	-

Connector No.	M107
Connector Name	ECM
Connector Type	FR24FGY-R28-R-LH-Z



Terminal No.	125
Color of Wire	R
Signal Name [Specification]	VBR

JCMWA3277GE

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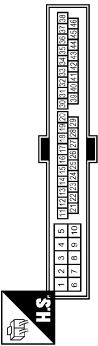
POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE No. 50

Connector No.	M116
Connector Name	WIRE TO WIRE
Connector Type	TK36MW-NS10



Terminal No.	Color of Wire	Signal Name [Specification]
3	O	-
4	R	-
8	L	-
9	R	-
10	R	-

JCMWA3278Gf

# POWER SUPPLY ROUTING CIRCUIT

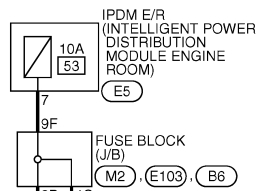
< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

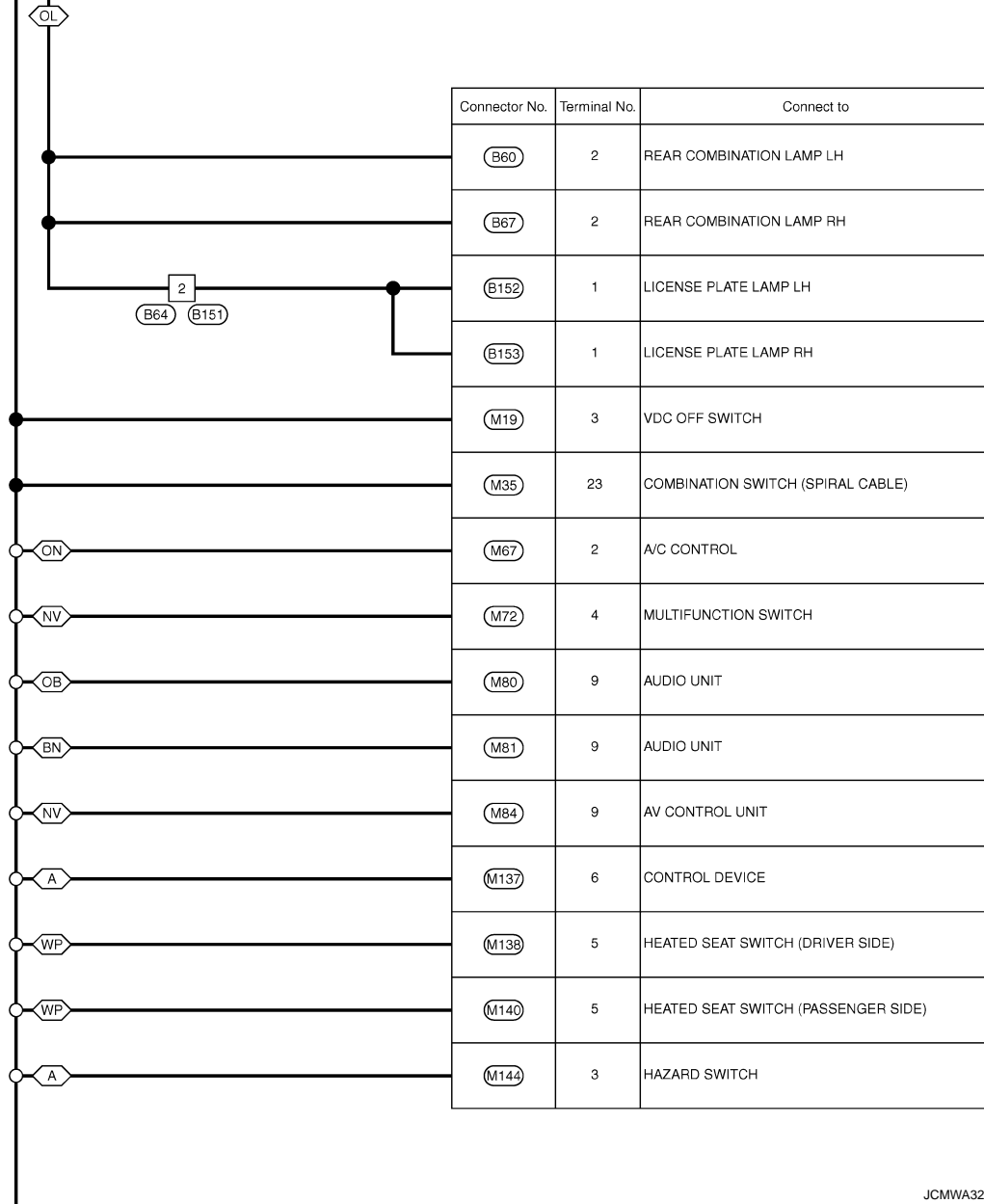
## Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 53 -

INFOID:000000004490882

### BATTERY POWER SUPPLY FUSE No. 53



- A : With A/T
- M : With M/T
- NV : With NAVI
- ON : Without NAVI
- MS : With M/T and SynchroRev Match mode
- WP : With power seat
- BN : With BOSE system without NAVI
- OB : Without BOSE system
- OL : Without daytime running light system



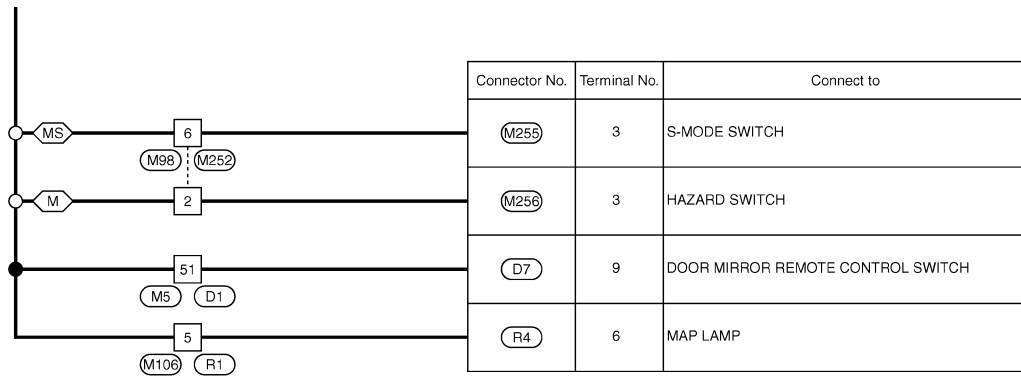
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# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]



2008/09/12

JCMWA3280GE

# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## BATTERY POWER SUPPLY FUSE No. 53

Connector No.	B6
Connector Name	FUSE BLOCK (L/B)
Connector Type	NS12BR-CS



Terminal No.	4G
Color of Wire	R
Signal Name [Specification]	-

Connector No.	B60
Connector Name	REAR COMBINATION LAMP LH
Connector Type	RS06GY-PR



Terminal No.	2
Color of Wire	R
Signal Name [Specification]	-

Connector No.	B64
Connector Name	WIRE TO WIRE
Connector Type	RS04FB-PR



Terminal No.	2
Color of Wire	R
Signal Name [Specification]	-

Connector No.	B67
Connector Name	REAR COMBINATION LAMP RH
Connector Type	RS06GY-PR



Terminal No.	2
Color of Wire	R
Signal Name [Specification]	-

Connector No.	B151
Connector Name	WIRE TO WIRE
Connector Type	PS04MB



Terminal No.	2
Color of Wire	R
Signal Name [Specification]	-

Connector No.	B152
Connector Name	LICENSE PLATE LAMP LH
Connector Type	RK02FBR



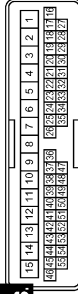
Terminal No.	1
Color of Wire	B
Signal Name [Specification]	-

Connector No.	B153
Connector Name	LICENSE PLATE LAMP RH
Connector Type	RK02FBR



Terminal No.	1
Color of Wire	B
Signal Name [Specification]	-

Connector No.	D1
Connector Name	WIRE TO WIRE
Connector Type	TH40FW-CS15



Terminal No.	51
Color of Wire	R
Signal Name [Specification]	-

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# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

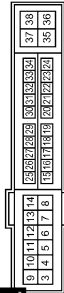
## BATTERY POWER SUPPLY FUSE No. 53

Connector No.	D7
Connector Name	DOOR MIRROR REMOTE CONTROL SWITCH
Connector Type	TK16FW



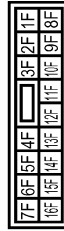
Terminal No.	9
Color of Wire	R
Signal Name [Specification]	—

Connector No.	E5
Connector Name	IPDM E/R INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	TH20FW-CS12-M4-1V



Terminal No.	7
Color of Wire	R
Signal Name [Specification]	—

Connector No.	E103
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS16FW-CS



Terminal No.	9F
Color of Wire	R
Signal Name [Specification]	—

Connector No.	M2
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS10FY-CS



Terminal No.	8B
Color of Wire	R
Signal Name [Specification]	—

Connector No.	M5
Connector Name	WIRE TO WIRE
Connector Type	TH40MW-CS15



Terminal No.	51
Color of Wire	R
Signal Name [Specification]	—

Connector No.	M19
Connector Name	VDC OFF SWITCH
Connector Type	TK04FW



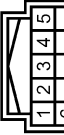
Terminal No.	3
Color of Wire	R
Signal Name [Specification]	—

Connector No.	M35
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TK08FY-EX-1V



Terminal No.	23
Color of Wire	W
Signal Name [Specification]	—

Connector No.	M67
Connector Name	A/C CONTROL
Connector Type	TH10FB-NH



Terminal No.	2
Color of Wire	R
Signal Name [Specification]	ILL+

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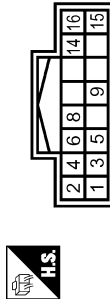
# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

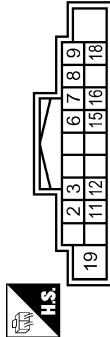
## BATTERY POWER SUPPLY FUSE No. 53

Connector No.	M72
Connector Name	MULTIFUNCTION SWITCH
Connector Type	TH10FW-NH



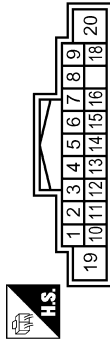
Terminal No.	4
Color of Wire	R
Signal Name [Specification]	ILL

Connector No.	M80
Connector Name	AUDIO UNIT
Connector Type	TH10FW-CS2



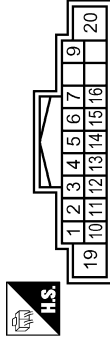
Terminal No.	9
Color of Wire	R
Signal Name [Specification]	ILL(+)

Connector No.	M81
Connector Name	AUDIO UNIT
Connector Type	TH10FW-CS2



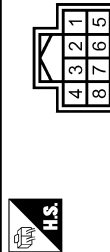
Terminal No.	9
Color of Wire	R
Signal Name [Specification]	ILL(+)

Connector No.	M84
Connector Name	AV CONTROL UNIT
Connector Type	TH10FW-CS2



Terminal No.	9
Color of Wire	R
Signal Name [Specification]	ILLUMINATION

Connector No.	M88
Connector Name	WIRE TO WIRE
Connector Type	TH10FW-NH



Terminal No.	2
Color of Wire	R
Signal Name [Specification]	ILL

Connector No.	M105
Connector Name	WIRE TO WIRE
Connector Type	TH10FW-NH



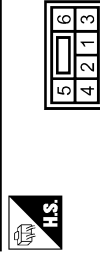
Terminal No.	5
Color of Wire	R
Signal Name [Specification]	ILL(+)

Connector No.	M137
Connector Name	CONTROL DEVICE
Connector Type	TR10FW



Terminal No.	6
Color of Wire	R
Signal Name [Specification]	ILL(+)

Connector No.	M138
Connector Name	HEATED SEAT SWITCH (DRIVER SIDE)
Connector Type	NS06FW-CS



Terminal No.	5
Color of Wire	R
Signal Name [Specification]	ILL(+)

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# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## BATTERY POWER SUPPLY FUSE No. 53

Connector No.	M140
Connector Name	HEATED SEAT SWITCH (PASSENGER SIDE)
Connector Type	NS06BF-CS



Terminal No.	5
Color of Wire	R
Signal Name [Specification]	ILL+

Connector No.	M144
Connector Name	HAZARD SWITCH (WITH A/T)
Connector Type	TK04FW



Terminal No.	3
Color of Wire	R
Signal Name [Specification]	ILL+

Connector No.	M252
Connector Name	WIRE TO WIRE
Connector Type	TH03MW-NH



Terminal No.	2
Color of Wire	SB
Signal Name [Specification]	ILL+

Connector No.	M255
Connector Name	S-MODE SWITCH
Connector Type	TK04FGY



Terminal No.	3
Color of Wire	L
Signal Name [Specification]	ILL+

Connector No.	M256
Connector Name	HAZARD SWITCH (WITH M/T)
Connector Type	TK04FW



Terminal No.	3
Color of Wire	SB
Signal Name [Specification]	ILL+

Connector No.	R1
Connector Name	WIRE TO WIRE
Connector Type	TH16FW-NH



Terminal No.	5
Color of Wire	GR
Signal Name [Specification]	ILL+

Connector No.	R4
Connector Name	MAP LAMP
Connector Type	TK06FGY



Terminal No.	6
Color of Wire	GR
Signal Name [Specification]	ILL+

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**[POWER SUPPLY&GROUND CIRCUIT]**

## Wiring Diagram - ACCESSORY POWER SUPPLY -

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# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## ACCESSORY POWER SUPPLY

Connector No.	E2
Connector Name	FUSIBLE LINK HOLDER
Connector Type	L0ZFGY-10C



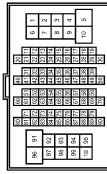
Terminal No.	4
Color of Wire	R
Signal Name [Specification]	—

Connector No.	E101
Connector Name	FUSE BLOCK (J/B)
Connector Type	L01FW-10C



Terminal No.	1D
Color of Wire	R
Signal Name [Specification]	—

Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4



Terminal No.	9I
Color of Wire	W
Signal Name [Specification]	—

Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS16FW-M2



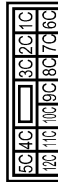
Terminal No.	5A
Color of Wire	L
Signal Name [Specification]	—
Terminal No.	6A
Color of Wire	Y
Signal Name [Specification]	—
Terminal No.	7A
Color of Wire	BR
Signal Name [Specification]	—

Connector No.	M2
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS10FW-CS



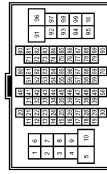
Terminal No.	5B
Color of Wire	O
Signal Name [Specification]	—

Connector No.	M3
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS12FW-CS



Terminal No.	7C
Color of Wire	B
Signal Name [Specification]	—

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4



Terminal No.	9I
Color of Wire	W
Signal Name [Specification]	—

Connector No.	M97
Connector Name	WIRE TO WIRE
Connector Type	M02MB-P-LO



Terminal No.	1
Color of Wire	Y
Signal Name [Specification]	—

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# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## ACCESSORY POWER SUPPLY

Connector No.	M118
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	M03FE-LC



Terminal No.	1
Color of Wire	W
Signal Name [Specification]	BAT (F/L)

Connector No.	M119
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	NS16FW-CS



Terminal No.	11
Color of Wire	BR
Signal Name [Specification]	BAT (FUSE)

Connector No.	M122
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FB-NH



Terminal No.	95
Color of Wire	O
Signal Name [Specification]	ACC RELAY CONT

Connector No.	M148
Connector Name	FRONT POWER SOCKET
Connector Type	P02FB-Z



Terminal No.	1
Color of Wire	Y
Signal Name [Specification]	-

Connector No.	M251
Connector Name	WIRE TO WIRE
Connector Type	M02FE-LC



Terminal No.	1
Color of Wire	Y
Signal Name [Specification]	-

Connector No.	M254
Connector Name	CONSOLE POWER SOCKET
Connector Type	P02FB-Z



Terminal No.	1
Color of Wire	Y
Signal Name [Specification]	-

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# POWER SUPPLY ROUTING CIRCUIT

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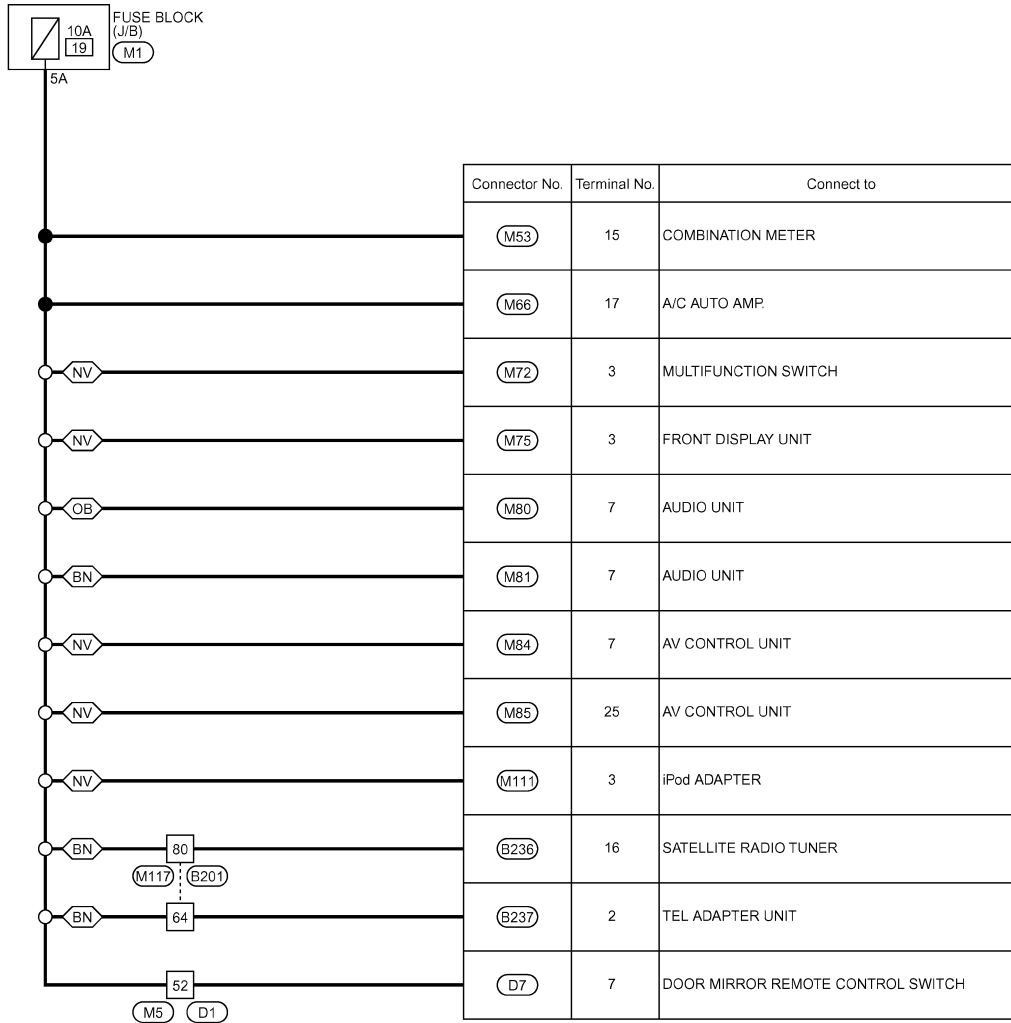
[POWER SUPPLY&GROUND CIRCUIT]

## Wiring Diagram - ACCESSORY POWER SUPPLY FUSE No. 19 -

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### ACCESSORY POWER SUPPLY FUSE No. 19

NV : With NAVI  
 BN : With BOSE system without NAVI  
 OB : Without BOSE system



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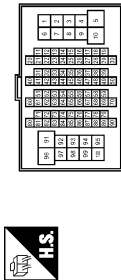
# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

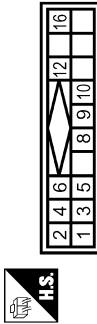
## ACCESSORY POWER SUPPLY FUSE No. 19

Connector No.	B201
Connector Name	WIRE TO WIRE
Connector Type	TH60FW-CS16-TM4



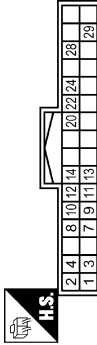
Terminal No.	64	80
Color of Wire	V	V
Signal Name [Specification]	-	-

Connector No.	B236
Connector Name	SATELLITE RADIO TUNER
Connector Type	A18FW



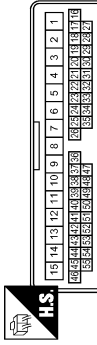
Terminal No.	16
Color of Wire	V
Signal Name [Specification]	ACC

Connector No.	B237
Connector Name	TEL ADAPTER UNIT
Connector Type	TH32FW-NH



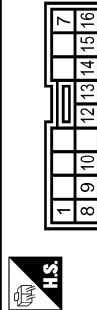
Terminal No.	2
Color of Wire	V
Signal Name [Specification]	ACC

Connector No.	D1
Connector Name	WIRE TO WIRE
Connector Type	TH40FW-CS15



Terminal No.	52
Color of Wire	V
Signal Name [Specification]	-

Connector No.	D7
Connector Name	DOOR MIRROR REMOTE CONTROL SWITCH
Connector Type	TK16FW



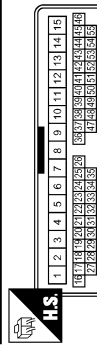
Terminal No.	7
Color of Wire	V
Signal Name [Specification]	-

Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS06FW-M2



Terminal No.	5A
Color of Wire	L
Signal Name [Specification]	-

Connector No.	M5
Connector Name	WIRE TO WIRE
Connector Type	TH40MW-CS15



Terminal No.	52
Color of Wire	L
Signal Name [Specification]	-

Connector No.	M53
Connector Name	COMBINATION METER
Connector Type	TH24FW-NH



Terminal No.	15
Color of Wire	L
Signal Name [Specification]	ACC POWER SUPPLY

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# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## ACCESSORY POWER SUPPLY FUSE No. 19

Connector No.	M86
Connector Name	A/C AUTO AMP.
Connector Type	SAB4FW



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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Terminal No.	17
Color of Wire	L
Signal Name [Specification]	ACC POWER SUPPLY

Connector No.	M72
Connector Name	MULTIFUNCTION SWITCH
Connector Type	TH16FW-NH



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
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Terminal No.	3
Color of Wire	L
Signal Name [Specification]	ACC

Connector No.	M75
Connector Name	FRONT DISPLAY UNIT
Connector Type	TH24FW-NH



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
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Terminal No.	3
Color of Wire	L
Signal Name [Specification]	ACC

Connector No.	M80
Connector Name	AUDIO UNIT
Connector Type	TH18FW-CS2



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
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Terminal No.	7
Color of Wire	L
Signal Name [Specification]	ACC

Connector No.	M81
Connector Name	AUDIO UNIT
Connector Type	TH18FW-CS2



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
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Terminal No.	7
Color of Wire	L
Signal Name [Specification]	ACC

Connector No.	M84
Connector Name	AV CONTROL UNIT
Connector Type	TH18FW-CS2



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
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Terminal No.	7
Color of Wire	L
Signal Name [Specification]	ACC

Connector No.	M85
Connector Name	AV CONTROL UNIT
Connector Type	TH40FW-NH



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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Terminal No.	25
Color of Wire	L
Signal Name [Specification]	ACC

Connector No.	M111
Connector Name	iPod ADAPTER
Connector Type	TH24FW-NH



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
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Terminal No.	3
Color of Wire	V
Signal Name [Specification]	ACC

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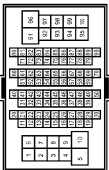

POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

ACCESSORY POWER SUPPLY FUSE No. 19

Connector No.	IM17
Connector Name	WIRE TO WIRE
Connector Type	TH60MW-CSI6-TM4



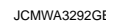
Terminal No.	Color of Wire	Signal Name [Specification]
64	L	-
80	W	-

JCMWA3291GE

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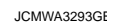
### [POWER SUPPLY&GROUND CIRCUIT]

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2009 370Z

### [POWER SUPPLY&GROUND CIRCUIT]

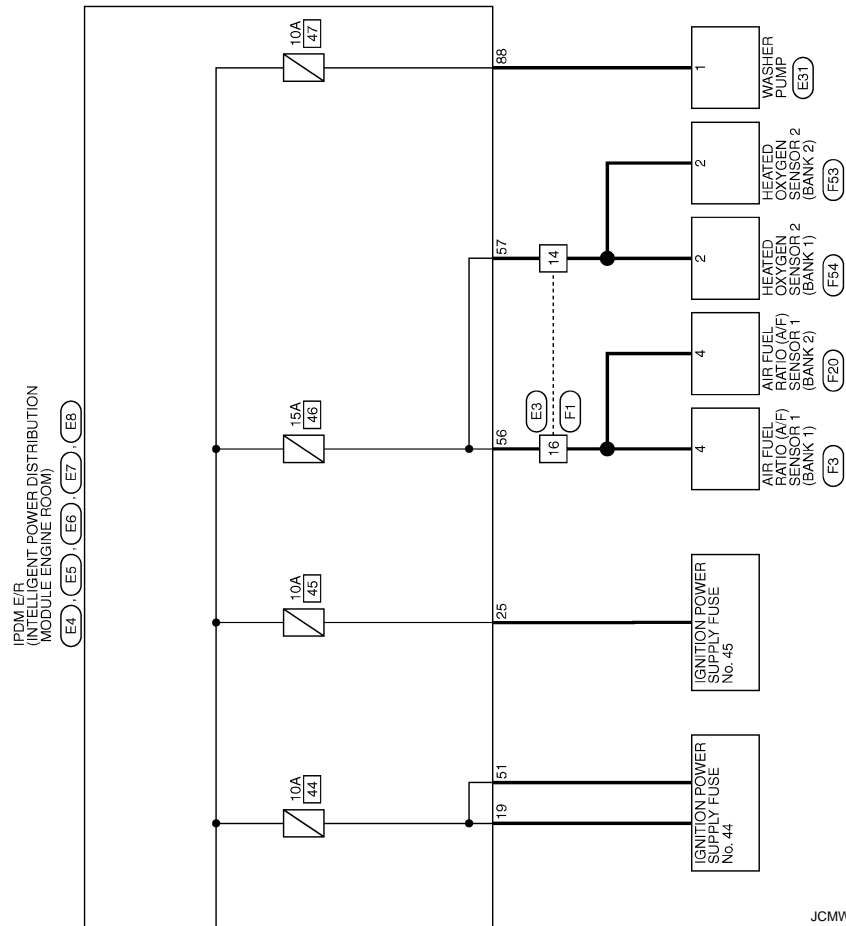


A : With A/T  
M : With M/T

# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]



JCMWA3294Gf



# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]



## IGNITION POWER SUPPLY

Connector No.	B6
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS12BR-CS



Terminal No.	Color of Wire	Signal Name [Specification]
10G	W	-
11G	W	-

Connector No.	B9
Connector Name	WIRE TO WIRE
Connector Type	NS08FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	P	-

Connector No.	B22
Connector Name	FUEL LEVEL SENSOR UNIT AND FUEL PUMP (MAIN)
Connector Type	ED05GY-RS



Terminal No.	Color of Wire	Signal Name [Specification]
1	P	-

Connector No.	B50
Connector Name	CONDENSER
Connector Type	MO2FW-LG


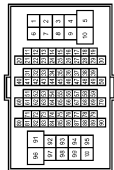
Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-

Connector No.	B51
Connector Name	WIRE TO WIRE
Connector Type	MO4MW-LG


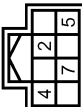
Terminal No.	Color of Wire	Signal Name [Specification]
2	Y	-

Connector No.	B201
Connector Name	WIRE TO WIRE
Connector Type	TH00FW-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
6	R	-

Connector No.	B214
Connector Name	OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT
Connector Type	TH00FW-NH

Terminal No.	Color of Wire	Signal Name [Specification]
4	R	IGN

Connector No.	D101
Connector Name	WIRE TO WIRE
Connector Type	MO4FW-LG

Terminal No.	Color of Wire	Signal Name [Specification]
2	Y	-

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# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## IGNITION POWER SUPPLY

Connector No.	D106
Connector Name	CONDENSER
Connector Type	M01FW-LC



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-

Connector No.	E1
Connector Name	FUSELE LINK HOLDER
Connector Type	L02EBR-MC



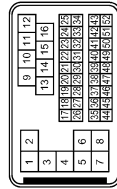
Terminal No.	Color of Wire	Signal Name [Specification]
2	W	-

Connector No.	E2
Connector Name	FUSEBLE LINK HOLDER
Connector Type	L02EGY-MC



Terminal No.	Color of Wire	Signal Name [Specification]
3	L	-
4	R	-

Connector No.	E3
Connector Name	WIRE TO WIRE
Connector Type	S4436MB-RS8-SHZ3



Terminal No.	Color of Wire	Signal Name [Specification]
13	L	-
14	G	-
16	LG	-
17	GR	-
30	R	-

Connector No.	E4
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	L02FB-MC



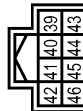
Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	L	-

Connector No.	E5
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	TH20PW-CS12-M4-1V



Terminal No.	Color of Wire	Signal Name [Specification]
4	V	-
5	L	-
12	B/W	-
13	Y	-
16	LG	-
19	W	-
25	G	-
27	Y	-

Connector No.	E6
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	TH06PW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
39	P	-
40	L	-
41	B/W	-

Connector No.	E7
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	TH20PW-CS12-M4



Terminal No.	Color of Wire	Signal Name [Specification]
48	L	-
51	Y	-
56	LG	-
57	G	-
58	P	-
73	GR	-
74	G	-
77	R	-

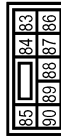
# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## IGNITION POWER SUPPLY

Connector No.	E8
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	NS08FW-CS



Terminal No.	88
Color of Wire	G
Signal Name [Specification]	-

Connector No.	E17
Connector Name	COOLING FAN RELAY
Connector Type	24347-9F300



Terminal No.	2
Color of Wire	G
Signal Name [Specification]	-

Connector No.	E31
Connector Name	WASHER PUMP
Connector Type	EQ02GY-RS



Terminal No.	1
Color of Wire	G
Signal Name [Specification]	-

Connector No.	E42
Connector Name	FRONT WIPER MOTOR
Connector Type	HS05FGY



Terminal No.	1
Color of Wire	V
Signal Name [Specification]	-
Terminal No.	4
Color of Wire	L
Signal Name [Specification]	-
Terminal No.	5
Color of Wire	LG
Signal Name [Specification]	-

Connector No.	E101
Connector Name	FUSE BLOCK (J/B)
Connector Type	L01FW-MC



Terminal No.	1D
Color of Wire	R
Signal Name [Specification]	-

Connector No.	E102
Connector Name	FUSE BLOCK (J/B)
Connector Type	M02FB-LC



Terminal No.	1E
Color of Wire	G
Signal Name [Specification]	-

Connector No.	E103
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS16FW-CS



Terminal No.	4F
Color of Wire	G
Signal Name [Specification]	-
Terminal No.	6F
Color of Wire	O
Signal Name [Specification]	-

Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	TH60FW-CS16-TM4



Terminal No.	8
Color of Wire	P
Signal Name [Specification]	-
Terminal No.	9
Color of Wire	L
Signal Name [Specification]	-
Terminal No.	32
Color of Wire	Y
Signal Name [Specification]	-
Terminal No.	45
Color of Wire	O
Signal Name [Specification]	-
Terminal No.	47
Color of Wire	P
Signal Name [Specification]	-
Terminal No.	91
Color of Wire	W
Signal Name [Specification]	-

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# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

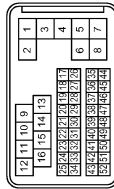
## IGNITION POWER SUPPLY

Connector No.	E117
Connector Name	WIRE TO WIRE
Connector Type	NS08MW-CS



Terminal No.	1
Color of Wire	Y
Signal Name [Specification]	-

Connector No.	F1
Connector Name	WIRE TO WIRE
Connector Type	SXA38EB-FSS-SH28



Terminal No.	13
Color of Wire	O
Signal Name [Specification]	-
Terminal No.	14
Color of Wire	LG
Signal Name [Specification]	-
Terminal No.	16
Color of Wire	Y
Signal Name [Specification]	-
Terminal No.	17
Color of Wire	W
Signal Name [Specification]	-
Terminal No.	30
Color of Wire	R
Signal Name [Specification]	-

Connector No.	F3
Connector Name	AIR FUEL RATIO (A/F) SENSOR 1 (BANK 1)
Connector Type	AFZ04EDGY



Terminal No.	4
Color of Wire	Y
Signal Name [Specification]	-

Connector No.	F20
Connector Name	AIR FUEL RATIO (A/F) SENSOR 1 (BANK 2)
Connector Type	AFZ04EDGY



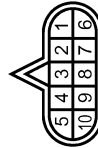
Terminal No.	4
Color of Wire	Y
Signal Name [Specification]	-

Connector No.	F43
Connector Name	COMPRESSOR
Connector Type	RS01FB



Terminal No.	1
Color of Wire	O
Signal Name [Specification]	MAGNET GLUTCH POWER SUPPLY

Connector No.	F51
Connector Name	A/T ASSEMBLY
Connector Type	RK10FG-DGY



Terminal No.	1
Color of Wire	Y
Signal Name [Specification]	-
Terminal No.	6
Color of Wire	Y
Signal Name [Specification]	-

Connector No.	F53
Connector Name	HEATED OXYGEN SENSOR 2 (BANK 2)
Connector Type	AFZ04FB



Terminal No.	2
Color of Wire	LG
Signal Name [Specification]	-

Connector No.	F54
Connector Name	HEATED OXYGEN SENSOR 2 (BANK 1)
Connector Type	AFZ04FB



Terminal No.	2
Color of Wire	R
Signal Name [Specification]	-

JCMWA3298GE



# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

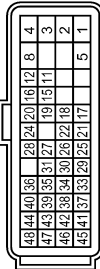
## IGNITION POWER SUPPLY

Connector No.	F53
Connector Name	PARK / NEUTRAL POSITION SWITCH
Connector Type	RK02FB



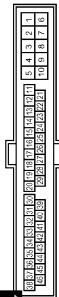
Terminal No.	2
Color of Wire	W
Signal Name [Specification]	-

Connector No.	F101
Connector Name	ECM
Connector Type	RH40FB-R28-L-LH-Z



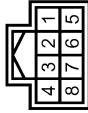
Terminal No.	22
Color of Wire	R
Signal Name [Specification]	FPR

Connector No.	F103
Connector Name	WIRE TO WIRE
Connector Type	TK36FW-NS10



Terminal No.	45
Color of Wire	Y
Signal Name [Specification]	-

Connector No.	F104
Connector Name	WIRE TO WIRE
Connector Type	TH48FW-NH



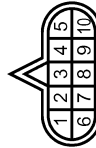
Terminal No.	7
Color of Wire	R
Signal Name [Specification]	-

Connector No.	F105
Connector Name	WIRE TO WIRE
Connector Type	TH68MW-NH



Terminal No.	7
Color of Wire	R
Signal Name [Specification]	-

Connector No.	F301
Connector Name	TCM (TRANSMISSION CONTROL MODULE)
Connector Type	SP10FG



Terminal No.	6
Color of Wire	GR
Signal Name [Specification]	VGN

Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS56FW-M2



Terminal No.	2A
Color of Wire	G
Signal Name [Specification]	-

Connector No.	M2
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS10FW-CS



Terminal No.	4B
Color of Wire	G
Signal Name [Specification]	-

JCMWA3299GE

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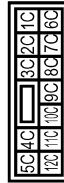
# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

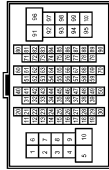
## IGNITION POWER SUPPLY

Connector No.	M3
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS12FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
6C	R	-
7C	B	-
9C	R	-
11C	LG	-
12C	O	-

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TH60MW-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
8	P	-
9	L	-
32	V	-
45	O	-
47	BR	-
91	W	-

Connector No.	M66
Connector Name	A/C AUTO AMP.
Connector Type	SAB40FW



Terminal No.	Color of Wire	Signal Name [Specification]
26	R	REAR WINDOW DEFOGGER FEEDBACK SIGNAL

Connector No.	M109
Connector Name	BLOWER MOTOR
Connector Type	NS16FW-M3



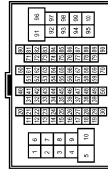
Terminal No.	Color of Wire	Signal Name [Specification]
1	L	BLOWER MOTOR POWER SUPPLY

Connector No.	M116
Connector Name	WIRE TO WIRE
Connector Type	TK38MW-NS10



Terminal No.	Color of Wire	Signal Name [Specification]
45	BR	-

Connector No.	M117
Connector Name	WIRE TO WIRE
Connector Type	TH60MW-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
6	LG	-

Connector No.	M118
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	M30FB-LC



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	BAT (F/L)

Connector No.	M119
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	NS16FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
11	BR	BAT (FUSE)
13	B	GND

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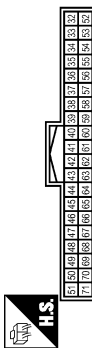
# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

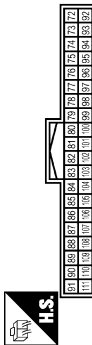
## IGNITION POWER SUPPLY

Connector No.	M121
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40F-GY-NH



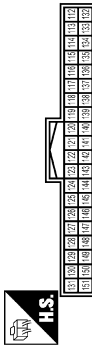
Terminal No.	Color of Wire	Signal Name [Specification]
47	V	IGN RELAY (IPDM E/R) CONT

Connector No.	M122
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40F-B-NH



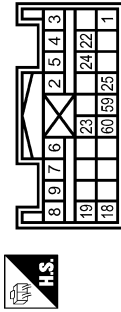
Terminal No.	Color of Wire	Signal Name [Specification]
82	R	IGN RELAY (E/B) CONT
90	P	CAN-L
91	L	CAN-H
102	O	BLOWER FAN MOTOR RELAY CONT

Connector No.	M123
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40F-G-NH



Terminal No.	Color of Wire	Signal Name [Specification]
151	G	REAR WINDOW DEFOGGER RELAY CONT

Connector No.	M147
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	NH28FY-EX



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	IGN

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# POWER SUPPLY ROUTING CIRCUIT

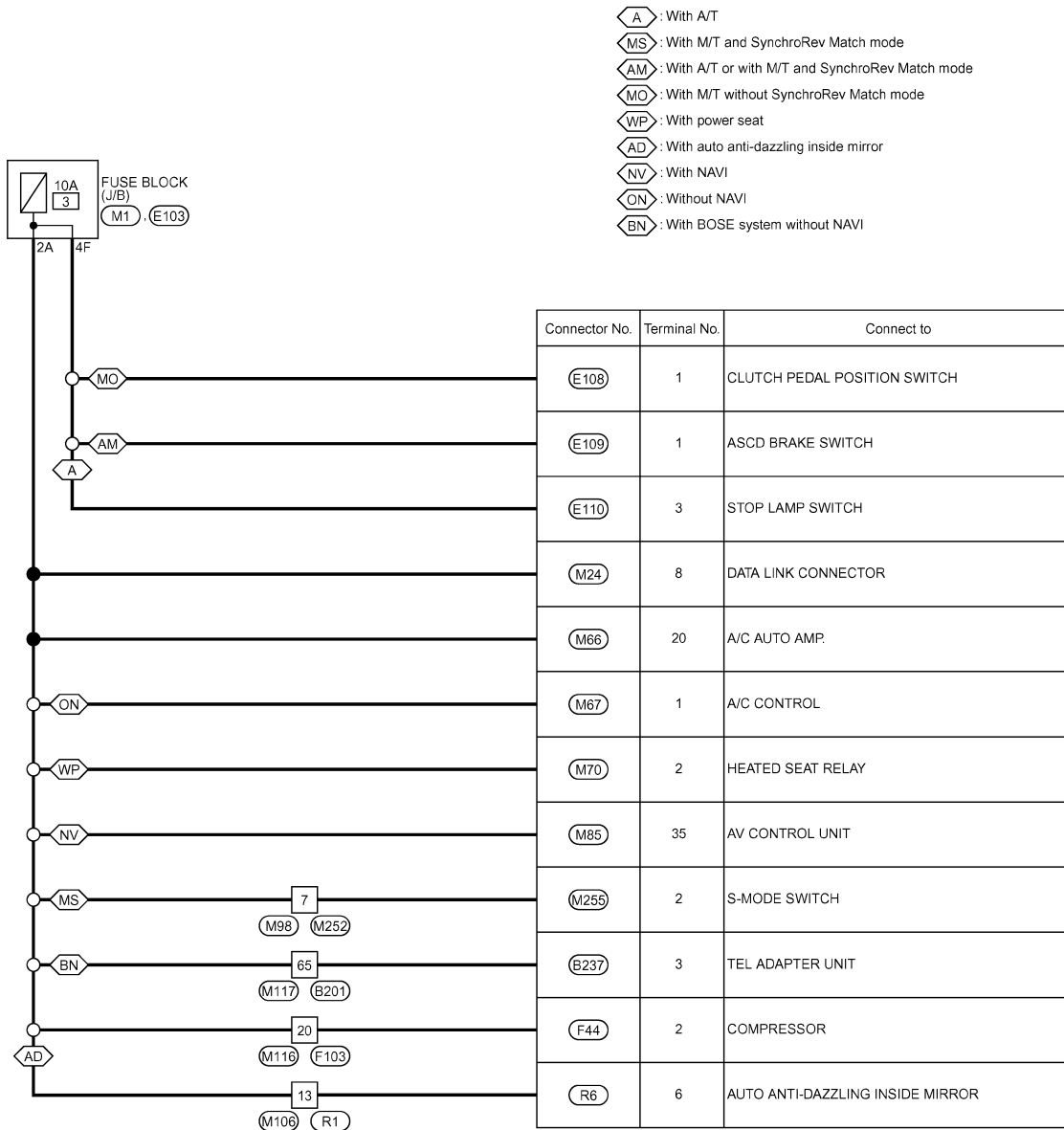
< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 3 -

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### IGNITION POWER SUPPLY FUSE No. 3



2008/09/12

JCMWA3302Gf

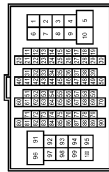
# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

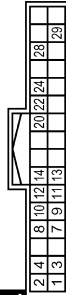
## IGNITION POWER SUPPLY FUSE No. 3

Connector No.	B201
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4



Terminal No.	65
Color of Wire	SB
Signal Name [Specification]	-

Connector No.	B237
Connector Name	TEL ADAPTER UNIT
Connector Type	TH32FW-NH



Terminal No.	3
Color of Wire	SB
Signal Name [Specification]	IGNITION

Connector No.	E103
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS16FW-CS



Terminal No.	4F
Color of Wire	G
Signal Name [Specification]	-

Connector No.	E106
Connector Name	CLUTCH PEDAL POSITION SWITCH
Connector Type	S02FL



Terminal No.	1
Color of Wire	G
Signal Name [Specification]	- [Without SynchroRev Match mode]

Connector No.	E109
Connector Name	ASD BRAKE SWITCH
Connector Type	S02FL



Terminal No.	1
Color of Wire	G
Signal Name [Specification]	- [Except for M.T. Without SynchroRev Match mode]

Connector No.	E110
Connector Name	STOP LAMP SWITCH
Connector Type	M04FW-LC



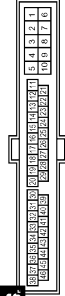
Terminal No.	3
Color of Wire	G
Signal Name [Specification]	-

Connector No.	F44
Connector Name	COMPRESSOR
Connector Type	FR02FGY



Terminal No.	2
Color of Wire	Y
Signal Name [Specification]	ECV POWER SUPPLY

Connector No.	F103
Connector Name	WIRE TO WIRE
Connector Type	TK38FW-NS10



Terminal No.	20
Color of Wire	Y
Signal Name [Specification]	-

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# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

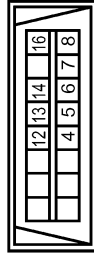
## IGNITION POWER SUPPLY FUSE No. 3

Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS06FW-M2



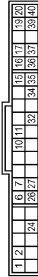
Terminal No.	2A
Color of Wire	G
Signal Name [Specification]	-

Connector No.	M24
Connector Name	DATA LINK CONNECTOR
Connector Type	BD16FW



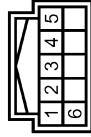
Terminal No.	8
Color of Wire	G
Signal Name [Specification]	-

Connector No.	M66
Connector Name	A/C AUTO AMP.
Connector Type	SAB40FW



Terminal No.	20
Color of Wire	G
Signal Name [Specification]	IGNITION POWER SUPPLY

Connector No.	M67
Connector Name	A/C CONTROL
Connector Type	TH10EB-NH



Terminal No.	1
Color of Wire	G
Signal Name [Specification]	IGNITION POWER SUPPLY

Connector No.	M70
Connector Name	HEATED SEAT RELAY
Connector Type	MS02FL-M2-LC



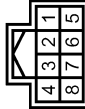
Terminal No.	2
Color of Wire	G
Signal Name [Specification]	-

Connector No.	M85
Connector Name	AV CONTROL UNIT
Connector Type	TH40FW-NH



Terminal No.	35
Color of Wire	G
Signal Name [Specification]	IGNITION

Connector No.	M88
Connector Name	WIRE TO WIRE
Connector Type	TH08FW-NH



Terminal No.	7
Color of Wire	B
Signal Name [Specification]	-

Connector No.	M106
Connector Name	WIRE TO WIRE
Connector Type	TH10MP-NH



Terminal No.	13
Color of Wire	G
Signal Name [Specification]	-

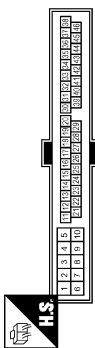
# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

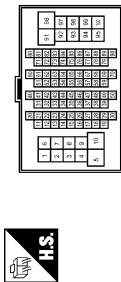
## IGNITION POWER SUPPLY FUSE No. 3

Connector No.	M116
Connector Name	WIRE TO WIRE
Connector Type	TK38MW-NS10



Terminal No.	20
Color of Wire	G
Signal Name [Specification]	-

Connector No.	M117
Connector Name	WIRE TO WIRE
Connector Type	TH60MW-CS16-TM4



Terminal No.	65
Color of Wire	G
Signal Name [Specification]	-

Connector No.	M252
Connector Name	WIRE TO WIRE
Connector Type	TH08MW-NH



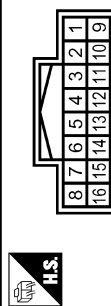
Terminal No.	7
Color of Wire	G
Signal Name [Specification]	-

Connector No.	M255
Connector Name	S-MODE SWITCH
Connector Type	TK04FGY



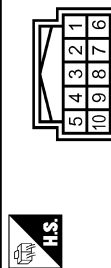
Terminal No.	2
Color of Wire	G
Signal Name [Specification]	-

Connector No.	R1
Connector Name	WIRE TO WIRE
Connector Type	TH10FW-NH



Terminal No.	13
Color of Wire	B/Y
Signal Name [Specification]	-

Connector No.	R6
Connector Name	AUTO ANTI-DAZZLING INSIDE MIRROR
Connector Type	TH10FB-NH



Terminal No.	6
Color of Wire	B/R
Signal Name [Specification]	-

JCMWA3305GE

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# POWER SUPPLY ROUTING CIRCUIT

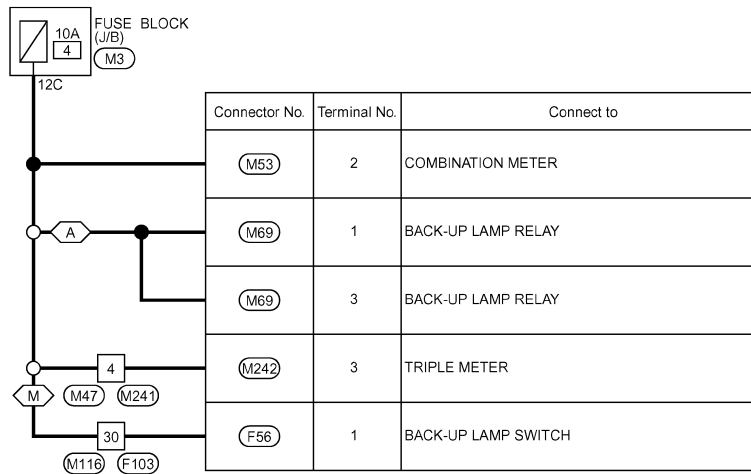
< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 4 - IGNITION POWER SUPPLY FUSE No. 4

INFOID:000000004490887

 : With A/T  
 : With M/T



2008/09/12

JCMWA3306Gf



# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## IGNITION POWER SUPPLY FUSE No. 4

Connector No.	F56
Connector Name	BACK-UP LAMP SWITCH
Connector Type	RK02FB



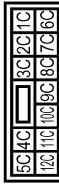
Terminal No.	1
Color of Wire	R
Signal Name [Specification]	-

Connector No.	F103
Connector Name	WIRE TO WIRE
Connector Type	TK36FW-NS10



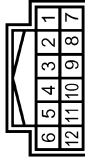
Terminal No.	30
Color of Wire	R
Signal Name [Specification]	-

Connector No.	M3
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS12FW-CS



Terminal No.	12C
Color of Wire	O
Signal Name [Specification]	-

Connector No.	M47
Connector Name	WIRE TO WIRE
Connector Type	TH12FW-NH



Terminal No.	4
Color of Wire	O
Signal Name [Specification]	-

Connector No.	M53
Connector Name	COMBINATION METER
Connector Type	TH124FW-NH



Terminal No.	2
Color of Wire	O
Signal Name [Specification]	IGNITION SIGNAL

Connector No.	M59
Connector Name	BACK-UP LAMP RELAY
Connector Type	MS02FL-MZ-LC



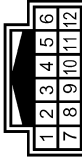
Terminal No.	1
Color of Wire	W
Signal Name [Specification]	-

Connector No.	M116
Connector Name	WIRE TO WIRE
Connector Type	TK36MW-NS10



Terminal No.	30
Color of Wire	R
Signal Name [Specification]	-

Connector No.	M241
Connector Name	WIRE TO WIRE
Connector Type	TH12MW-NH



Terminal No.	4
Color of Wire	O
Signal Name [Specification]	-

JCMWA3307GE

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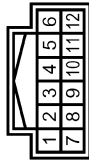
# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## IGNITION POWER SUPPLY FUSE No. 4

Connector No.	M242
Connector Name	TRIPLE METER
Connector Type	TH12FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
3	O	IGNITION SIGNAL

JCMWA3308GE

# POWER SUPPLY ROUTING CIRCUIT

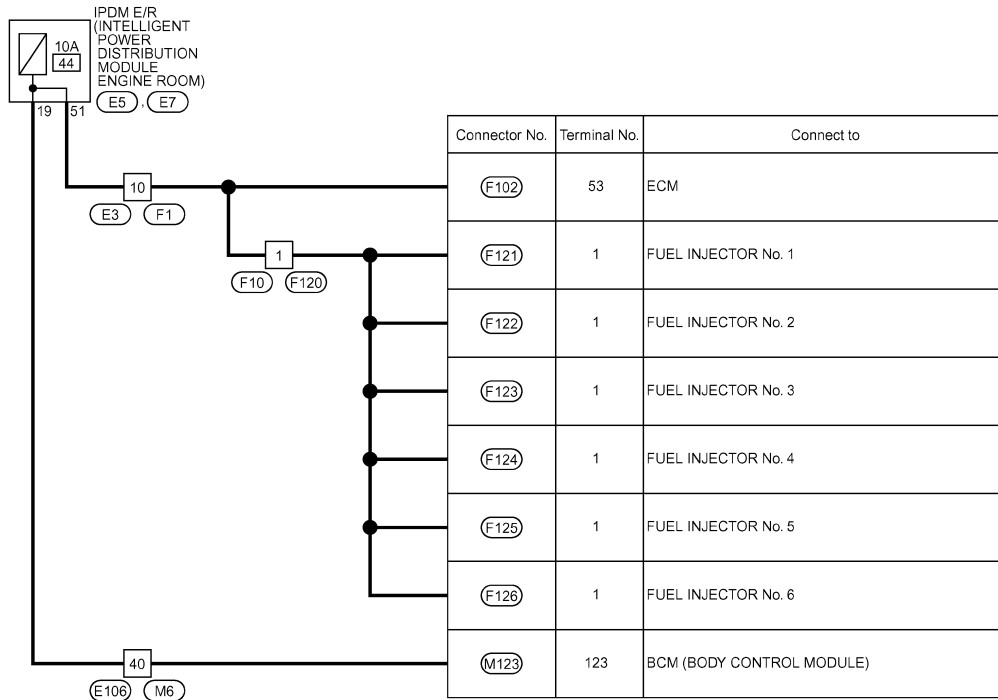
< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 44 -

INFOID:000000004490888

IGNITION POWER SUPPLY FUSE No. 44



2008/09/12

JCMWA3309GE

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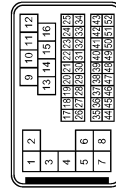
# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

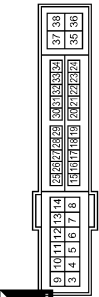
## IGNITION POWER SUPPLY FUSE No. 44

Connector No.	E3
Connector Name	WIRE TO WIRE
Connector Type	SAA38ME-RSS-SH23



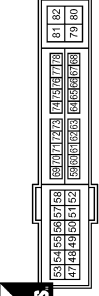
Terminal No.	10
Color of Wire	Y
Signal Name [Specification]	—

Connector No.	E5
Connector Name	IPDM E/R INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	TH20FW-CS12-M4-TV



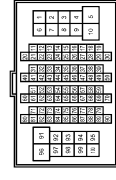
Terminal No.	19
Color of Wire	W
Signal Name [Specification]	—

Connector No.	E7
Connector Name	IPDM E/R INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	TH20FW-CS12-M4



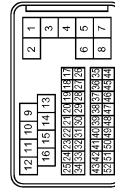
Terminal No.	51
Color of Wire	Y
Signal Name [Specification]	—

Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	TH60FY-CS16-TM4




Terminal No.	40
Color of Wire	W
Signal Name [Specification]	—

Connector No.	F1
Connector Name	WIRE TO WIRE
Connector Type	SAA38FB-RSS-SH23



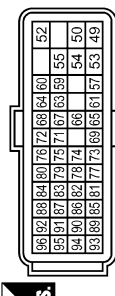
Terminal No.	10
Color of Wire	G
Signal Name [Specification]	—

Connector No.	F10
Connector Name	WIRE TO WIRE
Connector Type	RI08FB




Terminal No.	1
Color of Wire	G
Signal Name [Specification]	—

Connector No.	F102
Connector Name	ECM
Connector Type	RI40FBR-R25-L-U1-Z



Terminal No.	53
Color of Wire	W
Signal Name [Specification]	IGNSW

Connector No.	F120
Connector Name	WIRE TO WIRE
Connector Type	RI08MB



Terminal No.	1
Color of Wire	G
Signal Name [Specification]	—

JCMWA3310GE

# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## IGNITION POWER SUPPLY FUSE No. 44

Connector No.	F121
Connector Name	FUEL INJECTOR No. 1
Connector Type	HS02FGY



Terminal No.	1	G
Color of Wire		
Signal Name [Specification]		

Connector No.	F122
Connector Name	FUEL INJECTOR No. 2
Connector Type	HS02FGY



Terminal No.	1	G
Color of Wire		
Signal Name [Specification]		

Connector No.	F123
Connector Name	FUEL INJECTOR No. 3
Connector Type	HS02FGY



Terminal No.	1	G
Color of Wire		
Signal Name [Specification]		

Connector No.	F124
Connector Name	FUEL INJECTOR No. 4
Connector Type	HS02FGY



Terminal No.	1	G
Color of Wire		
Signal Name [Specification]		

Connector No.	F125
Connector Name	FUEL INJECTOR No. 5
Connector Type	HS02FGY



Terminal No.	1	G
Color of Wire		
Signal Name [Specification]		

Connector No.	F126
Connector Name	FUEL INJECTOR No. 6
Connector Type	HS02FGY



Terminal No.	1	G
Color of Wire		
Signal Name [Specification]		

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TH60MM-CSI6-7M4



Terminal No.	40	W
Color of Wire		
Signal Name [Specification]		

Connector No.	M123
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FG-NH



Terminal No.	123	W
Color of Wire		
Signal Name [Specification]		IGN F/B

JCMWA3311GE

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# POWER SUPPLY ROUTING CIRCUIT

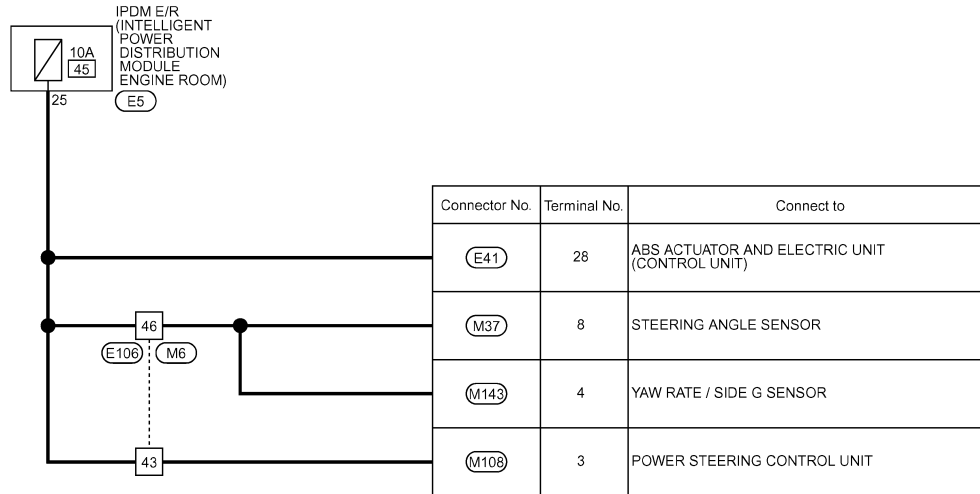
< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 45 -

INFOID:000000004490889

IGNITION POWER SUPPLY FUSE No. 45



2008/09/12

JCMWA3312GE

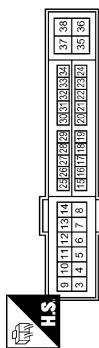
# POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY&GROUND CIRCUIT]

< COMPONENT DIAGNOSIS >

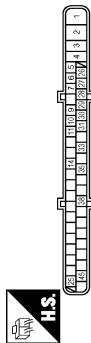
## IGNITION POWER SUPPLY FUSE No. 45

Connector No.	E5
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	TH20FW-CS12-M4-IV



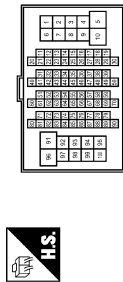
Terminal No.	25
Color of Wire	G
Signal Name [Specification]	-

Connector No.	E41
Connector Name	ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT)
Connector Type	BA442EB-4R24-LH



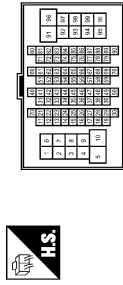
Terminal No.	28
Color of Wire	G
Signal Name [Specification]	UZ

Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4



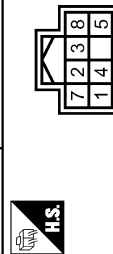
Terminal No.	43
Color of Wire	G
Signal Name [Specification]	-
Terminal No.	46
Color of Wire	W
Signal Name [Specification]	-

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TH80MH-GS16-TM4



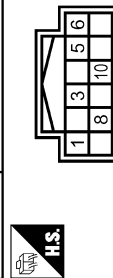
Terminal No.	43
Color of Wire	G
Signal Name [Specification]	-
Terminal No.	46
Color of Wire	G
Signal Name [Specification]	-

Connector No.	M37
Connector Name	STEERING ANGLE SENSOR
Connector Type	TH08FW-NH



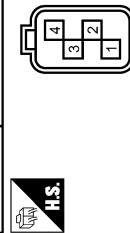
Terminal No.	8
Color of Wire	G
Signal Name [Specification]	IGN

Connector No.	M108
Connector Name	POWER STEERING CONTROL UNIT
Connector Type	TH12FW-NH



Terminal No.	3
Color of Wire	G
Signal Name [Specification]	IGN

Connector No.	M143
Connector Name	YAW RATE / SIDE G SENSOR
Connector Type	JA204FB



Terminal No.	4
Color of Wire	G
Signal Name [Specification]	12V

JCMWA3313GE

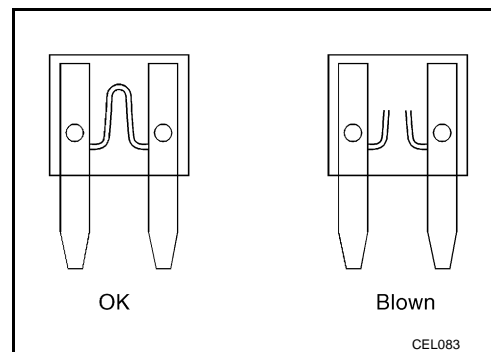
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### Fuse

INFOID:000000004496405

- 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

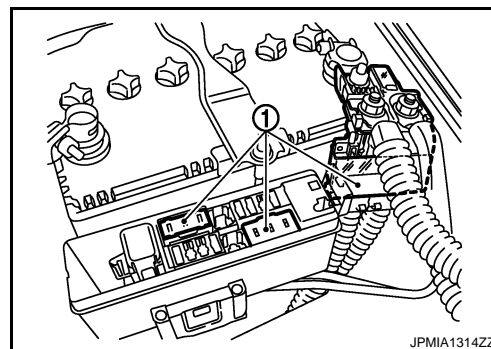
INFOID:000000004496406

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.

1 : Fusible link

#### CAUTION:

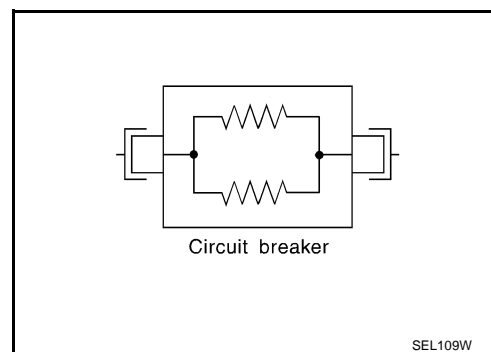
- If fusible link should melt, it is possible that critical circuit (power supply or large current carrying circuit) is shorted. In such a case, carefully check and eliminate cause of malfunction.
- Never wrap outside of fusible link with vinyl tape. Important: Never let fusible link touch any other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



### Circuit Breaker

INFOID:000000004496407

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.





# HARNESS LAYOUT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

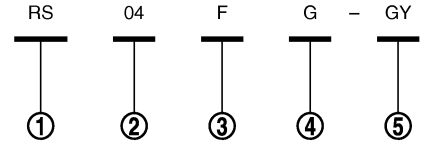
## HARNESS LAYOUT

### How To Read Harness Layout

INFOID:000000004490952

- 1 : Connector model
- 2 : Cavity
- 3 : Male (M) and female (F) terminals
- 4 : Connector color
- 5 : Special type

Example:



JPMIA0113GB

### 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
Connector symbol				
Ground terminal etc.	—			

JPMIA0114GB

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# HARNESS LAYOUT

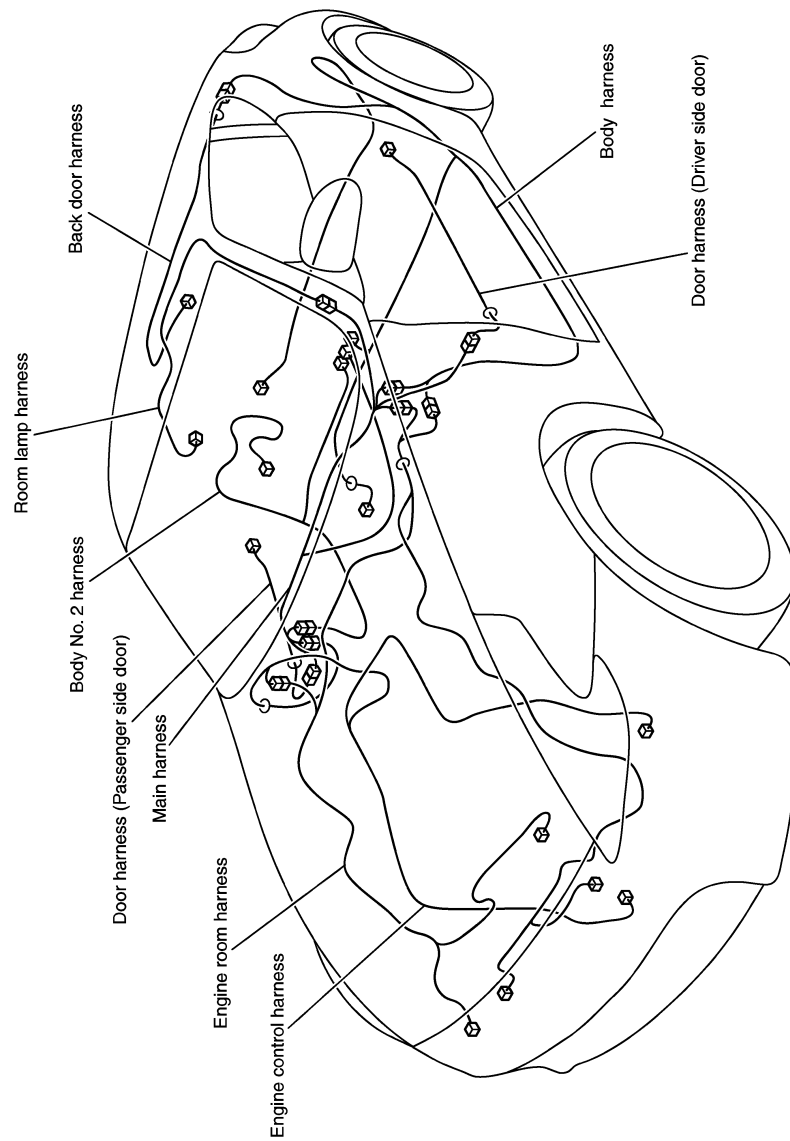
< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## Outline

INFOID:000000004490953

### OUTLINE



2008/09/12

JCMIA0468GB

# HARNESS LAYOUT

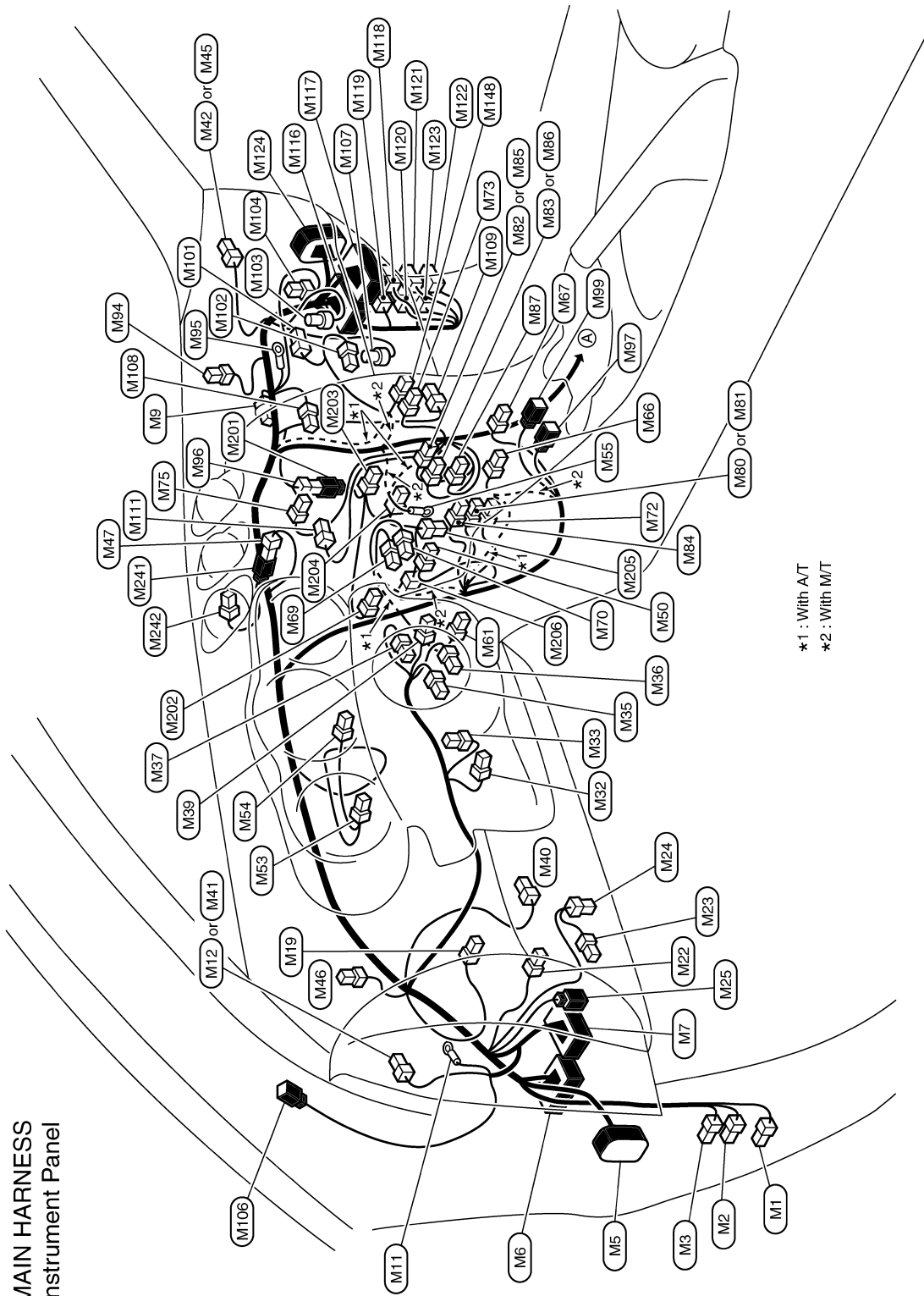
< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

Main Harness

INFOID:000000004694673

INSTRUMENT PANEL



\*1 : With A/T  
\*2 : With M/T

MAIN HARNESS  
Instrument Panel

2008/09/12

JCMIA0469GB

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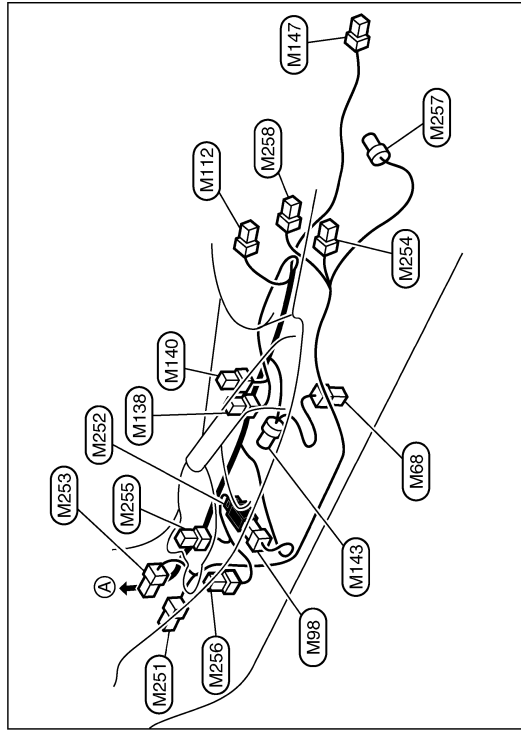
# HARNESS LAYOUT

< COMPONENT DIAGNOSIS >

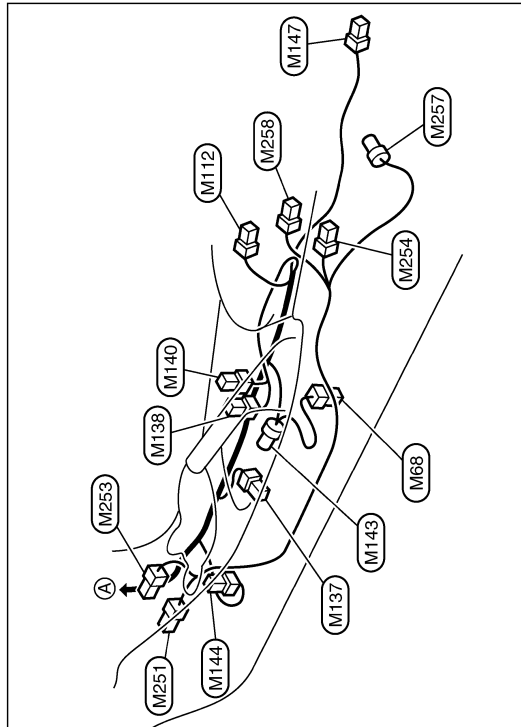
[POWER SUPPLY&GROUND CIRCUIT]

## FLOOR CONSOLE

With M/T



With A/T



Floor Console

2008/09/12

JCMIA0470GB

**[POWER SUPPLY&GROUND CIRCUIT]**

INFOID:0000000004490955

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2008/09/12

JCMIA0471GB

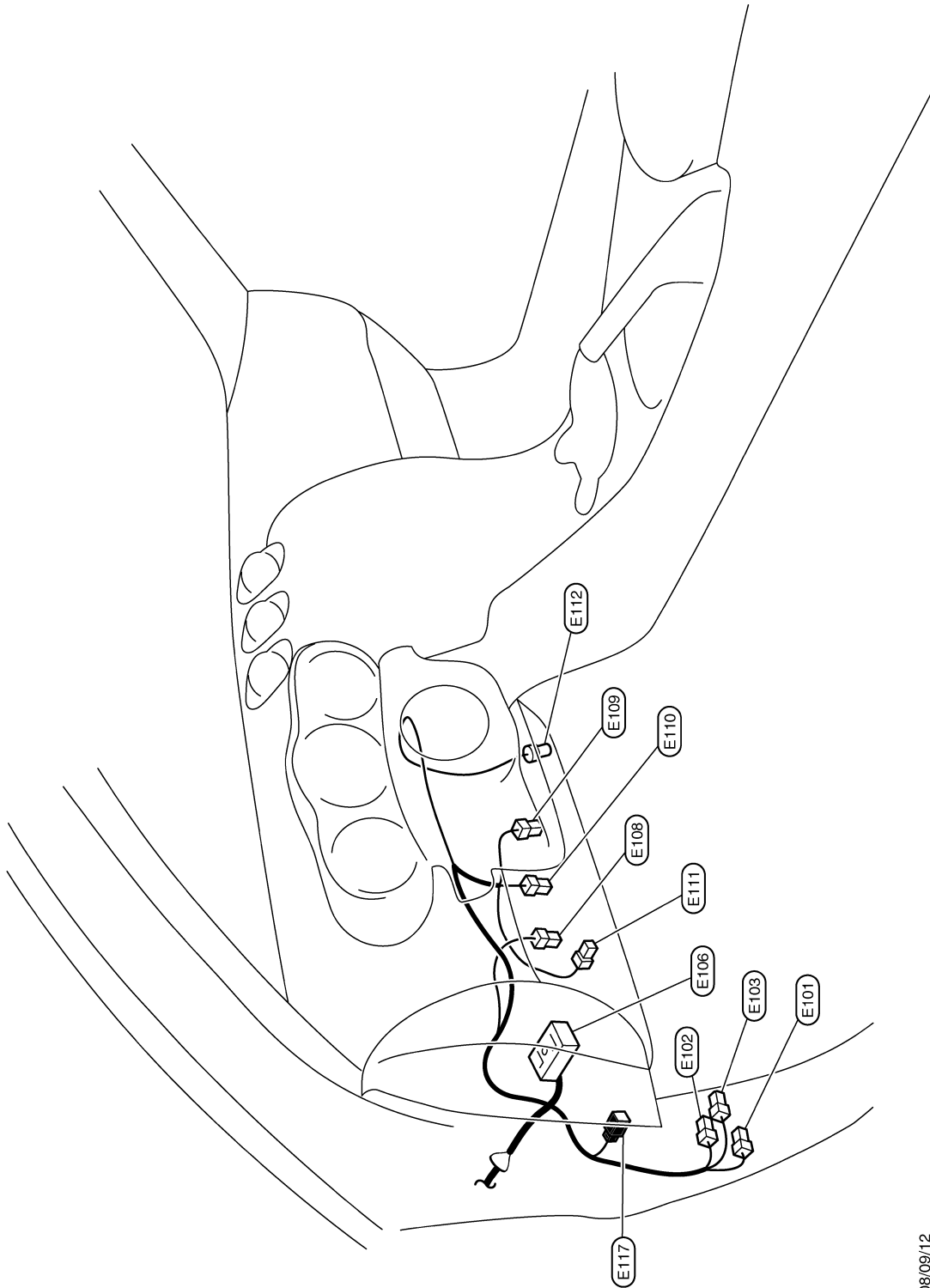
# HARNESS LAYOUT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

PASSENGER COMPARTMENT

Passenger Compartment



2008/09/12

JCMIA0472GB

# HARNESS LAYOUT

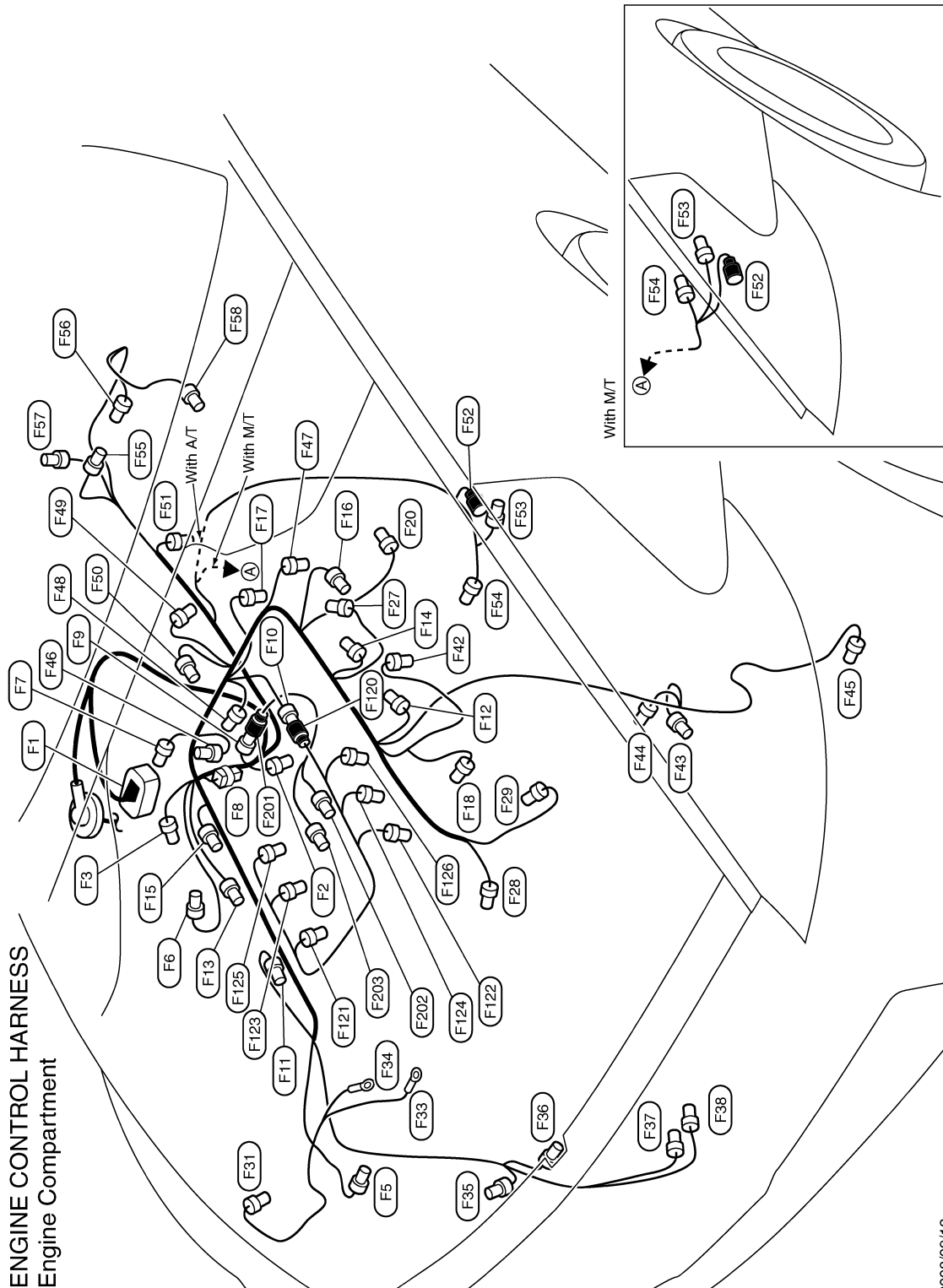
< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

Engine Control Harness

INFOID:000000004490956

ENGINE COMPARTMENT



ENGINE CONTROL HARNESS  
Engine Compartment

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2008/09/12

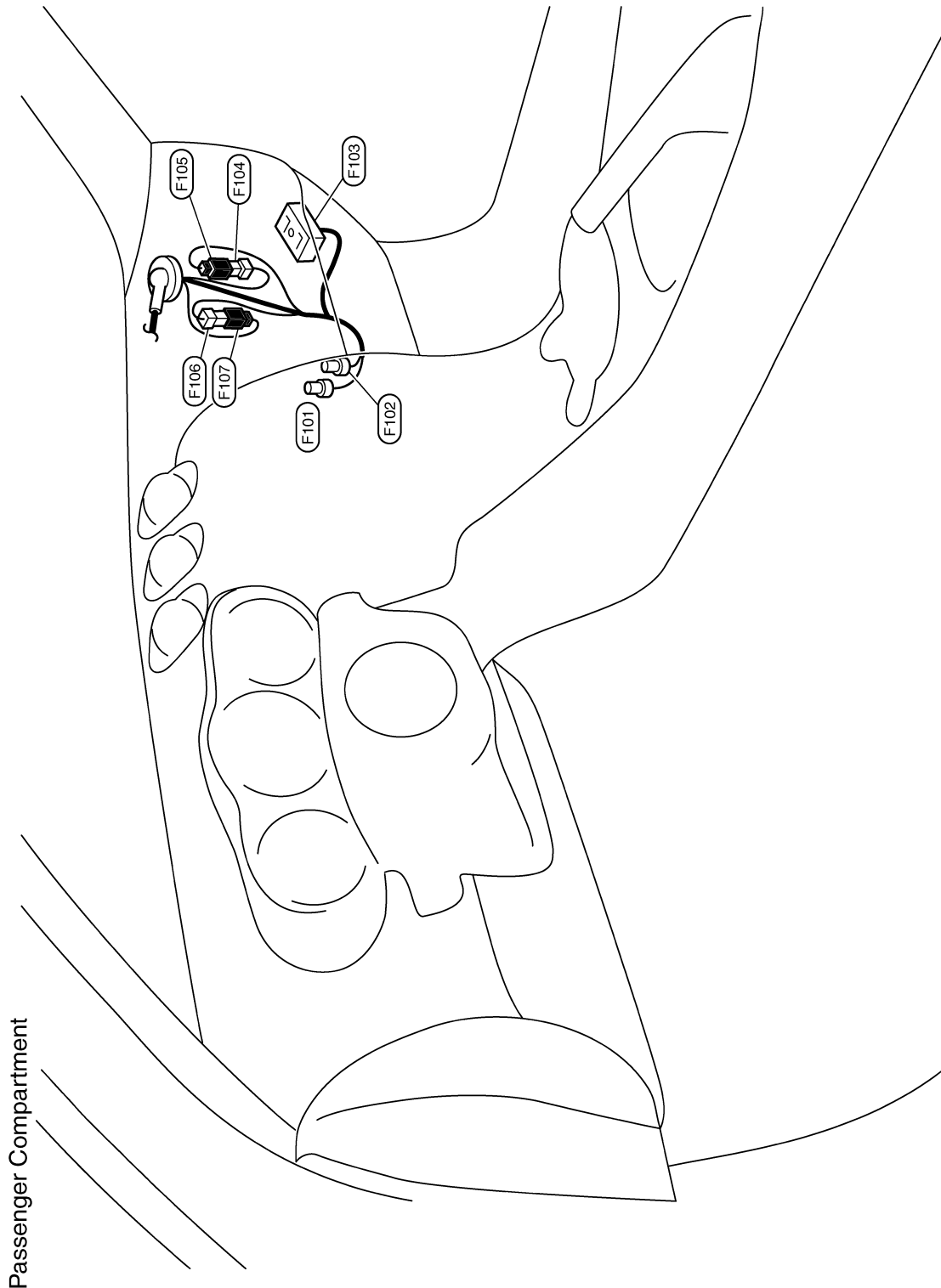
JCMIA0473GB

# HARNESS LAYOUT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## PASSENGER COMPARTMENT



Passenger Compartment

2008/09/12

JCMIA0474GB



# HARNESS LAYOUT

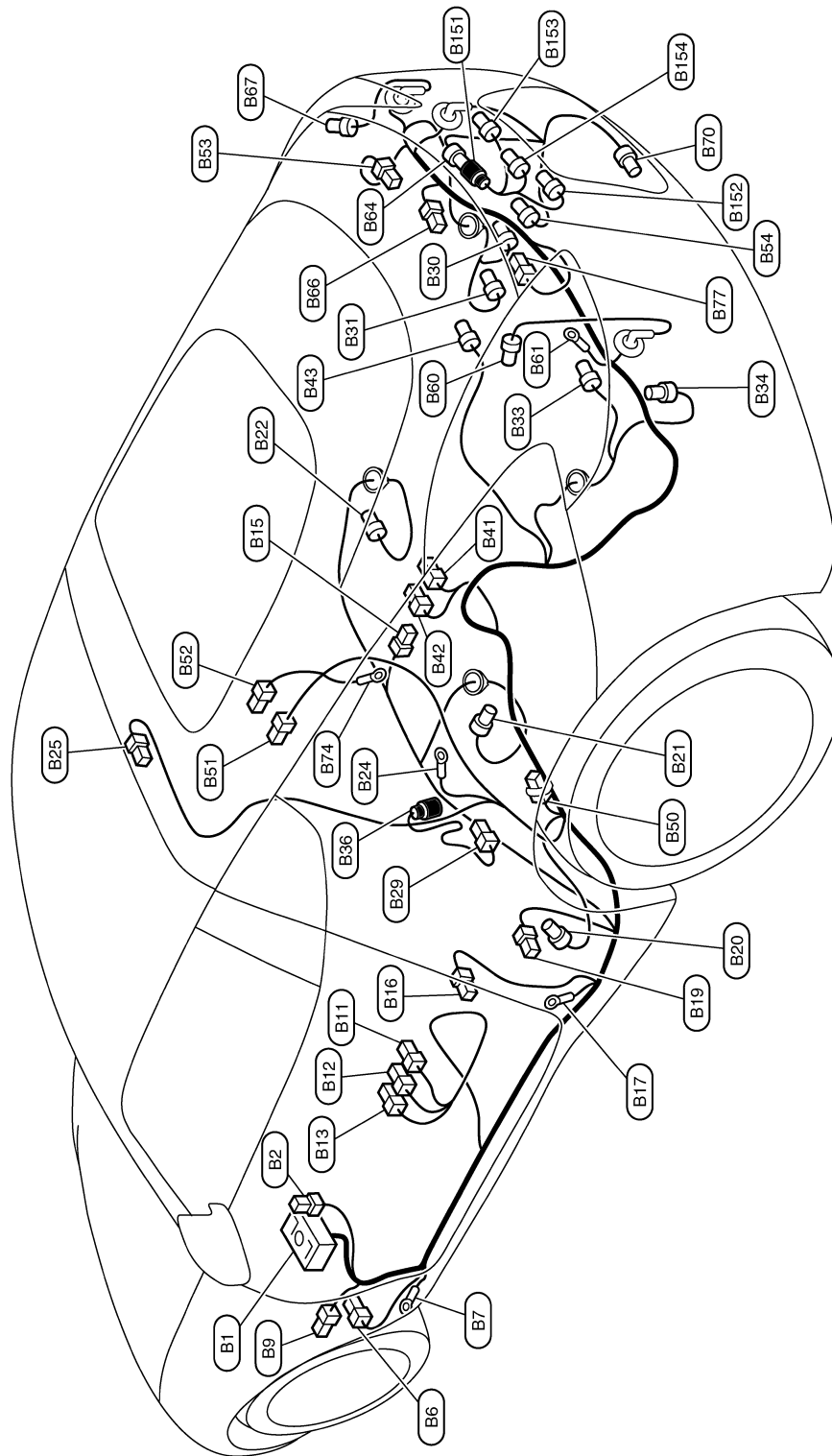
< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## Body Harness

INFOID:000000004490957

BODY HARNESS



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2008/09/12

JCMIA0475GB

# HARNESS LAYOUT

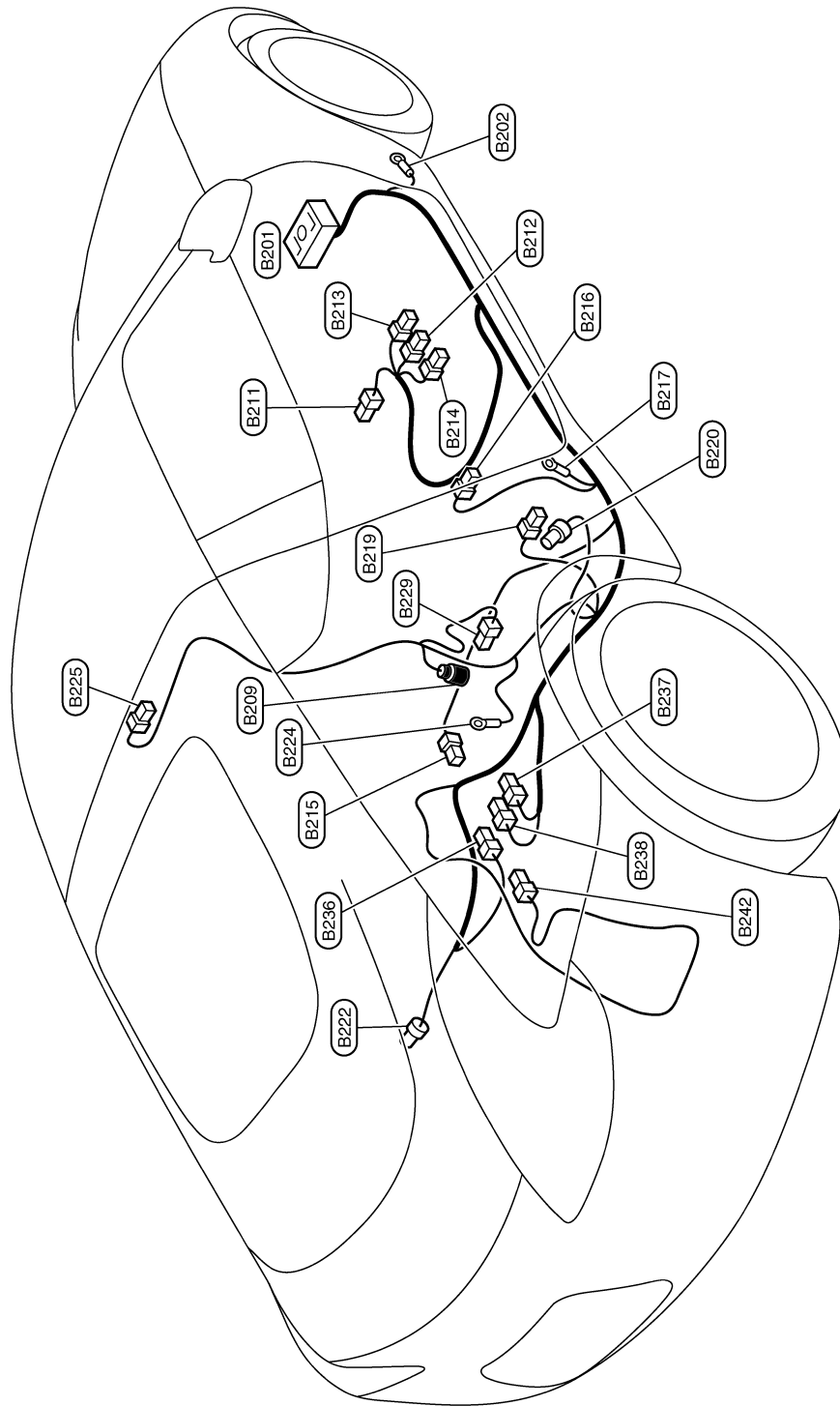
< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

Body No. 2 Harness

INFOID:000000004490958

BODY No. 2 HARNESS



2008/09/12

JCMIA0476GB

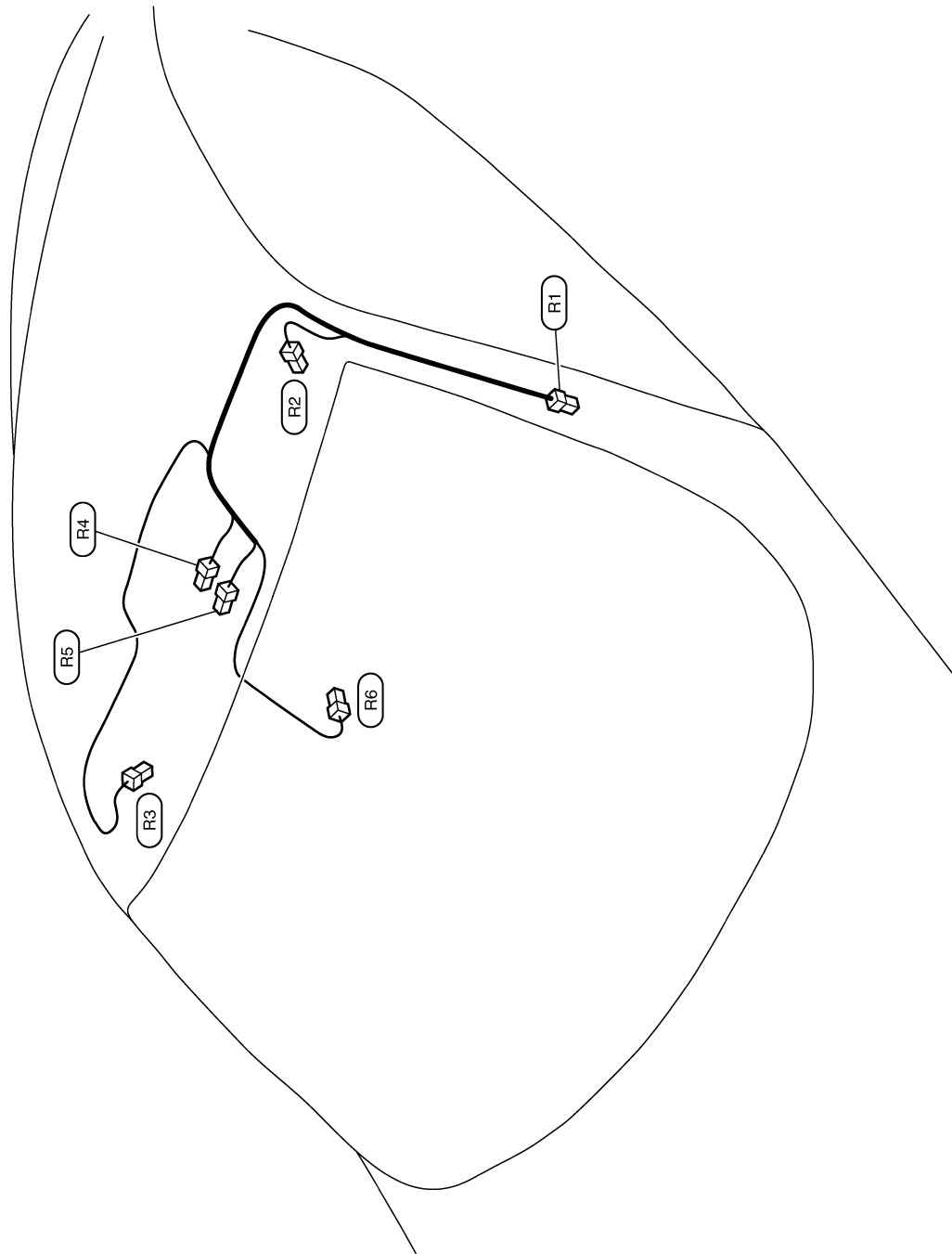
# HARNESS LAYOUT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## Room Lamp Harness

INFOID:000000004490959



ROOM LAMP HARNESS

A  
B  
C  
D  
E  
F  
G  
H  
I  
J  
K  
L  
PG  
N  
O  
P

2008/09/12

JCMIA0477GB

# HARNESS LAYOUT

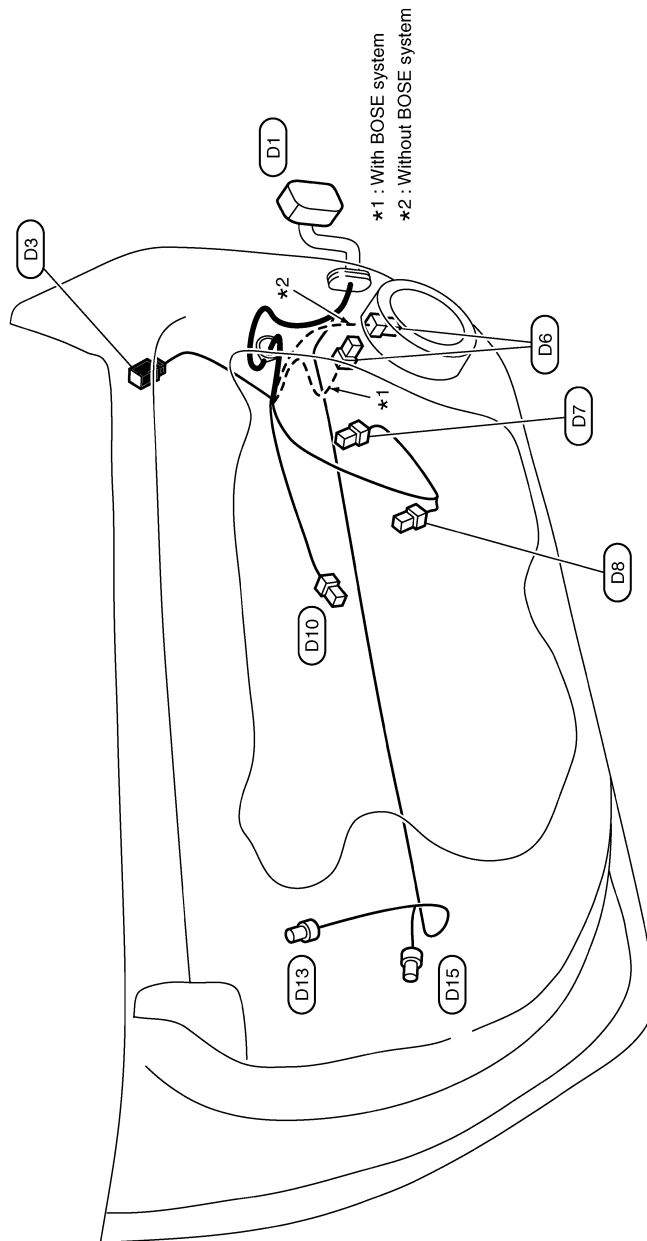
< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## Door Harness (Driver Side Door)

INFOID:000000004490960

DOOR HARNESS (DRIVER SIDE DOOR)



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# HARNESS LAYOUT

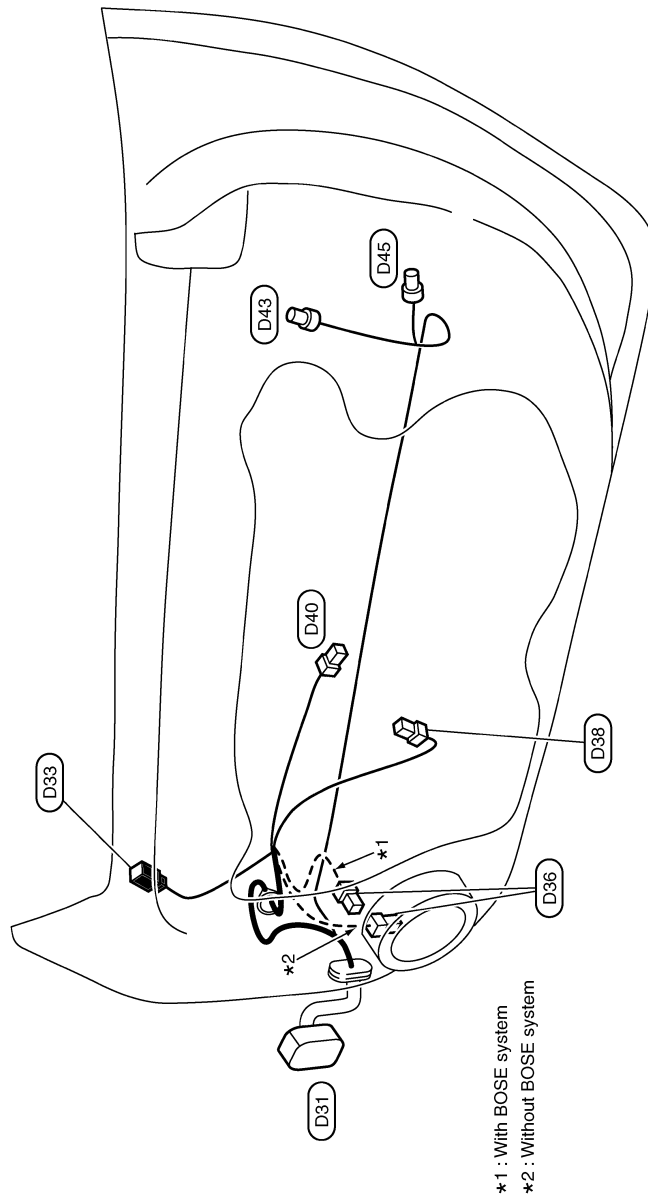
< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## Door Harness (Passenger Side Door)

INFOID:000000004490961

DOOR HARNESS (PASSENGER SIDE DOOR)



2008/09/12  
JCMIA0479GB

A  
B  
C  
D  
E  
F  
G  
H  
I  
J  
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L  
PG  
N  
O  
P

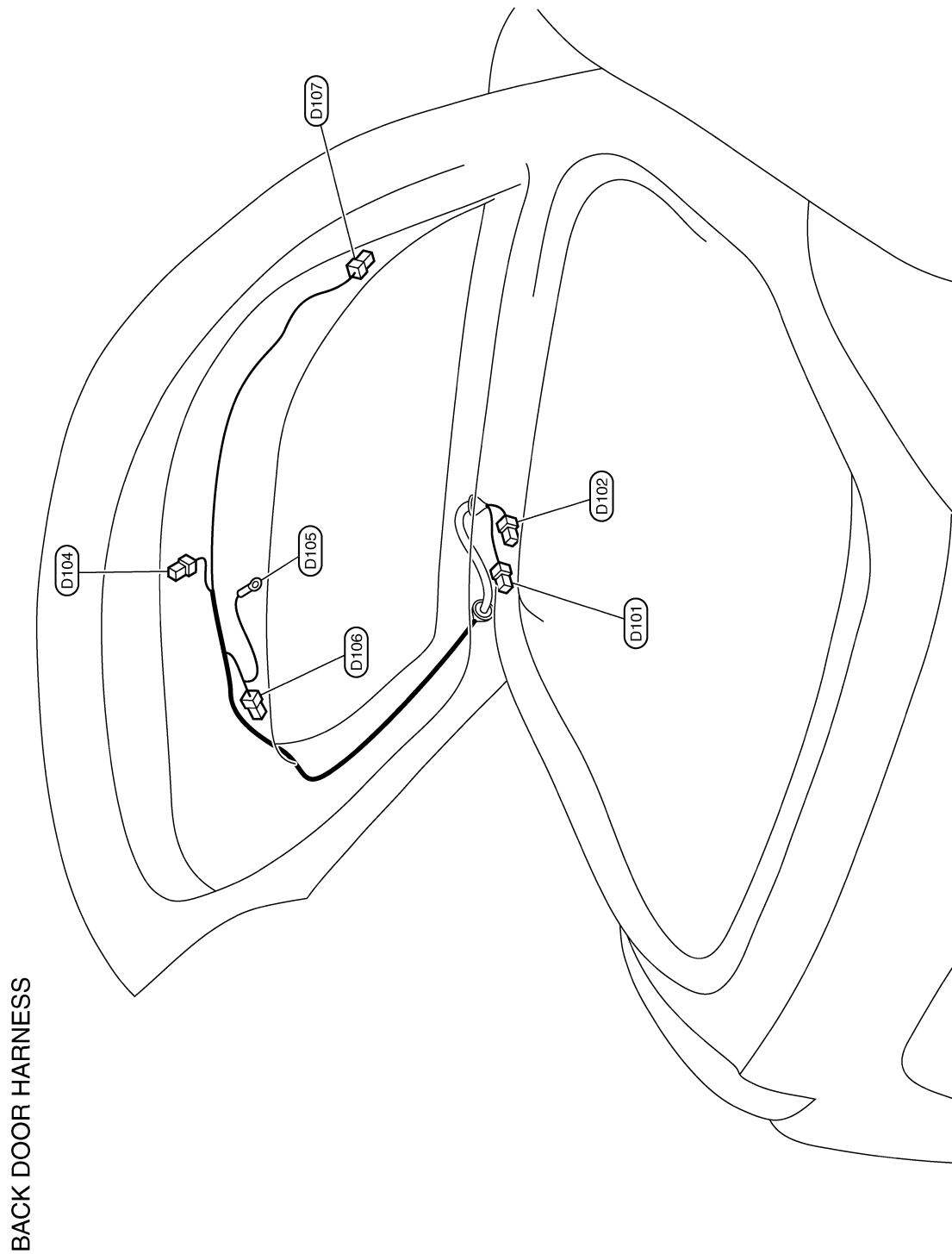
# HARNESS LAYOUT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## Back Door Harness

INFOID:000000004695132



2008/09/12

JCMIA0480GB

## HARNESS CONNECTOR

### Description

INFOID:000000004490908

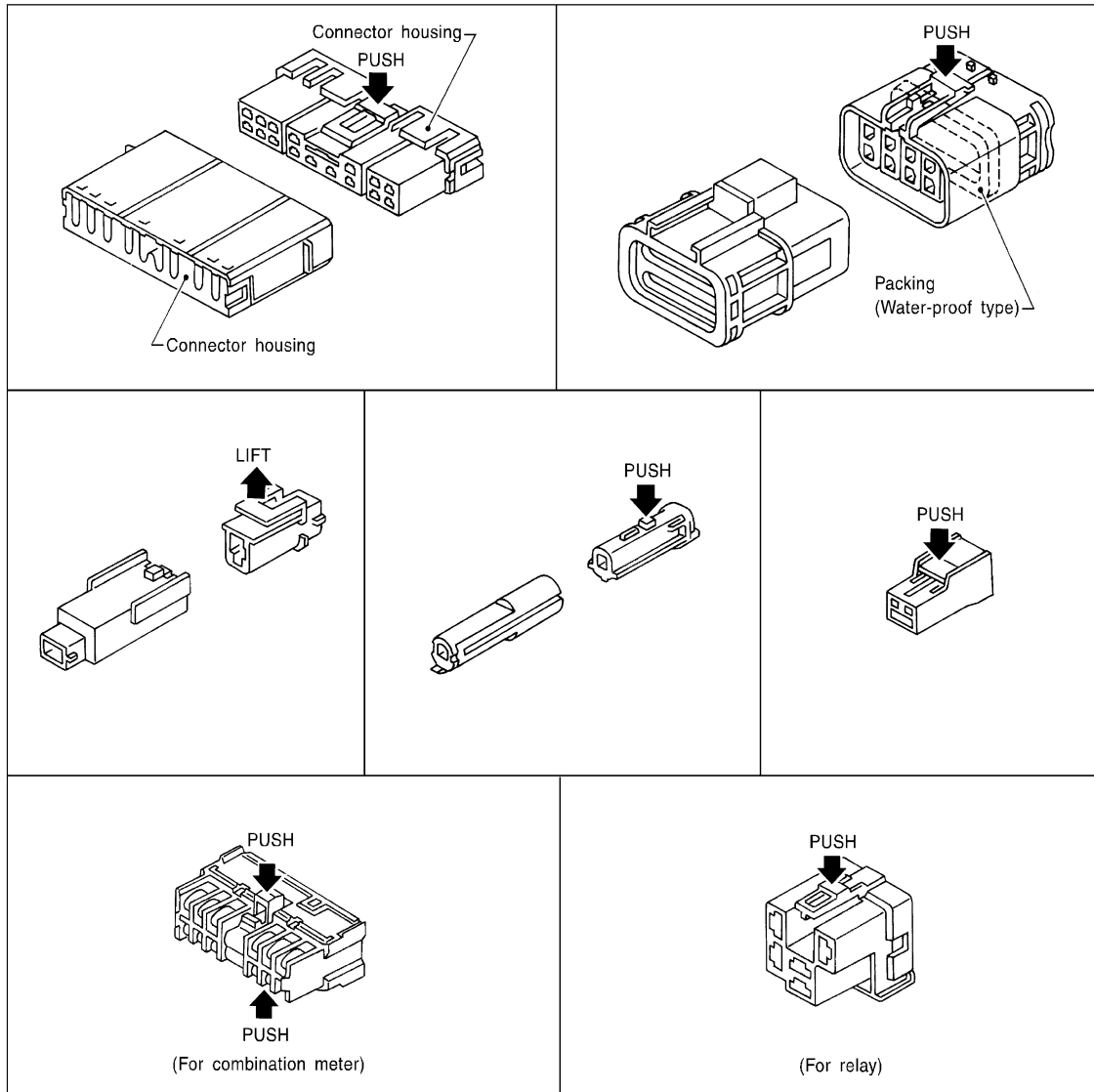
#### HARNESS CONNECTOR (TAB-LOCKING TYPE)

- 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 figure below.

#### **CAUTION:**

**Never pull the harness or wires when disconnecting the connector.**

[Example]



SEL769DA

#### HARNESS CONNECTOR (SLIDE-LOCKING TYPE)

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

# HARNESS CONNECTOR

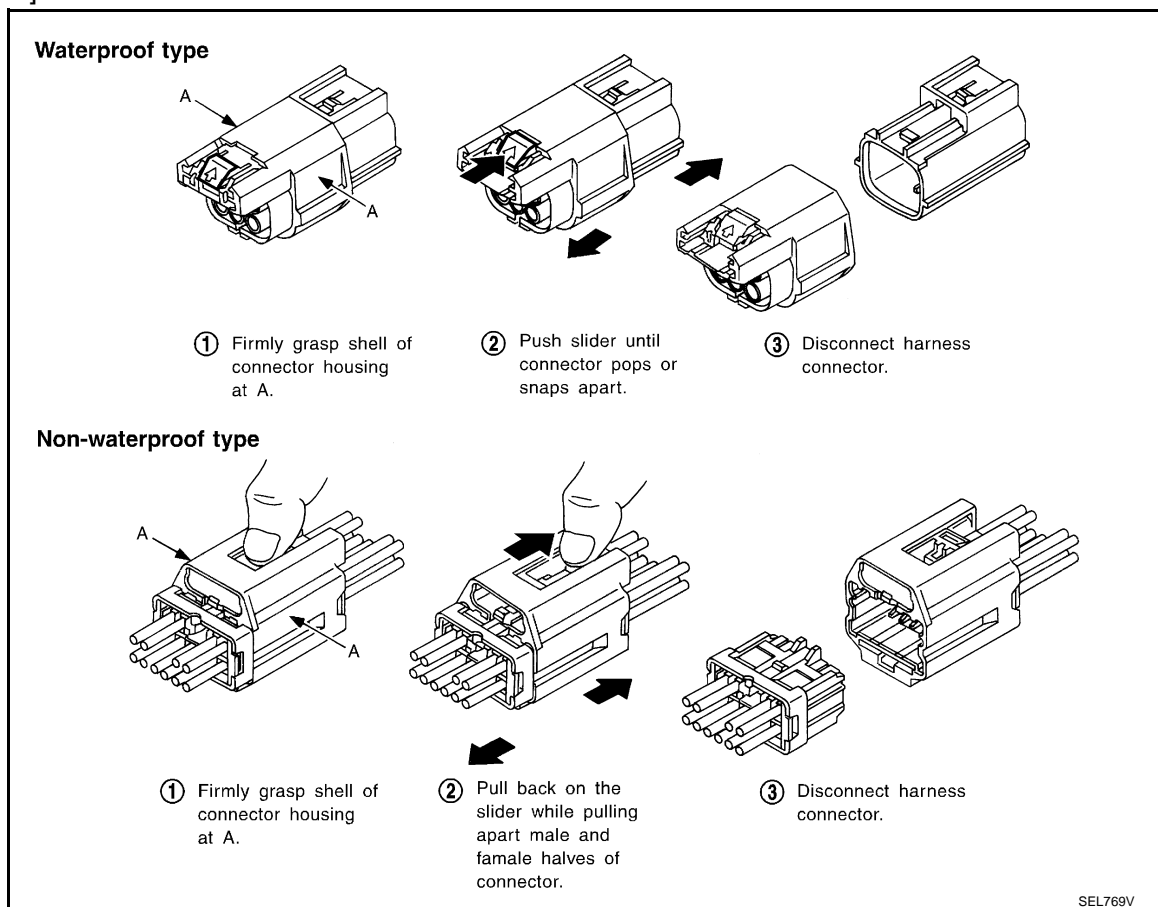
< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## CAUTION:

- Never pull the harness or wires when disconnecting the connector.
- Be careful not to damage the connector support bracket when disconnecting the connector.

[Example]



## HARNESS CONNECTOR (LEVER LOCKING TYPE)

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

## CAUTION:

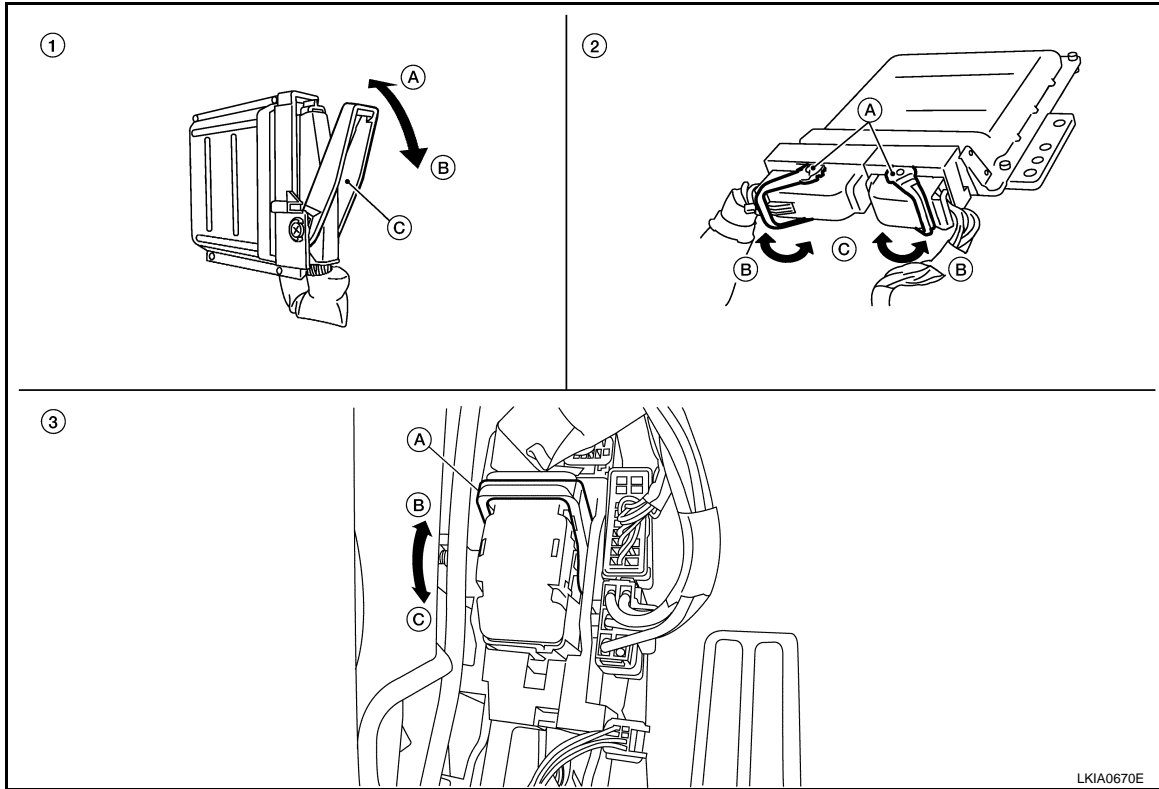


# HARNESS CONNECTOR

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

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



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

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

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

LKIA0670E

A  
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L  
N  
O  
P

PG

# STANDARDIZED RELAY

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

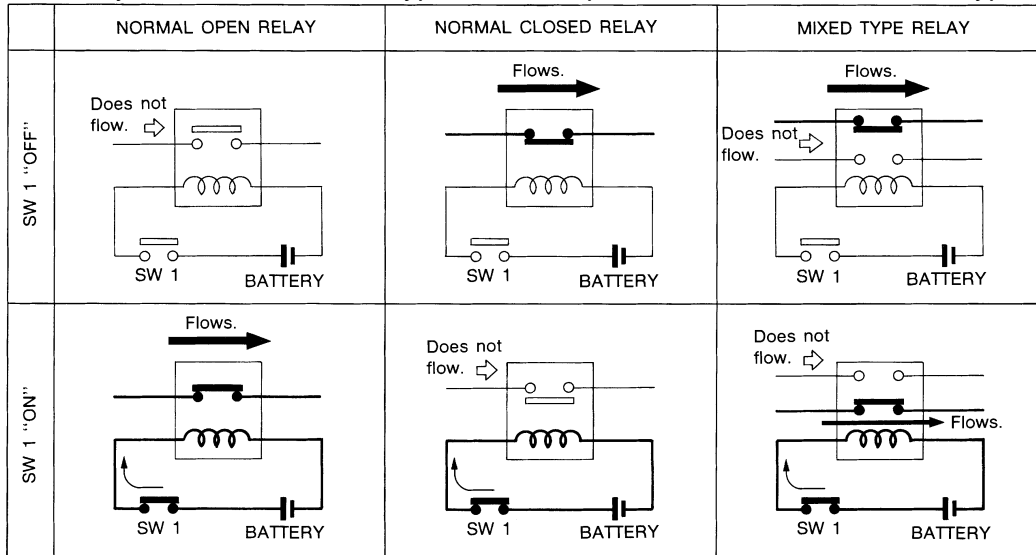
## STANDARDIZED RELAY

### Description

INFOID:000000004490909

### 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

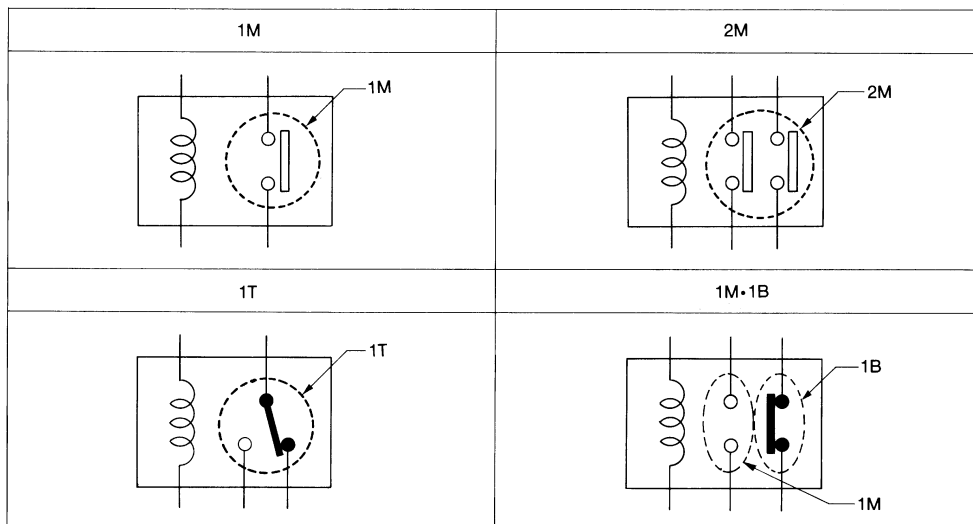
### TYPE OF STANDARDIZED RELAYS

1M ..... 1 Make

2M ..... 2 Make

1T ..... 1 Transfer

1M-1B ..... 1 Make 1 Break

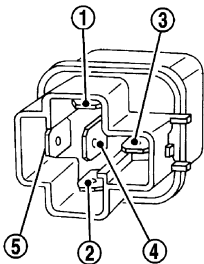
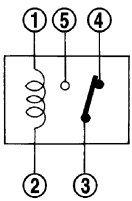
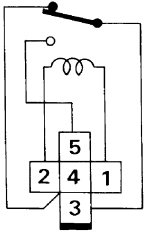
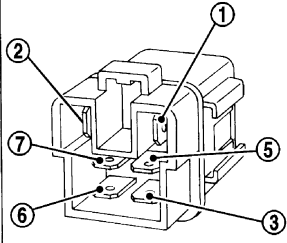
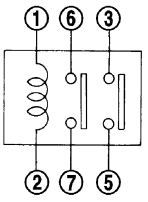
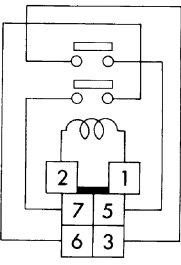
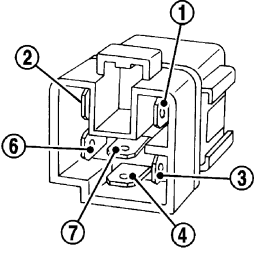
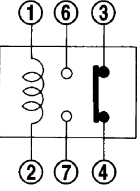
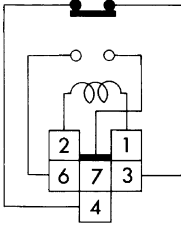
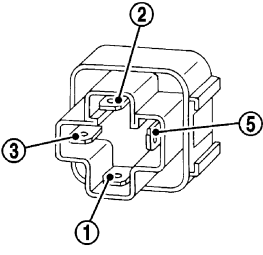
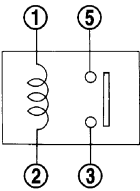
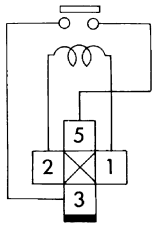
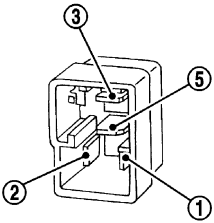
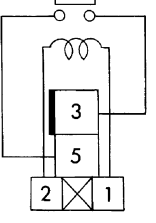


SEL882H

STANDARDIZED RELAY

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

Type	Outer view	Circuit	Connector symbol and connection	Case color
1T				BLACK
2M				BROWN
1M•1B				GRAY
1M				BLUE
				

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

SEL188V

# FUSE BLOCK - JUNCTION BOX (J/B)

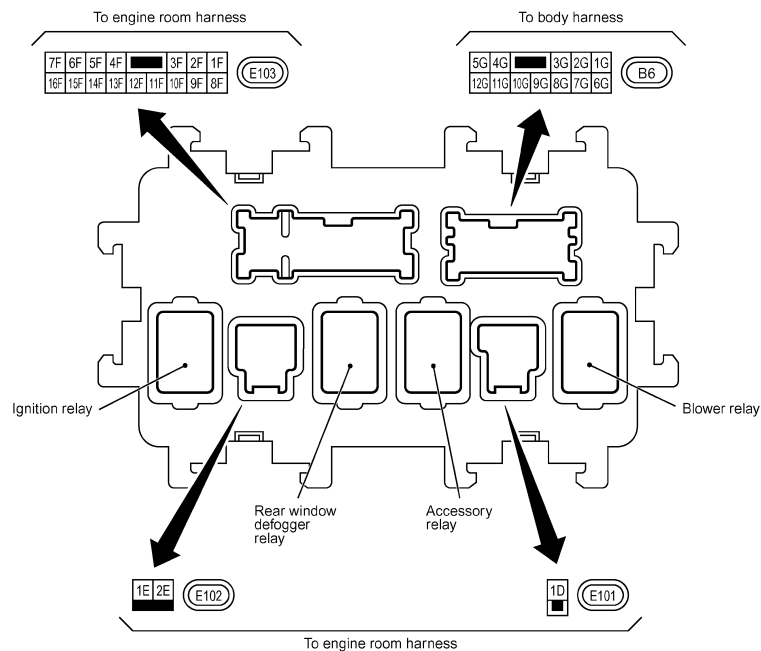
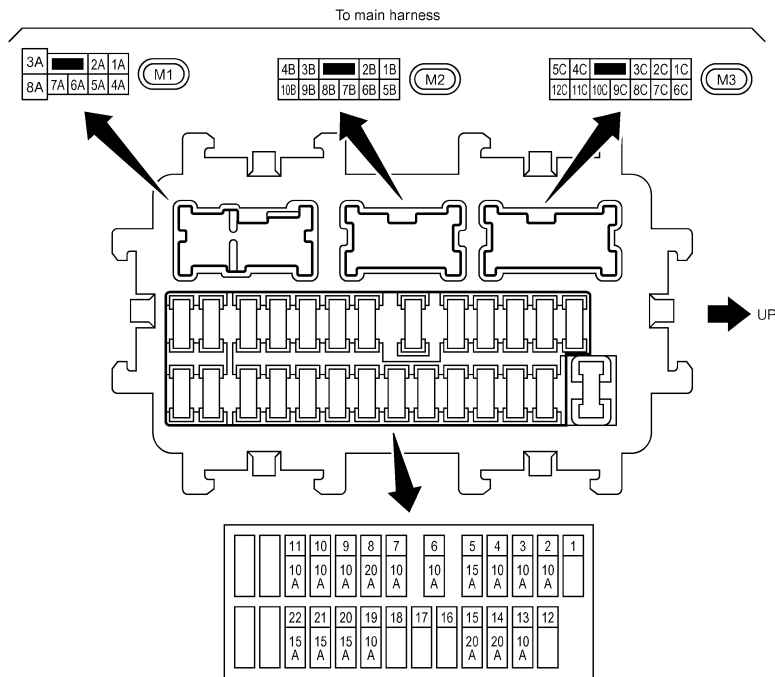
< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## FUSE BLOCK - JUNCTION BOX (J/B)

### Fuse, Connector and Terminal Arrangement

INFOID:000000004490910



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FUSE, FUSIBLE LINK AND RELAY BOX

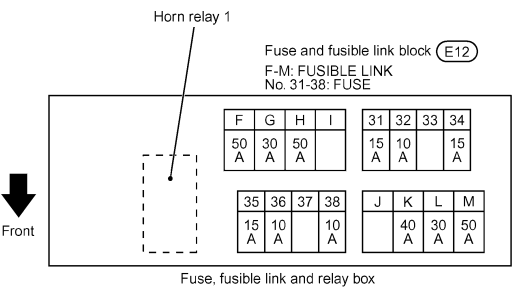
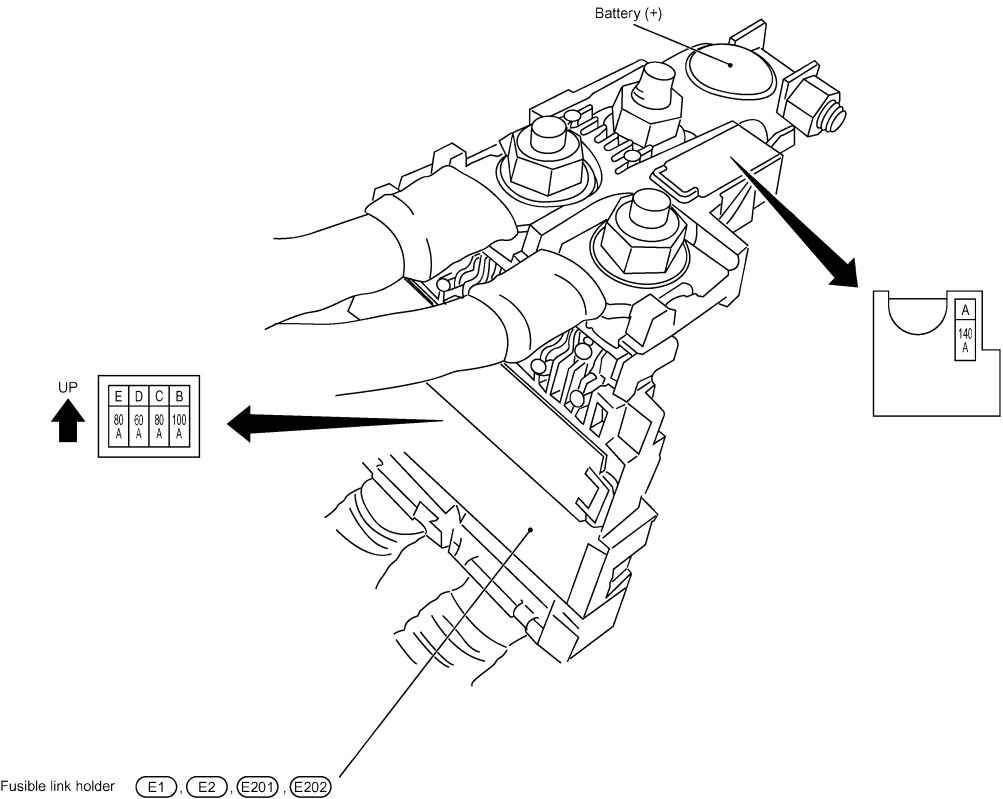
< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

FUSE, FUSIBLE LINK AND RELAY BOX

Fuse and Fusible Link Arrangement

INFOID:000000004490911



2008/09/12

JCMWA3315GE

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

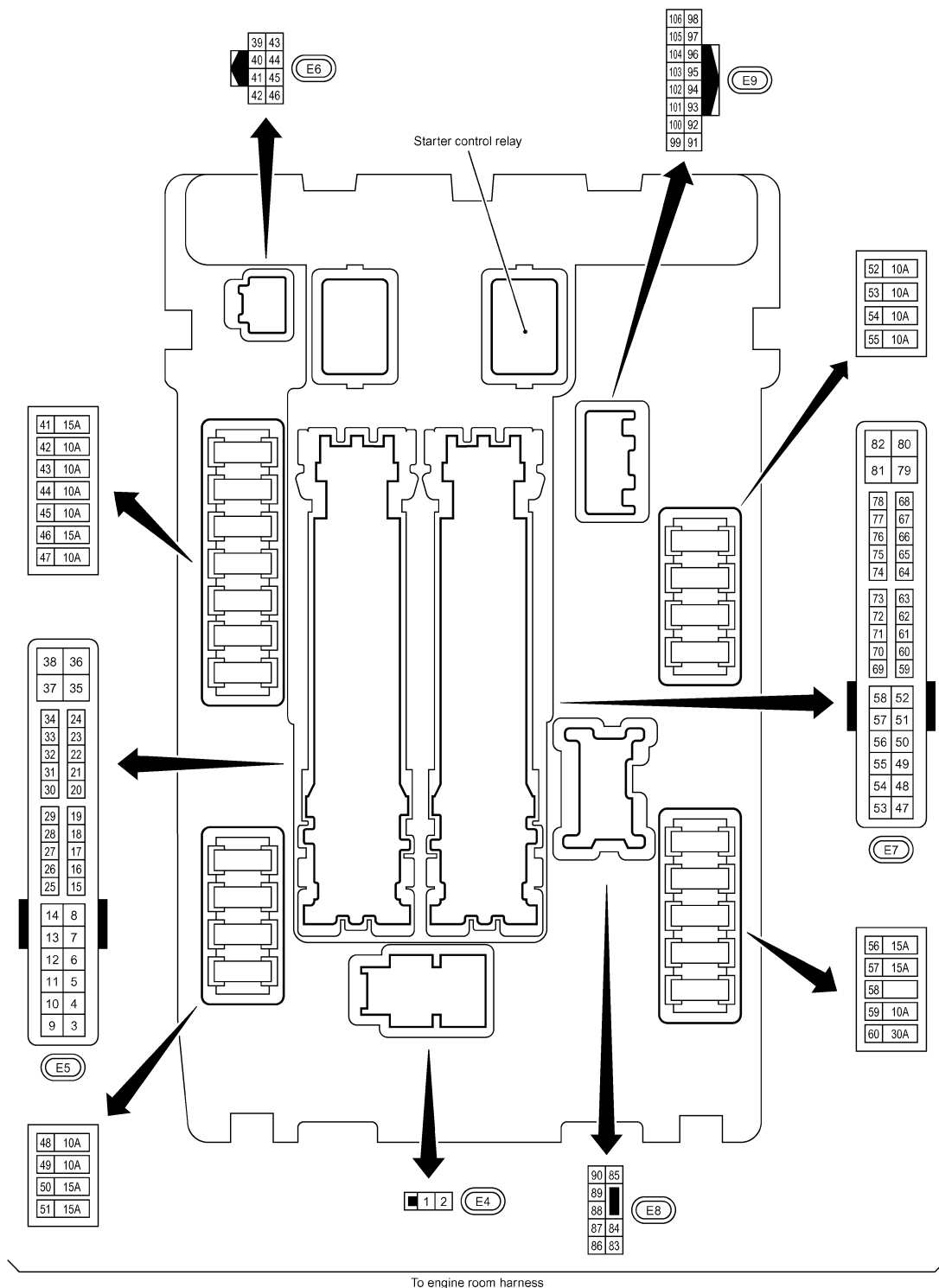
< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

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

### Fuse, Connector and Terminal Arrangement

INFOID:000000004490912



2008/09/12

JCMWA3316Gf

## PRECAUTION

### PRECAUTIONS

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

INFOID:000000004694617

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

#### **WARNING:**

- To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision which would result in air bag inflation, all maintenance must be performed by an authorized NISSAN/INFINITI dealer.
- Improper maintenance, including incorrect removal and installation of the SRS, can lead to personal injury caused by unintentional activation of the system. For removal of Spiral Cable and Air Bag Module, see the "SRS AIRBAG".
- Never use electrical test equipment on any circuit related to the SRS unless instructed to in this Service Manual. SRS wiring harnesses can be identified by yellow and/or orange harnesses or harness connectors.

#### PRECAUTIONS WHEN USING POWER TOOLS (AIR OR ELECTRIC) AND HAMMERS

When working near the Airbag Diagnosis Sensor Unit or other Airbag System sensors while ignition switch is ON or engine is running, never use air or electric power tools or strike near the sensor(s) with a hammer. Heavy vibration may activate the sensor(s), deploy the airbag(s), possibly cause serious injury. When using air or electric power tools or hammers, always turn OFF ignition switch, disconnect the battery, and wait 3 minutes or more before performing any service.

#### Precaution for Battery Service

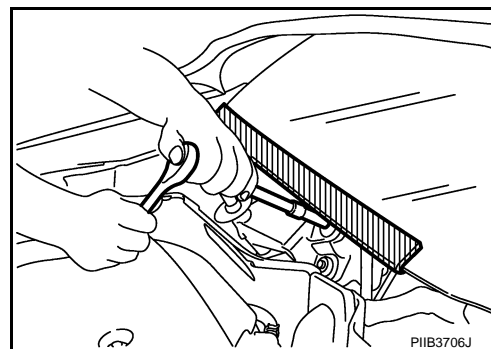
INFOID:000000004694619

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.

#### Precaution for Procedure without Cowl Top Cover

INFOID:000000004694618

When performing the procedure after removing cowl top cover, cover the lower end of windshield with urethane, etc.



PIIB3706J

## PREPARATION

< PREPARATION >

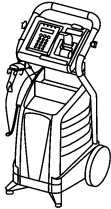
[POWER SUPPLY&GROUND CIRCUIT]

## PREPARATION

### PREPARATION

#### Special Service Tools

INFOID:000000004490915

Tool number (Kent-Moore No.) Tool name	Description
<p>— (J-48087) Battery Service Center</p>  <p>WK1A5280E</p>	<p>Tests battery. For operating instructions, refer to Technical Service Bulletin and Battery Service Center User Guide.</p>



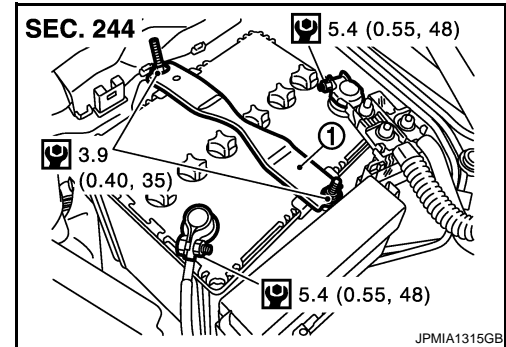
## ON-VEHICLE REPAIR

### BATTERY

#### Exploded View

1 : Battery fix frame

Refer to [GI-4, "Components"](#) for symbols in the figure.



#### Removal and Installation

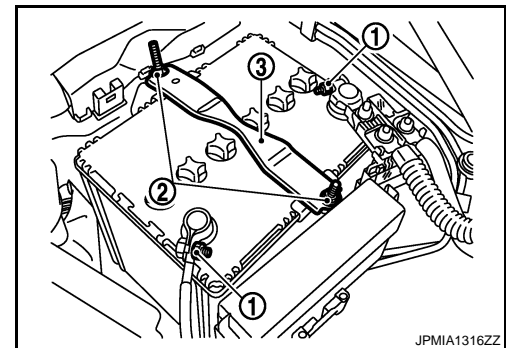
##### REMOVAL

1. Remove battery cover.
2. Remove cowl top cover RH. Refer to [EXT-20, "Exploded View"](#).
3. Remove cover of battery positive terminal.
4. Loosen battery terminal nuts (1), and disconnect both battery cables from battery terminals.

##### **CAUTION:**

**When disconnecting, disconnect the battery cable from the negative terminal first.**

5. Remove battery fix frame mounting nuts (2) and battery fix frame (3).
6. Remove battery.



##### INSTALLATION

Install in the reverse order of removal.

##### **CAUTION:**

**When connecting, connect the battery cable to the positive terminal first.**

Reset electronic systems as necessary. Refer to [GI-52, "ADDITIONAL SERVICE WHEN REMOVING BATTERY NEGATIVE TERMINAL : Required Procedure After Battery Disconnection"](#).

# BATTERY TERMINAL WITH FUSIBLE LINK

< ON-VEHICLE REPAIR >

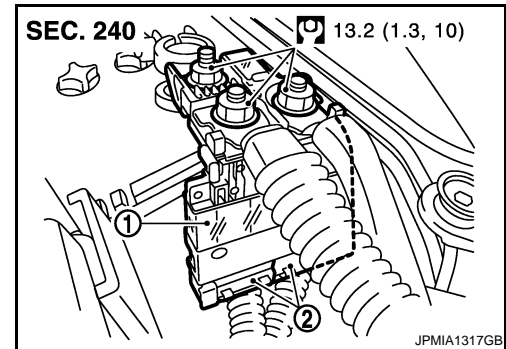
[POWER SUPPLY&GROUND CIRCUIT]

## BATTERY TERMINAL WITH FUSIBLE LINK

### Exploded View

INFOID:000000004496633

- 1 : Battery terminal with fusible link  
2 : Harness connector  
Refer to [GI-4, "Components"](#) for symbols in the figure.

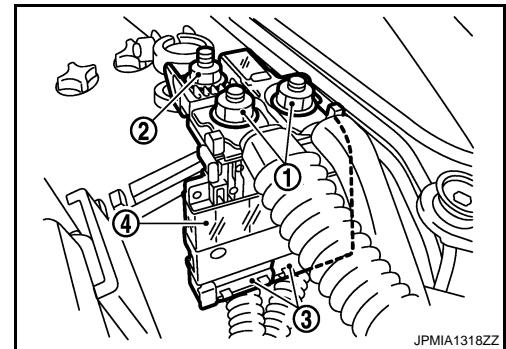


### Removal and Installation

INFOID:000000004496634

#### REMOVAL

1. Remove battery cover.
2. Disconnect the battery cable from the negative terminal.
3. Remove cover of battery positive terminal.
4. Remove harness mounting nuts (1) and fusible link holder mounting nut (2).
5. Disconnect harness connector (3) and remove battery terminal with fusible link (4).



#### INSTALLATION

Install in the reverse order of removal.

SERVICE DATA AND SPECIFICATIONS (SDS)

< SERVICE DATA AND SPECIFICATIONS (SDS)

[POWER SUPPLY&GROUND CIRCUIT]

SERVICE DATA AND SPECIFICATIONS (SDS)

SERVICE DATA AND SPECIFICATIONS (SDS)

Battery

INFOID:0000000004496639

Type		80D23L
20 hour rate capacity	[V – Ah]	12 – 62
Cold cranking current (For reference value)	[A]	582

A  
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