

SECTION **PG**

**POWER SUPPLY, GROUND & CIRCUIT ELEMENTS**

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## BASIC INSPECTION

### BATTERY

#### How to Handle Battery

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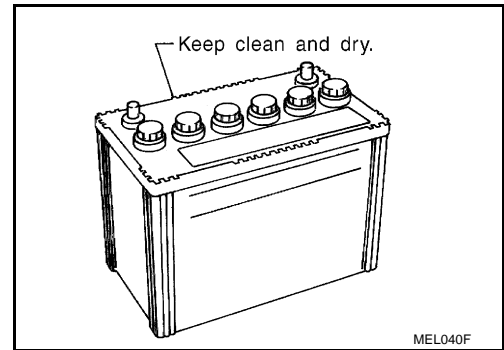
**CAUTION:**

- 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.

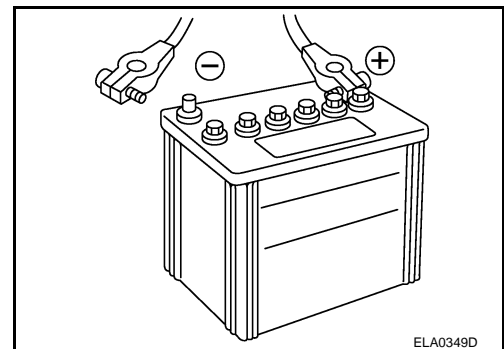
#### METHODS OF PREVENTING OVER-DISCHARGE

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

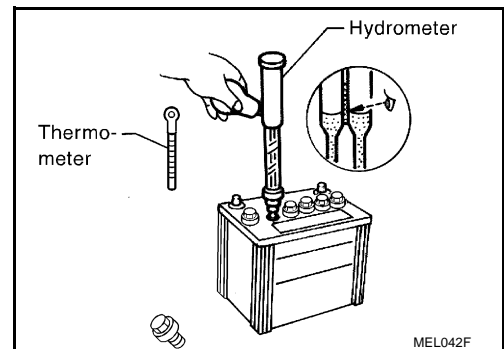
- The battery surface (particularly its top) should always be kept clean and dry.
- The terminal connections should be clean and tight.
- At every routine maintenance, check the electrolyte level. This also applies to batteries designated as "low maintenance" and "maintenance-free".



- 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.

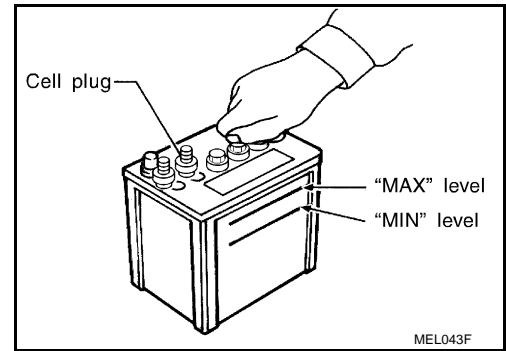
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# BATTERY

## [POWER SUPPLY & GROUND CIRCUIT]

### < BASIC INSPECTION >

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

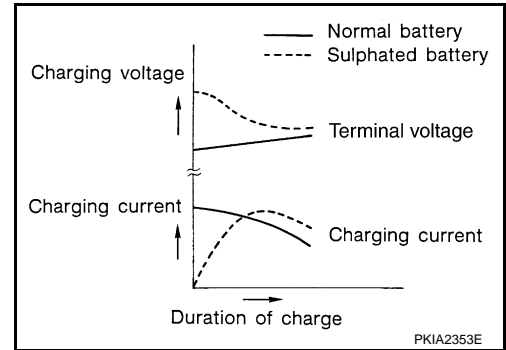


### Sulphation

**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.**

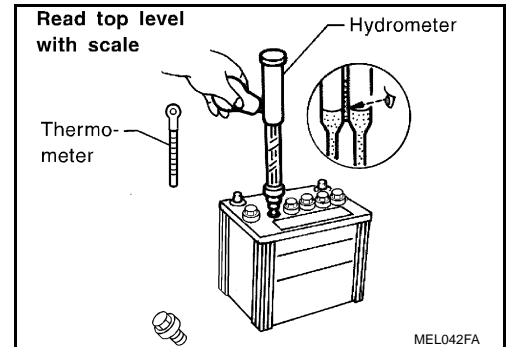
**To determine if a battery has been “sulphated”, note its voltage and current when charging it. As shown in the figure, less current and higher voltage are observed in the initial stage of charging sulphated batteries.**

**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.

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

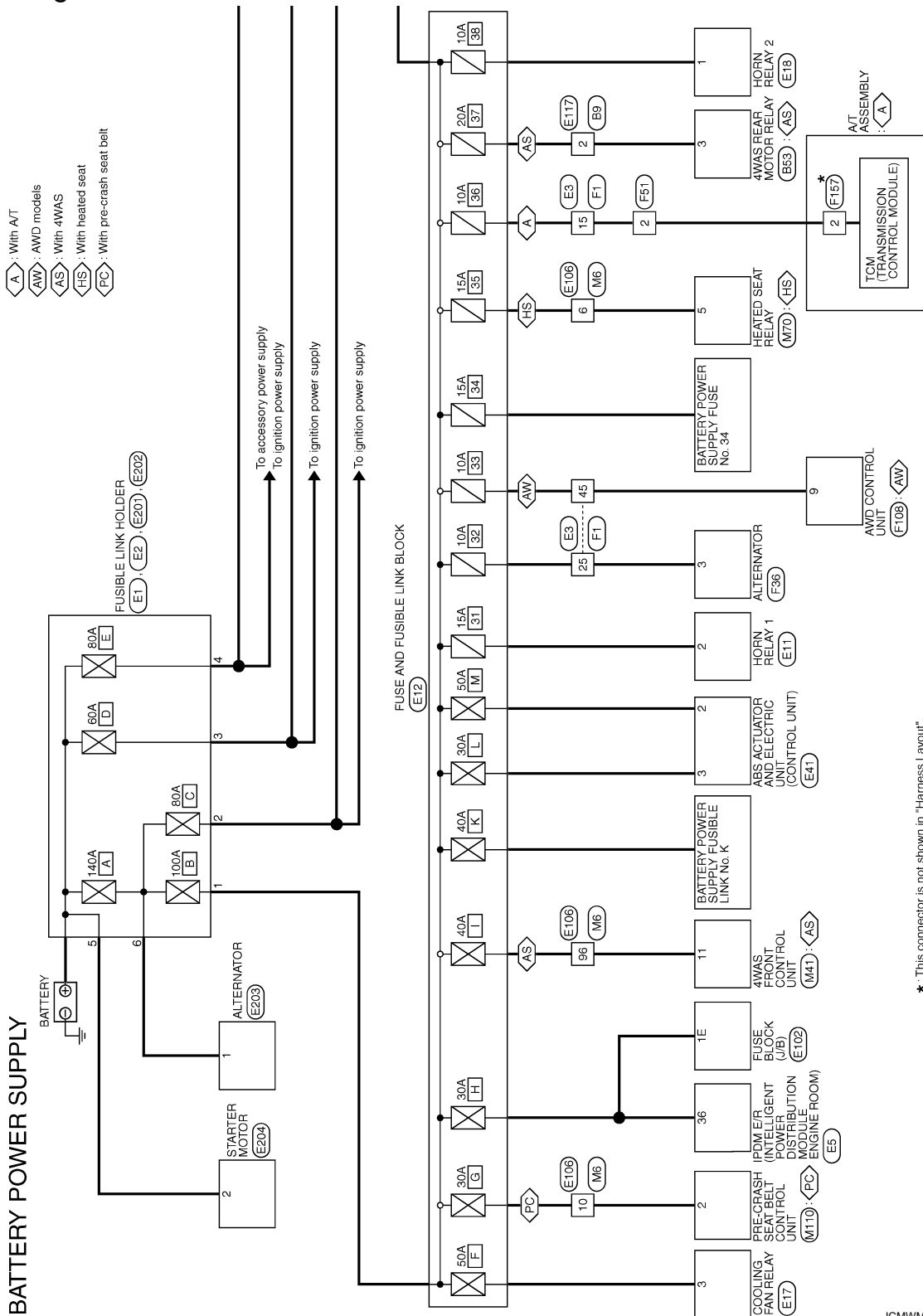
[POWER SUPPLY & GROUND CIRCUIT]

## DTC/CIRCUIT DIAGNOSIS

### POWER SUPPLY ROUTING CIRCUIT

#### Wiring Diagram - BATTERY POWER SUPPLY -

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- A** : With A/T
- AW** : AWD models
- AS** : With 4WAS
- HS** : With heated seat
- PC** : With pre-crash seat belt

FUSIBLE LINK HOLDER  
(E1) (E2) (E201) (E202)

FUSE AND FUSIBLE LINK BLOCK  
(E12)

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

2009/11/05

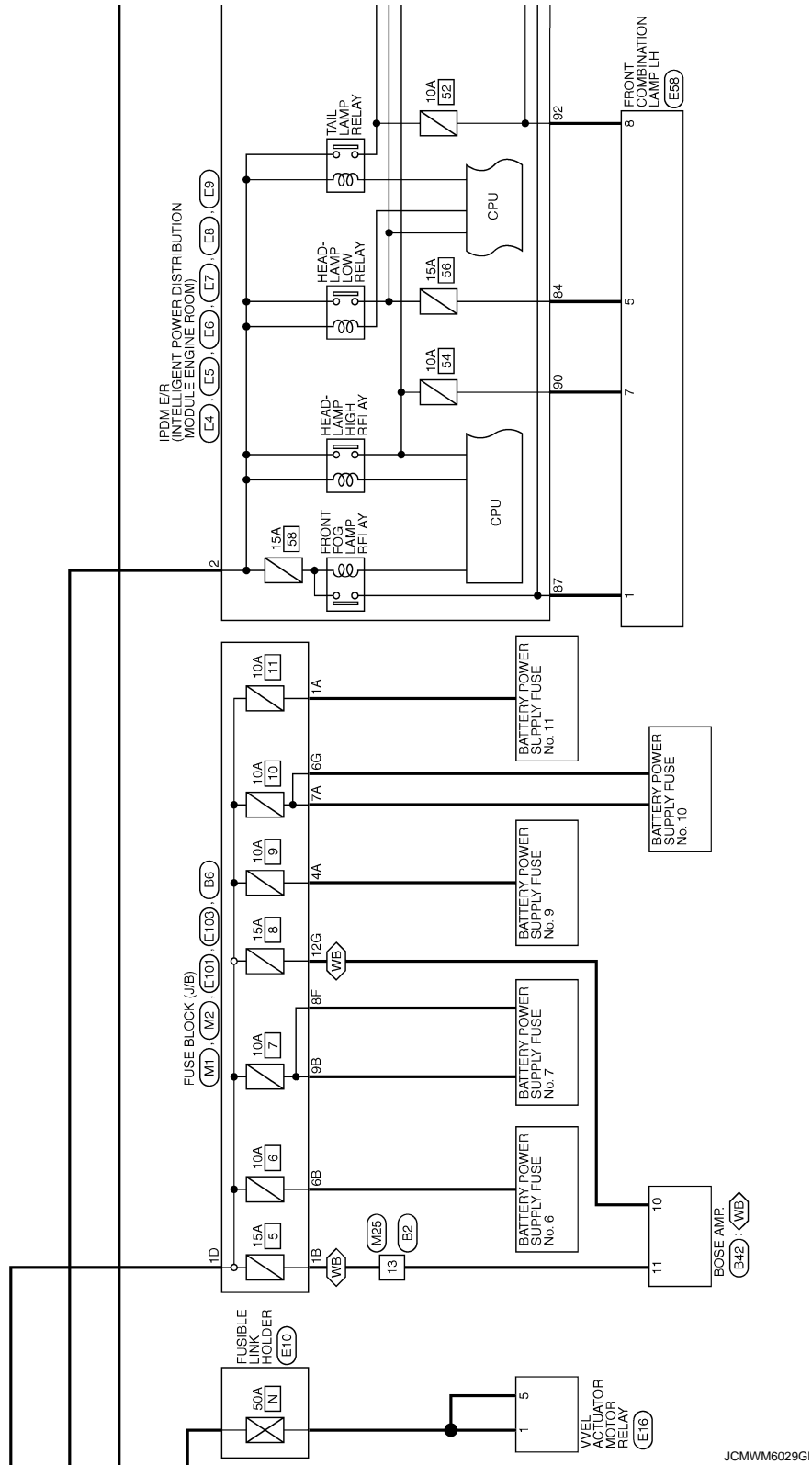
JCMWM6028G

# POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

◀WB▶ : With BOSE system



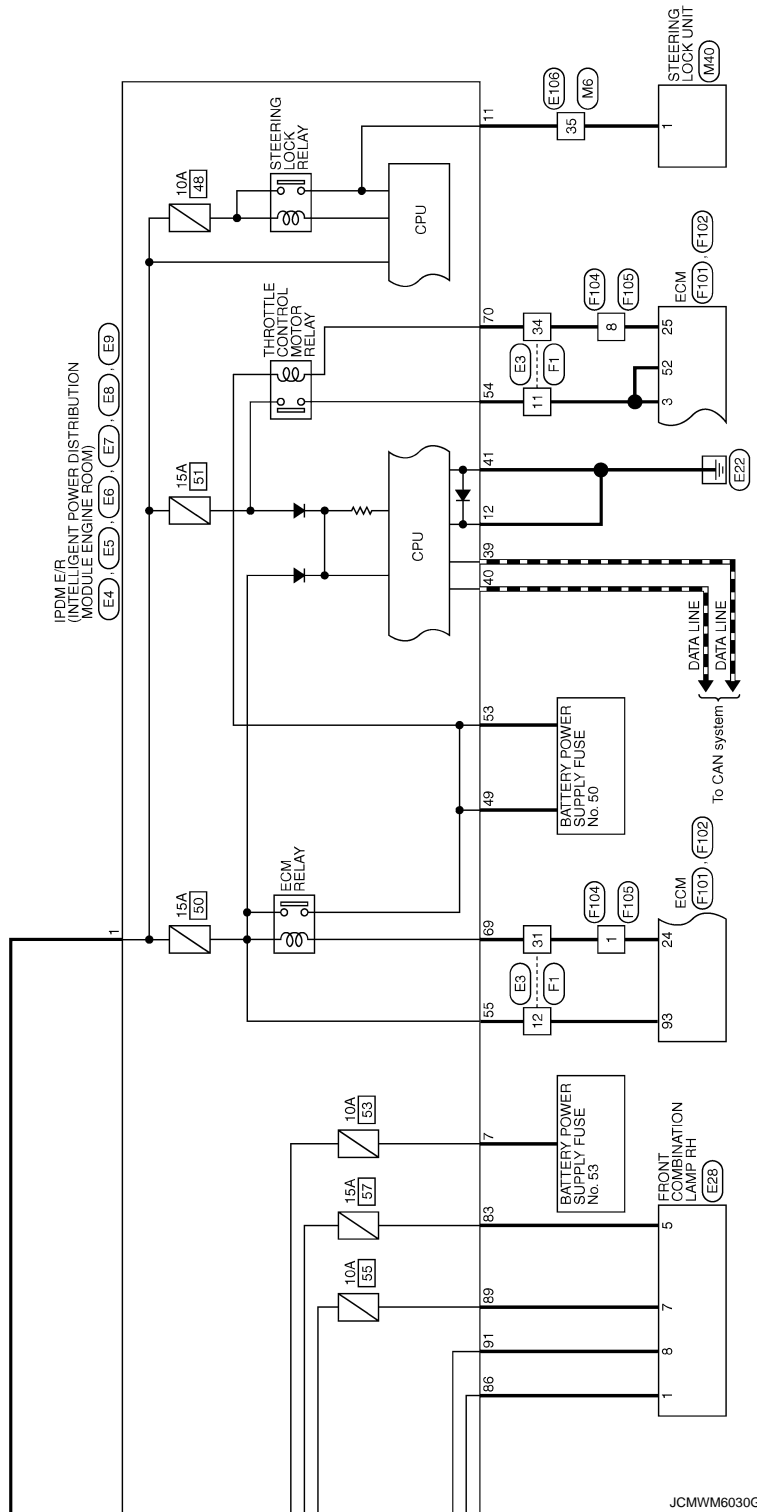
JCMWM6029G1

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# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]



JCMWM6030G



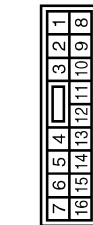
# POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

## BATTERY POWER SUPPLY

Connector No.	B2
Connector Name	WIRE TO WIRE
Connector Type	MS16FN-CS



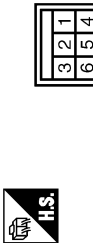
Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	W	-
3	V	-
4	LG	-
5	I	-
6	BG	-
7	B	-
12	Y	-
13	GR	-
14	R	-
15	G	-
16	W	-

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



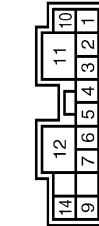
Terminal No.	Color of Wire	Signal Name [Specification]
4G	R	-
5G	LG	-
6G	G	-
10G	W	-
11G	W	-
12G	Y	-

Connector No.	B9
Connector Name	WIRE TO WIRE
Connector Type	MS6FN-LC



Terminal No.	Color of Wire	Signal Name [Specification]
2	R	-
3	GR	-
4	LG	-
5	BR	-
6	BG	-

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



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	SOUND SIGNAL FRONT LH (+)
2	W	SOUND SIGNAL FRONT LH (-)
3	LG	SOUND SIGNAL FRONT RH (+)
4	V	SOUND SIGNAL FRONT RH (-)
5	G	SOUND SIGNAL DOOR WOOFER RH (+)
6	R	SOUND SIGNAL DOOR WOOFER RH (-)
7	B	GND
9	W	SOUND SIGNAL DOOR WOOFER LH (-)
10	Y	BATTERY
11	GR	BATTERY
12	B	GND
14	B	SOUND SIGNAL DOOR WOOFER LH (+)

Connector No.	B53
Connector Name	4WAS REAR MOTOR RELAY
Connector Type	MS22FL-M2



Terminal No.	Color of Wire	Signal Name [Specification]
1	SB	-
2	B	-
3	R	-
5	L	-

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



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

Connector No.	E2
Connector Name	FUSIBLE LINK HOLDER
Connector Type	LO2FY-MC



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

3	L	-
4	R	-

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# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BATTERY POWER SUPPLY

Connector No.	E3
Wire to Wire	
Connector Name	SA33MB-FSS-SHZ8
Connector Type	

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



Terminal No.	Color of Wire	Signal Name [Specification]
1	L/Y	-
2	SHIELD	-
3	L/B	-
4	SHIELD	-
5	BR	-
6	G	-
7	W	-
8	W	-
9	W	-
10	Y	-
11	P	-
12	SB	-
13	BR	-
14	G	-
15	R	-
16	LG	-
17	P	-
18	Y	-
19	EG	-
20	B	-
21	SB	-
22	L	-
23	L	-
24	G	-
25	V	-
26	GR	-
27	GR	-
28	P	-
29	P	-
30	R	-
31	BR	-
32	Y	-
33	G	-
34	EG	-
37	SHIELD	-
38	L	-
39	P	-
40	R	-
41	W	-
42	LG	-

43	G	-
45	EG	-
46	SHIELD	-
47	W	-
48	BR	-
49	G	-
50	B	-
51	SB	-
52	R	-

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

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

Connector No.	E5
Connector Name	IPM E/R INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	TH2DFW-CS12-M4-1V

9	10	11	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



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

26	R	-
27	LG	-
28	L	-
30	CR	-
32	V	-
33	G	-
38	P	-

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

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Terminal No.	Color of Wire	Signal Name [Specification]
39	P	-
40	L	-
41	B/W	-
42	Y	-
43	SB	-
44	LG	-
45	G	-
46	W	-

Connector No.	E7
Connector Name	IPM E/R INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	TH2DFW-CS12-M4

53	54	55	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



Terminal No.	Color of Wire	Signal Name [Specification]
48	BR	-
49	EG	-
51	Y	-
53	W	-
54	P	-

55	SB	-
56	LG	-
57	G	-
58	CR	-
59	BR	-
60	EG	-
73	P	-
74	G	-
75	SB	-
76	Y	-
77	R	-
80	W	-

Connector No.	E8
Connector Name	IPM E/R INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	INS08FW-CS



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Terminal No.	Color of Wire	Signal Name [Specification]
83	R	-
84	P	-
86	W	-
87	L	-
88	G	-
89	BR	-
90	LG	-

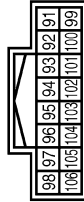
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BATTERY POWER SUPPLY

Connector No.	E9
Connector Name	SWAYLE INTELLIGENT POWER DISTRIBUTION MODULE
Connector Type	TH16FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
91	P	-
92	BG	-
97	V	-
104	LG	-

Connector No.	E11
Connector Name	HORN RELAY 1
Connector Type	24381 7960A



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
2	SB	-
3	Y	-

Connector No.	E16
Connector Name	VVEL ACTUATOR MOTOR RELAY
Connector Type	24347 9F900



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	Y	-
3	W	-
5	R	-

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



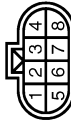
Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	G	-
3	Y	-
5	R	-

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



Terminal No.	Color of Wire	Signal Name [Specification]
1	P	-
2	Y	-
3	G	-

Connector No.	E28
Connector Name	FRONT COMBINATION LAMP RH
Connector Type	RS08FB-PR



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
3	B	-
4	B/W	-
5	R	-
6	LG	-
7	BR	-
8	P	-

Connector No.	E41
Connector Name	ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT)
Connector Type	BAA4ZF8-AH24-LH



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	GND
2	L	UEMR
3	R	UEVR
4	B	GND
5	Y	DS FL
6	BG	DP RL
7	BR	DP RR
9	B	DP FR
10	W	DS FR
11	V	DIAG-K
14	P	CAN-L
25	Y	BUIS-L
26	LG	DP FL
27	GR	DS RL
28	G	UZ

29	P	DS RR
30	SB	BLS
31	R	ESP OFF SWITCH
35	L	CAN-H
45	B	BUS-H

Connector No.	E58
Connector Name	FRONT COMBINATION LAMP LH
Connector Type	RS08FB-PR



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
3	B	-
4	B/W	-
5	P	-
6	GR	-
7	LG	-
8	BG	-

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



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

A  
B  
C  
D  
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F  
G  
H  
I  
J  
K  
L  
PG  
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# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BATTERY POWER SUPPLY

Connector No.	E102
Connector Name	FUSE BLOCK (J/B)
Connector Type	M02PB-LC



Terminal No.	1E	Color of Wire	G	Signal Name [Specification]	
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Connector No.	E103
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS16FV-CS



Terminal No.	1F, 2F, 4F, 6F, 8F, 9F	Color of Wire	SB, V, G, BG, L, R	Signal Name [Specification]	
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Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	TH80FV-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	
3	BG	
5	G	
6	BG	
7	LG	
10	W	
11	V	
12	R	
13	L	
14	GR	
15	P	
16	W	
17	V	
18	BG	
19	GR	
20	LG	
30	R	
31	L	
32	BG	
33	P	
34	V	
35	BR	
36	W	
37	Y	
38	R	
39	B	
40	G	
41	W	
42	LG	
43	SB	
44	GR	
45	BG	
46	LG	
47	V	
48	P	
49	L	
59	B	
66	LG	
67	SB	
68	R	
69	W	
70	G	
80	W	
81	P	
82	G	
83	V	
84	L	
85	BG	
86	LG	
87	Y	

88	GR	
89	W	
91	G	
92	GR	
93	Y	
95	V	
97	BR	
98	SHIELD	
99	L	
100	P	

Connector No.	E117
Connector Name	WIRE TO WIRE
Connector Type	M08MW-LC



Terminal No.	2, 3, 4, 5, 6	Color of Wire	L, GR, P, BR, BG	Signal Name [Specification]	
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Connector No.	E201
Connector Name	FUSIBLE LINK HOLDER
Connector Type	24340-7909B



Terminal No.	5	Color of Wire	B/Y	Signal Name [Specification]	
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Connector No.	E202
Connector Name	FUSIBLE LINK HOLDER
Connector Type	24340-7905



Terminal No.	6	Color of Wire	B/GR	Signal Name [Specification]	
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Connector No.	E203
Connector Name	AL-TERMINATOR
Connector Type	24340-89F45



Terminal No.	1	Color of Wire	B/GR	Signal Name [Specification]	
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Connector No.	E204
Connector Name	STARTER MOTOR
Connector Type	24346-51E61



Terminal No.	2	Color of Wire	B/Y	Signal Name [Specification]	
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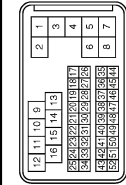
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BATTERY POWER SUPPLY

Connector No.	F1
Connector Name	WIRE TO WIRE
Connector Type	SA33FB-R3S-S1Z3



Terminal No.	Color of Wire	Signal Name [Specification]
1	L/Y	-
2	SHIELD	-
3	L/B	-
4	SHIELD	-
5	BR	-
7	G	-
8	W	-
9	W	-
10	G	-
11	R	-
12	P	-
13	L	-
14	LG	-
15	R	-
16	Y	-
17	W	-
18	LG	-
19	P	-
20	O	-
21	BR	-
22	G	-
23	Y	-
24	LG	-
25	V	-
27	GR	-
28	BR	-
29	L	-
30	R	-
31	P	-
32	W	-
33	SB	-
34	O	-
37	SHIELD	-
38	W	-
39	Y	-
40	G	-
41	B	-
42	GR	-

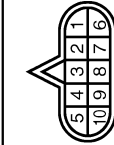
43	R	-
45	O	-
46	SHIELD	-
47	W/L	-
48	LG	-
49	O/L	-
50	L/Y	-
51	W	-
52	L/G	-

Connector No.	F36
Connector Name	ALTERNATOR
Connector Type	HS03FB



Terminal No.	Color of Wire	Signal Name [Specification]
2	G	L
3	V	S
4	W	C

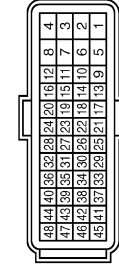
Connector No.	F51
Connector Name	A/T ASSEMBLY
Connector Type	RK10FG-DGY



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	R	-
3	L	-
4	V	-
5	B	-
6	G	-
7	R	-
8	P	-

9	GR	-
10	B	-

Connector No.	F101
Connector Name	ECM
Connector Type	RH40FB-R2B-L-LH-Z



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	AFH 1/O2HE 1
2	G	MOTOR 1-B1
3	R	VMCT 1-B1
4	BR	MOTOR 2-B1
5	W	AFH 2/O2HF 2
8	B	GND
11	GR	IGN#4
12	L	IGN#3
15	V	IGN#5
16	G	IGN#2
17	P	O2HR 1
18	W	CVTCH#1
19	SB	IGN#6
20	Y	IGN#1
21	GR	EVAP
22	R	FPR
24	P	SSOFF
25	O	MOTRY 1-B1
26	BR	ASORT
29	G	CVTCH#2
30	Y	TPS 1-B1
31	R	TPS 1-B2
33	SB	OPHR 2
34	B	TPS 2-B1
35	W	TPS 2-B2
36	O	GNDX/INTPRES/AMVPRES
37	W	POS
38	O	INTPRES 1
39	P	IMVPRES
40	R	GNDX-TPS-B1
43	G	AVCC-TPS-B2
44	L	AVCC-TPS-B1
45	LG	AVCCZ/INTERESS/AMVPRES
46	R	AVCC 2-POS

47	Y	-
48	B	-

		GND-POS
		GNDX-TPS-BZ

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# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BATTERY POWER SUPPLY

Connector No.	F102
Connector Name	ECM
Connector Type	RH40FR-R28-L-LH-Z

96	32	88	84	80	76	72	68	64	60	56	52
95	81	87	83	79	75	71	67	63	59	55	51
94	80	86	82	78	74	70	66	62	58	54	50
93	89	85	81	77	73	69	65	61	57	53	49



Terminal No.	Color of Wire	Signal Name [Specification]
49	GR	MOTOR 2-B2
50	V	MOTOR 1-B2
52	R	VMOT-B2
53	W	IGNSW
54	Y	ENG CAN-L1
55	LG	ENG CAN-H1
57	L	AF-1/OZSF 1
58	O	PHASE#1
60	G	AVCC-PHS 1-E-PHS 1/PS AF-1
61	R	PHASE#2
63	L	AVCC-PHS 2-E-PHS 2/OU AF-2/OZSF 2
64	SB	AF-2
65	LG	TA 1
66	V	GNDA GA 1/TA 1
67	P	GNK 2
68	LG	TW
69	W	GNDA-KNK
71	Y	GNK 1
72	SHIELD	GNK 2
73	W	OZSR 1
74	W	GA 1+
76	W	TO 1
77	SB	GA 2-
78	G	GA 2-
79	BR	OZSR 2
80	O	INJ#3
81	R	INJ#6
82	V	GNDA OZS-TW-TO
84	B	INJ#2
85	BR	INJ#5
86	W	PSPRES
87	Y	INJ#1
88	GR	INJ#4
89	GR	CURSEN
90	O	GNDA-PHASE#2
91	SB	BATT
92	G	GNDA-OA 2/TA 2
93	P	GNDA-CURSEN
94	Y	
95	G	

96	P	GNDA-PHASE#1/PS
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Connector No.	F104
Connector Name	WIRE TO WIRE
Connector Type	TH08PW-NH

4	3	2	1
8	7	6	5



Terminal No.	Color of Wire	Signal Name [Specification]
1	P	
2	V	
3	L	
4	Y	
6	GR	
7	R	
8	O	

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

1	2	3	4
5	6	7	8



Terminal No.	Color of Wire	Signal Name [Specification]
1	P	
2	V	
3	L	
4	Y	
6	GR	
7	R	
8	O	

Connector No.	F108
Connector Name	AWD CONTROL UNIT
Connector Type	TH18PW-NH

1	2	3	4	5		
9	10	11	13	15	16	8



Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	AWD SOL (+)
2	Y	AWD SOL (-)
3	W	OIL TEMP (-)
7	G	IGN
8	L	CAN-H
9	O	AWD SOL BATT
10	B	GND
11	B	GND
13	LG	OIL TEMP (+)
15	Y	VB
16	P	CAN-L

Connector No.	F157
Connector Name	TCM (TRANSMISSION CONTROL MODULE)
Connector Type	SP10FG

1	2	3	4	5
6	7	8	9	10



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	VIGN
2	B	BATT
3	R	CAN-H
4	O	K-LINE
5	G	GND
6	GR	VIGN
7	L	REV LAMP RLY
8	BR	CAN-L
9	Y	STARTER RLY
10	W/B	GND

Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS10FW-M2

3A	2A	1A		
8A	7A	6A	5A	4A



Terminal No.	Color of Wire	Signal Name [Specification]
1A	V	
2A	LG	
3A	L	
4A	SB	
5A	L	
6A	BR	
7A	R	
8A	L	

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

4B	3B	2B	1B			
10B	9B	8B	7B	6B	5B	4B



Terminal No.	Color of Wire	Signal Name [Specification]
1B	SB	
3B	P	
4B	G	
5B	BG	
6B	Y	
7B	L	
8B	R	
9B	SB	

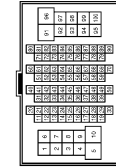
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BATTERY POWER SUPPLY

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TH20MW-CS (E-TM4)



Terminal No.	Color of Wire	Signal Name [Specification]
1	BG	-
3	R	-
5	G	-
6	L	-
7	W	-
10	W	-
11	V	-
12	R	-
13	L	-
14	GR	-
15	P	-
16	W	-
17	BR	-
18	BG	-
19	L	-
20	L	-
30	R	-
31	SB	-
32	Y	-
33	BG	-
34	R	-
35	BR	-
36	SB	-
37	Y	-
38	LG	-
39	SB	-
40	P	-
41	W	-
42	LG	-
43	R	-
44	Y	- [With A/T]
44	P	- [With M/T]
45	BG	-
46	G	-
47	V	-
48	P	-
49	L	-
50	B	-

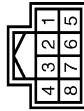
66	GR	-
67	P	-
68	L	-
69	W	-
70	BR	-
80	L	-
81	R	-
82	V	-
83	W	-
84	L	-
85	BG	-
86	W	-
87	G	-
88	B	-
89	SB	-
91	L	-
93	Y	-
95	Y	-
96	R	-
97	P	-
98	SHIELD	-
99	V	-
100	SB	-

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



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	W	-
3	BR	-
4	GR	-
5	L	-
6	LG	-
7	B	-
12	Y	-
13	SB	-
14	R	-
15	G	-
16	W	-

Connector No.	M40
Connector Name	STEERING LOCK UNIT
Connector Type	TH20FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	S/L 12V (MECHANICAL)
2	Y	S/L (K LINE)
3	L	S/L CONDITION 1
5	B	GND
6	B	GND
7	W	S/L 12V (CPU)
8	BG	S/L CONDITION 2

Connector No.	M41
Connector Name	AWAS FRONT CONTROL UNIT
Connector Type	SNA02FGY



Terminal No.	Color of Wire	Signal Name [Specification]
11	R	F-MTR PMR SUPPLY
12	B	F-MTR GND

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



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
2	G	-
3	G	-
5	L	-

Connector No.	M110
Connector Name	PRE-CRASH SEAT BELT CONTROL UNIT
Connector Type	TH20FW-TB6



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	MOTOR (RH) (RELEASE)
2	W	MOTOR (RH) (RELEASE)
3	R	MOTOR (RH) (FASTEN)
4	Y	MOTOR (LH) (FASTEN)
5	W	GND (DRIVE)
6	R	MOTOR (LH) (RELEASE)
7	Y	INDICATOR
8	LG	BUCKLE SW RH
10	SB	BUCKLE SW LH
13	W	IGN
16	W	SENS OUTPUT 1
18	L	SENS POWER
20	BR	SENS OUTPUT 2
21	B	SENS GND
22	P	CAN-L
24	L	CAN-H
26	B	GND (CONT)

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JCMWM6037G1

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

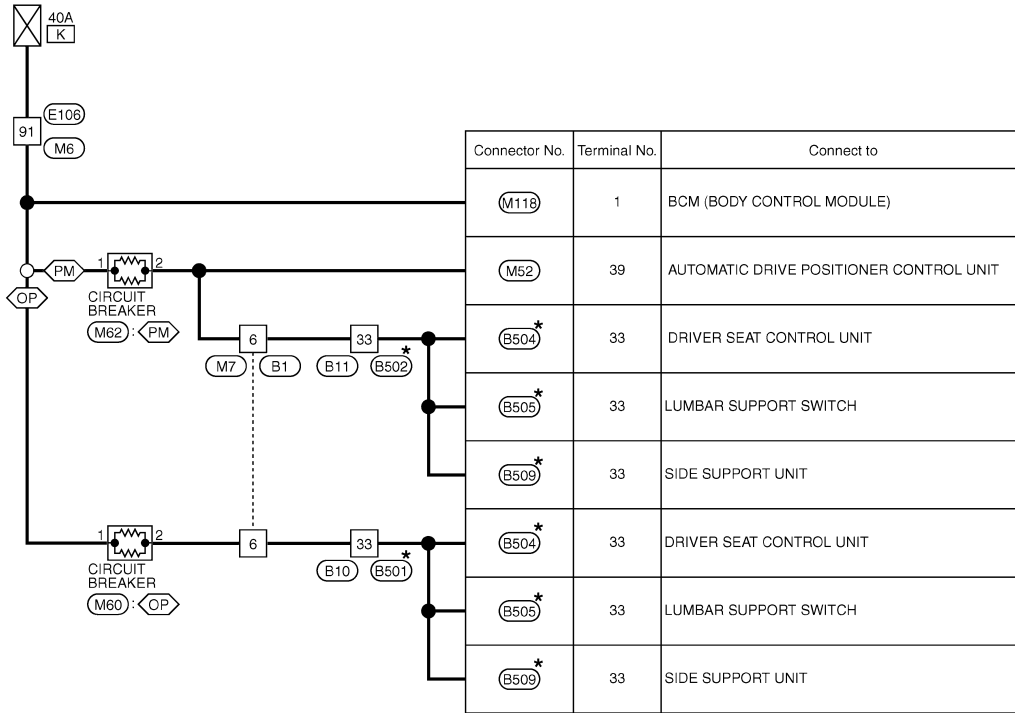
[POWER SUPPLY & GROUND CIRCUIT]

## Wiring Diagram - BATTERY POWER SUPPLY FUSIBLE LINK No. K -

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### BATTERY POWER SUPPLY FUSIBLE LINK No. K

PM : With automatic drive positioner  
 OP : Without automatic drive positioner



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

2009/11/05

JCMWM6038G





# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]


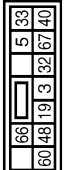
### BATTERY POWER SUPPLY FUSIBLE LINK No. K

Connector No.	B1
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4


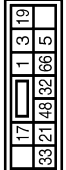
Terminal No.	Color of Wire	Signal Name [Specification]
1	BG	-
2	G	-
3	W	-
5	Y	-
6	SB	-
7	G	-
8	Y	-
9	GR	-
10	R	-
14	V	-
15	BR	-
16	LG	-
17	W	-
20	L	-
21	P	-
22	L	-
23	P	-
31	L	-
32	P	-
33	LG	-
34	Y	-
36	V	-
38	SB	-
37	SHIELD	-
38	W	-
40	BR	-
41	Y	-
42	SHIELD	-
43	P	-
44	L	-
45	SHIELD	-
46	R	-
47	G	-
48	SHIELD	-
48	SB	-
51	P	-
52	G	-
53	GR	-

Connector No.	B10
Connector Name	WIRE TO WIRE
Connector Type	NS12FW-CS


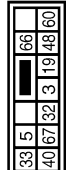
Terminal No.	Color of Wire	Signal Name [Specification]
3	L	-
5	V	-
19	P	-
32	B	-
33	SB	-
40	G	-
48	B	-
60	G	-
66	Y	-
67	GR	-

Connector No.	B11
Connector Name	WIRE TO WIRE
Connector Type	NS12FW-CS

Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
3	L	-
5	V	-
17	LG	-
19	P	-
21	V	-
32	B	-
33	SB	-
40	BR	-
48	B	-
60	G	-
66	Y	-
67	GR	-



Connector No.	B501
Connector Name	WIRE TO WIRE
Connector Type	NS12MW-CS

Terminal No.	Color of Wire	Signal Name [Specification]
3	R/Y	-
5	L	-
18	V	-
32	B/W	-
33	R	-
40	R/W	-
48	B	-
60	Y	-
66	B	-

Connector No.	67
Connector Name	W

Connector No.	B502
Connector Name	WIRE TO WIRE
Connector Type	NS16MW-CS

Terminal No.	Color of Wire	Signal Name [Specification]
1	L/W	-
3	R/Y	-
5	L	-
17	Y/R	-
21	L/Y	-
32	B/W	-
33	R	-
40	R/W	-
48	B	-
60	Y	-
66	B	-
67	W	-

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# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

**BATTERY POWER SUPPLY FUSIBLE LINK No. K**

Connector No.	B504
Connector Name	DRIVER SEAT CONTROL UNIT
Connector Type	NS16FW-CS




33	35	36	37	38	39
40	41	42	44	45	48

Terminal No.	Color of Wire	Signal Name [Specification]
33	R	BAT (C/B)
35	W/R	SLIDING MOTOR (FORWARD)
36	G/Y	RECLINING MOTOR (FORWARD)
37	G/W	FRONT LIFTING MOTOR (DOWNWARD)
38	L/Y	REAR LIFTING MOTOR (UPWARD)
39	R/B	REAR LIFTING MOTOR (BACKWARD)
40	R/W	BAT (FUSE)
41	Y/G	FORWARD SW
42	W	SLIDING MOTOR (BACKWARD)
44	P	RECLINING MOTOR (BACKWARD)
45	L/R	FRONT LIFTING MOTOR (UPWARD)
48	B	GND (POWER)

Connector No.	B505
Connector Name	LUMBAR SUPPORT SWITCH
Connector Type	NS104FW-CS




58	57	48	33
56	55	44	33

Terminal No.	Color of Wire	Signal Name [Specification]
33	R	
48	B	
57	W	
58	L	

Connector No.	B509
Connector Name	SIDE SUPPORT UNIT
Connector Type	NS106FW-CS




55	54	53	52	48
53	53	52	48	48

Terminal No.	Color of Wire	Signal Name [Specification]
33	R	
48	B	
52	G	
53	B/R	
54	V/W	
55	R/L	

Connector No.	FE106
Connector Name	WIRE TO WIRE
Connector Type	TH180FW-CS16-TM4



81	82	83	84	85	86	87	88	89	91	93	95	96	97	98	99	100
81	82	83	84	85	86	87	88	89	91	93	95	96	97	98	99	100

Terminal No.	Color of Wire	Signal Name [Specification]
81	P	
82	G	
83	V	
84	L	
85	BG	
86	LG	
87	Y	
88	GR	
89	W	
91	G	
93	GR	
95	Y	
96	Y	
97	BR	
98	SHIELD	
99	L	
100	P	

JCMWM6040G

# POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

## BATTERY POWER SUPPLY FUSIBLE LINK No. K

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



Terminal No.	Color of Wire	Signal Name [Specification]
1	BG	-
3	R	-
5	G	-
6	L	-
7	W	-
10	W	-
11	V	-
12	R	-
13	L	-
14	GR	-
15	P	-
16	W	-
17	BR	-
18	BG	-
19	L	-
20	L	-
30	R	-
31	SB	-
32	Y	-
33	BG	-
34	R	-
35	BR	-
36	SB	-
37	Y	-
38	LG	-
39	SB	-
40	P	-
41	W	-
42	LG	-
43	R	-
44	Y	- [With A/T]
44	P	- [With M/T]
45	BG	-
46	G	-
47	V	-
48	P	-
48	L	-
58	B	-

66	GR	-
67	P	-
68	L	-
69	W	-
70	BR	-
80	L	-
81	R	-
82	V	-
83	W	-
84	L	-
85	BG	-
86	W	-
87	G	-
88	B	-
89	SB	-
91	L	-
93	Y	-
95	Y	-
96	R	-
97	P	-
98	SHIELD	-
99	V	-
100	SB	-

Connector No.	M7
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	BG	-
2	LG	-
3	BG	-
5	Y	-
6	P	-
7	G	-
8	L	-
9	V	-
10	R	-
14	R	-
15	BR	-
16	P	-
17	V	-

Connector No.	M82
Connector Name	AUTOMATIC DRIVE POSITIONER CONTROL UNIT
Connector Type	NS3.6PW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
33	W	POWER SUPPLY (SENSOR)
34	R	BAT (FUSE)
35	L	TILT MOTOR (UPWARD)
36	GR	TELESCOPIC MOTOR (FORWARD)
39	P	BAT (G/B)
40	B	GND (SIGNAL)
41	Y	GND (SENSOR)
42	BG	TILT MOTOR (DOWNWARD)
44	G	TELESCOPIC MOTOR (BACKWARD)
48	B	GND (POWER)

Connector No.	M60
Connector Name	CIRCUIT BREAKER
Connector Type	MD2FW-LC



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

20	L	-
21	P	-
22	L	-
23	P	-
31	L	-
32	P	-
33	LG	-
34	SB	-
35	V	-
36	LG	-
37	SHIELD	-
38	GR	-
40	BR	-
41	Y	-
42	SHIELD	-
43	O	-
44	W	-
45	SHIELD	-
46	R	-
47	G	-
48	SHIELD	-
49	SB	-
51	W	-
52	B	-
53	SB	-
54	V	-
56	L	-
57	W	-
58	BG	-
60	L	-
61	G	-
62	B	-
63	G	-
64	R	-
65	W	-
66	Y	-
67	SHIELD	-
71	LG	-
72	LG	-
73	SB	-
74	V	-
75	LG	-
76	P	-
80	P	-
81	W	-
82	BR	-
95	BG	-

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JCMWM6041G1

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BATTERY POWER SUPPLY FUSIBLE LINK No. K

Connector No.	M62
Connector Name	CIRCUIT BREAKER
Connector Type	MD2FB-LC



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

Connector No.	M118
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	MD2FB-LC



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	BAT (F/L)
2	Y	POWER WINDOW POWER SUPPLY (BATT)
3	BG	POWER WINDOW POWER SUPPLY (RAMP)

JCMWM6042G

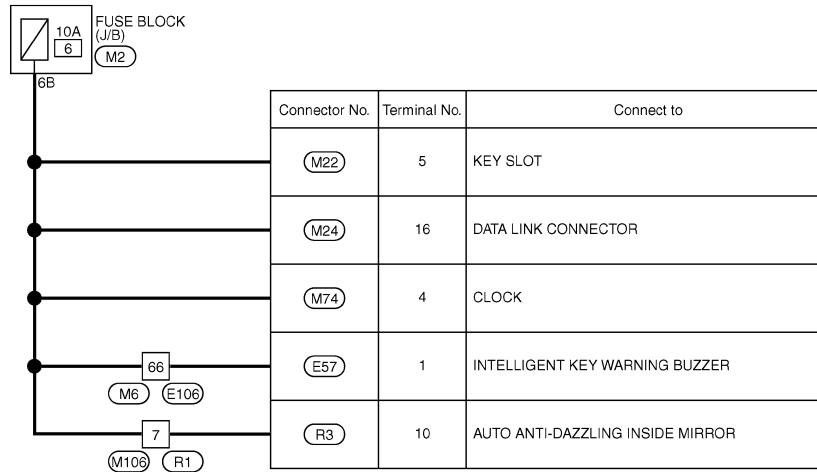
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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

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JCMWM6043GI

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

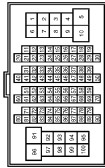
## BATTERY POWER SUPPLY FUSE No. 6

Connector No.	E57
Connector Name	INTELLIGENT KEY WARNING BUZZER
Connector Type	RK02FER



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

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



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
3	EG	-
5	G	-
6	EG	-
7	LG	-
10	W	-
11	V	-
12	R	-
13	L	-
14	GR	-
15	P	-
16	W	-
17	V	-
18	BG	-
19	GR	-
20	LG	-
30	R	-
31	L	-
32	BG	-
33	P	-

34	V	-
35	BR	-
36	W	-
37	Y	-
38	R	-
39	B	-
40	G	-
41	W	-
42	LG	-
43	SB	-
44	GR	-
45	BG	-
46	LG	-
47	V	-
48	P	-
49	L	-
59	B	-
66	LG	-
67	SB	-
68	R	-
69	W	-
70	G	-
80	W	-
81	P	-
82	G	-
83	V	-
84	L	-
85	BG	-
86	LG	-
87	Y	-
88	GR	-
89	W	-
91	G	-
93	GR	-
95	Y	-
96	Y	-
97	BR	-
98	SHIELD	-
99	L	-
100	P	-

Connector No.	M2
Connector Name	FUSE BLOCK (U/B)
Connector Type	HS10FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1B	SB	-
3B	P	-
4B	G	-
5B	BG	-
6B	Y	-
7B	L	-
8B	R	-
9B	SB	-

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



Terminal No.	Color of Wire	Signal Name [Specification]
1	BG	-
3	R	-
5	G	-
6	L	-
7	W	-
10	W	-
11	V	-
12	R	-
13	L	-
14	GR	-
15	P	-
16	W	-
17	BR	-
18	BG	-

19	L	-
20	L	-
30	R	-
31	SB	-
32	Y	-
33	BG	-
34	R	-
35	BR	-
36	SB	-
37	Y	-
38	LG	-
39	SB	-
40	P	-
41	W	-
42	LG	-
43	R	-
44	Y	-
45	BG	-
46	G	-
47	V	-
48	P	-
49	L	-
59	B	-
66	GR	-
67	P	-
68	L	-
69	W	-
70	BR	-
80	L	-
81	R	-
82	V	-
83	W	-
84	L	-
85	BG	-
86	W	-
87	G	-
88	B	-
89	SB	-
91	L	-
93	Y	-
95	Y	-
96	R	-
97	P	-
98	SHIELD	-
99	V	-
100	SB	-

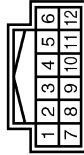
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

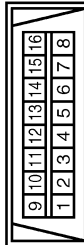
## BATTERY POWER SUPPLY FUSE No. 6

Connector No.	M22
Connector Name	KEY SLOT
Connector Type	TH12FV-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	BAT
2	GR	GLOCK
3	W	DATA
5	Y	ILL.BAT
6	LG	ILL.
7	B	GND
11	G	KEY SWITCH SIGNAL

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



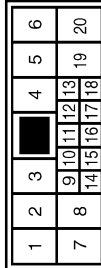
Terminal No.	Color of Wire	Signal Name [Specification]
3	LG	
4	B	
5	B	
6	L	
7	V	
8	LG	
11	SB	
14	P	
16	Y	

Connector No.	M74
Connector Name	CLOCK
Connector Type	TR104FT-NH



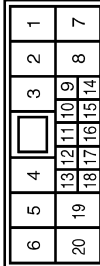
Terminal No.	Color of Wire	Signal Name [Specification]
1	B	ILLUMINATION (-)
2	R	ILLUMINATION (+)
3	B	GND
4	Y	BAT

Connector No.	M106
Connector Name	WIRE TO WIRE
Connector Type	NH10MW-GS10



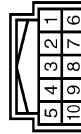
Terminal No.	Color of Wire	Signal Name [Specification]
2	L	
3	SHIELD	
4	G	
5	BR	
6	P	
7	Y	
8	GR	
9	LG	
10	V	
11	P	
12	B	
13	P	
15	R	
16	G	
17	SHIELD	
18	B	
19	SR	
20	R	

Connector No.	R1
Connector Name	WIRE TO WIRE
Connector Type	NH10FW-GS10



Terminal No.	Color of Wire	Signal Name [Specification]
2	L	[With 4WAS]
2	GR	[Without 4WAS]
3	SHIELD	
4	G	
5	BR	
8	Y	
9	G	
8	BR	
9	R	
10	V	
11	B	
12	B	
13	Y	
15	O	
16	W	
17	SHIELD	
18	B	
19	Y	
20	R	

Connector No.	R3
Connector Name	AUTO ANTI-DAZZLING INSIDE MIRROR
Connector Type	TH10FB-NH



Terminal No.	Color of Wire	Signal Name [Specification]
6	BR	IGN
8	B	GND
10	G	BAT

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# POWER SUPPLY ROUTING CIRCUIT

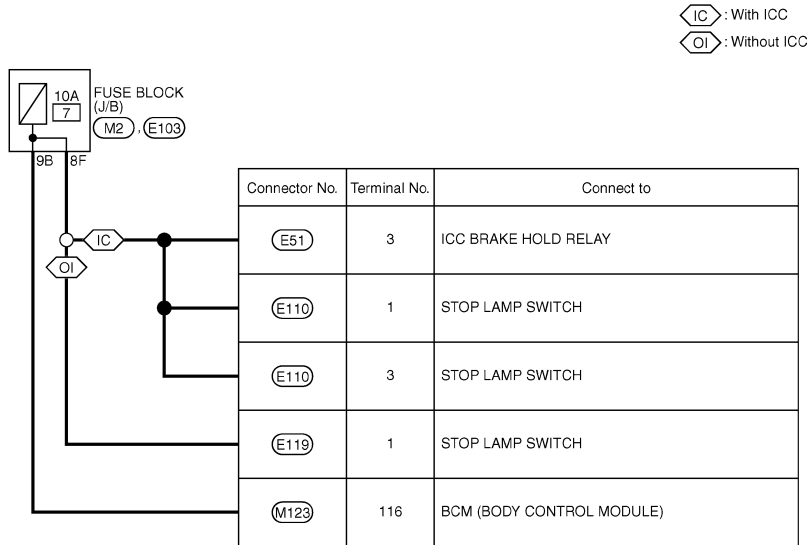
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 7 -

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### BATTERY POWER SUPPLY FUSE No. 7



2009/11/05

JCMWM6046G



# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BATTERY POWER SUPPLY FUSE No. 7

Connector No.	E1
Connector Name	ICV BRAKE HOLD RELAY
Connector Type	MS22FL-MZ-LC



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
2	V	-
3	R	-
5	P	-

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



Terminal No.	Color of Wire	Signal Name [Specification]
1F	SB	-
2F	V	-
4F	G	-
8F	EG	-
9F	R	-

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



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	V	-
3	L	-
4	SB	-

Connector No.	E119
Connector Name	STOP LAMP SWITCH
Connector Type	M04FW-LC



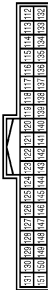
Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	V	-
3	Y	-
4	W	-

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



Terminal No.	Color of Wire	Signal Name [Specification]
1B	SB	-
3B	P	-
4B	G	-
5B	BG	-
6B	Y	-
7B	L	-
8B	R	-
9B	SB	-

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



Terminal No.	Color of Wire	Signal Name [Specification]
112	R	RAIN SENSOR SERIAL LINK
113	BG	OPTICAL SENSOR
114	P	CLUTCH INTERLOCK SW
116	SB	STOP LAMP SW 1
118	BR	STOP LAMP SW 2
119	SB	DR DOOR UNLOCK SENSOR
121	G	KEY SLOT SW
123	W	IGN F/B
124	LG	PASSENGER DOOR SW
129	Y	TRUNK LID OPENER CANCEL SW
132	V	POWER WINDOW SW COMB
133	L	PUSH-BUTTON IGNITION SW ILL POWER LOCK IND
134	R	RECEIVER / SENSOR GND
137	BG	RECEIVER / SENSOR POWER SUPPLY
138	V	TIRE PRESSURE RECEIVER COMM
139	L	SHIFT IN/P
140	Y	SECURITY INDICATOR
141	P	COMBI SW OUTPUT 5
142	LG	COMBI SW OUTPUT 1
143	V	COMBI SW OUTPUT 2
144	G	COMBI SW OUTPUT 3
145	L	COMBI SW OUTPUT 4
146	SB	COMBI SW OUTPUT 1
148	W	TIRE PRESSURE WARN CHECK SW
150	R	DRIVER DOOR SW
151	G	REAR WINDOW DEFROGGER RELAY CONT

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
# POWER SUPPLY ROUTING CIRCUIT

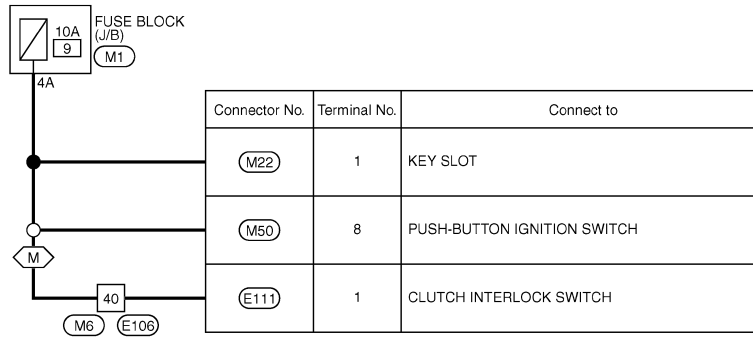
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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

INFOID:000000005660554

 : With M/T



2009/11/05

JCMWM6048G

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

### BATTERY POWER SUPPLY FUSE No. 9

Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	TH80FN-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
3	BG	-
5	G	-
6	BG	-
7	LG	-
8	BR	-
10	W	-
11	V	-
12	R	-
13	L	-
14	GR	-
15	P	-
16	W	-
17	V	-
18	BG	-
19	GR	-
20	LG	-
30	R	-
31	L	-
32	BG	-
33	P	-
34	V	-
35	RR	-
36	W	-
37	Y	-
38	R	-
39	B	-
40	G	-
41	W	-
42	LG	-
43	SB	-
44	GR	-
45	BG	-
46	LG	-
47	V	-
48	P	-
49	W	-
58	B	-
66	LG	-

67	SR	-
68	IR	-
69	W	-
70	G	-
80	W	-
81	P	-
82	G	-
83	V	-
84	L	-
85	BG	-
86	BG	-
87	Y	-
88	GR	-
89	W	-
91	G	-
93	GR	-
95	Y	-
96	Y	-
97	BR	-
98	SHIELD	-
99	L	-
100	P	-

Connector No.	E111
Connector Name	CLUTCH INTERLOCK SWITCH
Connector Type	IS02FL



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

Connector No.	M1
Connector Name	FUSE BLOCK (U/B)
Connector Type	MS8FN-M2



Terminal No.	Color of Wire	Signal Name [Specification]
1A	V	-
2A	LG	-
3A	L	-
4A	SB	-
5A	L	-
6A	BR	-
7A	R	-
8A	L	-

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



Terminal No.	Color of Wire	Signal Name [Specification]
1	BG	-
3	R	-
5	G	-
6	L	-
7	W	-
10	W	-
11	V	-
12	R	-
13	L	-
14	GR	-
15	P	-
16	W	-
17	BR	-
18	BG	-

19	L	-
20	L	-
30	R	-
31	SR	-
32	Y	-
33	BG	-
34	R	-
35	BR	-
36	SB	-
37	Y	-
38	LG	-
39	SR	-
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41	W	-
42	LG	-
43	R	-
44	Y	-
44	P	-
45	BG	-
46	G	-
47	V	-
48	P	-
49	L	-
59	B	-
66	GR	-
67	P	-
68	L	-
69	W	-
70	BR	-
80	L	-
81	R	-
82	V	-
83	W	-
84	L	-
85	BG	-
86	W	-
87	G	-
88	B	-
89	SR	-
91	L	-
93	Y	-
95	Y	-
96	R	-
97	P	-
98	SHIELD	-
99	V	-
100	SR	-

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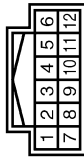
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BATTERY POWER SUPPLY FUSE No. 9

Connector No.	M22
Connector Name	KEY SLOT
Connector Type	TH12FV-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	BAT
2	GR	CLOCK
3	W	DATA
5	Y	ILL.BAT
6	LG	ILL
7	B	GND
11	G	KEY SWITCH SIGNAL

Connector No.	M50
Connector Name	PUSH-BUTTON IGNITION SWITCH
Connector Type	TK08FBR



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
2	W	-
3	L	-
4	BR	-
5	R	-
6	BG	-
7	GR	-
8	SB	-

JCMWM6050G



# POWER SUPPLY ROUTING CIRCUIT

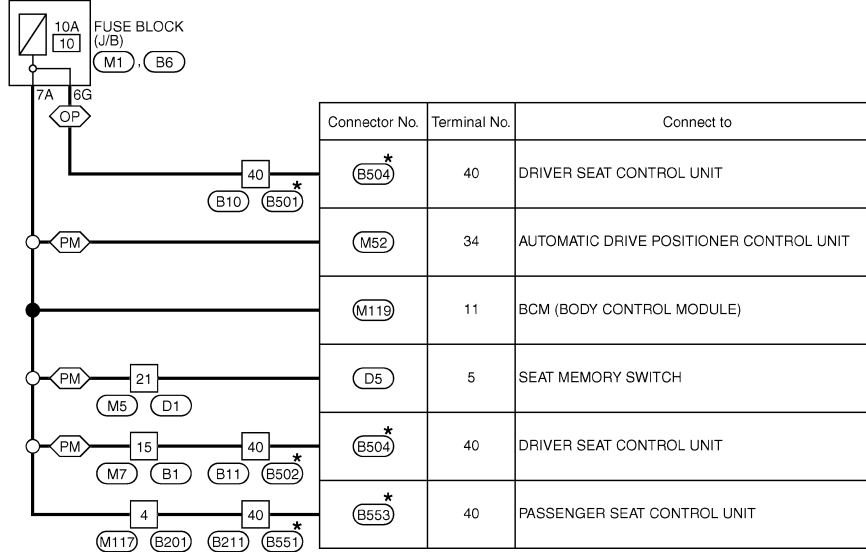
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 10 - BATTERY POWER SUPPLY FUSE No. 10

INFOID:000000005660555

 : With automatic drive positioner  
 : Without automatic drive positioner



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

2009/11/05

JCMWM6051G

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# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BATTERY POWER SUPPLY FUSE No. 10

Connector No.	B1
Connector Name	WIRE TO WIRE
Connector Type	THB07V-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	BG	-
2	G	-
3	W	-
5	Y	-
6	SB	-
7	G	-
8	Y	-
9	GR	-
10	R	-
14	V	-
15	BR	-
16	LG	-
17	W	-
20	L	-
21	P	-
22	L	-
23	P	-
31	L	-
32	P	-
33	LG	-
34	Y	-
35	V	-
36	SB	-
37	SHIELD	-
38	W	-
40	BR	-
41	Y	-
42	SHIELD	-
43	P	-
44	L	-
45	SHIELD	-
46	R	-
47	G	-
48	SHIELD	-
49	SB	-
51	P	-
52	G	-
53	GR	-

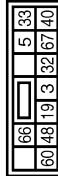
54	V	-
55	LG	-
56	GR	-
57	SB	-
58	G	-
60	Y	-
61	L	-
62	BR	-
63	W	-
64	R	-
65	L	-
66	Y	-
67	SHIELD	-
71	V	-
72	GR	-
73	P	-
74	L	-
75	BR	-
76	SB	-
80	Y	-
81	R	-
82	B	-
95	V	-

Connector No.	B6
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS1ZFER-CS



Terminal No.	Color of Wire	Signal Name [Specification]
4G	R	-
5G	LG	-
6G	G	-
10G	W	-
11G	W	-
12G	Y	-

Connector No.	B10
Connector Name	WIRE TO WIRE
Connector Type	NS1ZFW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
3	L	-
5	V	-
19	P	-
32	B	-
33	SB	-
40	G	-
48	B	-
60	G	-
66	Y	-
67	GR	-

Connector No.	B11
Connector Name	WIRE TO WIRE
Connector Type	NS1BFW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
3	L	-
5	V	-
17	LG	-
19	P	-
21	V	-
32	B	-
33	SB	-
40	BR	-
48	B	-
60	G	-
66	Y	-

67	GR	-
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# POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

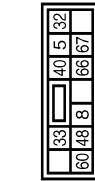
## BATTERY POWER SUPPLY FUSE No. 10

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



Terminal No.	Color of Wire	Signal Name [Specification]
4	BG	-
5	Y	-
6	R	-
7	V	-
8	LG	-
10	R	-
40	V	-
41	G	-
42	R	-
43	W	-
44	B	-
45	SHIELD	-
46	O	-
47	BR	-
48	Y	-
50	SB	-
73	GR	-
74	LG	-
75	BG	-
76	V	-
77	SB	-
78	L	-
79	P	-
84	R	-
85	P	-
86	G	-
87	SHIELD	-
88	Y	-
89	G	-
90	SHIELD	-
91	G	-
92	G	-
93	GR	-
94	BG	-
95	W	-
97	BR	-
98	Y	-

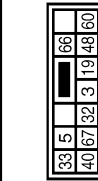
Connector No.	B211
Connector Name	WIRE TO WIRE
Connector Type	NS12FFW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
5	LG	-
8	P	-
32	B	-
33	W	-
40	BG	-
48	B	-
60	G	-
68	GR	-
67	BG	-

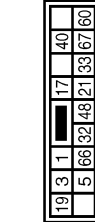
  

Connector No.	B501
Connector Name	WIRE TO WIRE
Connector Type	NS12AMW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
3	R/Y	-
5	L	-
19	V	-
32	B/W	-
33	R	-
40	R/W	-
48	B	-
60	Y	-
66	B	-
67	W	-

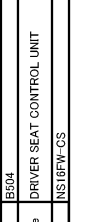
Connector No.	B502
Connector Name	WIRE TO WIRE
Connector Type	NS18MFW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	L/W	-
3	R/Y	-
5	L	-
17	Y/R	-
19	V	-
21	L/Y	-
32	B/W	-
33	R	-
40	R/W	-
48	B	-
60	Y	-
66	B	-
67	W	-

Connector No.	B504
Connector Name	DRIVER SEAT CONTROL UNIT
Connector Type	NS18FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
33	R	BAT (G/E)
35	W/R	SLIDING MOTOR (FORWARD)
36	G/Y	RECLINING MOTOR (FORWARD)
37	G/W	FRONT LIFTING MOTOR (DOWNWARD)
38	L/Y	REAR LIFTING MOTOR (UPWARD)
39	R/B	REAR LIFTING MOTOR (BACKWARD)
40	R/W	BAT (FUSE)
41	Y/G	FORWARD SW
42	W	SLIDING MOTOR (BACKWARD)

44	P	RECLINING MOTOR (BACKWARD)
45	L/R	FRONT LIFTING MOTOR (UPWARD)
48	B	GND (POWER)

Connector No.	B551
Connector Name	WIRE TO WIRE
Connector Type	NS12MFW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
32	5	40
67	66	8
68	66	48
69	66	60
70	66	66
71	66	67
72	66	68
73	66	69
74	66	70
75	66	71
76	66	72
77	66	73
78	66	74
79	66	75
80	66	76
81	66	77
82	66	78
83	66	79
84	66	80
85	66	81
86	66	82
87	66	83
88	66	84
89	66	85
90	66	86
91	66	87
92	66	88
93	66	89
94	66	90
95	66	91
96	66	92
97	66	93
98	66	94

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# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BATTERY POWER SUPPLY FUSE No. 10

Connector No.	B553
Connector Name	PASSENGER SEAT CONTROL UNIT
Connector Type	NS16FW-CS



33	35	36	37	38	39
40	41	42	44	45	48

Terminal No.	Color of Wire	Signal Name [Specification]
33	R	BAT (C/B)
35	W/R	SLIDING MOTOR (FORWARD)
36	G/Y	RECLINING MOTOR (FORWARD)
37	G/W	FRONT LIFTING MOTOR (DOWNWARD)
38	L/Y	REAR LIFTING MOTOR (UPWARD)
39	R/B	REAR LIFTING MOTOR (DOWNWARD)
40	R/W	BAT (FUSE)
41	Y/G	FORWARD SW
42	W	SLIDING MOTOR (BACKWARD)
44	P	RECLINING MOTOR (BACKWARD)
45	L/R	FRONT LIFTING MOTOR (UPWARD)
48	B	GND (POWER)

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



15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30

Terminal No.	Color of Wire	Signal Name [Specification]
5	B	-
6	SB	-
7	R	-
8	G	-
9	P	-
10	LG	-
11	W	-
12	GR	-
13	B	-
14	V	-

15	Y	-
21	R	-
22	P	-
23	O	-
24	BR	-
25	SB	-
26	GR	-
27	GR	-
28	LG	-
29	G	-
30	Y	-
31	W	-
32	BR	-
33	L	-
34	R	-
35	V	-
37	B	-
38	BR	-
39	GR	-
40	G	-
43	BR	-
44	V	-
45	P	-
46	W	-
47	V	-
48	P	-
49	W	-
50	SB	-
51	R	-
52	L	-
53	O	-
54	GR	-
55	G	-

Connector No.	D5
Connector Name	SEAT MEMORY SWITCH
Connector Type	FA8FW



3	5	6	7	2	1	4
---	---	---	---	---	---	---

Terminal No.	Color of Wire	Signal Name [Specification]
1	SB	-
2	BR	-
3	GR	-

4	B	-
5	R	-
6	O	-
7	P	-

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



3A	2A	1A
8A	7A	6A
5A	4A	3A

Terminal No.	Color of Wire	Signal Name [Specification]
1A	V	-
2A	LG	-
3A	L	-
4A	SB	-
5A	L	-
6A	BR	-
7A	R	-
8A	L	-

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



1	2	3	4	5	7	8	9	10	11	12	13	14
15	16	17	18	19	20	21	22	23	24	25	26	27

Terminal No.	Color of Wire	Signal Name [Specification]
5	B	-
6	BG	-
7	W	-
8	B	-
9	G	-
10	V	-
11	W	-
12	L	-

13	B	-
14	V	-
15	Y	-
21	W	-
22	P	-
23	BG	-
24	LG	-
25	L	-
26	R	-
27	W	-
28	LG	-
29	GR	-
30	G	-
31	V	-
32	BR	-
33	SB	-
34	GR	-
35	L	-
37	B	-
38	G	-
39	L	-
40	Y	-
43	SB	-
44	Y	-
45	GR	-
46	W	-
47	V	-
48	LG	-
49	R	-
50	SB	-
51	LG	-
52	L	-
53	W	-
54	V	-
55	P	-



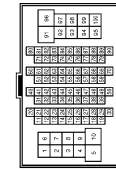
# POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

## BATTERY POWER SUPPLY FUSE No. 10

Connector No.	M7
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	BG	-
2	LG	-
3	BG	-
5	Y	-
6	P	-
7	G	-
8	L	-
9	V	-
10	R	-
14	R	-
15	BR	-
16	P	-
17	V	-
20	L	-
21	P	-
22	L	-
23	P	-
31	L	-
32	P	-
33	LG	-
34	SB	-
36	V	-
38	LG	-
37	SHIELD	-
38	GR	-
40	BR	-
41	Y	-
42	SHIELD	-
43	O	-
44	W	-
45	SHIELD	-
46	R	-
47	G	-
48	SHIELD	-
49	SB	-
51	W	-
52	B	-
53	SB	-

54	V	-
55	Y	-
56	L	-
57	W	-
58	BG	-
60	L	-
61	G	-
62	B	-
63	G	-
64	R	-
65	W	-
66	Y	-
67	SHIELD	-
71	R	-
72	LG	-
73	SB	-
74	V	-
75	LG	-
76	P	-
80	P	-
81	W	-
82	BR	-
95	BG	-

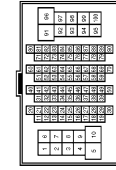
Connector No.	M52
Connector Name	AUTOMATIC DRIVE POSITIONER CONTROL UNIT
Connector Type	NS16FW-CS



33	34	35	36	37	38	39
40	41	42	43	44	45	46
47	48	49	46	47	48	

Terminal No.	Color of Wire	Signal Name [Specification]
33	W	POWER SUPPLY (SENSOR)
34	R	BAT (FUSE)
35	L	TIPT MOTOR (UPWARD)
36	GR	TELESCOPIC MOTOR (FORWARD)
39	P	BAT (C/B)
40	B	GND (SIGNAL)
41	Y	GND (SENSOR)
42	BG	TIPT MOTOR (DOWNWARD)
44	G	TELESCOPIC MOTOR (BACKWARD)
48	B	GND (POWER)

Connector No.	M117
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
4	R	-
5	Y	-
6	R	-
7	L	-
8	LG	-
10	R	-
40	W	-
41	W	-
42	B	-
43	R	-
44	G	-
45	SHIELD	-
46	G	-
47	L	-
48	P	-
49	SHIELD	-
50	Y	-
73	Y	-
74	G	-
75	LG	-
76	LG	-
77	SB	-
78	SB	-
79	LG	-
84	R	-
85	V	-
88	G	-
87	SHIELD	-
89	L	-
89	P	-
90	SHIELD	-
91	G	-
92	G	-
93	GR	-
94	SB	-
95	Y	-
97	LG	-
98	V	-

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



4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19					

Terminal No.	Color of Wire	Signal Name [Specification]
4	LG	INTERIOR ROOM LAMP POWER SUPPLY
5	P	PASSENGER DOOR UNLOCK OUTPUT
7	SB	STEP LAMP OUTPUT
8	V	ALL DOOR FUEL ID LOCK OUTPUT
9	G	DRIVER DOOR FUEL ID LOCK OUTPUT
11	R	BAT (FUSE)
13	B	GND
14	W	PUSH BUTTON IGNITION SW ILL GND
15	BG	ACC INH
17	W	TURN SIGNAL RH (FRONT)
18	BG	TURN SIGNAL LH (FRONT)
19	V	ROOM LAMP TIMER CONTROL

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# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

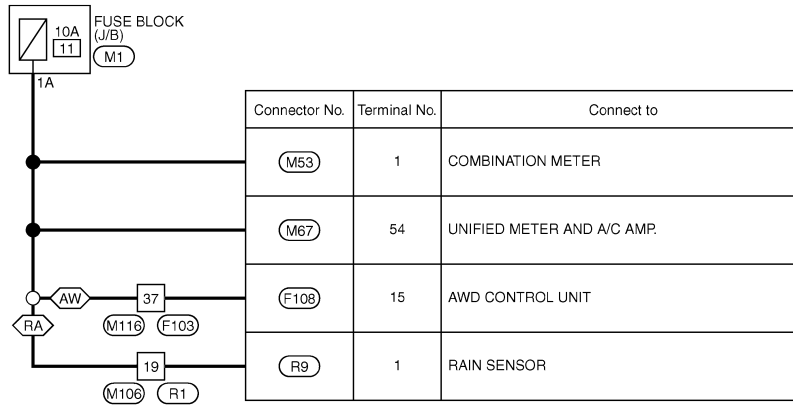
[POWER SUPPLY & GROUND CIRCUIT]

## Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 11 -

INFOID:000000005660556

### BATTERY POWER SUPPLY FUSE No. 11

AW: AWD models  
RA: With rain sensor



2009/11/05

JCMWM6056G

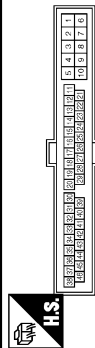
# POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

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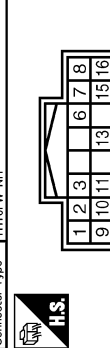
## BATTERY POWER SUPPLY FUSE No. 11

Connector No.	F103
Connector Name	WIRE TO WIRE
Connector Type	TK30FW-NS10



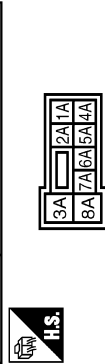
Terminal No.	Color of Wire	Signal Name [Specification]
2	G	-
3	W	-
4	R	-
5	B	-
6	Y	-
7	Y	-
8	Y	-
9	Y	-
10	GR	-
19	O	-
20	Y	-
28	B	-
29	LG	-
30	R	-
31	R	-
33	B	-
34	B	-
35	L	-
36	P	-
37	Y	-
38	G	-
41	O	-
42	BR	-
43	P	-
44	L	-
45	G	-
46	V	-

Connector No.	F108
Connector Name	AWD CONTROL UNIT
Connector Type	TH16FW-NH



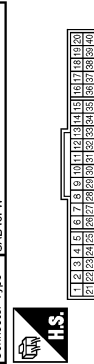
Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	AMD SOL (+)
2	Y	AMD SOL (-)
3	W	OIL TEMP (-)
7	G	IGN
8	L	CAN-H
9	O	AMD SOL BAT
10	B	GND
11	B	GND
13	LG	OIL TEMP (+)
15	Y	VB
16	P	CAN-L

Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS30FW-M2



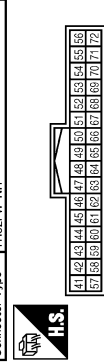
Terminal No.	Color of Wire	Signal Name [Specification]
1A	V	-
2A	LG	-
3A	L	-
4A	SB	-
5A	L	-
6A	BR	-
7A	R	-
8A	L	-

Connector No.	M53
Connector Name	COMBINATION METER
Connector Type	SAB10FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	BATTERY
2	LG	COMMUNICATION SIGNAL (METER->AMP.)
3	BR	COMMUNICATION SIGNAL (AMP->METER)
5	B	GROUND
6	W	ALTERNATOR SIGNAL
7	LP	AIR BAG
10	P	SECURITY
15	B	GROUND
16	W	METER CONTROL SWITCH GROUND
18	GR	ILL.GND
19	B	ILL.GND
20	R	ILL
21	GR	IGNITION POWER SUPPLY
22	B	GROUND
24	BR	COMMUNICATION SIGNAL (LCD->AMP.)
25	Y	COMMUNICATION SIGNAL (AMP->LCD)
26	G	VEHICLE SPEED (PULSE)
27	BG	PARKING BRAKE SWITCH
28	L	BRAKE FLUID LEVEL SWITCH
29	LG	SEAT BELT BUCKLE SW (DRIVER SIDE)
30	G	SEAT BELT
31	L	WASHER LEVEL SWITCH
33	R	ILLUMINATION CONTROL
35	LG	SELECT SWITCH
37	SB	ENTER SWITCH
38	L	TRIP A/B RESET SWITCH
39	P	ILLUMINATION CONTROL SWITCH (-)
40	BG	ILLUMINATION CONTROL SWITCH (+)

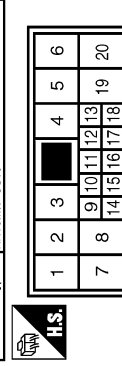
Connector No.	M67
Connector Name	UNIFIED METER AND A/C AMP.
Connector Type	TH32FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
41	L	ACC POWER SUPPLY
42	BR	FUEL LEVEL SENSOR SIGNAL
43	V	INTAKE SENSOR SIGNAL
44	LG	IN-VEHICLE SENSOR SIGNAL
45	V	AMBIENT SENSOR SIGNAL
46	GR	SUNLOAD SENSOR SIGNAL

Terminal No.	Color of Wire	Signal Name [Specification]
47	W	GAS SENSOR SIGNAL
53	G	IGNITION POWER SUPPLY
54	Y	BATTERY POWER SUPPLY
55	B	GROUND
56	L	CAN-H
57	LG	BRAKE FLUID LEVEL SWITCH
58	P	FUEL LEVEL SENSOR GROUND
59	Y	IN-VEHICLE SENSOR GROUND
60	W	IN-VEHICLE SENSOR GROUND
61	R	AMBIENT SENSOR GROUND
62	SB	SUNLOAD SENSOR GROUND
63	L	ION CONTROL MODE OUTPUT SIGNAL
65	BG	ECV SIGNAL
69	P	A/C LAM SIGNAL
70	R	EACH DOOR MOTOR POWER SUPPLY
71	GR	GROUND
72	P	CAN-L

Connector No.	M108
Connector Name	WIRE TO WIRE
Connector Type	NH10MW-CS10



Terminal No.	Color of Wire	Signal Name [Specification]
2	L	-
3	SHIELD	-
4	G	-
5	BR	-
6	P	-
7	Y	-
8	GR	-
9	LG	-
10	V	-
11	P	-
12	B	-
13	P	-
15	R	-
16	G	-
17	SHIELD	-
18	B	-
19	SB	-
20	R	-

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

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

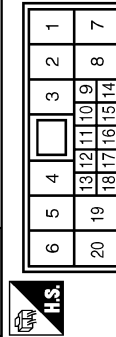
## BATTERY POWER SUPPLY FUSE No. 11

Connector No.	M116
Connector Name	WIRE TO WIRE
Connector Type	TK26AW-NS1.0



Terminal No.	Color of Wire	Signal Name [Specification]
2	W	-
3	EG	-
4	P	-
5	B	-
9	R	-
10	R	-
18	EG	-
20	Y	-
28	B	-
29	LG	-
30	BR	-
31	W	-
33	B	-
34	B	-
35	L	-
36	P	-
37	V	-
41	EG	-
42	G	-
43	P	-
44	L	-
45	Y	-
46	V	-

Connector No.	R1
Connector Name	WIRE TO WIRE
Connector Type	NH10FV-CS1.0



Terminal No.	Color of Wire	Signal Name [Specification]
2	L	- [With 4WAS]
2	GR	- [Without 4WAS]
3	SHIELD	-
4	G	-
5	BR	-
6	Y	-
7	G	-
8	BR	-
9	R	-
10	V	-
11	B	-
12	B	-
13	Y	-
15	O	-
16	W	-
17	SHIELD	-
18	B	-
19	Y	-
20	R	-

Connector No.	R9
Connector Name	RAIN SENSOR
Connector Type	AAB03FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-B
2	R	SIG
3	B	GND

# POWER SUPPLY ROUTING CIRCUIT







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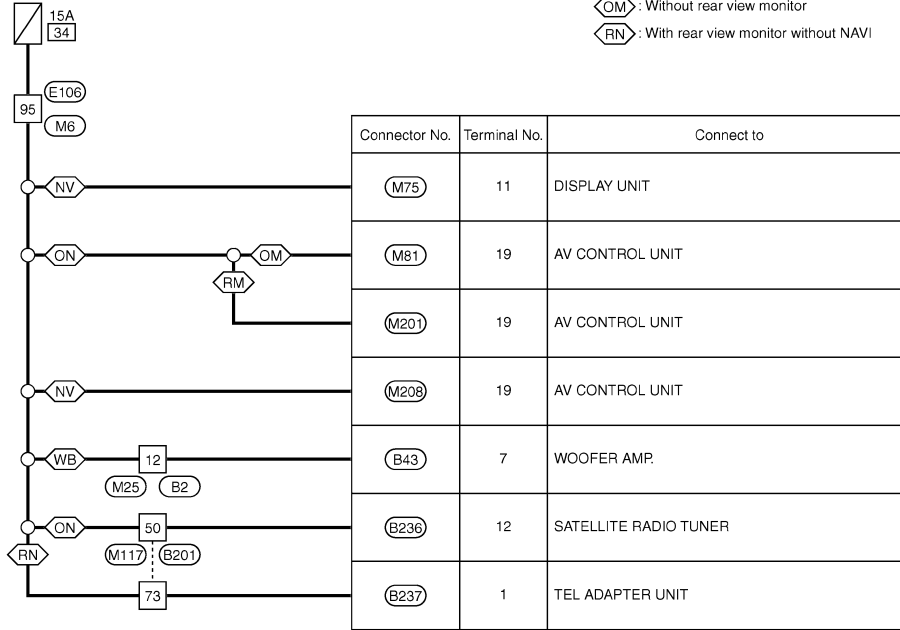
[POWER SUPPLY & GROUND CIRCUIT]

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

INFOID:000000005660557

### BATTERY POWER SUPPLY FUSE No. 34

-  : With BOSE system
-  : With NAVI
-  : Without NAVI
-  : With rear view monitor
-  : Without rear view monitor
-  : With rear view monitor without NAVI



2009/11/05

JCMWM6059GI

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# POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

## BATTERY POWER SUPPLY FUSE No. 34

Connector No.	B2
Connector Name	WIRE TO WIRE
Connector Type	NS16FW-CS



2	4	6	8	10	12	14	16
1	3	5	7	9	11	13	15

Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	W	-
3	V	-
4	LG	-
5	L	-
6	BG	-
7	B	-
8	Y	-
9	GR	-
10	R	-
11	G	-
12	W	-
13	BR	-
14	R	-
15	G	-
16	W	-

Connector No.	B43
Connector Name	WOOFER AMP.
Connector Type	NS12FW-CS



5	4	3	2	1
12	11	10	9	8
7	6	5	4	3
2	1	0	9	8

Terminal No.	Color of Wire	Signal Name [Specification]
1	G	SOUND SIGNAL REAR WOOFER RH (+)
2	R	SOUND SIGNAL REAR WOOFER RH (-)
3	GR	WOOFER AMP. ON SIGNAL
4	B	SOUND SIGNAL REAR WOOFER LH (-)
5	W	SOUND SIGNAL REAR WOOFER LH (+)
6	Y	BATTERY
7	Y	SOUND SIGNAL REAR WOOFER (+)
8	SB	SOUND SIGNAL REAR WOOFER (-)
9	V	SOUND SIGNAL REAR WOOFER (-)
10	B	GND

Connector No.	B201
Connector Name	WIRE TO WIRE
Connector Type	TH86FW-CS16-TM4



16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2

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

Connector No.	B236
Connector Name	SATELLITE RADIO TUNER
Connector Type	A16FW



2	4	6	8	10	12	14	16
1	3	5	7	9	11	13	15

Terminal No.	Color of Wire	Signal Name [Specification]
1	G	SATELLITE RADIO SOUND SIGNAL LH (-)
2	R	SATELLITE RADIO SOUND SIGNAL LH (+)
3	W	SATELLITE RADIO SOUND SIGNAL RH (-)
4	B	SATELLITE RADIO SOUND SIGNAL RH (+)
5	SHIELD	SHIELD
6	SHIELD	SHIELD
7	Y	REQUEST (SAT->CONT)
8	O	COMM (SAT->CONT)
9	BR	COMM (CONT->SAT)
10	SB	BATTERY
11	B	GND
12	V	ACC

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



2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32
1	3	5	7	9	11	13	15	17	19	21	23	25	27	29	31

Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	BATTERY
2	LG	ACC
3	BG	IGNITION
4	B	GND
5	SHIELD	SHIELD
6	R	MICROPHONE SIGNAL
7	R	MICROPHONE GND
8	SHIELD	MICROPHONE GND
9	Y	TEL VOICE SIGNAL (+)
10	G	TEL VOICE SIGNAL (-)
11	B	GND

22	B	CONTROL SIGNAL
24	B	CONTROL SIGNAL
28	P	VEHICLE SPEED (8-PULSE)
29	G	MICROPHONE VCC

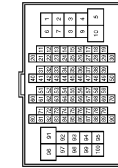
# POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

## BATTERY POWER SUPPLY FUSE No. 34

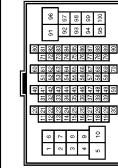
Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	THE80FN-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	
3	EG	
5	G	
6	EG	
7	LG	
10	W	
11	V	
12	R	
13	L	
14	GR	
15	P	
16	W	
17	V	
18	BG	
19	GR	
20	LG	
30	R	
31	L	
32	BG	
33	P	
34	V	
35	RR	
36	W	
37	Y	
38	R	
39	B	
40	G	
41	W	
42	LG	
43	SB	
44	GR	
45	BG	
46	LG	
47	V	
48	P	
49	L	
58	B	
66	LG	

67	SB	
68	R	
69	W	
70	G	
80	W	
81	P	
82	G	
83	V	
84	L	
85	BG	
86	LG	
87	Y	
88	GR	
89	W	
91	G	
93	GR	
95	Y	
96	Y	
97	BR	
98	SHIELD	
99	L	
100	P	

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	THE80MW-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	EG	
3	R	
5	G	
6	L	
7	W	
10	W	
11	V	
12	R	
13	L	
14	GR	
15	P	
16	W	
17	BR	
18	BG	

19	L	
20	L	
30	R	
31	SB	
32	Y	
33	BG	
34	R	
35	BR	
36	SB	
37	Y	
38	LG	
39	SB	
40	P	
41	W	
42	LG	
43	R	
44	Y	
45	P	
46	G	
47	V	
48	P	
49	L	
59	B	
66	GR	
67	P	
68	L	
69	W	
70	BR	
80	L	
81	R	
82	V	
83	W	
84	L	
85	BG	
86	W	
87	G	
88	B	
89	SB	
91	L	
93	Y	
95	Y	
96	R	
97	P	
98	SHIELD	
99	V	
100	SB	

Connector No.	ME5
Connector Name	WIRE TO WIRE
Connector Type	NS3.6MP-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	
2	W	
3	BR	
4	GR	
5	L	
6	LG	
7	B	
12	Y	
13	SB	
14	R	
15	G	
16	W	

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

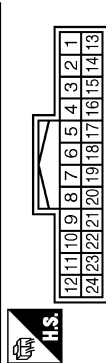
# POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

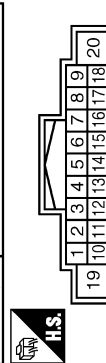
## BATTERY POWER SUPPLY FUSE No. 34

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



Terminal No.	Color of Wire	Signal Name [Specification]
6	SHIELD	SHIELD
7	B	SHIELD
8	G	CAMERA IMAGE SIGNAL
9	L	COMM.(DISP->CONT)
10	LG	COMM.(CONT->DISP)
11	Y	BATTERY
12	B	GND
16	BR	COMPOSITE IMAGE SIGNAL
19	Y	COMPOSITE IMAGE GND
22	B	SHIELD
23	LG	ACC

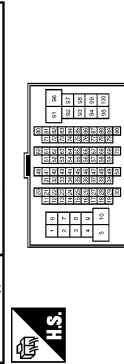
Connector No.	M81
Connector Name	AV CONTROL UNIT
Connector Type	TH18FW-CS2



Terminal No.	Color of Wire	Signal Name [Specification]
2	L	SOUND SIGNAL FRONT LH(+)
3	W	SOUND SIGNAL FRONT LH(-)
4	LG	SOUND SIGNAL REAR SPEAKER LH(+)
5	SB	SOUND SIGNAL REAR SPEAKER LH(-)
6	P	STRG SW A
7	V	ACC
8	B	GND
9	L	ILLUMINATION
11	BR	SOUND SIGNAL FRONT RH(+)
12	GR	SOUND SIGNAL FRONT RH(-)
13	L	SOUND SIGNAL REAR SPEAKER RH(+)

14	P	SOUND SIGNAL REAR SPEAKER RH (-)
15	B	STRG SW GND
16	L	STRG SW B
19	Y	BATTERY
20	B	GND

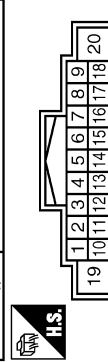
Connector No.	M117
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
4	R	
4	R	
5	Y	
6	L	
7	L	
8	LG	
10	R	
10	R	
40	W	
41	W	
42	B	
43	R	
44	G	
45	SHIELD	
46	G	
47	L	
48	P	
49	SHIELD	
50	Y	
73	Y	
74	G	
75	LG	
76	LG	
77	SB	
78	SB	
79	LG	
84	R	
85	V	
86	G	
87	SHIELD	
88	L	
89	P	
90	SHIELD	

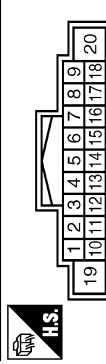
91	G	
92	G	
93	GR	
94	SB	
95	Y	
97	LG	
98	V	

Connector No.	M201
Connector Name	AV CONTROL UNIT
Connector Type	TH18FW-CS2



Terminal No.	Color of Wire	Signal Name [Specification]
2	L	SOUND SIGNAL FRONT LH(+)
3	W	SOUND SIGNAL FRONT LH(-)
4	LG	SOUND SIGNAL REAR LH(+)
5	SB	SOUND SIGNAL REAR LH(-)
6	P	STRG SW A
7	V	ACC
9	L	ILLUMINATION
11	BR	SOUND SIGNAL FRONT RH(+)
12	GR	SOUND SIGNAL FRONT RH(-)
13	L	SOUND SIGNAL REAR RH(+)
14	P	SOUND SIGNAL REAR RH(-)
15	B	STRG SW GND
16	L	STRG SW B
18	G	GND
18	Y	BATTERY
20	B	GND

Connector No.	M208
Connector Name	AV CONTROL UNIT
Connector Type	TH18FW-CS2



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	AMP_ON SIGNAL
2	O	SOUND SIGNAL FRONT LH(+)
3	W	SOUND SIGNAL FRONT LH(-)
4	V	SOUND SIGNAL REAR LH(+)
5	LG	SOUND SIGNAL REAR LH(-)
6	P	STRG SW A
7	V	ACC
10	B	SHIELD
11	R	SOUND SIGNAL FRONT RH(+)
12	G	SOUND SIGNAL FRONT RH(-)
13	BR	SOUND SIGNAL REAR RH(+)
14	Y	SOUND SIGNAL REAR RH(-)
15	B	STRG SW GND
16	L	STRG SW B
19	Y	BATTERY
20	B	GND



# POWER SUPPLY ROUTING CIRCUIT

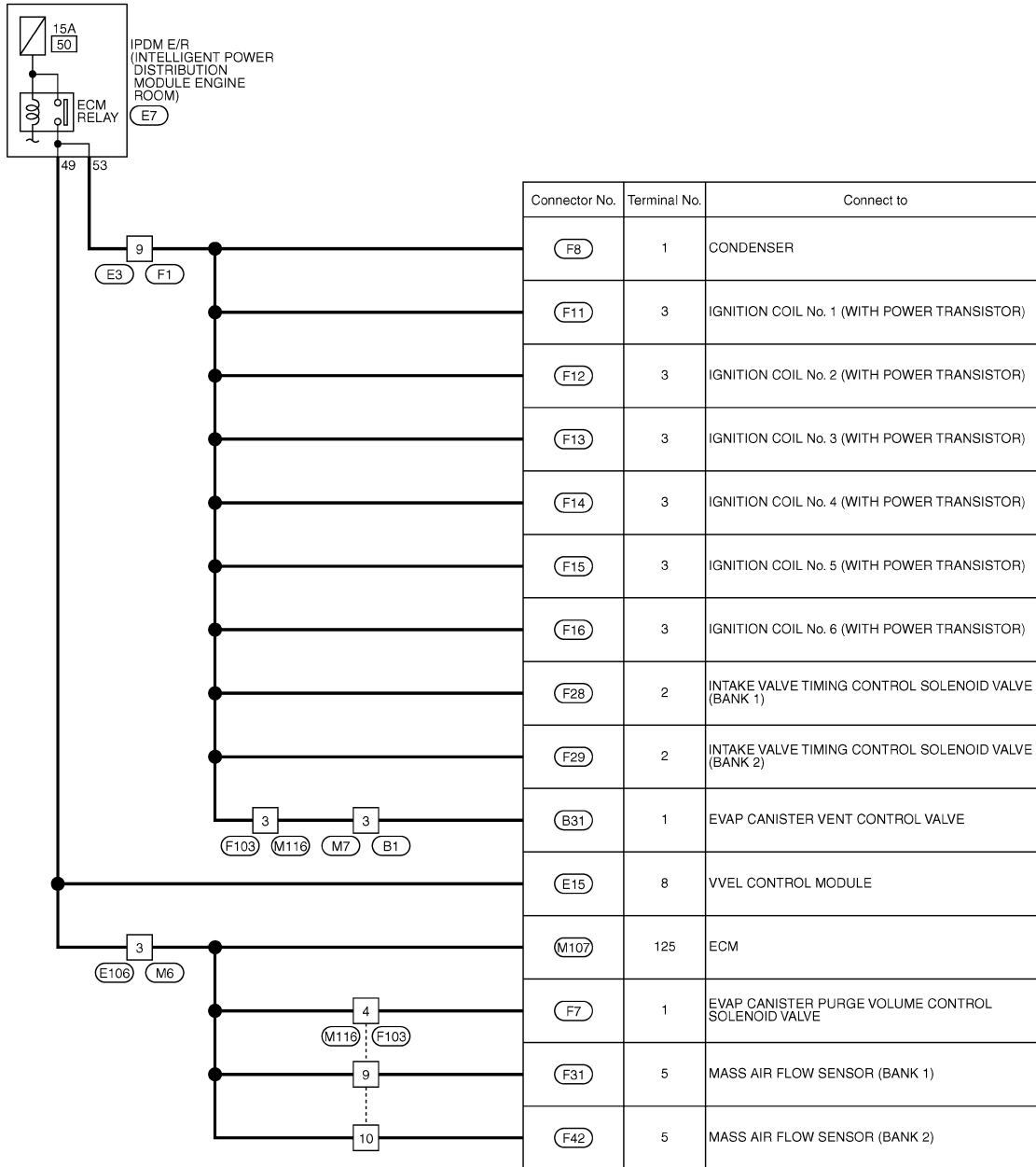
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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

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### BATTERY POWER SUPPLY FUSE No. 50



2009/11/05

JCMWM6063GI

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

PG

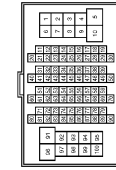
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BATTERY POWER SUPPLY FUSE No. 50

Connector No.	B1
Connector Name	WIRE TO WIRE
Connector Type	THB07V-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	BG	-
2	G	-
3	W	-
4	W	-
5	Y	-
6	SB	-
7	G	-
8	Y	-
9	GR	-
10	R	-
11	R	-
12	V	-
13	BR	-
14	V	-
15	BR	-
16	LG	-
17	W	-
18	W	-
19	W	-
20	L	-
21	P	-
22	L	-
23	P	-
24	L	-
25	L	-
26	P	-
27	P	-
28	LG	-
29	V	-
30	V	-
31	SB	-
32	SHIELD	-
33	W	-
34	BR	-
35	Y	-
36	SHIELD	-
37	P	-
38	L	-
39	L	-
40	L	-
41	L	-
42	L	-
43	L	-
44	L	-
45	SHIELD	-
46	R	-
47	G	-
48	SHIELD	-
49	SB	-
50	P	-
51	P	-
52	G	-
53	GR	-

Connector No.	V
Connector Name	-
Connector Type	-

54	V	-
55	LG	-
56	GR	-
57	SS	-
58	G	-
59	Y	-
60	L	-
61	L	-
62	BR	-
63	W	-
64	R	-
65	L	-
66	Y	-
67	SHIELD	-
71	V	-
72	GR	-
73	P	-
74	L	-
75	BR	-
76	SB	-
80	Y	-
81	R	-
82	B	-
83	W	-
84	W	-
85	V	-

Connector No.	B31
Connector Name	EVAP CANISTER VENT CONTROL VALVE
Connector Type	E02FB-RS



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

Connector No.	E3
Connector Name	WIRE TO WIRE
Connector Type	SAA38MF-RS8-SH28



Terminal No.	Color of Wire	Signal Name [Specification]
1	L/Y	-
2	SHIELD	-
3	L/B	-
4	SHIELD	-
5	BR	-
6	G	-
7	W	-
8	W	-
9	W	-
10	Y	-
11	P	-
12	SB	-
13	BR	-
14	G	-
15	R	-
16	LG	-
17	P	-
18	Y	-
19	BG	-
20	B	-
21	SB	-
22	W	-
23	L	-
24	L	-
25	V	-
26	V	-
27	GR	-
28	V	-
29	P	-
30	R	-
31	BR	-
32	Y	-
33	G	-
34	BG	-
37	SHIELD	-
38	L	-
39	P	-
40	R	-
41	W	-
42	LG	-

43	G	-
45	BG	-
46	SHIELD	-
47	W	-
48	BR	-
49	G	-
50	B	-
51	SB	-
52	R	-

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



Terminal No.	Color of Wire	Signal Name [Specification]
48	BR	-
49	BG	-
51	Y	-
53	W	-
54	P	-
55	SB	-
56	LG	-
57	G	-
58	GR	-
69	BR	-
70	BG	-
73	P	-
74	G	-
75	SB	-
76	Y	-
77	R	-
80	W	-

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

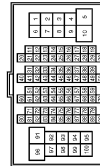
[POWER SUPPLY & GROUND CIRCUIT]

## BATTERY POWER SUPPLY FUSE No. 50

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



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	VMOT L
2	L/B	MOTOR L1
3	G	VEL/S-R1
4	W	AGND 1
5	R	VEL/S-L1
6	B	AGND 2
7	SB	AVCC 3
8	BG	VB
9	LG	AVCC 1
11	G	CAN H
12	G	MOTOR R 1
13	W	V-MOT (R)
14	B/W	PGND L
15	L/Y	MOTOR L 2
16	R	VEL S-R2
17	L	AGND 2
18	G	VEL S-L2
19	W	AGND 4
20	BR	AVCC 4
21	V	ABORT
22	P	AVCC 2
23	Y	M-RLY
24	L	CAN L
25	BR	MOTOR R 2

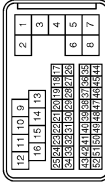


Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4

Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	
3	BG	
5	BG	
6	BG	
7	LG	
10	W	
11	V	
12	R	
13	L	
14	GR	
15	P	
16	W	
17	V	
18	BG	
19	GR	
20	LG	
30	R	
31	L	
32	BG	
33	P	
34	V	
35	BR	
36	W	
37	Y	
38	R	
39	B	
40	G	
41	W	
42	LG	
43	SB	
44	GR	
45	BG	
46	LG	
47	V	
48	P	
49	L	
59	B	
66	LG	
67	SB	
68	R	
69	W	
70	G	
80	W	
81	P	
82	G	
83	V	
84	L	
85	BG	
86	LG	
87	Y	

88	GR	
89	W	
91	G	
93	GR	
95	Y	
96	Y	
97	BR	
98	SHIELD	
99	L	
100	P	

Connector No.	F1
Connector Name	WIRE TO WIRE
Connector Type	SAA38FB-RS8-SHZ8



Terminal No.	Color of Wire	Signal Name [Specification]
1	L/Y	
2	SHIELD	
3	L/B	
4	SHIELD	
5	BR	
7	G	
8	W	
9	W	
10	G	
11	R	
12	P	
13	L	
14	LG	
15	R	
16	Y	
17	W	
18	LG	
19	P	
20	O	
21	BR	
22	G	
23	Y	
24	LG	
25	V	
27	GR	
28	BR	

29	L	
30	R	
31	P	
32	W	
33	SB	
34	O	
37	SHIELD	
38	W	
39	Y	
40	G	
41	B	
42	GR	
43	R	
45	O	
46	SHIELD	
47	W/L	
48	LG	
49	O/L	
50	L/Y	
51	W	
52	L/G	

Connector No.	F7
Connector Name	EVAP CANISTER PURGE VOLUME CONTROL SOLENOID VALVE
Connector Type	EQ2FL-RS-LGY



Terminal No.	1	2
Color of Wire	R	GR
Signal Name [Specification]		

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

PG

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BATTERY POWER SUPPLY FUSE No. 50

Connector No.	F8
Connector Name	CONDENSER
Connector Type	M02FW-LC



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

Connector No.	F11
Connector Name	IGNITION COIL No. 1 (WITH POWER TRANSISTOR)
Connector Type	E03FGY-RS



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	B	-
3	W	-

Connector No.	F12
Connector Name	IGNITION COIL No. 2 (WITH POWER TRANSISTOR)
Connector Type	E03FGY-RS



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

Connector No.	F13
Connector Name	IGNITION COIL No. 3 (WITH POWER TRANSISTOR)
Connector Type	E03FGY-RS

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



Connector No.	F14
Connector Name	IGNITION COIL No. 4 (WITH POWER TRANSISTOR)
Connector Type	E03FGY-RS

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

Connector No.	F14
Connector Name	IGNITION COIL No. 4 (WITH POWER TRANSISTOR)
Connector Type	E03FGY-RS



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
2	B	-
3	W	-

Connector No.	F15
Connector Name	IGNITION COIL No. 5 (WITH POWER TRANSISTOR)
Connector Type	E03FGY-RS



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	-
2	B	-
3	W	-

Connector No.	F16
Connector Name	IGNITION COIL No. 6 (WITH POWER TRANSISTOR)
Connector Type	E03FGY-RS



Terminal No.	Color of Wire	Signal Name [Specification]
1	SB	-
2	B	-
3	W	-

Connector No.	F28
Connector Name	INFAIR VALVE TIMING CONTROL SOLENOID VALVE BANK
Connector Type	E02FG-RS-LGY



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

1	W	-
2	R	-

Connector No.	F29
Connector Name	INFAIR VALVE TIMING CONTROL SOLENOID VALVE BANK
Connector Type	E02FG-RS-LGY



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

Connector No.	F31
Connector Name	MASS AIR FLOW SENSOR (BANK 1)
Connector Type	RH08FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
2	P	-
3	SB	-
4	LG	-
5	Y	-

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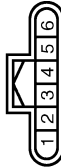
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BATTERY POWER SUPPLY FUSE No. 50

Connector No.	F42
Connector Name	MASS AIR FLOW SENSOR (BANK 2)
Connector Type	RH08FB



Terminal No.	Color of Wire	Signal Name [Specification]
3	BR	-
4	Y	-
5	GR	-

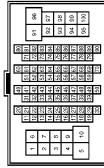
Connector No.	F103
Connector Name	WIRE TO WIRE
Connector Type	TK36FW-MS10



Terminal No.	Color of Wire	Signal Name [Specification]
2	G	-
3	W	-
4	R	-
5	B	-
9	Y	-
10	GR	-
19	O	-
20	Y	-
28	B	-
29	LG	-
30	R	-
31	R	-
33	B	-
34	B	-
35	L	-
36	P	-
37	Y	-
38	G	-
41	O	-

42	BR	-	-
43	P	-	-
44	L	-	-
45	G	-	-
46	V	-	-

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



Terminal No.	Color of Wire	Signal Name [Specification]
1	EG	-
3	R	-
5	G	-
6	L	-
7	W	-
10	W	-
11	V	-
12	R	-
13	L	-
14	GR	-
15	P	-
16	W	-
17	BR	-
18	EG	-
19	L	-
20	L	-
30	R	-
31	SB	-
32	Y	-
33	EG	-
34	R	-
35	BR	-
36	SB	-
37	Y	-
38	LG	-
39	SB	-
40	P	-
41	W	-
42	LG	-
43	R	-
44	Y	-

44	P	-	-	[With M/T]
45	EG	-	-	-
46	G	-	-	-
47	V	-	-	-
48	P	-	-	-
49	L	-	-	-
59	B	-	-	-
66	GR	-	-	-
67	P	-	-	-
69	L	-	-	-
70	BR	-	-	-
80	L	-	-	-
81	R	-	-	-
82	V	-	-	-
83	W	-	-	-
84	L	-	-	-
85	EG	-	-	-
86	W	-	-	-
87	G	-	-	-
88	B	-	-	-
89	SB	-	-	-
91	L	-	-	-
93	Y	-	-	-
95	Y	-	-	-
96	R	-	-	-
97	P	-	-	-
98	SHIELD	-	-	-
99	V	-	-	-
100	SB	-	-	-

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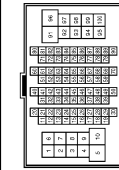
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BATTERY POWER SUPPLY FUSE No. 50

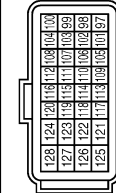
Connector No.	M7
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	BG	-
2	LG	-
3	BG	-
5	Y	-
6	P	-
7	G	-
8	L	-
9	V	-
10	R	-
14	R	-
15	BR	-
16	P	-
17	V	-
20	L	-
21	P	-
22	L	-
23	P	-
31	L	-
32	P	-
33	LG	-
34	SB	-
35	V	-
36	LG	-
37	SHIELD	-
38	GR	-
40	BR	-
41	Y	-
42	SHIELD	-
43	O	-
44	W	-
45	SHIELD	-
46	R	-
47	G	-
48	SHIELD	-
49	SB	-
51	W	-
52	B	-
53	SB	-

54	V	-
55	Y	-
56	L	-
57	W	-
58	BG	-
60	L	-
61	G	-
62	B	-
63	G	-
64	R	-
65	W	-
66	Y	-
67	SHIELD	-
71	R	-
72	LG	-
73	SB	-
74	V	-
75	LG	-
76	P	-
80	P	-
81	W	-
82	BR	-
95	BG	-

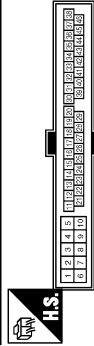
Connector No.	M107
Connector Name	ECM
Connector Type	RR42FGY-RZ8-R-LH-Z



Terminal No.	Color of Wire	Signal Name [Specification]
97	R	APS 1
98	P	APS 2
99	L	AVCC I-APS 1
100	W	GND-APS 1
101	SB	ASCDSW
102	W	FTPRS
103	GR	AVCC 2-APS 2
104	V	GND-APS 2
105	L	PDPPRESS
106	W	TF
107	BG	AVCC-FDPRES
108	Y	GND ASCDSW
109	G	NEUT-H

110	R	TACHO
112	L	GND-PPRES
113	P	VEHCAN-L1
114	L	VEHCAN-H1
117	V	KLINE
121	LG	GDCV
123	B	BRAKE
124	B	GND
125	R	VBR
126	BR	ENCSW
127	B	GND
128	B	GND

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



Terminal No.	Color of Wire	Signal Name [Specification]
2	W	-
3	BG	-
4	P	-
5	B	-
9	R	-
10	R	-
19	BG	-
20	Y	-
26	B	-
29	LG	-
30	BR	-
31	W	-
33	B	-
34	B	-
35	L	-
36	P	-
37	V	-
38	SB	-
41	BG	-
42	G	-
43	P	-
44	L	-
45	Y	-

46	V	-
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# POWER SUPPLY ROUTING CIRCUIT

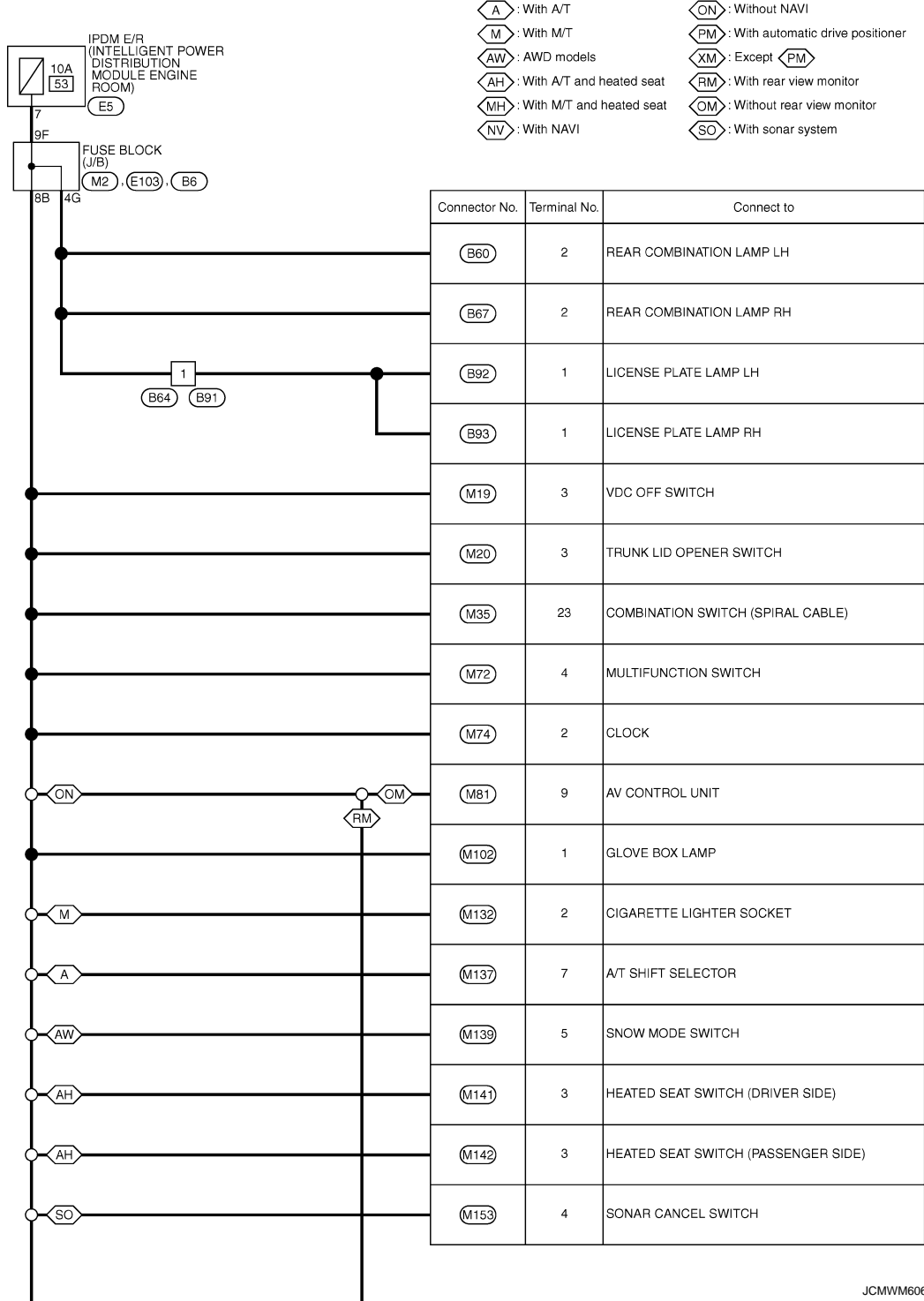
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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

INFOID:000000005660559

### BATTERY POWER SUPPLY FUSE No. 53



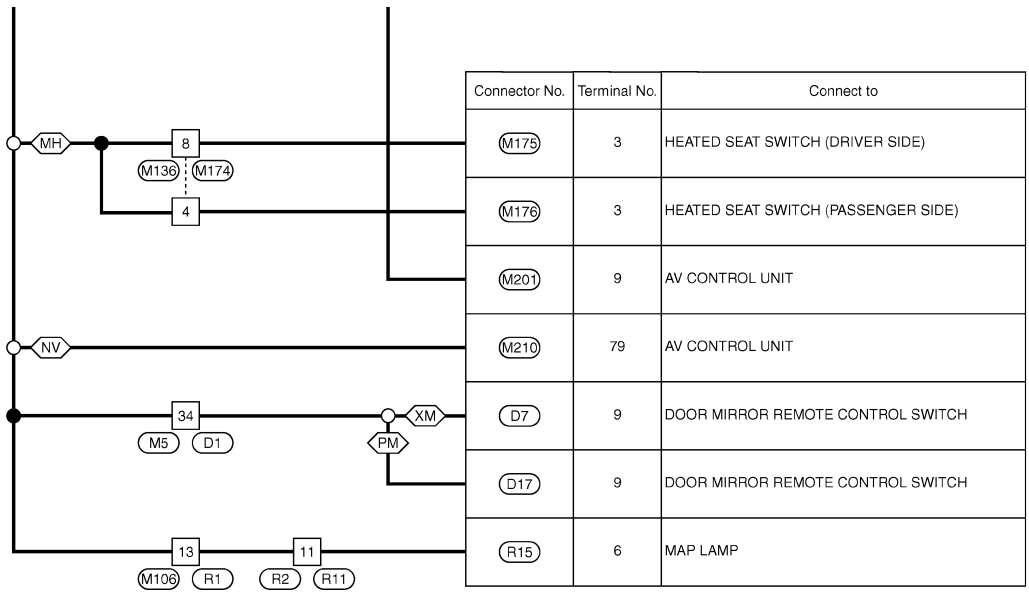
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# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]



2009/11/05

JCMWM6070G



# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

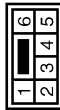
## BATTERY POWER SUPPLY FUSE No. 53

Connector No.	B6
Connector Name	FUSE BLOCK (J/B)
Connector Type	MS12FBR-CS



Terminal No.	Color of Wire	Signal Name [Specification]
4G	R	-
5G	LG	-
6G	G	-
10G	W	-
11G	W	-
12G	Y	-

Connector No.	B60
Connector Name	REAR COMBINATION LAMP LH
Connector Type	NS08MW-CS



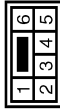
Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	R	-
3	B	-
4	LG	-
5	GR	-
6	BG	-

Connector No.	B64
Connector Name	WIRE TO WIRE
Connector Type	RK02FCY



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

Connector No.	B67
Connector Name	REAR COMBINATION LAMP RH
Connector Type	NS08MW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
2	R	-
3	B	-
4	V	-
5	BG	-

Connector No.	B61
Connector Name	WIRE TO WIRE
Connector Type	RK02ZMGY



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

Connector No.	B92
Connector Name	LICENSE PLATE LAMP LH
Connector Type	RV02FBR



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

Connector No.	B93
Connector Name	LICENSE PLATE LAMP RH
Connector Type	RV02FBR



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

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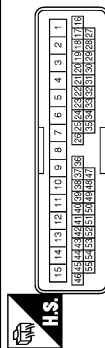
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

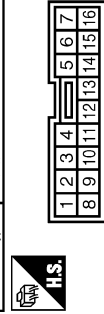
## BATTERY POWER SUPPLY FUSE No. 53

Connector No.	D1
Connector Name	WIRE TO WIRE
Connector Type	TH40PW-CS15



51	R	-
52	L	-
53	O	-
54	GR	-
55	G	-

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



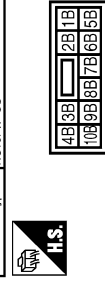
11	LG	-
12	G	-
13	W	-
15	Y	-

Connector No.	E5
Connector Name	SPRINKLER INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	TH40PW-CS12-MA-1V



1F	SB	-
2F	V	-
4F	G	-
6F	BG	-
8F	L	-
9F	R	-

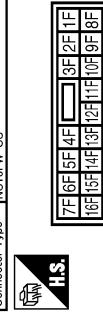
Connector No.	M2
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS10FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1B	SB	-
3B	P	-
4B	G	-
5B	BG	-
6B	Y	-
7B	L	-
8B	R	-
9B	SB	-

Terminal No.	Color of Wire	Signal Name [Specification]
4	V	-
5	L	-
7	R	-
11	BR	-
12	B/W	-
13	Y	-
16	LG	-
19	W	-
25	G	-
26	R	-
27	BG	-
28	L	-
30	GR	-
32	V	-
33	P	-
36	G	-

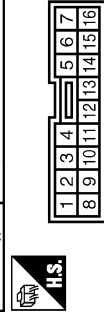
Connector No.	E103
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS10FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
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Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
7	V	-
8	B	-
9	R	-
10	Y	-
12	G	-
13	GR	-
14	P	-
15	O	-
16	BR	-

Connector No.	D17
Connector Name	DOOR MIRROR REMOTE CONTROL SWITCH
Connector Type	TK16FBR



Terminal No.	Color of Wire	Signal Name [Specification]
4	BR	-
7	B	-
8	B	-
9	R	-
10	GR	-

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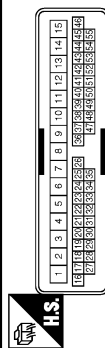
# POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

## BATTERY POWER SUPPLY FUSE No. 53

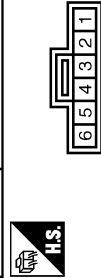
Connector No.	M5
Connector Name	WIRE TO WIRE
Connector Type	TH40MW-CS15



Terminal No.	Color of Wire	Signal Name [Specification]
5	B	-
6	BG	-
7	W	-
8	B	-
9	G	-
10	V	-
11	W	-
12	L	-
13	B	-
14	V	-
15	Y	-
21	W	-
22	P	-
23	BG	-
24	LG	-
25	L	-
26	R	-
27	W	-
28	LG	-
29	GR	-
30	G	-
31	V	-
32	BR	-
33	SB	-
34	GR	-
35	L	-
37	B	-
38	G	-
39	L	-
40	Y	-
43	SB	-
44	Y	-
45	GR	-
46	W	-
47	V	-
48	LG	-
49	R	-
50	SB	-

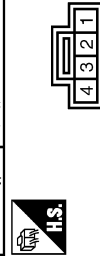
51	LG	-
52	L	-
53	W	-
54	V	-
55	P	-

Connector No.	M19
Connector Name	VDC OFF SWITCH
Connector Type	TK08FGY



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
2	B	-
3	W	-
4	B	-

Connector No.	M20
Connector Name	TRUNK LID OPENER SWITCH
Connector Type	TK04FW



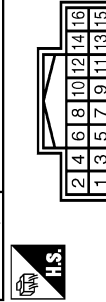
Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
2	B	-
3	L	-
4	R	-

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



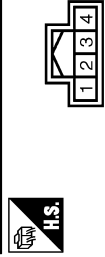
Terminal No.	Color of Wire	Signal Name [Specification]
23	R	-
28	Y	-
29	Y	-
30	Y	-

Connector No.	M72
Connector Name	MULTIFUNCTION SWITCH
Connector Type	TH18FW-NH



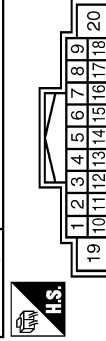
Terminal No.	Color of Wire	Signal Name [Specification]
1	B	GND
2	V	ACC
4	BG	ILL
5	B	ILL CONT
6	SB	AV COMM (H)
8	LG	AV COMM (L)
9	BR	SW GND
14	LG	DISK EJECT SIGNAL
16	G	HAZARD ON

Connector No.	M74
Connector Name	CLOCK
Connector Type	TH08FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	ILLUMINATION (-)
2	R	ILLUMINATION (+)
3	B	GND
4	Y	BAT

Connector No.	M81
Connector Name	AV CONTROL UNIT
Connector Type	TH18FW-CS2



Terminal No.	Color of Wire	Signal Name [Specification]
2	L	SOUND SIGNAL FRONT LH (+)
3	W	SOUND SIGNAL FRONT LH (-)
4	LG	SOUND SIGNAL REAR SPEAKER LH (+)
5	SB	SOUND SIGNAL REAR SPEAKER LH (-)
6	P	STRG SW A
7	V	ACC
8	B	GND
9	L	ILLUMINATION
11	BR	SOUND SIGNAL FRONT RH (+)
12	GR	SOUND SIGNAL FRONT RH (-)
13	L	SOUND SIGNAL REAR SPEAKER RH (+)
14	P	SOUND SIGNAL REAR SPEAKER RH (-)
15	B	STRG SW GND
16	L	STRG SW B
19	Y	BATTERY
20	B	GND

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# POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

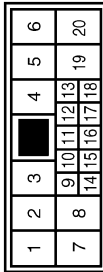
## BATTERY POWER SUPPLY FUSE No. 53

Connector No.	M102
Connector Name	GLOVE BOX LAMP
Connector Type	AG2FW



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

Connector No.	M108
Connector Name	WIRE TO WIRE
Connector Type	NH10MW-CS10



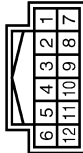
Terminal No.	Color of Wire	Signal Name [Specification]
2	L	-
3	SHIELD	-
4	G	-
5	BR	-
6	P	-
7	Y	-
8	GR	-
9	LG	-
10	V	-
11	P	-
12	B	-
13	P	-
15	R	-
16	G	-
17	SHIELD	-
18	B	-
19	SB	-
20	R	-

Connector No.	M132
Connector Name	CIGARETTE LIGHTER SOCKET
Connector Type	NS30FW-CS



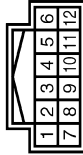
Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
2	R	-
3	L	-

Connector No.	M136
Connector Name	WIRE TO WIRE
Connector Type	TH12FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	V	-
3	G	-
4	P	-
5	B	-
6	W	-
7	B	-
8	V	-
9	W	-
10	GR	-
11	B	-
12	SB	-

Connector No.	M137
Connector Name	A-7 SHIFT SELECTOR
Connector Type	TH12FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	V	-
3	L	-
4	BR	-
5	G	-
7	V	-
8	SB	-
9	B	-
10	GR	-
11	P	-

Connector No.	M139
Connector Name	SNOW MODE SWITCH
Connector Type	TK08FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	B	-
4	L	-
5	G	-
6	B	-

Connector No.	M141
Connector Name	HEATED SEAT SWITCH (DRIVER SIDE)
Connector Type	TK10FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	V	-
3	V	-
4	W	-
5	G	-
6	B	-

Connector No.	M142
Connector Name	HEATED SEAT SWITCH (PASSENGER SIDE)
Connector Type	TK08FBR



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
2	SR	-
3	P	-
4	B	-
5	W	-
6	B	-

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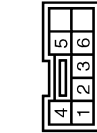
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

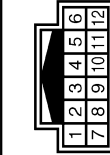
## BATTERY POWER SUPPLY FUSE No. 53

Connector No.	M153
Connector Name	SONAR CANCEL SWITCH
Connector Type	TK08FW



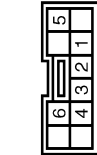
Terminal No.	Color of Wire	Signal Name [Specification]
1	P	-
2	B	-
3	B	-
4	R	-
5	G	-
6	B	-

Connector No.	M174
Connector Name	WIRE TO WIRE
Connector Type	TH12MW-NH



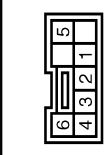
Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	GR	-
3	W	-
4	G	-
5	O	-
6	P	-
7	B	-
8	R	-
9	LG	-
10	Y	-
11	V	-
12	SB	-

Connector No.	M175
Connector Name	HEATED SEAT SWITCH (DRIVER SIDE)
Connector Type	TK10PW



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	GR	-
3	R	-
4	LG	-
5	W	-
6	B	-

Connector No.	M176
Connector Name	HEATED SEAT SWITCH (PASSENGER SIDE)
Connector Type	TK08FBR



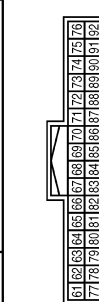
Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	SB	-
3	G	-
4	O	-
5	P	-
6	V	-

Connector No.	M201
Connector Name	AV CONTROL UNIT
Connector Type	TH18PW-CS2



Terminal No.	Color of Wire	Signal Name [Specification]
2	L	SOUND SIGNAL FRONT LH (+)
3	W	SOUND SIGNAL FRONT LH (-)
4	LG	SOUND SIGNAL REAR LH (+)
5	SB	SOUND SIGNAL REAR LH (-)
6	P	STRG SW A
7	V	SC0
9	L	ILLUMINATION
11	BR	SOUND SIGNAL FRONT RH (+)
12	GR	SOUND SIGNAL FRONT RH (-)
13	L	SOUND SIGNAL REAR RH (+)
14	P	SOUND SIGNAL REAR RH (-)
15	B	STRG SW GND
16	L	STRG SW B
18	G	GND
19	Y	BATTERY
20	B	GND

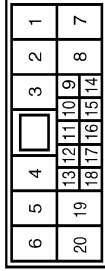
Connector No.	M210
Connector Name	AV CONTROL UNIT
Connector Type	TH22PW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
65	SB	PARKING BRAKE
67	Y	COMPOSITE IMAGE SIGNAL GND
68	BR	COMPOSITE IMAGE SIGNAL
71	SHIELD	MICROPHONE GND
72	G	MICROPHONE VCC
73	LG	COMM (CONT->DBSP)

74	P	CAN-L
75	LG	AV COMM (L)
76	LC	AV COMM (L)
79	L	ILLUMINATION
80	R	IGNITION
81	EG	REVERSE
82	GR	VEHICLE SPEED (8-PUL/SE)
83	SHIELD	SHIELD
87	R	MICROPHONE SIGNAL
88	B	SHIELD
89	L	COMM (DISP->CONT)
90	L	CAN-H
91	SB	AV COMM (H)
92	SB	AV COMM (H)

Connector No.	RT
Connector Name	WIRE TO WIRE
Connector Type	NH10PW-CS10



Terminal No.	Color of Wire	Signal Name [Specification]
2	L	- [With 4WAS]
3	SHIELD	- [Without 4WAS]
4	G	-
5	BR	-
6	Y	-
7	G	-
8	BR	-
9	R	-
10	V	-
11	B	-
12	B	-
13	Y	-
15	O	-
16	W	-
17	SHIELD	-
18	B	-
19	Y	-
20	R	-

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

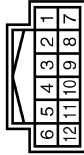
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

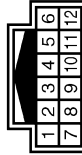
## BATTERY POWER SUPPLY FUSE No. 53

Connector No.	R2
Connector Name	WIRE TO WIRE
Connector Type	TH12FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
2	B	-
3	SHIELD	-
4	O	-
5	W	-
6	B	-
7	B	-
8	GR	-
9	V	-
11	Y	-
12	R	-

Connector No.	R11
Connector Name	WIRE TO WIRE
Connector Type	TH12MW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	BR	-
3	SHIELD	-
4	W	-
5	R	-
6	B	-
7	O	-
8	G	-
9	GR	-
11	L	-
12	P	-

Connector No.	R15
Connector Name	MAP LAMP
Connector Type	TK08FGY



Terminal No.	Color of Wire	Signal Name [Specification]
1	P	-
2	GR	-
3	B	-
5	Y	-
6	L	-

JCMWM6076G

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

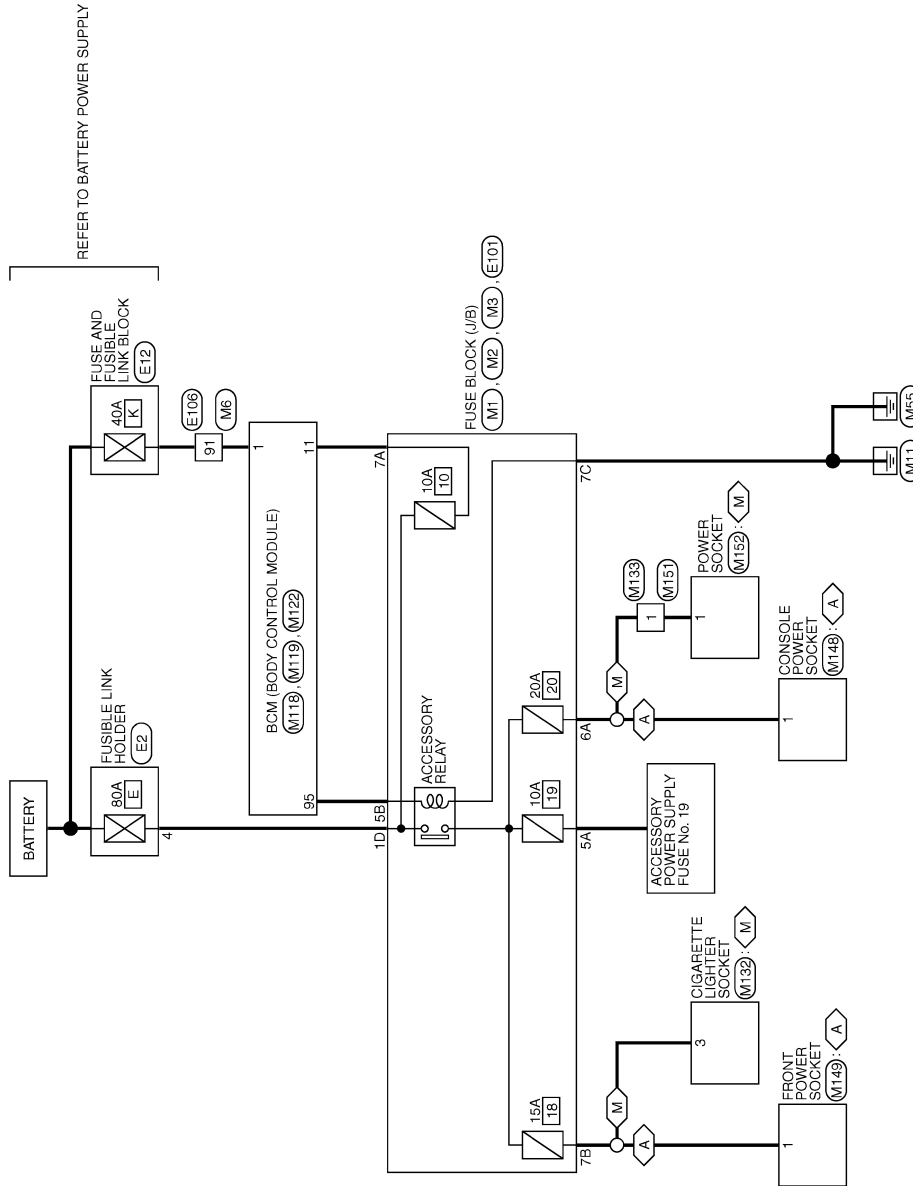
[POWER SUPPLY & GROUND CIRCUIT]

## Wiring Diagram - ACCESSORY POWER SUPPLY -

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### ACCESSORY POWER SUPPLY

◊ A ◊ : With A/T  
◊ W ◊ : With M/T



REFER TO BATTERY POWER SUPPLY

2009/11/05

JCMWM6077G

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

PG

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## ACCESSORY POWER SUPPLY

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



4	3
---	---

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

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



1D
----

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

Connector No.	E108
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	
3	BG	
5	G	

6	BG	-	-
7	LG	-	-
10	W	-	-
11	V	-	-
12	R	-	-
13	L	-	-
14	GR	-	-
15	P	-	-
16	W	-	-
17	V	-	-
18	BG	-	-
19	GR	-	-
20	LG	-	-
30	R	-	-
31	L	-	-
32	BG	-	-
33	P	-	-
34	V	-	-
35	BR	-	-
36	W	-	-
37	Y	-	-
38	R	-	-
39	B	-	-
40	G	-	-
41	W	-	-
42	LG	-	-
43	SR	-	-
44	GR	-	-
45	BG	-	-
46	LG	-	-
47	V	-	-
48	P	-	-
49	L	-	-
59	B	-	-
66	LG	-	-
67	SR	-	-
68	R	-	-
69	W	-	-
70	G	-	-
80	W	-	-
81	P	-	-
82	G	-	-
83	V	-	-
84	L	-	-
85	BG	-	-
86	LG	-	-
87	Y	-	-
88	GR	-	-
89	W	-	-
91	G	-	-
93	GR	-	-
95	Y	-	-

96	Y	-	-
97	BR	-	-
98	SHIELD	-	-
99	E	-	-
100	P	-	-

Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS08FW-M2



3A	2A	1A
8A	7A	6A
5A	4A	3A

Terminal No.	Color of Wire	Signal Name [Specification]
1A	V	-
2A	LG	-
3A	L	-
4A	SB	-
5A	L	-
6A	BR	-
7A	R	-
8A	L	-

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



4B	3B	2B	1B
10B	9B	8B	7B
6B	5B	4B	3B

Terminal No.	Color of Wire	Signal Name [Specification]
1B	SB	-
3B	P	-
4B	G	-
5B	BG	-
6B	Y	-
7B	L	-
8B	R	-

9B	SB	-	-
----	----	---	---



5C	4C	3C	2C	1C
10C	9C	8C	7C	6C

Terminal No.	Color of Wire	Signal Name [Specification]
6C	V	-
7C	B	-
8C	W	-
9C	BG	-
10C	L	-
11C	LG	-
12C	GR	-



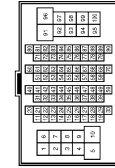
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## ACCESSORY POWER SUPPLY

Connector No.	M8
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS (F-TM4)



Terminal No.	Color of Wire	Signal Name [Specification]
1	BG	-
2	R	-
3	R	-
4	L	-
5	G	-
6	L	-
7	W	-
8	L	-
9	R	-
10	W	-
11	V	-
12	R	-
13	L	-
14	GR	-
15	P	-
16	W	-
17	BR	-
18	BG	-
19	L	-
20	L	-
30	R	-
31	SB	-
32	Y	-
33	BG	-
34	R	-
35	BR	-
36	SB	-
37	Y	-
38	LG	-
39	SB	-
40	P	-
41	W	-
42	LG	-
43	R	-
44	Y	- [With A/T] - [With M/T]
45	BG	-
46	G	-
47	V	-
48	P	-
49	L	-
58	B	-

66	GR	-
67	P	-
68	L	-
69	W	-
70	BR	-
80	L	-
81	R	-
82	V	-
83	W	-
84	L	-
85	BG	-
86	W	-
87	G	-
88	B	-
89	SB	-
91	L	-
93	Y	-
95	Y	-
96	R	-
97	P	-
98	SHIELD	-
99	V	-
100	SB	-

Connector No.	M11B
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	M03FB-LC



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	BAT (F/L)
2	Y	POWER WINDOW POWER SUPPLY (BAT)
3	BG	POWER WINDOW POWER SUPPLY (RAP)

Connector No.	M119
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	MS18FN-CS



Terminal No.	Color of Wire	Signal Name [Specification]
4	LG	INTERIOR ROOM LAMP POWER SUPPLY
5	P	PASSENGER DOOR UNLOCK OUTPUT
7	SB	STEP LAMP OUTPUT
8	V	ALL DOOR FUEL LID LOCK OUTPUT
9	G	DRIVER DOOR FUEL LID UNLOCK OUTPUT
11	R	BAT (F/USE)
13	B	GND
14	W	PUSH-BUTTON IGNITION SW ILL GND
15	BG	ACC IND
17	W	TURN SIGNAL LH (FRONT)
18	BG	TURN SIGNAL RH (FRONT)
19	V	ROOM LAMP TIMER CONTROL

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



Terminal No.	Color of Wire	Signal Name [Specification]
72	R	ROOM ANT 2-
73	G	ROOM ANT 2+
74	SB	PASSENGER DOOR ANT-
75	BR	PASSENGER DOOR ANT+
76	V	DRIVER DOOR ANT-
77	LG	DRIVER DOOR ANT+
78	Y	ROOM ANT 1-
79	BR	ROOM ANT 1+
80	GR	NATS ANT AMP
81	W	NATS ANT AMP

82	V	IGN RELAY (F/B) CONT
83	Y	KEYLESS ENTRY RECEIVER COMM
87	Y	COMBI SW INPUT 3
88	GR	COMBI SW INPUT 3
90	BR	PUSH SW
91	L	CAV-L
91	L	CAV-H
92	LG	KEY SLOT ILL ON IND
93	GR	ON IND
95	BG	ACC RELAY CONT
96	GR	A/T SHIFT SELECTOR POWER SUPPLY
97	L	S/L CONDITION 1
98	BG	S/L CONDITION 2
99	P	SHIFT P [With A/T]
99	R	ICC CLUTCH SW [M/T models with ICC]
99	R	ASCO CLUTCH SW [M/T models without ICC]
100	Y	PASSENGER DOOR REQUEST SW
101	R	DRIVER DOOR REQUEST SW
102	BG	BLOWER FAN MOTOR RELAY CONT
103	LG	KEYLESS ENTRY RECEIVER POWER SUPPLY
106	W	S/L UNIT POWER SUPPLY
107	LG	COMBI SW INPUT 1
108	R	COMBI SW INPUT 4
109	W	COMBI SW INPUT 2
110	G	HAZARD SW
111	Y	S/L UNIT COMM

Connector No.	M132
Connector Name	CIGARETTE LIGHTER SOCKET
Connector Type	NS303FW-CS



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

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## ACCESSORY POWER SUPPLY

Connector No.	M133
Connector Name	WIRE TO WIRE
Connector Type	M02PB-LC



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

Connector No.	M148
Connector Name	CONSOLE POWER SOCKET
Connector Type	P02PE-Z



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

Connector No.	M149
Connector Name	FRONT POWER SOCKET
Connector Type	P02PE-Z



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

Connector No.	M151
Connector Name	WIRE TO WIRE
Connector Type	M02MB-P-LC



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

Connector No.	M152
Connector Name	POWER SOCKET
Connector Type	P02PB-Z



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

JCMWM6080G

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

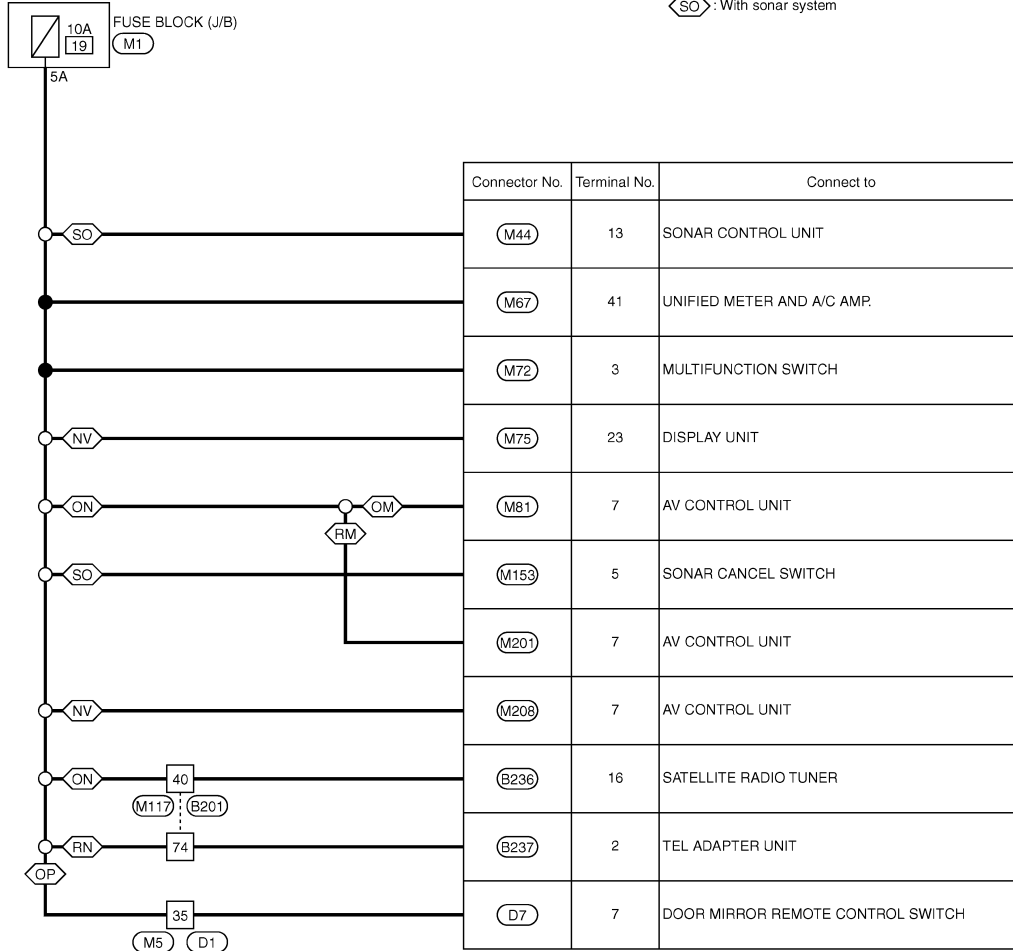
[POWER SUPPLY & GROUND CIRCUIT]

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

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### ACCESSORY POWER SUPPLY FUSE No. 19

- : With NAVI
- : Without NAVI
- : Without automatic drive positioner
- : With rear view monitor
- : Without rear view monitor
- : With rear view monitor without NAVI
- : With sonar system



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

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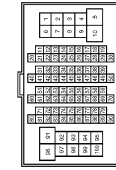
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## ACCESSORY POWER SUPPLY FUSE No. 19

Connector No.	B201
Connector Name	WIRE TO WIRE
Connector Type	TH40FW-CS16-TM4

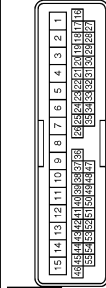


Connector No.	B236
Connector Name	SATELLITE RADIO TUNER
Connector Type	A16FW



22	B	CONTROL SIGNAL
24	B	CONTROL SIGNAL
28	P	VEHICLE SPEED (P-PULSE)
29	G	MICROPHONE VCC

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



45	P	-
46	W	-
47	V	-
48	P	-
49	W	-
50	SB	-
51	R	-
52	L	-
53	O	-
54	GR	-
55	G	-

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



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
7	V	-
8	B	-
9	R	-
10	Y	-
12	G	-
13	GR	-
14	P	-
15	O	-
16	BR	-

Terminal No.	Color of Wire	Signal Name [Specification]
1	G	SATELLITE RADIO SOUND SIGNAL LH (-)
2	R	SATELLITE RADIO SOUND SIGNAL LH (+)
3	W	SATELLITE RADIO SOUND SIGNAL RH (-)
4	B	SATELLITE RADIO SOUND SIGNAL RH (+)
5	SHIELD	SHIELD
6	SHIELD	SHIELD
8	Y	REQUEST (SAT->CONT)
9	O	COMM (SAT->CONT)
10	BR	COMM (CONT->SAT)
12	SB	BATTERY
15	B	GND
16	V	ACC

Connector No.	B237
Connector Name	TEL ADAPTER UNIT
Connector Type	TH432FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	BATTERY
2	LG	ACC
3	BG	IGNITION
4	B	GND
5	SHIELD	SHIELD
7	R	MICROPHONE SIGNAL
8	SHIELD	MICROPHONE GND
9	Y	TEL VOICE SIGNAL (+)
10	G	TEL VOICE SIGNAL (-)
14	B	GND

Terminal No.	Color of Wire	Signal Name [Specification]
4	BG	-
5	Y	-
6	R	-
7	V	-
8	LG	-
10	R	-
40	V	-
41	G	-
42	R	-
43	W	-
44	B	-
45	SHIELD	-
46	O	-
47	BR	-
48	Y	-
49	SHIELD	-
50	SB	-
73	GR	-
74	LG	-
75	BG	-
76	V	-
77	SB	-
78	L	-
79	P	-
84	R	-
85	P	-
86	G	-
87	SHIELD	-
88	Y	-
89	G	-
90	SHIELD	-
91	G	-
92	G	-
93	GR	-
94	BG	-
95	W	-
97	BR	-
98	V	-

JCMWM6082G

# POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

## ACCESSORY POWER SUPPLY FUSE No. 19

Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	HS2FW-MZ



3A	2A	1A
8A	7A	6A
5A	4A	3A

Terminal No.	Color of Wire	Signal Name [Specification]
1A	V	
2A	LG	
3A	L	
4A	SB	
5A	V	
6A	BR	
7A	R	
8A	L	

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



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
13	11	14	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

Terminal No.	Color of Wire	Signal Name [Specification]
5	B	
6	EG	
7	W	
8	B	
9	G	
10	V	
11	W	
12	L	
13	B	
14	V	
15	Y	
21	W	
22	P	
23	EG	

24	LG	
25	L	
26	R	
27	W	
28	LG	
29	GR	
30	G	
31	V	
32	BR	
33	SB	
34	GR	
35	L	
37	B	
38	G	
39	L	
40	Y	
43	SB	
44	Y	
45	GR	
46	W	
47	V	
48	LG	
49	R	
50	SB	
51	LG	
52	L	
53	W	
54	V	
55	P	

Connector No.	M44
Connector Name	SONAR CONTROL 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

Terminal No.	Color of Wire	Signal Name [Specification]
1	G	IGN
2	P	CANCEL SW SIGNAL
5	G	CORNER SENSOR SIGNAL REAR LH
6	B	CORNER SENSOR SIGNAL REAR RH
7	W	CENTER SENSOR SIGNAL REAR LH
8	R	CENTER SENSOR SIGNAL REAR RH
11	B	CANCEL SW INDICATOR

12	Y	SENSOR GND
13	L	ACC
17	EG	R RANGE SIGNAL
18	V	K LINE
19	SB	AV COMM (H)
20	LG	AV COMM (L)
24	B	GND

Connector No.	M67
Connector Name	UNIFIED METER AND A/C AMP.
Connector Type	TH22FW-NH



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

Terminal No.	Color of Wire	Signal Name [Specification]
41	L	ACC POWER SUPPLY
42	BR	FUEL LEVEL SENSOR SIGNAL
43	V	INTAKE SENSOR SIGNAL
44	LG	IN-VEHICLE SENSOR SIGNAL
45	V	AMBIENT SENSOR SIGNAL
46	GR	SUNLOAD SENSOR SIGNAL
47	W	GAS SENSOR SIGNAL
53	G	IGNITION POWER SUPPLY
54	Y	BATTERY POWER SUPPLY
55	B	GROUND
56	L	CAN-H
57	LG	BRAKE FLUID LEVEL SWITCH
58	P	FUEL LEVEL SENSOR GROUND
59	V	INTAKE SENSOR GROUND
60	W	IN-VEHICLE SENSOR GROUND
61	R	AMBIENT SENSOR GROUND
62	SB	SUNLOAD SENSOR GROUND
63	L	ION CONTROL MODE OUTPUT SIGNAL
65	BG	ECV SIGNAL
69	P	A/C LAN SIGNAL
70	R	EACH DOOR MOTOR POWER SUPPLY
71	GR	GROUND
72	P	CAN-L

Connector No.	M72
Connector Name	MULTIFUNCTION SWITCH
Connector Type	TH18FW-NH



2	4	6	8	10	12	14	16
1	3	5	7	9	11	13	15

Terminal No.	Color of Wire	Signal Name [Specification]
1	B	GND
3	Y	ACC
4	EG	ILL
5	B	ILL CONT
6	SB	AV COMM (H)
8	LG	AV COMM (L)
9	BR	SW GND
14	LG	DISK EJECT SIGNAL
16	G	HAZARD ON

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



12	11	10	9	8	7	6	5	4	3	2	1
24	23	22	21	20	19	18	17	16	15	14	13

Terminal No.	Color of Wire	Signal Name [Specification]
6	SHIELD	SHIELD
7	B	SHIELD
8	G	CAMERA IMAGE SIGNAL
9	L	COMM (DISP->CONT)
10	LG	COMM (CONT->DISP)
11	Y	BATTERY
12	B	GROUND
18	BR	COMPOSITE IMAGE SIGNAL
19	Y	COMPOSITE IMAGE GND
22	B	SHIELD
23	LG	ACC

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

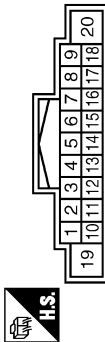
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## ACCESSORY POWER SUPPLY FUSE No. 19

Connector No.	M81
Connector Name	AV CONTROL UNIT
Connector Type	TH18FW-CSZ



Terminal No.	Color of Wire	Signal Name [Specification]
2	L	SOUND SIGNAL FRONT LH (+)
3	W	SOUND SIGNAL FRONT LH (-)
4	LG	SOUND SIGNAL REAR SPEAKER LH (+)
5	SB	SOUND SIGNAL REAR SPEAKER LH (-)
6	P	STRG SW A
7	V	ACC
8	B	GND
9	L	ILLUMINATION
11	BR	SOUND SIGNAL FRONT RH (+)
12	GR	SOUND SIGNAL FRONT RH (-)
13	L	SOUND SIGNAL REAR SPEAKER RH (+)
14	P	SOUND SIGNAL REAR SPEAKER RH (-)
15	B	STRG SW GND
16	L	STRG SW B
19	Y	BATTERY
20	B	GND

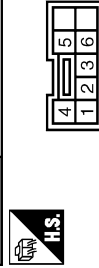
Connector No.	M117
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CSI (P-TIM)



Terminal No.	Color of Wire	Signal Name [Specification]
4	R	-
5	Y	-
6	R	-
7	L	-
8	LG	-
10	R	-

Terminal No.	Color of Wire	Signal Name [Specification]
40	W	-
41	W	-
42	B	-
43	R	-
44	G	-
45	SHIELD	-
46	G	-
47	L	-
48	P	-
49	SHIELD	-
50	Y	-
73	Y	-
74	G	-
75	LG	-
76	LG	-
77	SB	-
78	SB	-
79	LG	-
84	R	-
85	V	-
86	C	-
87	SHIELD	-
88	L	-
89	P	-
90	SHIELD	-
91	G	-
92	G	-
93	GR	-
94	SB	-
95	Y	-
97	LG	-
98	V	-

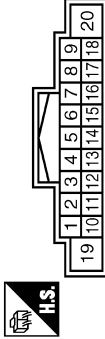
Connector No.	M153
Connector Name	SONAR CANCEL SWITCH
Connector Type	TK03FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	P	-
2	B	-
3	B	-
4	R	-

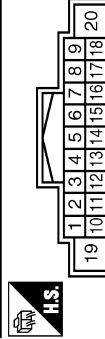
5	G	-
6	B	-

Connector No.	M201
Connector Name	AV CONTROL UNIT
Connector Type	TH18FW-CS2



Terminal No.	Color of Wire	Signal Name [Specification]
2	L	SOUND SIGNAL FRONT LH (+)
3	W	SOUND SIGNAL FRONT LH (-)
4	LG	SOUND SIGNAL REAR LH (+)
5	SB	SOUND SIGNAL REAR LH (-)
6	P	STRG SW A
7	V	ACC
9	L	ILLUMINATION
11	BR	SOUND SIGNAL FRONT RH (+)
12	GR	SOUND SIGNAL FRONT RH (-)
13	L	SOUND SIGNAL REAR RH (+)
14	P	SOUND SIGNAL REAR RH (-)
15	B	STRG SW GND
16	L	STRG SW B
18	G	GND
19	Y	BATTERY
20	B	GND

Connector No.	M208
Connector Name	AV CONTROL UNIT
Connector Type	TH18FW-CS2



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	AMP_ON SIGNAL
2	O	SOUND SIGNAL FRONT LH (+)

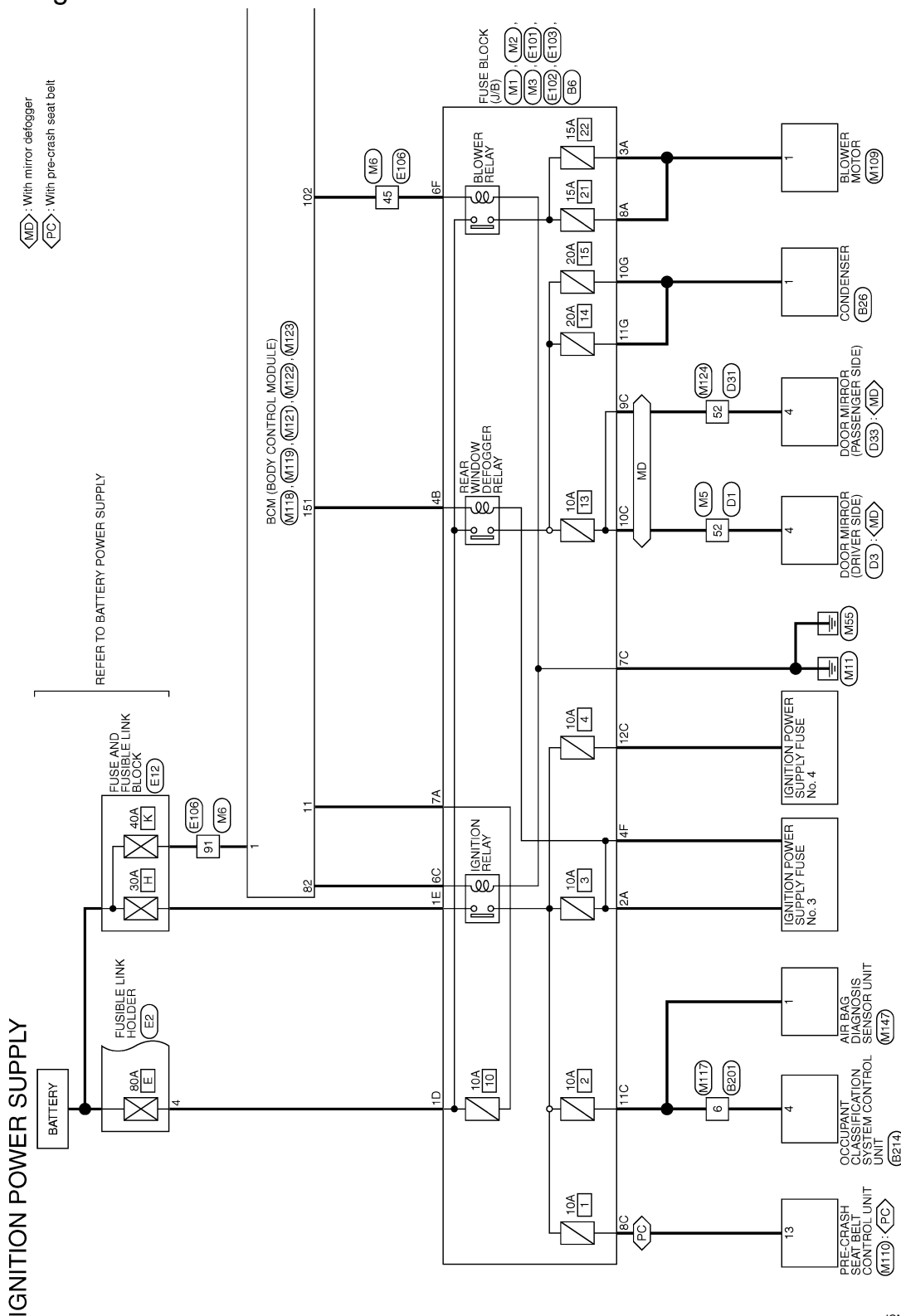
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Wiring Diagram - IGNITION POWER SUPPLY -

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2009/11/05

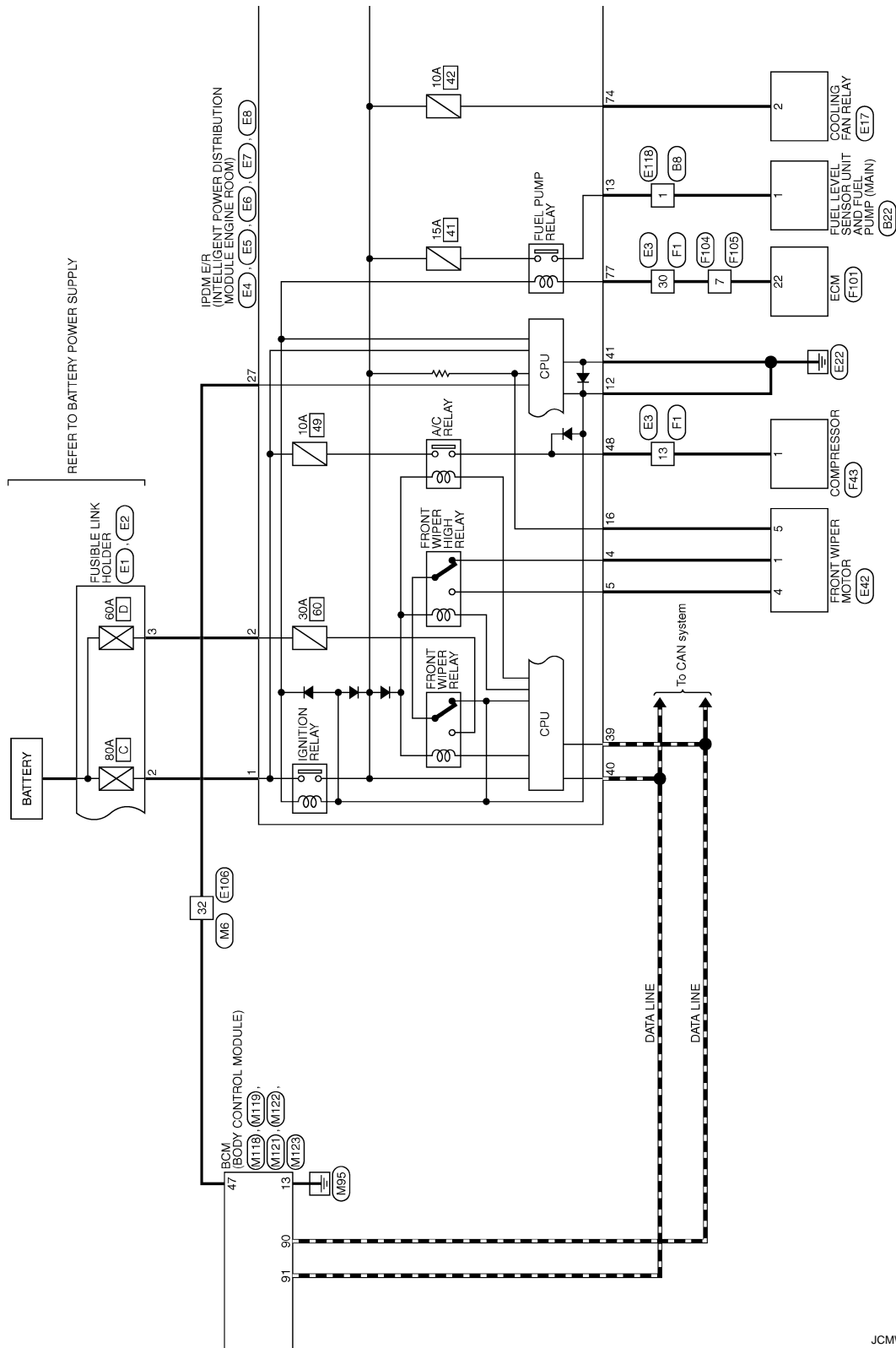
JCMWMM6085GI

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# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]



JCMWM6086G



# POWER SUPPLY ROUTING CIRCUIT

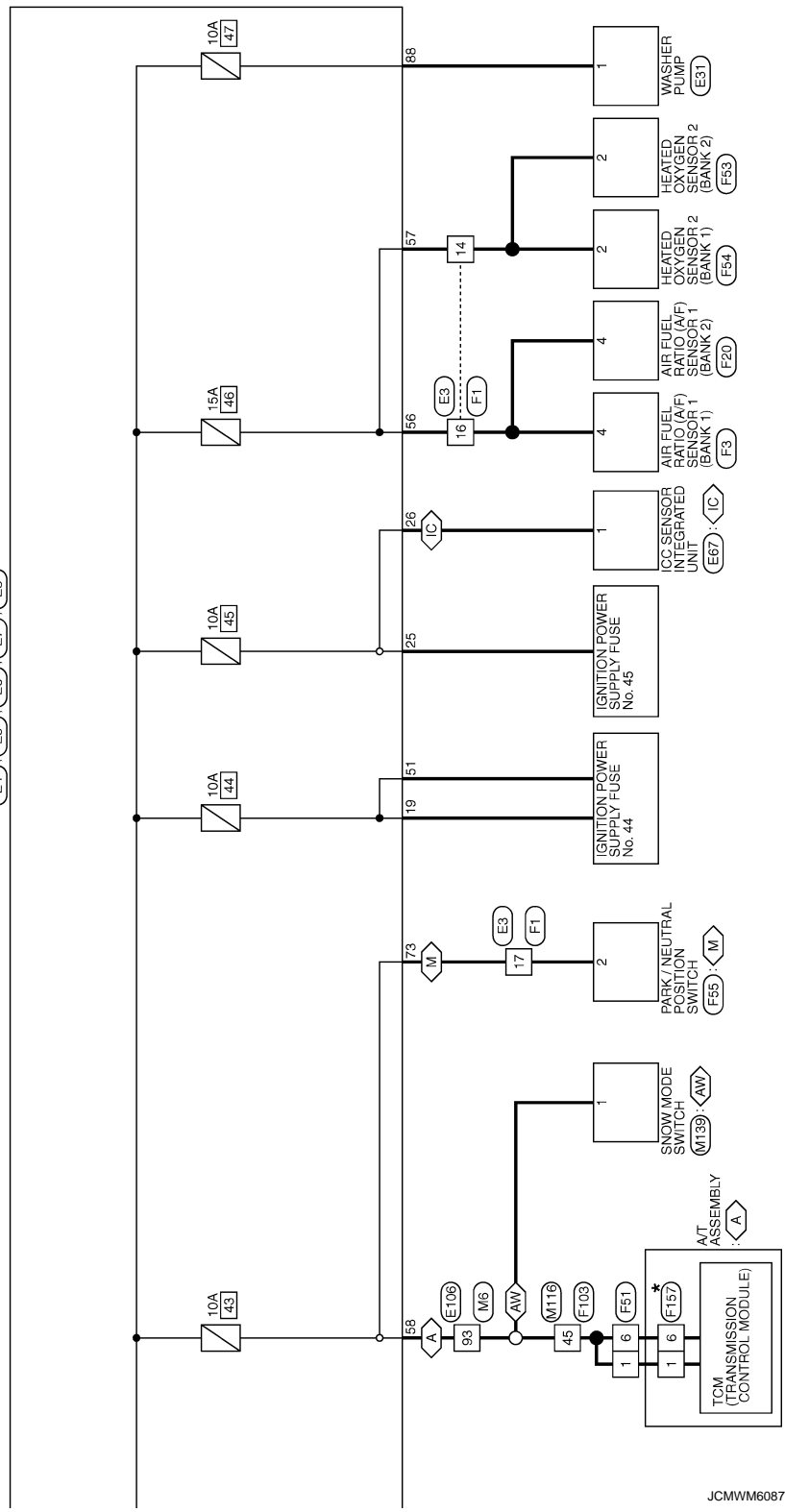
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

- : With AT
- : With M/T
- : With ICC
- : AWD models

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

IPDME/R  
(INTELLIGENT POWER DISTRIBUTION  
MODULE ENGINE ROOM)  
(E4) (E5) (E6) (E7) (E8)



JCMWM6087G1

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PG  
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P

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## IGNITION POWER SUPPLY

Connector No.	B86
Connector Name	FUSE BLOCK (J/B)
Connector Type	MS12FB-CS



5	H	G	3	G	2	G	1	G
1	2	3	4	5	6	7	8	9

Terminal No.	Color of Wire	Signal Name [Specification]
4G	R	-
5G	LG	-
6G	G	-
10G	W	-
11G	W	-
12G	Y	-

Connector No.	BB
Connector Name	WIRE TO WIRE
Connector Type	MD2MW-LC



1	2
---	---

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

Connector No.	B22
Connector Name	FUEL LEVEL SENSOR UNIT AND FUEL PUMP (MAIN)
Connector Type	ED9FCY-RS



1	2	3	4	5
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Terminal No.	Color of Wire	Signal Name [Specification]
1	P	-
2	W	-
3	B	-
4	R	-
5	Y	-

Connector No.	B26
Connector Name	CONDENSER
Connector Type	MD1FW-LC



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

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



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----

Terminal No.	Color of Wire	Signal Name [Specification]
4	BG	-
5	Y	-
6	R	-
7	V	-
8	LG	-
10	R	-
40	V	-
41	G	-
42	R	-
43	W	-
44	B	-
45	SHIELD	-

46	O	-
47	BR	-
48	Y	-
49	SHIELD	-
53	SB	-
73	GR	-
74	LG	-
75	BG	-
76	V	-
77	SB	-
78	L	-
79	P	-
84	R	-
85	P	-
86	G	-
87	SHIELD	-
88	Y	-
89	G	-
90	SHIELD	-
91	G	-
92	G	-
93	GR	-
94	BG	-
95	W	-
97	BR	-
98	V	-

Connector No.	B214
Connector Name	SECURITY DISARMING SYSTEM CONTROL UNIT
Connector Type	TH80FW-NH



4	3	2	1
8	7	6	5

Terminal No.	Color of Wire	Signal Name [Specification]
2	V	COMMUNICATION
4	R	IGN
5	B	GND

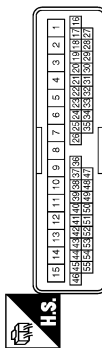
# POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

## IGNITION POWER SUPPLY

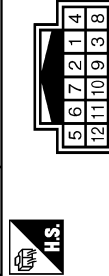
Connector No.	D1
Connector Name	WIRE TO WIRE
Connector Type	TH4GFV-CS15



Terminal No.	Color of Wire	Signal Name [Specification]
5	B	-
6	SB	-
7	R	-
8	G	-
9	P	-
10	LG	-
11	W	-
12	GR	-
13	B	-
14	V	-
15	Y	-
21	R	-
22	P	-
23	O	-
24	BR	-
25	SB	-
26	GR	-
27	GR	-
28	LG	-
29	G	-
30	Y	-
31	W	-
32	BR	-
33	L	-
34	R	-
35	V	-
37	B	-
38	BR	-
39	GR	-
40	G	-
43	BR	-
44	V	-
45	P	-
46	W	-
47	V	-
48	P	-
49	W	-
50	SB	-

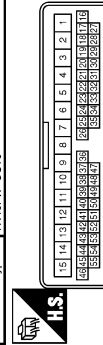
51	R	-
52	L	-
53	O	-
54	GR	-
55	G	-

Connector No.	D3
Connector Name	DOOR MIRROR (DRIVER SIDE)
Connector Type	TH12MW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
4	L	-
5	BR	-
6	GR	- [With automatic drive positioner]
7	G	- [Without automatic drive positioner]
8	Y	- [With automatic drive positioner]
9	B	- [Without automatic drive positioner]
10	BR	-
11	W	-
12	V	-

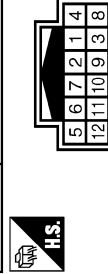
Connector No.	D31
Connector Name	WIRE TO WIRE
Connector Type	TH4GFV-CS15



Terminal No.	Color of Wire	Signal Name [Specification]
7	R	-
8	G	-
9	P	-
10	LG	-

11	W	-
12	L	-
13	B	-
14	Y	-
15	W	-
38	BG	- [With A/T]
39	O	- [With M/T]
40	G	-
43	BR	-
44	V	-
45	P	-
46	W	-
47	V	-
48	P	-
49	W	-
50	SB	-
51	R	-
52	L	-
53	O	-
54	GR	-
55	G	-

Connector No.	D33
Connector Name	DOOR MIRROR (PASSENGER SIDE)
Connector Type	TH12MW-NH



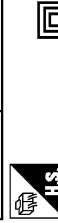
Terminal No.	Color of Wire	Signal Name [Specification]
4	L	-
5	BG	- [Automatic drive positioner with A/T]
6	O	- [Except automatic drive positioner with A/T]
7	G	-
8	B	-
9	P	-
10	BR	-
11	W	-
12	V	-

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



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

Connector No.	E2
Connector Name	FUSIBLE LINK HOLDER
Connector Type	LO2FEG-MC



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

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N  
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# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## IGNITION POWER SUPPLY

Connector No.	E3
Wire to Wire	WIRE TO WIRE
Connector Name	SA33MB-FSS-SHZ8
Connector Type	

1	2	3	4	5	6	7	8
9	10	11	12	13	14	15	16



Terminal No.	Color of Wire	Signal Name [Specification]
1	L/Y	-
2	SHIELD	-
3	L/B	-
4	SHIELD	-
5	BR	-
6	G	-
7	W	-
8	W	-
9	W	-
10	Y	-
11	P	-
12	SB	-
13	BR	-
14	G	-
15	R	-
16	LG	-
17	P	-
18	Y	-
19	EG	-
20	B	-
21	SB	-
22	L/W	-
23	L	-
24	G	-
25	V	-
26	GR	-
27	GR	-
28	P	-
30	R	-
31	BR	-
32	Y	-
33	G	-
34	EG	-
37	SHIELD	-
38	L	-
39	P	-
40	R	-
41	W	-
42	LG	-

43	G	-
45	EG	-
46	SHIELD	-
47	W	-
48	BR	-
49	G	-
50	B	-
51	SB	-
52	R	-

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

1
2



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

Connector No.	E5
Connector Name	IPM E/R INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	TH2DFW-CS12-M4-1V

9	10	11	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
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Terminal No.	Color of Wire	Signal Name [Specification]
4	V	-
5	L	-
7	R	-
11	BR	-
12	B/W	-
13	Y	-
16	LG	-
19	W	-
25	G	-

26	R	-
27	LG	-
28	L	-
30	CR	-
32	V	-
33	G	-
38	P	-

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

42	41	40	39
46	45	44	43



Terminal No.	Color of Wire	Signal Name [Specification]
39	P	-
40	L	-
41	B/W	-
42	Y	-
43	SB	-
44	LG	-
45	G	-
46	W	-

Connector No.	E7
Connector Name	IPM E/R INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	TH2DFW-CS12-M4

53	54	55	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
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Terminal No.	Color of Wire	Signal Name [Specification]
48	BR	-
49	EG	-
51	Y	-
53	W	-
54	P	-

55	SB	-
56	LG	-
57	G	-
58	CR	-
59	BR	-
60	EG	-
73	P	-
74	G	-
75	SB	-
76	Y	-
77	R	-
80	W	-

Connector No.	E8
Connector Name	IPM E/R INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	INS08FW-CS



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Terminal No.	Color of Wire	Signal Name [Specification]
83	R	-
84	P	-
86	W	-
87	L	-
88	G	-
89	BR	-
90	LG	-

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## IGNITION POWER SUPPLY

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



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	G	-
3	Y	-
5	R	-

Connector No.	E31
Connector Name	WASHER PUMP
Connector Type	ED9FGY-RS



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

Connector No.	E12
Connector Name	FRONT WIPER MOTOR
Connector Type	HS09FGY



Terminal No.	Color of Wire	Signal Name [Specification]

1	V	-
2	B/W	-
4	-	-
5	LG	-

Connector No.	E67
Connector Name	ICC SENSOR INTEGRATED UNIT
Connector Type	RS06FB-PR



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	IGNITION
2	V	BRAKE HOLD RLY DRIVE SIGNAL
3	L	CAN-H
4	B	GND
6	P	CAN-L

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



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

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



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

Connector No.	E103
Connector Name	FUSE BLOCK (J/B)
Connector Type	MS16FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1F	SB	-
2F	V	-
4F	G	-
6F	BG	-
8F	L	-
9F	R	-

JCMWM6091G1

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P

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## IGNITION POWER SUPPLY

Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	THB07V-CS16-TM44



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
2	GR	-
3	EG	-
4	G	-
5	G	-
6	EG	-
7	LG	-
8	W	-
9	W	-
10	W	-
11	V	-
12	R	-
13	L	-
14	GR	-
15	P	-
16	W	-
17	V	-
18	EG	-
19	GR	-
20	LG	-
30	R	-
31	L	-
32	EG	-
33	P	-
34	V	-
35	BR	-
36	W	-
37	Y	-
38	R	-
39	B	-
40	G	-
41	W	-
42	LG	-
43	SB	-
44	GR	-
45	EG	-
46	LG	-
47	V	-
48	P	-
49	L	-
59	B	-
66	LG	-

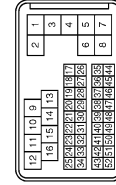
67	SB	-
68	R	-
69	W	-
70	G	-
80	W	-
81	P	-
82	G	-
83	V	-
84	L	-
85	EG	-
86	LG	-
87	Y	-
88	GR	-
89	W	-
91	G	-
93	GR	-
95	Y	-
96	Y	-
97	BR	-
98	SHIELD	-
99	L	-
100	P	-

Connector No.	E118
Connector Name	WIRE TO WIRE
Connector Type	MD2FW-LC



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

Connector No.	F1
Connector Name	WIRE TO WIRE
Connector Type	SAA38FB-RS8-SH28



Terminal No.	Color of Wire	Signal Name [Specification]
1	L/Y	-
2	SHIELD	-
3	L/B	-
4	SHIELD	-
5	BR	-
7	G	-
8	W	-
9	W	-
10	G	-
11	R	-
12	P	-
13	L	-
14	LG	-
15	R	-
16	Y	-
17	W	-
18	LG	-
19	P	-
20	O	-
21	BR	-
22	G	-
23	Y	-
24	LG	-
25	V	-
26	GR	-
28	BR	-
29	L	-
30	R	-
31	P	-
32	W	-
33	SB	-
34	O	-
37	SHIELD	-
38	W	-
39	Y	-
40	G	-
41	B	-
42	GR	-

43	R	-
45	O	-
46	SHIELD	-
47	W/L	-
48	LG	-
49	O/L	-
50	L/Y	-
51	W	-
52	L/G	-

Connector No.	F3
Connector Name	AIR FUEL RATIO (A/F) SENSOR 1 (BANK 1)
Connector Type	AFZ04FDGY



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

Connector No.	F20
Connector Name	AIR FUEL RATIO (A/F) SENSOR 1 (BANK 2)
Connector Type	AFZ04FDGY



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
2	V	-
3	W	-
4	Y	-

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

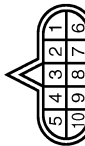
## IGNITION POWER SUPPLY

Connector No.	F43
Connector Name	COMPRESSOR
Connector Type	RS01FB



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

Connector No.	F51
Connector Name	A/T ASSEMBLY
Connector Type	RK10FG-DG1



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	R	-
3	L	-
4	V	-
5	B	-
6	G	-
7	R	-
8	P	-
9	GR	-
10	B	-

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



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
2	LG	-
3	SB	-
4	O	-

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



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
2	R	-
3	P	-
4	W	-

Connector No.	F55
Connector Name	PARK / NEUTRAL POSITION SWITCH
Connector Type	RK02FB



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

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



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	AFH 1/O2HF 1
2	G	MOTOR 1-B1
3	R	VMOT 1-B1
4	BR	MOTOR 2-B1
5	W	AFH 2/O2HF 2
8	B	GND
11	GR	IGN#4
12	L	IGN#3
15	V	IGN#5
16	G	IGN#2
17	P	O2HR 1
18	W	CVTCH 1
19	SB	IGN#6
20	Y	IGN#1
21	GR	EVAP
22	R	EPB
24	P	SSOFF
25	BR	MOTRL 1-B1
28	G	AEOR1
29	G	CVTGH2
30	Y	TPS 1-B1
31	R	TPS 1-B2
33	SB	O2HR 2
34	B	TPS 2-B1
35	W	TPS 2-B2
36	O	GND(A)/INTPRES/AMVPRES
37	W	POS
38	O	INTPRES 1
39	P	AMVPRES
40	R	GND(TPS-B1)
43	G	AVCC-TPS-B2
44	L	AVCC-TPS-B1

45	LG	AVCC2/INTPRES/AMVPRES
46	R	AVCC 2-POS
47	Y	GND-POS
48	B	GND(TPS-B2)

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



Terminal No.	Color of Wire	Signal Name [Specification]
2	G	-
3	W	-
4	R	-
5	B	-
9	Y	-
10	GR	-
19	O	-
20	Y	-
28	B	-
29	LG	-
30	R	-
31	R	-
33	B	-
34	B	-
35	L	-
36	P	-
37	Y	-
38	G	-
41	O	-
42	BR	-
43	P	-
44	L	-
45	G	-
46	V	-

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PG

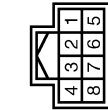
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## IGNITION POWER SUPPLY

Connector No.	F104
Connector Name	WIRE TO WIRE
Connector Type	TH08MV-NH



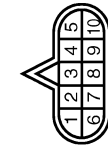
Terminal No.	Color of Wire	Signal Name [Specification]
1	P	-
2	V	-
3	L	-
4	Y	-
6	GR	-
7	R	-
8	O	-

Connector No.	F105
Connector Name	WIRE TO WIRE
Connector Type	TH08MV-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	P	-
2	V	-
3	L	-
4	Y	-
6	GR	-
7	R	-
8	O	-

Connector No.	F157
Connector Name	TGM (TRANSMISSION CONTROL MODULE)
Connector Type	SP10FG



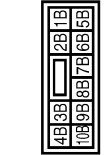
Terminal No.	Color of Wire	Signal Name [Specification]
1	W	VIGN
2	B	BATT
3	R	CAN-H
4	O	K-LINE
5	G	GND
6	GR	VIGN
7	UR	REV LAMP RLY
8	BR	CAN-L
9	Y	STARTER RLY
10	W/B	GND

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



Terminal No.	Color of Wire	Signal Name [Specification]
1A	V	-
2A	LG	-
3A	L	-
4A	SB	-
5A	L	-
6A	BR	-
7A	R	-
8A	L	-

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



Terminal No.	Color of Wire	Signal Name [Specification]
1B	SB	-
3B	P	-
4B	G	-
5B	BG	-
6B	Y	-
7B	L	-
8B	R	-
9B	SB	-

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



Terminal No.	Color of Wire	Signal Name [Specification]
9C	V	-
7C	B	-
8C	W	-
9C	BG	-
10C	L	-
11C	LG	-
12C	GR	-



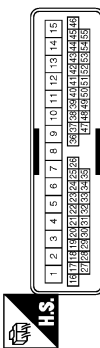
# POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

## IGNITION POWER SUPPLY

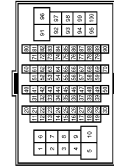
Connector No.	M5
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS15



Terminal No.	Color of Wire	Signal Name [Specification]
5	B	-
6	BG	-
7	W	-
8	B	-
9	G	-
10	V	-
11	W	-
12	L	-
13	B	-
14	V	-
15	Y	-
21	W	-
22	P	-
23	BG	-
24	LG	-
25	L	-
26	R	-
27	W	-
28	LG	-
29	GR	-
30	G	-
31	V	-
32	BR	-
33	SB	-
34	GR	-
35	L	-
37	B	-
38	G	-
39	L	-
40	Y	-
43	SB	-
44	Y	-
45	GR	-
46	W	-
47	V	-
48	LG	-
49	R	-
50	SB	-

51	LG	-
52	L	-
53	W	-
54	V	-
55	P	-

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



Terminal No.	Color of Wire	Signal Name [Specification]
1	BG	-
3	R	-
5	G	-
6	L	-
7	W	-
10	W	-
11	V	-
12	R	-
13	L	-
14	GR	-
15	P	-
16	W	-
17	BR	-
18	BG	-
19	L	-
20	R	-
30	R	-
31	SB	-
32	Y	-
33	BG	-
34	R	-
35	BR	-
36	SB	-
37	Y	-
38	LG	-
39	SB	-
40	P	-
41	W	-
42	LG	-
43	R	-
44	Y	-

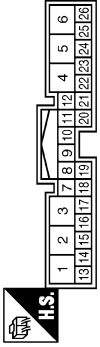
44	P	-
45	BG	-
46	G	-
47	V	-
48	P	-
49	L	-
59	B	-
60	GR	-
67	P	-
69	L	-
70	BR	-
80	L	-
81	R	-
82	V	-
83	W	-
84	L	-
85	BG	-
86	W	-
87	G	-
88	B	-
89	SB	-
91	L	-
93	Y	-
95	Y	-
96	R	-
97	P	-
98	SHIELD	-
99	V	-
100	SB	-

Connector No.	M109
Connector Name	BLOWER MOTOR
Connector Type	NS60PW-M3



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	P	-
3	B	-

Connector No.	M110
Connector Name	PRE-CRASH REAR BELT CONTROL UNIT
Connector Type	TH20PW-TB6



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	MOTOR (RH) (RELEASE)
2	W	+B
3	R	MOTOR (RH) (EASTERN)
4	Y	MOTOR (LH) (EASTERN)
5	W	GND (DRIVE)
6	R	MOTOR (LH) (RELEASE)
7	Y	INDICATOR
8	LG	BUCKLE SW RH
10	SB	BUCKLE SW LH
13	W	IGN
16	W	SENS OUTPUT 1
18	L	SENS POWER
20	BR	SENS OUTPUT 2
21	B	SENS GND
22	P	CAN-L
24	L	CAN-H
26	B	GND (CONT)

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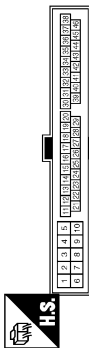
# POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

## IGNITION POWER SUPPLY

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



Terminal No.	Color of Wire	Signal Name [Specification]
2	W	
3	EG	
4	P	
5	B	
9	R	
10	R	
18	EG	
20	Y	
28	B	
28	LG	
30	BR	
31	W	
33	B	
34	B	
35	L	
36	P	
37	V	
38	SB	
41	EG	
42	G	
43	P	
44	L	
45	Y	

Connector No.	M117
Connector Name	WIRE TO WIRE
Connector Type	TH30MW-CS18-TM4



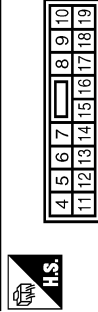
Terminal No.	Color of Wire	Signal Name [Specification]
4	R	
5	R	
7	L	
8	LG	
10	R	
40	W	
41	W	
42	B	
43	R	
44	G	
45	SHIELD	
46	G	
47	L	
48	P	
49	SHIELD	
50	Y	
72	Y	
74	G	
75	LG	
76	LG	
77	SB	
78	SB	
79	LG	
84	R	
85	V	
86	G	
87	SHIELD	
88	L	
89	P	
90	SHIELD	
91	G	
92	G	
93	GR	
94	SB	
95	SB	
97	LG	
98	V	

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



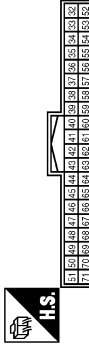
Terminal No.	Color of Wire	Signal Name [Specification]
1	L	BAT (F/L)
2	Y	POWER WINDOW POWER SUPPLY (BAT)
3	BG	POWER WINDOW POWER SUPPLY (BAP)

Connector No.	M119
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	MS16FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
4	LG	INTERIOR ROOM LAMP POWER SUPPLY
5	P	PASSENGER DOOR UNLOCK OUTPUT
7	SB	STEP LAMP OUTPUT
8	V	ALL DOOR FUEL LD LOCK OUTPUT
9	G	DRIVER DOOR FUEL LD UNLOCK OUTPUT
11	R	BAT (FUSE)
13	B	ACC IND
14	W	PUSH-BUTTON IGNITION SW ILL GND
15	BG	ACC IND
17	W	TURN SIGNAL RH (FRONT)
18	BG	TURN SIGNAL LH (FRONT)
19	V	ROOM LAMP TIMER CONTROL

Connector No.	M121
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FGY-NH



Terminal No.	Color of Wire	Signal Name [Specification]
34	SB	TRUNK ROOM ANT-
35	V	TRUNK ROOM ANT+
38	B	REAR BUMPER ANT-
39	W	REAR BUMPER ANT+
47	Y	IGN RELAY (F/RM L/R) CONT
50	G	TRUNK ROOM LAMP SW
52	SB	STARTER RELAY CONT
61	SB	TRUNK LD OPENER REQUEST SW
64	P	F-KEY WARM BUZZER (ENG ROOM)
67	GR	TRUNK LD OPENER SW

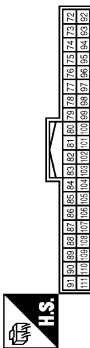
# POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

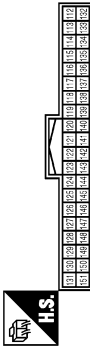
## IGNITION POWER SUPPLY

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



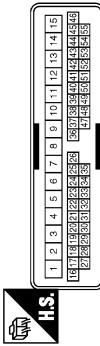
Terminal No.	Color of Wire	Signal Name [Specification]
72	R	ROOM ANT 2-
73	G	ROOM ANT 2+
74	SB	PASSENGER DOOR ANT-
75	BR	PASSENGER DOOR ANT+
76	V	DRIVER DOOR ANT-
77	LG	DRIVER DOOR ANT+
78	Y	ROOM ANT 1-
79	BR	ROOM ANT 1+
80	GR	NATS ANT AMP
81	W	NATS ANT AMP
82	V	IGN RELAY (F/B) CONT
83	Y	KEYLESS ENTRY RECEIVER COMM
87	Y	COMBI SW INPUT 5
88	GR	COMBI SW INPUT 3
89	BR	PUSH SW
90	P	CAN-L
91	L	CAN-H
92	LG	KEY SLOT ILL
93	GR	ON IND
95	BG	ACC RELAY CONT
96	GR	A/T SHFT SELECTOR POWER SUPPLY
97	L	S/L CONDITION 1
98	BG	S/L CONDITION 2
99	P	SHFT P (W/O A/T)
99	R	ICC CLUTCH SW (M/T models with ICC)
99	R	ASCD CLUTCH SW (M/T models without ICC)
100	Y	PASSENGER DOOR REQUEST SW
101	R	DRIVER DOOR REQUEST SW
102	BG	BLOWER FAN MOTOR RELAY CONT
103	LG	KEYLESS ENTRY RECEIVER POWER SUPPLY
106	W	S/L UNIT POWER SUPPLY
107	LG	COMBI SW INPUT 1
108	R	COMBI SW INPUT 4
109	W	COMBI SW INPUT 2
110	G	HAZARD SW
111	Y	S/L UNIT COMM

Connector No.	M123
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FC-NH



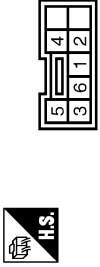
Terminal No.	Color of Wire	Signal Name [Specification]
112	R	RAIN SENSOR SERIAL LINK
113	BG	OPTICAL SENSOR
114	P	CLUTCH INTERLOCK SW
116	SR	STOP LAMP SW 2
118	BR	STOP LAMP SW 1
119	SB	DR DOOR UNLOCK SENSOR
121	G	KEY SLOT SW
123	W	IGN F/B
124	LG	PASSENGER DOOR SW
129	Y	TRUNK LID OPERER CANCEL SW
132	V	POWER WINDOW SW COMM
133	L	PUSH-BUTTON IGNITION SW ILL POWER
134	R	LOCK IND
137	BG	RECEIVER / SENSOR GND
138	V	RECEIVER / SENSOR POWER SUPPLY
139	L	TIRE PRESSURE RECEIVER COMM
140	Y	SHIFT N/P
141	P	SECURITY INDICATOR
142	LG	COMBI SW OUTPUT 5
143	V	COMBI SW OUTPUT 1
144	G	COMBI SW OUTPUT 2
146	L	COMBI SW OUTPUT 3
148	SB	COMBI SW OUTPUT 4
149	W	TIRE PRESSURE WARN CHECK SW
150	R	DRIVER DOOR SW
151	G	REAR WINDOW DEFROGGER RELAY CONT

Connector No.	M124
Connector Name	WIRE TO WIRE
Connector Type	TH40MW-CS1.5



Terminal No.	Color of Wire	Signal Name [Specification]
7	R	-
8	G	-
9	P	-
10	Y	-
11	GR	-
12	BR	-
13	B	-
14	L	-
15	W	-
38	W	-
39	BG	-
40	SB	-
43	L	-
44	P	-
45	R	-
46	V	-
47	SB	-
48	BR	-
49	Y	-
50	L	-
51	V	-
52	BG	-
53	W	-
54	V	-
55	P	-

Connector No.	M139
Connector Name	SNOW MODE SWITCH
Connector Type	TK03FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	B	-
4	L	-
5	G	-
6	B	-

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P

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## IGNITION POWER SUPPLY

Connector No.	M147
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	TK28FY-EK-SC



20	21	17	24	49	1
22	11	48	47	45	13
16	12	19	15	14	51
					23
					50
					18
					52
					2

Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	IGN
2	B	GND
3	Y	DRI (+)
4	Y	DR 1 (-) DR 2 (-)
5	Y	ASI (+)
6	Y	ASI (-)
11	SB	EGZS (+)
12	V	EGZS (-)
15	LG	AIR BAG W/L
16	SHIELD	GND
18	R	CUTOFF TELLTALE
21	L	CAN-H
24	G	SEAT BELT
45	Y	DR 2 (+)
46	P	CAN-L
47	Y	AS Z (+)
48	Y	AS Z (-)
49	L	ODS INPUT

JCMWM6098G

# POWER SUPPLY ROUTING CIRCUIT

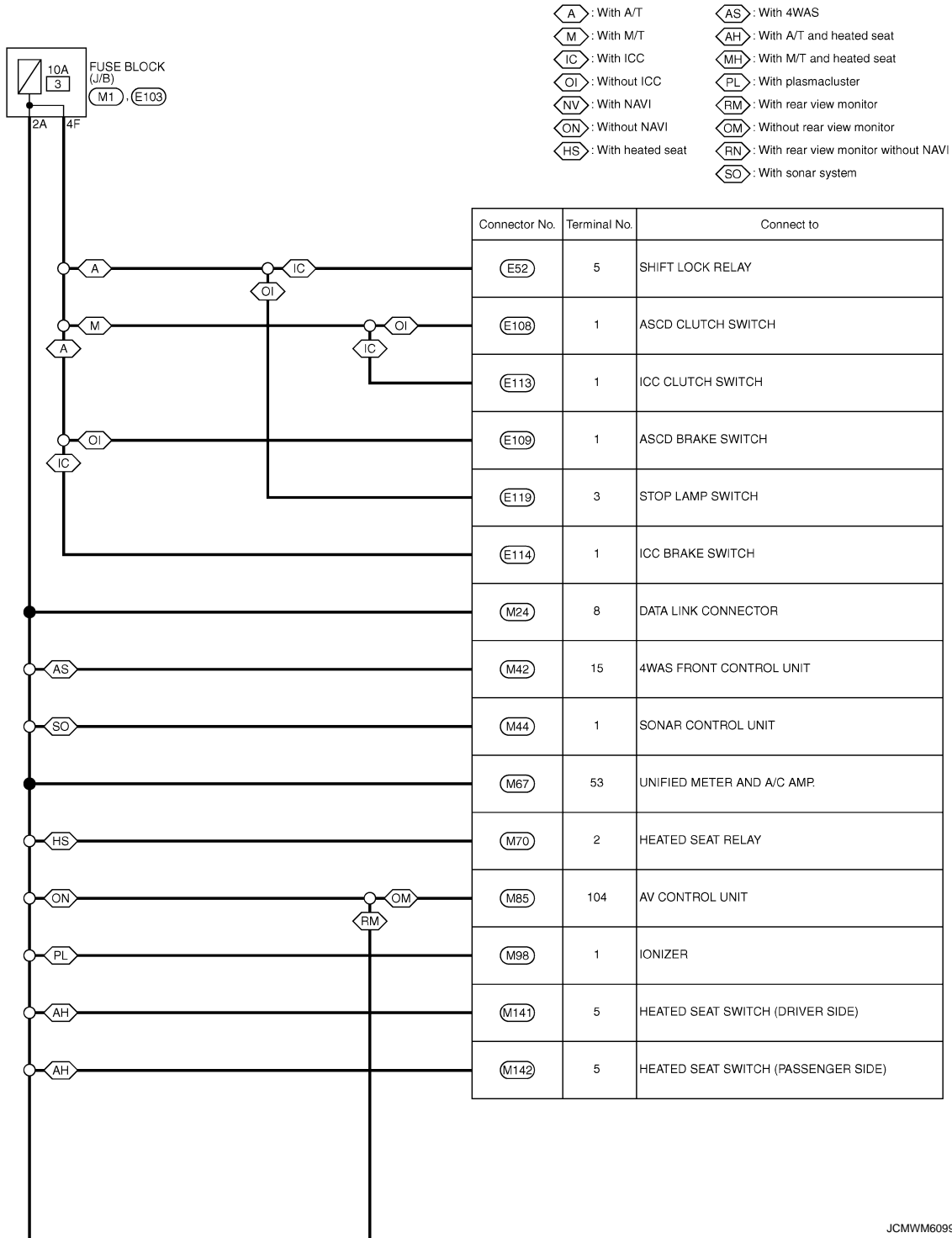
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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

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### IGNITION POWER SUPPLY FUSE No. 3



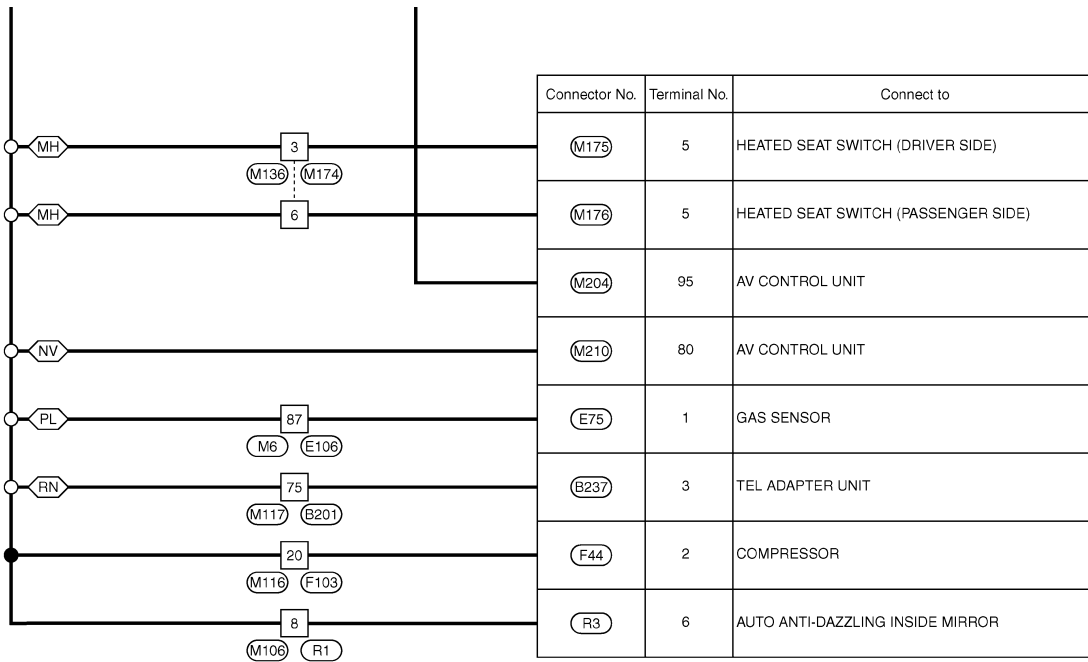
JCMWM6099GI

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# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]



2009/11/05

JCMWM6100G

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

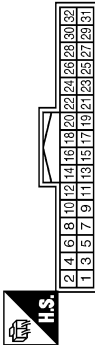
## IGNITION POWER SUPPLY FUSE No. 3

Connector No.	B201
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS1.6-TM4



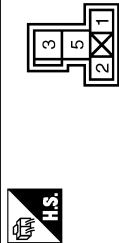
Terminal No.	Color of Wire	Signal Name [Specification]
4	BG	-
5	Y	-
6	R	-
7	V	-
8	LG	-
10	R	-
40	V	-
41	G	-
42	R	-
43	W	-
44	B	-
45	SHIELD	-
46	O	-
47	BR	-
48	Y	-
49	SHIELD	-
50	SB	-
73	GR	-
74	LG	-
75	BG	-
76	V	-
77	SB	-
78	L	-
79	P	-
84	R	-
85	P	-
86	G	-
87	SHIELD	-
88	Y	-
89	G	-
90	SHIELD	-
91	G	-
92	G	-
93	GR	-
94	BG	-
95	W	-
97	BR	-
98	Y	-

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



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	BATTERY
2	LG	ACC
3	BG	IGNITION
4	B	GND
5	SHIELD	SHIELD
7	R	MICROPHONE SIGNAL
8	SHIELD	MICROPHONE GND
9	Y	TEL VOICE SIGNAL (+)
10	G	TEL VOICE SIGNAL (-)
14	B	GND
22	B	CONTROL SIGNAL
24	B	CONTROL SIGNAL
28	P	VEHICLE SPEED (8-PULSE)
29	G	MICROPHONE VCC

Connector No.	E82
Connector Name	SHIFT LOCK RELAY
Connector Type	MS02FL-M2-LC



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
2	P	-
3	W	-
5	Y	-

Connector No.	E75
Connector Name	GAS SENSOR
Connector Type	RM03FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	POWER
2	B	GND
3	LG	GAS SENSOR SIGNAL

Connector No.	E103
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS10FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1F	SB	-
2F	V	-
4F	G	-
6F	BG	-
8F	L	-
9F	R	-

JCMWM6101G

A  
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I  
J  
K  
L  
PG  
N  
O  
P

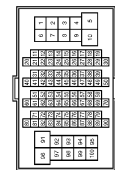
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## IGNITION POWER SUPPLY FUSE No. 3

Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	THB07V-CS16-TM44



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
3	EG	-
5	G	-
6	EG	-
7	LG	-
10	W	-
11	V	-
12	R	-
13	L	-
14	GR	-
15	P	-
16	W	-
17	V	-
18	EG	-
19	GR	-
20	LG	-
30	R	-
31	L	-
32	EG	-
33	P	-
34	V	-
35	BR	-
36	W	-
37	Y	-
38	R	-
39	B	-
40	G	-
41	W	-
42	LG	-
43	SB	-
44	GR	-
45	EG	-
46	LG	-
47	V	-
48	P	-
49	L	-
50	B	-
68	LG	-

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



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

Connector No.	E113
Connector Name	ICC CLUTCH SWITCH
Connector Type	S02FL



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

Connector No.	E114
Connector Name	ICC BRAKE SWITCH
Connector Type	S02FL



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

1	R	-
2	V	-

Connector No.	E119
Connector Name	STOP LAMP SWITCH
Connector Type	MMHFV-LC



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

Connector No.	F44
Connector Name	COMPRESSOR
Connector Type	FK02FCY



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

JCMWM6102G



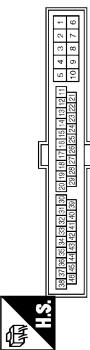
# POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

## IGNITION POWER SUPPLY FUSE No. 3

Connector No.	F103
Connector Name	WIRE TO WIRE
Connector Type	TK36FW-MS10



Terminal No.	Color of Wire	Signal Name [Specification]
2	G	
3	W	
4	R	
5	B	
8	Y	
10	GR	
19	O	
20	Y	
28	B	
29	LG	
30	R	
31	R	
33	B	
34	B	
35	L	
36	P	
37	Y	
38	G	
41	O	
42	BR	
43	P	
44	L	
45	G	
46	V	

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



Terminal No.	Color of Wire	Signal Name [Specification]
1A	V	
2A	LG	
3A	L	
4A	SB	
5A	L	
6A	BR	
7A	R	
8A	L	

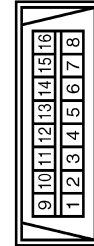
Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	BG	
3	R	
5	G	
6	L	
7	W	
10	W	
11	V	
12	R	
13	L	
14	GR	
15	P	
16	W	
17	BR	
18	BG	
19	L	
20	L	
30	R	
31	SB	
32	Y	
33	BG	
34	R	
35	BR	
36	SB	
37	Y	
38	LG	
39	SB	

Terminal No.	Color of Wire	Signal Name [Specification]
40	P	
41	W	
42	LG	
43	R	
44	Y	
45	BG	
46	G	
47	V	
48	P	
49	L	
59	B	
66	GR	
67	P	
68	L	
69	W	
70	BR	
80	L	
81	R	
82	V	
83	W	
84	L	
85	BG	
86	W	
87	G	
88	B	
89	SB	
91	L	
93	Y	
95	Y	
96	R	
97	P	
98	SHIELD	
99	V	
100	SB	

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



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

4	B	
5	B	
6	L	
7	V	
8	LG	
11	SB	
14	P	
16	Y	

Connector No.	M42
Connector Name	4WAS FRONT CONTROL UNIT
Connector Type	TK22FW



Terminal No.	Color of Wire	Signal Name [Specification]
14	V	BUS-L
15	G	IGN
18	B	GND
25	LG	BUS-H
34	B	GND

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

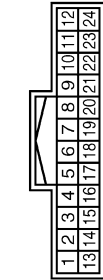
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

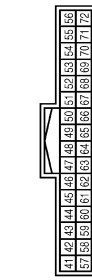
## IGNITION POWER SUPPLY FUSE No. 3

Connector No.	M44
Connector Name	SONAR CONTROL UNIT
Connector Type	TH42FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	IGN
2	P	CANCEL SW SIGNAL
5	G	CORNER SENSOR SIGNAL REAR LH
6	B	CORNER SENSOR SIGNAL REAR RH
7	W	CENTER SENSOR SIGNAL REAR LH
8	R	CENTER SENSOR SIGNAL REAR RH
11	B	CANCEL SW INDICATOR
12	Y	SENSOR GND
13	L	ACC
17	BG	F RANGE SIGNAL
18	V	K LINE
19	SB	AV COMM (H)
20	LG	AV COMM (L)
24	B	GND

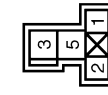
Connector No.	M67
Connector Name	UNIFIED METER AND A/C AMP.
Connector Type	TH42FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
41	L	ACC POWER SUPPLY
42	BR	FUEL LEVEL SENSOR SIGNAL
43	V	INTAKE SENSOR SIGNAL
44	LG	IN-VEHICLE SENSOR SIGNAL
45	V	AMBIENT SENSOR SIGNAL
46	GR	SUNLOAD SENSOR SIGNAL
47	W	GAS SENSOR SIGNAL
53	G	IGNITION POWER SUPPLY

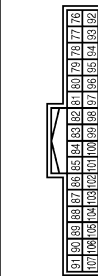
54	Y	BATTERY POWER SUPPLY
55	B	GROUND
56	L	CAN-H
57	LG	BRAKE FLUID LEVEL SWITCH
58	P	FUEL LEVEL SENSOR GROUND
59	Y	INITAKE SENSOR GROUND
60	W	IN-VEHICLE SENSOR GROUND
61	R	AMBIENT SENSOR GROUND
62	SB	SUNLOAD SENSOR GROUND
63	L	ION CONTROL MODE OUTPUT SIGNAL
65	BG	ECV SIGNAL
69	P	A/C LAN SIGNAL
70	R	EACH DOOR MOTOR POWER SUPPLY
71	GR	GROUND
72	P	CAN-L

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



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
2	G	-
3	G	-
5	L	-

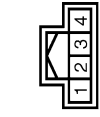
Connector No.	M85
Connector Name	AV CONTROL UNIT
Connector Type	TH42FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
85	B	GND

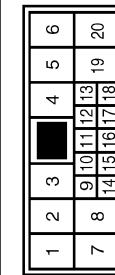
86	L	CAN-H
87	P	CAN-L
88	SB	AV COMM (H)
89	LG	AV COMM (L)
90	SB	AV COMM (H)
91	LG	AV COMM (L)
95	R	AUX SOUND SIGNAL RH (+)
96	W	AUX SOUND SIGNAL LH (+)
97	B	AUX SOUND SIGNAL GND
101	BR	SW GND
103	LG	EJECT SIGNAL
104	R	IGNITION
105	BG	REVERSE
106	SB	PARKING BRAKE
107	GR	VEHICLE SPEED (8-PULSE)

Connector No.	M88
Connector Name	IONIZER
Connector Type	TH64FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	IGN
2	L	ION MODE
3	B	GND
4	G	ION ON / OFF

Connector No.	M106
Connector Name	WIRE TO WIRE
Connector Type	NH10MW-CS10



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

3	SHIELD
4	G
5	BR
6	P
7	Y
8	GR
9	LG
10	V
11	P
12	B
13	P
15	R
16	G
17	SHIELD
18	B
19	SB
20	R

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## IGNITION POWER SUPPLY FUSE No. 3

Connector No.	M116
Connector Name	WIRE TO WIRE
Connector Type	TK30MW-NS-0



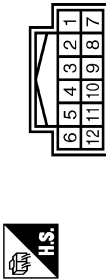
Terminal No.	Color of Wire	Signal Name [Specification]
2	W	-
3	EG	-
4	P	-
5	B	-
8	R	-
9	B	-
10	R	-
19	EG	-
20	Y	-
28	B	-
29	LG	-
30	BR	-
31	W	-
33	B	-
34	B	-
35	L	-
36	P	-
37	V	-
38	SB	-
41	EG	-
42	G	-
43	P	-
44	L	-
45	Y	-
46	V	-

Connector No.	M117
Connector Name	WIRE TO WIRE
Connector Type	THR0MW-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
4	R	-
5	Y	-
6	R	-
7	L	-
8	LG	-
10	R	-
40	W	-
41	W	-
42	B	-
43	R	-
44	G	-
45	SHIELD	-
46	G	-
47	L	-
48	P	-
49	SHIELD	-
50	Y	-
73	Y	-
74	G	-
75	LG	-
76	LG	-
77	SB	-
78	SB	-
79	LG	-
84	R	-
85	V	-
86	G	-
87	SHIELD	-
88	L	-
89	P	-
90	SHIELD	-
91	G	-
92	GR	-
93	GR	-
94	SB	-
95	Y	-
97	LG	-
98	V	-

Connector No.	M135
Connector Name	WIRE TO WIRE
Connector Type	TH12FH-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	V	-
3	G	-
4	P	-
5	B	-
8	W	-
7	B	-
8	W	-
9	W	-
10	GR	-
11	B	-
12	SB	-

Connector No.	M141
Connector Name	HEATED SEAT SWITCH (DRIVER SIDE)
Connector Type	TK10FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	V	-
3	V	-
4	W	-
5	G	-
6	B	-

Connector No.	M142
Connector Name	HEATED SEAT SWITCH (PASSENGER SIDE)
Connector Type	TK03FER



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
2	SB	-
3	P	-
4	B	-
5	W	-
6	B	-

Connector No.	M174
Connector Name	WIRE TO WIRE
Connector Type	TH12MW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	GR	-
3	W	-
4	G	-
5	O	-
6	P	-
7	B	-
8	R	-
9	LG	-
10	Y	-
11	V	-
12	SB	-

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K  
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PG  
N  
O  
P

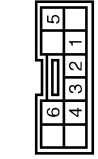
# POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

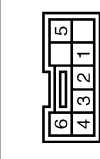
## IGNITION POWER SUPPLY FUSE No. 3

Connector No.	M175
Connector Name	HEATED SEAT SWITCH (DRIVER SIDE)
Connector Type	TK0DFW



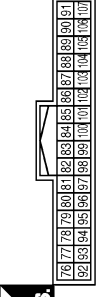
Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	GR	-
3	R	-
4	LG	-
5	W	-
6	B	-

Connector No.	M176
Connector Name	HEATED SEAT SWITCH (PASSENGER SIDE)
Connector Type	TK08FB



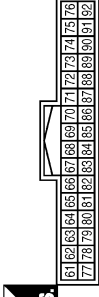
Terminal No.	Color of Wire	Signal Name [Specification]
1	V	-
2	SB	-
3	G	-
4	O	-
5	P	-
6	V	-

Connector No.	M204
Connector Name	AV CONTROL UNIT
Connector Type	TH432FW-NH



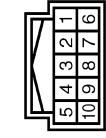
Terminal No.	Color of Wire	Signal Name [Specification]
76	LG	AV COMM (L)
77	SB	AV COMM (H)
78	LG	AV COMM (L)
79	SB	AV COMM (H)
80	P	CAN-L
81	L	CAN-H
82	BR	SW GND
86	SHIELD	SHIELD
87	L	TEL VOICE SIGNAL (+)
88	P	TEL VOICE SIGNAL (-)
92	GR	VEHICLE SPEED (8-PULSE)
93	SB	PARKING BRAKE
94	BG	REVERSE
95	R	IGNITION
96	LG	DISK EJECT SIGNAL

Connector No.	M210
Connector Name	AV CONTROL UNIT
Connector Type	TH432FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
65	SB	PARKING BRAKE
67	Y	COMPOSITE IMAGE SIGNAL GND
68	BR	COMPOSITE IMAGE SIGNAL
71	SHIELD	MICROPHONE GND
72	G	MICROPHONE YCC
73	LG	COMM (CONT->DISP)
74	P	CAN-L

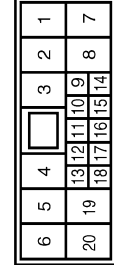
Connector No.	R3
Connector Name	AUTO ANTI-DAZZLING INSIDE MIRROR
Connector Type	TH10FB-NH



Terminal No.	Color of Wire	Signal Name [Specification]
6	BR	IGN
8	B	GND
10	G	BAT

Terminal No.	Color of Wire	Signal Name [Specification]
75	LG	AV COMM (L)
76	LG	AV COMM (L)
78	L	ILLUMINATION
79	B	IGNITION
80	R	REVERSE
81	BG	VEHICLE SPEED (8-PULSE)
82	GR	SHIELD
87	R	MICROPHONE SIGNAL
88	B	SHIELD
89	L	COMM (DISP->CONT)
90	L	CAN-H
91	SB	AV COMM (H)
92	SB	AV COMM (H)

Connector No.	R1
Connector Name	WIRE TO WIRE
Connector Type	NH10FW-GS10



Terminal No.	Color of Wire	Signal Name [Specification]
2	L	- [With 4WAS]
3	SHIELD	- [Without 4WAS]
4	G	-
5	BR	-
6	Y	-
7	G	-
8	BR	-
9	R	-
10	V	-
11	B	-
12	B	-
13	Y	-
15	O	-
16	W	-
17	SHIELD	-
18	B	-
19	Y	-
20	R	-

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

# POWER SUPPLY ROUTING CIRCUIT

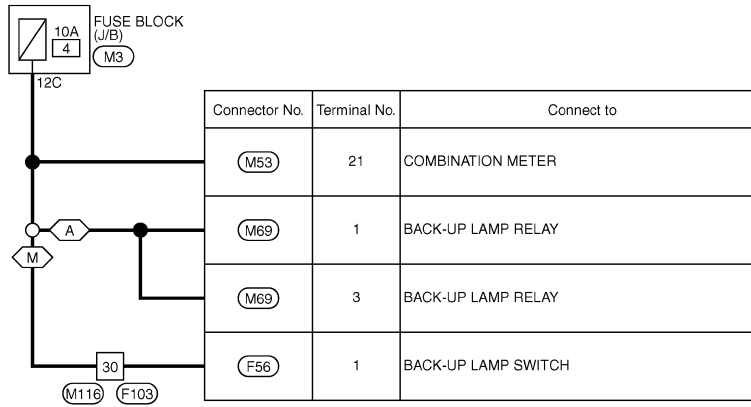
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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

INFOID:000000005660564

 : With A/T  
 : With M/T



A  
B  
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2008/08/22

JCMWM3134G

# POWER SUPPLY ROUTING CIRCUIT

## [POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

### IGNITION POWER SUPPLY FUSE No. 4

Connector No.	F16
Connector Name	BACK-UP LAMP SWITCH
Connector Type	RK02FB



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

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



Terminal No.	Color of Wire	Signal Name [Specification]
2	G	-
3	W	-
4	R	-
5	B	-
6	Y	-
10	GR	-
19	O	-
20	Y	-
28	B	-
29	LG	-
30	R	-
31	R	-
33	B	-
34	B	-
35	L	-
36	P	-
37	Y	-
38	G	-
41	O	-
42	BR	-

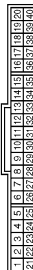
43	P	-
44	L	-
45	G	-
46	V	-

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



Terminal No.	Color of Wire	Signal Name [Specification]
6C	V	-
7C	B	-
8C	W	-
9C	BG	-
10C	L	-
11C	LG	-
12C	GR	-

Connector No.	M53
Connector Name	COMBINATION METER
Connector Type	SAB40FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	BATTERY
2	LG	COMMUNICATION SIGNAL (METER->AMP.)
3	GR	COMMUNICATION SIGNAL (AMP->METER)
5	B	GROUND
6	W	ALTERNATOR SIGNAL
7	LG	AIR BAG
10	P	SECURITY
15	B	GROUND
16	W	METER CONTROL SWITCH GROUND

18	GR	ILL. GND
19	B	ILL. GND
20	R	ILL.
21	GR	IGNITION POWER SUPPLY
22	B	GROUND
24	BR	COMMUNICATION SIGNAL (LCD->AMP.)
25	Y	COMMUNICATION SIGNAL (AMP->LCD)
26	G	VEHICLE SPEED (B-PULSE)
27	BG	PARKING BRAKE SWITCH
28	L	BRAKE FLUID LEVEL SWITCH
29	LG	SEAT BELT BUCKLE SW (DRIVER SIDE)
30	G	SEAT BELT
31	L	WASHER LEVEL SWITCH
33	R	ILLUMINATION CONTROL
36	LG	SELECT SWITCH
37	SB	ENTER SWITCH
38	L	TRIP A/B RESET SWITCH
39	P	ILLUMINATION CONTROL SWITCH (-)
40	BG	ILLUMINATION CONTROL SWITCH (+)

Connector No.	M59
Connector Name	BACK-UP LAMP RELAY
Connector Type	MS12FL-M2-LC



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	W	-
3	BR	-
5	BG	-

Connector No.	M116
Connector Name	WIRE TO WIRE
Connector Type	TK38MF-NS10



Terminal No.	Color of Wire	Signal Name [Specification]
2	W	-
3	BG	-
4	P	-
5	B	-
9	R	-
10	R	-
19	BG	-
20	Y	-
28	B	-
29	LG	-
30	BR	-
31	W	-
33	B	-
34	B	-
35	L	-
36	P	-
37	V	-
38	SB	-
41	BG	-
42	G	-
43	P	-
44	L	-
45	Y	-
46	V	-

JCMWM6107G

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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

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### IGNITION POWER SUPPLY FUSE No. 44



Connector No.	Terminal No.	Connect to
(F102)	53	ECM
(F121)	1	FUEL INJECTOR No. 1
(F122)	1	FUEL INJECTOR No. 2
(F123)	1	FUEL INJECTOR No. 3
(F124)	1	FUEL INJECTOR No. 4
(F125)	1	FUEL INJECTOR No. 5
(F126)	1	FUEL INJECTOR No. 6
(M123)	123	BCM (BODY CONTROL MODULE)

A  
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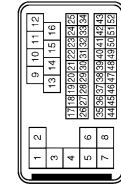
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## IGNITION POWER SUPPLY FUSE No. 44

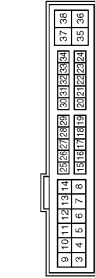
Connector No.	E3
Connector Name	WIRE TO WIRE
Connector Type	SA33MB-FSS-SH28



Terminal No.	Color of Wire	Signal Name [Specification]
1	L/Y	-
2	SHIELD	-
3	L/B	-
4	SHIELD	-
5	BR	-
7	G	-
8	W	-
9	W	-
10	Y	-
11	P	-
12	SB	-
13	BR	-
14	G	-
15	R	-
16	LG	-
17	P	-
18	Y	-
19	BG	-
20	B	-
21	SB	-
22	W	-
23	L	-
24	G	-
25	V	-
27	GR	-
28	V	-
29	P	-
30	R	-
31	BR	-
32	Y	-
33	G	-
34	BG	-
37	SHIELD	-
38	L	-
39	P	-
40	R	-
41	W	-
42	LG	-

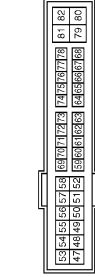
43	G	-
45	BG	-
46	SHIELD	-
47	W	-
48	BR	-
49	G	-
50	B	-
51	SB	-
52	R	-

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



Terminal No.	Color of Wire	Signal Name [Specification]
4	V	-
5	L	-
7	R	-
11	BR	-
12	B/W	-
13	Y	-
16	LG	-
19	W	-
25	G	-
26	R	-
27	BG	-
28	L	-
30	GR	-
32	V	-
33	P	-
36	G	-

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



Terminal No.	Color of Wire	Signal Name [Specification]
48	BR	-
49	BG	-
51	Y	-
53	W	-
54	P	-
55	SB	-
56	LG	-
57	G	-
58	GR	-
69	BR	-
70	BG	-
73	P	-
74	G	-
75	SB	-
76	Y	-
77	R	-
80	W	-



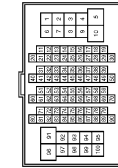
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## IGNITION POWER SUPPLY FUSE No. 44

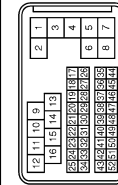
Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	TH80FN-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	
3	EG	
5	G	
6	BG	
7	LG	
10	W	
11	V	
12	R	
13	L	
14	GR	
15	P	
16	W	
17	V	
18	BG	
19	GR	
20	LG	
30	R	
31	L	
32	BG	
33	P	
34	V	
36	RR	
38	W	
37	Y	
38	R	
39	B	
40	G	
41	W	
42	LG	
43	SB	
44	GR	
45	BG	
46	LG	
47	V	
48	P	
49	L	
58	B	
66	LG	

67	SB		
68	R		
69	W		
70	G		
80	W		
81	P		
82	G		
83	V		
84	L		
85	BG		
86	LG		
87	Y		
88	GR		
89	W		
91	G		
93	GR		
95	Y		
96	Y		
97	BR		
98	SHIELD		
99	L		
100	P		

Connector No.	F1
Connector Name	WIRE TO WIRE
Connector Type	SAA38FB-RS8-SHZ8



Terminal No.	Color of Wire	Signal Name [Specification]
1	L/Y	
2	SHIELD	
3	L/B	
4	SHIELD	
5	BR	
7	G	
8	W	
9	W	
10	G	
11	R	
12	P	
13	L	
14	LG	
15	R	

16	Y		
17	W		
18	LG		
19	P		
20	O		
21	BR		
22	G		
23	Y		
24	LG		
25	V		
27	GR		
28	BR		
29	L		
30	R		
31	P		
32	W		
33	SB		
34	O		
37	SHIELD		
38	W		
39	Y		
40	G		
41	B		
42	GR		
43	R		
45	O		
46	SHIELD		
47	W/L		
48	LG		
49	O/L		
50	L/Y		
51	W		
52	L/G		

Connector No.	F10
Connector Name	WIRE TO WIRE
Connector Type	RH08FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	
2	GR	
3	BR	

4	R		
5	O		
6	W		
7	V		

A  
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D  
E  
F  
G  
H  
I  
J  
K  
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PG  
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P

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## IGNITION POWER SUPPLY FUSE No. 44

Connector No.	F102
Connector Name	ECM
Connector Type	RH40BR-R26-L-LH-Z

Terminal No.	Color of Wire	Signal Name [Specification]
48	GR	MOTOR 2-B2
49	GR	MOTOR 1-B2
50	V	VMOT-1-B2
51	W	IGNSW
52	R	ENG CAN-L1
53	Y	ENG CAN-H1
54	LG	AF-1/OZSF 1
55	L	PHASE#1
56	O	AVCC-PHS 1-E-PHS 1/PS
57	G	AF-1
58	R	PHASE#2
59	L	AVCC-PHS 2/OU
60	SB	AF-2/OZSF 2
61	LG	AF-2
62	V	TA 1
63	P	GNDA-GA 1/TA 1
64	LG	GNDA-KNK 2
65	W	GNDA-KNK 1
66	W	GNDA-KNK 1
67	W	GNDA-KNK 1
68	W	GNDA-KNK 1
69	W	GNDA-KNK 1
70	W	GNDA-KNK 1
71	W	GNDA-KNK 1
72	W	GNDA-KNK 1
73	W	GNDA-KNK 1
74	W	GNDA-KNK 1
75	W	GNDA-KNK 1
76	W	GNDA-KNK 1
77	W	GNDA-KNK 1
78	W	GNDA-KNK 1
79	W	GNDA-KNK 1
80	W	GNDA-KNK 1
81	W	GNDA-KNK 1
82	W	GNDA-KNK 1
83	W	GNDA-KNK 1
84	W	GNDA-KNK 1
85	W	GNDA-KNK 1
86	W	GNDA-KNK 1
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90	W	GNDA-KNK 1
91	W	GNDA-KNK 1
92	W	GNDA-KNK 1
93	W	GNDA-KNK 1
94	W	GNDA-KNK 1
95	W	GNDA-KNK 1



96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150
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Terminal No.	Color of Wire	Signal Name [Specification]
1	G	GNDA-PHASE#1/PS
2	P	GNDA-PHASE#1/PS

Connector No.	F120
Connector Name	WIRE TO WIRE
Connector Type	RH40MB



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	FUEL INJECTOR No. 1
2	GR	FUEL INJECTOR No. 1
3	BR	FUEL INJECTOR No. 1
4	R	FUEL INJECTOR No. 1
5	O	FUEL INJECTOR No. 1
6	W	FUEL INJECTOR No. 1
7	V	FUEL INJECTOR No. 1

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



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	FUEL INJECTOR No. 1
2	GR	FUEL INJECTOR No. 1

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

Terminal No.	Color of Wire	Signal Name [Specification]
1	G	FUEL INJECTOR No. 2
2	BR	FUEL INJECTOR No. 2



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	FUEL INJECTOR No. 3
2	W	FUEL INJECTOR No. 3

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



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	FUEL INJECTOR No. 4
2	R	FUEL INJECTOR No. 4

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



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	FUEL INJECTOR No. 5
2	O	FUEL INJECTOR No. 5

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

Terminal No.	Color of Wire	Signal Name [Specification]
1	G	FUEL INJECTOR No. 5
2	W	FUEL INJECTOR No. 5



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	FUEL INJECTOR No. 6
2	W	FUEL INJECTOR No. 6

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



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	FUEL INJECTOR No. 7
2	V	FUEL INJECTOR No. 7

JCMWM6111G1

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## IGNITION POWER SUPPLY FUSE No. 44

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS (E-TM4)



Terminal No.	Color of Wire	Signal Name [Specification]
1	BG	-
3	R	-
5	G	-
6	L	-
7	W	-
10	W	-
11	V	-
12	R	-
13	L	-
14	GR	-
15	P	-
16	W	-
17	BR	-
18	BG	-
19	L	-
20	L	-
30	R	-
31	SB	-
32	Y	-
33	BG	-
34	R	-
35	BR	-
36	SB	-
37	Y	-
38	LG	-
39	SB	-
40	P	-
41	W	-
42	LG	-
43	R	-
44	Y	- [With A/T] - [With M/T]
44	P	-
45	BG	-
46	G	-
47	V	-
48	P	-
49	L	-
50	B	-

66	GR	-	-
67	P	-	-
68	L	-	-
69	W	-	-
70	BR	-	-
80	L	-	-
81	R	-	-
82	V	-	-
83	W	-	-
84	L	-	-
85	BG	-	-
86	W	-	-
87	G	-	-
88	B	-	-
89	SB	-	-
91	L	-	-
93	Y	-	-
95	Y	-	-
96	R	-	-
97	P	-	-
98	SHIELD	-	-
99	V	-	-
100	SB	-	-

Connector No.	M123
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FC-NH



Terminal No.	Color of Wire	Signal Name [Specification]
112	R	RAIN SENSOR SERIAL LINK
113	BG	OPTICAL SENSOR
114	P	CLUTCH INTERLOCK SW
116	SB	STOP LAMP SW 1
118	BR	STOP LAMP SW 2
119	SB	DR DOOR UNLOCK SENSOR
121	G	KEY SLOT SW
123	W	IGN F/B
124	LG	PASSENGER DOOR SW
129	Y	TRUNK LID OPENER CANCEL SW
132	V	POWER WINDOW SW COMM
133	L	PUSH-BUTTON IGNITION SW ILL POWER
134	R	LOCK IND

137	BG	RECEIVER / SENSOR GND
138	V	RECEIVER / SENSOR POWER SUPPLY
139	L	TIRE PRESSURE RECEIVER COMM
140	Y	SHIFT N/P
141	P	SECURITY INDICATOR
142	LG	COMBI SW OUTPUT 5
143	V	COMBI SW OUTPUT 1
144	G	COMBI SW OUTPUT 2
145	L	COMBI SW OUTPUT 3
146	SB	COMBI SW OUTPUT 4
149	W	TIRE PRESSURE WARN CHECK SW
150	R	DRIVER DOOR SW
151	G	REAR WINDOW DEFOGGER RELAY CONT

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# POWER SUPPLY ROUTING CIRCUIT




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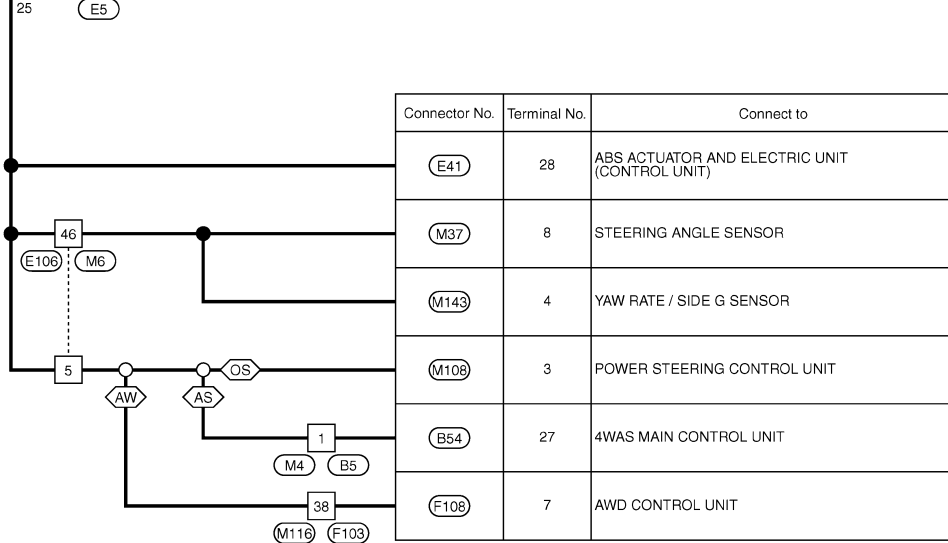
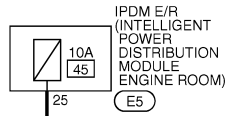
[POWER SUPPLY & GROUND CIRCUIT]

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

INFOID:000000005660566

### IGNITION POWER SUPPLY FUSE No. 45

-  : AWD models
-  : With 4WAS
-  : Without 4WAS



Connector No.	Terminal No.	Connect to
E41	28	ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT)
M37	8	STEERING ANGLE SENSOR
M143	4	YAW RATE / SIDE G SENSOR
M108	3	POWER STEERING CONTROL UNIT
B54	27	4WAS MAIN CONTROL UNIT
F108	7	AWD CONTROL UNIT

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JCMWM6113GI

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

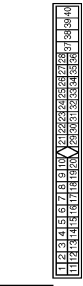
## IGNITION POWER SUPPLY FUSE No. 45

Connector No.	B55
Connector Name	WIRE TO WIRE
Connector Type	TH08MW-NH



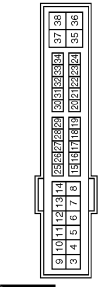
Terminal No.	Color of Wire	Signal Name [Specification]
1	V	-
2	LG	-
3	Y	-
5	GR	-
6	BR	-

Connector No.	B54
Connector Name	AWAS MAIN CONTROL UNIT
Connector Type	A38FW-M4



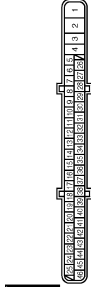
Terminal No.	Color of Wire	Signal Name [Specification]
1	L	CAN-H
4	BR	R-ANG GND
5	W	R-ANG VCC
7	R	R-ANG SUB SIG
8	P	CAN-L
15	G	R-ANG MAIN SIG
22	GR	STOP LAMP
25	SB	R-MTR RLY
27	V	IGN
31	BR	CAN-H
32	Y	CAN-L
34	B	GND
36	LG	P/S SOL
37	P	R-MTR PWR SUPPLY
38	Y	R-MTR (RH)
38	G	R-MTR (LH)
40	B	R-MTR GND

Connector No.	E45
Connector Name	ENGINE INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	TH20PW-CS12-M4-1V



Terminal No.	Color of Wire	Signal Name [Specification]
4	V	-
5	L	-
7	R	-
11	BR	-
12	B/W	-
13	Y	-
16	LG	-
19	W	-
25	G	-
26	R	-
27	BG	-
28	L	-
30	GR	-
32	V	-
33	P	-
36	G	-

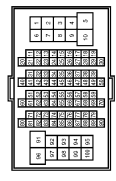
Connector No.	E41
Connector Name	ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT)
Connector Type	BAANZFB-ANZA-LH



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	GND
2	L	UBMR
3	R	LEVR
4	B	GND
5	Y	DS.FL
6	BG	DP.RL

7	BR	DP.BR
9	B	DP.FR
10	W	DS.FR
11	V	DIAG-K
14	P	CAN-L
25	Y	BUS-L
26	LG	DP.FL
27	GR	DS.RL
28	G	UZ
29	P	DS.RR
30	SB	BLS
31	R	ESP.OFF SWITCH
35	L	CAN-H
45	B	BUS-H

Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	TH08PW-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
3	BG	-
5	G	-
6	BG	-
7	LG	-
10	W	-
11	V	-
12	R	-
13	L	-
14	GR	-
15	P	-
16	W	-
17	V	-
18	BG	-
19	GR	-
20	LG	-
30	R	-
31	L	-
32	BG	-
33	P	-
34	V	-
35	BR	-

36	W	-
37	Y	-
38	R	-
39	B	-
40	G	-
41	W	-
42	LG	-
43	SB	-
44	GR	-
45	BG	-
46	LG	-
48	V	-
47	P	-
49	L	-
59	B	-
66	LG	-
67	SR	-
68	R	-
69	W	-
70	G	-
80	W	-
81	P	-
82	G	-
83	V	-
84	L	-
85	BG	-
86	LG	-
87	Y	-
88	GR	-
89	W	-
91	G	-
93	GR	-
95	Y	-
96	Y	-
97	BR	-
98	SHIELD	-
99	L	-
100	P	-

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

JCMWM6114G1

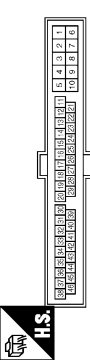
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

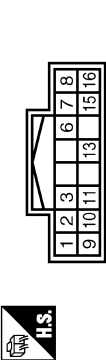
## IGNITION POWER SUPPLY FUSE No. 45

Connector No.	F103
Connector Name	WIRE TO WIRE
Connector Type	TH08FW-NS10



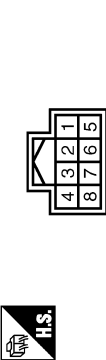
Terminal No.	Color of Wire	Signal Name [Specification]
2	G	-
3	W	-
4	R	-
5	B	-
9	Y	-
10	GR	-
18	O	-
20	Y	-
28	B	-
29	LG	-
30	R	-
31	R	-
33	B	-
34	B	-
35	L	-
36	P	-
37	Y	-
38	G	-
41	O	-
42	BR	-
43	P	-
44	L	-
45	G	-
46	V	-

Connector No.	F108
Connector Name	AWD CONTROL UNIT
Connector Type	TH16FV-NH



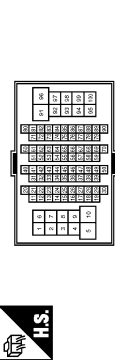
Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	AMD SOL (+)
2	Y	AMD SOL (-)
3	W	OIL TEMP (C)
7	G	IGN
8	L	CAN-H
9	O	AMD SOL BAT
10	B	GND
11	B	GND
13	LG	OIL TEMP (-)
15	Y	VB
16	P	CAN-L

Connector No.	M4
Connector Name	WIRE TO WIRE
Connector Type	TH08FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	LG	-
3	Y	-
5	P	-
6	SB	-

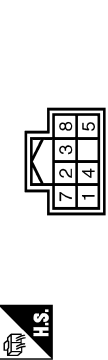
Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-C516-TM4



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

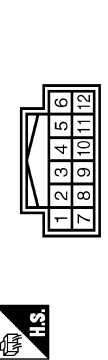
93	Y	-
95	Y	-
96	R	-
97	P	-
98	SHIELD	-
99	V	-
100	SB	-

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



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	CAN-H
2	P	CAN-L
7	B	GND
8	G	IGN

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



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	SOL
3	G	VIGN
5	B	SOL_GND
6	B	GND
8	L	VSP
10	R	TAGHD

5	G	-
6	L	-
7	W	-
10	W	-
11	V	-
12	R	-
13	L	-
14	GR	-
15	P	-
16	W	-
17	BR	-
18	BG	-
19	L	-
20	L	-
30	R	-
31	SB	-
32	Y	-
33	BG	-
34	R	-
35	BR	-
36	SB	-
37	Y	-
38	LG	-
39	SB	-
40	P	-
41	W	-
42	LG	-
43	R	-
44	Y	- [With A/T]
44	P	- [With M/T]
45	BG	-
46	G	-
47	V	-
48	P	-
48	L	-
49	B	-
59	GR	-
67	P	-
68	L	-
69	W	-
70	BR	-
80	L	-
81	R	-
82	V	-
83	W	-
84	L	-
85	BG	-
86	W	-
87	G	-
88	B	-
89	SB	-
91	L	-

# POWER SUPPLY ROUTING CIRCUIT

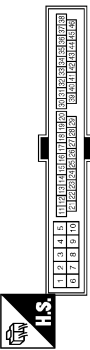
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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

## IGNITION POWER SUPPLY FUSE No. 45

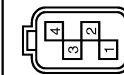
Connector No.	M116
Connector Name	WIRE TO WIRE
Connector Type	TK38MW*NS.0



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	GND
2	Y	BUS-L
3	SB	BUS-H
4	G	12V

Terminal No.	Color of Wire	Signal Name [Specification]
2	W	-
3	EG	-
4	P	-
5	B	-
8	R	-
10	R	-
19	EG	-
20	Y	-
28	B	-
29	LG	-
30	BR	-
31	W	-
33	B	-
34	B	-
35	L	-
36	P	-
37	V	-
38	SB	-
41	EG	-
42	G	-
43	P	-
44	L	-
45	Y	-
46	V	-

Connector No.	M143
Connector Name	YAW RATE / SIDE G SENSOR
Connector Type	AAZ04FE



JCMWM6116GI

# POWER SUPPLY ROUTING CIRCUIT

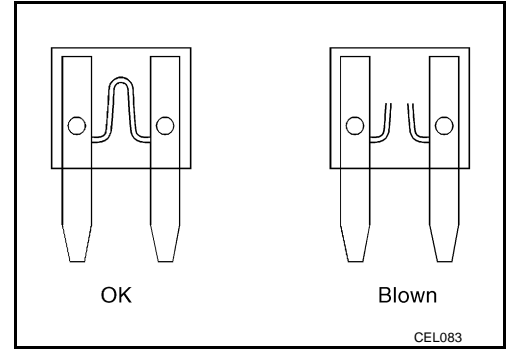
## [POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

### Fuse

INFOID:000000005660567

- 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

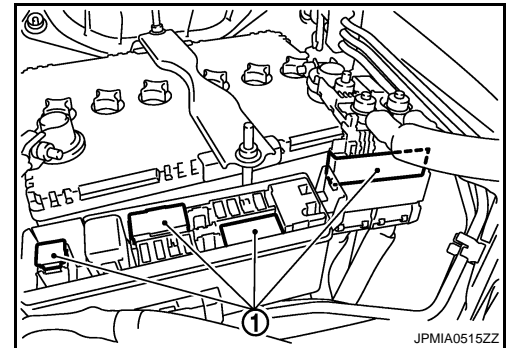
INFOID:000000005660568

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:

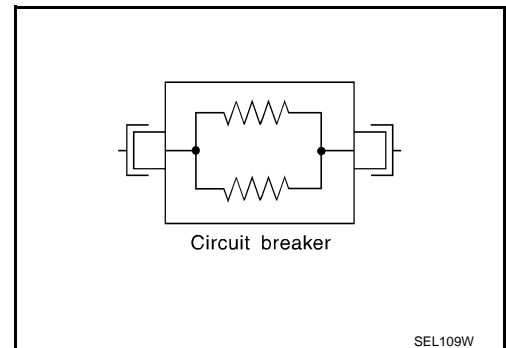
- If fusible link should melt, it is possible that critical circuit (power supply or large current carrying circuit) is shorted. In such a case, carefully check and eliminate cause of malfunction.
- Never wrap outside of fusible link with vinyl tape. Important: Never let fusible link touch any other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



### Circuit Breaker

INFOID:000000005660569

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

< DTC/CIRCUIT DIAGNOSIS >

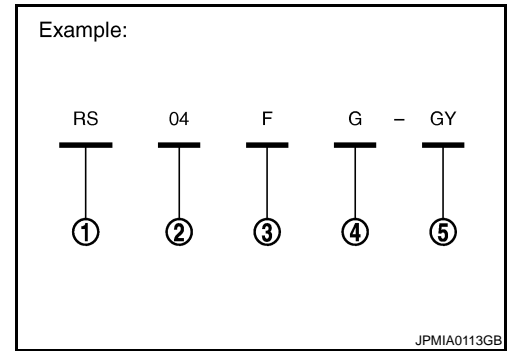
[POWER SUPPLY & GROUND CIRCUIT]

## HARNESS LAYOUT

### How To Read Harness Layout

INFOID:000000005660570

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



### 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

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

PG

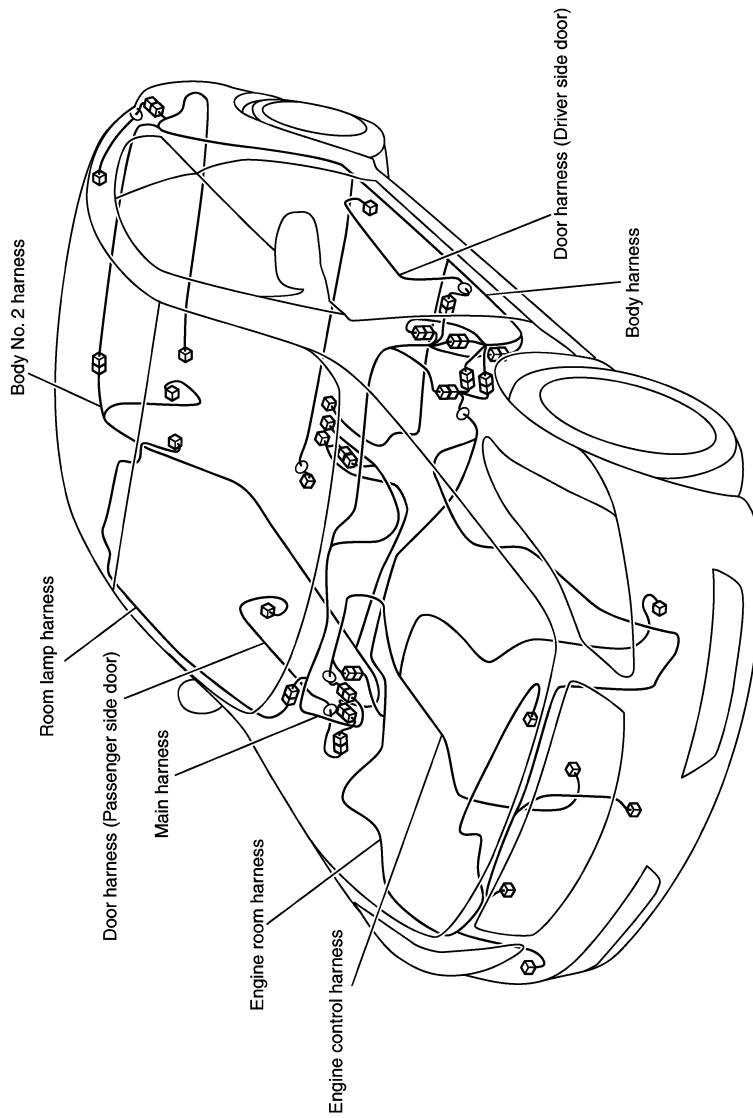
# HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Outline

INFOID:000000005894713



OUTLINE

2008/08/22

JCMIM0568GB

# HARNES LAYOUT

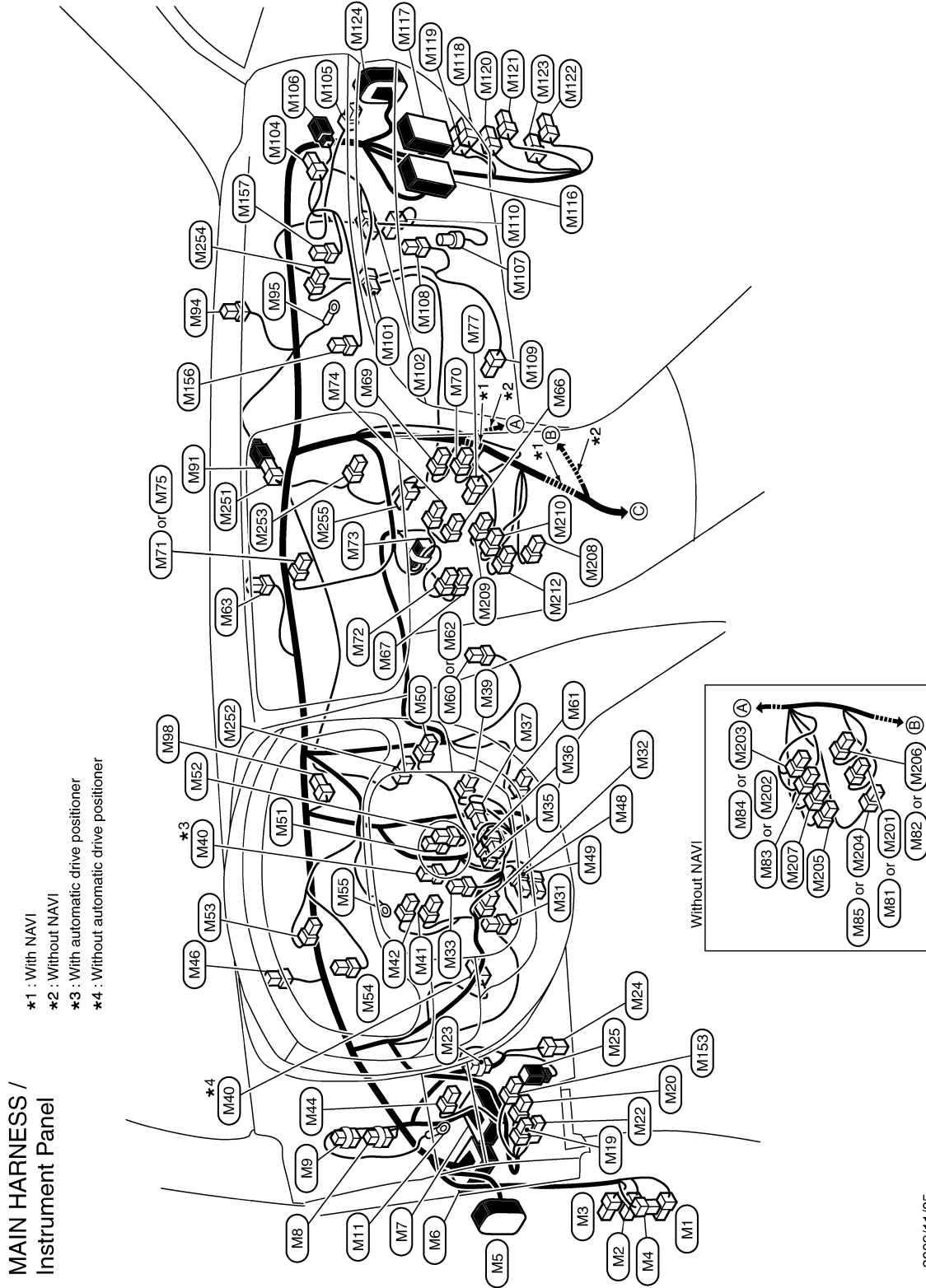
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Main Harness

INFOID:000000005660572

### INSTRUMENT PANEL



2009/11/05

JCMIM1111GB

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

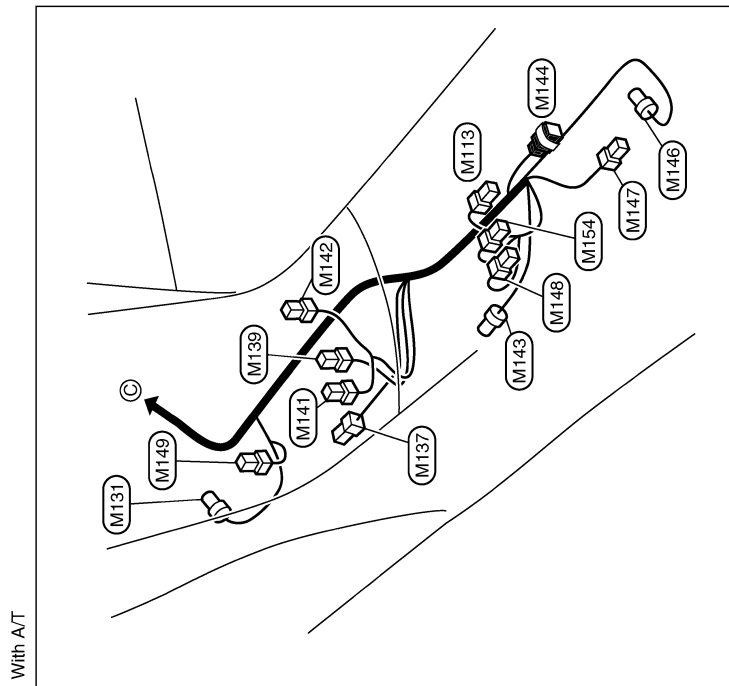
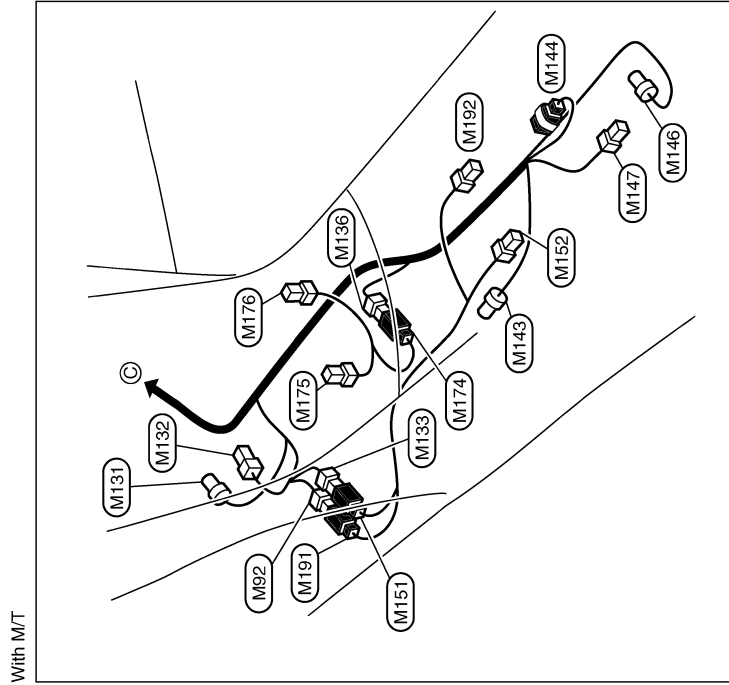
PG

# HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## FLOOR CONSOLE



Floor Console

2009/11/05

JCMIM1112GB

# HARNES LAYOUT

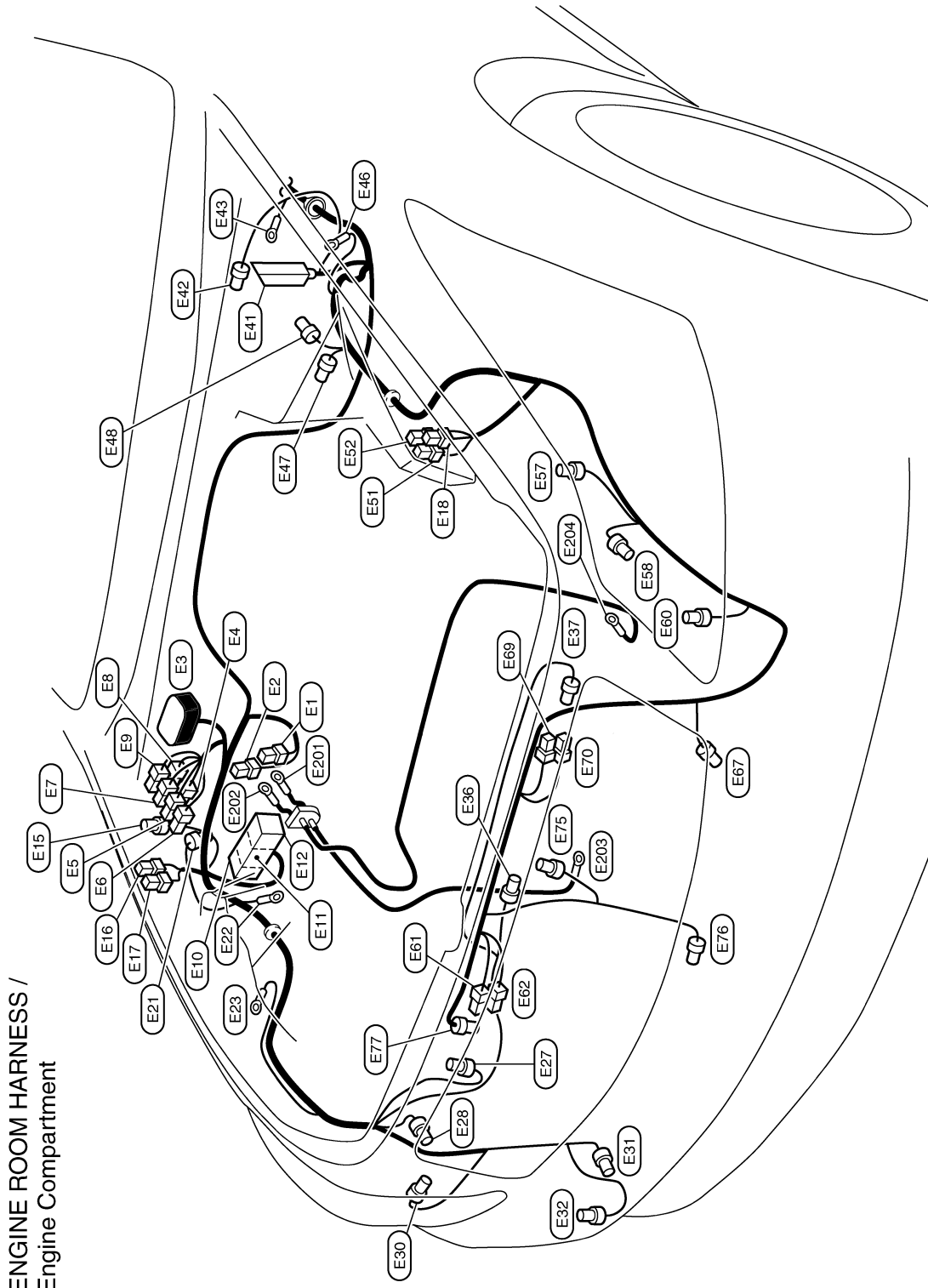
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Engine Room Harness

INFOID:000000005660573

### ENGINE COMPARTMENT



ENGINE ROOM HARNESS /  
Engine Compartment

2009/11/05

JCMIM1113GB

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

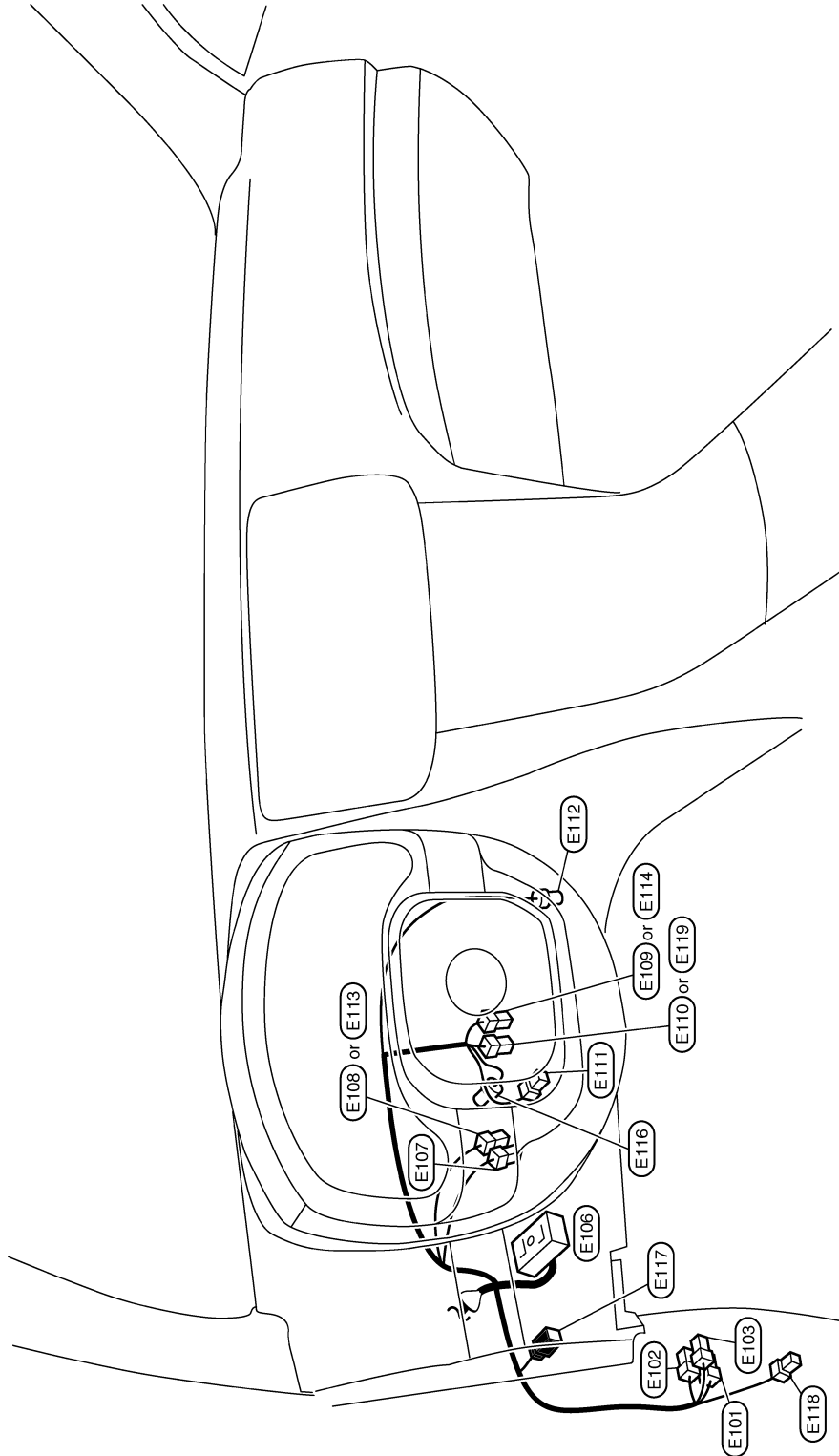
# HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

PASSENGER COMPARTMENT

Passenger Compartment



2009/11/05

JCMIM1114GB

# HARNES LAYOUT

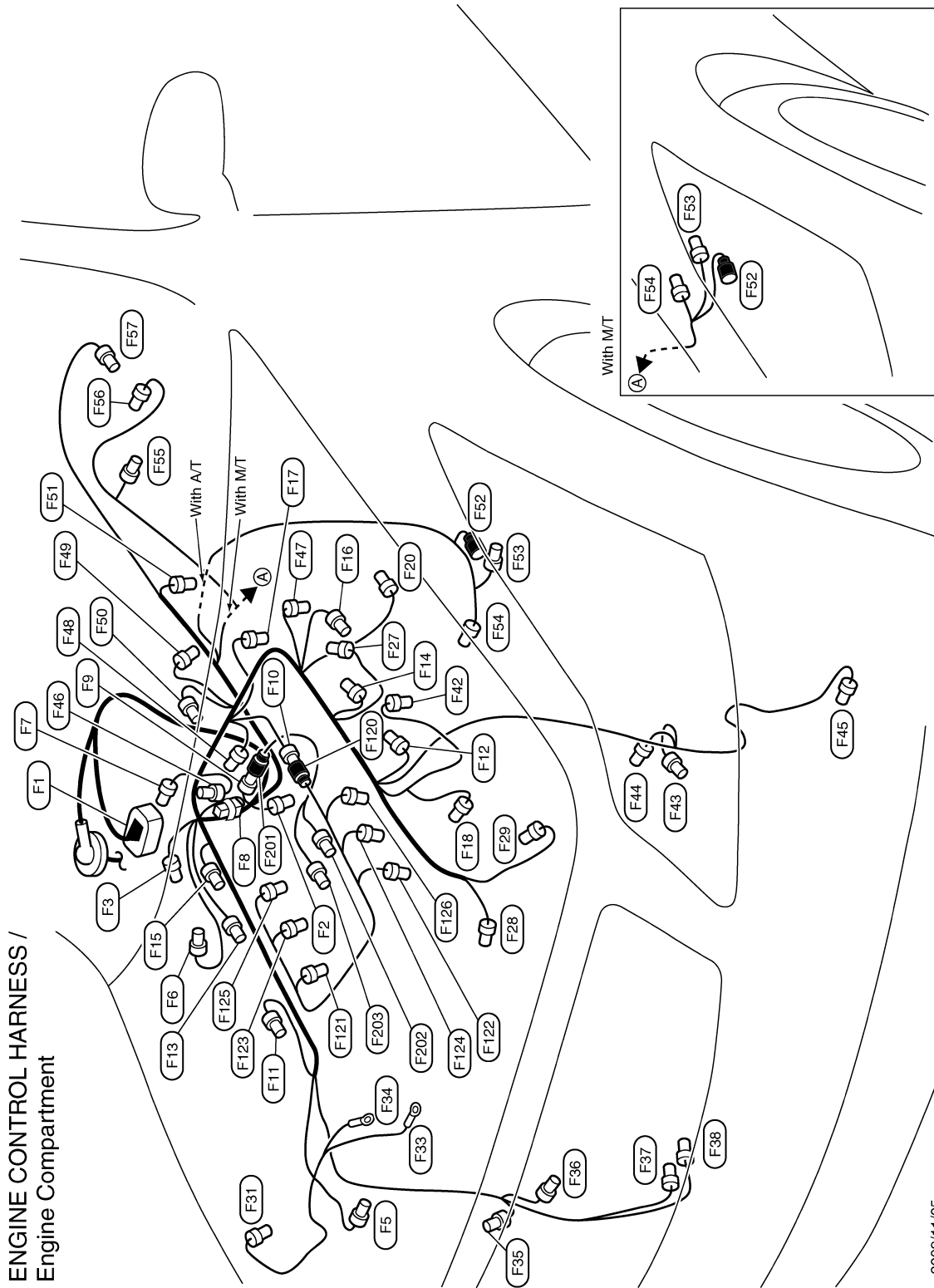
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Engine Control Harness

INFOID:000000005660574

### ENGINE COMPARTMENT



ENGINE CONTROL HARNESS /  
Engine Compartment

2009/11/05

JCMIM1115GB

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

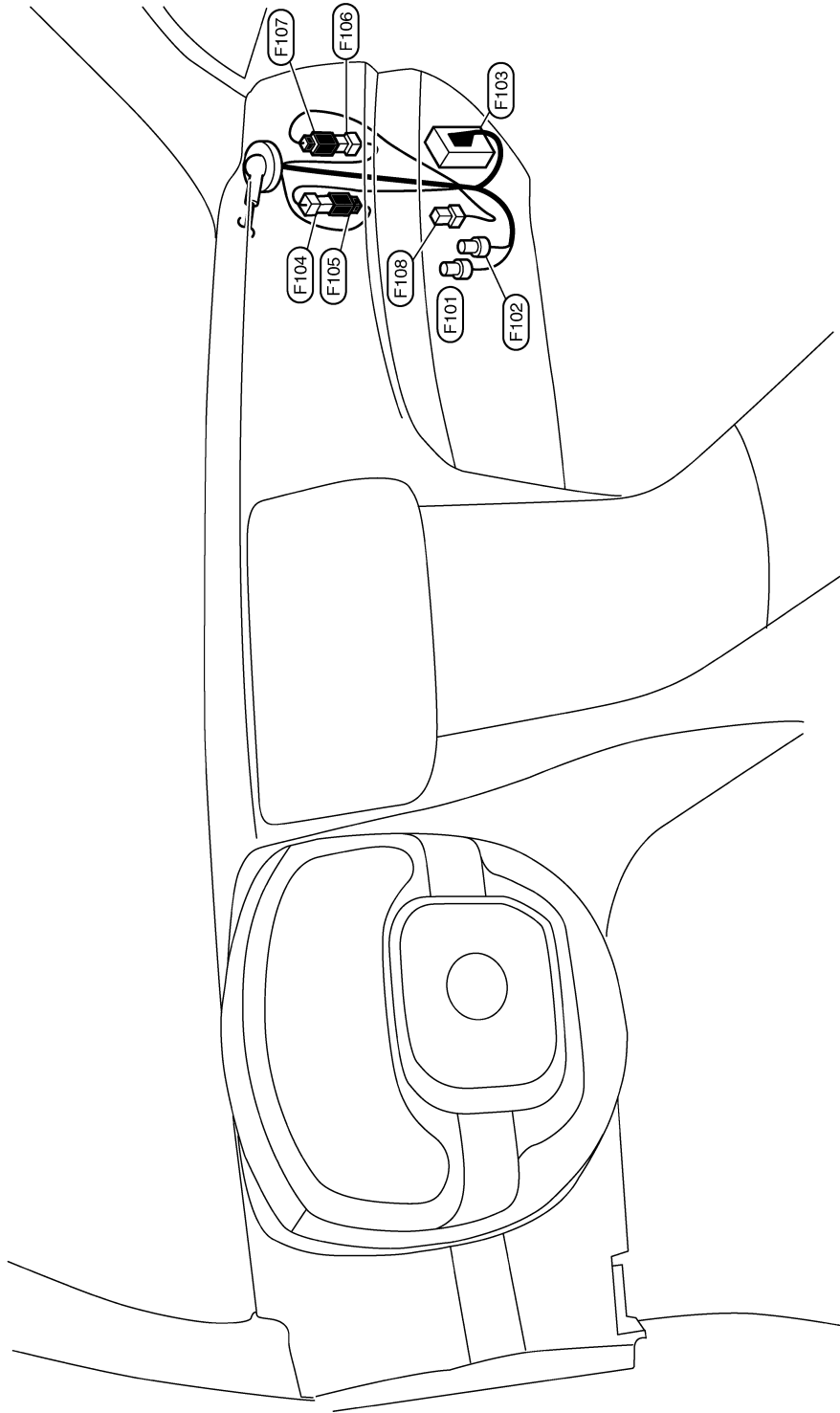
PG

# HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

PASSENGER COMPARTMENT



Passenger Compartment

2009/11/05

JCMIM1116GB



# HARNESS LAYOUT

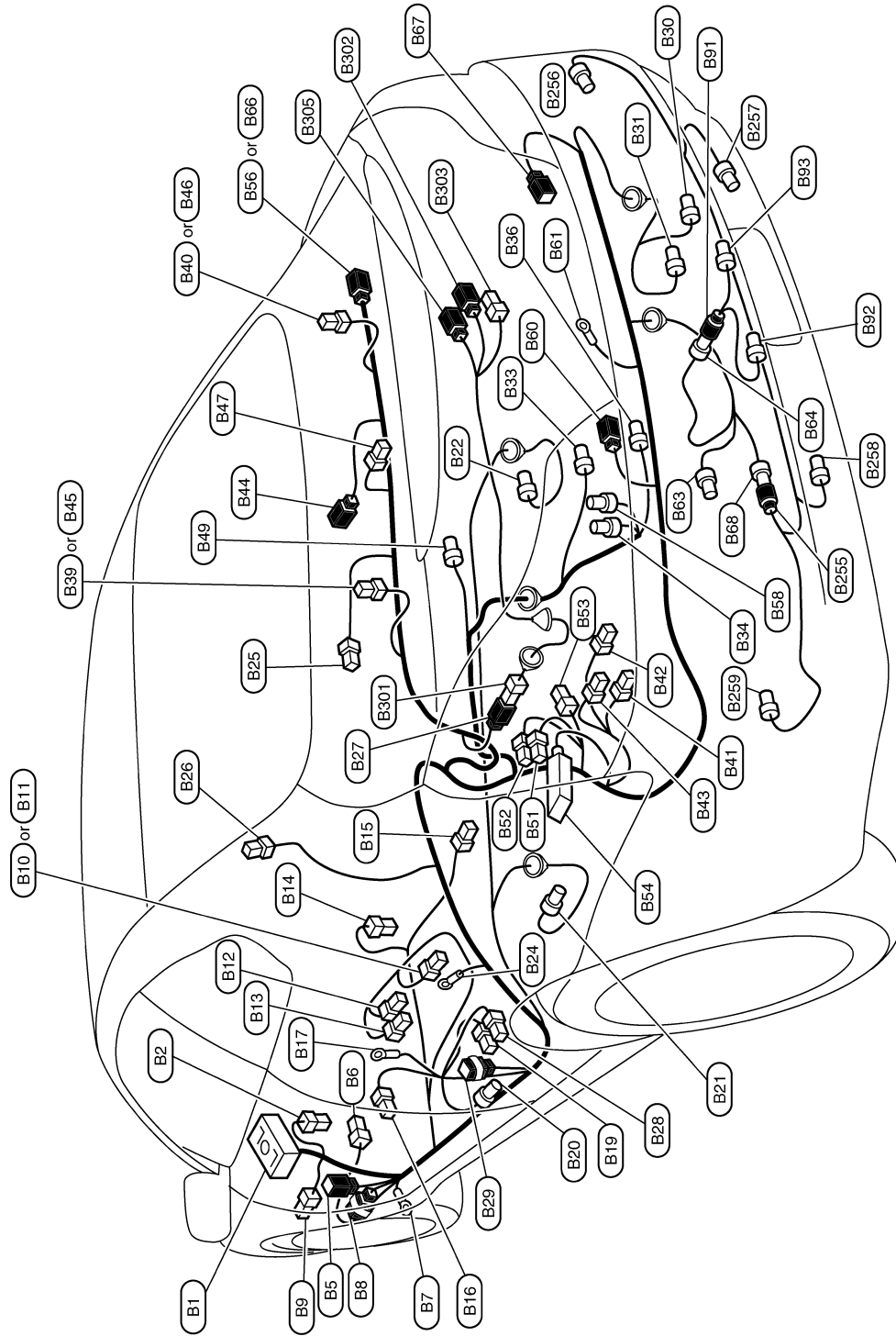
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Body Harness

INFOID:000000005660575

BODY HARNESS



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

2009/11/05

JCMIM1117GB

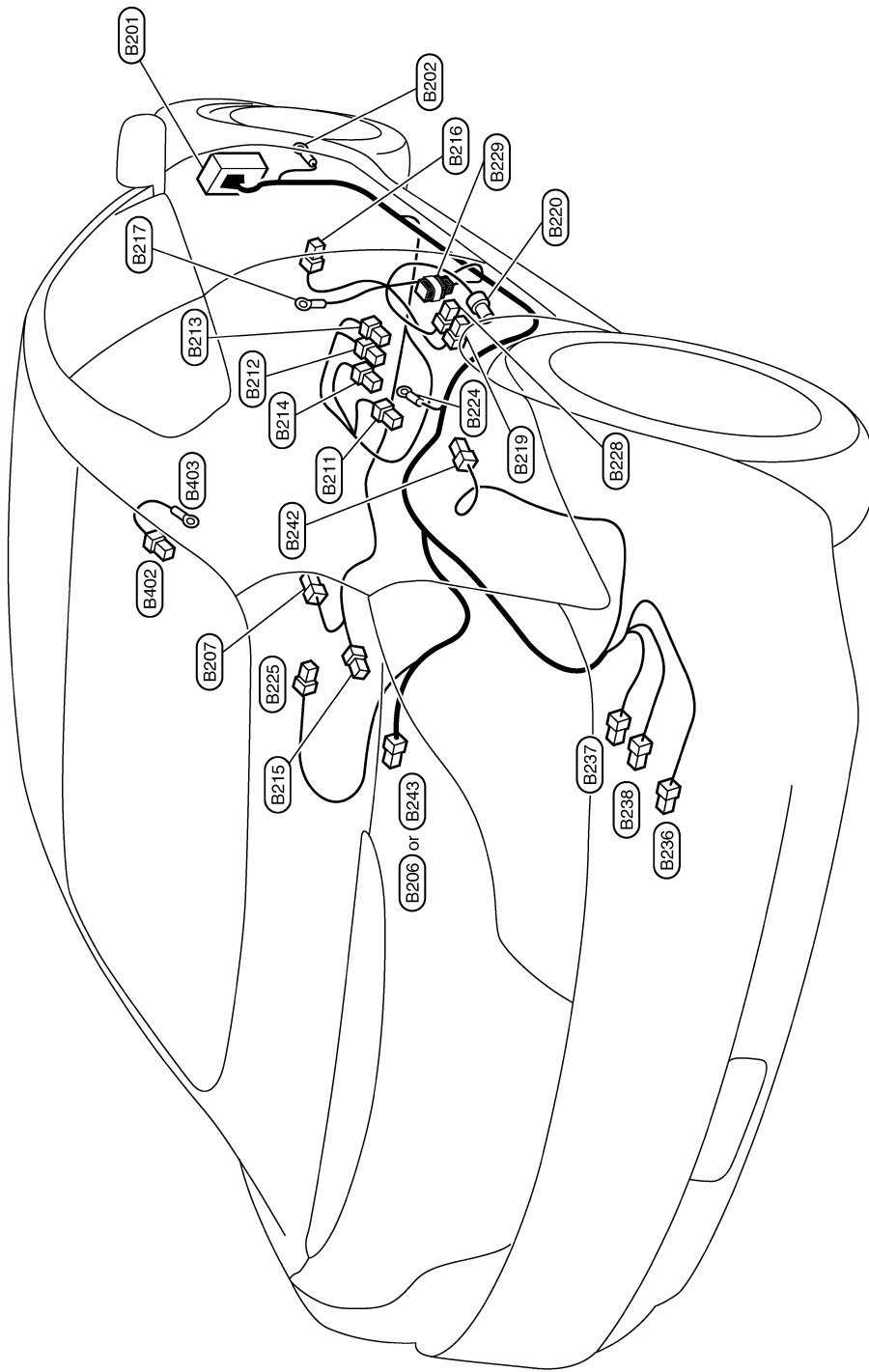
# HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Body No. 2 Harness

INFOID:000000005660576



BODY No. 2 HARNESS

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JCMIM1118GB

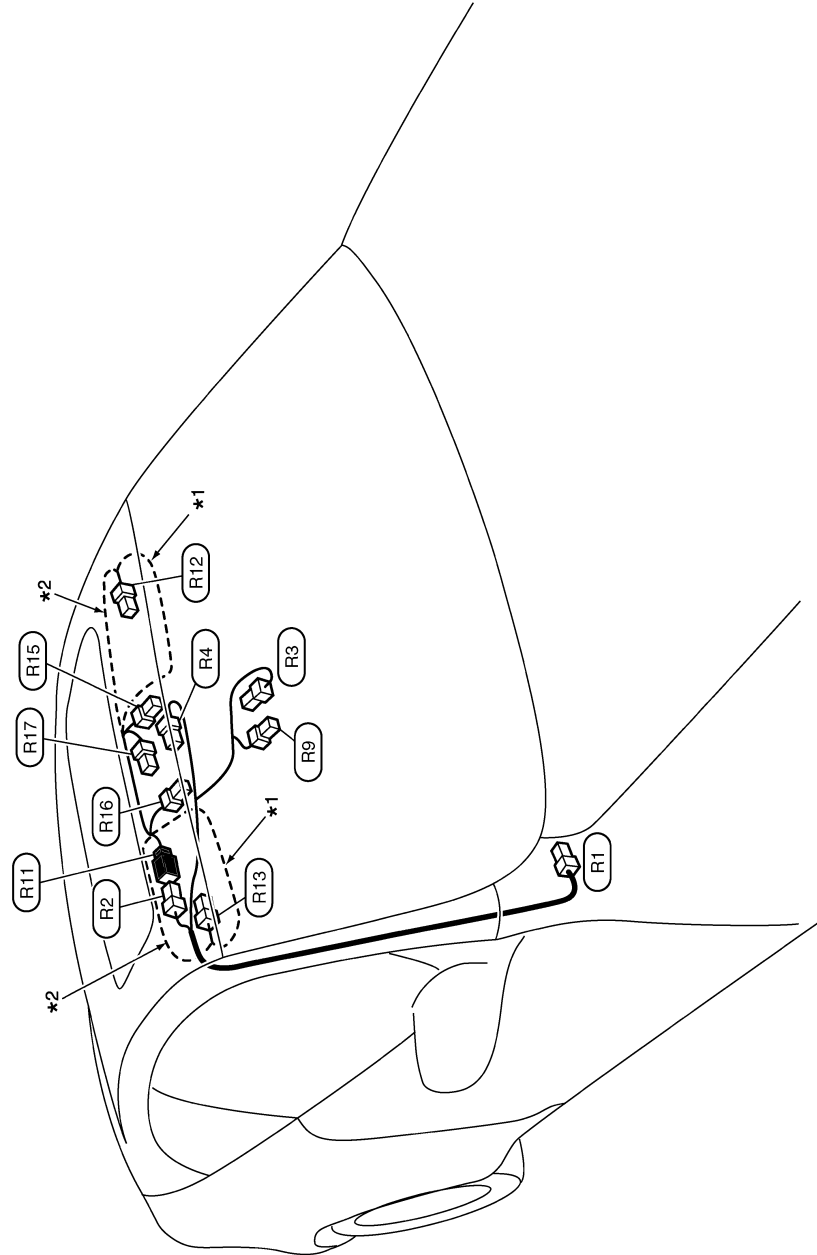
# HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Room Lamp Harness

INFOID:000000005660577



ROOM LAMP HARNESS

\*1 : With sunroof  
\*2 : Without sunroof

2009/11/05

JCMIM1119GB

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

# HARNES LAYOUT

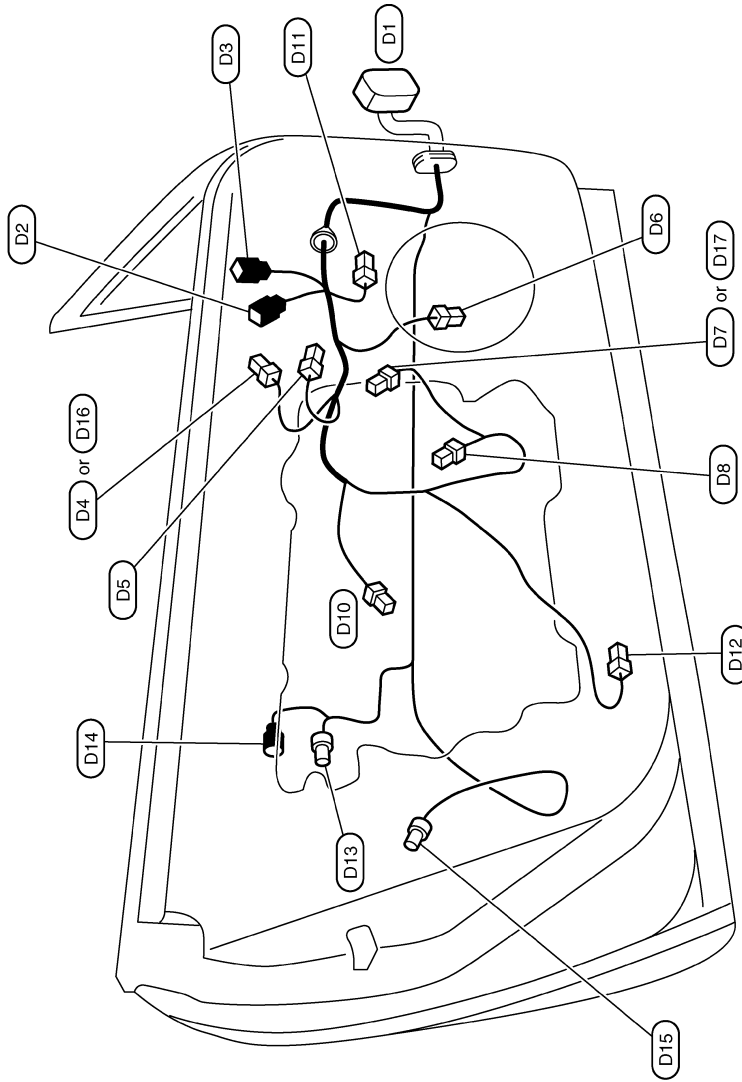
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Door Harness (Driver Side Door)

INFOID:000000005660578

DOOR HARNESS (DRIVER SIDE DOOR)



JCMIA0191GB

# HARNES LAYOUT

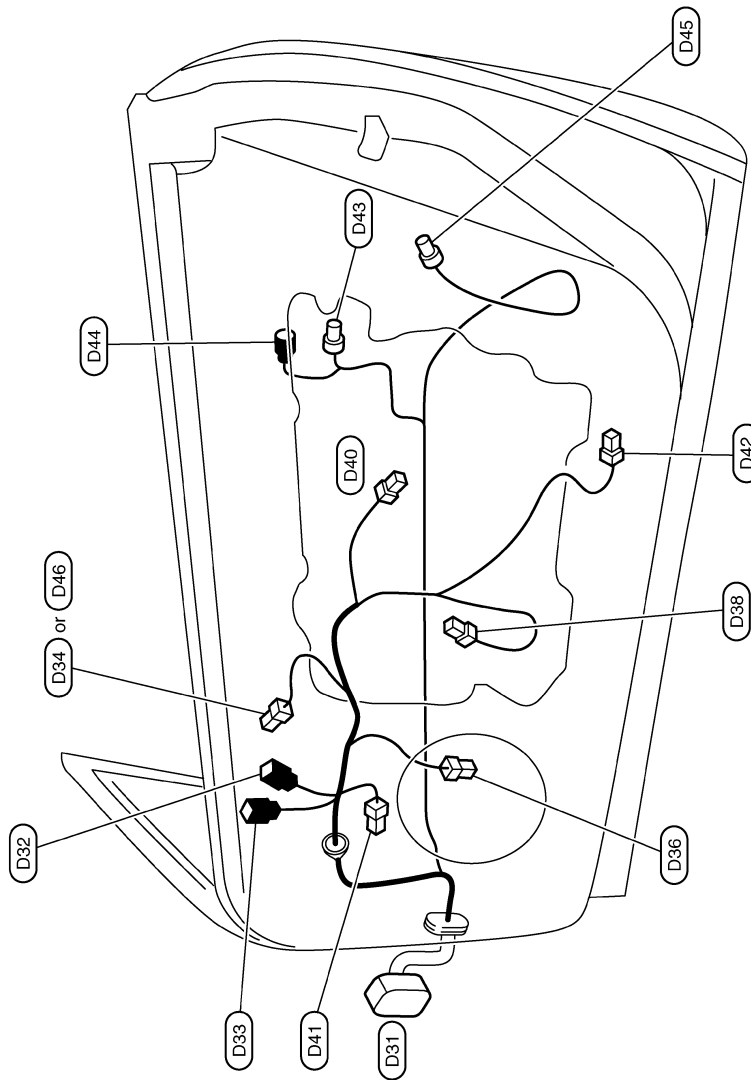
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Door Harness (Passenger Side Door)

INFOID:000000005660579

DOOR HARNESS (PASSENGER SIDE DOOR)



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

JCMIA0192GB

# HARNESS CONNECTOR

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## HARNESS CONNECTOR

### Description

INFOID:000000005660580

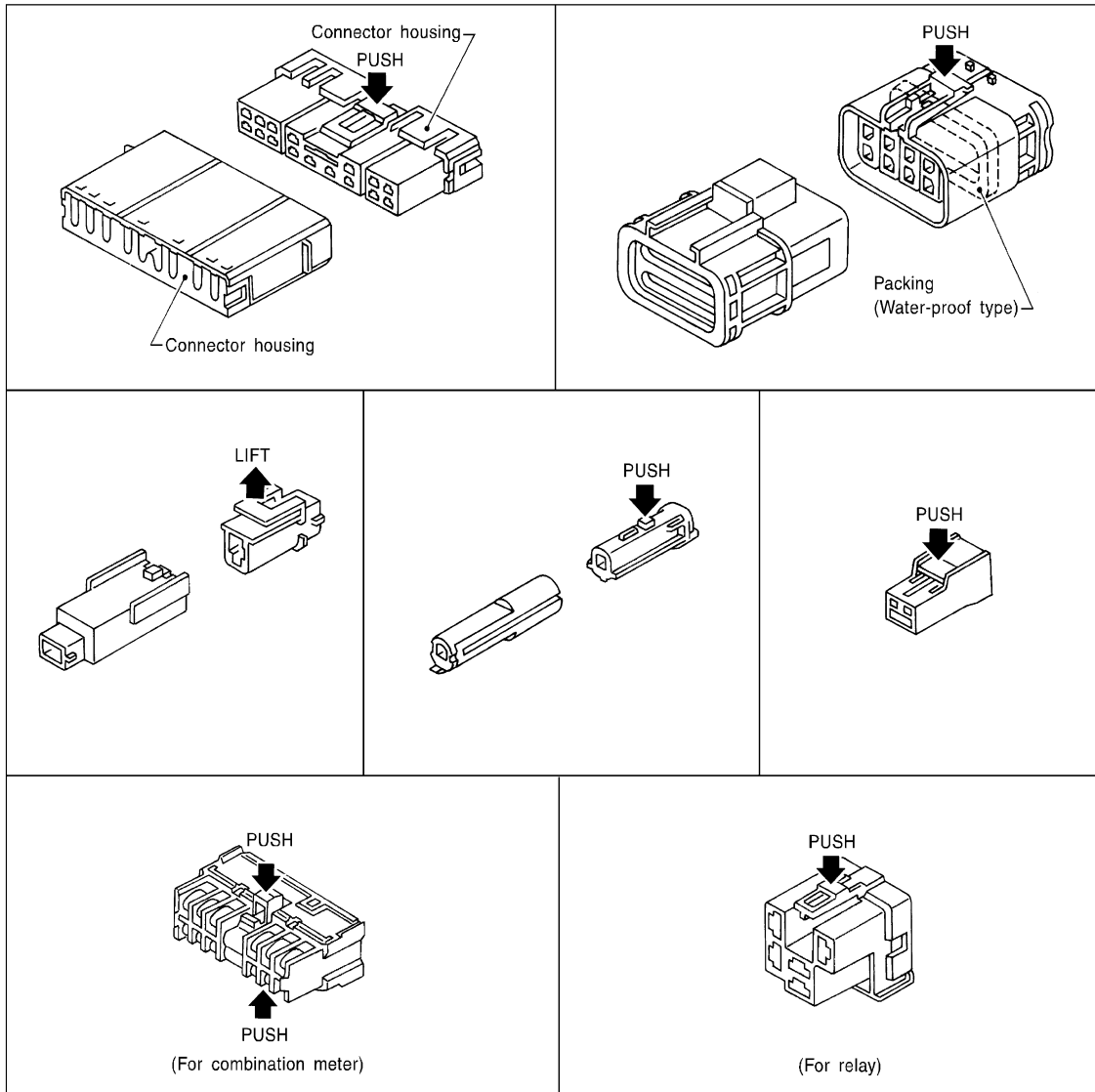
#### HARNESS CONNECTOR (TAB-LOCKING TYPE)

- 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

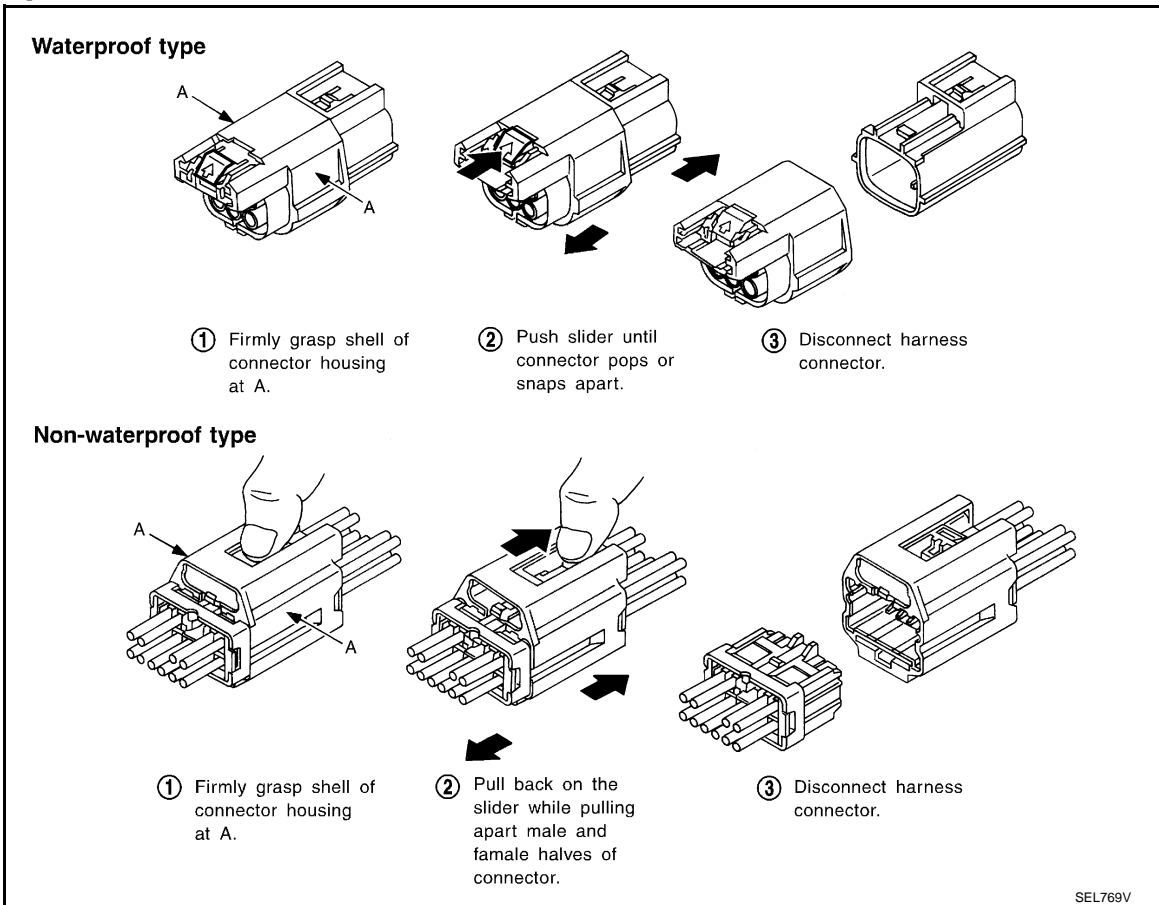
< DTC/CIRCUIT DIAGNOSIS >

[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:**

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

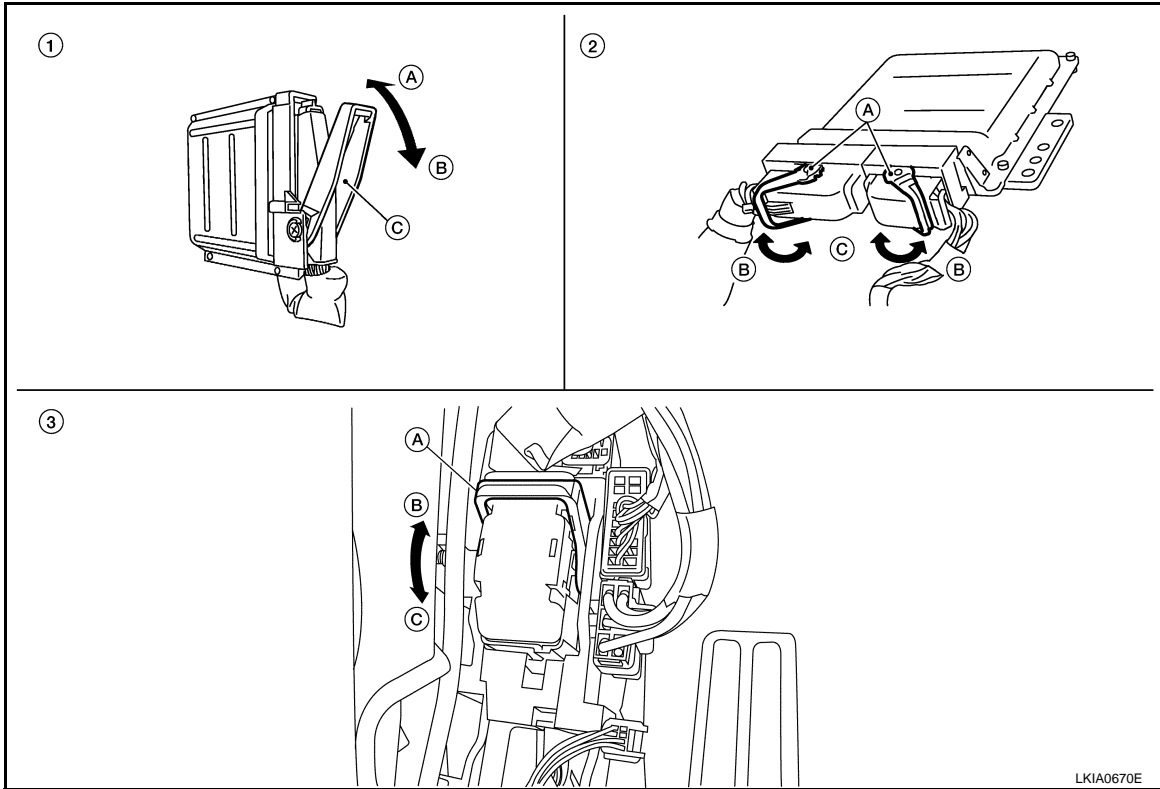
PG

# HARNESS CONNECTOR

< DTC/CIRCUIT 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



# STANDARDIZED RELAY

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

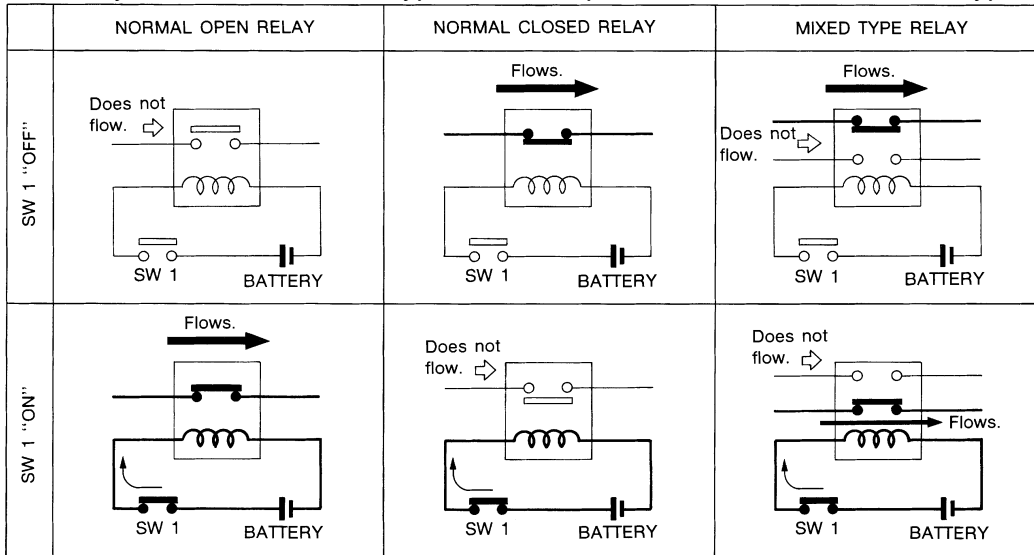
## STANDARDIZED RELAY

### Description

INFOID:000000005660581

### 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

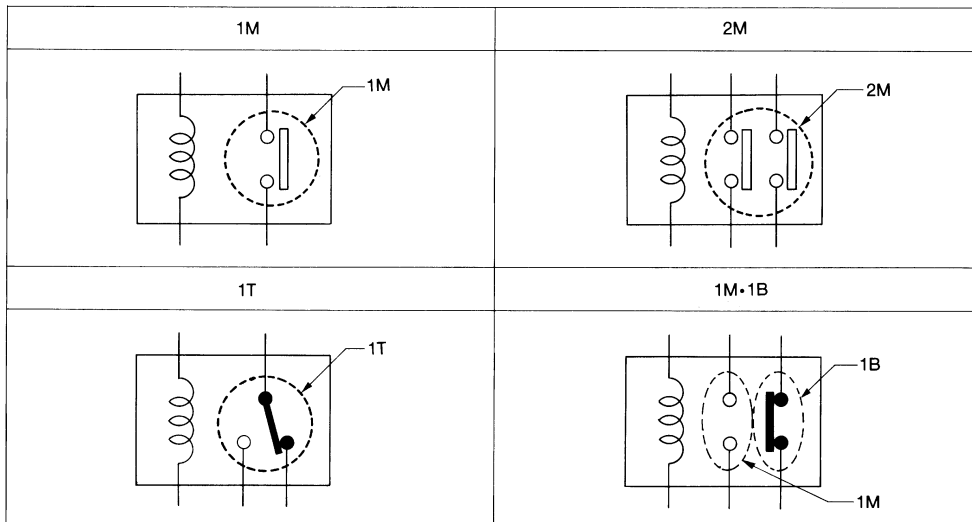
### TYPE OF STANDARDIZED RELAYS

1M ..... 1 Make

2M ..... 2 Make

1T ..... 1 Transfer

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



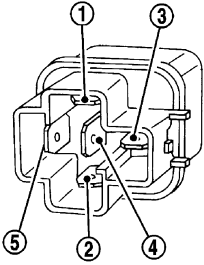
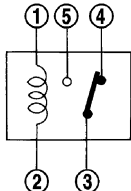
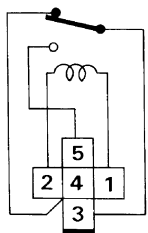
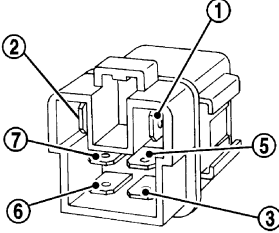
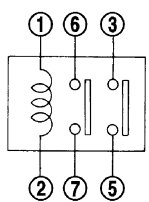
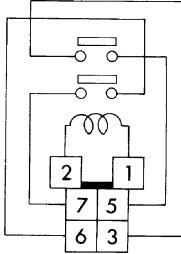
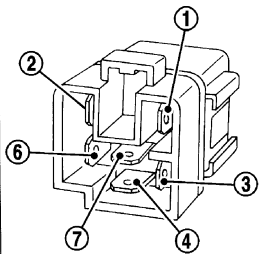
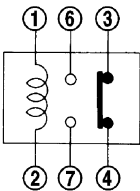
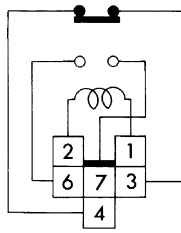
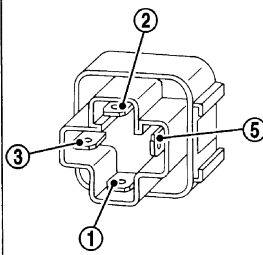
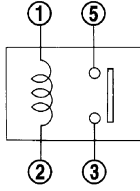
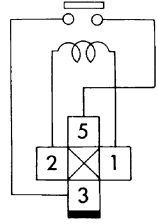
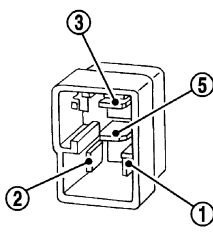
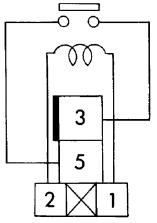
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# STANDARDIZED RELAY

< DTC/CIRCUIT 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.

SEL188W

# FUSE BLOCK - JUNCTION BOX (J/B)

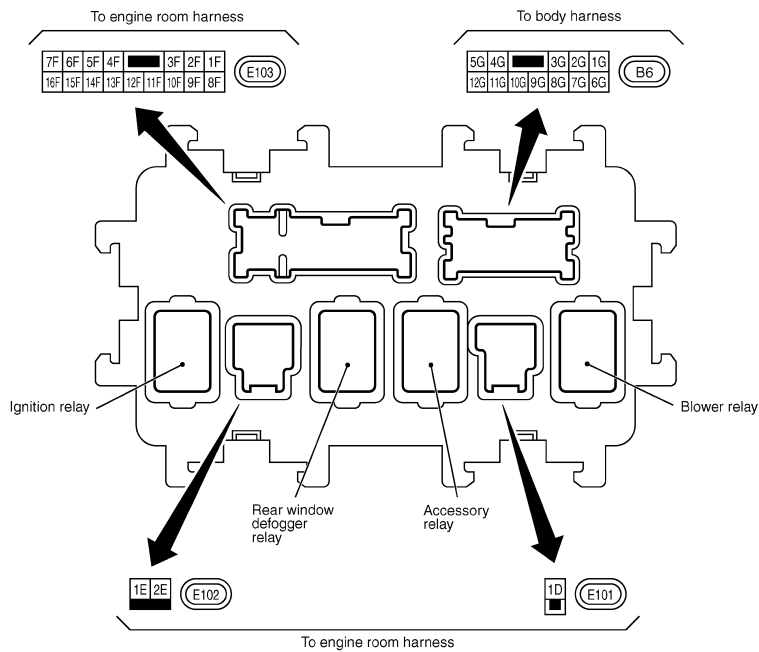
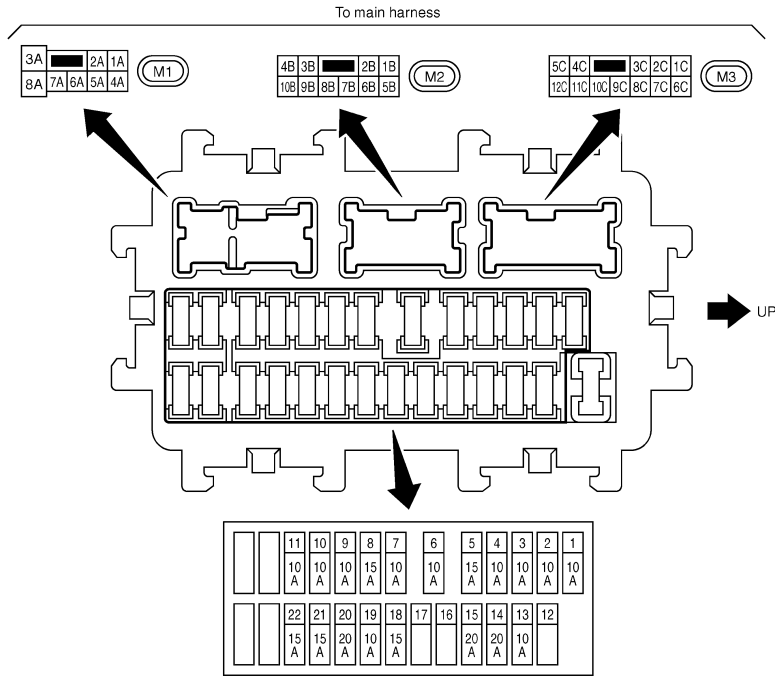
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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

### Fuse, Connector and Terminal Arrangement

INFOID:000000005660582



2009/11/05

JCMWM6117GI

# FUSE, FUSIBLE LINK AND RELAY BOX

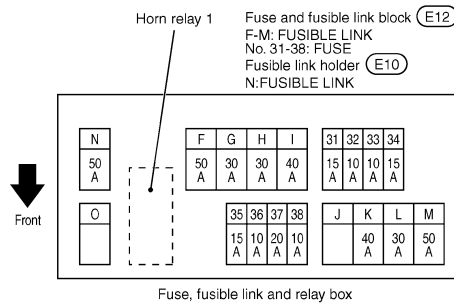
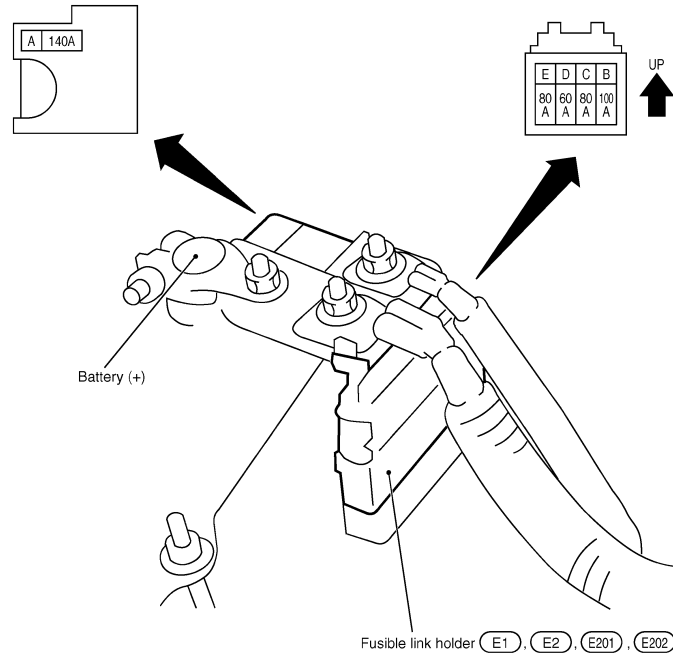
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## FUSE, FUSIBLE LINK AND RELAY BOX

### Fuse and Fusible Link Arrangement

INFOID:000000005660583



2008/08/22

JCMWM3143G

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

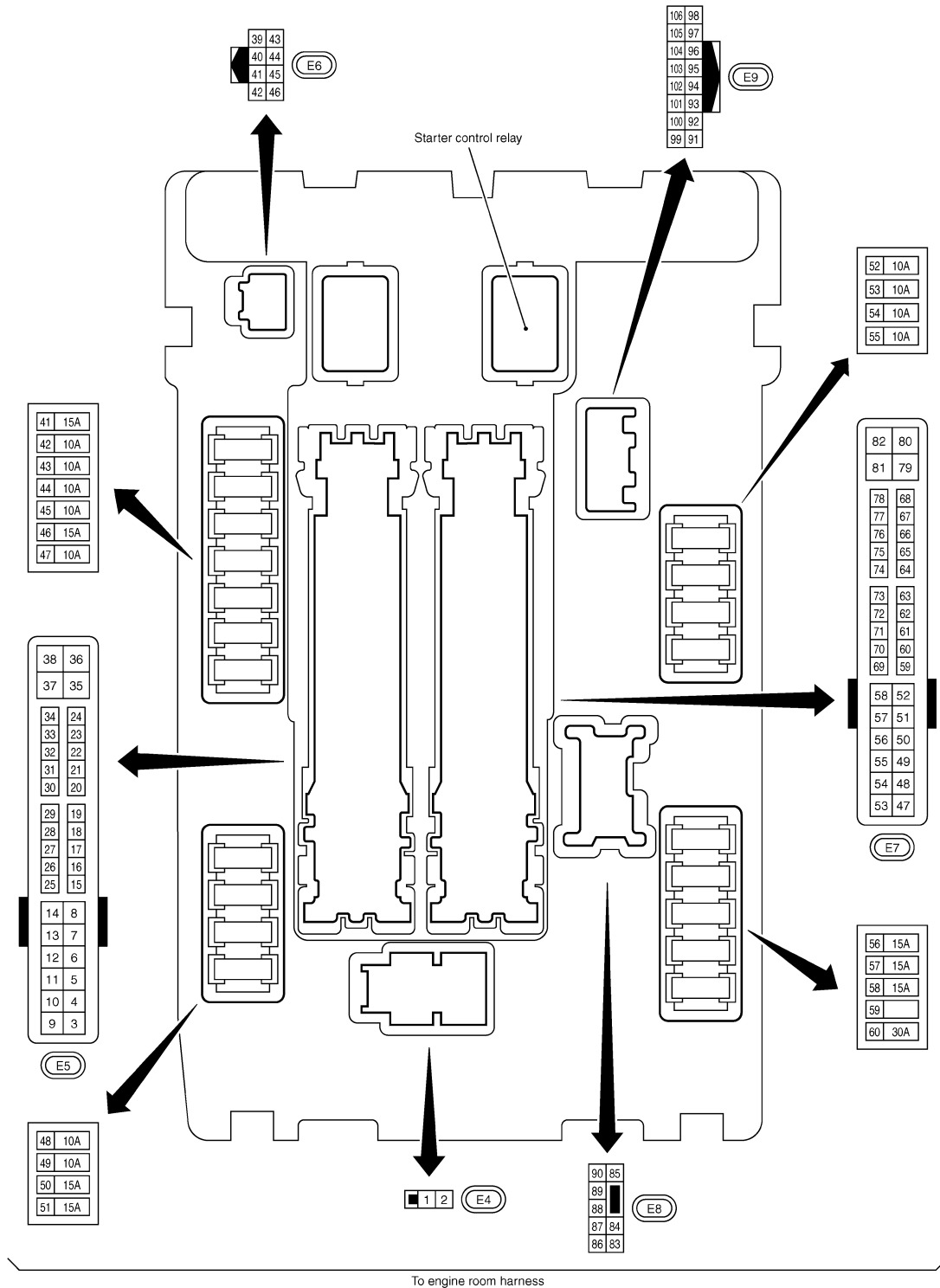
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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

### Fuse, Connector and Terminal Arrangement

INFOID:000000005660584



2008/08/22

JCMWM3144G

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# PRECAUTIONS

< PRECAUTION >

[POWER SUPPLY & GROUND CIRCUIT]

## PRECAUTION

### PRECAUTIONS

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

INFOID:000000005660585

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 AIR BAG" 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 AIR BAG".
- Do not use electrical test equipment on any circuit related to the SRS unless instructed to in this Service Manual. SRS wiring harnesses can be identified by yellow and/or orange harnesses or harness connectors.

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

#### **WARNING:**

- When working near the Air Bag Diagnosis Sensor Unit or other Air Bag System sensors with the ignition ON or engine running, DO NOT use air or electric power tools or strike near the sensor(s) with a hammer. Heavy vibration could activate the sensor(s) and deploy the air bag(s), possibly causing serious injury.
- When using air or electric power tools or hammers, always switch the ignition OFF, disconnect the battery, and wait at least 3 minutes before performing any service.

#### Precaution for Battery Service

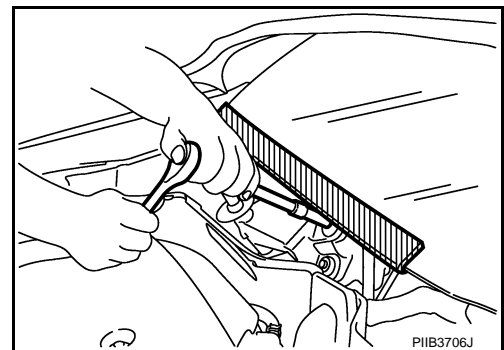
INFOID:000000005660586

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:000000005660587

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



# PREPARATION

## [POWER SUPPLY & GROUND CIRCUIT]

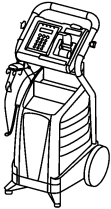
< PREPARATION >

# PREPARATION

## PREPARATION

### Special Service Tools

INFOID:000000005660588

Tool number (Kent-Moore No.) Tool name	Description
<p>— (J-48087) Battery Service Center</p>  <p>WKIA5280E</p>	<p>Tests battery. For operating instructions, refer to Technical Service Bulletin and Battery Service Center User Guide.</p>

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# BATTERY

< REMOVAL AND INSTALLATION >

[POWER SUPPLY & GROUND CIRCUIT]

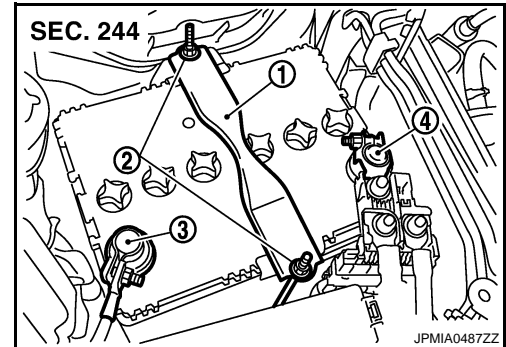
## REMOVAL AND INSTALLATION

### BATTERY

#### Exploded View

INFOID:000000005660589

- 1 : Battery fix frame
- 2 : Battery fix frame mounting nuts
- 3 : Battery terminal (-)
- 4 : Battery terminal (+)

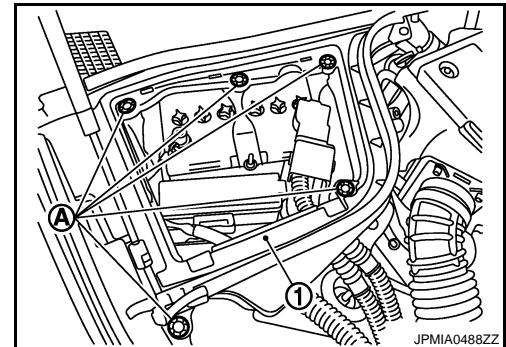


#### Removal and Installation

INFOID:000000005660590

##### REMOVAL

1. Remove battery cover.
2. Remove the clips (A), and remove hoodledge cover (RH) (1).

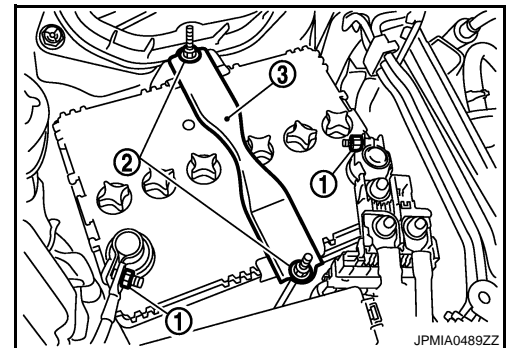


3. Remove cowl top cover (RH). Refer to [EXT-22. "Exploded View"](#).
4. Remove cover of battery positive terminal.
5. Loosen battery terminal nuts (1), and disconnect both battery cables from battery terminals.

**CAUTION:**

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

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



##### INSTALLATION

Install in the reverse order of removal.

**CAUTION:**

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

**Battery fix frame mounting nut**

: 3.9 N·m (0.40 kg-m, 35 in-lb)

**Battery terminal nut**

: 5.4 N·m (0.55 kg-m, 48 in-lb)



# BATTERY

< REMOVAL AND INSTALLATION >

[POWER SUPPLY & GROUND CIRCUIT]

Reset electronic systems as necessary. Refer to [GI-53, "ADDITIONAL SERVICE WHEN REMOVING BATTERY NEGATIVE TERMINAL : Required Procedure After Battery Disconnection"](#).

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# BATTERY TERMINAL WITH FUSIBLE LINK

< REMOVAL AND INSTALLATION >

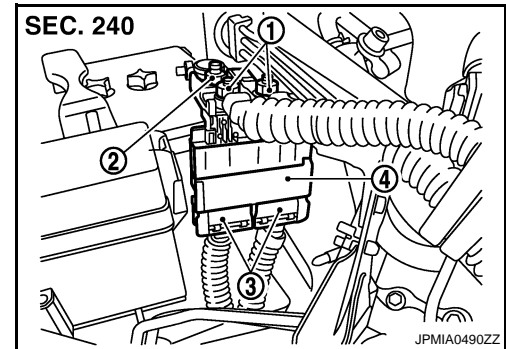
[POWER SUPPLY & GROUND CIRCUIT]

## BATTERY TERMINAL WITH FUSIBLE LINK

### Exploded View

INFOID:000000005660591

- 1 : Harness mounting nut
- 2 : Fusible link holder mounting nut
- 3 : Harness connector
- 4 : Battery terminal with fusible link

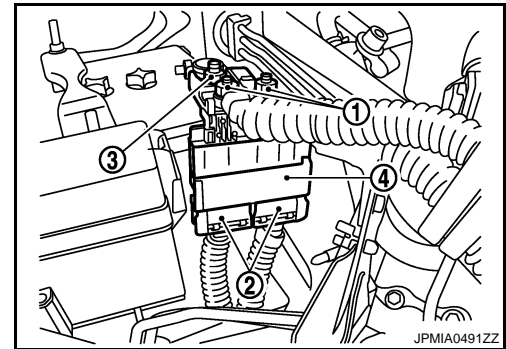


### Removal and Installation

INFOID:000000005660592

#### 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) to disconnect harness connector (2).
5. Remove fusible link holder mounting nut (3) to remove battery terminal with fusible link (4).



#### INSTALLATION

Install in the reverse order of removal.

#### Harness mounting nut

: 13.2 N·m (1.3 kg·m, 10 ft·lb)

#### Fusible link holder mounting nut

: 13.2 N·m (1.3 kg·m, 10 ft·lb)

# 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:0000000005660593

Type		110D26L
20 hour rate capacity	[V - Ah]	12 - 75
Cold cranking current (For reference value)	[A]	720

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