

SECTION **PG**

**POWER SUPPLY, GROUND & CIRCUIT ELEMENTS**

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# BATTERY

< BASIC INSPECTION >

[POWER SUPPLY & GROUND CIRCUIT]

## BASIC INSPECTION

### BATTERY

#### How to Handle Battery

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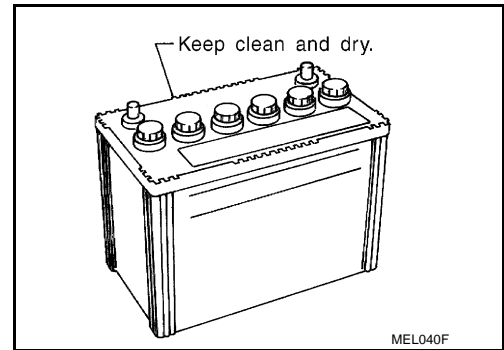
#### CAUTION:

- 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.

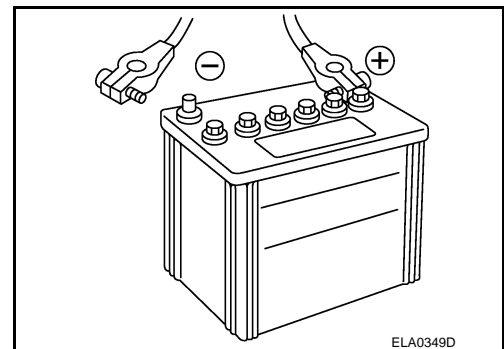
#### METHODS OF PREVENTING OVER-DISCHARGE

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

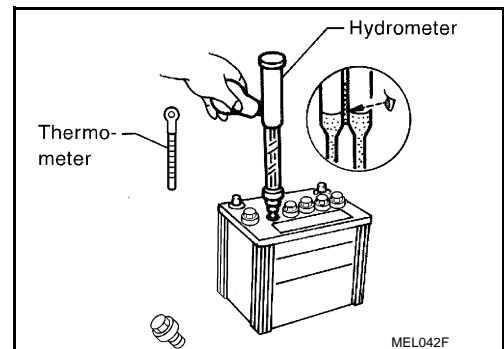
- The battery surface (particularly its top) should always be kept clean and dry.
- The terminal connections should be clean and tight.
- At every routine maintenance, check the electrolyte level. This also applies to batteries designated as "low maintenance" and "maintenance-free".



- 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.

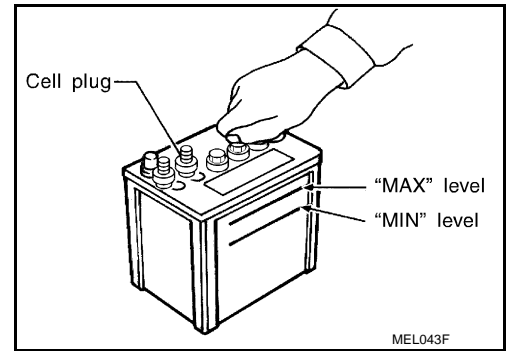
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# BATTERY

## [POWER SUPPLY & GROUND CIRCUIT]

### < BASIC INSPECTION >

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

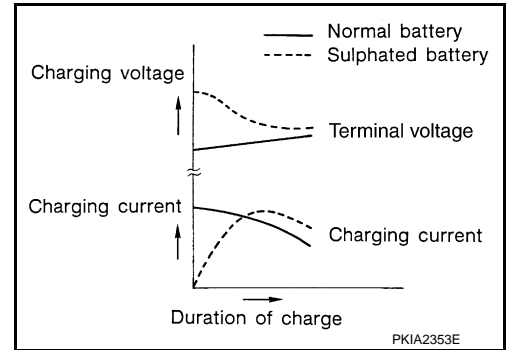


### Sulphation

**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.**

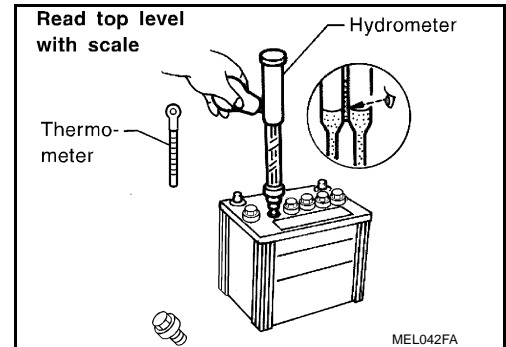
**To determine if a battery has been “sulphated”, note its voltage and current when charging it. As shown in the figure, less current and higher voltage are observed in the initial stage of charging sulphated batteries.**

**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.

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# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

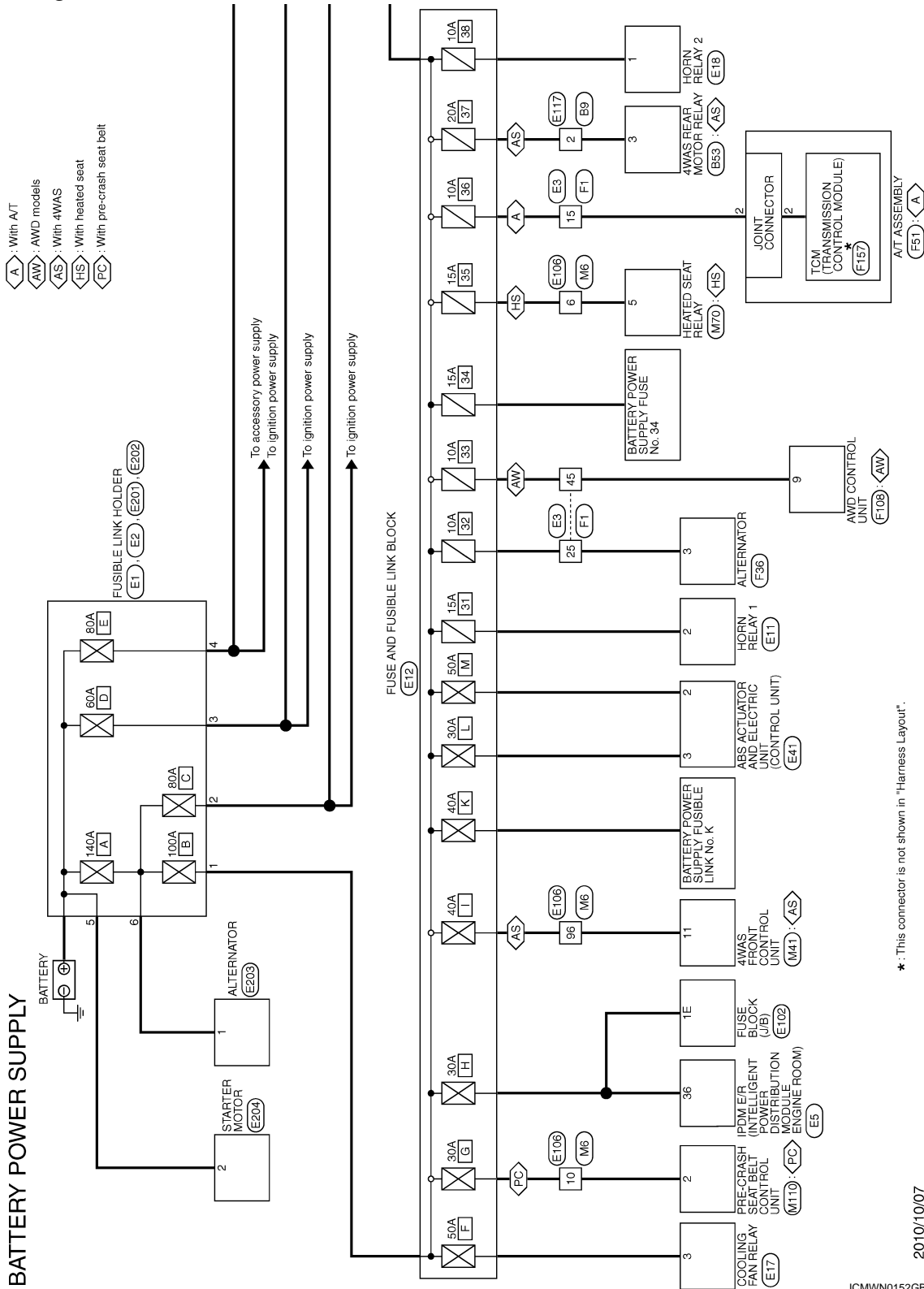
[POWER SUPPLY & GROUND CIRCUIT]

## DTC/CIRCUIT DIAGNOSIS

### POWER SUPPLY ROUTING CIRCUIT

#### Wiring Diagram - BATTERY POWER SUPPLY -

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

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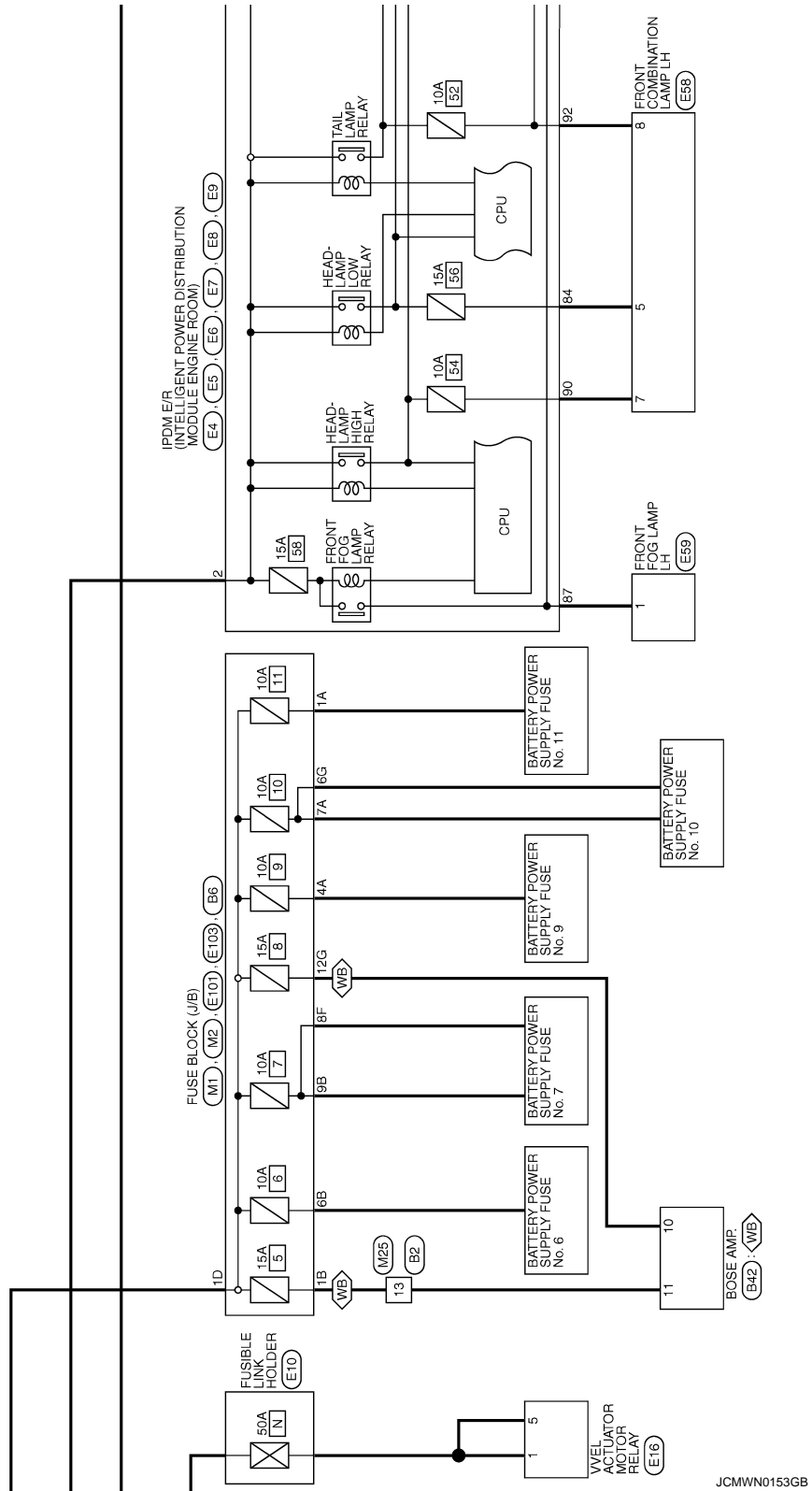
JCMWN0152GB

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

With BOSE system



JCMWN0153GB

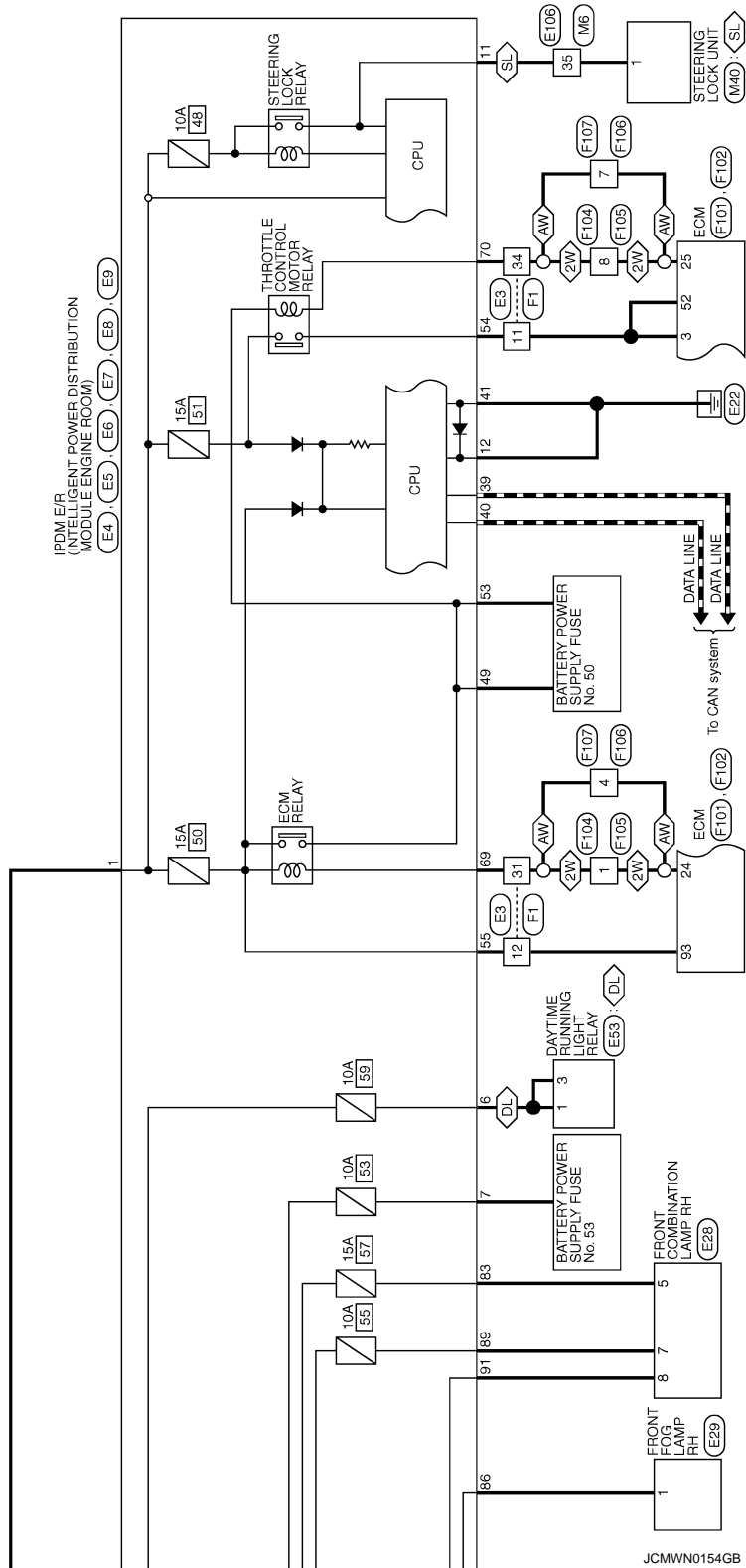
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# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

- ◊2W: With 2WD models
- ◊AW: With AWD models
- ◊DL: With daytime running light system
- ◊SL: With steering lock unit





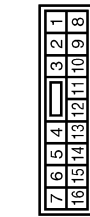
# POWER SUPPLY ROUTING CIRCUIT

## [POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

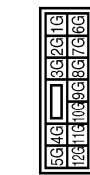
### BATTERY POWER SUPPLY

Connector No.	B2
Connector Name	WIRE TO WIRE
Connector Type	NS16FN-CS



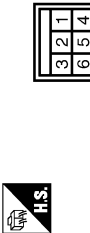
Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	W	-
3	V	-
4	LG	-
5	L	-
6	BG	-
7	B	-
8	Y	-
9	GR	-
10	R	-
11	G	-
12	W	-
13	Y	-
14	W	-
15	G	-
16	W	-

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



Terminal No.	Color of Wire	Signal Name [Specification]
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
8	W	SOUND SIGNAL FRONT DOOR WOOFER LH (+)
9	Y	BATTERY
10	Y	BATTERY
11	GR	BATTERY
12	B	GND
13	B	SOUND SIGNAL FRONT DOOR WOOFER LH (+)
14	B	SOUND SIGNAL FRONT DOOR WOOFER LH (-)

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



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

Connector No.	E1
Connector Name	FUSIBLE LINK HOLDER
Connector Type	LD2FBR-MC



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

Connector No.	E2
Connector Name	FUSIBLE LINK HOLDER
Connector Type	LD2FY-MC



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

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
Connector Name	WIRE TO WIRE
Connector Type	SA33MB-FSS-SHZ8

1	2	3	4	5	6	7	8	9	10	11	12
13	14	15	16	17	18	19	20	21	22	23	24
25	26	27	28	29	30	31	32	33	34	35	36
37	38	39	40	41	42	43	44	45	46	47	48
49	50	51	52	53	54	55	56	57	58	59	60



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.	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



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

25	G	-
26	R	-
27	BG	-
28	L	-
33	GR	-
34	V	-
32	P	-
38	G	-

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



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	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
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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	-
59	BR	-
70	BG	-
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	HS08FW-CS



85	84	83		
90	89	88	87	86

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

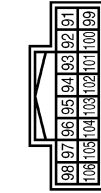
# POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

## BATTERY POWER SUPPLY

Connector No.	E9
Connector Name	SWAYLE INTELLIGENT POWER DISTRIBUTION MODULE
Connector Type	TH16FV-NH



Terminal No.	Color of Wire	Signal Name [Specification]
91	P	-
92	B/G	-
97	V	-
104	L/G	-
105	L	-

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



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



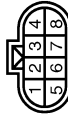
Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	Y	-
3	Y	-
5	R	-

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	FS08FB-PR



Terminal No.	Color of Wire	Signal Name [Specification]
3	B	-
4	B/W	-
5	R	-
6	V	- [With daytime running light]
8	L/G	- [Without daytime running light]
7	BR	-
8	P	-

Connector No.	E29
Connector Name	FRONT FOG LAMP RH
Connector Type	FH20ZFB



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

Connector No.	E41
Connector Name	MPS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT)
Connector Type	EAA4ZFB-AH24-LH



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	GND
2	L	UBMR
3	R	UBVR
4	B	GND
5	Y	DS FL
6	B/G	DP RL
7	BR	DP RR
9	B	DP FR
10	W	DS FR
11	V	DIAG-K
14	P	GAN-L
25	Y	BUS-L
26	L/G	DP FL
27	GR	DS RL
28	G	UZ
29	P	DS RR
30	SB	BLS
31	R	VDC OFF SW
35	L	GAN-H
45	B	BUS-H

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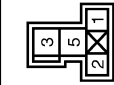
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BATTERY POWER SUPPLY

Connector No.	E53
Connector Name	DAYTIME RUNNING LIGHT RELAY
Connector Type	MS02FL-MZ-LC



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

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



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

Connector No.	E59
Connector Name	FRONT FOG LAMP LH
Connector Type	FTZ02FB



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

Connector No.	E101
Connector Name	FUSE BLOCK (J/B)
Connector Type	LUJ1FW-MC



Terminal No.	ID	R	Signal Name [Specification]
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Connector No.	E102
Connector Name	FUSE BLOCK (J/B)
Connector Type	M02FB-LC



Terminal No.	1E	G	Signal Name [Specification]
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Connector No.	E103
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS18FW-CS



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

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



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
3	BG	-
5	G	-
6	BG	-
7	V	- [With daytime running light]
7	LG	- [Without daytime running light]
9	L	- [With daytime running light]
9	R	- [Without daytime running light]
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	V	-
88	GR	-
89	W	-
91	G	-
93	GR	-
95	Y	-
96	Y	-
97	BR	-
98	SHIELD	-
99	L	-
100	P	-

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BATTERY POWER SUPPLY

Connector No.	E117
Connector Name	WIRE TO WIRE
Connector Type	M03MW-LC



Terminal No.	Color of Wire	Signal Name [Specification]
2	L	
3	GR	
4	P	
5	BR	
6	BG	

Connector No.	E201
Connector Name	FUSIBLE LINK HOLDER
Connector Type	24340 79608



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

Connector No.	E202
Connector Name	FUSIBLE LINK HOLDER
Connector Type	24340 79605



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

6	B/GR	
---	------	--

Connector No.	E203
Connector Name	ALTERNATOR
Connector Type	24340 85F45



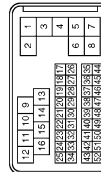
Terminal No.	Color of Wire	Signal Name [Specification]
1	B/GR	B

Connector No.	E204
Connector Name	STARTER MOTOR
Connector Type	24346 51E61



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

Connector No.	F1
Connector Name	WIRE TO WIRE
Connector Type	5AA30FB-RS8-SH23



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

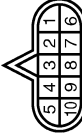
2	SHIELD	
3	L/B	
4	SHIELD	
5	BR	
7	G	
8	W	
9	W	
10	G	
11	R	
12	P	
13	L	
14	LG	
15	R	
16	O	[2WD models]
17	W	[AWD models]
18	LG	
19	P	
19	SB	[2WD models]
20	O	[AWD models]
21	BR	
22	G	
23	Y	
24	LG	
25	V	
27	GR	
28	BR	
29	L	
30	R	
31	P	
32	W	
33	SB	
34	O	[2WD models]
34	BR	[AWD models]
37	SHIELD	
38	W	
38	Y	
40	B	
41	B	
42	GR	
43	R	
45	O	
46	SHIELD	
47	W/L	
48	LG	
48	O/L	
50	L/Y	
51	W	
52	L/G	

Connector No.	F36
Connector Name	ALTERNATOR
Connector Type	H533FB



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

Connector No.	F51
Connector Name	A/T ASSEMBLY
Connector Type	PR10FG-DGY



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

A  
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G  
H  
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J  
K  
L  
N  
O  
P

PG

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BATTERY POWER SUPPLY

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

48	44	40	36	32	28	24	20	16	12	8	4
47	43	39	35	31	27	23	19	15	11	7	3
46	42	38	34	30	26	22	18	14	10	6	2
45	41	37	33	29	25	21	17	13	9	5	1



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	A/F SEN 1 HEATER (B1)
2	G	THROTTLE CONTROL MOTOR (OPEN) (B1)
3	R	THROTTLE CONTROL MOTOR (POWER SUPPLY) (B1)
4	BR	THROTTLE CONTROL MOTOR (CLOSE) (B1)
5	W	A/F SEN 1 HEATER (B2) [2WD MODELS]
5	SB	A/F SEN 1 HEATER (B2) [AWD MODELS]
8	B	ECM GROUND
11	GR	IGNITION SIGNAL No. 4
12	L	IGNITION SIGNAL No. 3
15	V	IGNITION SIGNAL No. 5
16	G	IGNITION SIGNAL No. 2
17	P	HEATED OXYGEN SEN 2 HEATER (B1)
18	W	IVT CONTROL SOL (B1)
19	SB	IGNITION SIGNAL No. 6
20	Y	IGNITION SIGNAL No. 1
21	GR	E/VAP CANISTER PURGE VOLUME CONTROL SOL
22	R	FUEL PUMP RELAY
24	P	ECM RELAY (SELF SHUT-OFF)
25	O	THROTTLE CONTROL MOTOR RELAY [2WD MODELS]
25	BR	THROTTLE CONTROL MOTOR RELAY [AWD MODELS]
28	GR	VVEL CONTROL MODULE
28	G	IVT CONTROL SOL (B2)
30	Y	TPS 1 (B1)
31	R	TPS 1 (B2)
33	SB	HEATED OXYGEN SEN 2 HEATER (B2)
34	B	TPS 2 (B1)
35	W	TPS 2 (B2)
36	O	SENSOR GROUND
37	W	POS SEN
38	O	MAP SEN
38	P	BRAKE BOOST PRESS SEN [2WD MODELS]
39	SB	BRAKE BOOST PRESS SEN [AWD MODELS]
40	R	SENSOR GROUND
43	G	SENSOR POWER SUPPLY
44	L	SENSOR POWER SUPPLY
45	LG	SENSOR POWER SUPPLY
46	R	SENSOR POWER SUPPLY
47	Y	SENSOR GROUND

48	B	SENSOR GROUND
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Connector No.	F102
Connector Name	ECM
Connector Type	RH40FB-R28-L-LH-Z

46	42	38	34	30	26	22	18	14	10	6	2
45	41	37	33	29	25	21	17	13	9	5	1



Terminal No.	Color of Wire	Signal Name [Specification]
48	GR	THROTTLE CONTROL MOTOR (CLOSE) (B2)
49	GR	THROTTLE CONTROL MOTOR (OPEN) (B2)
50	V	THROTTLE CONTROL MOTOR POWER SUPPLY (B2)
52	R	IGNITION SW
53	W	IGNITION SW
54	Y	CAN COMMUNICATION LINE (VVEL CONTROL MODULE)
55	LG	CAN COMMUNICATION LINE (VVEL CONTROL MODULE)
57	L	A/F SEN 1 (B1)
58	O	PHASE SEN (B1) [2WD MODELS]
59	L	PHASE SEN (B1) [AWD MODELS]
60	G	SENSOR POWER SUPPLY
61	R	A/F SEN 1 (B1)
63	L	PHASE SEN (B2)
64	SB	SENSOR POWER SUPPLY
65	LG	A/F SEN 1 (B2)
66	V	A/F SEN 1 (B2)
67	P	IAT SEN
68	LG	SENSOR GROUND
69	W	KNOCK SEN (B2)
71	Y	ECT SEN
72	SHIELD	SENSOR GROUND
73	W	KNOCK SEN (B1)
76	W	HEATED OXYGEN SEN 2 (B1)
77	SB	MAP SEN (B1)
78	G	EOT SEN
79	BR	MAP SEN (B2)
80	O	HEATED OXYGEN SEN 2 (B2)
81	R	FUEL INJECTOR No. 3
82	V	FUEL INJECTOR No. 6
84	B	SENSOR GROUND
85	BR	FUEL INJECTOR No. 2
86	W	FUEL INJECTOR No. 5
87	Y	PSP SEN
89	GR	FUEL INJECTOR No. 1
90	O	FUEL INJECTOR No. 4
91	SB	BATTERY CURRENT SEN

92	G	SENSOR GROUND
93	P	POWER SUPPLY FOR ECM
94	Y	SENSOR GROUND
95	G	SENSOR GROUND
96	P	SENSOR GROUND [2WD MODELS]
98	R	SENSOR GROUND [AWD MODELS]
99	BR	SENSOR GROUND [AWD MODELS]

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

4	3	2	1
8	7	6	5



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

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

1	2	3	4
5	6	7	8



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

1	P	-- [2WD models]
1	Y	-- [AWD models]
2	V	-- [2WD models]
2	W	-- [AWD models]
3	L	-- [2WD models]
3	R	-- [AWD models]
4	Y	-- [2WD models]
4	GR	-- [AWD models]
6	V	-- [2WD models]
6	R	-- [AWD models]
7	O	-- [2WD models]
8	O	-- [2WD models]
8	BR	-- [AWD models]

Connector No.	F106
Connector Name	WIRE TO WIRE
Connector Type	TH12FW-AH

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



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

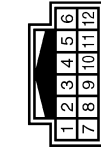
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BATTERY POWER SUPPLY

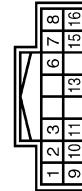
Connector No.	F107
Connector Name	WIRE TO WIRE
Connector Type	TH12MW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	- [2WD models]
2	GR	- [AWD models]
3	L	- [AWD models]
4	Y	- [AWD models]
5	Y	- [AWD models]
6	G	- [AWD models]
7	BR	-
8	BR	- [2WD models]
9	O	- [AWD models]
10	V	- [AWD models]
11	SB	- [AWD models]
12	SB	- [AWD models]



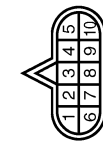
Connector No.	F108
Connector Name	AWD CONTROL UNIT
Connector Type	TH16FW-NH



Terminal No.	1	ER	Signal Name [Specification]
			AWD_SOL (+)

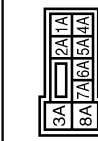
2	Y	AWD_SOL (-)
3	W	OIL_TEMP (-)
7	G	IGN
8	L	CAN-H
9	O	AWD_SOL_BAT
10	B	GND
11	B	GND
13	LG	OIL_TEMP (-)
15	Y	VB
16	P	CAN-L

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



Terminal No.	Color of Wire	Signal Name [Specification]
1	-	VIGN
2	-	BATT
3	-	CAN-H
4	-	K-LINE
5	-	GND
6	-	VIGN
7	-	REV_LAMP_RLY
8	-	CAN-L
9	-	STARTER_RLY
10	-	GND

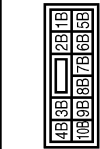
Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS06FW-M2



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

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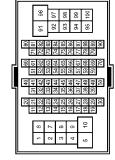
# POWER SUPPLY ROUTING CIRCUIT

## [POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

### BATTERY POWER SUPPLY

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	THB0MW-CS1E-TM4



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

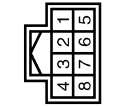
59	B	-
66	Y	-
67	G	-
68	R	-
69	W	-
70	G	-
80	SB	-
81	B	-
82	V	-
83	W	-
84	L	-
85	GR	-
86	G	-
87	R	-
88	B	-
89	LG	-
91	W	-
93	Y	-
95	Y	-
96	R	-
97	GR	-
98	SHIELD	-
99	V	-
100	SB	-

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	R	-
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	THB0FW-NH



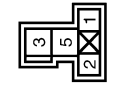
Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	S/L 12V (MECHANICAL)
2	Y	S/L (K LINE)
3	L	S/L CONDITION 1
5	B	GND
6	B	GND
7	SB	S/L 12V (CPU)
8	P	S/L CONDITION 2

Connector No.	M41
Connector Name	4WAS FRONT CONTROL UNIT
Connector Type	SNA0ZFGY



Terminal No.	Color of Wire	Signal Name [Specification]
11	R	F-MTR PWM 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	G	-
2	P	-
3	G	-
5	LG	-

Connector No.	M10
Connector Name	PRE-CRASH SEAT BELT CONTROL UNIT
Connector Type	TH20FW-TB6



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



# POWER SUPPLY ROUTING CIRCUIT




< DTC/CIRCUIT DIAGNOSIS >

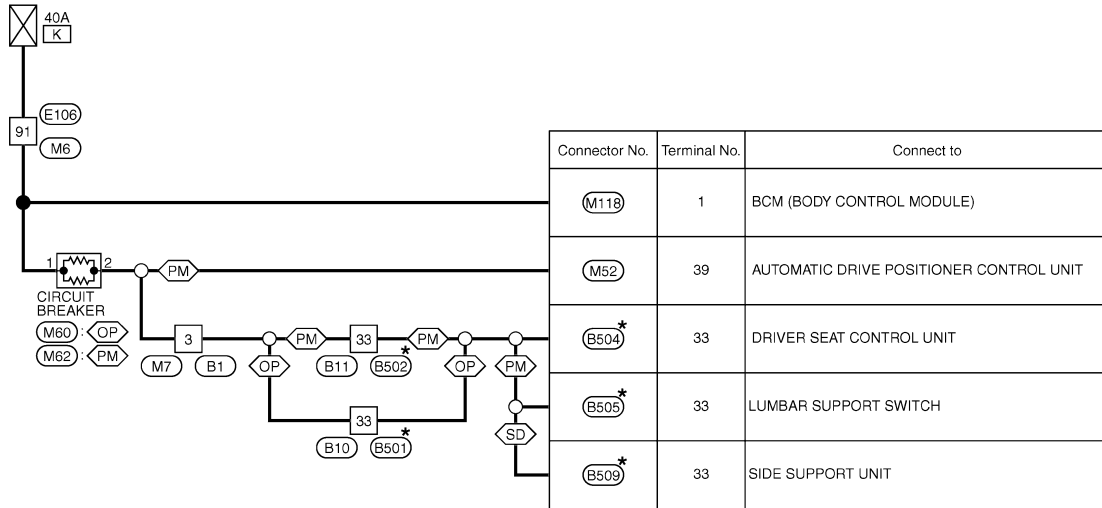
[POWER SUPPLY & GROUND CIRCUIT]

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

INFOID:000000006451789

### BATTERY POWER SUPPLY FUSIBLE LINK No. K

-  : With automatic drive positioner
-  : Without automatic drive positioner
-  : With side support



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

2010/10/07

JCMWN0163GB

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# 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	THBDFV-CS16-TM4






Connector No.	B202
Connector Name	WIRE TO WIRE
Connector Type	NS18MW-CS


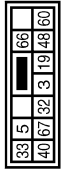
Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
2	G	-
3	SB	-
4	Y	-
6	Y	-
15	V	-
16	BR	-
17	LG	-
18	W	-
20	L	-
21	P	-
22	L	-
23	P	-
24	GR	-
25	SB	-
26	G	-
27	W	-
28	G	-
31	V	-
32	SB	-
33	SHIELD	-
34	W	-
36	BR	-
37	SHIELD	-
38	Y	-
40	P	-
41	L	-
42	SHIELD	-
43	R	-
44	G	-
45	SHIELD	-
46	SB	-
49	L	-
50	P	-
55	P	-
56	G	-

Connector No.	B11
Connector Name	WIRE TO WIRE
Connector Type	NS18FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
3	L	-
5	V	-
17	LG	-
19	P	-
21	V	-
22	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	-
19	V	-
32	B/W	-
33	R	-
40	R/W	-
48	B	-
60	Y	-
66	B	-



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	-

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.	B1
Connector Name	WIRE TO WIRE
Connector Type	THBDFV-CS16-TM4

Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
2	G	-
3	SB	-
4	Y	-
6	Y	-
15	V	-
16	BR	-
17	LG	-
18	W	-
20	L	-
21	P	-
22	L	-
23	P	-
24	GR	-
25	SB	-
26	G	-
27	W	-
28	G	-
31	V	-
32	SB	-
33	SHIELD	-
34	W	-
36	BR	-
37	SHIELD	-
38	Y	-
40	P	-
41	L	-
42	SHIELD	-
43	R	-
44	G	-
45	SHIELD	-
46	SB	-
49	L	-
50	P	-
55	P	-
56	G	-

JCMWN0164GB

# 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)
38	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	NS04FW-CS



58	57	48	33
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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	NS06FW-CS



53	53	53	52	48
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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	TH80FW-CS16-TM4



14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
3	BG	-
5	G	-
6	BG	-
7	V	- [With daytime running light]
7	LG	- [Without daytime running light]
9	L	- [With daytime running light]
9	R	- [Without daytime running light]
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	-
98	L	-
100	P	-

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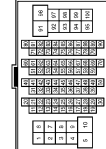
# POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

## BATTERY POWER SUPPLY FUSIBLE LINK No. K

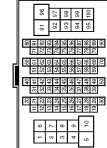
Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4



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

59	B	-
66	Y	-
67	G	-
68	R	-
69	W	-
70	G	-
80	SB	-
81	B	-
82	V	-
83	W	-
84	L	-
85	GR	-
86	G	-
87	R	-
88	B	-
89	LG	-
91	W	-
93	Y	-
95	Y	-
96	R	-
97	GR	-
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	GR	-
2	P	-
3	SB	- [With automatic drive positioner] - [Without automatic drive positioner]
4	Y	-
6	L	-
15	R	-
16	BR	-
17	P	-
18	V	-
20	L	-
21	P	-

22	L	-
23	P	-
24	V	-
25	LG	-
26	BR	-
27	BG	-
28	LG	-
31	V	-
32	LG	-
33	SHIELD	-
34	GR	-
35	BR	-
36	Y	-
37	SHIELD	-
38	SB	-
39	LG	-
40	O	-
41	W	-
42	SHIELD	-
43	G	-
44	R	-
49	SHIELD	-
49	SB	-
49	L	-
50	P	-
55	W	-
56	B	-
59	Y	-
60	Y	-
61	W	-
62	R	-
63	G	-
64	B	-
65	SHIELD	-
71	V	-
72	P	-
73	SB	-
74	V	-
81	W	-
82	BR	-
84	LG	-
85	BG	-
86	SB	-
87	G	-
88	GR	-
90	P	-
91	BG	-
95	BG	-
96	Y	-
100	P	-

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



Terminal No.	Color of Wire	Signal Name [Specification]
33	W	POWER SUPPLY (SENSOR)
34	V	BAT (FUSE)
35	L	TILT MOTOR (UPWARD)
36	GR	TELESCOPIC MOTOR (FORWARD)
39	W	BAT (C/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	-

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# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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## BATTERY POWER SUPPLY FUSIBLE LINK No. K

Connector No.	M62
Connector Name	CIRCUIT BREAKER
Connector Type	MD3FB-LC



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

Connector No.	M118
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	MD3FB-LC



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

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# POWER SUPPLY ROUTING CIRCUIT


< DTC/CIRCUIT DIAGNOSIS >

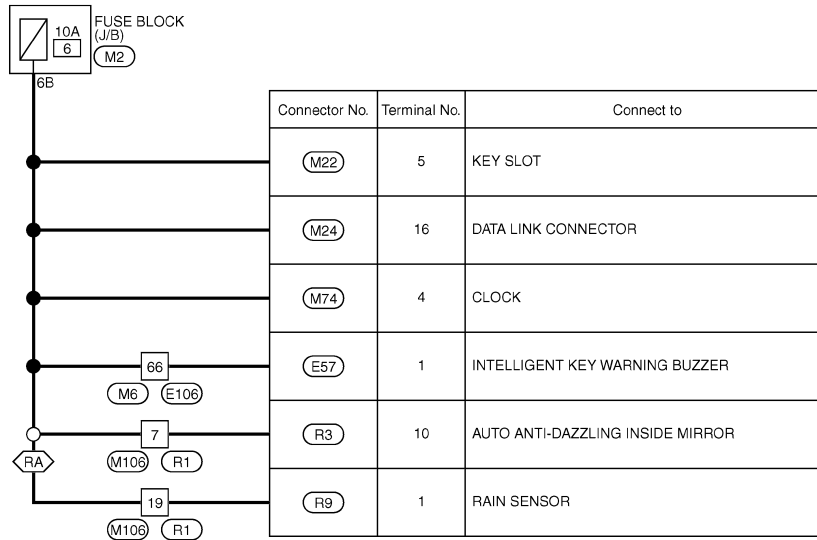
[POWER SUPPLY & GROUND CIRCUIT]

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

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### BATTERY POWER SUPPLY FUSE No. 6

 : With rain sensor



2010/10/07

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# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

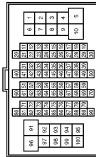
## BATTERY POWER SUPPLY FUSE No. 6

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



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	BG	-
5	G	-
6	BG	-
7	V	- [With daytime running light]
7	LG	- [Without daytime running light]
9	L	- [With daytime running light]
9	R	- [Without daytime running light]
10	W	-
11	V	-
12	R	-
13	L	-
14	GR	-
15	P	-
16	W	-
17	V	-
18	BG	-
19	GR	-
20	LG	-
30	R	-

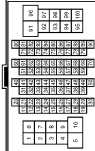
31	L	-
32	BG	-
32	P	-
34	V	-
35	BR	-
36	W	-
37	Y	-
38	R	-
39	B	-
40	G	-
41	W	-
42	LG	-
43	SB	-
44	GR	-
45	BG	-
46	LG	-
47	V	-
48	P	-
49	L	-
49	Y	-
59	B	-
66	LG	-
67	SB	-
68	R	-
69	W	-
70	G	-
80	W	-
81	P	-
82	G	-
83	V	-
84	L	-
85	BG	-
86	LG	-
87	Y	-
88	GR	-
89	W	-
91	G	-
93	GR	-
95	Y	-
96	Y	-
97	BR	-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

Connector No.	M2
Connector Name	FUSE BLOCK (L/R)
Connector Type	MS10FW-CS



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

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

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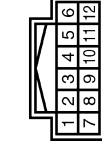
# POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

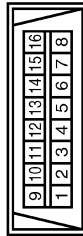
## BATTERY POWER SUPPLY FUSE No. 6

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



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

Connector No.	M24
Connector Name	DATA LINK CONNECTOR
Connector Type	BD16FV-P



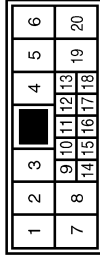
Terminal No.	Color of Wire	Signal Name [Specification]
3	LG	
4	B	
5	B	
6	L	
7	V	
8	G	
11	SB	
14	P	
16	R	

Connector No.	M74
Connector Name	CLOCK
Connector Type	TH10FV-NH



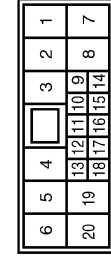
Terminal No.	Color of Wire	Signal Name [Specification]
1	B	ILLUMINATION (-)
2	L	ILLUMINATION (+)
3	B	GND
4	Y	BAT

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



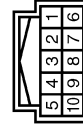
Terminal No.	Color of Wire	Signal Name [Specification]
2	L	
3	SHIELD	
4	G	
5	BR	
6	BG	
7	Y	
8	P	
9	LG	
10	V	
11	B	
12	B	
13	R	
15	R	
16	G	
17	SHIELD	
18	B	
19	Y	
20	R	

Connector No.	R1
Connector Name	WIRE TO WIRE
Connector Type	NH10FV-GS10



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

Connector No.	R9
Connector Name	RAIN SENSOR
Connector Type	A4ABGF8B



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

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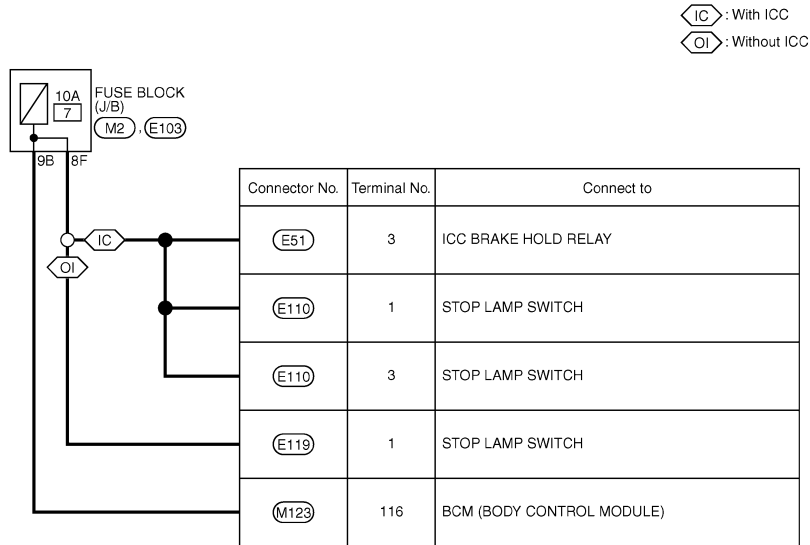
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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

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# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BATTERY POWER SUPPLY FUSE No. 7

Connector No.	E11
Connector Name	ICC BRAKE HOLD RELAY
Connector Type	MS20FL-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	-
6F	EG	-
8F	L	-
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	NS10FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1B	SB	-
2B	P	-
4B	G	-
5B	EG	-
6B	Y	-
7B	P	-
8B	R	-
9B	SB	-

Connector No.	M123
Connector Name	ECM (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	R	CLUTCH INTERLOCK SW
116	SB	STOP LAMP SW 1
118	BR	STOP LAMP SW 2
119	SB	DR DOOR UNLOCK SENSOR
121	SB	KEY SWITCH
123	V	IGN F/B
124	R	PASSENGER DOOR SW
129	BG	TRUNK CANCEL SW
132	V	POWER WINDOW SW COMM
133	L	PUSH-BUTTON IGNITION SW ILL POWER
134	LG	LOCK IND
137	BG	RECEIVER / SENSOR GND
138	V	RECEIVER / SENSOR POWER SUPPLY
139	L	TIRE PRESSURE RECEIVER COMM
140	B	SHIFT IN/P
141	W	SECURITY INDICATOR LAMP
142	BR	COMBI SW OUTPUT 5
143	P	COMBI SW OUTPUT 1
144	G	COMBI SW OUTPUT 2
145	L	COMBI SW OUTPUT 3
146	SB	COMBI SW OUTPUT 4
150	GR	DRIVER DOOR SW
151	G	REAR WINDOW DEFROGGER RELAY CONT

# POWER SUPPLY ROUTING CIRCUIT


< DTC/CIRCUIT DIAGNOSIS >

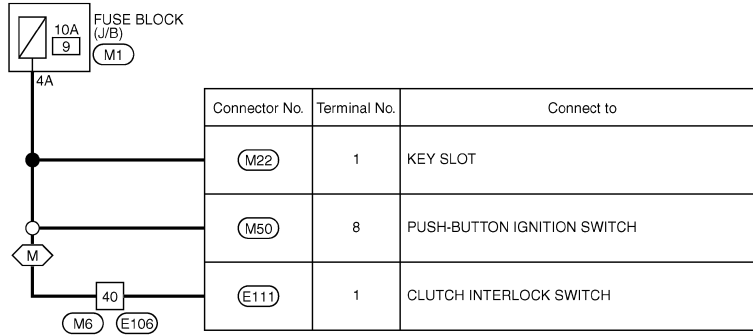
[POWER SUPPLY & GROUND CIRCUIT]

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

INFOID:000000006451792

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

 : With M/T



2009/11/05

JCMWM6048GB

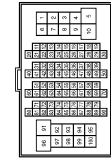
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BATTERY POWER SUPPLY FUSE No. 9

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



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
2	GR	-
3	EG	-
4	GR	-
5	G	-
6	EG	-
7	V	- [With daytime running light]
8	LG	- [Without daytime running light]
9	L	- [With daytime running light]
10	R	- [Without daytime running light]
11	W	-
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	-

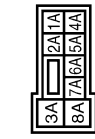
49	L	-
59	B	-
66	LG	-
67	SS	-
68	R	-
69	W	-
70	G	-
80	W	-
81	P	-
82	G	-
83	V	-
84	L	-
85	EG	-
86	LG	-
87	Y	-
88	GR	-
89	W	-
91	G	-
93	GR	-
95	Y	-
96	Y	-
97	BR	-
98	SHIELD	-
99	L	-
100	P	-

Connector No.	E111
Connector Name	CLUTCH INTERLOCK SWITCH
Connector Type	S02FL



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

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



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

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

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

A  
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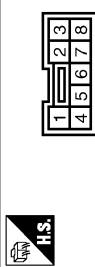
## BATTERY POWER SUPPLY FUSE No. 9

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



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

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



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

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# POWER SUPPLY ROUTING CIRCUIT



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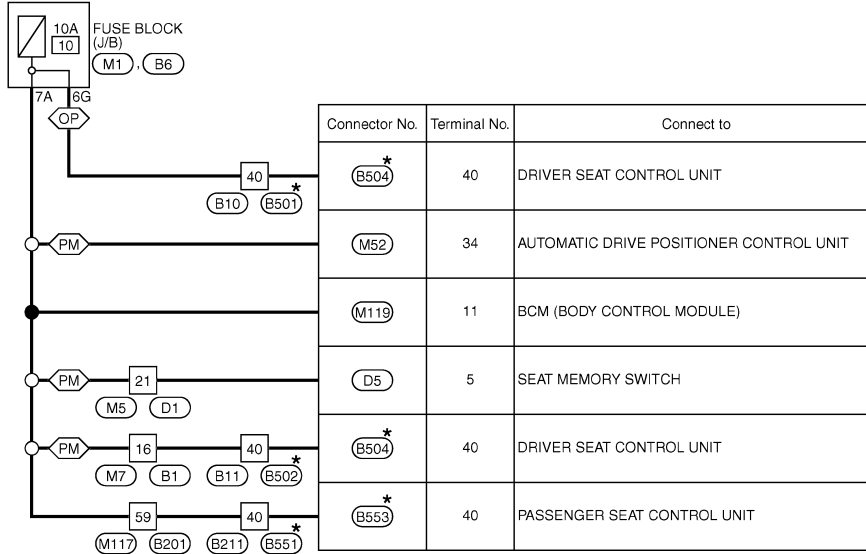
[POWER SUPPLY & GROUND CIRCUIT]

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

INFOID:000000006451793

### BATTERY POWER SUPPLY FUSE No. 10

 : With automatic drive positioner  
 : Without automatic drive positioner



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

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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	TH80FN-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
2	G	-
3	SB	-
4	Y	-
6	Y	-
15	V	-
16	BR	-
17	LG	-
18	W	-
20	L	-
21	P	-
22	L	-
23	P	-
24	GR	-
25	SB	-
26	G	-
27	W	-
28	G	-
31	V	-
32	SB	-
33	SHIELD	-
34	W	-
35	BR	-
36	Y	-
37	SHIELD	-
38	Y	-
38	LG	-
40	P	-
41	L	-
42	SHIELD	-
43	R	-
44	G	-
45	SHIELD	-
46	SB	-
48	L	-
50	P	-
55	P	-
56	G	-

58	V	-
59	LG	-
60	BR	-
61	W	-
62	R	-
63	L	-
64	Y	-
65	SHIELD	-
71	BR	-
72	SB	-
73	P	-
74	L	-
81	R	-
82	B	-
84	Y	-
85	L	-
86	GR	-
87	R	-
88	V	-
89	GR	-
91	Y	-
95	EG	-
96	R	-
100	V	-

Connector No.	B6
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS1ZFBR-CS



Terminal No.	Color of Wire	Signal Name [Specification]
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	NS18FW-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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A  
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D  
E  
F  
G  
H  
I  
J  
K  
L  
PG  
N  
O  
P

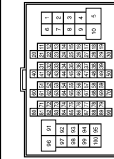
# POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

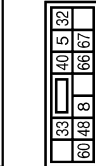
< DTC/CIRCUIT DIAGNOSIS >

## BATTERY POWER SUPPLY FUSE No. 10

Connector No.	B201
Connector Name	WIRE TO WIRE
Connector Type	THB07V-CS16-TM4

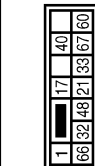


Connector No.	B211
Connector Name	WIRE TO WIRE
Connector Type	NS12PW-CS



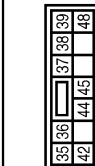
Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
5	Y	-
6	G	-
7	BG	-
9	LG	-
10	R	-
30	B	-
31	L	-
32	P	-
33	SB	-
34	V	-
40	GR	-
41	LG	-
42	BG	-
43	R	-
45	G	-
46	SHIELD	-
47	G	-
48	Y	-
48	SHIELD	-
50	P	-
50	BG	-
71	R	-
72	V	-
80	V	-
81	SHIELD	-
82	Y	-
83	BR	-
84	O	-
85	SHIELD	-
86	G	-
87	R	-
88	W	-
89	B	-
90	SB	-
91	V	-
94	W	-
95	G	-

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	-
19	V	-
21	L/Y	-
32	B/W	-
33	W	-
40	BG	-
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	NS12MW-CS



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

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# POWER SUPPLY ROUTING CIRCUIT

## [POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

### BATTERY POWER SUPPLY FUSE No. 10

Connector No.	B553
Connector Name	PASSENGER SEAT CONTROL UNIT
Connector Type	MS16FW-CS



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

Terminal No.	Color of Wire	Signal Name [Specification]
33	R	BAT (G/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 (PUSE)
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



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

15	R	16	GR
17	SR	18	BR
19	EG	20	P
21	R	25	V
26	R	27	BR
28	W	29	Y
30	G	31	LG
32	GR	33	B
36	W	37	GR
38	V	39	B
39	B	42	Y
43	GR	44	GR
44	EG	47	L
48	R	49	SB
50	W	51	P
52	V		

Connector No.	D5
Connector Name	SEAT MEMORY SWITCH
Connector Type	A08FW



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	EG	-

7	P		
---	---	--	--



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

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

Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	B	-
3	BG	-
4	V	-
8	SB	-
9	G	-
10	V	-
12	L	-
13	W	-
14	B	-
15	W	-

16	R	17	BR
18	V	19	BG
20	P	21	W
25	Y	26	G
27	L	28	Y
29	G	30	SB
31	LG	32	W
33	B	36	W
37	GR	38	Y
39	B	42	Y
43	L	44	G
44	L	47	L
47	L	48	GR
49	SB	50	P
51	LG	52	V

JCMWN0177GB

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

# 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	THB0MW-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
2	P	-
3	SB	- [With automatic drive positioner]
4	P	- [Without automatic drive positioner]
5	Y	-
6	L	-
7	R	-
8	BR	-
9	P	-
10	L	-
11	P	-
12	V	-
13	L	-
14	P	-
15	P	-
16	P	-
17	P	-
18	V	-
19	L	-
20	L	-
21	P	-
22	L	-
23	P	-
24	V	-
25	LG	-
26	BR	-
27	BR	-
28	LG	-
29	V	-
30	V	-
31	V	-
32	LG	-
33	SHIELD	-
34	GR	-
35	BR	-
36	Y	-
37	SHIELD	-
38	SB	-
39	LG	-
40	O	-
41	W	-
42	SHIELD	-
43	R	-
44	G	-
45	SHIELD	-
46	SB	-
47	L	-
48	L	-
49	P	-
50	P	-
51	W	-

56	B	-
57	V	-
58	Y	-
59	Y	-
60	Y	-
61	W	-
62	R	-
63	G	-
64	B	-
65	SHIELD	-
66	Y	-
67	V	-
68	P	-
69	P	-
70	P	-
71	V	-
72	P	-
73	SB	-
74	V	-
75	W	-
76	W	-
77	W	-
78	BR	-
79	LG	-
80	LG	-
81	BG	-
82	SB	-
83	SB	-
84	SB	-
85	BG	-
86	SB	-
87	G	-
88	GR	-
89	P	-
90	BG	-
91	BG	-
92	BG	-
93	Y	-
94	Y	-
95	Y	-
96	Y	-
97	P	-
98	P	-
99	P	-
100	P	-

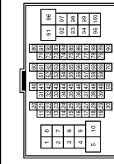
Connector No.	M52
Connector Name	AUTOMATIC DRIVE POSITIONER CONTROL UNIT
Connector Type	NS16FW-CS



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

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

Connector No.	M117
Connector Name	WIRE TO WIRE
Connector Type	THB0MW-CS16-TM4



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

Connector No.	M19
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
6	P	STEPS LAMP OUTPUT
7	SB	ALL DOOR FUEL LID LOCK OUTPUT
8	V	DRIVER DOOR FUEL LID UNLOCK OUTPUT
9	G	BAT (FUSE)
10	R	GND
11	R	GND
12	B	GND
13	B	GND
14	W	PUSH-BUTTON IGNITION SW ILL GND
15	BG	ACC IND
16	W	TURN SIGNAL RH (FRONT)
17	W	TURN SIGNAL LH (FRONT)
18	BG	TURN SIGNAL LH (FRONT)
19	V	INT ROOM LAMP CONT

# POWER SUPPLY ROUTING CIRCUIT


< DTC/CIRCUIT DIAGNOSIS >

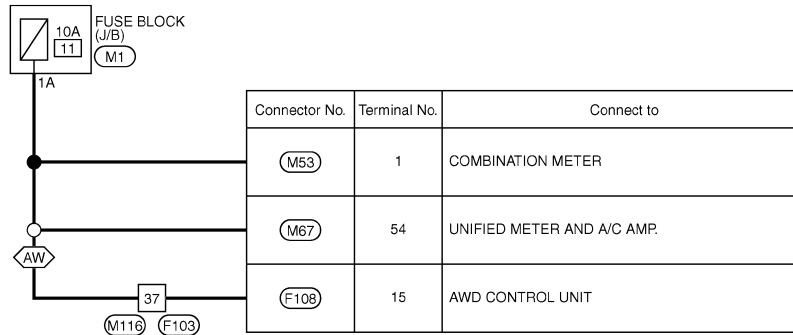
[POWER SUPPLY & GROUND CIRCUIT]

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

INFOID:000000006451794

### BATTERY POWER SUPPLY FUSE No. 11

 : AWD models



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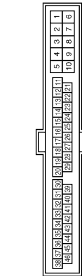
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BATTERY POWER SUPPLY FUSE No. 11

Connector No.	F103
Connector Name	WIRE TO WIRE
Connector Type	TK32FW-NS10



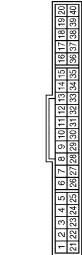
Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	AWD SOL (+)
2	Y	AWD SOL (-)
3	W	OIL TEMP (-)
7	G	IGN
8	L	CAN-H
9	O	AWD SOL BAT
10	B	GND
11	B	GND
13	LG	OIL TEMP (-)
15	Y	VB
16	P	CAN-L

Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS32FW-M2



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

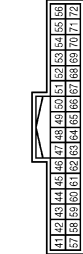
Connector No.	M53
Connector Name	COMBINATION METER
Connector Type	SAB10FW



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

Terminal No.	Color of Wire	Signal Name [Specification]
1	V	BATTERY POWER SUPPLY
2	LG	COMMUNICATION SIGNAL (METER->AMP)
3	GR	COMMUNICATION SIGNAL (AMP->METER)
5	B	GROUND
6	W	ALTERNATOR SIGNAL
7	LG	AIR BAG SIGNAL
10	W	SECURITY SIGNAL
15	B	GROUND
16	BR	METER CONTROL SWITCH GROUND
18	GR	ILL GND
19	B	ILL GND
20	R	ILL
21	G	IGNITION SIGNAL
22	B	GROUND
24	BR	COMMUNICATION SIGNAL (LCD->AMP)
25	Y	COMMUNICATION SIGNAL (AMP->LCD)
26	R	VEHICLE SPEED SIGNAL (8-PUL SE)
27	P	PARKING BRAKE SWITCH SIGNAL
28	SB	BRAKE FLUID LEVEL SWITCH
29	P	SEAT BELT BUCKLE SW SIGNAL (DRIVER SIDE)
30	G	SEAT BELT BUCKLE SWITCH SIGNAL (PASSENGER SIDE)
31	L	WASHER LEVEL SWITCH SIGNAL
33	R	ILLUMINATION CONTROL SIGNAL
36	LG	SELECT SWITCH SIGNAL
37	Y	ENTER SWITCH SIGNAL
38	G	TRIP A/B RESET SWITCH SIGNAL
39	P	ILLUMINATION CONTROL SWITCH SIGNAL (-)
40	BG	ILLUMINATION CONTROL SWITCH SIGNAL (+)

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	BR	INTAKE SENSOR SIGNAL
44	LG	IN-VEHICLE SENSOR SIGNAL
45	V	AMBIENT SENSOR SIGNAL
46	Y	SUNLOAD SENSOR SIGNAL

# 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	TK38MW-NS.0



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	LG	-
31	W	-
33	B	-
34	B	-
35	L	-
36	P	-
37	R	-
38	SB	-
41	EG	-
42	G	-
43	P	-
44	L	-
45	Y	-
46	SB	-

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# POWER SUPPLY ROUTING CIRCUIT







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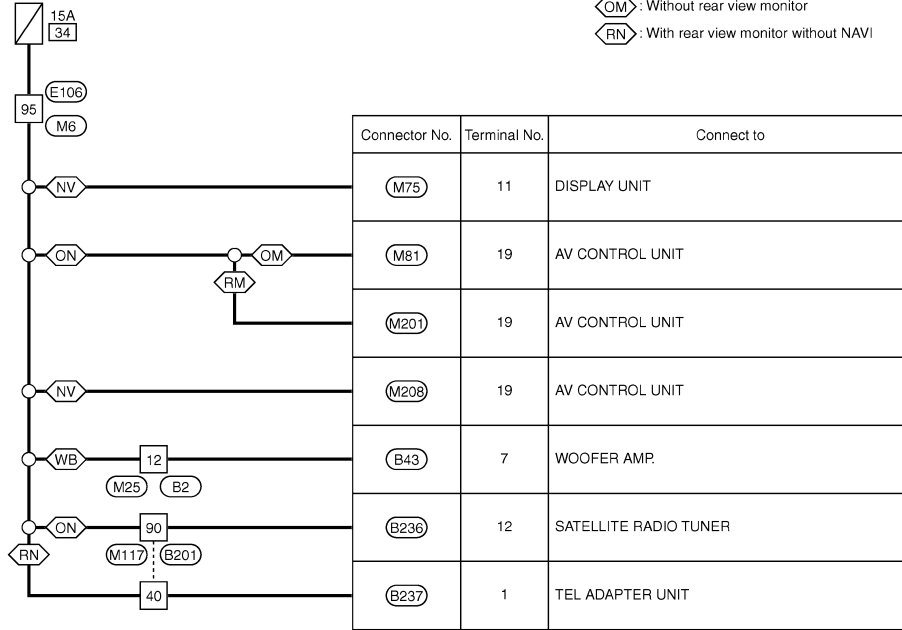
[POWER SUPPLY & GROUND CIRCUIT]

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

INFOID:000000006451795

### 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



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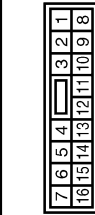
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

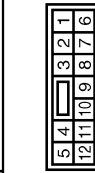
## BATTERY POWER SUPPLY FUSE No. 34

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



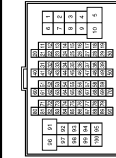
Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	W	-
3	V	-
4	LG	-
5	L	-
6	BG	-
7	B	-
8	Y	-
9	GR	-
10	R	-
11	G	-
12	SB	-
13	Y	-
14	R	-
15	G	-
16	W	-

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



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	SB	SOUND SIGNAL REAR WOOFER (+)
8	SB	SOUND SIGNAL REAR WOOFER (-)
9	V	-
10	B	GND

Connector No.	B201
Connector Name	WIRE TO WIRE
Connector Type	TH86PFW-CS16-TM4



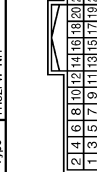
Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
5	Y	-
6	G	-
7	BG	-
9	LG	-
10	R	-
30	B	-
31	L	-
32	P	-
33	SB	-
34	V	-
40	GR	-
41	LG	-
42	BG	-
43	R	-
45	G	-
46	SHIELD	-
47	G	-
48	Y	-
49	SHIELD	-
50	P	-
59	BG	-
71	R	-
72	V	-
80	V	-
81	SHIELD	-
82	Y	-
83	BR	-
84	O	-
85	SHIELD	-
86	G	-
87	R	-
88	W	-
89	B	-
90	SB	-
91	V	-
94	W	-
95	G	-

Terminal No.	97	BR	-
Connector No.	B236		
Connector Name	SATELLITE RADIO TUNER		
Connector Type	A18FW		



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	-
6	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	TH82FW-RH



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	BATTERY
2	LG	ACC
3	BG	IGNITION
4	B	GND
5	SHIELD	-
7	R	MICROPHONE SIGNAL
8	SHIELD	MICROPHONE GND

Terminal No.	9	Y	TEL VOICE SIGNAL (+)
10	G	TEL VOICE SIGNAL (-)	
22	B	CONTROL SIGNAL	
24	B	CONTROL SIGNAL	
28	P	VEHICLE SPEED (8-PULSE)	
29	G	MICROPHONE VCC	

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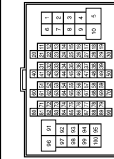
# POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

## BATTERY POWER SUPPLY FUSE No. 34

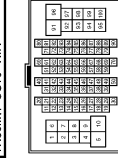
Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	TH80M4-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
3	BG	-
5	G	-
6	BG	-
7	V	- [With daytime running light]
7	LG	- [Without daytime running light]
8	L	- [With daytime running light]
9	R	- [Without daytime running light]
10	W	- [Without daytime running light]
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	-

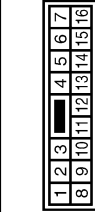
49	L	-
59	B	-
66	LG	-
67	SB	-
68	R	-
69	W	-
70	G	-
80	W	-
81	P	-
82	G	-
83	V	-
84	L	-
85	BG	-
86	LG	-
87	Y	-
88	GR	-
89	W	-
91	G	-
93	GR	-
95	Y	-
96	Y	-
97	BR	-
98	SHIELD	-
99	L	-
100	P	-

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TH80M4-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	BG	-
3	R	-
5	G	-
6	LG	-
7	W	-
9	G	-
10	W	-
11	V	-
12	R	-
13	L	-
14	GR	-

Connector No.	M25
Connector Name	WIRE TO WIRE
Connector Type	NS16M4-CS



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

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



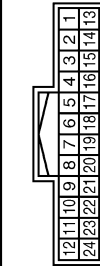
# POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

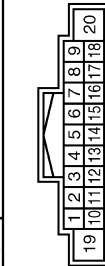
## BATTERY POWER SUPPLY FUSE No. 34

Connector No.	M75
Connector Name	DISPLAY UNIT
Connector Type	TH24PW-NH



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

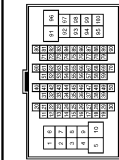
Connector No.	M81
Connector Name	AV CONTROL UNIT
Connector Type	TH18FW-CS2



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 LH (+)
5	SB	SOUND SIGNAL REAR LH (-)
6	P	STRG SW A
7	V	ACC
8	B	GND
9	L	ILLUMINATION
11	BR	SOUND SIGNAL FRONT RH (+)
12	R	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	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]
1	LG	--
5	P	--
6	G	--
7	SB	--
9	LG	--
10	L	--
30	B	--
31	SB	--
32	LG	--
33	SB	--
34	LG	--
40	Y	--
41	G	--
42	LG	--
43	R	--
43	G	--
46	SHIELD	--
47	P	--
48	L	--
49	SHIELD	--
50	V	--
59	R	--
71	R	--
72	L	--
80	W	--
81	SHIELD	--
82	P	--
83	L	--
84	G	--
85	SHIELD	--
86	W	--

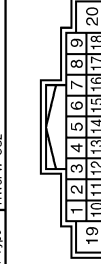
Connector No.	M208
Connector Name	AV CONTROL UNIT
Connector Type	TH18FW-CS2



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

87	B	--
88	R	--
89	G	--
90	Y	--
91	V	--
94	Y	--
95	G	--
97	R	--

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	R	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

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

# POWER SUPPLY ROUTING CIRCUIT

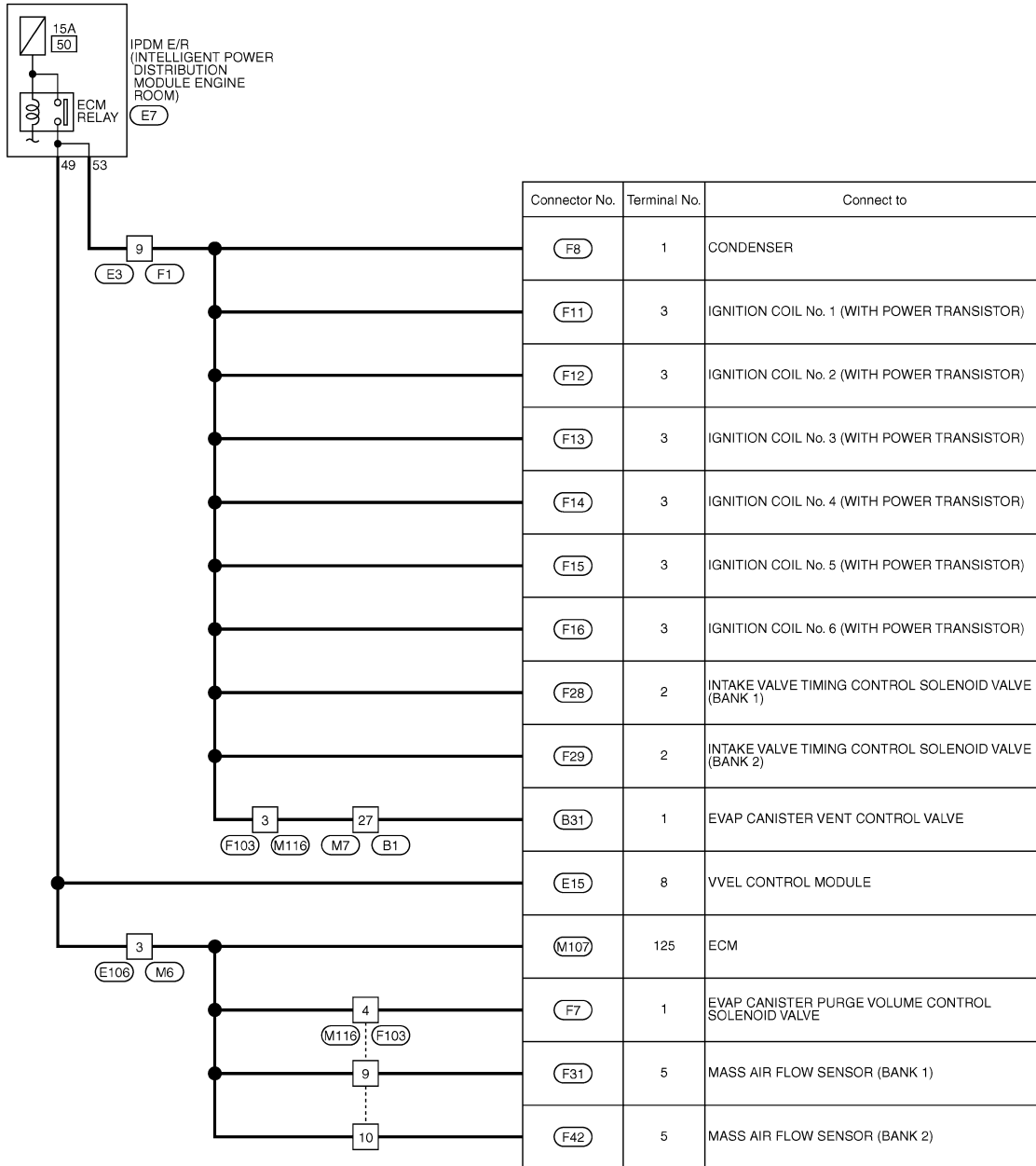
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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

INFOID:000000006451796

### BATTERY POWER SUPPLY FUSE No. 50



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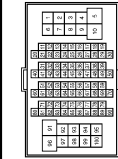
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

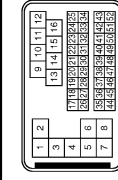
## BATTERY POWER SUPPLY FUSE No. 50

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



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
2	G	-
3	SB	-
4	Y	-
6	Y	-
15	V	-
16	BR	-
17	LG	-
18	W	-
20	L	-
21	P	-
22	L	-
23	P	-
24	GR	-
25	SB	-
26	G	-
27	W	-
28	G	-
31	V	-
32	SB	-
33	SHIELD	-
34	W	-
35	BR	-
36	Y	-
37	SHIELD	-
38	Y	-
38	LG	-
40	P	-
41	L	-
42	SHIELD	-
43	R	-
44	G	-
45	SHIELD	-
46	SB	-
48	L	-
50	P	-
55	P	-
56	G	-

Connector No.	58
Connector Name	LG
Connector Type	BR
Connector No.	61
Connector Name	W
Connector Type	R
Connector No.	63
Connector Name	L
Connector Type	Y
Connector No.	65
Connector Name	SHIELD
Connector Type	-
Connector No.	71
Connector Name	BR
Connector Type	SB
Connector No.	72
Connector Name	P
Connector Type	-
Connector No.	74
Connector Name	L
Connector Type	-
Connector No.	81
Connector Name	R
Connector Type	-
Connector No.	82
Connector Name	B
Connector Type	-
Connector No.	84
Connector Name	Y
Connector Type	-
Connector No.	85
Connector Name	L
Connector Type	-
Connector No.	86
Connector Name	GR
Connector Type	-
Connector No.	87
Connector Name	R
Connector Type	-
Connector No.	88
Connector Name	V
Connector Type	-
Connector No.	89
Connector Name	GR
Connector Type	-
Connector No.	91
Connector Name	Y
Connector Type	-
Connector No.	95
Connector Name	EG
Connector Type	-
Connector No.	96
Connector Name	R
Connector Type	-
Connector No.	100
Connector Name	V
Connector Type	-



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	-

Connector No.	43
Connector Name	G
Connector Type	-
Connector No.	45
Connector Name	BG
Connector Type	-
Connector No.	46
Connector Name	SHIELD
Connector Type	-
Connector No.	47
Connector Name	W
Connector Type	-
Connector No.	48
Connector Name	BR
Connector Type	-
Connector No.	49
Connector Name	G
Connector Type	-
Connector No.	50
Connector Name	B
Connector Type	-
Connector No.	51
Connector Name	SB
Connector Type	-
Connector No.	52
Connector Name	R
Connector Type	-

Connector No.	E7
Connector Name	IPWM 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	-

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# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

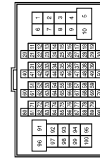
## BATTERY POWER SUPPLY FUSE No. 50

Connector No.	E16
Connector Name	VVEL CONTROL MODULE
Connector Type	RH18FB-AJ26-RH



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	VVEL ACTUATOR MOTOR POWER SUPPLY (B2)
2	L/B	VVEL ACTUATOR MOTOR (HIGH LIFT) (B2)
3	G	VVEL CONTROL SHAFT POS SEN 2 (B1)
4	W	SENSOR GROUND
5	R	VVEL CONTROL SHAFT POS SEN 2 (B2)
6	B	SENSOR GROUND
7	SB	SENSOR POWER SUPPLY
8	BG	POWER SUPPLY FOR VVEL CONTROL MODULE
9	LG	SENSOR POWER SUPPLY
11	G	CAN COMMUNICATION LINE (ECM)
12	G	VVEL ACTUATOR MOTOR (HIGH LIFT) (B1)
13	W	VVEL ACTUATOR MOTOR POWER SUPPLY (B1)
14	B/W	VVEL CONTROL MODULE GROUND
15	L/Y	VVEL ACTUATOR MOTOR (LOW LIFT) (B2)
16	R	VVEL CONTROL SHAFT POS SEN 1 (B1)
17	L	SENSOR GROUND
18	G	VVEL CONTROL SHAFT POS SEN 1 (B2)
19	W	SENSOR GROUND
20	BR	SENSOR POWER SUPPLY
21	V	VVEL ACTUATOR MOTOR RELAY ABORT SIGNAL
22	P	SENSOR POWER SUPPLY
23	Y	VVEL CONTROL MOTOR BELAY
24	L	CAN COMMUNICATION LINE
25	BR	VVEL CONTROL MOTOR (LOW LIFT) (B1)

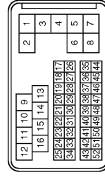
Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	TH80FV-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	
3	BG	
6	BG	
7	V	
7	LG	- [With daytime running light]
9	L	- [Without daytime running light]
9	R	- [With daytime running light]
9	R	- [Without daytime running light]
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	
48	L	
59	B	
66	LG	
67	SB	
68	R	
69	W	
70	G	
80	P	
81	P	
82	G	
83	V	
84	L	

85	BG	
86	LG	
87	Y	
88	GR	
88	W	
91	G	
93	GR	
95	Y	
96	Y	
97	BR	
97	SHIELD	
99	L	
100	P	

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	- [2WD models]
16	O	- [AWD models]
17	W	
18	LG	
19	P	
19	SB	- [2WD models]
19	SB	- [AWD models]
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	- [2WD models]
34	BR	- [AWD models]
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	REP. CHARACTER PULSE VOLUME CONTROL SOLENOID VALVE
Connector Type	EQ2FL-RS-LGY



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

# 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	MD2PW-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	SB	-
2	B	-
3	W	-

Connector No.	F28
Connector Name	INTEGRAL VALVE TIMING CONTROL SOLENOID VALVE BANK 1
Connector Type	E02FG-RS-LGY



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	B	-
2	B	-
3	W	-

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



Terminal No.	1	W	-
Terminal No.	2	R	-



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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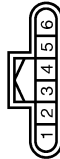
# POWER SUPPLY ROUTING CIRCUIT

< 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	RH06FB



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

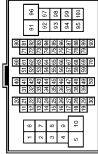
Connector No.	F103
Connector Name	WIRE TO WIRE
Connector Type	TK36FW-MS10



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

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

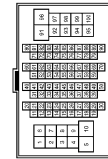
# POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

## BATTERY POWER SUPPLY FUSE No. 50

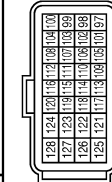
Connector No.	M7
Connector Name	WIRE TO WIRE
Connector Type	TR38MW-CS (F-TM4)



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
2	P	-
3	SB	- [With automatic drive positioner]
4	P	- [Without automatic drive positioner]
5	Y	-
6	L	-
7	R	-
8	BR	-
9	P	-
10	Y	-
11	L	-
12	L	-
13	P	-
14	V	-
15	LG	-
16	LG	-
17	LG	-
18	LG	-
19	LG	-
20	LG	-
21	P	-
22	L	-
23	P	-
24	V	-
25	LG	-
26	BR	-
27	EG	-
28	LG	-
29	LG	-
30	LG	-
31	V	-
32	LG	-
33	SHIELD	-
34	GR	-
35	BR	-
36	Y	-
37	SHIELD	-
38	SB	-
39	LG	-
40	O	-
41	W	-
42	SHIELD	-
43	R	-
44	G	-
45	SHIELD	-
46	SB	-
48	L	-
50	P	-
55	W	-

56	B	-
58	V	-
59	Y	-
60	Y	-
61	W	-
62	R	-
63	G	-
64	B	-
65	SHIELD	-
71	V	-
72	P	-
73	SB	-
74	V	-
81	W	-
82	BR	-
84	LG	-
85	EG	-
86	SB	-
87	G	-
88	GR	-
90	P	-
91	EG	-
95	EG	-
96	Y	-
100	P	-

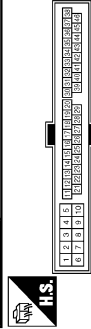
Connector No.	M107
Connector Name	ECM
Connector Type	RH24FGY-RZ6-R-LH-Z



Terminal No.	Color of Wire	Signal Name [Specification]
97	R	APP SEN 1
98	P	APP SEN 2
99	L	SENSOR POWER SUPPLY
100	W	SENSOR GROUND
101	SB	ASC/D/ICC STEERING SW
102	LG	EVAP CONTROL SYSTEM PRESS SEN
103	GR	SENSOR POWER SUPPLY
104	V	SENSOR GROUND
105	L	REFRIGERANT PRESS SEN
106	W	FUEL TANK TEMP SEN
107	GR	SENSOR POWER SUPPLY

108	Y	SENSOR GROUND
109	G	PNP SIGNAL
110	R	ENGINE SPEED OUTPUT SIGNAL
112	V	SENSOR GROUND
113	P	CAN COMMUNICATION LINE
114	L	CAN COMMUNICATION LINE
117	V	DATA LINK CONNECTOR
121	LG	EVAP GANISTER VENT CONTROL VALVE
122	P	STOP LAMP SW
123	B	ECM GROUND
124	B	ECM GROUND
125	R	POWER SUPPLY FOR ECM
126	BR	ASC/D/ICC BRAKE SW
127	B	ECM GROUND
128	B	ECM GROUND

Connector No.	M116
Connector Name	WIRE TO WIRE
Connector Type	TR38MW-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	LG	-
31	W	-
33	B	-
34	B	-
35	L	-
36	P	-
37	R	-
38	SB	-
41	BG	-
42	G	-
43	P	-

44	L	-
45	Y	-
46	SB	-

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# POWER SUPPLY ROUTING CIRCUIT

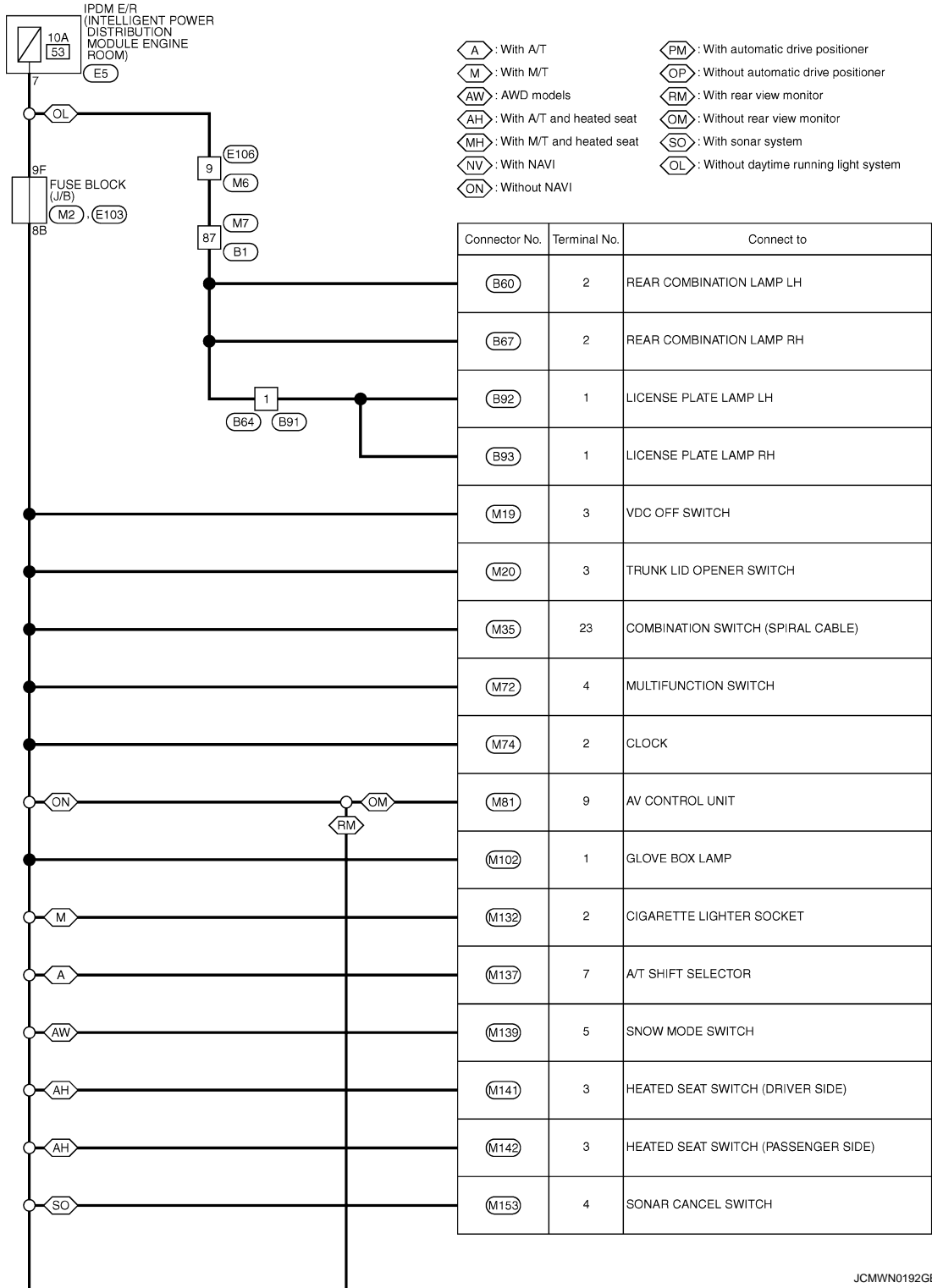
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[POWER SUPPLY & GROUND CIRCUIT]

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

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### BATTERY POWER SUPPLY FUSE No. 53



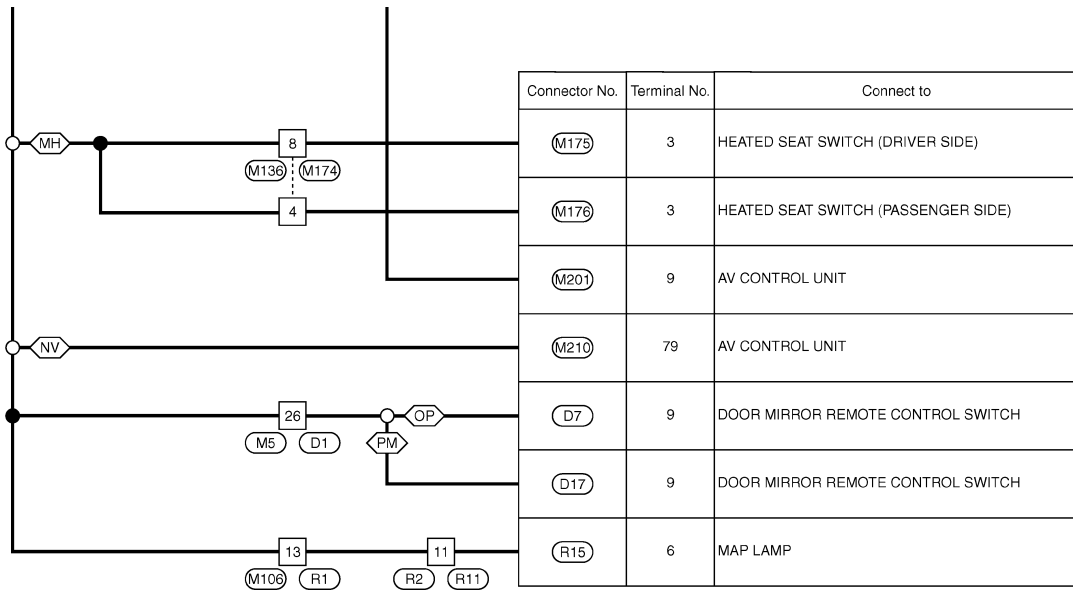
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# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]



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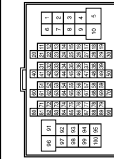
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BATTERY POWER SUPPLY FUSE No. 53

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



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
2	G	-
3	SB	-
4	Y	-
6	Y	-
15	V	-
16	BR	-
17	LG	-
18	W	-
20	L	-
21	P	-
22	L	-
23	P	-
24	GR	-
25	SB	-
26	G	-
27	W	-
28	G	-
31	V	-
32	SB	-
33	SHIELD	-
34	W	-
35	BR	-
36	Y	-
37	SHIELD	-
38	Y	-
38	LG	-
40	P	-
41	L	-
42	SHIELD	-
43	R	-
44	G	-
45	SHIELD	-
46	SB	-
49	L	-
50	P	-
55	P	-
56	G	-

58	V	-
59	LG	-
60	BR	-
61	W	-
62	R	-
63	L	-
64	Y	-
65	SHIELD	-
71	BR	-
72	SB	-
73	P	-
74	L	-
81	R	-
82	B	-
84	Y	-
85	L	-
86	GR	-
87	R	-
88	V	-
90	GR	-
91	Y	-
93	BG	-
96	R	-
100	V	-

Connector No.	B60
Connector Name	REAR COMBINATION LAMP LH
Connector Type	NSD6MW-GS



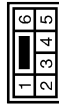
Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	R	-
3	B	-
4	LG	-
5	GR	-
6	BG	-

Connector No.	B64
Connector Name	WIRE TO WIRE
Connector Type	RG02FGY



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

Connector No.	B67
Connector Name	REAR COMBINATION LAMP RH
Connector Type	NSD6MW-CS



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

Connector No.	B91
Connector Name	WIRE TO WIRE
Connector Type	RK02MGY



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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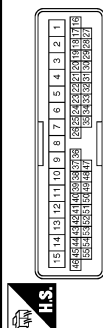
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

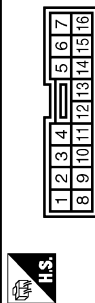
## BATTERY POWER SUPPLY FUSE No. 53

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



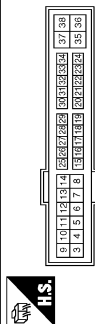
51	P	-
52	V	-

Connector No.	D7
Connector Name	DOOR MIRROR REMOTE CONTROL SWITCH
Connector Type	TK1BFW



15	Y	-
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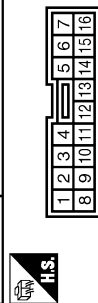
Connector No.	E5
Connector Name	MODULE INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE-RELAY)
Connector Type	TH20FW-CS12-MM-IV



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	B	-
3	SB	-
4	V	-
5	L	-
6	L	-
7	L	-
8	L	-
9	LG	-
10	LG	-
11	W	-
12	W	-
13	W	-
14	W	-
15	R	-
16	GR	-
17	SB	-
18	BR	-
19	BG	-
20	P	-
21	R	-
25	V	-
26	R	-
27	BR	-
28	W	-
29	Y	-
30	G	-
31	LG	-
32	GR	-
33	B	-
36	W	-
37	P	-
38	V	-
39	BR	-
42	G	-
43	GR	-
44	BR	- [With automatic drive positioner] - [Without automatic drive positioner]
44	BG	-
47	L	-
48	R	-
48	SB	-
50	W	-

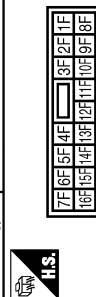
Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
2	V	-
3	B	-
4	B	-
5	R	-
6	BR	-
7	B/W	-
8	G	-
9	GR	-
10	GR	-
11	GR	-
12	GR	-
13	GR	-
14	GR	-
15	BG	-
16	BG	-

Connector No.	D17
Connector Name	DOOR MIRROR REMOTE CONTROL SWITCH
Connector Type	TK1BFBR



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

Connector No.	E103
Connector Name	FUSE BLOCK (J/B)
Connector Type	INS16FW-CS



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

4F	G	-
6F	BG	-
8F	L	-
9F	R	-

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

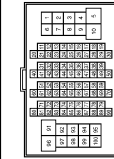
# POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

## BATTERY POWER SUPPLY FUSE No. 53

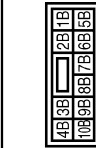
Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	THB07V-CS16-TM44



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
2	GR	-
3	BG	-
4	G	-
5	BG	-
6	BG	-
7	V	- [With daytime running light]
8	LG	- [Without daytime running light]
9	L	- [With daytime running light]
10	R	- [Without daytime running light]
11	W	-
12	V	-
13	R	-
14	L	-
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	-

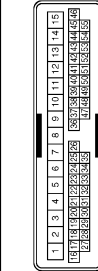
49	L	-
59	B	-
66	LG	-
67	SB	-
68	R	-
69	W	-
70	G	-
80	W	-
81	P	-
82	G	-
83	V	-
84	L	-
85	BG	-
86	LG	-
87	Y	-
88	GR	-
89	W	-
91	G	-
93	GR	-
95	Y	-
96	Y	-
97	BR	-
98	SHIELD	-
99	L	-
100	P	-

Connector No.	M2
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS10FV-CS



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

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



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	B	-
3	BG	-
4	V	-
8	SB	-
9	G	-
10	V	-
12	L	-
13	W	-
14	B	-
15	W	-
16	R	-
17	BR	-
18	V	-
19	BG	-
20	P	-
21	W	-
25	Y	-
26	G	-
27	L	-
28	Y	-
29	G	-
30	SB	-
31	LG	-
32	W	-
33	B	-
36	W	-
37	GR	-
38	Y	-
39	B	-
42	Y	-
43	L	-
44	G	- [With automatic drive positioner] - [Without automatic drive positioner]
47	L	-
48	GR	-
48	SB	-
50	P	-

51	LG
52	V

# POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

## BATTERY POWER SUPPLY FUSE No. 53

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	LG	
7	W	
8	G	
10	W	
11	V	
12	R	
13	L	
14	GR	
15	P	
16	W	
17	BR	
18	P	
19	L	
20	L	
30	BR	
31	L	
32	Y	
33	EG	
34	W	
35	BR	
36	R	
37	Y	
38	R	
39	SB	
40	G	
41	V	
42	LG	
43	P	
44	B	
45	EG	
46	G	
47	L	
48	L	

59	B	
66	Y	
67	G	
68	R	
69	W	
70	G	
80	SB	
81	B	
82	V	
83	W	
84	L	
85	GR	
86	G	
87	R	
88	B	
89	LG	
91	W	
93	Y	
95	Y	
96	R	
97	GR	
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	GR	
2	P	
3	SB	
3	P	- [With automatic drive positioner]
4	Y	- [Without automatic drive positioner]
6	L	
15	R	
16	BR	
17	P	
18	V	
20	L	
21	P	

22	L	
23	P	
24	V	
25	LG	
26	BR	
27	BG	
28	LG	
31	V	
32	LG	
33	SHIELD	
34	GR	
35	BR	
36	Y	
37	SHIELD	
38	SB	
39	LG	
40	O	
41	W	
42	SHIELD	
43	R	
44	G	
45	SHIELD	
46	SB	
48	L	
50	P	
55	W	
56	B	
58	V	
59	Y	
60	Y	
61	W	
62	R	
63	G	
64	B	
65	SHIELD	
71	V	
72	P	
73	SB	
74	V	
81	W	
82	BR	
84	LG	
85	BG	
86	SB	
87	G	
88	GR	
90	P	
91	BG	
95	BG	
96	Y	
100	P	

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



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

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

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# POWER SUPPLY ROUTING CIRCUIT

## [POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

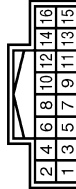
### BATTERY POWER SUPPLY FUSE No. 53

Connector No.	M35
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TK06FY-EK-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	TH16FW-NH



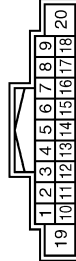
Terminal No.	Color of Wire	Signal Name [Specification]
1	B	GND
3	P	ACC
4	EG	ILL
5	B	ILL CONT
6	SB	AV COMM (H)
8	LG	AV COMM (L)
9	BR	SW GND
14	V	DISK EJECT SIGNAL
16	G	HAZARD ON

Connector No.	M74
Connector Name	CLOCK
Connector Type	TH04FW-NH



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

Connector No.	M81
Connector Name	AV CONTROL UNIT
Connector Type	TH16FW-GS2



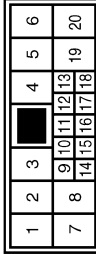
Terminal No.	Color of Wire	Signal Name [Specification]
2	L	SOUND SIGNAL FRONT LH (+)
3	W	SOUND SIGNAL FRONT LH (-)
4	LG	SOUND SIGNAL REAR LH (+)
5	SB	SOUND SIGNAL REAR LH (-)
6	P	STRG SW A
7	V	ACC
8	B	GND
9	L	ILLUMINATION
11	BR	SOUND SIGNAL FRONT RH (+)
12	R	SOUND SIGNAL FRONT RH (-)
13	L	SOUND SIGNAL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

Connector No.	M102
Connector Name	GLOVE BOX LAMP
Connector Type	A02FW



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

Connector No.	M106
Connector Name	WIRE TO WIRE
Connector Type	MH10MW-CS10



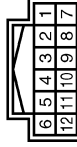
Terminal No.	Color of Wire	Signal Name [Specification]
2	L	-
3	SHIELD	-
4	G	-
5	BR	-
6	EG	-
7	P	-
8	LG	-
9	V	-
10	V	-
11	B	-
12	B	-
13	R	-
15	R	-
16	G	-
17	SHIELD	-
18	B	-
19	Y	-
20	R	-

Connector No.	M132
Connector Name	CIGARETTE LIGHTER SOCKET
Connector Type	NS33FW-CS



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

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



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

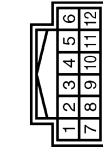
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

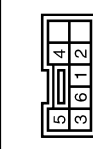
## BATTERY POWER SUPPLY FUSE No. 53

Connector No.	M137
Connector Name	A/T SHIFT SELECTOR
Connector Type	TH12FN-NH



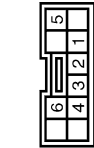
Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	V	-
3	L	-
4	B	-
5	G	-
7	Y	-
8	LG	-
9	B	-
10	GR	-
11	R	-

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



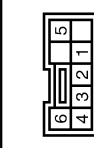
Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	GR	-
4	Y	-
5	P	-
6	B	-

Connector No.	M141
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	B	-
5	G	-
6	B	-

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



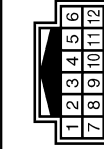
Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
2	SB	-
3	V	-
4	B	-
5	BG	-
6	B	-

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



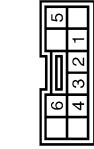
Terminal No.	Color of Wire	Signal Name [Specification]
1	SB	-
2	B	-
3	B	-
4	R	-
5	L	-
6	B	-

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



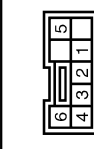
Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	GR	-
3	W	-
4	G	-
5	O	-
6	P	-
7	B	-
8	R	-
9	LG	-
10	Y	-
11	V	-
12	SB	-

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	V	-
2	SB	-
3	G	-
4	O	-
5	P	-
6	V	-

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

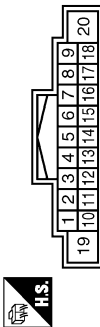
# POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

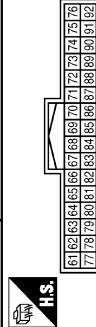
## BATTERY POWER SUPPLY FUSE No. 53

Connector No.	M201
Connector Name	AV CONTROL UNIT
Connector Type	TH18FY-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 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	R	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

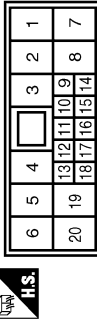
Connector No.	M210
Connector Name	AV CONTROL UNIT
Connector Type	TH22FY-NH



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

74	P	CAN-L
75	LG	AV COMM (L)
76	LG	AV COMM (L)
79	L	ILLUMINATION
80	G	IGNITION
81	EG	REVERSE
82	R	VEHICLE SPEED (3-PULSE)
83	SHIELD	SHIELD
87	R	MICROPHONE SIGNAL
88	SHIELD	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	NH10FY-SS10



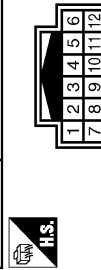
Terminal No.	Color of Wire	Signal Name [Specification]
2	GR	SHIELD
3	SHIELD	SHIELD
4	G	SHIELD
5	BR	SHIELD
6	Y	SHIELD
7	G	SHIELD
8	BR	SHIELD
9	R	SHIELD
10	V	SHIELD
11	B	SHIELD
12	B	SHIELD
13	Y	SHIELD
15	O	SHIELD
16	W	SHIELD
17	SHIELD	SHIELD
18	B	SHIELD
19	Y	SHIELD
20	R	SHIELD

Connector No.	R2
Connector Name	WIRE TO WIRE
Connector Type	TH12FY-NH



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

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



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

Connector No.	R15
Connector Name	MAP LAMP
Connector Type	TK08FGY



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

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# POWER SUPPLY ROUTING CIRCUIT

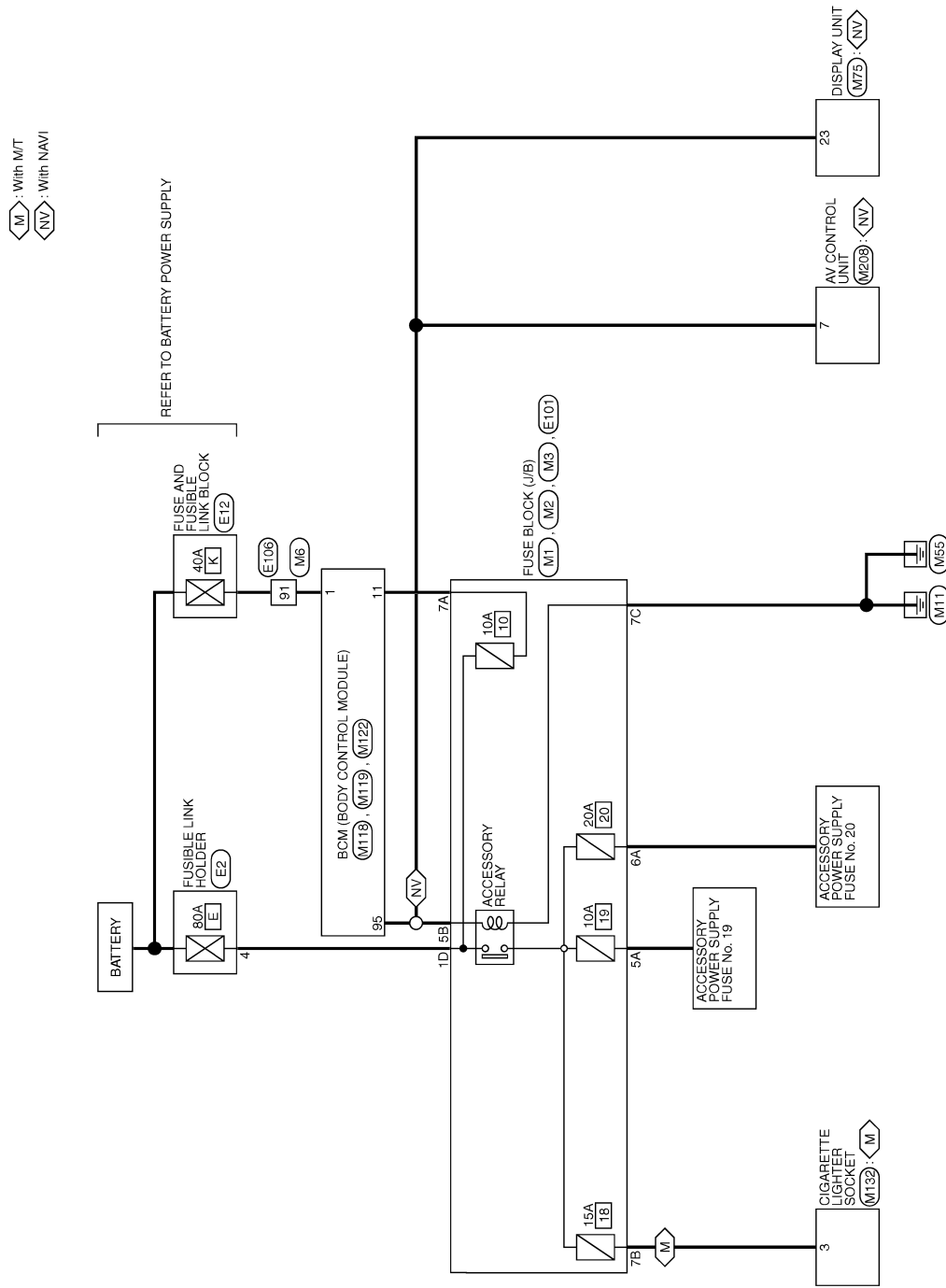
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Wiring Diagram - ACCESSORY POWER SUPPLY -

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### ACCESSORY POWER SUPPLY



2010/10/07

JCMWN0201GB

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]

## ACCESSORY POWER SUPPLY

Connector No.	E2
Connector Name	FUSIBLE LINK HOLDER
Connector Type	LOPGY-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



10
----

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

Connector No.	E108
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	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	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	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200
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Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	
3	BG	
5	G	

6	BG	-	-	-	-
7	V	-	-	-	-
7	LG	-	-	-	-
9	L	-	-	-	-
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	-	-	-	-
50	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	V	-	-	-	-
97	BR	-	-	-	-
98	SHIELD	-	-	-	-
99	L	-	-	-	-
100	P	-	-	-	-



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

3A	7A	6A	5A	4A
8A	7A	6A	5A	4A

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

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



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

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

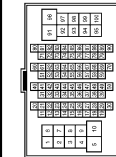
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## ACCESSORY POWER SUPPLY

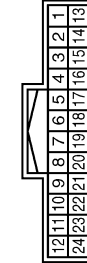
Connector No.	M8
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS (F-TM4)



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

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

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



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

Connector No.	M118
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	M03FB-LC



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	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 LID LOCK OUTPUT
9	G	DRIVER DOOR FUEL LID UNLOCK OUTPUT
11	R	BAT (FUSE)
13	B	GND
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	INT ROOM LAMP CONT

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 Z-
73	G	ROOM ANT Z+
74	SR	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	MATS ANT AMP
81	W	MATS ANT AMP
82	SB	IGN RELAY (F/B) CONT
83	Y	KEYLESS ENTRY RECEIVER COMM
87	Y	COMBI SW INPUT 5
88	BG	COMBI SW INPUT 3
89	BR	PUSH SW
90	P	CAN-L
91	L	CAN-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
97	L	S/L CONDITION 2
98	P	S/L CONDITION 2
99	R	SHIFT P (Wth A/T)
99	BR	ASCD CLUTCH SW [Wth M/T]
100	Y	PASSENGER DOOR REQUEST SW
101	P	DRIVER DOOR REQUEST SW
102	BG	BLOWER FAN MOTOR RELAY CONT
103	P	KEYLESS ENTRY RECEIVER POWER SUPPLY
106	SB	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

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# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## ACCESSORY POWER SUPPLY

Connector No.	M132
Connector Name	CIGARETTE LIGHTER SOCKET
Connector Type	NS03FW-CS



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

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

JCMWN0204GB

# POWER SUPPLY ROUTING CIRCUIT

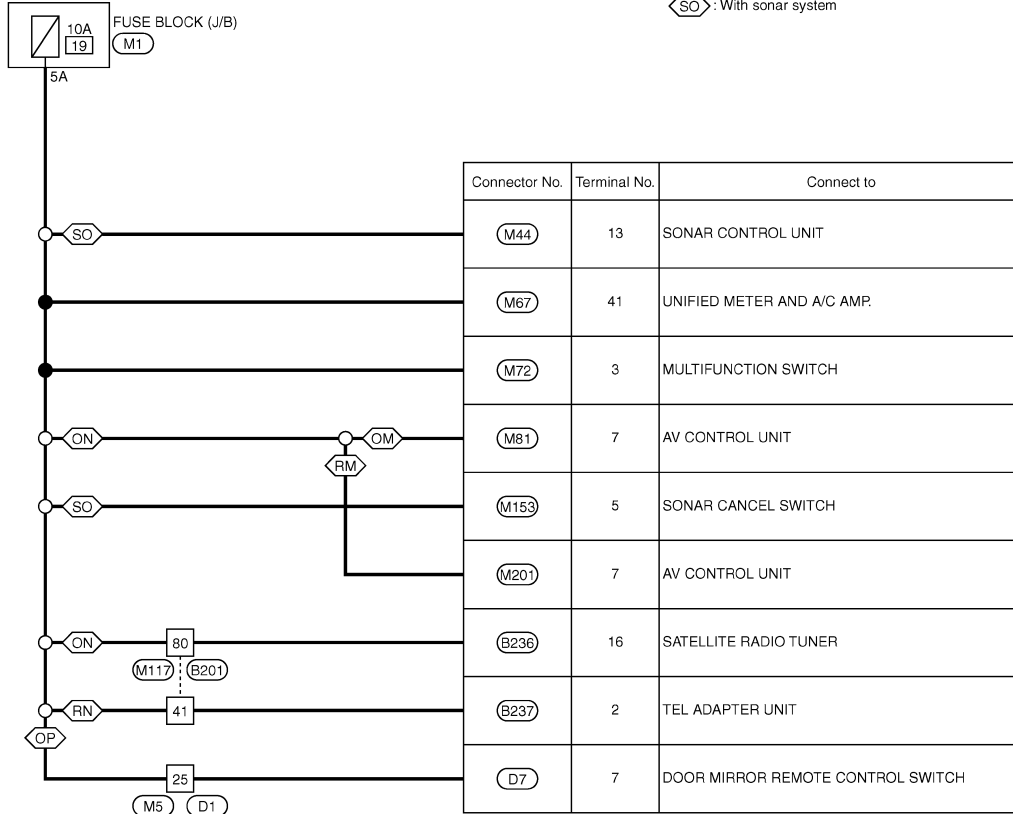
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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

INFOID:000000006451799

- ON : Without NAVI
- OP : Without automatic drive positioner
- RM : With rear view monitor
- OM : Without rear view monitor
- RN : With rear view monitor without NAVI
- SO : With sonar system



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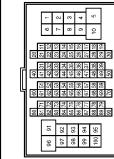
# POWER SUPPLY ROUTING CIRCUIT

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[POWER SUPPLY & GROUND CIRCUIT]

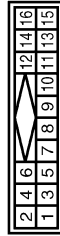
## ACCESSORY POWER SUPPLY FUSE No. 19

Connector No.	B201
Connector Name	WIRE TO WIRE
Connector Type	THB07W-CS16-TM4



97	BR	-
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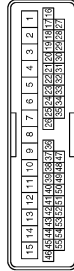
Connector No.	B235
Connector Name	SATELLITE RADIO TUNER
Connector Type	TA16FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
5	Y	-
6	Y	-
7	BG	-
9	LG	-
10	R	-
30	B	-
31	L	-
32	P	-
33	SB	-
34	V	-
40	GR	-
41	LG	-
42	BG	-
43	R	-
45	G	-
46	SHIELD	-
47	G	-
48	Y	-
48	SHIELD	-
50	P	-
55	BG	-
71	R	-
72	V	-
80	V	-
81	SHIELD	-
82	Y	-
83	BR	-
84	O	-
85	SHIELD	-
86	G	-
87	R	-
88	W	-
89	B	-
90	SB	-
91	V	-
94	W	-
95	G	-

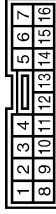
9	Y	TEL VOICE SIGNAL (+)
10	G	TEL VOICE SIGNAL (-)
22	B	CONTROL SIGNAL
24	B	CONTROL SIGNAL
25	P	VEHICLE SPEED (8-PULSE)
29	G	MICROPHONE VCC

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



42	G	-
43	GR	-
44	BR	- [With automatic drive positioner]
44	BG	- [Without automatic drive positioner]
47	L	-
48	R	-
49	SB	-
50	W	-
51	P	-
52	V	-

Connector No.	D7
Connector Name	DOOR MIRROR REMOTE CONTROL SWITCH
Connector Type	TK46FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	B	-
3	SB	-
4	V	-
8	L	-
9	P	-
10	LG	-
12	GR	-
13	W	-
14	G	-
15	R	-
16	GR	-
17	SB	-
18	BR	-
18	BC	-
19	PG	-
20	P	-
21	R	-
25	V	-
26	R	-
27	BR	-
28	W	-
29	Y	-
30	G	-
31	LG	-
32	GR	-
33	B	-
36	W	-
37	P	-
38	V	-
39	BR	-

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

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

# POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

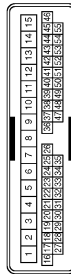
## ACCESSORY POWER SUPPLY FUSE No. 19

Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS38FW-M2



Terminal No.	Color of Wire	Signal Name [Specification]
1A	V	-
2A	G	-
3A	L	-
4A	P	-
5A	L	- [With automatic drive positioner]
6A	Y	- [Without automatic drive positioner]
7A	R	-
8A	L	-

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



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	B	-
3	BG	-
4	V	-
8	SB	-
9	G	-
10	V	-
12	L	-
13	W	-
14	B	-
15	W	-
16	R	-
17	BR	-
18	V	-

19	BG	-
20	P	-
21	W	-
23	Y	-
26	G	-
27	L	-
28	Y	-
29	G	-
30	SB	-
31	LG	-
32	W	-
33	B	-
36	W	-
37	GR	-
38	Y	-
39	B	-
42	Y	-
43	L	-
44	G	-
47	L	-
48	GR	-
49	SB	-
50	P	-
51	LG	-
52	V	-

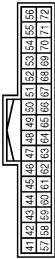
Connector No.	M44
Connector Name	SONAR CONTROL UNIT
Connector Type	TH24FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	IGN
2	SB	CANCEL SW SIGNAL
5	W	CORNER SENSOR SIGNAL REAR LH
6	Y	CORNER SENSOR SIGNAL REAR RH
7	G	CORNER SENSOR SIGNAL REAR LH
8	R	CORNER SENSOR SIGNAL REAR RH
11	B	CANCEL SW INDICATOR
12	B	SENSOR GND
13	GR	ACC
17	BG	R RANGE SIGNAL

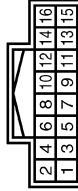
18	V	K LINE
19	SB	AV COMM (H)
20	LG	AV COMM (L)
24	B	GND

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



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

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



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	GND
3	P	AGC
4	BG	ILL
5	B	ILL COM1
6	SB	AV COMM (H)
8	LG	AV COMM (L)
9	BR	SW GND
14	V	DISK EJECT SIGNAL
16	G	HAZARD ON

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PG

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

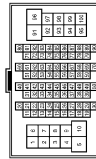
## ACCESSORY POWER SUPPLY FUSE No. 19

Connector No.	M81
Connector Name	AV CONTROL UNIT
Connector Type	TH18PW-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 LH (+)
5	SB	SOUND SIGNAL REAR LH (-)
6	P	STRG SW A
7	V	ACC
8	B	GND
9	L	ILLUMINATION
11	BR	SOUND SIGNAL FRONT RH (+)
12	R	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
19	Y	BATTERY
20	B	GND

Connector No.	M117
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CSI (6-TIM)



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
5	P	-
6	G	-
7	SB	-
9	LG	-
10	L	-

30	B	-
31	SB	-
32	LG	-
33	SB	-
34	LG	-
40	Y	-
41	G	-
42	LG	-
43	R	-
45	G	-
46	SHIELD	-
47	P	-
48	L	-
49	SHIELD	-
50	V	-
59	R	-
71	R	-
72	L	-
80	W	-
81	SHIELD	-
82	P	-
83	L	-
84	G	-
85	SHIELD	-
86	W	-
87	B	-
88	R	-
89	G	-
90	Y	-
91	V	-
94	Y	-
95	G	-
97	R	-

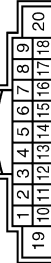
Connector No.	M153
Connector Name	SONAR CANCEL SWITCH
Connector Type	TK03FW



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

4	R	-
5	L	-
6	B	-

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	ACC
9	L	ILLUMINATION
11	BR	SOUND SIGNAL FRONT RH (+)
12	R	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



# POWER SUPPLY ROUTING CIRCUIT

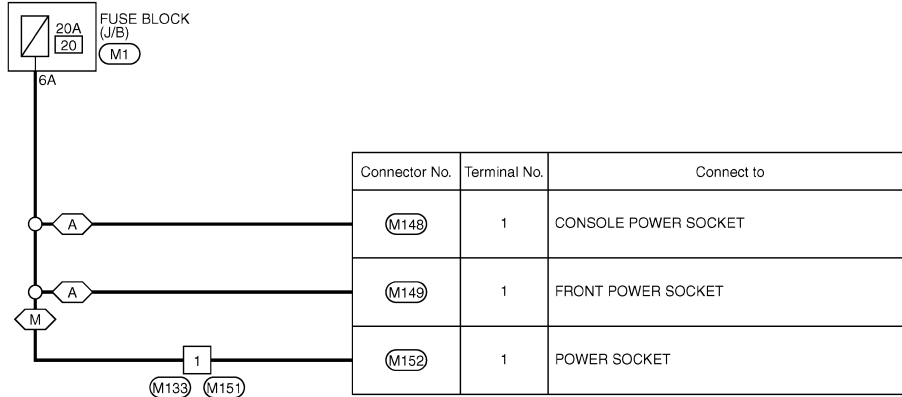
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Wiring Diagram - ACCESSORY POWER SUPPLY FUSE No. 20 - ACCESSORY POWER SUPPLY FUSE No. 20

INFOID:000000006934357

⬡ : With A/T  
⬢ : With M/T



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2010/10/07

JCMWN0209GB

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## ACCESSORY POWER SUPPLY FUSE No. 20

Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS06FY-MZ



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

Connector No.	M133
Connector Name	WIRE TO WIRE
Connector Type	M02FB-LC



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

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



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

Connector No.	M149
Connector Name	FRONT POWER SOCKET
Connector Type	P02FB-Z



Terminal No.	Color of Wire	Signal Name [Specification]
1	P	-
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	P02FB-Z



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

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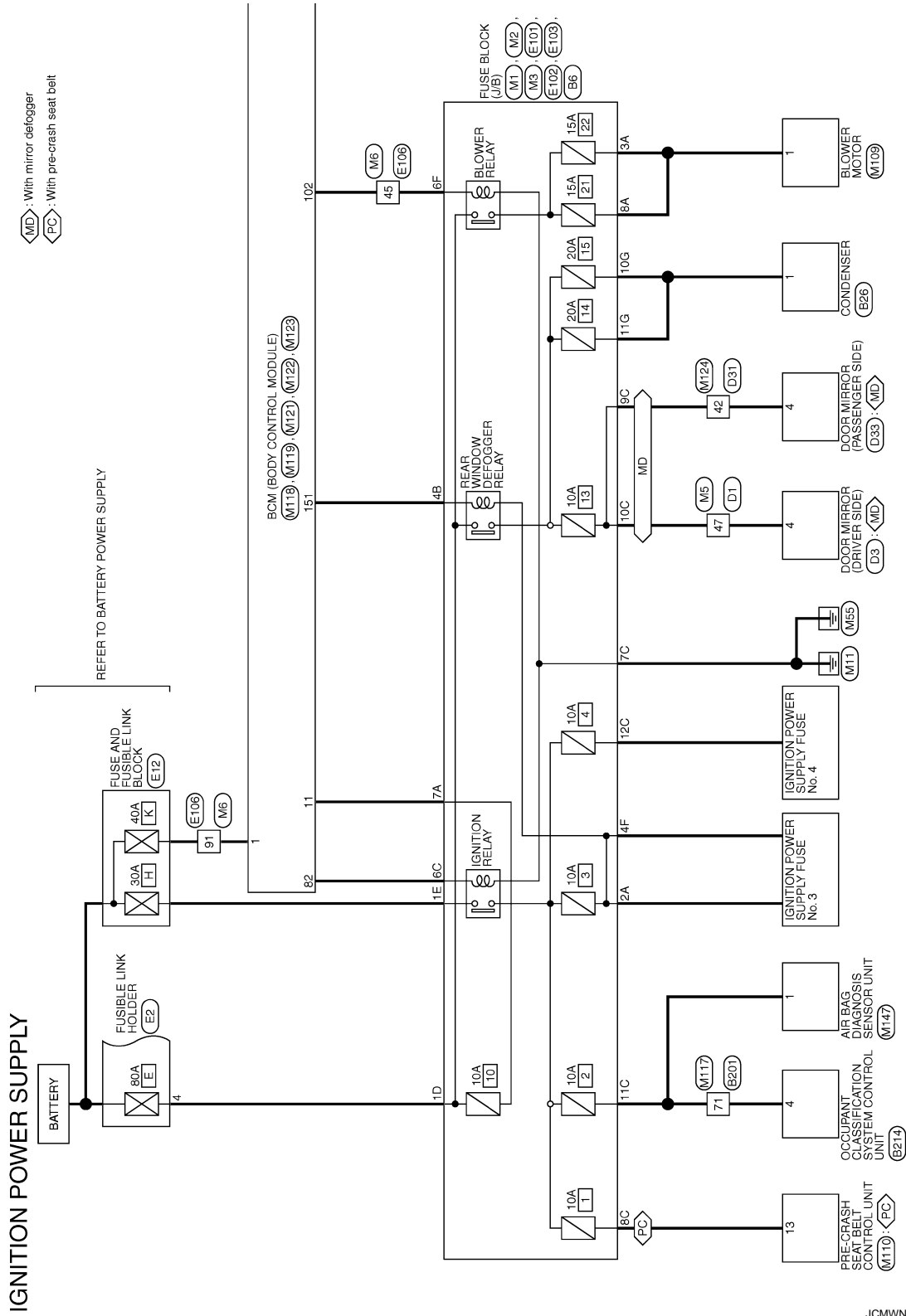
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Wiring Diagram - IGNITION POWER SUPPLY -

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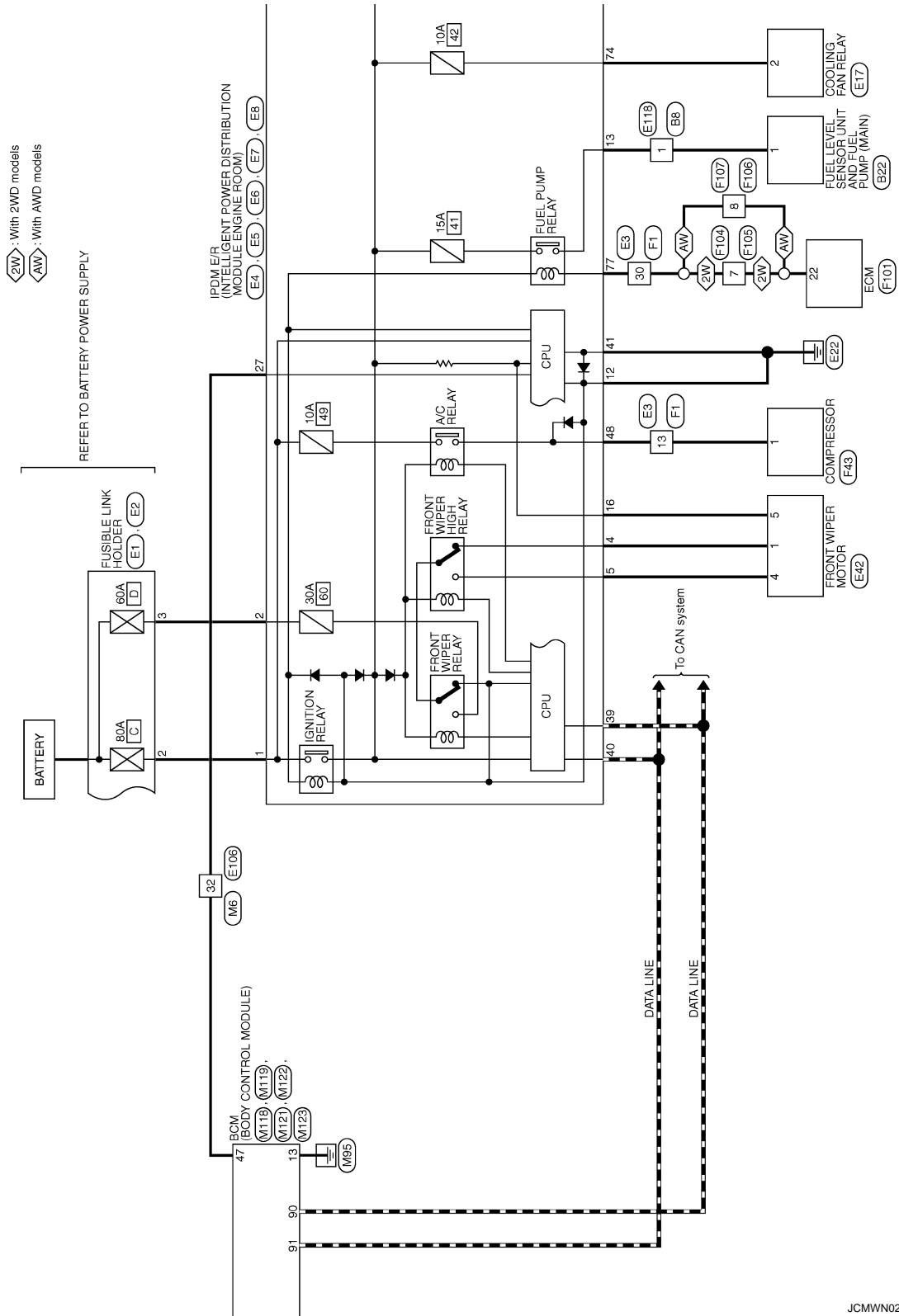
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# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]



# POWER SUPPLY ROUTING CIRCUIT

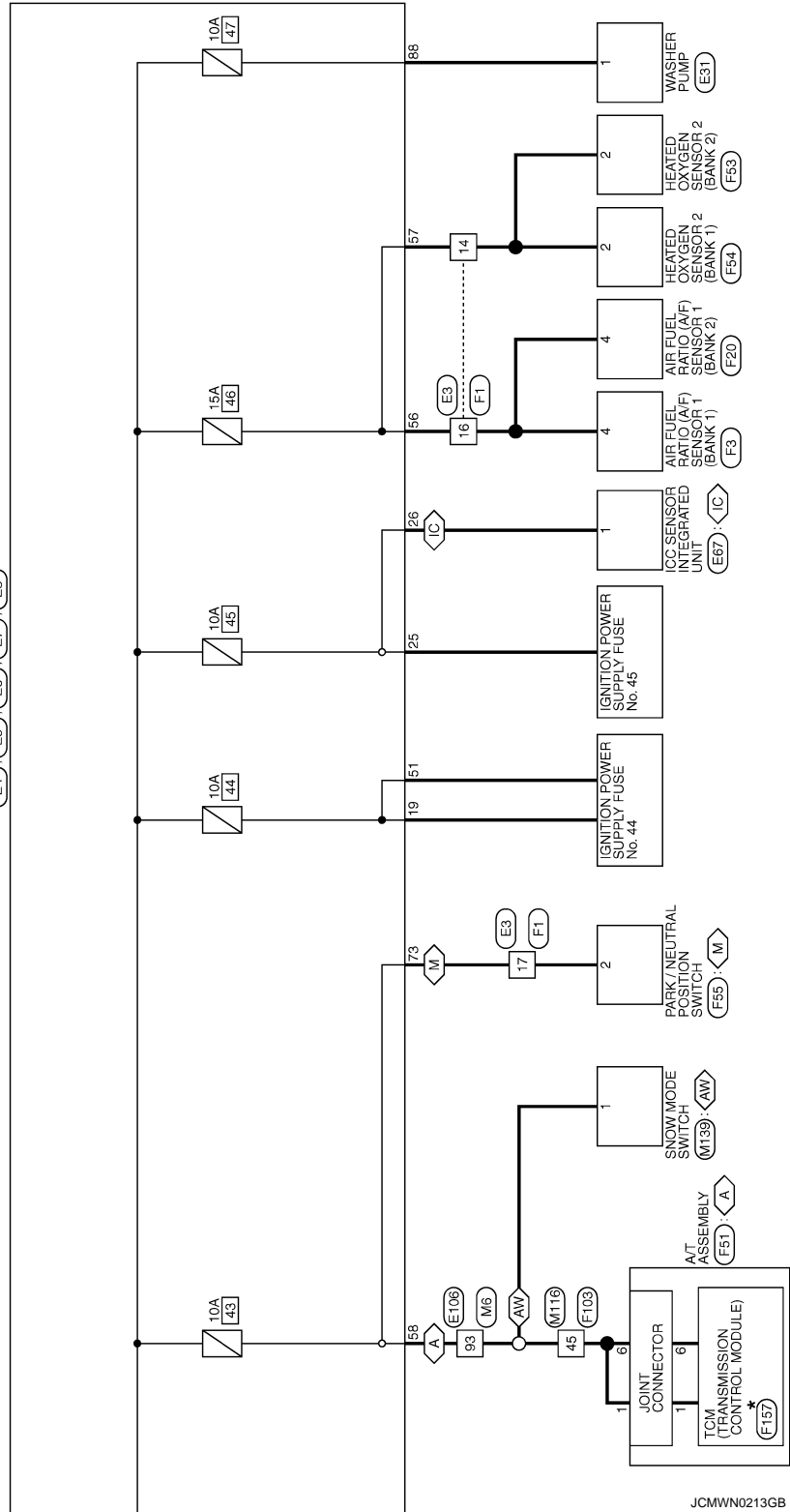
[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

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

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

IPDM/ER  
(INTELLIGENT POWER DISTRIBUTION  
MODULE ENGINE ROOM)



JCMWN0213GB

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# 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



5C4G	8G2G1G
1231G10G8G8G7G6G	

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

Connector No.	B22
Connector Name	FUEL LEVEL SENSOR UNIT AND FUEL PUMP (MAIN)
Connector Type	ED8FCY-RS



1	2	3	4	5
---	---	---	---	---

Terminal No.	Color of Wire	Signal Name [Specification]

1	P	-
2	W	-
3	B	-
4	R	-
5	Y	-

Connector No.	B28
Connector Name	CONDENSER
Connector Type	MD1FW-LC



1
---

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

Connector No.	B201
Connector Name	WIRE TO WIRE
Connector Type	TH8BFW-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]
1	GR	-
5	Y	-
6	G	-
7	BG	-
9	LG	-
10	R	-
30	B	-
31	L	-
32	P	-
33	SB	-
34	V	-
40	GR	-
41	LG	-
42	BG	-

43	R	-
45	G	-
46	SHIELD	-
47	G	-
48	Y	-
49	SHIELD	-
50	P	-
59	BG	-
71	R	-
72	V	-
80	V	-
81	SHIELD	-
82	Y	-
83	BR	-
84	O	-
85	SHIELD	-
86	G	-
87	R	-
88	W	-
89	B	-
90	SB	-
91	V	-
94	W	-
95	G	-
97	BR	-

Connector No.	B214
Connector Name	COCKPIT CLASSIFICATION SYSTEM CONTROL UNIT
Connector Type	TH8BFW-AH



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

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

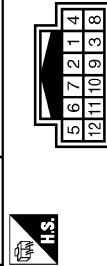
## IGNITION POWER SUPPLY

Connector No.	D1
Connector Name	WIRE TO WIRE
Connector Type	TH4QFW-CS15



51	P	-
52	V	-

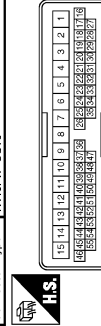
Connector No.	D3
Connector Name	DOOR MIRROR (DRIVER SIDE)
Connector Type	TH12MW-NH



13	R	-
36	W	-
37	B	-
38	V	-
39	BR	-
42	L	-
43	GR	-
44	BG	-
45	G	-
47	R	-
48	SB	-
49	W	-
50	P	-
51	V	-
52	GR	-
53	BG	-
54	G	-

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

Connector No.	D31
Connector Name	WIRE TO WIRE
Connector Type	TH4QFW-CS15



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	Y	-
3	B	-
7	LG	-
8	P	-
10	L	-
11	W	-
12	G	-

Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	B	-
3	SB	-
4	V	-
8	P	-
9	B	-
10	LG	-
12	GR	-
13	W	-
14	G	-
15	R	-
16	GR	-
17	SB	-
18	BR	-
19	BG	-
20	P	-
21	R	-
25	V	-
26	R	-
27	BR	-
28	W	-
29	Y	-
30	G	-
31	LG	-
32	GR	-
33	B	-
36	W	-
37	P	-
38	V	-
39	BR	-
42	G	-
43	GR	-
44	BR	- [With automatic drive positioner]
44	BG	- [Without automatic drive positioner]
47	L	-
48	R	-
49	SB	-
50	W	-

Connector No.	E1
Connector Name	FUSIBLE LINK HOLDER
Connector Type	L02FBR-MC



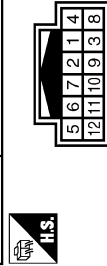
Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	W	-

Connector No.	E2
Connector Name	FUSIBLE LINK HOLDER
Connector Type	L02FGY-MC



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

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	-
8	GR	-
7	G	-
8	B	-
9	P	-
10	BR	-
11	W	-
12	V	-

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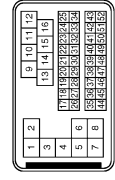
# POWER SUPPLY ROUTING CIRCUIT

< 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	



Terminal No.	43	G	
	45	BG	
	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



Terminal No.	1	W	
	2	L	

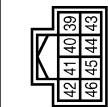
Connector No.	E5
Connector Name	IPM E/R INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	TH2DFW-CS12-M4-1V



Terminal No.	4	V	
	5	L	
	6	SB	
	7	R	
	11	BR	
	12	B/W	
	13	Y	
	16	LG	
	19	W	

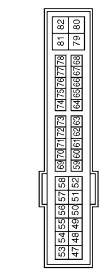
Terminal No.	25	G	
	26	R	
	27	BG	
	28	L	
	33	GR	
	32	V	
	33	G	
	38	G	

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



Terminal No.	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



Terminal No.	48	BR	
	49	BG	
	51	Y	
	53	W	

Terminal No.	54	P	
	55	SB	
	56	LG	
	57	G	
	58	GR	
	59	BR	
	70	BG	
	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	HS08FW-CS



Terminal No.	83	R	
	84	P	
	86	W	
	87	L	
	88	G	
	89	BR	
	90	LG	

JCMWN0216GB



# POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

## IGNITION POWER SUPPLY

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



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

Connector No.	E31
Connector Name	WASHER PUMP
Connector Type	E09FGY-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	MS02FB-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	-
9F	L	-
9F	R	-

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# 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	BG	-
4	G	-
5	G	-
6	BG	-
7	V	- [With daytime running light]
8	LG	- [Without daytime running light]
9	R	- [With daytime running light]
10	W	- [Without daytime running light]
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	-

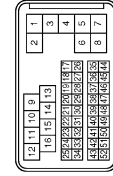
49	L	-
59	B	-
66	LG	-
67	SB	-
68	R	-
69	W	-
70	G	-
80	W	-
81	P	-
82	G	-
83	V	-
84	L	-
85	BG	-
86	LG	-
87	Y	-
88	GR	-
89	W	-
91	G	-
93	GR	-
95	Y	-
96	Y	-
97	BR	-
98	SHIELD	-
99	L	-
100	P	-

Connector No.	E118
Connector Name	WIRE TO WIRE
Connector Type	M02FW-LC



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

Connector No.	F1
Connector Name	WIRE TO WIRE
Connector Type	SAA38FB-RS8-SH2B



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	- [2WD models]
18	O	- [AWD models]
17	W	-
18	LG	-
19	P	- [2WD models]
19	SB	- [AWD models]
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	- [2WD models]
34	BR	- [AWD models]
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	RH04MDGY-BR



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

JCMWN0218GB

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## IGNITION POWER SUPPLY

Connector No.	F20
Connector Name	AIR FUEL RATIO (A/F) SENSOR 1 (BANK 2)
Connector Type	RH4MDSY-BR



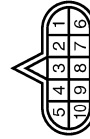
Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
2	V	-
3	W	- [2WD models]
3	SB	- [4WD models]
4	Y	- [2WD models]
4	O	- [4WD models]

Connector No.	F43
Connector Name	COMPRESSOR
Connector Type	RSDFJB



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

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.	F33
Connector Name	HEATED OXYGEN SENSOR 2 (BANK 2)
Connector Type	ATZMFB

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

Connector No.	F34
Connector Name	HEATED OXYGEN SENSOR 2 (BANK 1)
Connector Type	ATZMFB



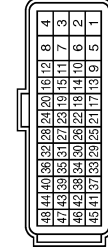
Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
2	R	-
3	P	-
4	W	-

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



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

Connector No.	F101
Connector Name	ECM
Connector Type	RH4QFB-R2B-L-LH-2



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	A/F SEN 1 HEATER (B1)
2	G	THROTTLE CONTROL MOTOR (OPEN) (B1)
3	R	THROTTLE CONTROL MOTOR POWER SUPPLY (B1)
4	RR	THROTTLE CONTROL MOTOR (CLOSE) (B1)
5	W	A/F SEN 1 HEATER (B2) [2WD MODELS]
5	SB	A/F SEN 1 HEATER (B2) [4WD MODELS]
8	B	ECM GROUND
11	GR	IGNITION SIGNAL No. 4
12	L	IGNITION SIGNAL No. 3
15	V	IGNITION SIGNAL No. 5
16	G	IGNITION SIGNAL No. 2
17	P	HEATED OXYGEN SEN 2 HEATER (B1)
18	W	IVT CONTROL SOL (B1)
18	SB	IGNITION SIGNAL No. 6
20	Y	IGNITION SIGNAL No. 1
21	GR	EVAP CANISTER PURGE VOLUME CONTROL SOL
22	R	FUEL PUMP RELAY
24	P	ECM RELAY (SELF SHUT-OFF)
25	O	THROTTLE CONTROL MOTOR RELAY [2WD MODELS]
25	BR	THROTTLE CONTROL MOTOR RELAY [4WD MODELS]

28	BR	IVT CONTROL MODULE
29	G	IVT CONTROL SOL (B2)
30	Y	TIPS 1 (B1)
31	R	TIPS 1 (B2)
33	SB	HEATED OXYGEN SEN 2 HEATER (B2)
34	B	TIPS 2 (B1)
35	W	TIPS 2 (B2)
36	O	SENSOR GROUND
37	W	POS SEN
38	O	MAP SEN
39	P	BRAKE BOOST PRESS SEN [2WD MODELS]
39	SB	BRAKE BOOST PRESS SEN [4WD MODELS]
40	R	SENSOR GROUND
43	G	SENSOR POWER SUPPLY
44	L	SENSOR POWER SUPPLY
45	LG	SENSOR POWER SUPPLY
46	R	SENSOR POWER SUPPLY
47	Y	SENSOR GROUND
48	B	SENSOR GROUND

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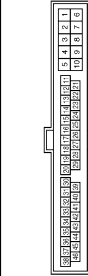
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

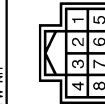
## IGNITION POWER SUPPLY

Connector No.	F103
Connector Name	WIRE TO WIRE
Connector Type	TH06FW-NS10



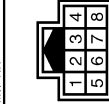
Terminal No.	Color of Wire	Signal Name [Specification]
1	G	- [AWD models]
2	W	- [AWD models]
3	R	- [AWD models]
4	B	- [AWD models]
5	Y	- [AWD models]
9	GR	- [AWD models]
10	LG	- [AWD models]
18	O	- [AWD models]
20	B	- [AWD models]
28	LG	- [AWD models]
30	R	- [AWD models]
31	R	- [AWD models]
33	B	- [AWD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

Connector No.	F104
Connector Name	WIRE TO WIRE
Connector Type	TH08FV-NH



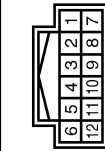
Terminal No.	Color of Wire	Signal Name [Specification]
1	P	- [AWD models]
2	Y	- [AWD models]
3	W	- [AWD models]
4	R	- [AWD models]
4	GR	- [AWD models]
6	GR	- [AWD models]
6	V	- [AWD models]
7	R	- [AWD models]
8	O	- [AWD models]
8	BR	- [AWD models]

Connector No.	F105
Connector Name	WIRE TO WIRE
Connector Type	TH06MP-NH



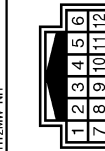
Terminal No.	Color of Wire	Signal Name [Specification]
1	P	- [AWD models]
2	Y	- [AWD models]
2	W	- [AWD models]
3	L	- [AWD models]
3	R	- [AWD models]
4	GR	- [AWD models]
6	GR	- [AWD models]
6	V	- [AWD models]
7	R	- [AWD models]
7	O	- [AWD models]
8	O	- [AWD models]
8	BR	- [AWD models]

Connector No.	F106
Connector Name	WIRE TO WIRE
Connector Type	TH12FW-NH



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

Connector No.	F107
Connector Name	WIRE TO WIRE
Connector Type	TH12MW-NH



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

1	Y	- [AWD models]
2	GR	- [AWD models]
3	L	- [AWD models]
3	R	- [AWD models]
4	W	- [AWD models]
4	P	- [AWD models]
5	Y	- [AWD models]
5	BR	- [AWD models]
6	G	- [AWD models]
7	BR	- [AWD models]
8	BR	- [AWD models]
8	R	- [AWD models]
9	O	- [AWD models]
9	GR	- [AWD models]
10	V	- [AWD models]
10	LG	- [AWD models]
11	SB	- [AWD models]
11	O	- [AWD models]
12	SB	- [AWD models]

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



Terminal No.	Color of Wire	Signal Name [Specification]
1	--	VIGN
2	--	BATT
3	--	CAN-H
4	--	R-LINE
5	--	GND
6	--	VIGN
7	--	REV LAMP RLY
8	--	CAN-L
9	--	STARTER RLY
10	--	GND

JCMWN0220GB

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## IGNITION POWER SUPPLY

Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS38FW-M2



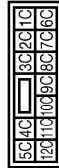
Terminal No.	Color of Wire	Signal Name [Specification]
1A	V	
2A	G	
3A	L	
4A	P	
5A	L	
6A	Y	
7A	R	
8A	L	

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



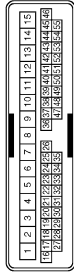
Terminal No.	Color of Wire	Signal Name [Specification]
1B	SB	
2B	P	
3B	G	
4B	P	
5B	BG	
6B	Y	
7B	P	
8B	R	
9B	SB	

Connector No.	M3
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS12FTV-CS



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

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



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

Terminal No.	Color of Wire	Signal Name [Specification]
20	P	
21	W	
22	Y	
23	G	
24	L	
25	L	
26	Y	
27	L	
28	G	
29	G	
30	SB	
31	LG	
32	W	
33	B	
34	W	
35	BR	
36	R	
37	GR	
38	Y	
39	B	
40	Y	
41	G	
42	L	
43	L	
44	GR	
45	SB	
46	P	
47	LG	
48	V	

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TH40MW-CS18-TM4



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

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

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# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

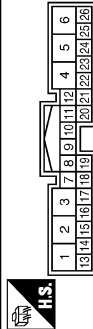
## IGNITION POWER SUPPLY

Connector No.	M109
Connector Name	BLOWER MOTOR
Connector Type	NS32FW-M2



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

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



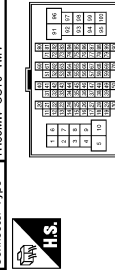
Terminal No.	Color of Wire	Signal Name [Specification]
1	P	MOTOR (RH) (RELEASE)
2	W	-B
3	L	MOTOR (RH) (FASTEN)
4	BG	MOTOR (LH) (FASTEN)
5	W	GND (ORVE)
6	Y	MOTOR (LH) (RELEASE)
7	G	INDICATOR
8	LG	BUCKLE SW RH
10	SB	BUCKLE SW LH
13	W	IGN
16	W	SENS OUTPUT 1
18	R	SENS POWER
20	G	SENS OUTPUT 2
21	B	SENS GND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

Connector No.	M116
Connector Name	WIRE TO WIRE
Connector Type	TK38MW-MS10



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	LG	-
31	W	-
33	B	-
34	B	-
35	L	-
36	P	-
37	R	-
38	SB	-
41	BG	-
42	G	-
43	P	-
44	L	-
45	Y	-
46	SB	-

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



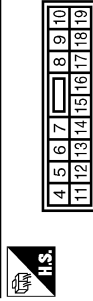
Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
5	P	-
6	G	-
7	SB	-
9	LG	-
10	L	-
30	B	-
31	SB	-
32	LG	-
33	SB	-
34	LG	-
40	Y	-
42	LG	-
43	R	-
45	G	-
46	SHIELD	-
47	P	-
48	L	-
49	SHIELD	-
50	V	-
59	R	-
71	R	-
72	L	-
80	W	-
81	SHIELD	-
82	P	-
83	L	-
84	G	-
85	SHIELD	-
86	W	-
87	B	-
88	R	-
89	G	-
90	Y	-
91	V	-
94	Y	-
95	G	-
97	R	-

Connector No.	M118
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	MS2FB-LC



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

Connector No.	M119
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	NS16FW-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	GND
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	INT ROOM LAMP CONT

JCMWN0222GB

# POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

## IGNITION POWER SUPPLY

Connector No.	M121
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FG-NH

Terminal No.	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
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Terminal No.	Color of Wire	Signal Name [Specification]
34	SB	TRUNK ROOM ANT-
35	V	TRUNK ROOM ANT+
36	B	REAR BUMPER ANT-
38	W	REAR BUMPER ANT+
43	Y	IGN RELAY (RDM E/R) CONT
50	EG	TRUNK ROOM LAMP SW
52	R	STARTER RELAY CONT
60	BR	PUSH SW
61	SB	TRUNK LID OPENER REQUEST SW
64	G	I-KEY WARN BUZZER (ENG ROOM)
67	GR	TRUNK LID OPENER SW

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

Terminal No.	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
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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	SB	IGN RELAY (F/B) CONT

83	Y	KEYLESS ENTRY RECEIVER COMM
87	Y	COMBI SW INPUT 5
88	EG	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	EG	ACC RELAY CONT
96	GR	A/T SHIFT SELECTOR POWER SUPPLY
97	L	S/L CONDITION 1
98	P	S/L CONDITION 2
99	R	SHIFT P [With A/T]
99	BR	ASGD CLUTCH SW [With M/T]
100	Y	PASSENGER DOOR REQUEST SW
101	P	DRIVER DOOR REQUEST SW
102	EG	BLOWER FAN MOTOR RELAY CONT
103	P	KEYLESS ENTRY RECEIVER POWER SUPPLY
106	SB	S/L UNIT POWER SUPPLY
107	LG	COMBI SW INPUT 1
108	R	COMBI SW INPUT 1
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	TH40FG-NH

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

134	LG	LOCK IND
137	EG	RECEIVER / SENSOR CMD
138	V	RECEIVER / SENSOR POWER SUPPLY
139	L	TIRE PRESSURE RECEIVER COMM
140	B	SHIFT IN/P
141	W	SECURITY INDICATOR LAMP
142	BR	COMBI SW OUTPUT 5
143	P	COMBI SW OUTPUT 2
144	G	COMBI SW OUTPUT 1
145	L	COMBI SW OUTPUT 3
146	SB	COMBI SW OUTPUT 4
150	GR	DRIVER DOOR SW
151	G	REAR WINDOW DEFROGGER RELAY CONT

Connector No.	M124
Connector Name	WIRE TO WIRE
Connector Type	TH40MW-CS15

Terminal No.	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
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Terminal No.	Color of Wire	Signal Name [Specification]
1	W	
2	GR	
3	B	
4	R	
5	V	
6	P	
7	V	
8	P	
10	BR	
11	R	
12	G	
13	R	
36	G	
37	R	
38	GR	
39	L	
42	EG	
43	EG	
44	W	
45	SB	
47	LG	
48	P	
49	Y	
50	BR	
51	SB	
52	L	

53	L	-
54	Y	-

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

Terminal No.	1	2	3	4
--------------	---	---	---	---

Terminal No.	Color of Wire	Signal Name [Specification]
1	R	
2	GR	
4	Y	
5	P	
6	B	

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JCMWN0223GB

# 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-EX-SC

Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	IGN
2	B	GND
3	Y	DR 1 (+)
4	Y	DR 1 (-) DR 2 (-)
5	Y	AS 1 (+)
6	Y	AS 1 (-)
7	SB	EGS (+)
8	Y	EGS (-)
9	LG	AIR BAG W/L
10	LG	GND
11	SHIELD	CUTOFF TELLTALE
12	R	CAN-H
13	L	CAN-L
14	G	SEAT BELT
15	Y	DR 2 (+)
16	P	CAN-L
17	Y	AS 2 (+)
18	Y	AS 2 (-)
19	L	ODS INPUT

JCMWN0224GB



# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

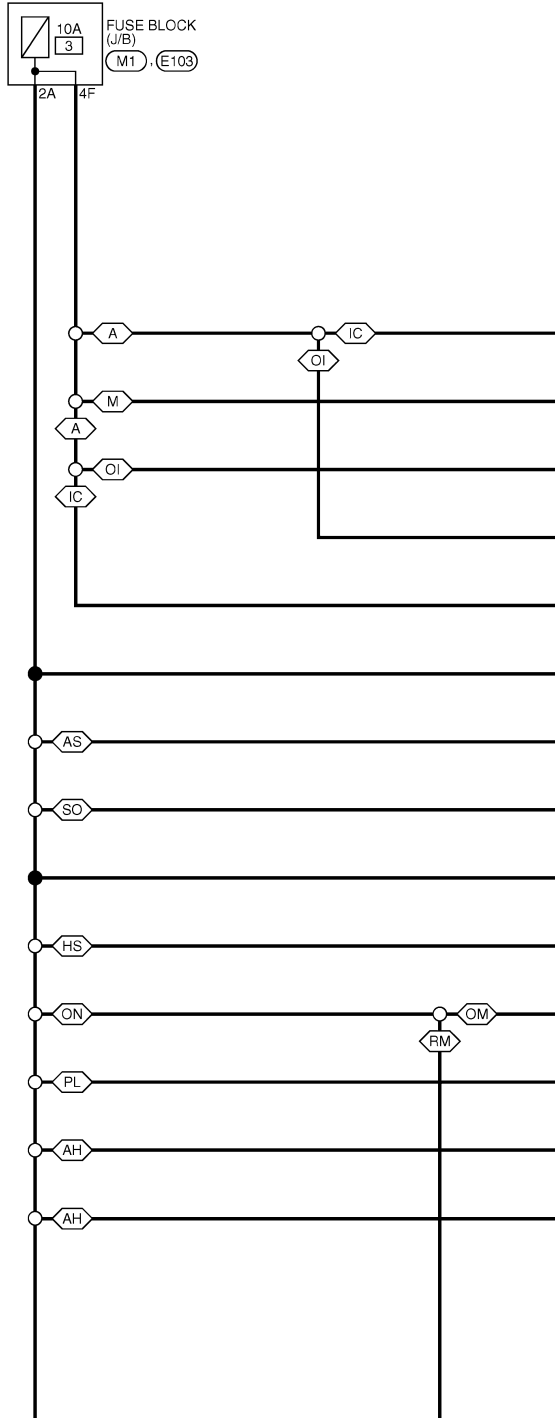
[POWER SUPPLY & GROUND CIRCUIT]

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

INFOID:000000006451801

### IGNITION POWER SUPPLY FUSE No. 3

- A : With A/T
- M : With M/T
- IC : With ICC
- OI : Without ICC
- NV : With NAVI
- ON : Without NAVI
- HS : With heated seat
- AS : With 4WAS
- AH : With A/T and heated seat
- MH : With M/T and heated seat
- PL : With plasmacluster
- RM : With rear view monitor
- OM : Without rear view monitor
- RN : With rear view monitor without NAVI
- SO : With sonar system



Connector No.	Terminal No.	Connect to
<span style="border: 1px solid black; border-radius: 50%; padding: 2px;">E52</span>	5	SHIFT LOCK RELAY
<span style="border: 1px solid black; border-radius: 50%; padding: 2px;">E108</span>	1	ASCDC CLUTCH SWITCH
<span style="border: 1px solid black; border-radius: 50%; padding: 2px;">E109</span>	1	ASCDC BRAKE SWITCH
<span style="border: 1px solid black; border-radius: 50%; padding: 2px;">E119</span>	3	STOP LAMP SWITCH
<span style="border: 1px solid black; border-radius: 50%; padding: 2px;">E114</span>	1	ICC BRAKE SWITCH
<span style="border: 1px solid black; border-radius: 50%; padding: 2px;">M24</span>	8	DATA LINK CONNECTOR
<span style="border: 1px solid black; border-radius: 50%; padding: 2px;">M42</span>	15	4WAS FRONT CONTROL UNIT
<span style="border: 1px solid black; border-radius: 50%; padding: 2px;">M44</span>	1	SONAR CONTROL UNIT
<span style="border: 1px solid black; border-radius: 50%; padding: 2px;">M67</span>	53	UNIFIED METER AND A/C AMP.
<span style="border: 1px solid black; border-radius: 50%; padding: 2px;">M70</span>	2	HEATED SEAT RELAY
<span style="border: 1px solid black; border-radius: 50%; padding: 2px;">M85</span>	104	AV CONTROL UNIT
<span style="border: 1px solid black; border-radius: 50%; padding: 2px;">M98</span>	1	IONIZER
<span style="border: 1px solid black; border-radius: 50%; padding: 2px;">M141</span>	5	HEATED SEAT SWITCH (DRIVER SIDE)
<span style="border: 1px solid black; border-radius: 50%; padding: 2px;">M142</span>	5	HEATED SEAT SWITCH (PASSENGER SIDE)

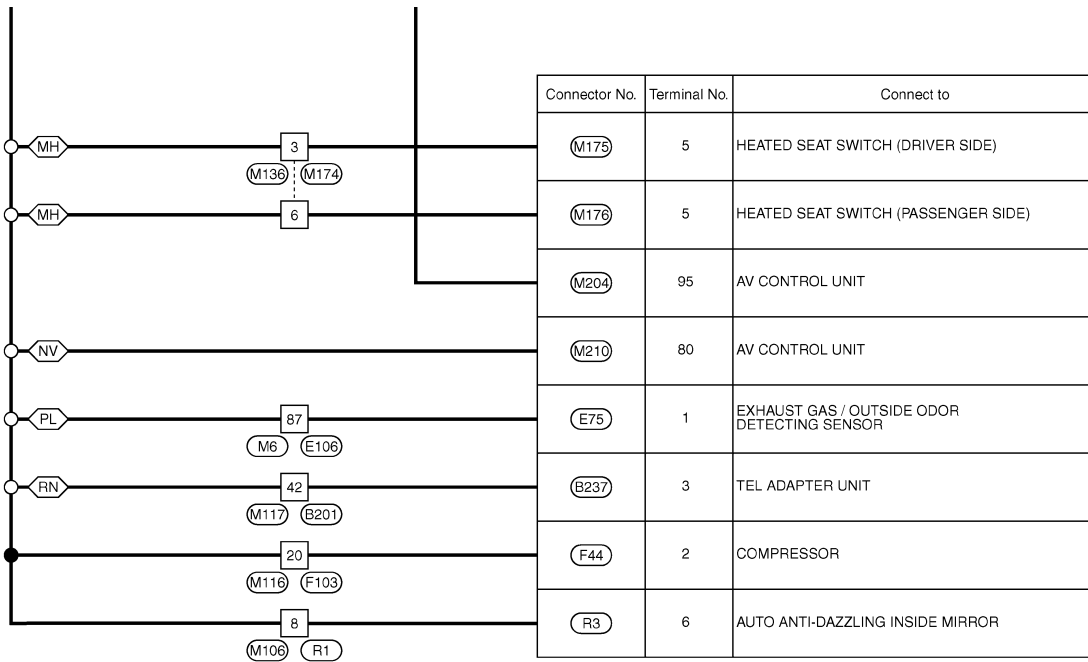
JCMWN0225GB

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# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]



2010/10/07

JCMWN0226GB

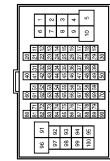
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## IGNITION POWER SUPPLY FUSE No. 3

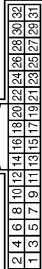
Connector No.	B201
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS1.6-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
5	Y	-
6	G	-
7	BG	-
9	LG	-
10	R	-
30	B	-
31	L	-
32	P	-
33	SB	-
34	V	-
40	GR	-
41	LG	-
42	BG	-
43	R	-
45	G	-
46	SHIELD	-
47	G	-
48	Y	-
49	SHIELD	-
50	P	-
59	BG	-
71	R	-
72	V	-
80	V	-
81	SHIELD	-
82	Y	-
83	BR	-
84	O	-
85	SHIELD	-
86	G	-
87	R	-
88	W	-
89	B	-
90	SB	-
91	V	-
94	W	-
95	G	-

97	BR	-
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Connector No.	B237
Connector Name	TEL ADAPTER UNIT
Connector Type	TH43FW-NH



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

Connector No.	E32
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	EXHAUST GAS / OUTSIDE ODOOR DETECTING SENSOR
Connector Type	RM03FB



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

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	-
6F	BG	-
8F	L	-
9F	R	-

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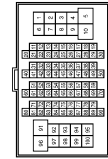
# POWER SUPPLY ROUTING CIRCUIT

< 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	BG	-
5	G	-
6	BG	-
7	V	- [With daytime running light]
7	LG	- [Without daytime running light]
8	L	- [With daytime running light]
9	R	- [Without daytime running light]
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.	E108
Connector Name	ASCD CLUTCH SWITCH
Connector Type	S02FL



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

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



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	- [With A/T]
1	R	- [With M/T]
2	V	-

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



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

Connector No.	E119
Connector Name	STOP LAMP SWITCH
Connector Type	M04FV-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	RK02FGY



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

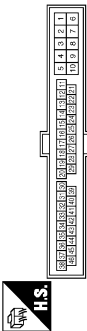
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

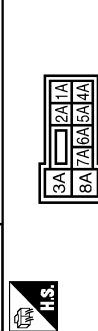
## IGNITION POWER SUPPLY FUSE No. 3

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



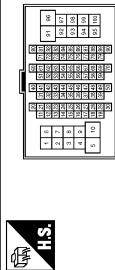
Terminal No.	Color of Wire	Signal Name [Specification]
2	G	
3	W	
4	R	
5	B	
9	Y	
10	GR	
19	O	
20	Y	
28	B	
29	LG	
30	R	
31	R	
33	B	
34	B	
35	L	
36	P	
37	Y	
38	G	
41	O	
42	BR	
43	P	
44	L	
45	G	
46	V	

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



Terminal No.	Color of Wire	Signal Name [Specification]
1A	V	
2A	G	
3A	L	
4A	P	
5A	L	
6A	Y	
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	LG	
7	W	
9	G	
10	W	
11	V	
12	R	
13	L	
14	GR	
15	P	
16	W	
17	BR	
18	P	
19	L	
20	L	
30	BR	
31	L	
32	Y	
33	BG	
34	W	
35	BR	
36	R	
37	Y	
38	R	

3	LG	
4	B	
5	B	
6	L	
7	V	
8	G	
11	SB	
14	P	
16	R	

Connector No.	M42
Connector Name	4WAS FRONT CONTROL UNIT
Connector Type	TK22FEW



23	22	21	20	19	18	17	16	15	14	13
34	33	32	31	30	29	28	27	26	25	24

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

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

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



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

Terminal No.	Color of Wire	Signal Name [Specification]
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K  
L  
PG  
N  
O  
P

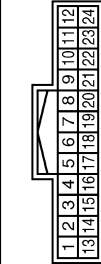
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

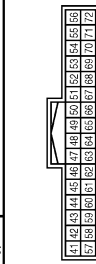
## IGNITION POWER SUPPLY FUSE No. 3

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



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

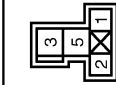
Connector No.	M67
Connector Name	UNIFIED METER AND A/C AMP.
Connector Type	TH42FW-NH



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

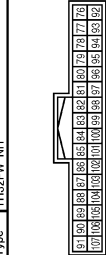
Terminal No.	Color of Wire	Signal Name [Specification]
54	SB	BATTERY POWER SUPPLY
55	B	GROUND
56	L	CAN-H
57	LC	BRAKE FLUID LEVEL SWITCH
58	GR	FUEL LEVEL SENSOR GROUND
59	GR	INITAKE SENSOR GROUND
60	W	IN-VEHICLE SENSOR GROUND
61	B	AMBIENT SENSOR GROUND
62	SB	SUNLOAD SENSOR GROUND
63	L	ION CONTROL MODE 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	G	-
2	P	-
3	G	-
5	LG	-

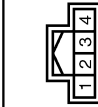
Connector No.	M85
Connector Name	AV CONTROL UNIT
Connector Type	TH42FW-NH



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

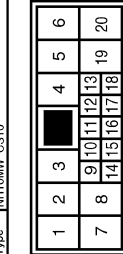
Terminal No.	Color of Wire	Signal Name [Specification]
86	L	CAN-H
87	P	CAN-L
88	SB	AV COMM (H)
89	LG	AV COMM (L)
90	SB	AV COMM (H)
91	LG	AV COMM (L)
95	R	AUX SOUND SIGNAL RH (+)
96	W	AUX SOUND SIGNAL LH (+)
97	B	AUX SOUND SIGNAL GND
101	BR	SW GND
103	V	EJECT SIGNAL
104	G	IGNITION
105	BG	REVERSE
106	SB	PARKING BRAKE
107	R	VEHICLE SPEED (8-PULSE)

Connector No.	M88
Connector Name	IONIZER
Connector Type	TH42FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	IGN
2	L	ION MODE
3	B	GND
4	BR	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	-

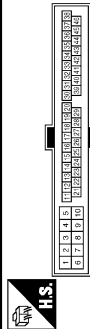
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

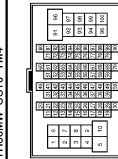
## IGNITION POWER SUPPLY FUSE No. 3

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



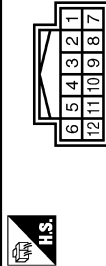
Terminal No.	Color of Wire	Signal Name [Specification]
1	W	
2	EG	
3	P	
4	B	
5	R	
6	R	
7	R	
8	R	
9	R	
10	R	
11	EG	
12	EG	
13	Y	
14	B	
15	B	
16	B	
17	B	
18	B	
19	B	
20	Y	
21	B	
22	B	
23	B	
24	B	
25	B	
26	B	
27	B	
28	B	
29	B	
30	B	
31	B	
32	B	
33	B	
34	B	
35	B	
36	B	
37	B	
38	B	
39	B	
40	B	
41	B	
42	B	
43	B	
44	B	
45	B	
46	B	

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



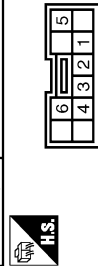
Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	
2	P	
3	G	
4	SB	
5	LG	
6	L	
7	B	
8	B	
9	B	
10	B	
11	SB	
12	LG	
13	SB	
14	SB	
15	Y	
16	G	
17	LG	
18	G	
19	R	
20	R	
21	R	
22	R	
23	R	
24	R	
25	R	
26	R	
27	R	
28	R	
29	R	
30	R	
31	R	
32	R	
33	R	
34	R	
35	R	
36	R	
37	R	
38	R	
39	R	
40	R	
41	R	
42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

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



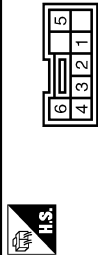
Terminal No.	Color of Wire	Signal Name [Specification]
1	L	
2	GR	
3	G	
4	V	
5	B	
6	B	
7	B	
8	EG	
9	B	
10	B	
11	B	
12	B	

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



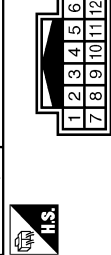
Terminal No.	Color of Wire	Signal Name [Specification]
1	L	
2	GR	
3	R	
4	B	
5	G	
6	B	

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



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	
2	SB	
3	V	
4	B	
5	EG	
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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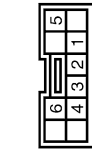
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

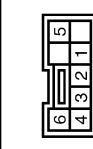
## IGNITION POWER SUPPLY FUSE No. 3

Connector No.	M175
Connector Name	HEATED SEAT SWITCH (DRIVER SIDE)
Connector Type	TK0FW



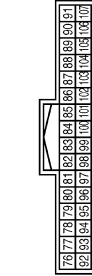
Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	GR	-
3	R	-
4	LG	-
5	W	-
6	B	-

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



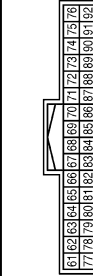
Terminal No.	Color of Wire	Signal Name [Specification]
1	V	-
2	SB	-
3	G	-
4	O	-
5	P	-
6	V	-

Connector No.	M204
Connector Name	AV CONTROL UNIT
Connector Type	TH32FW-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	R	VEHICLE SPEED (8-PULSE)
93	SB	PARKING BRAKE
94	BG	REVERSE
95	G	IGNITION
96	V	DISK EJECT SIGNAL

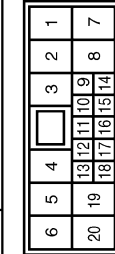
Connector No.	M210
Connector Name	AV CONTROL UNIT
Connector Type	TH32FW-NH



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

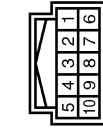
Terminal No.	Color of Wire	Signal Name [Specification]
75	LG	AV COMM (L)
76	LG	AV COMM (L)
78	L	ILLUMINATION
80	G	IGNITION
81	BG	REVERSE
82	R	VEHICLE SPEED (8-PULSE)
83	SHIELD	SHIELD
87	R	MICROPHONE SIGNAL
88	SHIELD	SHIELD
89	L	COMM (DISP->CONT)
90	L	CAN-H
91	SB	AV COMM (H)
92	SB	AV COMM (H)

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



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





# POWER SUPPLY ROUTING CIRCUIT

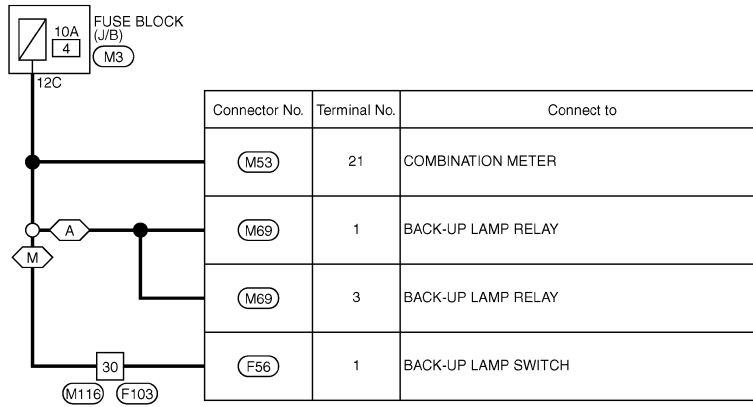
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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

INFOID:000000006451802

 : With A/T  
 : With M/T



A  
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# POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

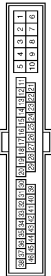
## IGNITION POWER SUPPLY FUSE No. 4

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



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

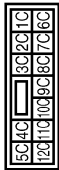
Connector No.	F103
Connector Name	WIRE TO WIRE
Connector Type	TK38FW-NS10



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	-

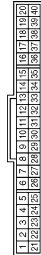
43	P	-
44	L	-
45	G	-
46	V	-

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



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

Connector No.	M53
Connector Name	COMBINATION METER
Connector Type	SAB40FW



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

18	GR	ILL GND
19	B	ILL GND
20	R	ILL
21	G	IGNITION SIGNAL
22	B	GROUND
24	BR	COMMUNICATION SIGNAL (LCD->AMP.)
25	Y	COMMUNICATION SIGNAL (AMP->LCD)
26	R	VEHICLE SPEED SIGNAL (8-PULSE)
27	P	PARKING BRAKE SWITCH SIGNAL
28	SB	BRAKE FLUID LEVEL SWITCH
29	P	SEAT BELT BUCKLE SW SIGNAL (DRIVER SIDE)
30	G	SEAT BELT BUCKLE SWITCH SIGNAL (PASSENGER SIDE)
31	L	WASHER LEVEL SWITCH SIGNAL
33	R	ILLUMINATION CONTROL SIGNAL
36	LG	SELECT SWITCH SIGNAL
37	Y	ENTER SWITCH SIGNAL
38	G	TRIP A/B RESET SWITCH SIGNAL
39	P	ILLUMINATION CONTROL SWITCH SIGNAL (-)
40	BG	ILLUMINATION CONTROL SWITCH SIGNAL (+)



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	LG	-
31	W	-
33	B	-
34	B	-
35	L	-
36	P	-
37	R	-
38	SB	-
41	BG	-
42	G	-
43	P	-
44	L	-
45	Y	-
46	SB	-

Connector No.	M59
Connector Name	BACK-UP LAMP RELAY
Connector Type	MS02FL-M2-LC



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

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# POWER SUPPLY ROUTING CIRCUIT

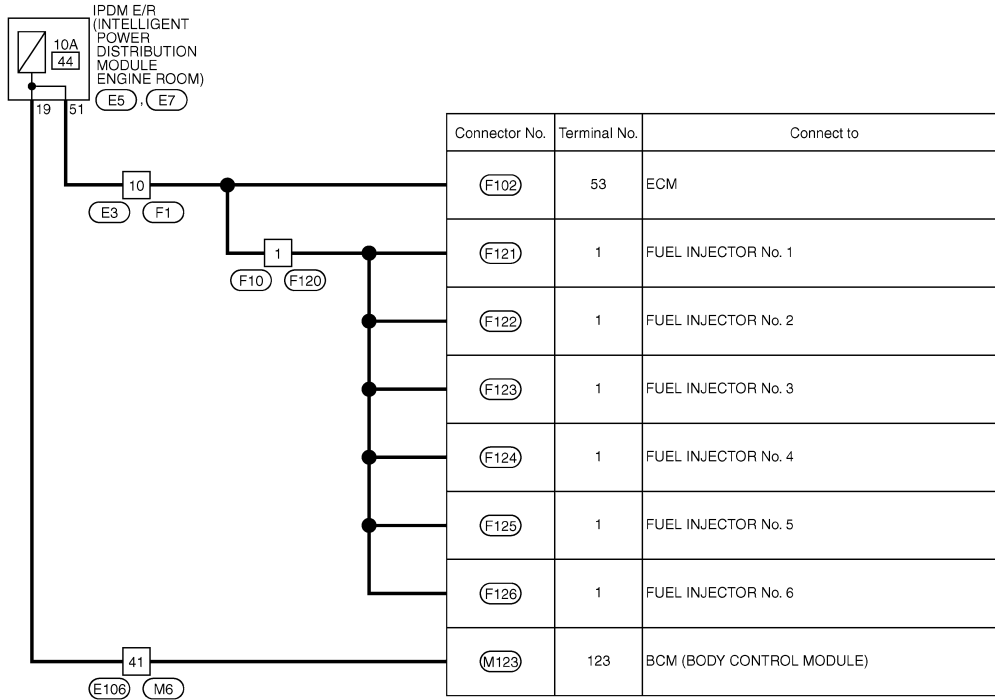
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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

INFOID:000000006451803

### IGNITION POWER SUPPLY FUSE No. 44



A  
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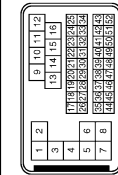
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## IGNITION POWER SUPPLY FUSE No. 44

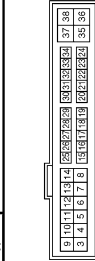
Connector No.	E3
Connector Name	WIRE TO WIRE
Connector Type	SA33MB-FSS-SH28



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	TH2DFW-CS12-M4-1V



Terminal No.	Color of Wire	Signal Name [Specification]
4	V	-
5	L	-
6	SB	-
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	TH2DFW-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	-

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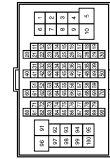
# POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

## IGNITION POWER SUPPLY FUSE No. 44

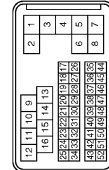
Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
3	EG	-
5	G	-
6	EG	-
7	V	- [With daytime running light]
7	LG	- [Without daytime running light]
9	L	- [With daytime running light]
9	R	- [Without daytime running light]
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	P	-
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	SAA39FB-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	-

Connector No.	F10
Connector Name	WIRE TO WIRE
Connector Type	FR08FB



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

13	L	-
14	LG	-
15	R	-
16	Y	- [AWD models]
16	O	- [AWD models]
17	W	-
18	LG	-
19	P	- [AWD models]
19	SB	- [AWD models]
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	-
34	BR	- [AWD models]
37	SHIELD	-
38	W	-
39	Y	-
40	G	-
41	B	-
42	GR	-
43	R	-
45	O	-
46	SHIELD	-
47	W/L	-
48	LG	-
48	O/L	-
50	L/Y	-
51	W	-
52	L/G	-

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JCMWN0235GB

# POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

## IGNITION POWER SUPPLY FUSE No. 44

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

96	92	88	84	80	76	72	68	64	60	56	52
95	91	87	83	79	75	71	67	63	59	55	51
94	90	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	THROTTLE CONTROL MOTOR (CLOSE) (B2)
50	V	THROTTLE CONTROL MOTOR (OPEN) (B2)
52	R	THROTTLE CONTROL MOTOR POWER SUPPLY (B2)
53	W	IGNITION SW
54	Y	CAN COMMUNICATION LINE (LEVEL CONTROL MODULE)
55	LG	CAN COMMUNICATION LINE (LEVEL CONTROL MODULE)
57	L	A/F SEN 1 (B1)
58	O	PHASE SEN (B1) [2ND MODELS]
59	L	PHASE SEN (B1) [LAND MODELS]
60	G	SENSOR POWER SUPPLY
61	R	A/F SEN 1 (B1)
63	L	PHASE SEN (B2)
64	SB	SENSOR POWER SUPPLY
65	LG	A/F SEN 1 (B2)
66	V	A/F SEN 1 (B2)
67	P	LAT SEN
68	LG	SENSOR GROUND
69	W	KNOCK SEN (B2)
71	Y	ECT SEN
72	SHIELD	SENSOR GROUND
73	W	KNOCK SEN (B1)
76	W	HEATED OXYGEN SEN 2 (B1)
77	SB	MAF SEN (B1)
78	G	ECT SEN
79	BR	MAF SEN (B2)
80	O	HEATED OXYGEN SEN 2 (B2)
81	R	FUEL INJECTOR No. 3
82	V	FUEL INJECTOR No. 6
84	B	SENSOR GROUND
85	BR	FUEL INJECTOR No. 2
86	W	FUEL INJECTOR No. 5
87	Y	PSP SEN
89	GR	FUEL INJECTOR No. 1
90	O	FUEL INJECTOR No. 4
91	SB	BATTERY CURRENT SEN
92	G	SENSOR GROUND
93	P	POWER SUPPLY FOR ECM
94	Y	SENSOR GROUND

95	G	SENSOR GROUND
96	P	SENSOR GROUND [2ND MODELS]
96	BR	SENSOR GROUND [LAND MODELS]

Connector No.	F120
Connector Name	WIRE TO WIRE
Connector Type	RH08MB



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

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



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

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



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

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



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

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



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

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



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

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



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

JCMWN0236GB

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## IGNITION POWER SUPPLY FUSE No. 44

Connector No.	M16
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS (F-TM4)



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

59	B	-	-
66	Y	-	-
67	G	-	-
68	R	-	-
69	W	-	-
70	G	-	-
80	SB	-	-
81	B	-	-
82	V	-	-
83	W	-	-
84	L	-	-
85	GR	-	-
86	G	-	-
87	R	-	-
88	B	-	-
89	LG	-	-
91	W	-	-
93	Y	-	-
95	Y	-	-
96	R	-	-
97	GR	-	-
98	SHIELD	-	-
99	V	-	-
100	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	EG	OPTICAL SENSOR
114	R	CLUTCH INTERLOCK SW
116	SB	STOP LAMP SW 1
118	BR	STOP LAMP SW 2
119	SB	DR DOOR UNLOCK SENSOR
121	SB	KEY SWITCH
123	V	IGN F/B
124	R	PASSENGER DOOR SW
129	EG	TRUNK CANCEL SW
132	V	POWER WINDOW SW COMM
133	L	PUSH-BUTTON IGNITION SW/ILL POWER

134	LG	LOCK IND
137	EG	RECEIVER / SENSOR CMD
138	V	RECEIVER / SENSOR POWER SUPPLY
139	L	TIRE PRESSURE RECEIVER COMM
140	B	SHIFT IN/P
141	W	SECURITY INDICATOR LAMP
142	BR	COMBI SW OUTPUT 5
143	P	COMBI SW OUTPUT 1
144	G	COMBI SW OUTPUT 2
145	L	COMBI SW OUTPUT 3
146	SB	COMBI SW OUTPUT 4
150	GR	DRIVER DOOR SW
151	G	REAR WINDOW DEFOGGER RELAY CONT

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# POWER SUPPLY ROUTING CIRCUIT




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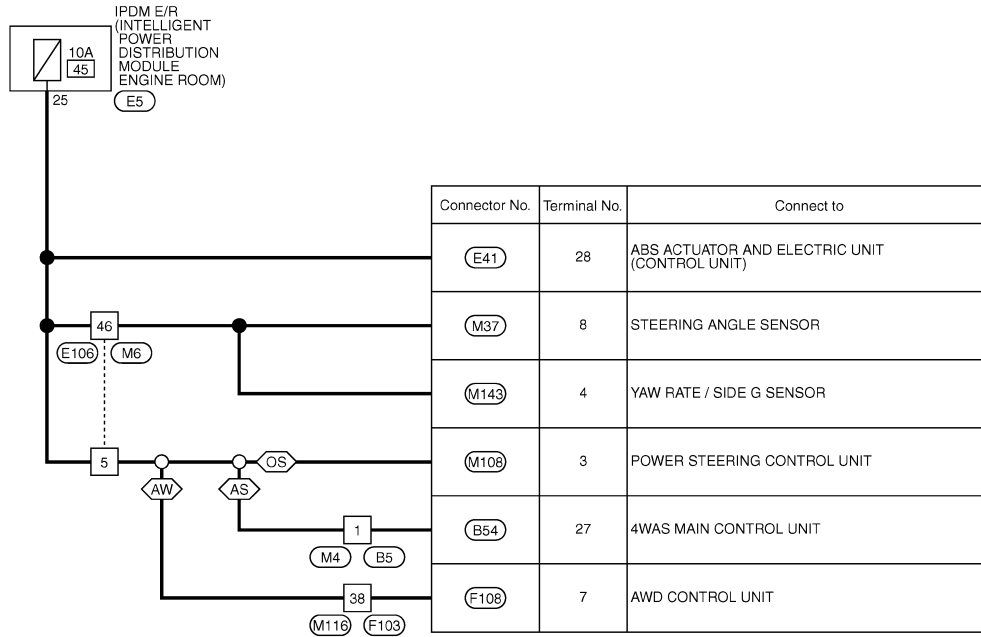
[POWER SUPPLY & GROUND CIRCUIT]

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

INFOID:000000006451804

### IGNITION POWER SUPPLY FUSE No. 45

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



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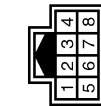
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

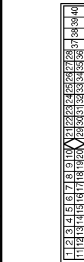
## IGNITION POWER SUPPLY FUSE No. 45

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



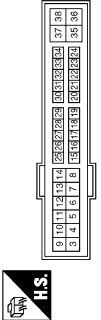
Terminal No.	Color of Wire	Signal Name [Specification]
1	V	-
2	LG	-
3	Y	-
5	GR	-
6	BR	-

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



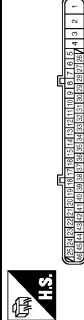
Terminal No.	Color of Wire	Signal Name [Specification]
1	L	CAN-H
4	BR	R-ANG GND
5	W	R-ANG VCC
7	R	R-ANG SUB SIG
8	P	CAN-L
15	G	R-ANG MAIN SIG
22	GR	STOP LAMP
25	SB	R-MTR RLY
27	V	IGN
31	BR	CAN-H
32	Y	CAN-L
34	B	GND
36	LG	P/S SOL
37	P	R-MTR PWR SUPPLY
38	Y	R-MTR (RH)
38	G	R-MTR (LH)
40	B	R-MTR GND

Connector No.	E15
Connector Name	ENGINE IN INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE INCOM)
Connector Type	TH20PW-CS12-M4-1V



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

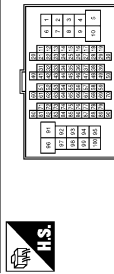
Connector No.	E11
Connector Name	ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT)
Connector Type	BAA42FB-AH24-LH



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 BR
8	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	VDC OFF SW
35	L	CAN-H
45	B	BUS-H

Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	TH60PW-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
3	BG	-
5	G	-
6	BG	-
7	V	- [With daytime running light]
7	LG	- [Without daytime running light]
9	R	- [With daytime running light]
9	L	- [Without daytime running light]
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	-
50	B	-
68	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	-

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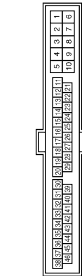
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

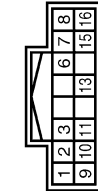
## IGNITION POWER SUPPLY FUSE No. 45

Connector No.	F103
Connector Name	WIRE TO WIRE
Connector Type	TK26FW-NS10



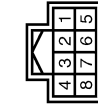
Terminal No.	Color of Wire	Signal Name [Specification]
2	G	-
3	W	-
4	R	-
5	B	-
9	Y	-
10	GR	-
18	O	-
20	Y	-
28	B	-
29	LG	-
30	R	-
31	R	-
33	B	-
34	B	-
35	L	-
36	P	-
37	Y	-
38	G	-
41	O	-
42	BR	-
43	P	-
44	L	-
45	G	-
46	V	-

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	AMD SOL (-)
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	TH40FW-NH



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

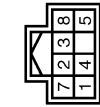
Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CST6-TM4



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

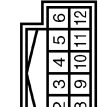
91	W	-
93	Y	-
95	Y	-
96	R	-
97	GR	-
98	SHIELD	-
99	V	-
100	SB	-

Connector No.	M37
Connector Name	STEERING ANGLE SENSOR
Connector Type	TH40FW-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	SB	VSP
10	R	TACHO

Terminal No.	Color of Wire	Signal Name [Specification]
5	G	-
6	LG	-
7	W	-
9	-	-
10	W	-
11	R	-
12	R	-
13	L	-
14	GR	-
15	P	-
16	W	-
17	BR	-
18	P	-
19	L	-
20	L	-
30	BR	-
31	L	-
32	Y	-
33	BG	-
34	W	-
35	BR	-
36	R	-
37	Y	-
38	R	-
39	SB	-
40	G	-
41	V	-
42	LG	-
43	P	-
44	B	-
44	R	- [With A/T]
45	BG	-
46	G	-
47	L	-
48	P	-
49	L	-
50	B	-
60	Y	-
61	G	-
68	R	-
69	W	-
70	G	-
80	SB	-
81	B	-
82	V	-
83	W	-
84	L	-
85	GR	-
86	G	-
87	R	-
88	B	-
88	B	-
88	LG	-

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

A  
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P

## IGNITION POWER SUPPLY FUSE No. 45

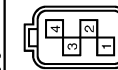
Connector No.	M116
Connector Name	WIRE TO WIRE
Connector Type	TK38MW-NS.0



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	LG	-
31	W	-
33	B	-
34	B	-
35	L	-
36	P	-
37	R	-
38	SB	-
41	EG	-
42	G	-
43	P	-
44	L	-
45	Y	-
46	SB	-

Connector No.	M143
Connector Name	YAW RATE / SIDE G SENSOR
Connector Type	AAZ04FE-S



JCMWN0240GB

# POWER SUPPLY ROUTING CIRCUIT

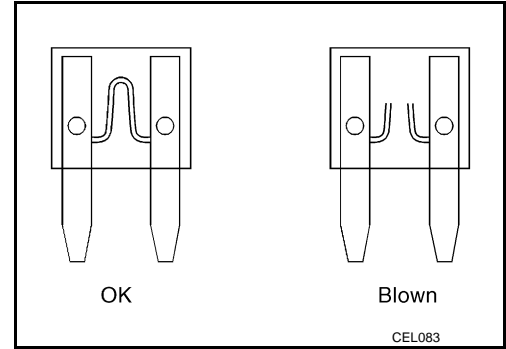
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Fuse

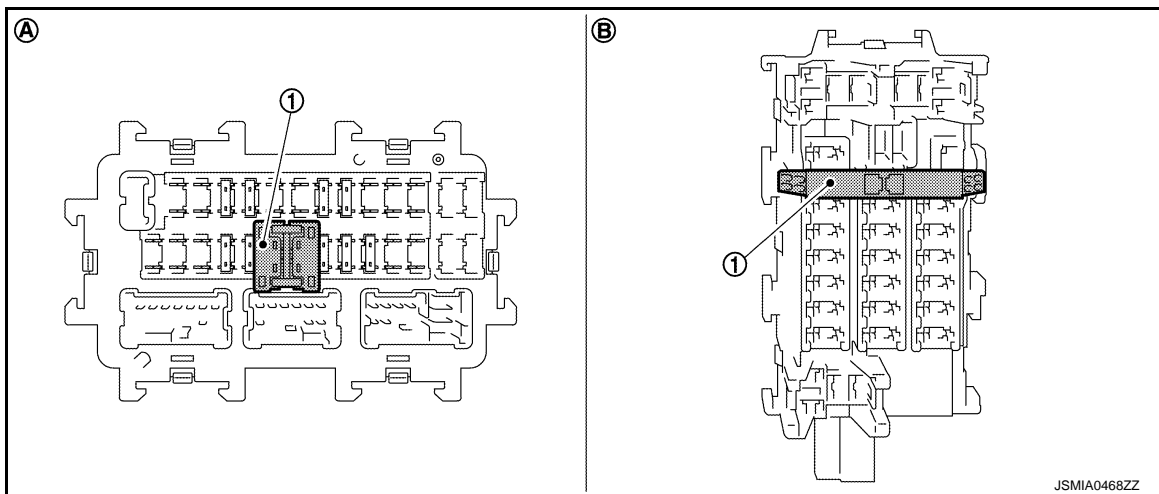
INFOID:000000006934360

- 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.



## EXTENDED STORAGE SWITCH (IF EQUIPPED)

The following switch may be mounted on the fuse block (Junction Box) for transportation and storage.



1. Extended storage switch

A. Type A

B. Type B

- Remove the extended storage switch when replacing the fuse of extended storage switch.
- Remove the extended storage switch if it causes the interference when the fuse or the other fuses is checked.

How To Extended Storage Switch ON/OFF

### CAUTION:

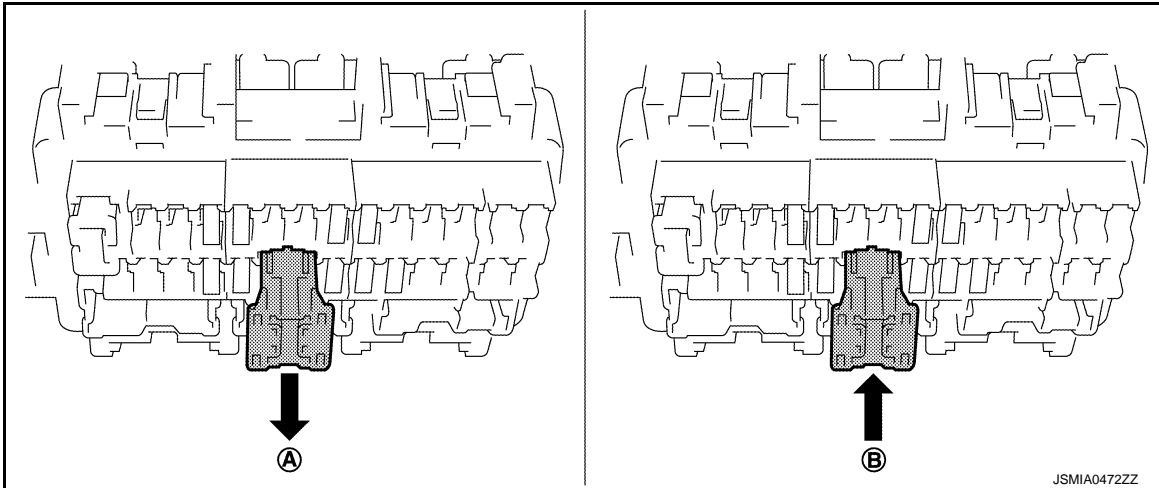
- Turn the ignition switch OFF when operating the extended storage switch.
- Under normal conditions, keep the extended storage switch in ON state. Never operate the extended storage switch except when necessary.

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

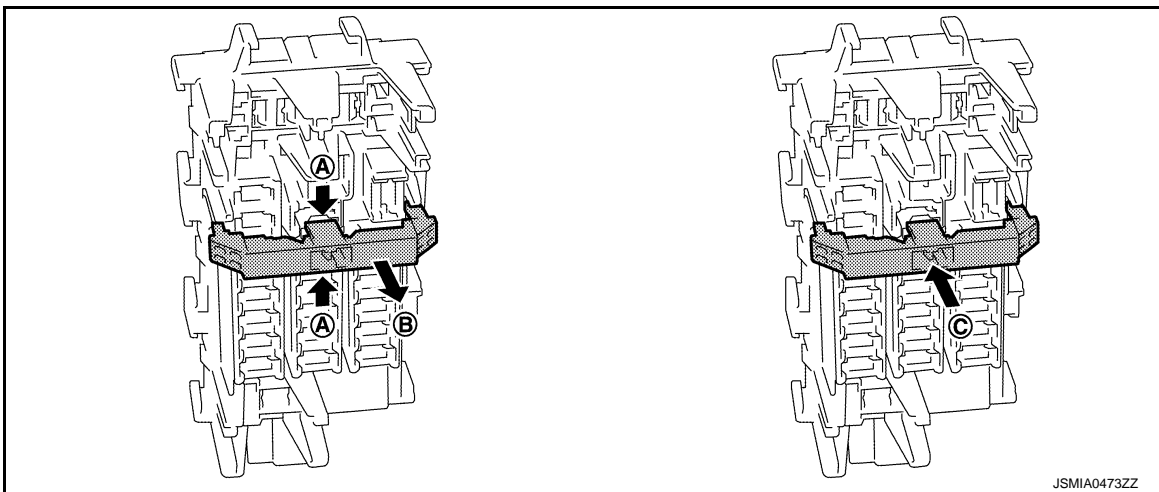
[POWER SUPPLY & GROUND CIRCUIT]

- Type A



- To turn the extended storage switch OFF, pull it up in (A) direction as shown in the figure.
- To turn the extended storage switch ON, press it in (B) direction as shown in the figure.

- Type B

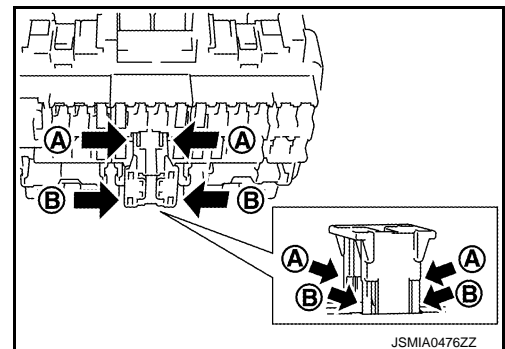


- To turn the extended storage switch OFF, hold (A) of the switch and pull up in (B) direction as shown in the figure.
- To turn the extended storage switch ON, press it in (C) direction as shown in the figure.

## How To Remove Extended Storage Switch

Type A

1. Turn the ignition switch OFF.
2. Turn the extended storage switch OFF.
3. Press pawl (A) and tilt to disengage the extended storage switch. Press pawl (B) and tilt to remove the extended storage switch.



### NOTE:

- Extended storage switch and fuse are removed together. Remove fuse from extended storage switch, if necessary.

A  
B  
C  
D  
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F  
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L  
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O  
P

PG

# POWER SUPPLY ROUTING CIRCUIT

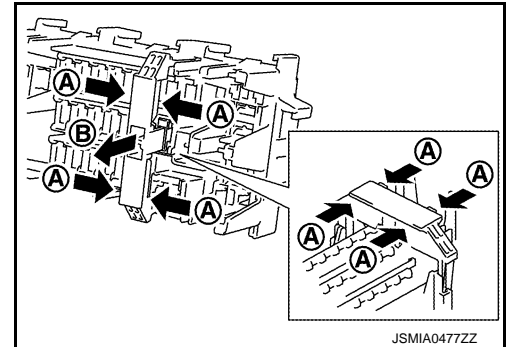
## [POWER SUPPLY & GROUND CIRCUIT]

### < DTC/CIRCUIT DIAGNOSIS >

- Extended storage switch is for transportation and storage. Reinstallation is not required after the removal.

Type B

1. Turn the ignition switch OFF.
2. Turn the extended storage switch OFF.
3. Hold (A) and pull up the extended storage switch hard in (B) direction.



### NOTE:

- Extended storage switch and fuse may be removed together. Remove fuse from extended storage switch, if necessary.
- Extended storage switch is for transportation and storage. Reinstallation is not required after the removal.

## Fusible Link

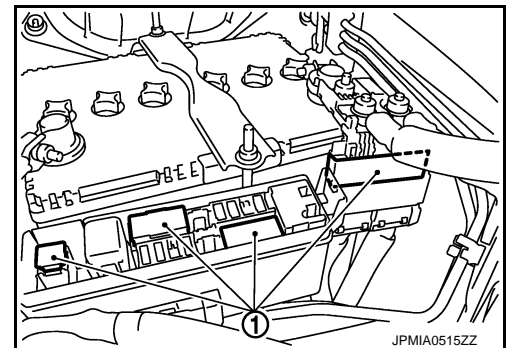
INFOID:000000006451806

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:

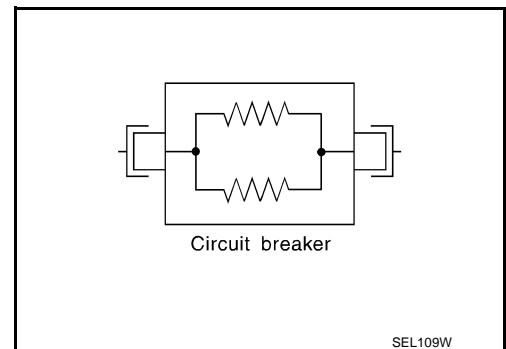
- If fusible link should melt, it is possible that critical circuit (power supply or large current carrying circuit) is shorted. In such a case, carefully check and eliminate cause of malfunction.
- Never wrap outside of fusible link with vinyl tape. Important: Never let fusible link touch any other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



## Circuit Breaker

INFOID:000000006451807

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 >

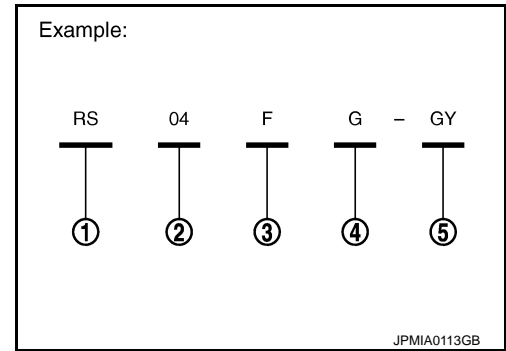
[POWER SUPPLY & GROUND CIRCUIT]

## HARNESS LAYOUT

### How To Read Harness Layout

INFOID:000000006451808

- 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  
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J  
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L  
PG  
N  
O  
P

PG

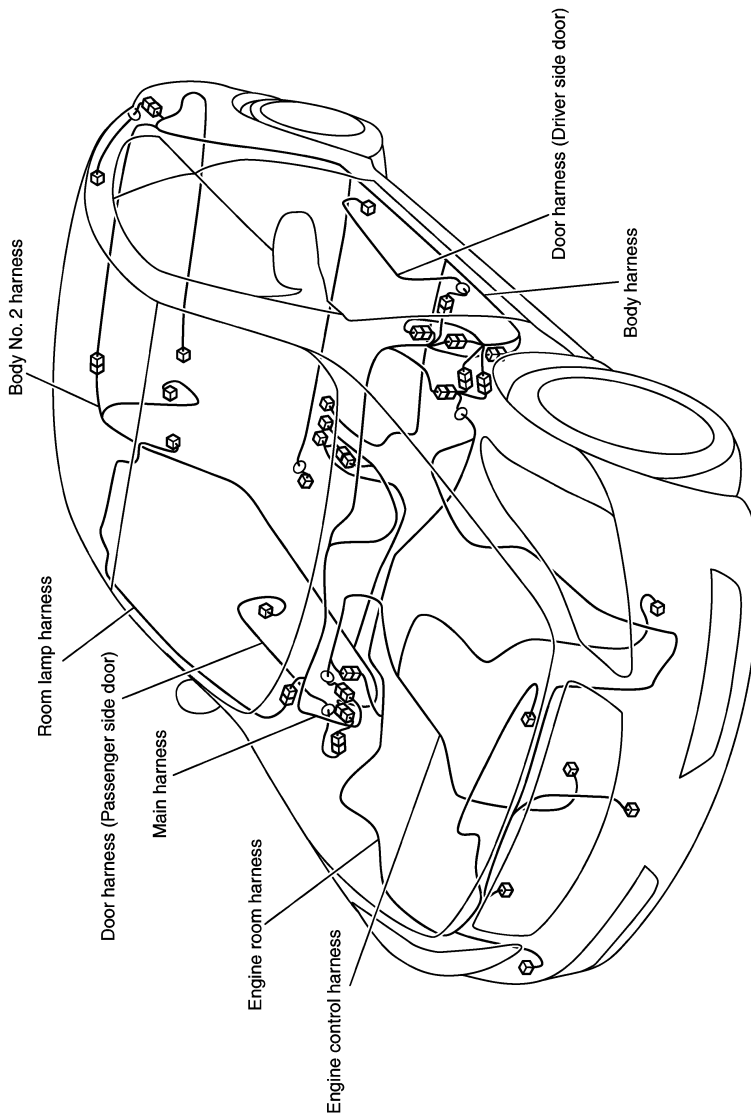
# HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Outline

INFOID:000000006451809



OUTLINE

2008/08/22

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# HARNES LAYOUT

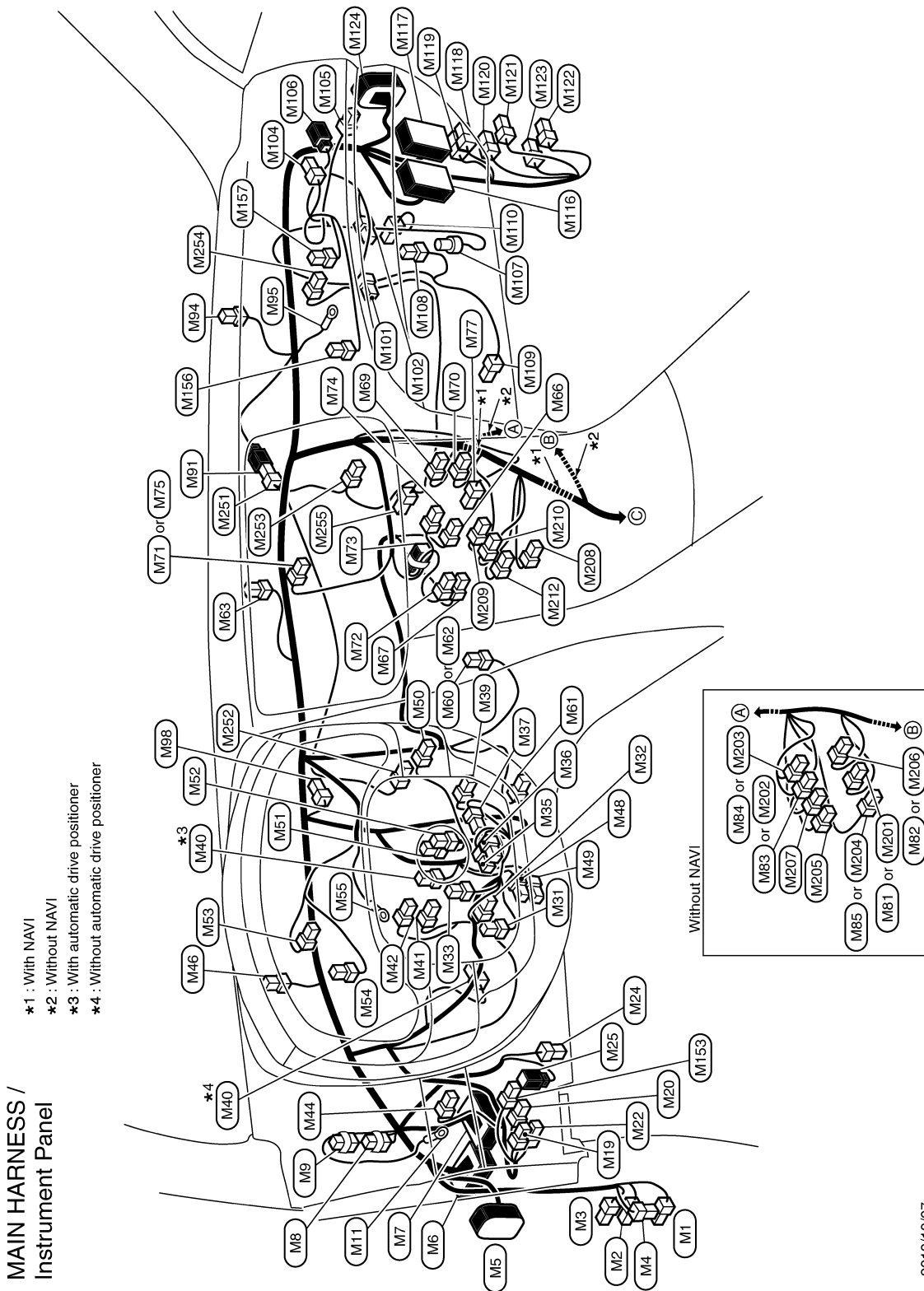
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Main Harness

INFOID:000000006451810

### INSTRUMENT PANEL



2010/10/07

JCMIM1711GB

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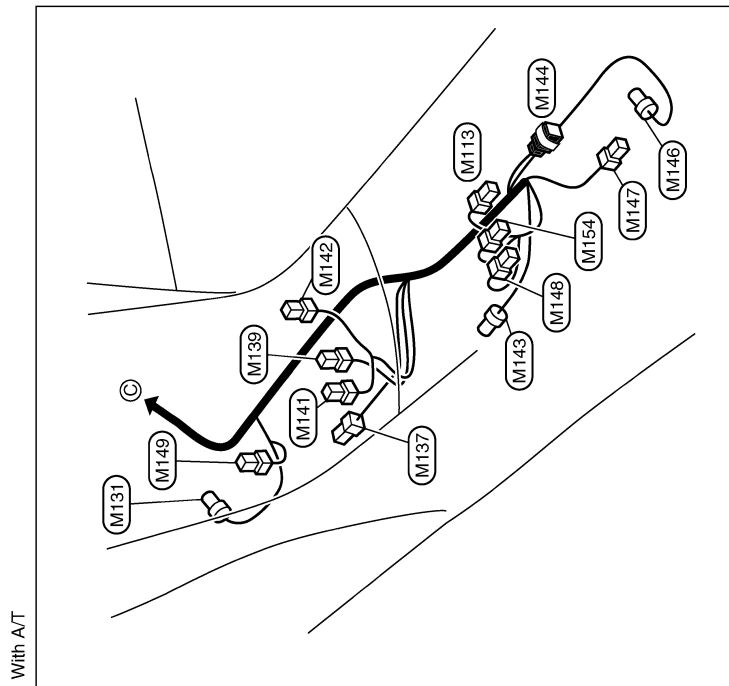
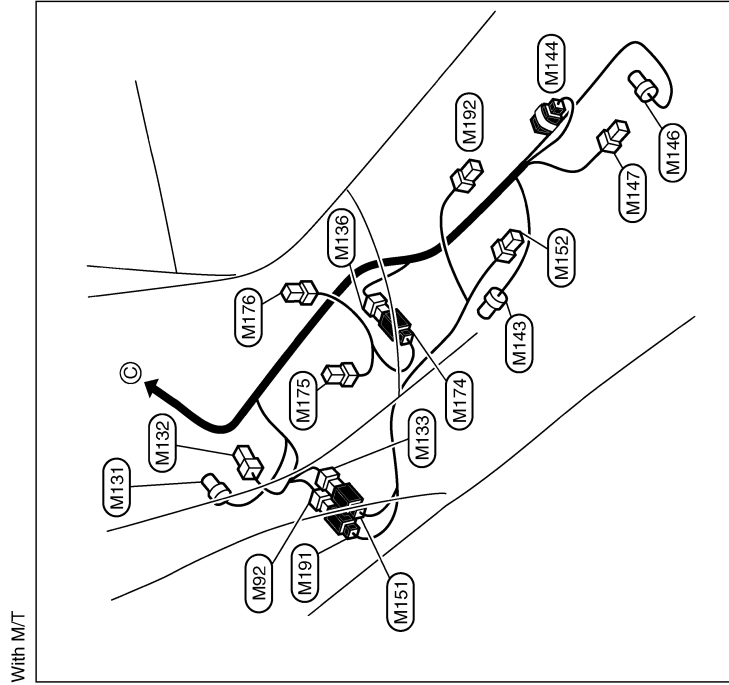
PG

# HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## FLOOR CONSOLE



Floor Console

2010/10/07

JCMIM1712GB

# HARNES LAYOUT

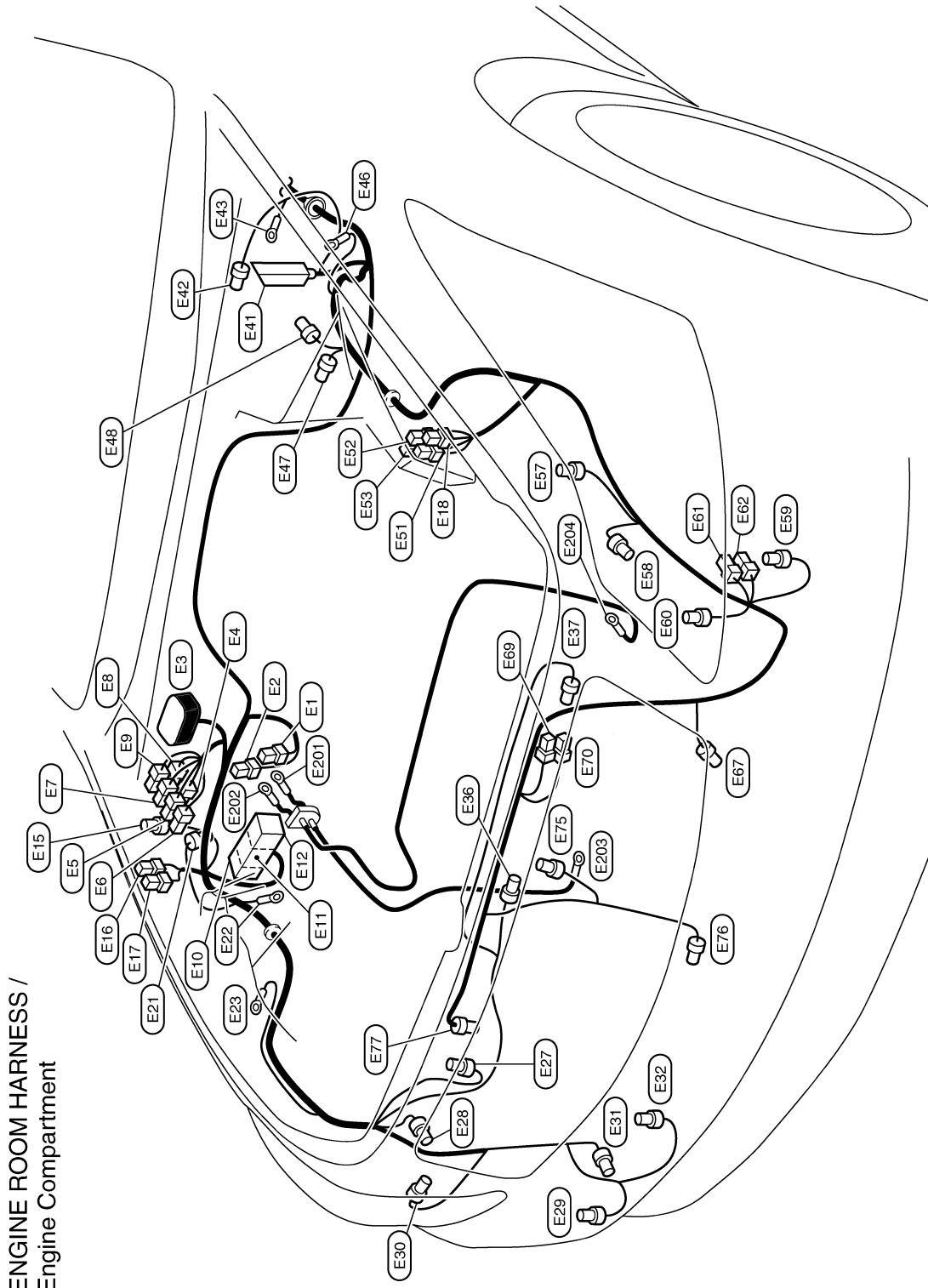
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Engine Room Harness

INFOID:000000006451811

### ENGINE COMPARTMENT



ENGINE ROOM HARNESS /  
Engine Compartment

A  
B  
C  
D  
E  
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K  
L  
PG  
N  
O  
P

2010/10/07

JCMIM1713GB

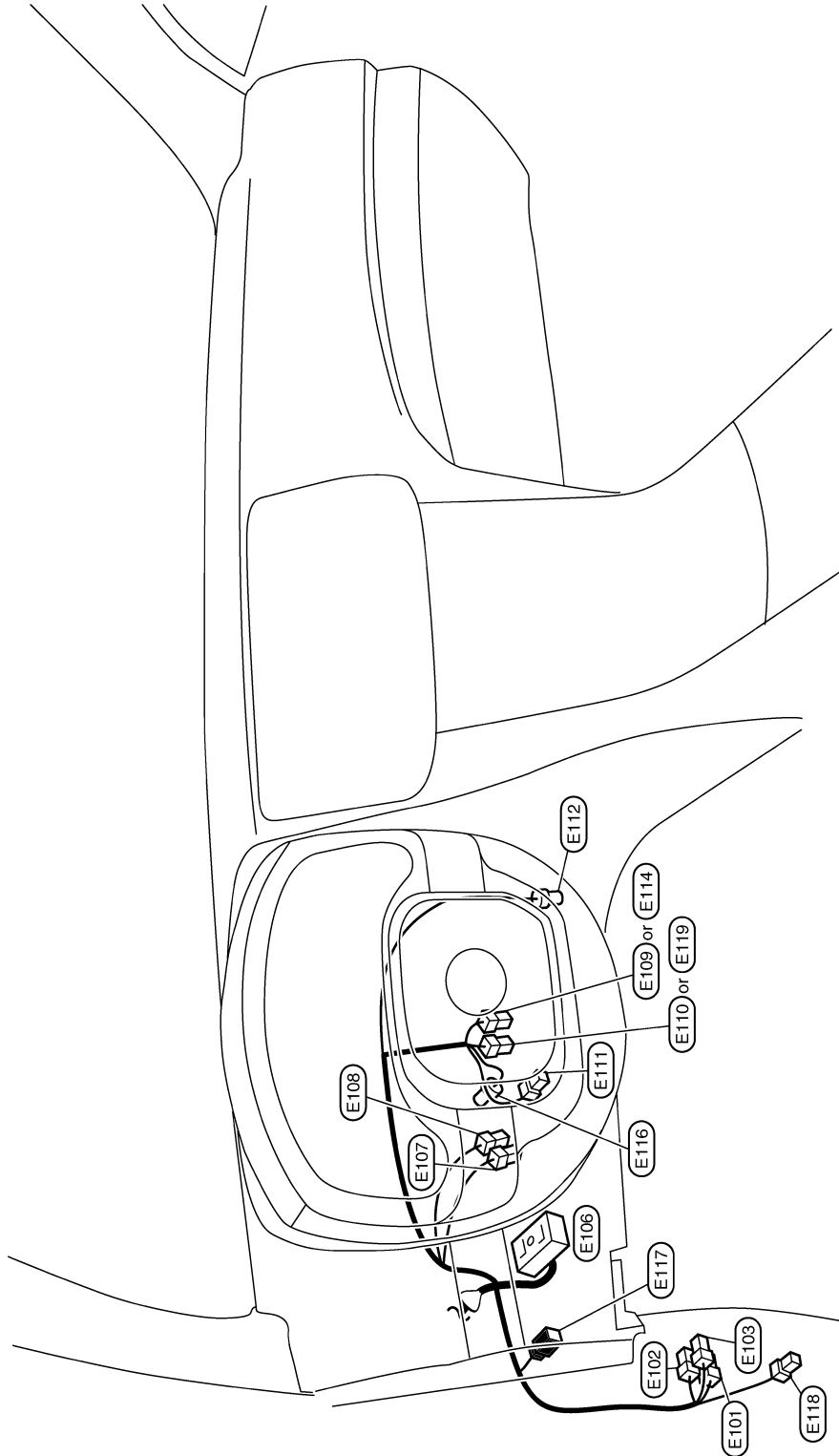
# HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## PASSENGER COMPARTMENT

Passenger Compartment



2010/10/07

JCMIM1714GB

# HARNESS LAYOUT

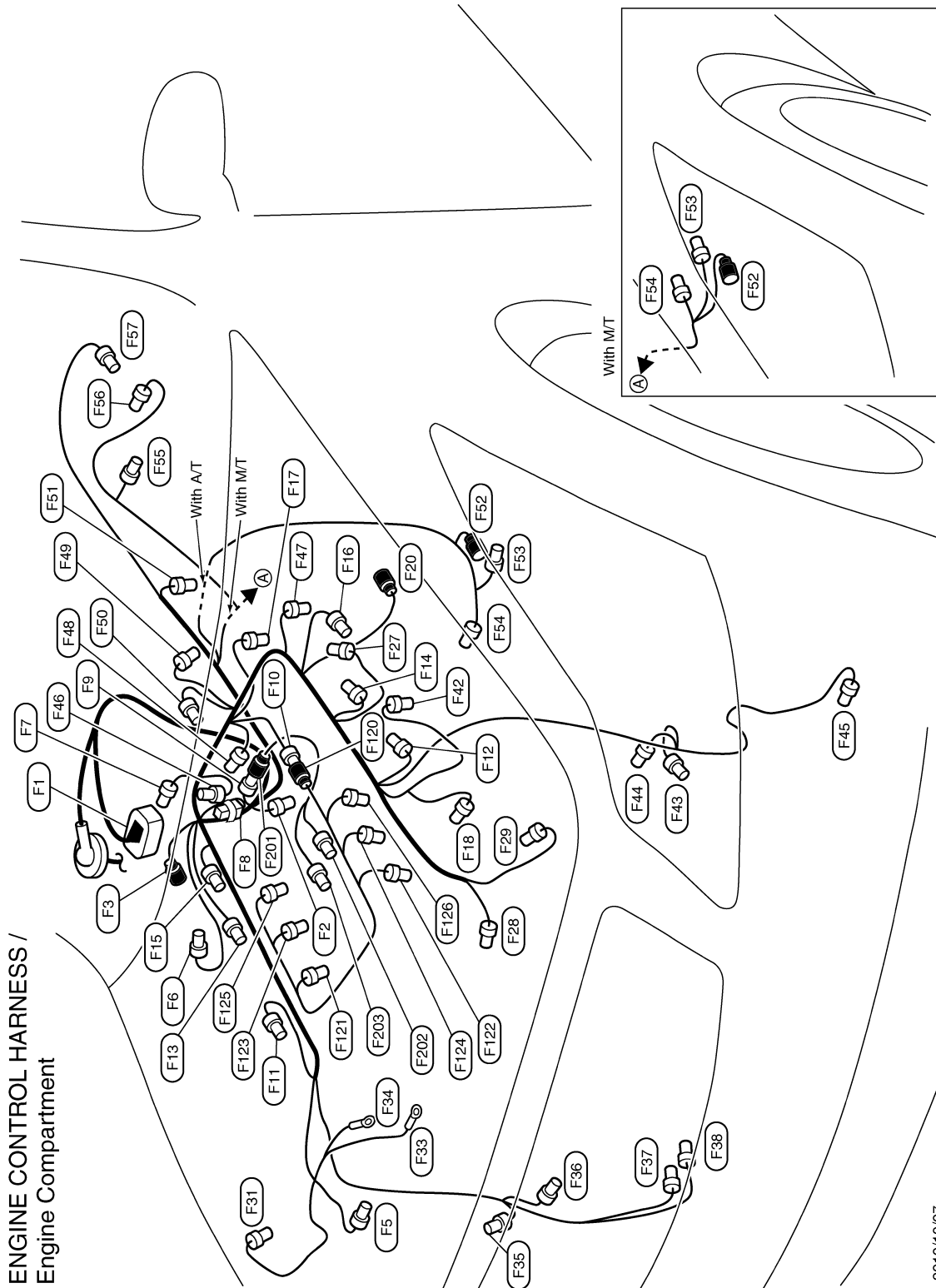
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Engine Control Harness

INFOID:000000006451812

### ENGINE COMPARTMENT



ENGINE CONTROL HARNESS /  
Engine Compartment

2010/10/07

JCMIM1715GB

A  
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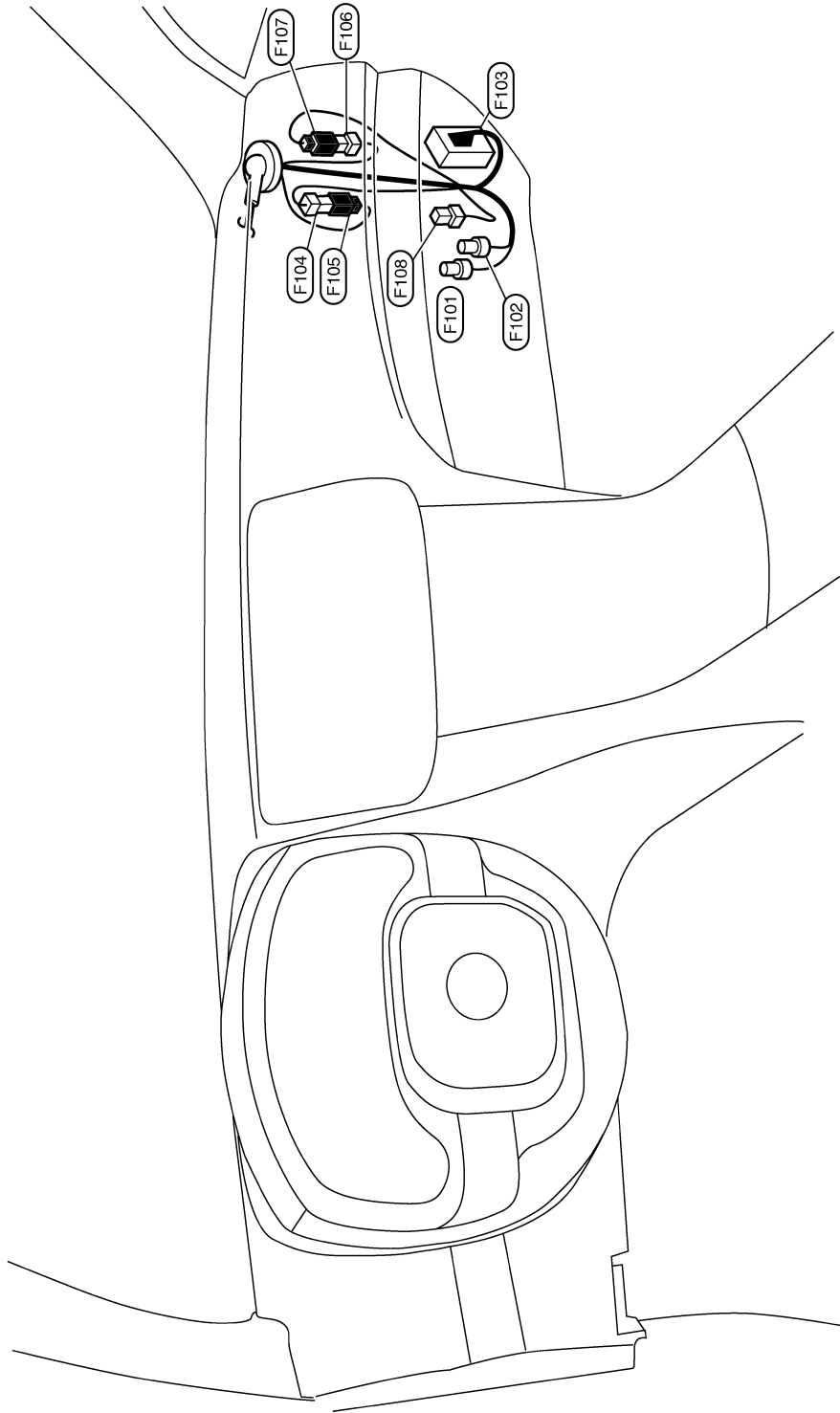
PG

# HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

PASSENGER COMPARTMENT



Passenger Compartment

2009/11/05

JCMIM1116GB

# HARNESS LAYOUT

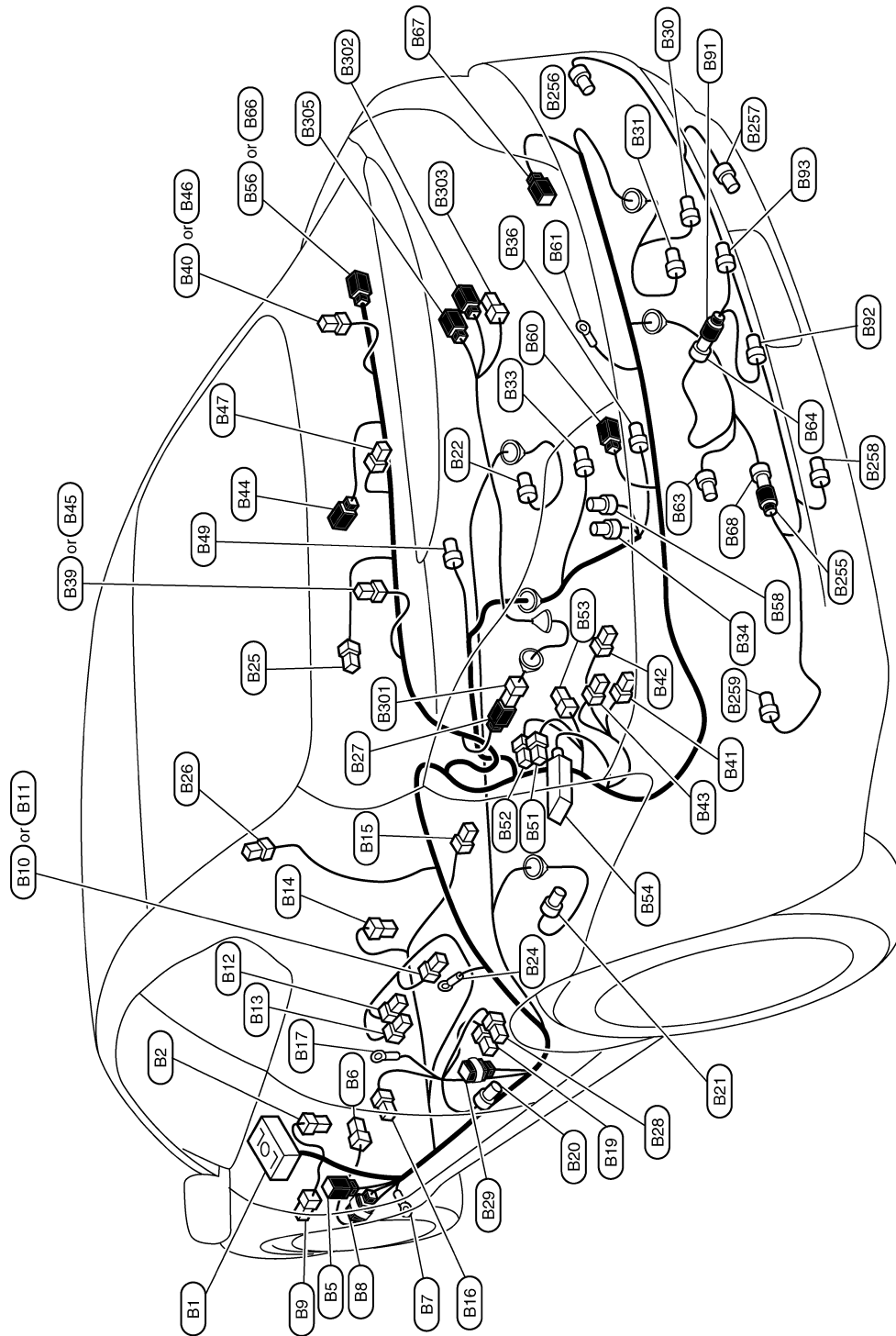
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Body Harness

INFOID:000000006451813

BODY HARNESS



2009/11/05

JCMIM1117GB

A  
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P

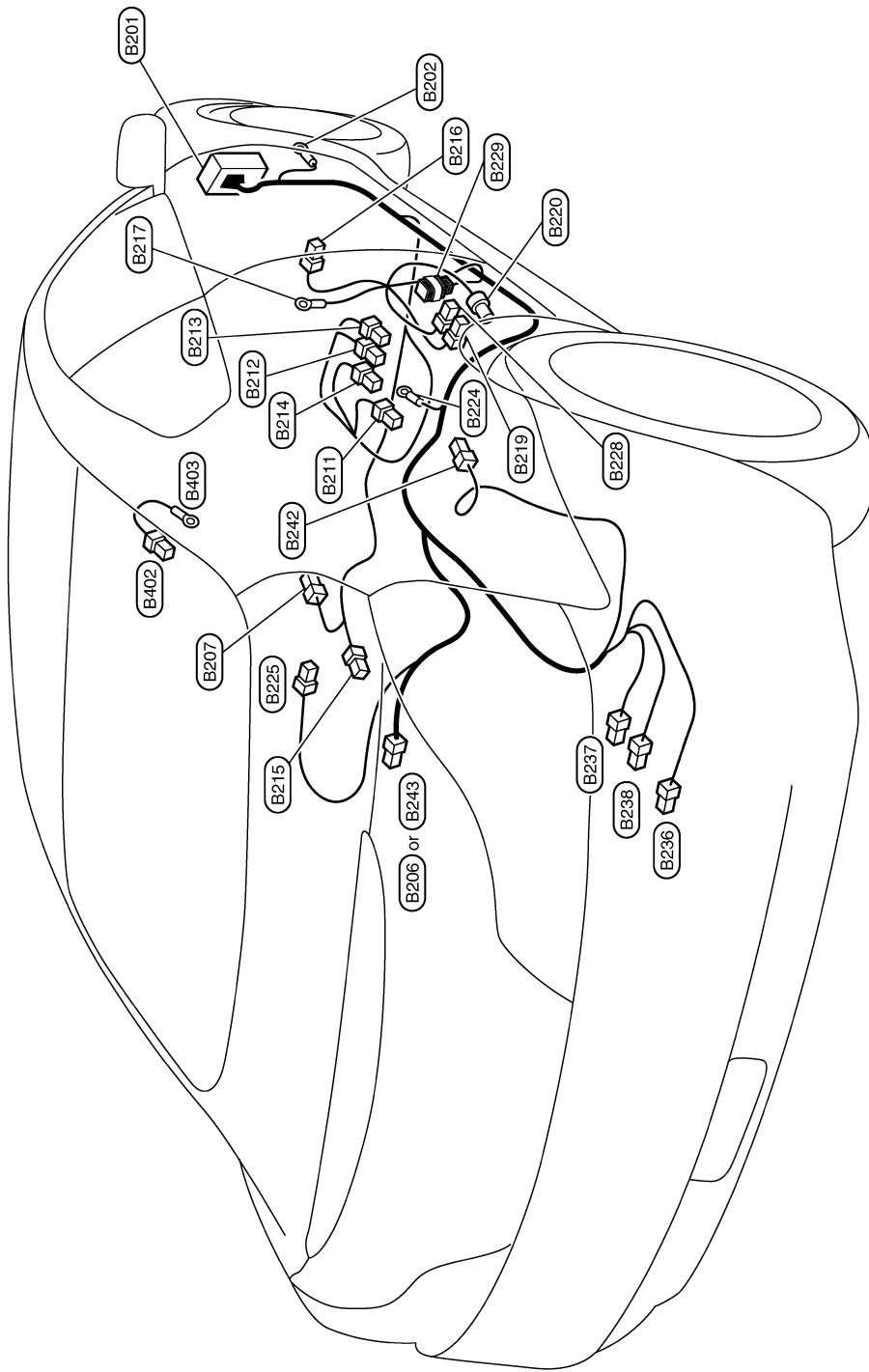
# HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Body No. 2 Harness

INFOID:000000006451814



BODY No. 2 HARNESS

2009/11/05

JCMIM1118GB



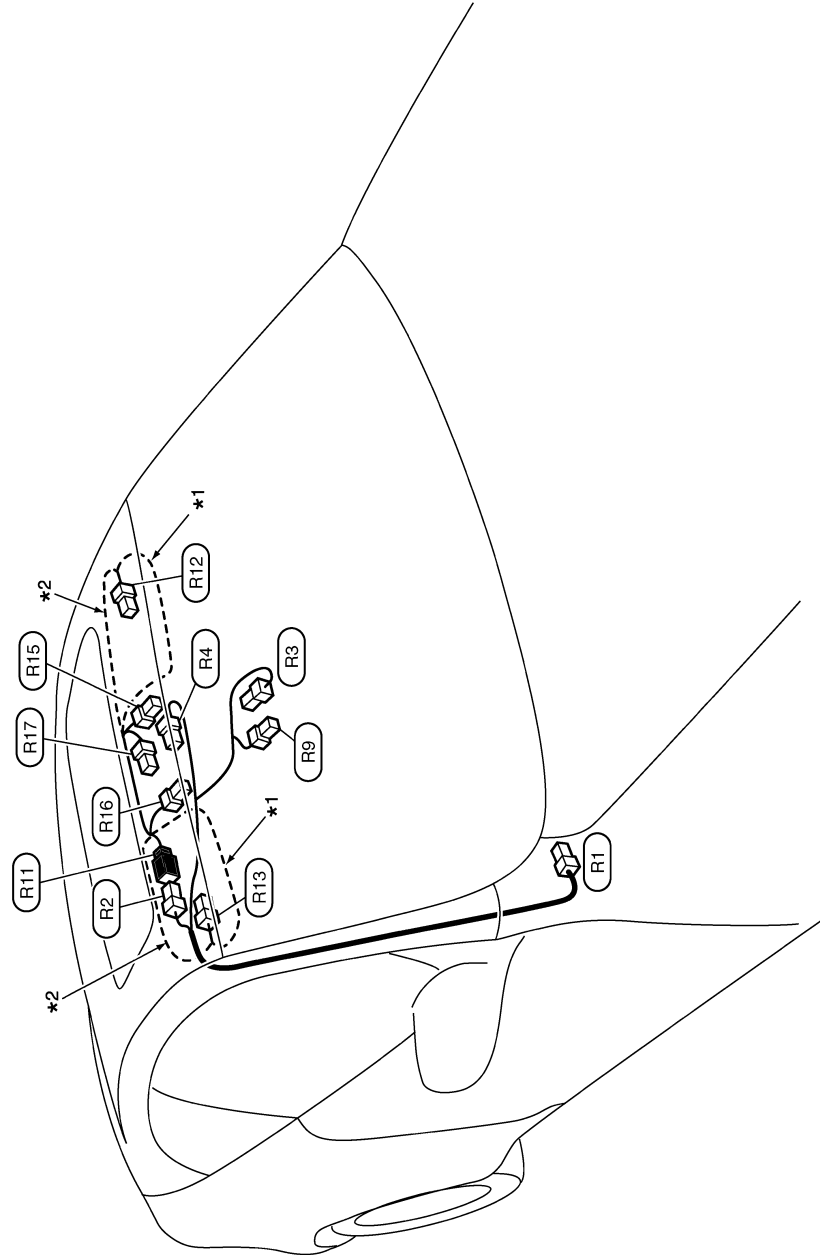
# HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Room Lamp Harness

INFOID:000000006451815



ROOM LAMP HARNESS

\*1 : With sunroof  
\*2 : Without sunroof

2009/11/05

JCMIM1119GB

A  
B  
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# HARNES LAYOUT

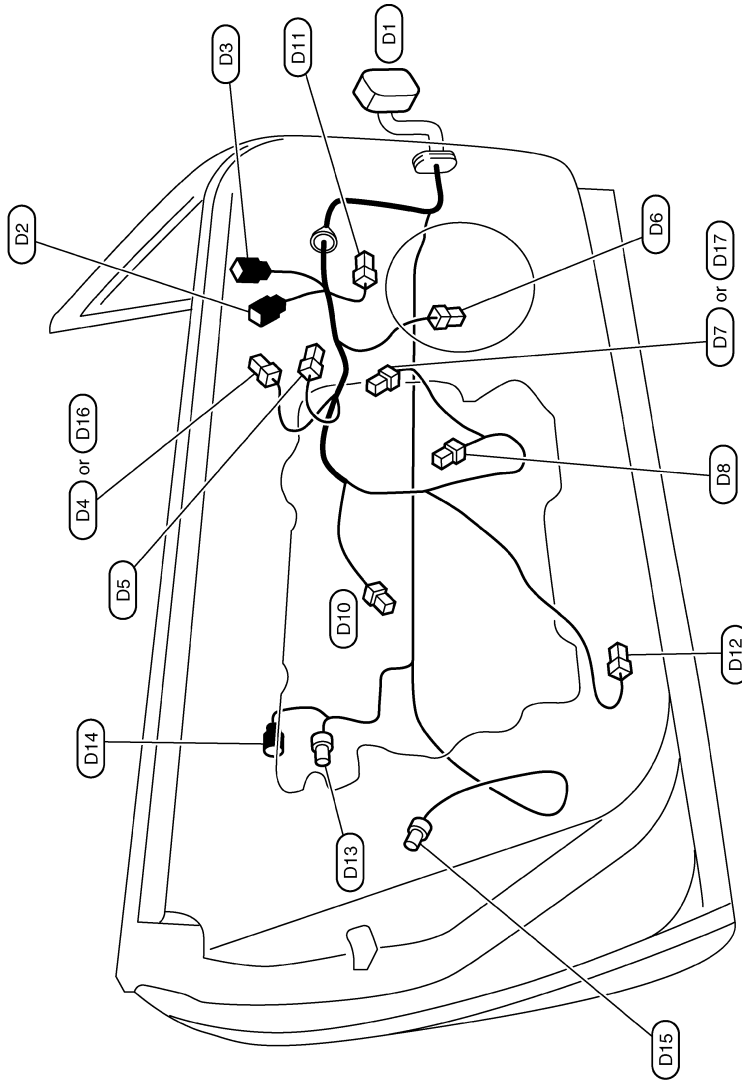
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Door Harness (Driver Side Door)

INFOID:000000006451816

DOOR HARNESS (DRIVER SIDE DOOR)



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# HARNESS LAYOUT

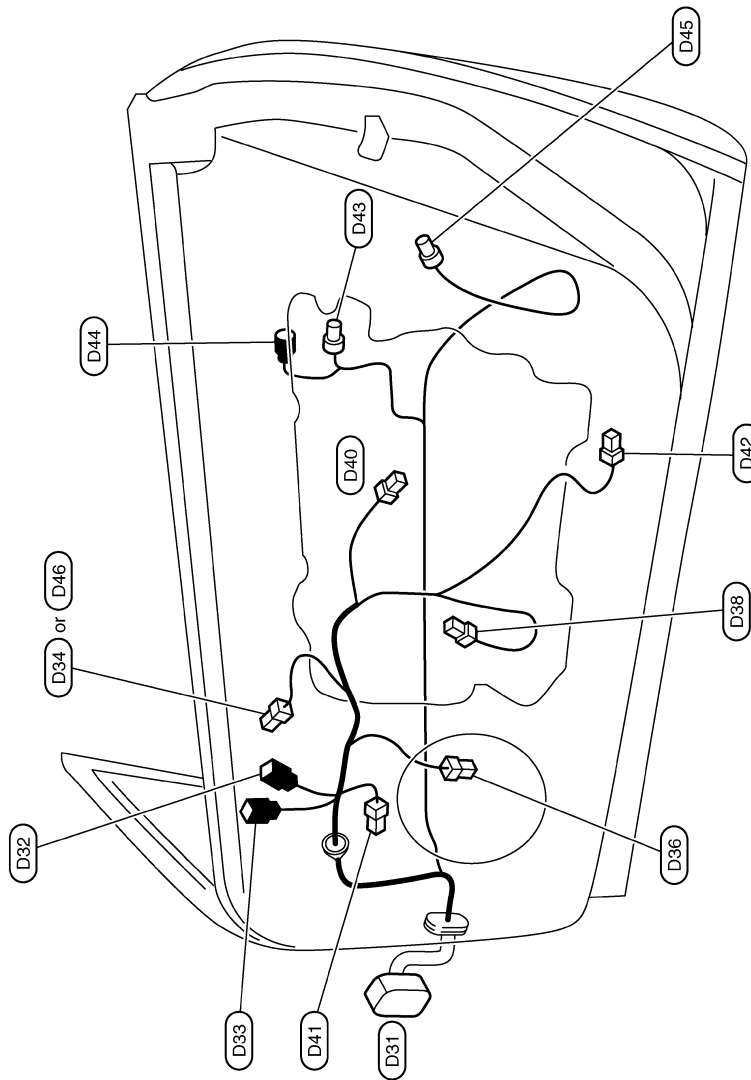
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Door Harness (Passenger Side Door)

INFOID:000000006451817

DOOR HARNESS (PASSENGER SIDE DOOR)



A  
B  
C  
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JCMIA0192GB

# HARNESS CONNECTOR

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## HARNESS CONNECTOR

### Description

INFOID:00000006451818

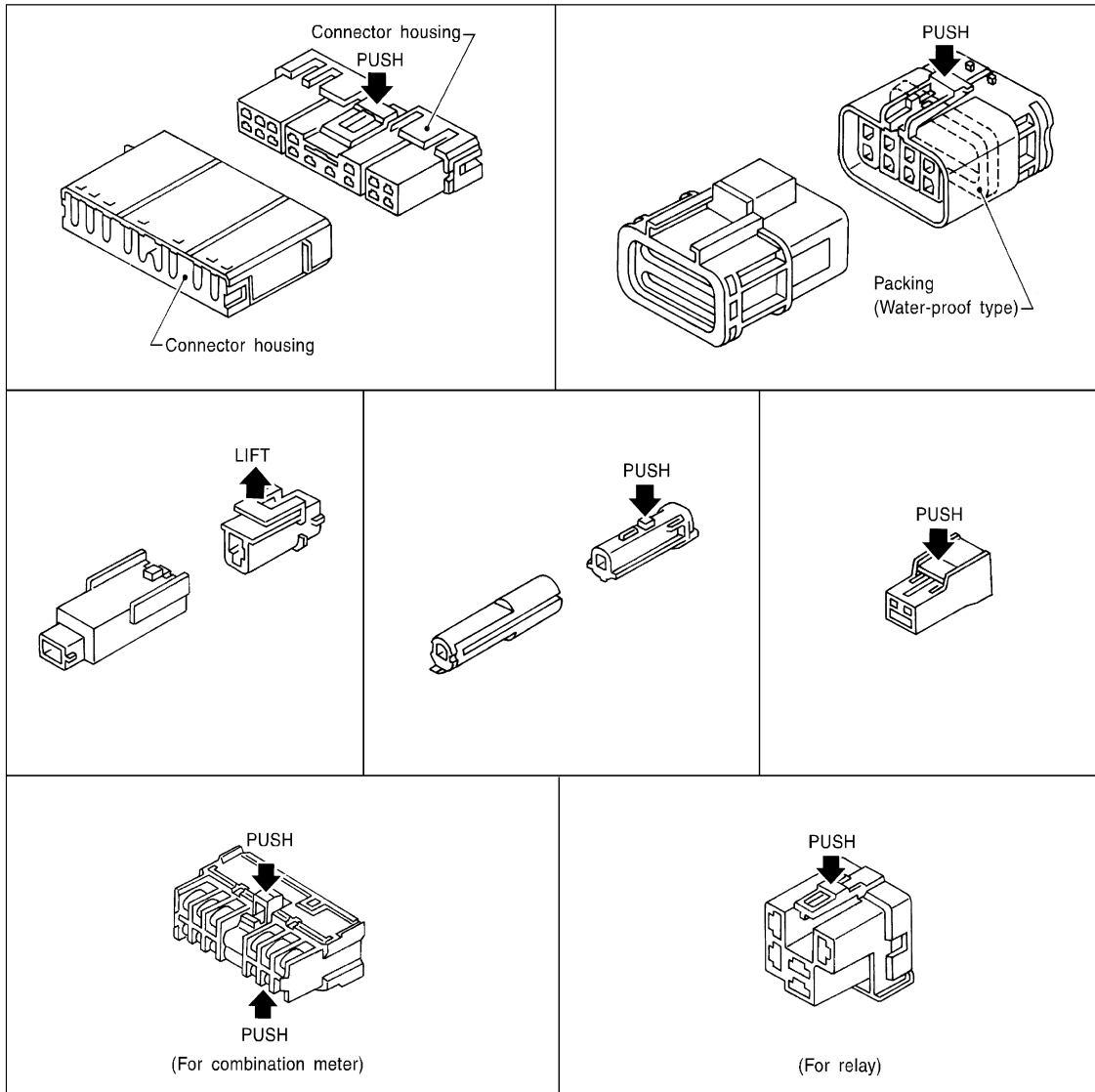
#### HARNESS CONNECTOR (TAB-LOCKING TYPE)

- 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

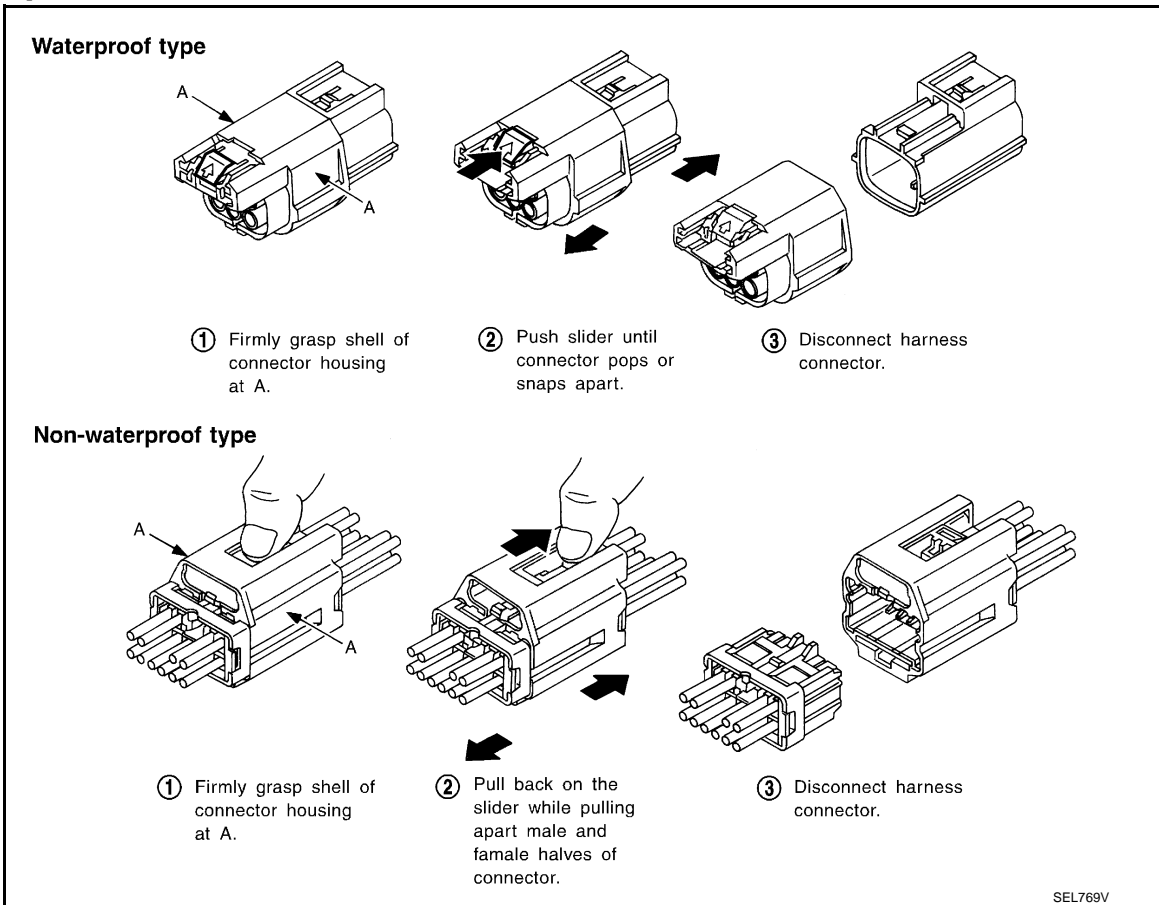
< DTC/CIRCUIT DIAGNOSIS >

[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:**

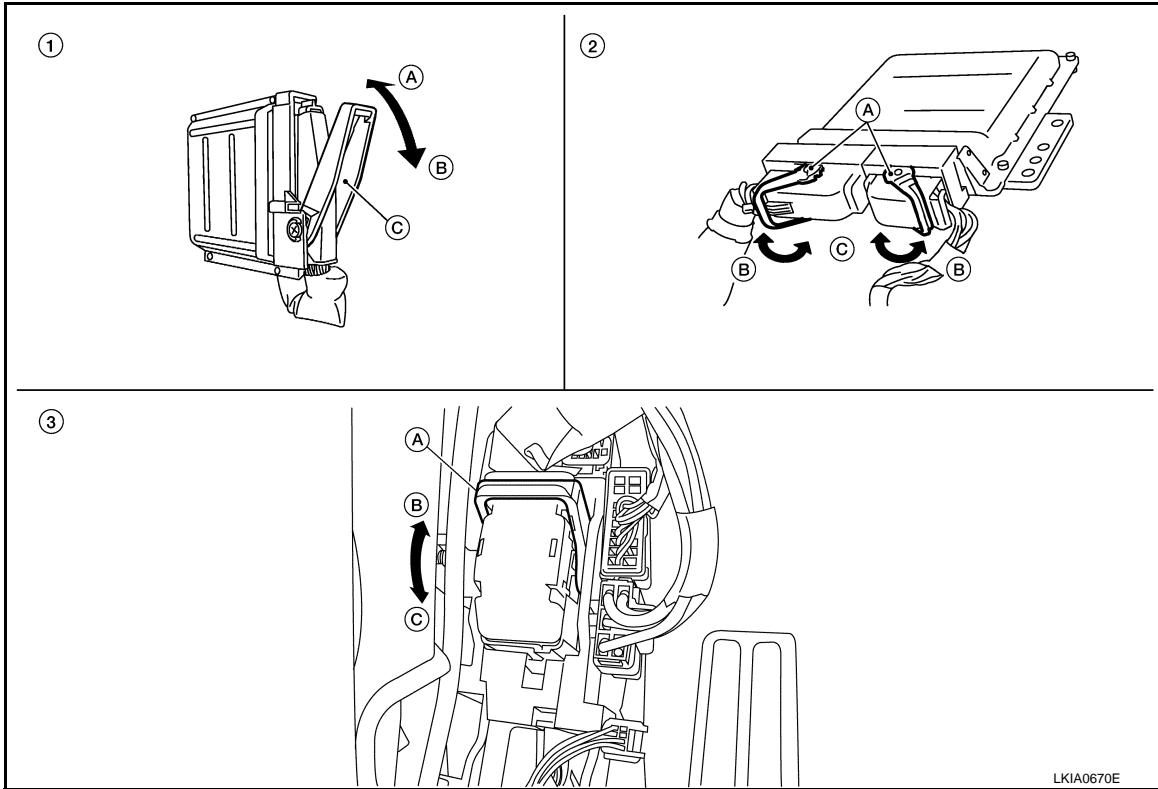
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# HARNES CONNECTOR

< 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 | 2. Control unit with dual levers | 3. SMJ connector |
| A. Fasten                         | A. Levers                        | A. Lever         |
| B. Loosen                         | B. Fasten                        | B. Fasten        |
| C. Lever                          | C. Loosen                        | C. Loosen        |

# STANDARDIZED RELAY

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

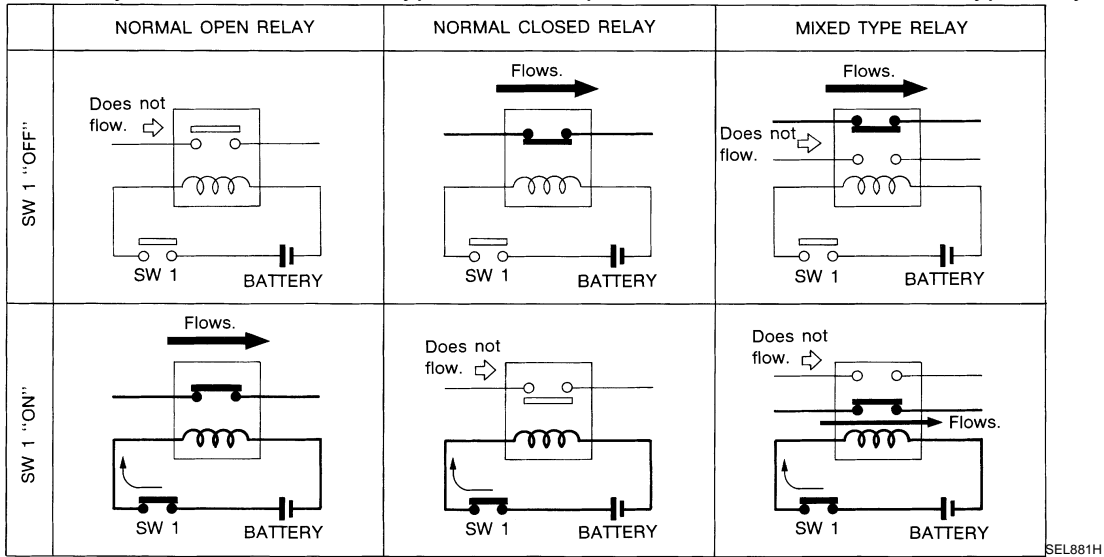
## STANDARDIZED RELAY

### Description

INFOID:000000006451819

### NORMAL OPEN, NORMAL CLOSED AND MIXED TYPE RELAYS

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



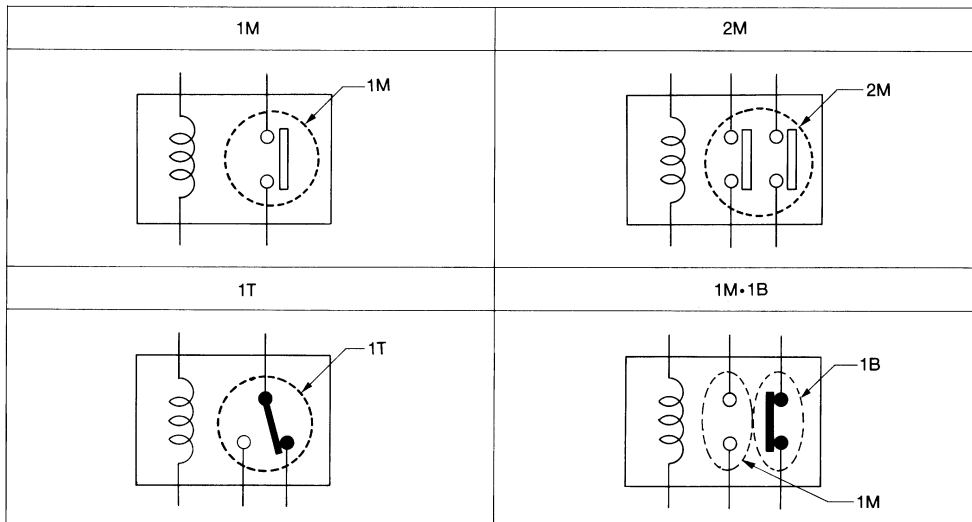
### TYPE OF STANDARDIZED RELAYS

1M ..... 1 Make

2M ..... 2 Make

1T ..... 1 Transfer

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

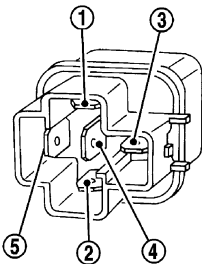
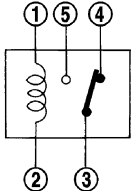
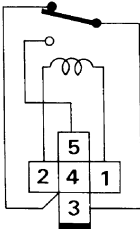
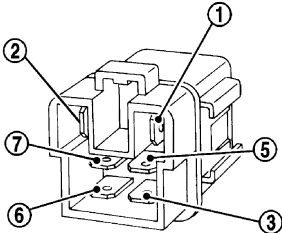
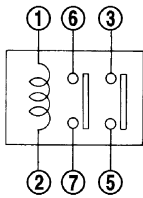
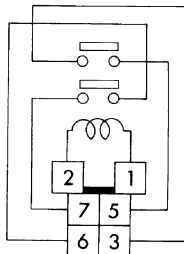
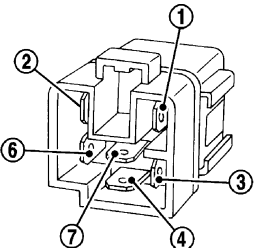
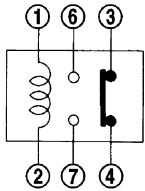
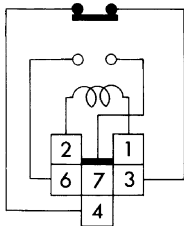
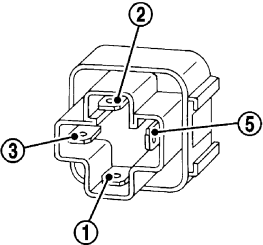
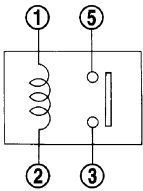
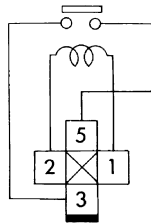
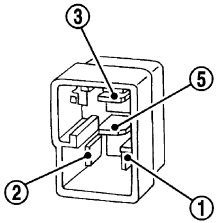
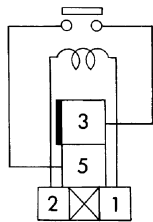


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# STANDARDIZED RELAY

< 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)

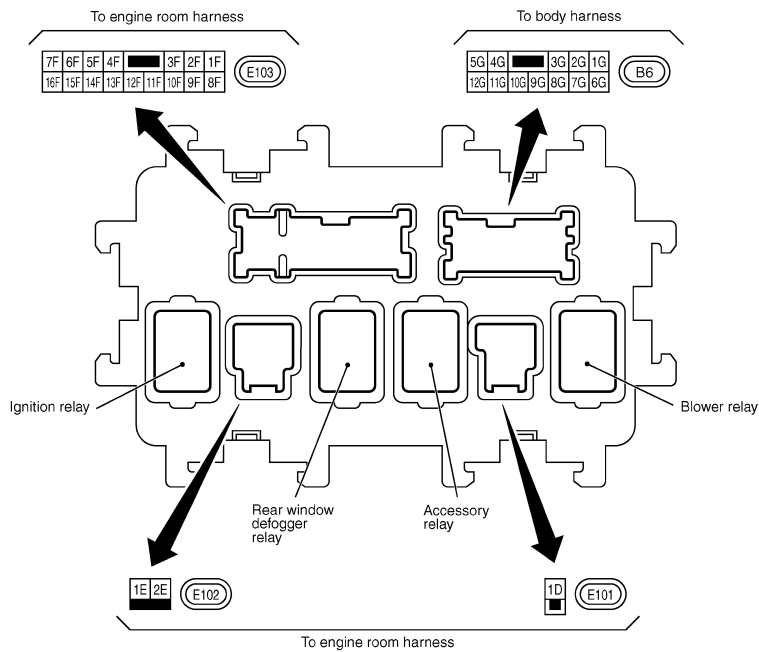
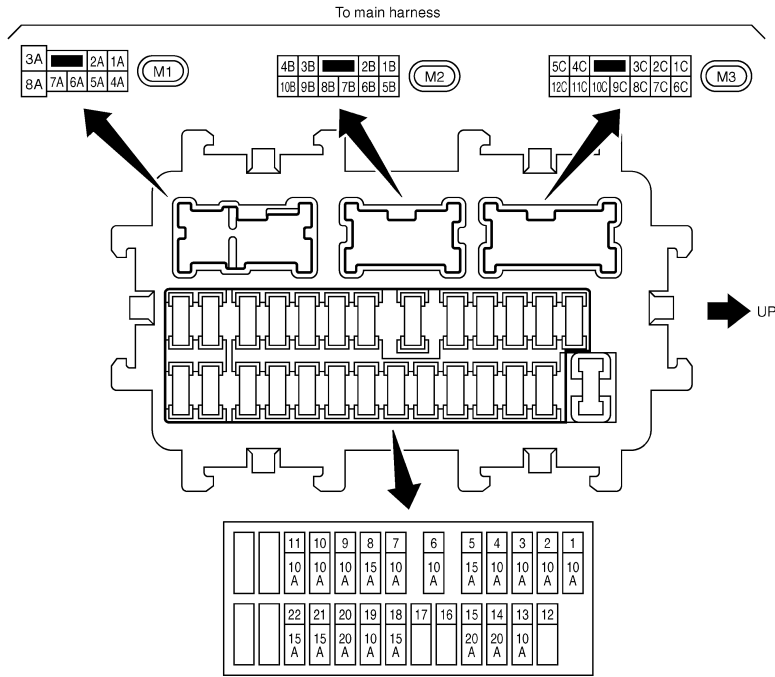
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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

### Fuse, Connector and Terminal Arrangement

INFOID:000000006451820



2009/11/05

JCMWM6117GB

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# FUSE, FUSIBLE LINK AND RELAY BOX

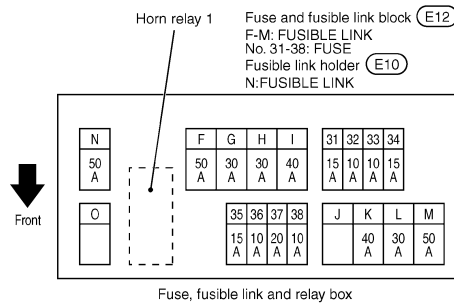
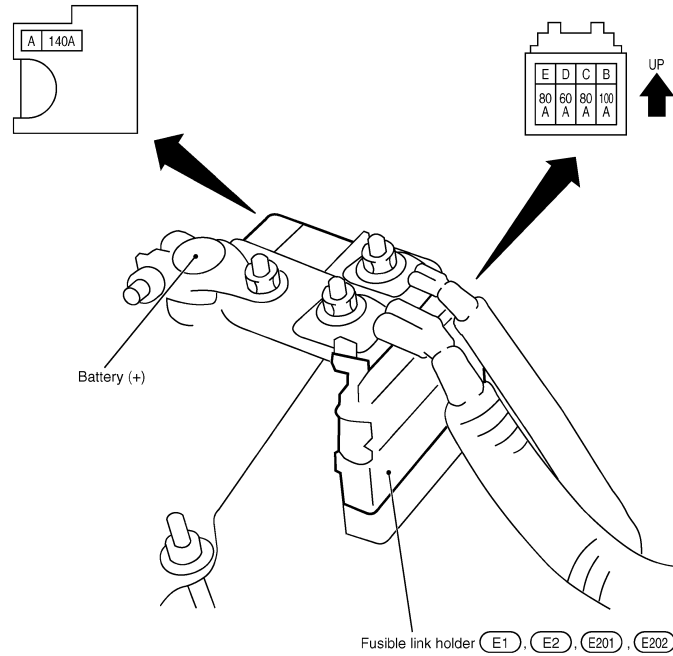
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## FUSE, FUSIBLE LINK AND RELAY BOX

### Fuse and Fusible Link Arrangement

INFOID:000000006451821



2008/08/22

JCMWM3143GB

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

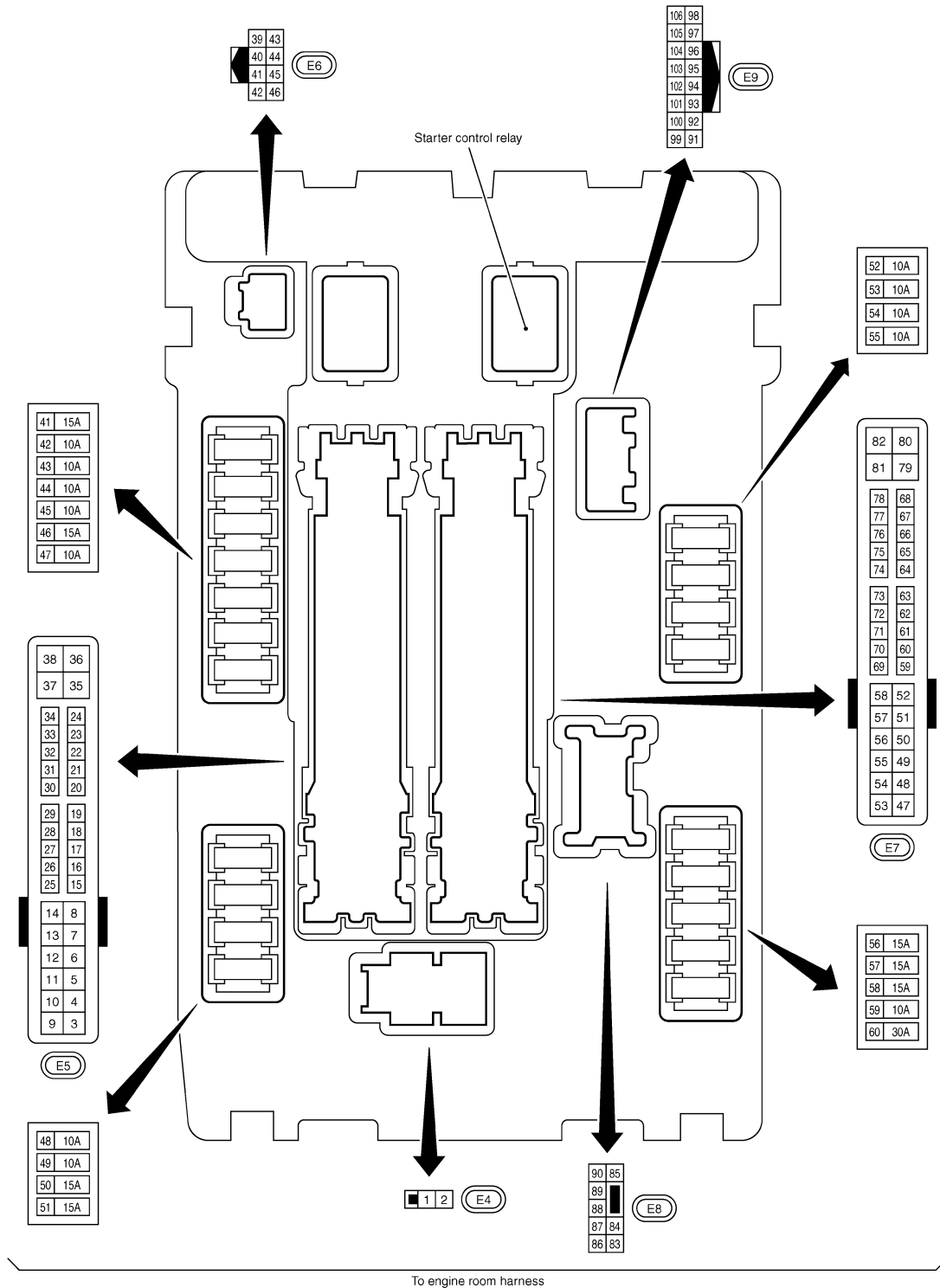
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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

### Fuse, Connector and Terminal Arrangement

INFOID:000000006451822



2010/10/07

JCMWN0241GB

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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:000000006451823

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:**

Always observe the following items for preventing accidental activation.

- To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision that 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 "SRS AIR BAG".
- Never use electrical test equipment on any circuit related to the SRS unless instructed to in this Service Manual. SRS wiring harnesses can be identified by yellow and/or orange harnesses or harness connectors.

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

#### **WARNING:**

Always observe the following items for preventing accidental activation.

- When working near the Air Bag Diagnosis Sensor Unit or other Air Bag System sensors with the ignition ON or engine running, never 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

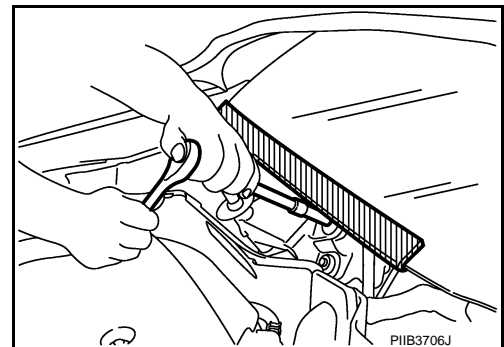
INFOID:000000006451824

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:000000006451825

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



# PREPARATION

## [POWER SUPPLY & GROUND CIRCUIT]

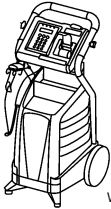
< PREPARATION >

# PREPARATION

## PREPARATION

### Special Service Tools

INFOID:000000006451826

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]

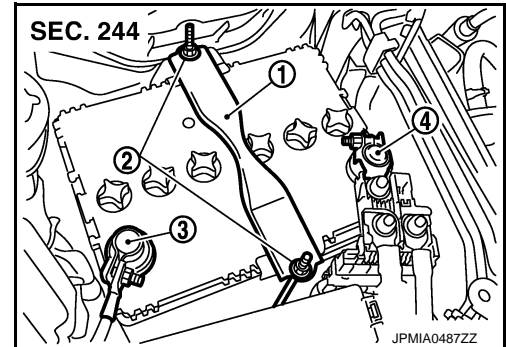
## REMOVAL AND INSTALLATION

### BATTERY

#### Exploded View

INFOID:000000006451827

- 1 : Battery fix frame
- 2 : Battery fix frame mounting nuts
- 3 : Battery terminal (-)
- 4 : Battery terminal (+)

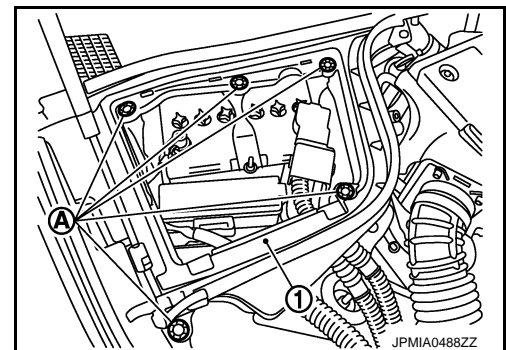


#### Removal and Installation

INFOID:000000006451828

##### REMOVAL

1. Remove battery cover.
2. Remove the clips (A), and remove hoodledge cover (RH) (1).

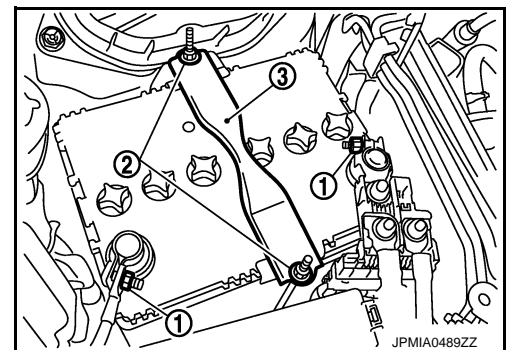


3. Remove cowl top cover (RH). Refer to [EXT-23. "Exploded View"](#).
4. Remove cover of battery positive terminal.
5. Loosen battery terminal nuts (1), and disconnect both battery cables from battery terminals.

**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-59, "ADDITIONAL SERVICE WHEN REMOVING BATTERY NEGATIVE TERMINAL : Required Procedure After Battery Disconnection"](#).

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# BATTERY TERMINAL WITH FUSIBLE LINK

< REMOVAL AND INSTALLATION >

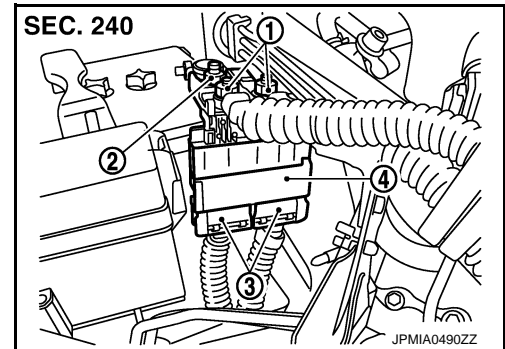
[POWER SUPPLY & GROUND CIRCUIT]

## BATTERY TERMINAL WITH FUSIBLE LINK

### Exploded View

INFOID:000000006451829

- 1 : Harness mounting nut
- 2 : Fusible link holder mounting nut
- 3 : Harness connector
- 4 : Battery terminal with fusible link

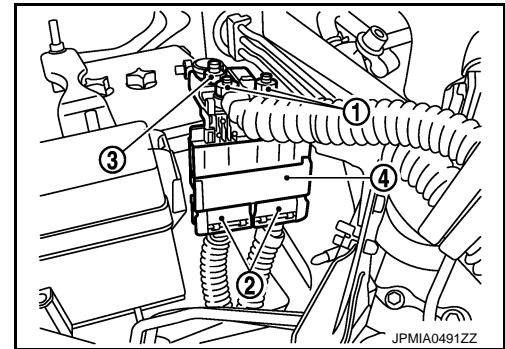


### Removal and Installation

INFOID:000000006451830

#### 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:000000006451831

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

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