

SECTION **PG**

POWER SUPPLY, GROUND & CIRCUIT ELEMENTS

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BASIC INSPECTION

BATTERY

How to Handle Battery

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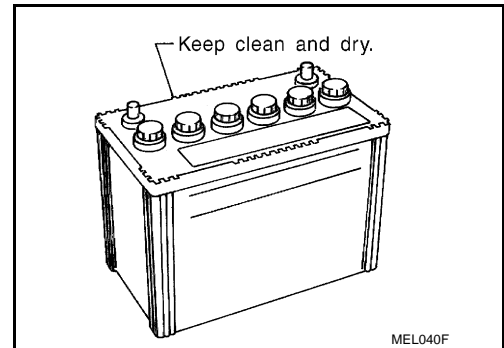
CAUTION:

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

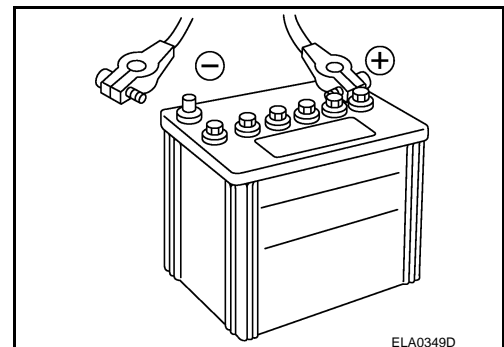
METHODS OF PREVENTING OVER-DISCHARGE

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

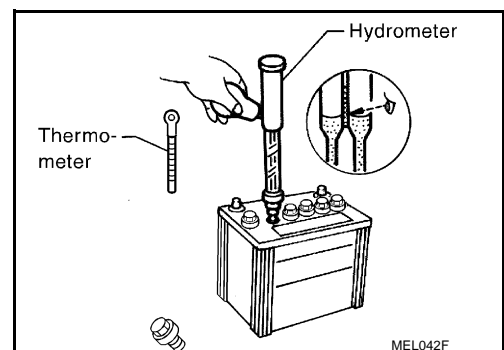
- The battery surface (particularly its top) should always be kept clean and dry.
- The terminal connections should be clean and tight.
- At every routine maintenance, check the electrolyte level. This also applies to batteries designated as "low maintenance" and "maintenance-free".



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



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



CHECKING ELECTROLYTE LEVEL

WARNING:

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

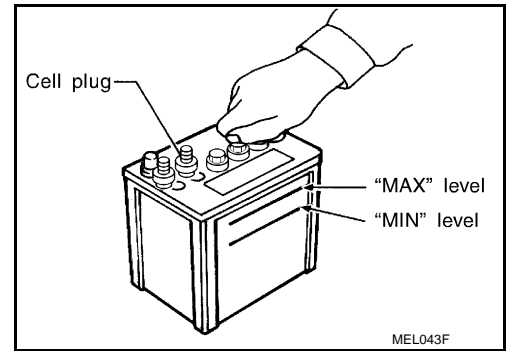
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BATTERY

[POWER SUPPLY & GROUND CIRCUIT]

< BASIC INSPECTION >

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

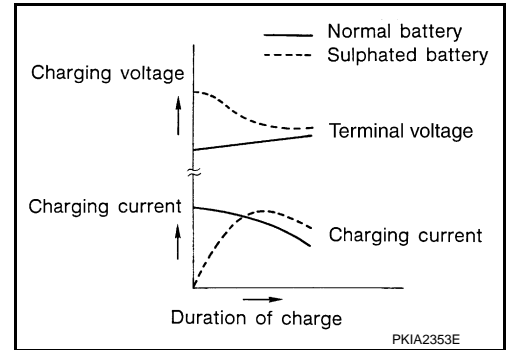


Sulphation

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

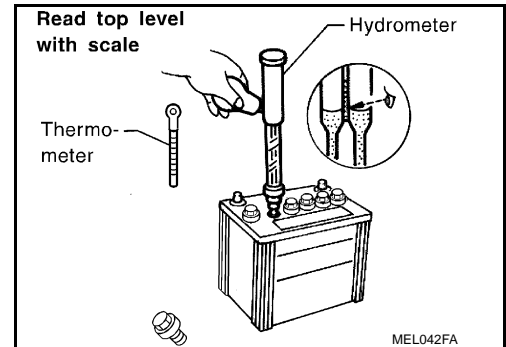
To determine if a battery has been “sulphated”, note its voltage and current when charging it. As shown in the figure, less current and higher voltage are observed in the initial stage of charging sulphated batteries.

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



SPECIFIC GRAVITY CHECK

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



Hydrometer Temperature Correction

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

BATTERY

< BASIC INSPECTION >

[POWER SUPPLY & GROUND CIRCUIT]

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

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

CHARGING THE BATTERY

CAUTION:

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

Charging Rates

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

Do not charge at more than 50 ampere rate.

NOTE:

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

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

Work Flow

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TROUBLE DIAGNOSIS WITH BATTERY SERVICE CENTER

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

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

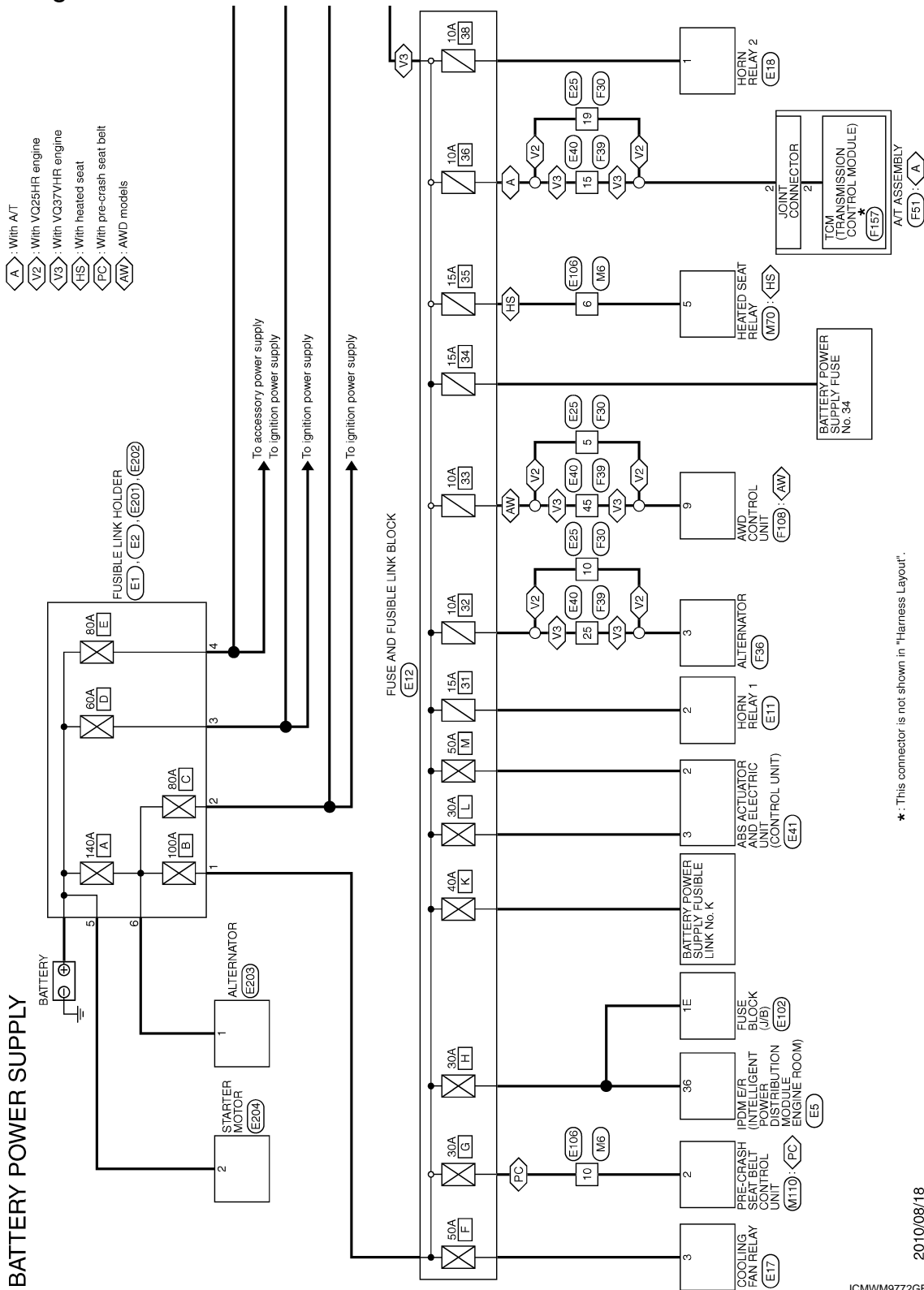
[POWER SUPPLY & GROUND CIRCUIT]

DTC/CIRCUIT DIAGNOSIS

POWER SUPPLY ROUTING CIRCUIT

Wiring Diagram - BATTERY POWER SUPPLY -

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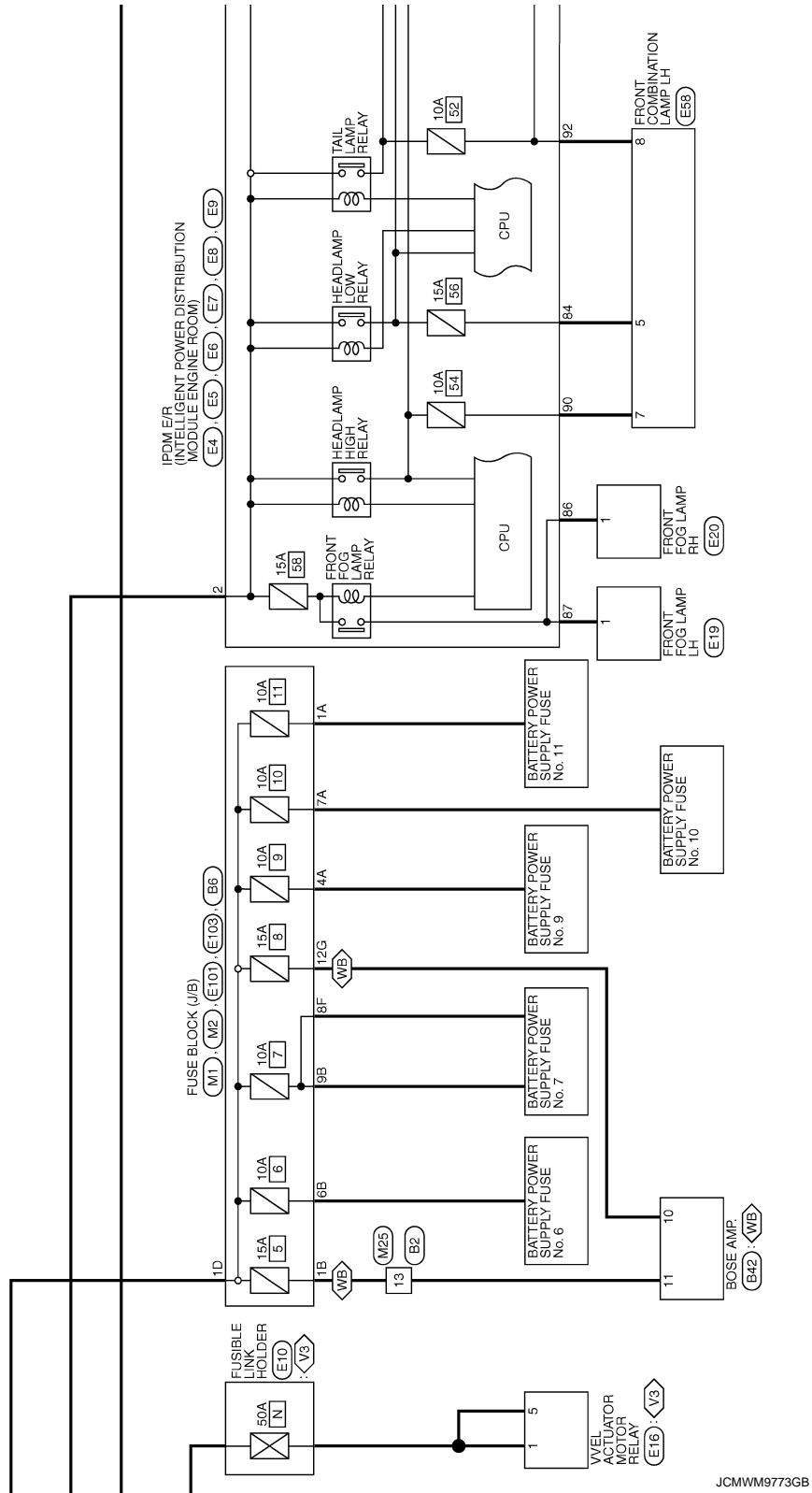


POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

V3 : With VQ37VHR engine
WB : With BOSE system



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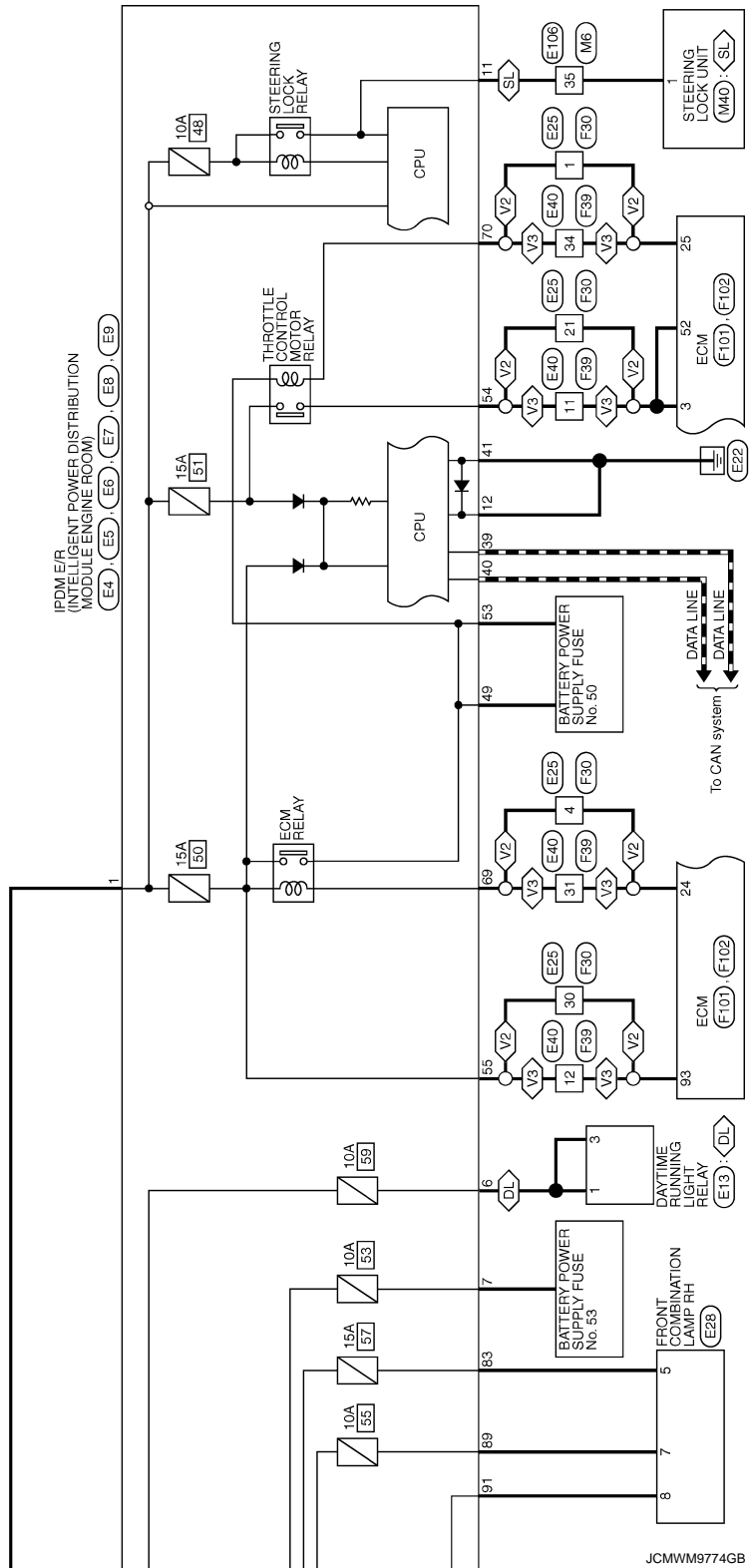
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POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

- ◁ V2 ▷ : With VQ25HR engine
- ◁ V3 ▷ : With VQ37VHR engine
- ◁ DL ▷ : With daytime running light system
- ◁ SL ▷ : With steering lock unit



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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY

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	W	-
4	LG	-
5	L	-
6	BG	-
7	B	-
8	B	-
9	Y	-
10	Y	-
11	LG	-
12	P	-
13	GR	-
14	R	-
15	G	-
16	W	-

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



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

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



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

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



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

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



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

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



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

Connector No.	E5
Connector Name	BOSE INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	TH02FW-GS12-IM-IV



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

6	SB	-
7	P	-
11	W	-
12	B/W	-
13	Y	-
16	LG	-
19	R	-
25	G	-
26	Y	-
27	BG	-
28	L	-
30	GR	-
32	V	-
33	P	-
36	G	-

Connector No.	E6
Connector Name	BOSE INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	TH02FW-NH



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

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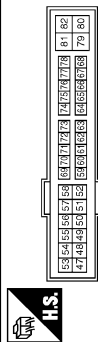
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

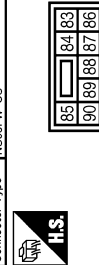
BATTERY POWER SUPPLY

Connector No.	E7
Connector Name	SMALL INTELLIGENT POWER DISTRIBUTION MODULE (SMIPDM)
Connector Type	TH2DFW-CS12-M4



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

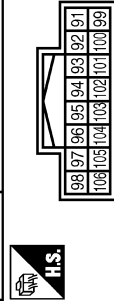
Connector No.	E8
Connector Name	SMALL INTELLIGENT POWER DISTRIBUTION MODULE (SMIPDM)
Connector Type	NS08FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
83	R	-
84	V	-
86	W	-
87	L	-
88	G	-

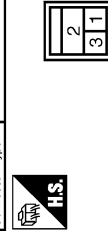
89	BR	-
90	P	-

Connector No.	E9
Connector Name	SMALL INTELLIGENT POWER DISTRIBUTION MODULE (SMIPDM)
Connector Type	TH1DFW-NH



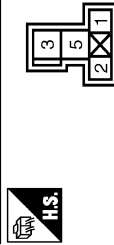
Terminal No.	Color of Wire	Signal Name [Specification]
91	G	-
92	BG	-
97	V	-
104	LG	-
105	L	-

Connector No.	E11
Connector Name	HORN RELAY 1
Connector Type	-



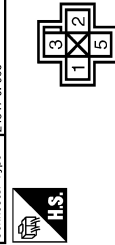
Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
2	SB	-
3	G	-

Connector No.	E13
Connector Name	DAYTIME RUNNING LIGHT RELAY
Connector Type	MS22FL-M2-LC



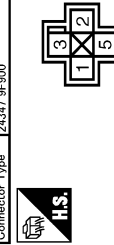
Terminal No.	Color of Wire	Signal Name [Specification]
1	SB	-
2	L	-
3	SB	-
5	BG	-

Connector No.	E16
Connector Name	VVEL ACTUATOR MOTOR RELAY
Connector Type	24347 9F500



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

Connector No.	E17
Connector Name	COOLING FAN RELAY
Connector Type	24347 9F500



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

Connector No.	E18
Connector Name	HORN RELAY 2
Connector Type	MS03FW-R-LC



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

Connector No.	E19
Connector Name	FRONT FOG LAMP LH
Connector Type	FHZ202FB



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

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

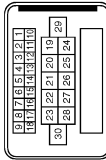
BATTERY POWER SUPPLY

Connector No.	E20
Connector Name	FRONT FOG LAMP RH
Connector Type	FHE20FB



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

Connector No.	E25
Connector Name	WIRE TO WIRE
Connector Type	SAA19MB-RS10-SJ22



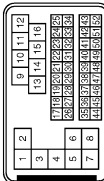
Terminal No.	Color of Wire	Signal Name [Specification]
1	BG	
2	G	
3	Y	
4	BR	
5	GR	
10	V	
11	R	
12	P	
13	W	
14	SB	
19	EG	
21	P	
22	L	
23	BR	
24	GR	
25	Y	
26	G	
27	W	
28	W	
30	SB	

Connector No.	E28
Connector Name	FRONT COMBINATION LAMP RH
Connector Type	RS30FB-PR



Terminal No.	Color of Wire	Signal Name [Specification]
3	B	
4	B/W	
5	R	
6	V	
7	BR	
8	G	

Connector No.	E40
Connector Name	WIRE TO WIRE
Connector Type	SAA38MB-RS3-SHZ3



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	L	
14	G	
15	BG	
16	BR	
17	P	

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

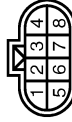
Connector No.	E41
Connector Name	ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT)
Connector Type	BAA42FB-AN24-LH



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	GND
2	GR	UBMR
3	BG	UBVR
4	B	GND
5	Y	DS FL

6	BG	DP RL
7	BR	DP RR
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.	E58
Connector Name	FRONT COMBINATION LAMP LH
Connector Type	RS30FB-PR



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

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POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

BATTERY POWER SUPPLY

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



Terminal No.	1D	Color of Wire	R	Signal Name [Specification]	-
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Connector No.	E102
Connector Name	FUSE BLOCK (J/B)
Connector Type	M02FB-LC



Terminal No.	1E	Color of Wire	V	Signal Name [Specification]	-
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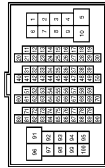
Connector No.	E103
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS16FW-CS



Terminal No.	1F	Color of Wire	SB	Signal Name [Specification]	-
2F	W	G	-	-	-
4F	G	-	-	-	-
6F	BR	-	-	-	-

8F	L	-
9F	P	-

Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	T186FW-CS16-TM4



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

Connector No.	E202
Connector Name	FUSIBLE LINK HOLDER
Connector Type	Z4340 79005



Terminal No.	6	Color of Wire	R	Signal Name [Specification]	-
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Connector No.	E203
Connector Name	AL-TERMINATOR
Connector Type	Z4340 69F45



Terminal No.	1	Color of Wire	R	Signal Name [Specification]	B
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Connector No.	E204
Connector Name	STARTER MOTOR
Connector Type	Z4346 51E61



Terminal No.	2	Color of Wire	Y	Signal Name [Specification]	- [With A/T]
2	Y	-	-	-	- [With M/T]

47	V	-
48	P	-
49	L	-
50	B	-
60	GR	-
67	LG	-
68	SB	-
69	P	-
70	G	-
80	R	-
81	P	-
82	G	-
83	V	-
84	L	-
85	W	-
86	L	-
87	BR	-
88	GR	-
89	V	-
91	W	-
93	GR	-
95	LG	-
97	SB	-
98	SHIELD	-
99	L	-
100	P	-

Connector No.	E201
Connector Name	FUSIBLE LINK HOLDER
Connector Type	Z4340 79008



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

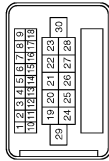
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY

Connector No.	F30
Connector Name	WIRE TO WIRE
Connector Type	SAA10PE-RS10-SJ22



Terminal No.	Color of Wire	Signal Name [Specification]
1	EG	-
2	G	-
3	GR	-
4	SB	-
5	EG	-
10	V	-
11	R	-
12	R	-
13	W	-
14	Y	-
19	BR	-
21	R	-
22	L	-
23	Y	-
24	GR	-
25	P	-
26	G	-
27	W	-
29	W	-
30	R	-

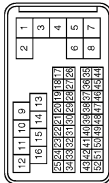
Connector No.	F36
Connector Name	ALTERNATOR
Connector Type	HS03FB



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

4	GR	C [With VG25HR engine]
4	W	C [With VG37VHR engine]

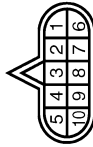
Connector No.	F39
Connector Name	WIRE TO WIRE
Connector Type	SAA30FB-RS8-SH23



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	- [AWD models]
16	Y	- [2WD models]
17	W	-
18	LG	-
19	P	-
20	O	-
21	Y	-
22	G	-
23	Y	-
24	LG	-
25	V	-
27	GR	-
28	BR	-
29	L	-
30	R	-
31	P	-
32	W	-
33	SB	-
34	BR	- [AWD models]
34	O	- [2WD models]

37	B	- [AWD models]
37	SHIELD	- [2WD models]
38	W	-
38	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	-

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



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	BR	- [With VG25HR engine]
2	R	- [With VG37VHR engine]
3	L	-
4	V	-
5	B	-
6	Y	- [With VG25HR engine]
6	G	- [With VG37VHR engine]
7	R	-
8	P	-
9	GR	-
10	B	-

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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	G	AFH 1 [With VQ25HR engine]
2	P	AFH 1 [With VQ37VHR engine]
3	R	MOTOR 1-B 1 [With VQ25HR engine]
4	V	MOTOR 2-B 1 [With VQ25HR engine]
5	BR	MOTOR 2-B 1 [With VQ37VHR engine]
6	SB	AFH 2 [With VQ37VHR engine and AMD models]
7	Y	EVTC#1
8	B	GND
11	GR	IGN#4
12	L	IGN#3
15	LG	IGN#5 [With VQ25HR engine]
16	G	IGN#2
17	P	O2HR 1
18	W	CVTCH 1
19	BR	IGN#6 [With VQ25HR engine]
20	Y	IGN#6 [With VQ37VHR engine]
21	V	EVAP [With VQ25HR engine]
21	GR	EVAP [With VQ37VHR engine]
22	R	FPR
24	SB	SSOFF [With VQ25HR engine]
24	P	SSOFF [With VQ37VHR engine]
25	BG	MOTRLY 1-B 1 [With VQ25HR engine]
25	BR	MOTRLY 1-B 1 [With VQ37VHR engine and AMD models]
25	O	MOTRLY 1-B 1 [With VQ37VHR engine and AMD models]
28	BR	ABORT
29	GR	CVTCH2 [With VQ25HR engine]
29	GR	CVTCH2 [With VQ37VHR engine]
30	B	TPS 1-B 1 [With VQ25HR engine]
30	Y	TPS 1-B 1 [With VQ37VHR engine]
31	R	TPS 1-B 2
33	LG	O2HR 2 [With VQ25HR engine]
33	SB	O2HR 2 [With VQ37VHR engine]

34	G	TPS 2-B 1 [With VQ25HR engine]
34	B	TPS 2-B 1 [With VQ37VHR engine]
35	W	TPS 2-B 2
36	O	GND-A-MVPPRES
37	W	POS
38	O	INTPRES
39	P	MVPRES
40	R	GND-A-TPS-B 1
43	G	AVCC-TPS-B 2
44	W	AVCC-TPS-B 1 [With VQ25HR engine]
44	L	AVCC-TPS-B 1 [With VQ37VHR engine]
45	LG	AVCC 2-MVPPRES
46	R	AVCC-POS
47	Y	GND-POS
48	B	GND-A-TPS-B 2

Connector No.	F102
Connector Name	ECM
Connector Type	RH40FER-R28-L-LH-Z



66	62	58	54	50	46	42	38	34	30	26	22	18	14	10	6	2
65	61	57	53	49	45	41	37	33	29	25	21	17	13	9	5	1

Terminal No.	Color of Wire	Signal Name [Specification]
49	P	MOTOR 2-B 2 [With VQ25HR engine]
49	GR	MOTOR 2-B 2 [With VQ37VHR engine]
50	L	MOTOR 1-B 2 [With VQ25HR engine]
50	V	MOTOR 1-B 2 [With VQ37VHR engine]
52	R	VMOT 1-B 2
53	W	IGNSW
54	Y	ENG CAN-L 1
55	LG	ENG CAN-H 1
57	L	AF-1
58	GR	E-PHASE#1
59	LG	PHASE#1 [With VQ25HR engine]
59	L	PHASE#1 [With VQ37VHR engine and AMD models]
59	O	PHASE#1 [With VQ37VHR engine and AMD models]
60	R	AVCC-PHS 1-E-PHS 1/PS [With VQ25HR engine]
60	G	AVCC-PHS 1-E-PHS 1/PS [With VQ37VHR engine]
61	P	AF-1 [With VQ25HR engine]
61	P	AF-1 [With VQ37VHR engine]
62	G	E-PHASE#2
63	L	PHASE#2
64	BR	AVCC-PHS-E-PHS 2/CO [With VQ25HR engine]
64	SB	AVCC-PHS-E-PHS 2/CO [With VQ37VHR engine]

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



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	BR	AMD SOL (+)
2	Y	AMD SOL (-)
3	W	OIL TEMP (-)
7	G	IGN
8	L	CAN-H
9	BG	AMD SOL BAT [With VQ25HR engine]
9	O	AMD SOL BAT [With VQ37VHR engine]
10	B	GND
11	B	GND
13	LG	OIL TEMP (+)
15	Y	VB
16	P	CAN-L

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



1	2	3	4	5
6	7	8	9	10

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

65	V	AF-2 [With VQ25HR engine]
65	LG	AF-2 [With VQ37VHR engine]
66	LG	AF-2 [With VQ25HR engine]
66	V	AF-2 [With VQ37VHR engine]
67	Y	TA 1 [With VQ25HR engine]
67	P	TA 1 [With VQ37VHR engine]
68	P	GND-A 1/TA 1 [With VQ25HR engine]
68	LG	GND-A 1/TA 1 [With VQ37VHR engine]
69	W	KNK 2
71	BG	TW [With VQ25HR engine]
71	Y	TW [With VQ37VHR engine]
72	SHIELD	GND-A-KNK
73	W	KNK 1
76	GR	O2SR 1 [With VQ25HR engine]
76	W	O2SR 1 [With VQ37VHR engine]
77	L	GA 1+ [With VQ25HR engine]
77	SB	GA 1+ [With VQ37VHR engine]
78	G	TO
78	W	GA 2+ [With VQ25HR engine]
78	BR	GA 2+ [With VQ37VHR engine]
80	BR	O2SR 2 [With VQ25HR engine]
80	P	O2SR 2 [With VQ37VHR engine]
81	R	INJ#3 [With VQ25HR engine]
81	P	INJ#3 [With VQ37VHR engine]
82	V	INJ#6
83	Y	TA 2
84	B	GND-A O2S-TW-TO
85	GR	INJ#2 [With VQ25HR engine]
85	BR	INJ#2 [With VQ37VHR engine]
86	BG	INJ#5 [With VQ25HR engine]
86	W	INJ#5 [With VQ37VHR engine]
87	SB	PSPRES [With VQ25HR engine]
87	Y	PSPRES [With VQ37VHR engine]
88	LG	GND-A-EPHASE
89	L	INJ#1 [With VQ25HR engine]
89	GR	INJ#1 [With VQ37VHR engine]
90	BR	INJ#4 [With VQ25HR engine]
90	O	INJ#4 [With VQ37VHR engine]
91	G	CURSEN [With VQ25HR engine]
91	SB	CURSEN [With VQ37VHR engine]
92	R	GND-A-PHASE#2 [With VQ25HR engine]
92	R	GND-A-PHASE#2 [With VQ37VHR engine]
93	R	BATT [With VQ25HR engine]
93	P	BATT [With VQ37VHR engine]
94	B	GND-A-QA 2 [With VQ25HR engine]
94	Y	GND-A-QA 2 [With VQ37VHR engine]
95	W	GND-A-CURSEN [With VQ25HR engine]
95	G	GND-A-CURSEN [With VQ37VHR engine]
96	BR	GND-A-PHASE#1/PS [With VQ25HR engine and AMD models]
96	P	GND-A-PHASE#1/PS [With VQ37VHR engine and AMD models]

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY

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



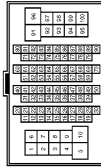
Terminal No.	Color of Wire	Signal Name [Specification]
1A	V	-
2A	G	-
3A	L	-
4A	P	-
5A	L	-
6A	Y	-
7A	R	-
8A	L	-

Connector No.	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	Y	-
5B	LG	-
6B	Y	-
7B	P	-
8B	R	-
9B	SB	-
10B	SB	-

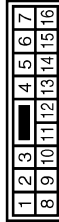
Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TR80MP-CS16-TM4



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	- [With A/T]
44	R	- [With M/T]
45	BG	-
46	G	-
47	L	-
48	P	-
48	L	-

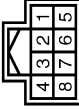
59	B	-
66	Y	-
67	G	-
68	R	-
69	W	-
70	G	-
80	SB	-
81	B	-
82	V	-
83	W	-
84	L	-
85	GR	-
86	G	-
87	R	-
88	B	-
89	LG	-
91	W	-
93	Y	-
95	Y	-
97	GR	-
98	SHIELD	-
99	V	-
100	SB	-

Connector No.	M25
Connector Name	WIRE TO WIRE
Connector Type	NS18MW-CS



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

Connector No.	M40
Connector Name	STEERING LOCK UNIT
Connector Type	TR08FW-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 (GPU)
8	P	S/L CONDITION 2

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	-

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY

Connector No.	M110
Connector Name	PRE-CRASH SEAT BELT CONTROL UNIT
Connector Type	THEORY-T66

Terminal No.	Color of Wire	Signal Name (Specification)
1	P	MOTOR (RH) (RELEASE)
2	W	-B
3	L	MOTOR (RH) (FASTEN)
4	EG	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)

JCMWM9782GB




POWER SUPPLY ROUTING CIRCUIT

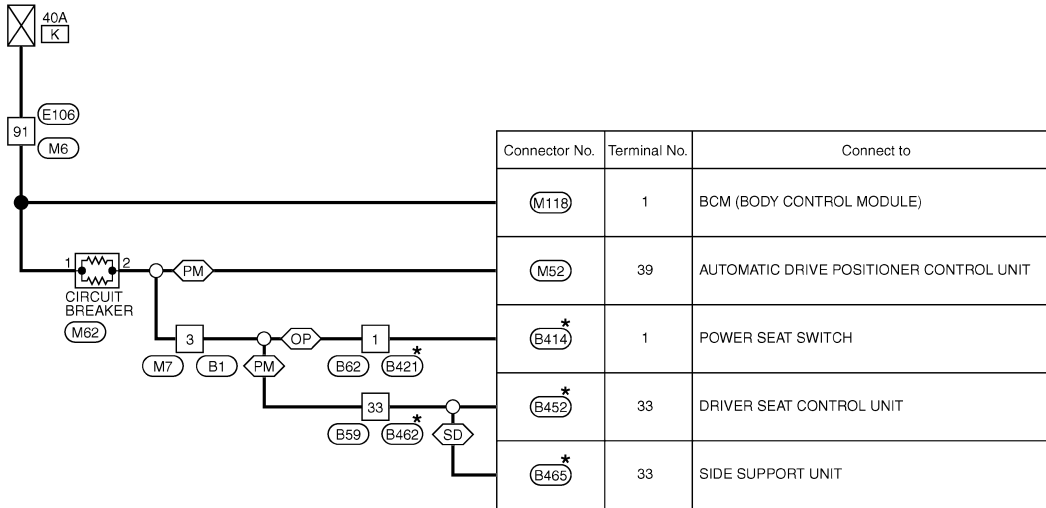
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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

INFOID:000000006207535

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



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

2010/08/18

JCMWM9783GB

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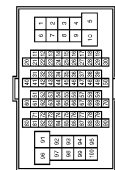
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

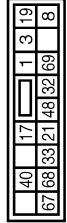
BATTERY POWER SUPPLY FUSIBLE LINK No. K

Connector No.	B1
Connector Name	WIRE TO WIRE
Connector Type	THBDFV-CS16-TM44



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
2	BG	-
3	L	-
4	Y	-
6	R	-
7	P	-
8	W	-
9	LG	[With rear anti-pinch system]
9	GR	[Without rear anti-pinch system]
15	Y	-
16	BR	-
17	LG	-
18	BG	-
20	L	-
21	P	-
22	L	-
23	P	-
24	V	-
25	SB	-
26	G	-
27	W	-
28	R	-
31	V	-
32	SB	-
33	SHIELD	-
34	W	-
35	BR	-
36	Y	-
37	SHIELD	-
38	Y	-
39	SB	-
40	P	-
41	L	-
42	SHIELD	-
43	R	-
44	G	-
45	SHIELD	-
46	SB	-

Connector No.	B39
Connector Name	WIRE TO WIRE
Connector Type	NS1DFW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	BG	-
3	L	-
8	Y	-
17	LG	-
19	P	-
21	Y	-
32	B	-

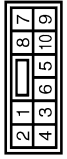
33	L	-
40	BR	-
48	B	-
67	BG	-
68	GR	-
69	R	-

Connector No.	B32
Connector Name	WIRE TO WIRE
Connector Type	MD6FY-LC



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	B	-
14	BG	-
15	GR	-
16	R	-

Connector No.	B414
Connector Name	POWER SEAT SWITCH
Connector Type	NS1DFW-CS



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

10	G/W	-
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Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	B	-
14	R	-
15	L/W	-
16	R/W	-

Connector No.	B452
Connector Name	DRIVER SEAT CONTROL UNIT
Connector Type	NS16FW-CS



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 (BACKWARD)
40	R/W	BAT (FUSE)
42	W/B	SLIDING MOTOR (BACKWARD)
44	P	RECLINING MOTOR (BACKWARD)
45	L/R	FRONT LIFTING MOTOR (UPWARD)
48	B	GND (POWER)

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Terminal No.	Color of Wire	Signal Name [Specification]	Terminal No.	Color of Wire	Signal Name [Specification]
1	L/W	-	48	P	-
3	R/Y	-	49	L	-
8	LG	-	50	B	-
17	Y/R	-	51	GR	-
18	V	-	52	LG	-
21	L/Y	-	53	SB	-
32	B/W	-	54	P	-
33	R	-	55	LG	-
40	R/W	-	56	SB	-
48	B	-	57	P	-
67	R	-	58	GR	-
68	L	-	59	G	-
69	BR/W	-	60	R	-
			61	L	-
			62	Y	-
			63	BR	-
			64	L	-
			65	W	-
			66	GR	-
			67	Y	-
			68	R	-
			69	W	-
			70	G	-
			71	SB	-
			72	V	-
			73	W	-
			74	L	-
			75	GR	-
			76	GR	-
			77	R	-
			78	B	-
			79	LG	-
			80	SB	-
			81	B	-
			82	V	-
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			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	GR	-
			97	GR	-
			98	SHIELD	-
			99	V	-
			100	SB	-

BATTERY POWER SUPPLY FUSIBLE LINK No. K

Connector No.	B462
Connector Name	WIRE TO WIRE
Connector Type	NS16MW-LC



19	3	1	17	40
8	69	32	48	21
				53
				68
				67

Terminal No.	Color of Wire	Signal Name [Specification]
1	L/W	-
3	R/Y	-
8	LG	-
17	Y/R	-
18	V	-
21	L/Y	-
32	B/W	-
33	R	-
40	R/W	-
48	B	-
67	R	-
68	L	-
69	BR/W	-

Connector No.	B465
Connector Name	SIDE SUPPORT UNIT
Connector Type	NS06FW-CS



55	54
33	52
	48

Terminal No.	Color of Wire	Signal Name [Specification]
33	R	-
48	B	-
52	G	-
53	GR	- [With automatic drive positioner]
54	B/R	- [With automatic drive positioner]
55	W/R	- [With automatic drive positioner]
54	V/W	- [With automatic drive positioner]
54	BR	- [With automatic drive positioner]
55	R/L	- [With automatic drive positioner]

48	P	-
49	L	-
50	B	-
51	GR	-
52	LG	-
53	SB	-
54	P	-
55	G	-
56	R	-
57	Y	-
58	BR	-
59	G	-
60	R	-
61	L	-
62	Y	-
63	BR	-
64	L	-
65	W	-
66	GR	-
67	Y	-
68	R	-
69	W	-
70	G	-
71	SB	-
72	V	-
73	W	-
74	L	-
75	GR	-
76	GR	-
77	R	-
78	B	-
79	LG	-
80	SB	-
81	B	-
82	V	-
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	GR	-
97	GR	-
98	SHIELD	-
99	V	-
100	P	-

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS18-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
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Terminal No.	Color of Wire	Signal Name [Specification]
1	BG	-
3	R	-
5	G	-
6	LG	-
7	W	-
9	G	-
10	W	-
11	W	-
12	R	-
13	L	-
14	GR	-
15	P	-
16	W	-
17	SB	-
18	BG	-
19	SB	-
20	LG	-
30	BR	-
31	L	-
32	BG	-
33	P	-
34	V	-
35	W	-
36	SB	-
37	Y	-
38	R	-
39	B	-
40	G	-
41	R	-
42	LG	-
43	G	-
44	GR	-
45	BR	-
46	LG	-
47	V	-

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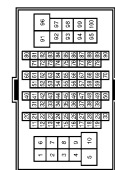
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSIBLE LINK No. K

Connector No.	M7
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS (F-TM4)



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
2	P	-
3	SB	- [With automatic drive positioner]
4	Y	- [Without automatic drive positioner]
6	L	-
7	W	-
8	G	- [With rear anti-pinch system]
8	Y	- [Without rear anti-pinch system]
9	Y	- [With rear anti-pinch system]
9	G	- [Without rear anti-pinch system]
15	R	-
16	BR	-
17	P	-
18	V	-
20	L	-
21	P	-
22	L	-
23	P	-
24	V	-
25	LG	-
26	BR	-
27	EG	-
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	-

LINK No. K

45	SHIELD	-
46	SB	-
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	-
89	L	-
90	P	-
91	EG	-
92	L	-
93	P	-
95	EG	-
96	Y	-
100	P	-

Connector No.	M52
Connector Name	AUTOMATIC DRIVE POSITIONER CONTROL UNIT
Connector Type	NS16FW-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)
38	W	BAT (G/B)

40	B	GND (SIGNAL)
41	Y	GND (SENSOR)
42	BG	TILT MOTOR (DOWNWARD)
44	G	TELESCOPIC MOTOR (BACKWARD)
48	B	GND (POWER)

Connector No.	M62
Connector Name	CIRCUIT BREAKER
Connector Type	M02FW-LC



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	- [With automatic drive positioner]
1	W	- [Without automatic drive positioner]
2	SB	- [With automatic drive positioner]
2	P	- [Without automatic drive positioner]

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

POWER SUPPLY ROUTING CIRCUIT

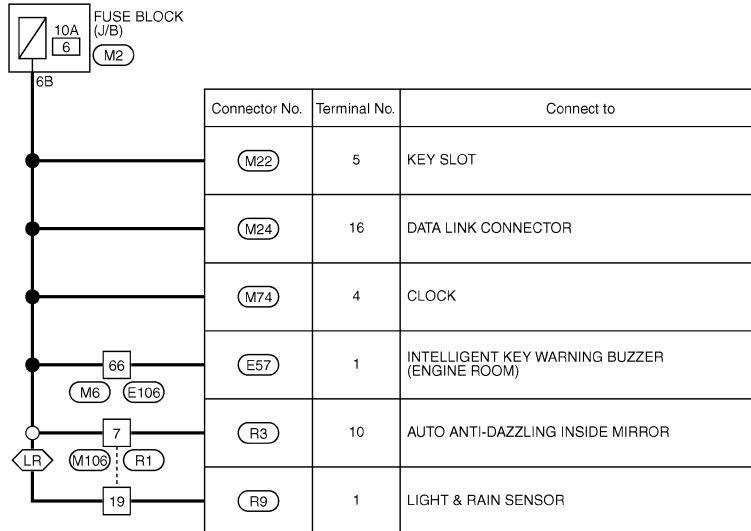
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[POWER SUPPLY & GROUND CIRCUIT]

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

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◊LR◊ : With light & rain sensor



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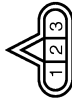
POWER SUPPLY ROUTING CIRCUIT

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[POWER SUPPLY & GROUND CIRCUIT]

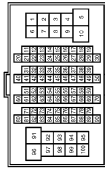
BATTERY POWER SUPPLY FUSE No. 6

Connector No.	E57
Connector Name	INTELLIGENT KEY WARNING BUZZER (ENGINE ROOM)
Connector Type	RK02FER



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

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	Y	-
7	V	-
8	R	-
10	W	-
11	V	-
12	R	-
13	L	-
14	GR	-
15	P	-
16	W	-
17	SB	-
18	BG	-
19	SB	-
20	LG	-
30	BR	-
31	L	-
32	BG	-

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

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



Terminal No.	Color of Wire	Signal Name [Specification]
1B	SB	-
3B	P	-
4B	G	-
5B	BG	-
6B	Y	-
7B	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	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	-
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	TH12FN-NH



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

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

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]
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	TH80FT-NH



1	2	3	4
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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



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

Terminal No.	Color of Wire	Signal Name [Specification]
2	L	
3	SHIELD	
4	G	
5	BR	
6	EG	
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	NH10FN-GS10



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

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

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



5	4	3	2	1
10	9	8	7	6

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

Connector No.	R9
Connector Name	LIGHT & RAIN SENSOR
Connector Type	FA4B03FB



1	2	3
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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

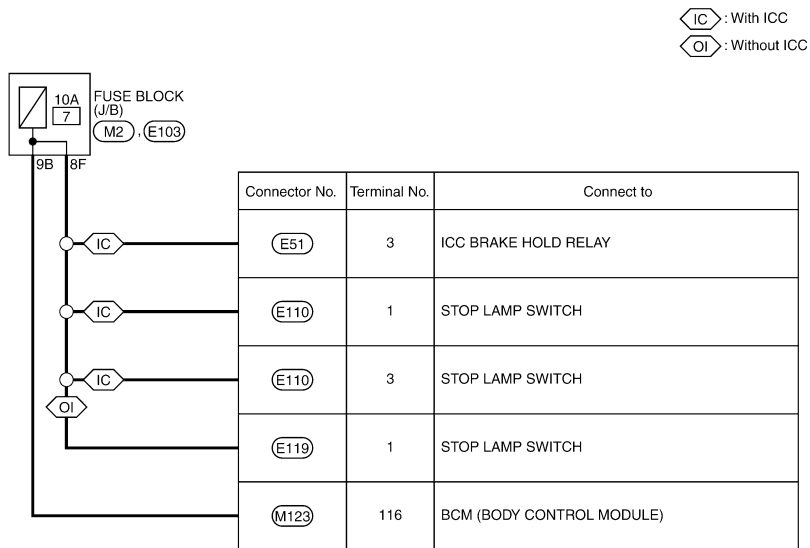
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 7 -

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BATTERY POWER SUPPLY FUSE No. 7



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POWER SUPPLY ROUTING CIRCUIT

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[POWER SUPPLY & GROUND CIRCUIT]

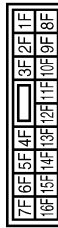
BATTERY POWER SUPPLY FUSE No. 7

Connector No.	E1
Connector Name	ICC BRAKE HOLD RELAY
Connector Type	MS2FL-MZ-LC



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

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



Terminal No.	Color of Wire	Signal Name [Specification]
1F	SB	-
2F	W	-
4F	G	-
8F	BR	-
9F	P	-

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



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

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



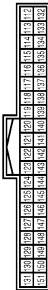
Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	W	-
3	G	-
4	V	-

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



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

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



Terminal No.	Color of Wire	Signal Name [Specification]
112	R	RAIN SENSOR SERIAL LINK
113	BG	OPTICAL SENSOR
114	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 SLOT SW
123	V	IGN F/B
124	R	PASSENGER DOOR SW
129	BG	TRUNK LID OPENER CANCEL SW
132	V	POWER WINDOW SW COMB
133	L	PUSH-BUTTON IGNITION SW ILL POWER LOCK IND
134	LG	RECEIVER / SENSOR GND
137	BG	RECEIVER / SENSOR POWER SUPPLY
138	V	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

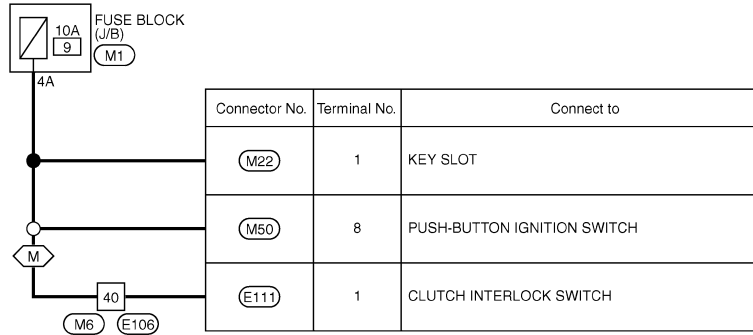
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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

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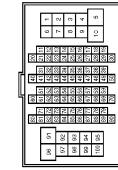
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE No. 9

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



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

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

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



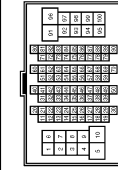
Terminal No.	Color of Wire	Signal Name [Specification]
1	G	
2	GR	

Connector No.	M1
Connector Name	FUSE BLOCK (U/B)
Connector Type	HS8FN-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	
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	
97	GR	
98	SHIELD	
99	V	
100	SB	

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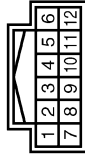
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE No. 9

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



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

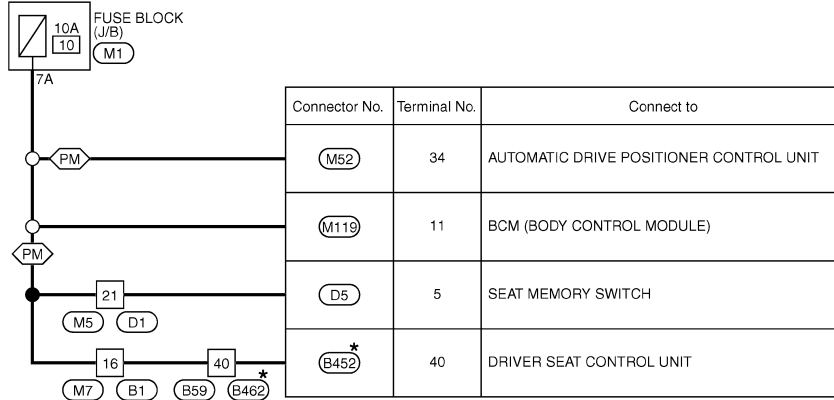
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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

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 : With 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	TH80FW-CS16-TM44



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
2	BG	-
3	L	-
4	Y	-
6	R	-
7	P	-
8	W	-
9	LG	- [With rear anti-pinch system]
9	GR	- [Without rear anti-pinch system]
15	Y	-
16	BR	-
17	LG	-
18	BG	-
20	L	-
21	P	-
22	L	-
23	P	-
24	V	-
25	SB	-
26	G	-
27	W	-
28	R	-
31	V	-
32	SB	-
33	SHIELD	-
34	W	-
35	BR	-
36	Y	-
37	SHIELD	-
38	Y	-
38	SB	-
40	P	-
41	L	-
42	SHIELD	-
43	R	-
44	G	-
45	SHIELD	-
46	SB	-

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

Connector No.	B59
Connector Name	WIRE TO WIRE
Connector Type	NS18FW-CS



40	17	1	3	19			
67	68	33	21	43	32	69	8

Terminal No.	Color of Wire	Signal Name [Specification]
1	BG	-
3	L	-
8	Y	-
17	LG	-
19	P	-
21	Y	-
32	B	-

33	L	-
40	BR	-
48	B	-
67	BG	-
68	GR	-
69	R	-

Connector No.	B452
Connector Name	DRIVER SEAT CONTROL UNIT
Connector Type	NS18FW-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	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 (BACKWARD)
40	R/W	BAT (FUSE)
42	W/B	SLIDING MOTOR (BACKWARD)
44	P	RECLINING MOTOR (BACKWARD)
45	L/R	FRONT LIFTING MOTOR (UPWARD)
48	B	GND (POWER)

Connector No.	B462
Connector Name	WIRE TO WIRE
Connector Type	NS18MW-LG



19	3	1	17	40			
8	69	32	48	21	33	68	67

Terminal No.	Color of Wire	Signal Name [Specification]
1	L/W	-
3	R/Y	-
8	LG	-

17	V/R	-
19	V	-
21	L/Y	-
32	B/W	-
33	R	-
40	R/W	-
48	B	-
67	R	-
68	L	-
69	BR/W	-

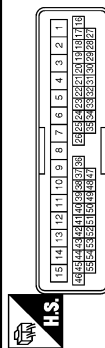
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE No. 10

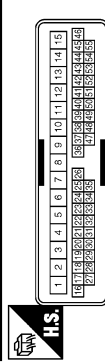
Connector No.	D1
Connector Name	WIRE TO WIRE
Connector Type	TH40FW-CS15



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



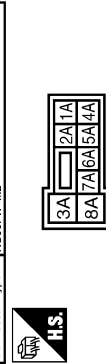
Connector No.	M5
Connector Name	WIRE TO WIRE
Connector Type	TH40MW-CS15



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

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

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

47	L	-
48	GR	-
49	SB	-
50	P	-
51	LG	-
52	V	-

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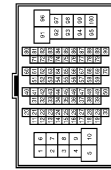
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE No. 10

Connector No.	M7
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-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]
6	L	-
7	W	-
8	G	- [With rear anti-pinch system]
8	Y	- [Without rear anti-pinch system]
9	Y	- [With rear anti-pinch system]
9	G	- [Without rear anti-pinch system]
15	R	-
16	BR	-
17	P	-
18	V	-
20	L	-
21	P	-
22	L	-
23	P	-
24	V	-
25	LG	-
26	BR	-
27	EG	-
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	-
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	-
89	L	-
90	P	-
91	EG	-
92	L	-
93	P	-
95	EG	-
96	Y	-
100	P	-

Connector No.	M52
Connector Name	AUTOMATIC DRIVE POSITIONER CONTROL UNIT
Connector Type	NS16FW-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)
38	W	BAT (G/B)

40	B	GND (SIGNAL)
41	Y	GND (SENSOR)
42	BG	TILT MOTOR (DOWNWARD)
44	G	TELESCOPIC MOTOR (BACKWARD)
48	B	GND (POWER)

Connector No.	MI19
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 LID LOCK OUTPUT
9	G	DRIVER DOOR FUEL LID UNLOCK OUTPUT
10	P	REAR DOOR 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

POWER SUPPLY ROUTING CIRCUIT


< DTC/CIRCUIT DIAGNOSIS >

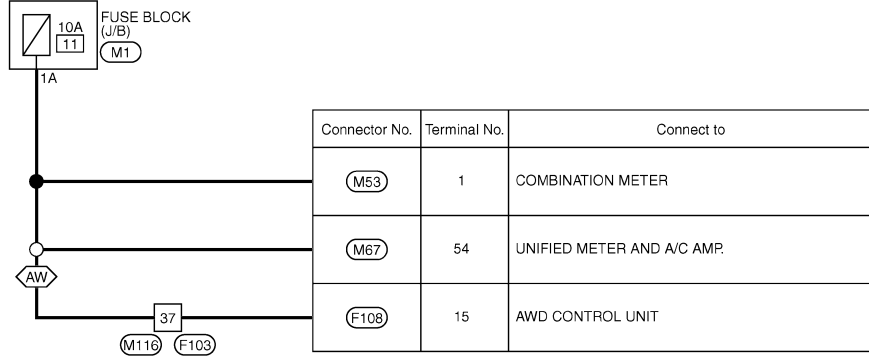
[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 11 -

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BATTERY POWER SUPPLY FUSE No. 11

 : AWD models



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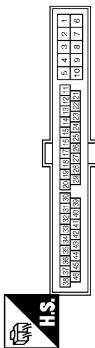
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

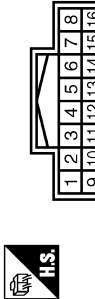
BATTERY POWER SUPPLY FUSE No. 11

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



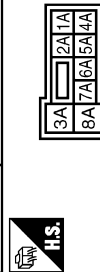
Terminal No.	Color of Wire	Signal Name [Specification]
2	G	-
3	W	-
4	R	-
5	B	-
6	G	-
7	Y	- [With VQ25HR engine]
8	L	- [With VQ25HR engine]
9	GR	- [With VQ25HR engine]
10	EG	- [With VQ37VHR engine]
11	O	- [With VQ37VHR engine]
12	Y	- [With VQ37VHR engine]
13	B	- [With VQ37VHR engine]
14	LG	- [With VQ37VHR engine]
15	Y	- [With VQ37VHR engine]
16	P	- [With VQ37VHR engine]
17	LG	- [With VQ37VHR engine]
18	R	- [With VQ37VHR engine]
19	B	- [With VQ37VHR engine]
20	Y	- [With VQ37VHR engine]
21	LG	- [With VQ37VHR engine]
22	R	- [With VQ37VHR engine]
23	B	- [With VQ37VHR engine]
24	B	- [With VQ37VHR engine]
25	B	- [With VQ37VHR engine]
26	B	- [With VQ37VHR engine]
27	L	- [With VQ37VHR engine]
28	P	- [With VQ37VHR engine]
29	Y	- [With VQ37VHR engine]
30	G	- [With VQ37VHR engine]
31	O	- [With VQ37VHR engine]
32	ER	- [With VQ37VHR engine]
33	P	- [With VQ37VHR engine]
34	L	- [With VQ37VHR engine]
35	Y	- [With VQ37VHR engine]
36	L	- [With VQ37VHR engine]
37	Y	- [With VQ37VHR engine]
38	G	- [With VQ37VHR engine]
39	O	- [With VQ37VHR engine]
40	ER	- [With VQ37VHR engine]
41	P	- [With VQ37VHR engine]
42	L	- [With VQ37VHR engine]
43	Y	- [With VQ37VHR engine]
44	L	- [With VQ37VHR engine]
45	G	- [With VQ37VHR engine]
46	V	- [With VQ37VHR engine]

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



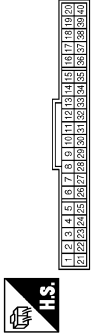
Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	AWD SOL (+)
2	Y	AWD SOL (-)
3	W	OIL TEMP (-)
4	G	IGN
5	L	CAN-H
6	EG	AWD SOL BAT [With VQ25HR engine]
7	O	AWD SOL BAT [With VQ37VHR engine]
8	B	GRD
9	B	GRD
10	B	GRD
11	B	OIL TEMP (-)
12	LG	VB
13	Y	VB
14	P	CAN-L
15	P	CAN-L
16	P	CAN-L

Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS00FW-M2



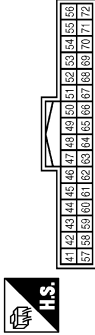
Terminal No.	Color of Wire	Signal Name [Specification]
1A	V	-
2A	G	-
3A	L	-
4A	P	-
5A	L	-
6A	Y	-
7A	R	-
8A	L	-

Connector No.	M53
Connector Name	COMBINATION METER
Connector Type	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)
4	B	GROUND
5	W	ALTERNATOR SIGNAL
6	B	AIR BAG SIGNAL
7	LG	SECURITY SIGNAL
8	W	GROUND
9	BR	METER CONTROL SWITCH GROUND
10	GR	ILL GND
11	B	ILL GND
12	R	ILL
13	G	IGNITION SIGNAL
14	B	GROUND
15	Y	COMMUNICATION SIGNAL (LCD->AMP.)
16	R	COMMUNICATION SIGNAL (AMP->LCD)
17	P	VEHICLE SPEED SIGNAL (8-PULSE)
18	P	PARKING BRAKE SWITCH SIGNAL
19	SB	SEAT BELT BUCKLE SW SIGNAL (DRIVER SIDE)
20	G	SEAT BELT BUCKLE SWITCH SIGNAL (PASSENGER SIDE)
21	L	WASHER LEVEL SWITCH SIGNAL
22	R	ILLUMINATION CONTROL SIGNAL
23	LG	SELECT SWITCH SIGNAL
24	Y	ENTER SWITCH SIGNAL
25	G	TRIP A/B RESET SWITCH SIGNAL
26	P	ILLUMINATION CONTROL SWITCH SIGNAL (-)
27	BG	ILLUMINATION CONTROL SWITCH SIGNAL (+)

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



Terminal No.	Color of Wire	Signal Name [Specification]
41	L	AGC 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 OXYGEN SENSOR SIGNAL
48	W	IGNITION POWER SUPPLY
49	SB	BATTERY POWER SUPPLY
50	B	GROUND
51	L	CAN-H
52	LG	BRAKE FLUID LEVEL SWITCH
53	Y	FUEL LEVEL SENSOR GROUND
54	GR	INTAKE SENSOR GROUND
55	W	IN-VEHICLE SENSOR GROUND
56	B	AMBIENT SENSOR GROUND
57	SB	SUNLOAD SENSOR GROUND
58	L	ION CONTROL MODE OUTPUT SIGNAL
59	BG	ECV SIGNAL
60	P	A/C LAM SIGNAL
61	R	EACH DOOR MOTOR POWER SUPPLY
62	GR	GROUND
63	P	CAN-E

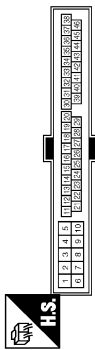
POWER SUPPLY ROUTING CIRCUIT

< 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	-
18	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

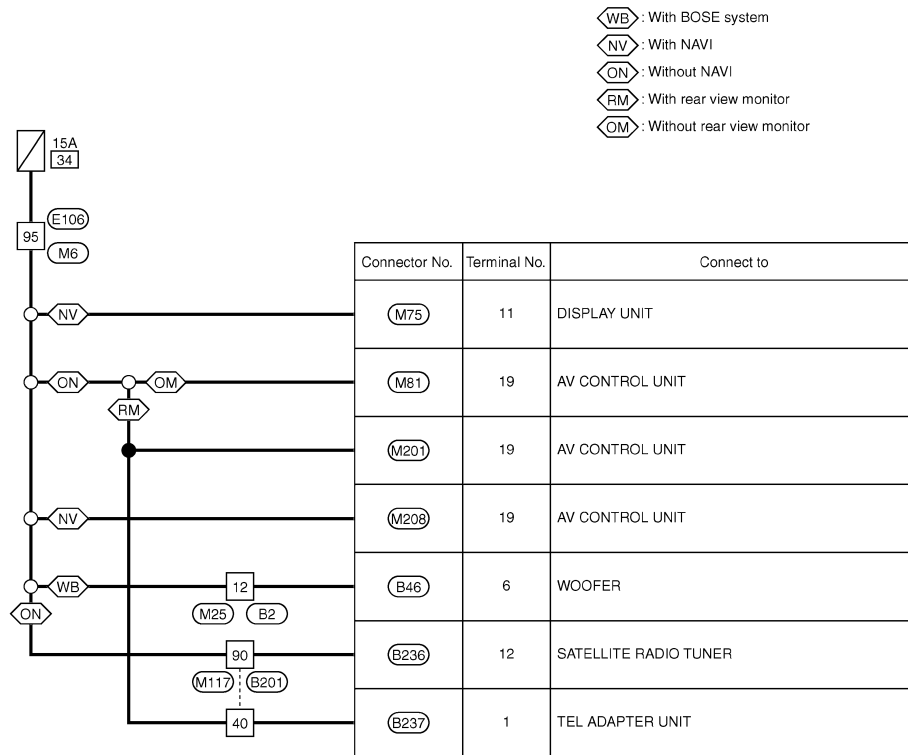
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[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 34 -

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BATTERY POWER SUPPLY FUSE No. 34



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POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

BATTERY POWER SUPPLY FUSE No. 34

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



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

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	LG	-
10	Y	-
11	LG	-
12	P	-
13	GR	-
14	R	-
15	G	-
16	W	-

Connector No.	B46
Connector Name	WOOFER
Connector Type	NS08FB-CS



2	6	
1	4	5

Terminal No.	Color of Wire	Signal Name [Specification]
1	V	SOUND SIGNAL WOOFER (-)
2	SB	SOUND SIGNAL WOOFER (+)
4	GR	WOOFER AMP. ON SIGNAL
5	B	GND
6	P	BATTERY

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



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

2	LG	ACC
3	BG	IGNITION
4	B	GND
5	SHIELD	SHIELD
6	R	MICROPHONE SIGNAL
7	SHIELD	MICROPHONE GND
8	Y	TEL VOICE SIGNAL (+)
9	G	TEL VOICE SIGNAL (-)
10	G	CONTROL SIGNAL
11	B	CONTROL SIGNAL
12	B	VEHICLE SPEED (8-PULSE)
13	W	MICROPHONE VCC
14	G	

93	BR	- [Without rear anti-pinch system]
94	R	-
95	SB	-
96	G	-
97	GR	-
98	BR	-
99	P	-
100	L	-

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



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

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

Connector No.	B237
Connector Name	TEL ADAPTER UNIT
Connector Type	TH52FW-NH



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

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

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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	TH80MW-CS16-TM4



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

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

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



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

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



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

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	-
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	-
97	GR	-
98	SHIELD	-
99	V	-
100	SB	-

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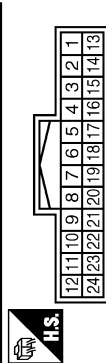
POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

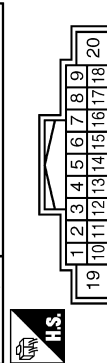
BATTERY POWER SUPPLY FUSE No. 34

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

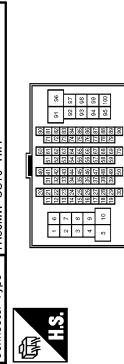
Connector No.	M81
Connector Name	AV CONTROL UNIT
Connector Type	TH18FW-CS2



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
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

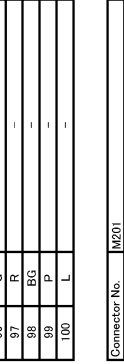
Connector No.	M117
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	--
3	SB	--
5	P	--
6	G	--
7	SB	--
9	LG	--
10	L	--
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	--
71	R	--
72	L	--
80	W	--
81	SHIELD	--
82	P	--
83	L	--
84	G	--
85	SHIELD	--
86	W	--
87	B	--
88	R	--

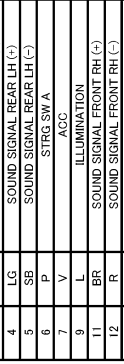
89	G	--
90	V	--
91	V	--
92	BR	-- [With rear anti-pinch system]
92	LG	-- [Without rear anti-pinch system]
93	V	-- [With rear anti-pinch system]
93	W	-- [Without rear anti-pinch system]
94	Y	--
95	G	--
96	G	--
97	R	--
98	BG	--
99	P	--
100	L	--

Connector No.	M201
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 B
16	L	STRG SW GND
19	Y	BATTERY
20	B	GND

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

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POWER SUPPLY ROUTING CIRCUIT

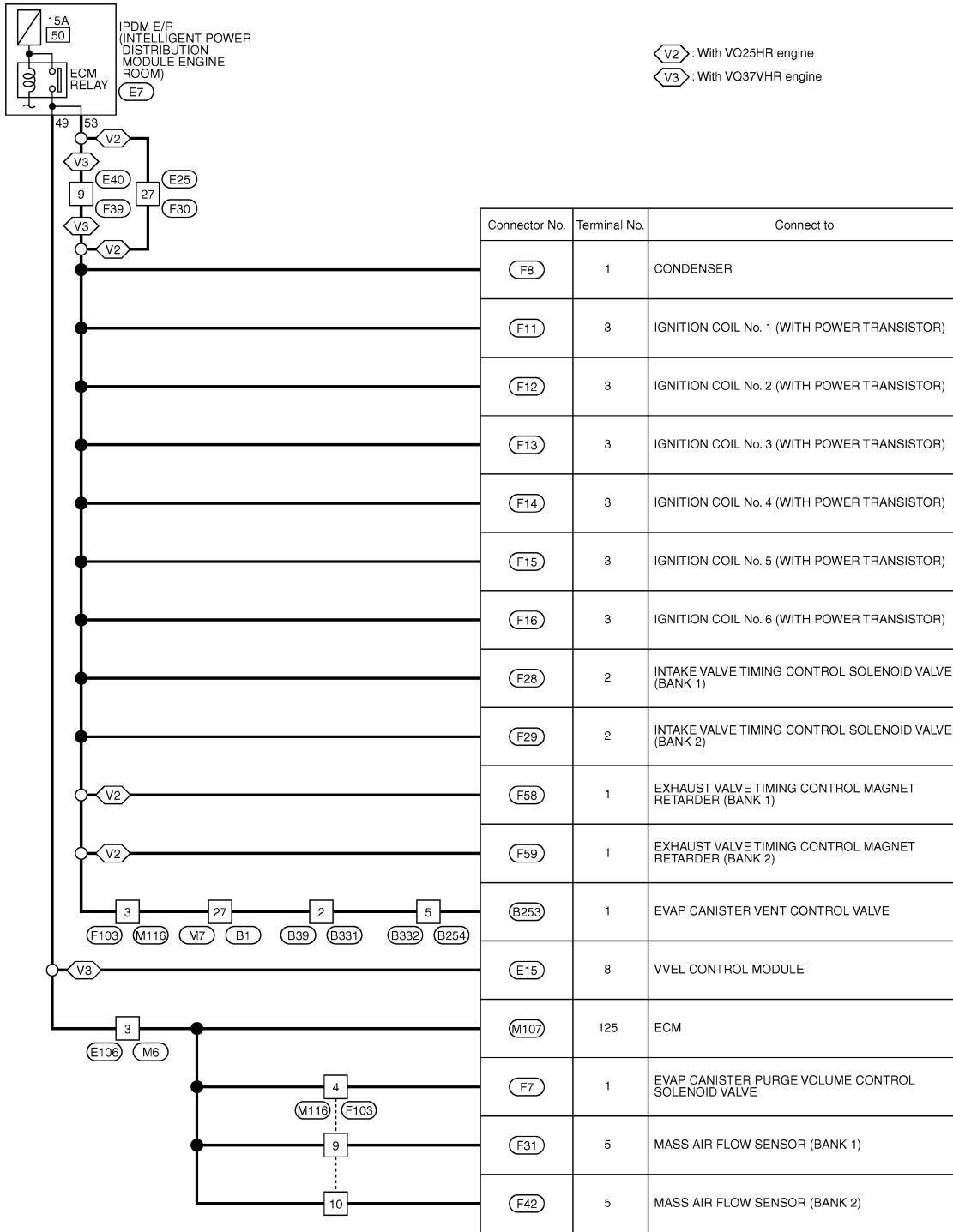
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[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 50 -

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BATTERY POWER SUPPLY FUSE No. 50



2010/08/18

JCMWM9804GB

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	TH80FN-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	
2	EG	
3	L	
4	Y	
5	R	
6	R	
7	R	
8	W	
9	LG	[With rear anti-pinch system]
9	GR	[Without rear anti-pinch system]
15	Y	
16	BR	
17	LG	
18	BG	
20	L	
21	P	
22	L	
23	P	
24	V	
25	SB	
26	G	
27	W	
28	R	
29	R	
31	V	
32	SB	
33	SHIELD	
34	W	
35	BR	
36	Y	
37	SHIELD	
38	Y	
39	SB	
40	P	
41	L	
42	SHIELD	
43	R	
44	G	
45	SHIELD	
46	SB	

55	BR	
56	R	
58	V	
59	SB	
60	BR	
61	W	
62	R	
63	L	
64	Y	
65	SHIELD	
71	BG	
72	GR	
73	P	
74	L	
81	V	
82	B	
84	Y	
85	G	
86	W	
87	R	
88	BR	
89	Y	
90	SB	
92	P	
93	P	
95	BG	
96	Y	
100	GR	

Connector No.	B39
Connector Name	WIRE TO WIRE
Connector Type	NS16FN-CS



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

9	SB	
10	G	

Connector No.	B253
Connector Name	EVAE CANISTER VENT CONTROL VALVE
Connector Type	ED2FB-RS



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

Connector No.	B254
Connector Name	WIRE TO WIRE
Connector Type	RS98MB



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	
2	BR	
3	LG	
5	W	
6	V	

Connector No.	B331
Connector Name	WIRE TO WIRE
Connector Type	NS16MP-CS



Terminal No.	Color of Wire	Signal Name [Specification]
2	W	
3	R	
4	BR	
5	LG	
6	BG	
7	GR	
8	V	
9	SB	
10	G	

Connector No.	B332
Connector Name	WIRE TO WIRE
Connector Type	RS30FB-PR



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	
2	G	
3	SB	
5	W	
6	V	

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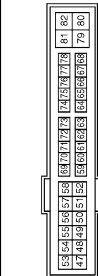
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

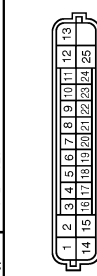
BATTERY POWER SUPPLY FUSE No. 50

Connector No.	E7
Connector Name	30V L6 FUSE/RESISTANT POWER DISTRIBUTION MODULE
Connector Type	THE207W-CS12-M4



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

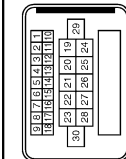
Connector No.	E15
Connector Name	VVEL CONTROL MODULE
Connector Type	RH18FB-AJ26-RH



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	VMOT L
2	L/B	MOTOR L1
3	G	VEL/S-R1
4	W	AGND 1
5	R	VEL/S-L1

6	B	AGND 3
7	SB	AVGC 3
8	BG	VB
9	L/G	AVGC 1
11	GR	CAN-H
12	G	MOTOR R 1
13	Y	V-MOT (R)
14	B/W	PGND L
15	L/Y	MOTOR L 2
16	R	VEL S-R 2
17	L	AGND 2
18	G	VEL S-L 2
19	W	AGND 4
20	BR	AVGC 4
21	V	ABORT
22	P	AVGC 2
23	Y	M-RLY
24	L	CAN-L
25	BR	MOTOR R 2

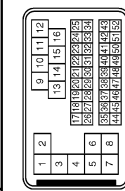
Connector No.	E25
Connector Name	WIRE TO WIRE
Connector Type	SAA18MB-RS10-SJ22



Terminal No.	Color of Wire	Signal Name [Specification]
1	BG	-
2	G	-
3	Y	-
4	BR	-
5	GR	-
10	V	-
11	R	-
12	P	-
13	W	-
14	SB	-
19	BG	-
21	P	-
22	L	-
23	BR	-
24	GR	-
25	Y	-
26	G	-

27	W	-
28	W	-
30	SB	-

Connector No.	E40
Connector Name	WIRE TO WIRE
Connector Type	SAA38MB-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	Y	-
11	P	-
12	SB	-
13	L	-
14	G	-
15	BG	-
16	BR	-
17	P	-
18	Y	-
19	BG	-
20	B	-
21	SB	-
22	W	-
23	L	-
24	GR	-
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	L/G	-
43	G	-
45	GR	-
46	SHIELD	-
47	W	-
48	BR	-
49	G	-
50	B	-
51	SB	-
52	R	-

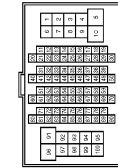
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE No. 50

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



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

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

Connector No.	F7
Connector Name	EVAP CANISTER PURGE VOLUME CONTROL SOLENOID VALVE
Connector Type	E02FL-RS-LGY



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	
2	V	
		[With VQ25HR engine]
		[With VQ37VHR engine]

Connector No.	F8
Connector Name	CONDENSER
Connector Type	IM02FY-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	

2	B	
3	W	

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	GR	
2	B	
3	W	

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE No. 50

Connector No.	F15
Connector Name	IGNITION COIL No. 5 (WITH POWER TRANSISTOR)
Connector Type	ED0FCY-RS



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	- [With VQ25HR engine]
2	B	- [With VQ37VHR engine]
3	W	-

Connector No.	F16
Connector Name	IGNITION COIL No. 6 (WITH POWER TRANSISTOR)
Connector Type	ED0FCY-RS



Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	- [With VQ25HR engine]
2	B	- [With VQ37VHR engine]
3	W	-

Connector No.	F28
Connector Name	INTAKE VALVE TIMING CONTROL SOLENOID VALVE BANK
Connector Type	ED0FCG-RS-LGY



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

Connector No.	F29
Connector Name	INTAKE VALVE TIMING CONTROL SOLENOID VALVE BANK
Connector Type	ED0FCG-RS-LGY



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	- [With VQ25HR engine]
2	R	- [With VQ37VHR engine]

Connector No.	F30
Connector Name	WIRE TO WIRE
Connector Type	SAA18FB-RS10-SJZZ



Terminal No.	Color of Wire	Signal Name [Specification]
1	BG	-
2	G	-
3	GR	-
4	SB	-
5	BG	-
10	V	-
11	R	-
12	R	-
13	W	-
14	Y	-
19	BR	-
21	R	-
22	L	-

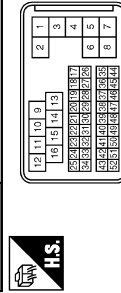
23	Y	-
24	GR	-
25	B	-
26	G	-
27	W	-
28	W	-
29	W	-
30	R	-

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



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
2	Y	- [With VQ25HR engine]
3	L	- [With VQ25HR engine]
4	P	- [With VQ25HR engine]
5	G	- [With VQ25HR engine]
5	Y	- [With VQ37VHR engine]

Connector No.	F39
Connector Name	WIRE TO WIRE
Connector Type	SAA38FB-RS8-SJZ6



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	- [AWD models]
16	Y	- [2WD models]
17	W	-
18	LG	-
19	P	-
20	O	-
21	Y	-
22	G	-
23	Y	-
24	LG	-
25	V	-
27	GR	-
28	BR	-
29	L	-
30	R	-
31	P	-
32	W	-
33	SB	-
34	BR	- [AWD models]
34	O	- [2WD models]
37	B	- [AWD models]
37	SHIELD	- [2WD models]
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	-

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]
1	B	-
2	Y	-
3	W	- [With VQ25HR engine]
4	BR	- [With VQ37VHR engine]
5	L	- [With VQ25HR engine]
6	GR	- [With VQ37VHR engine]

Connector No.	F58
Connector Name	EXHAUST VALVE TIMING CONTROL MAGNET RETARDER (BANK 1)
Connector Type	RSD4FL-B



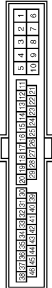
Terminal No.	Color of Wire	Signal Name [Specification]
1	R	POWER
2	SB	EVTGCIL

Connector No.	F69
Connector Name	EXHAUST VALVE TIMING CONTROL MAGNET RETARDER (BANK 2)
Connector Type	RSD4FL-B



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	POWER
2	Y	EVTGCIL

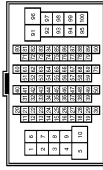
Connector No.	F103
Connector Name	WIRE TO WIRE
Connector Type	TK38FW-NS10



Terminal No.	Color of Wire	Signal Name [Specification]
2	G	-
3	W	-
4	R	-
5	B	-
9	G	- [With VQ25HR engine]
10	Y	- [With VQ37VHR engine]
19	GR	- [With VQ25HR engine]
19	BG	- [With VQ37VHR engine]
20	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	R	- [With A/T]
45	Y	- [With M/T]
46	BG	-
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	-
97	GR	-
98	SHIELD	-
99	V	-
100	SB	-

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	THR00MW-CS18-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	B	-
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	-

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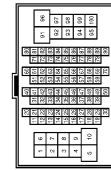
POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

BATTERY POWER SUPPLY FUSE No. 50

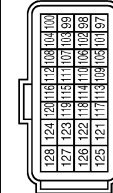
Connector No.	M7
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4



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	W	-
8	G	- [With rear anti-pinch system]
8	Y	- [Without rear anti-pinch system]
9	Y	- [With rear anti-pinch system]
9	G	- [Without rear anti-pinch system]
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	-
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	-
89	L	-
90	P	-
91	BG	-
92	L	-
93	P	-
95	BG	-
96	Y	-
100	P	-

Connector No.	M107
Connector Name	ECM
Connector Type	RM24FCY-R28-R-LH-Z



Terminal No.	Color of Wire	Signal Name [Specification]
97	R	APS 1
98	P	APS 2
99	L	AVCC-APS 1
100	W	GND-APS 1
101	SB	ASGDSW

102	LG	FTRPS
103	GR	AVCC-APS 2
104	V	GND-APS 2
105	L	PDRPRESS
106	W	LT
107	GR	AVCC-FTRPS
108	Y	GND-ASOD
109	G	NEUT-H
110	R	TAGHO
112	V	GND-A
113	P	VEHCAN-L 1
114	L	VEHCAN-H 1
117	V	KLINE
121	LG	DCDV
122	P	BRAKE
123	B	GND
124	B	GND
125	R	VBR
126	BR	BNCSW
127	B	GND
128	B	GND

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



Terminal No.	Color of Wire	Signal Name [Specification]
2	W	-
3	BG	-
4	P	-
5	B	-
9	R	-
10	R	-
19	BG	-
20	Y	-
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	-

POWER SUPPLY ROUTING CIRCUIT

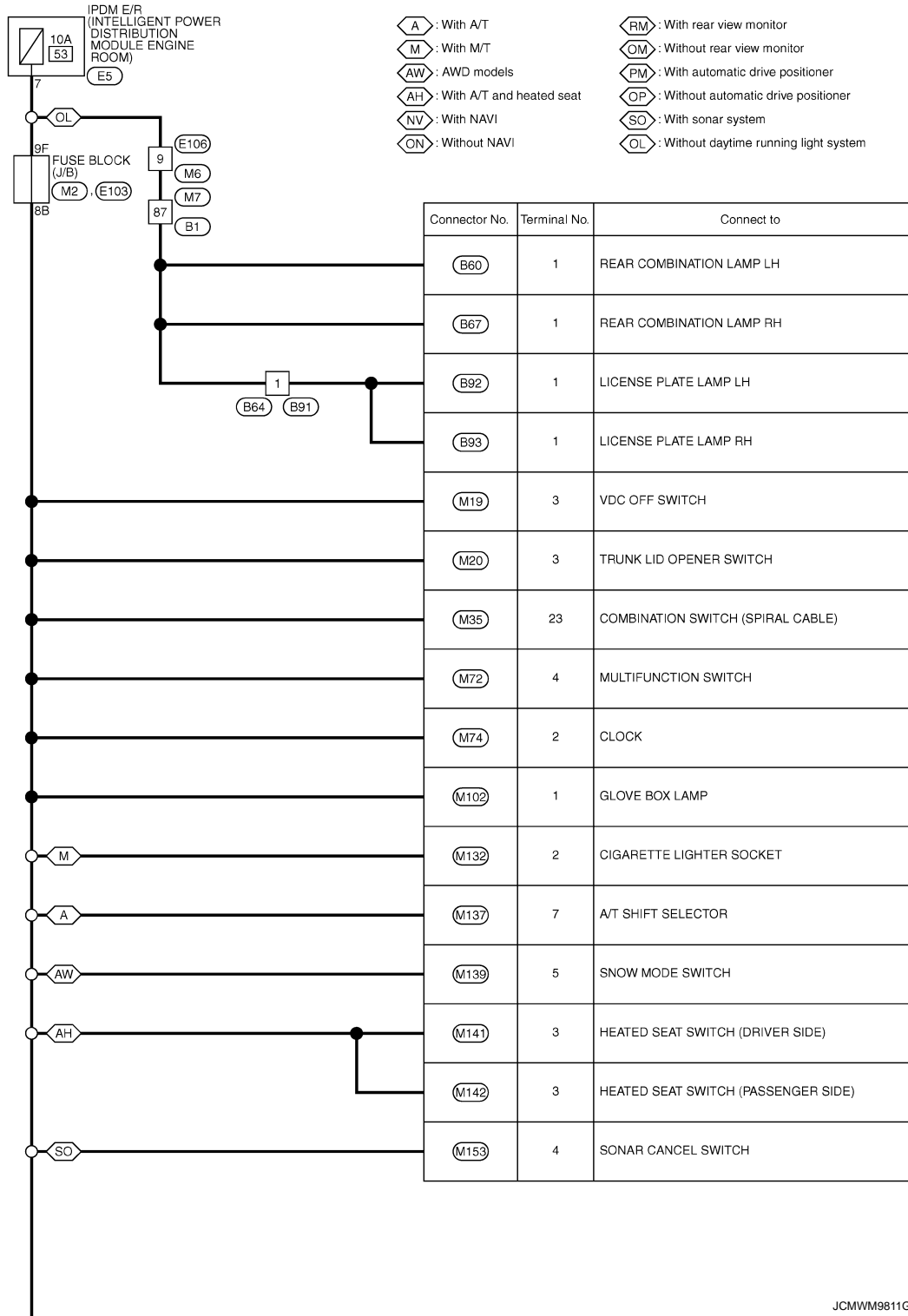
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 53 -

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BATTERY POWER SUPPLY FUSE No. 53



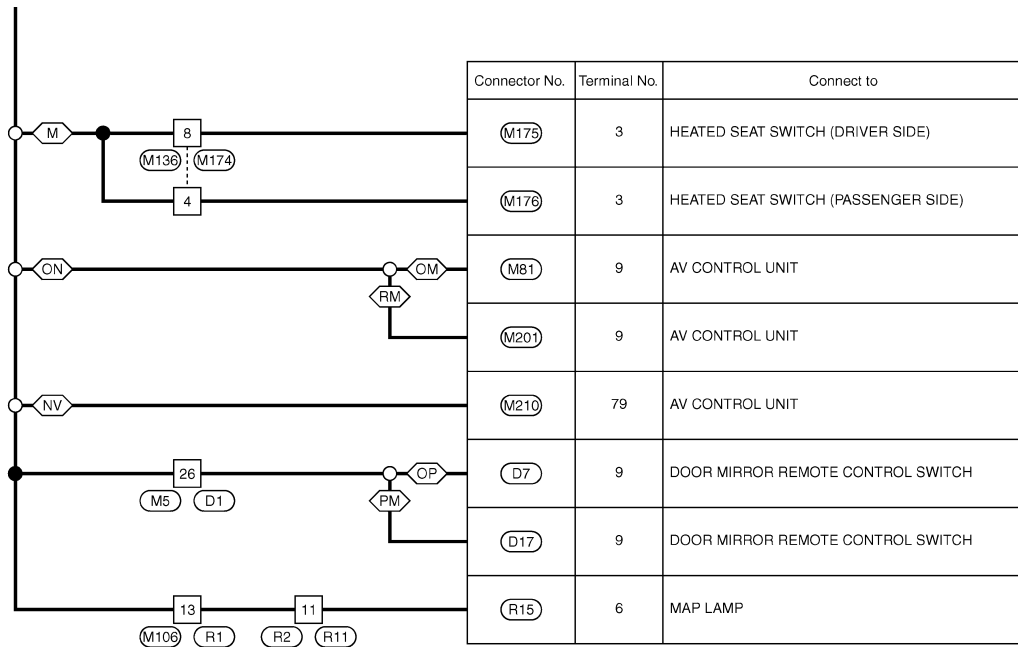
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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]



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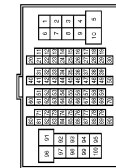
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE No. 53

Connector No.	B1
Connector Name	WIRE TO WIRE
Connector Type	TH80FN-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
2	EG	-
3	L	-
4	Y	-
6	R	-
7	P	-
8	W	-
9	LG	- [With rear anti-pinch system]
9	GR	- [Without rear anti-pinch system]
15	Y	-
16	BR	-
17	LG	-
18	BG	-
20	L	-
21	P	-
22	L	-
23	P	-
24	V	-
25	SB	-
26	G	-
27	W	-
28	R	-
28	R	-
31	V	-
31	V	-
32	SHIELD	-
34	W	-
35	BR	-
36	Y	-
37	SHIELD	-
38	Y	-
39	SB	-
40	P	-
41	L	-
42	SHIELD	-
43	R	-
44	G	-
45	SHIELD	-
46	SB	-

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

Connector No.	B60
Connector Name	REAR COMBINATION LAMP LH
Connector Type	NSM4FW-CS



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

Connector No.	B64
Connector Name	WIRE TO WIRE
Connector Type	FK02FGY



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

Connector No.	B67
Connector Name	REAR COMBINATION LAMP RH
Connector Type	NSM4FW-CS



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

Connector No.	B91
Connector Name	WIRE TO WIRE
Connector Type	FK02MGY



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

1	-	-
2	-	-

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



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

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



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

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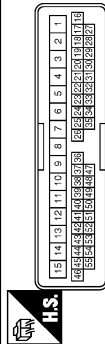
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

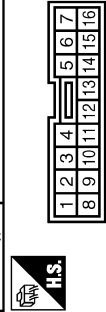
BATTERY POWER SUPPLY FUSE No. 53

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



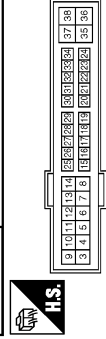
48	R	-	-	-	-
49	SB	-	-	-	-
50	W	-	-	-	-
51	P	-	-	-	-
52	V	-	-	-	-

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



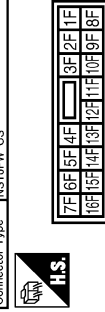
11	LG	-	-	-	-
12	G	-	-	-	-
13	W	-	-	-	-
15	Y	-	-	-	-

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



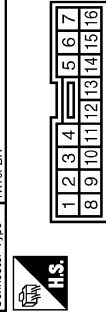
Terminal No.	Color of Wire	Signal Name [Specification]
4	V	-
5	L	-
6	SB	-
7	P	-
11	W	-
12	B/W	-
13	Y	-
16	LG	-
19	R	-
23	G	-
26	Y	-
27	BG	-
28	L	-
30	GR	-
32	V	-
33	P	-
38	G	-

Connector No.	E03
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS16FW-CS



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.	D17
Connector Name	DOOR MIRROR REMOTE CONTROL SWITCH
Connector Type	TK16FBR



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

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

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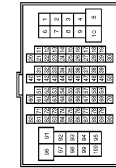
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE No. 53

Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	TH80PV-CS16-TM4



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

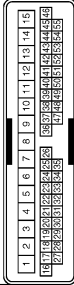
66	GR	-
67	LG	-
68	SB	-
69	P	-
70	G	-
80	R	-
81	P	-
82	G	-
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84	L	-
85	W	-
86	L	-
87	BR	-
88	GR	-
89	V	-
91	W	-
93	GR	-
95	LG	-
97	SB	-
98	SHIELD	-
99	L	-
100	P	-

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



Terminal No.	Color of Wire	Signal Name [Specification]
1B	SB	-
3B	P	-
4B	G	-
5B	EG	-
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	-
5	G	-
6	W	-
7	LG	-
8	SB	-
9	G	-
10	V	-
11	SB	-
12	L	-
13	W	-
14	B	-
15	W	-
16	R	-
17	BR	-
18	V	-
19	BG	-
20	P	-
21	W	-
26	Y	-
28	G	-
29	L	-
29	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	-
48	GR	-
49	SB	-
50	P	-
51	LG	-
52	V	-

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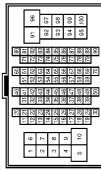
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE No. 53

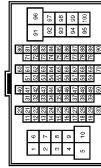
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Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4



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	
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	
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]
4	Y	- [Without automatic drive positioner]
6	L	
7	W	
8	G	- [With rear anti-pinch system]
9	Y	- [Without rear anti-pinch system]
9	Y	- [With rear anti-pinch system]
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	
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	
89	L	
90	P	
91	BG	
92	L	

93	P	
95	BG	
96	Y	
100	P	

Connector No.	M19
Connector Name	VDC OFF SWITCH
Connector Type	TK08FEG



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

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



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

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-EX-1V



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

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



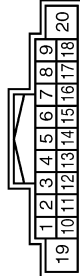
Terminal No.	Color of Wire	Signal Name [Specification]
1	B	GND
2	P	ACC
4	EG	ILL
5	B	ILL CONT
6	SB	AV COMM (H)
8	LG	AV COMM (L)
9	BR	SW GND
14	V	DISK EJECT SIGNAL
16	G	HAZARD ON

Connector No.	M74
Connector Name	CLOCK
Connector Type	TH06FY-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-05Z



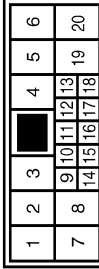
Terminal No.	Color of Wire	Signal Name [Specification]
2	L	SOUND SIGNAL FRONT LH (+)
3	W	SOUND SIGNAL FRONT LH (-)
4	LG	SOUND SIGNAL REAR LH (+)
5	SB	SOUND SIGNAL REAR LH (-)
6	P	STRG SW A
7	V	ACC
9	L	ILLUMINATION
11	BR	SOUND SIGNAL FRONT RH (+)
12	R	SOUND SIGNAL FRONT RH (-)
13	L	SOUND SIGNAL REAR RH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



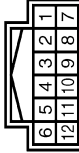
Terminal No.	Color of Wire	Signal Name [Specification]
2	L	-
3	SHIELD	-
4	G	-
5	BR	-
6	EG	-
7	V	-
8	P	-
9	LG	-
10	V	-
11	B	-
12	B	-
13	R	-
15	R	-
16	G	-
17	SHIELD	-
18	B	-
19	Y	-
20	R	-

Connector No.	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.	M138
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	-

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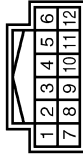
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE No. 53

Connector No.	M137
Connector Name	A/T SHIFT SELECTOR
Connector Type	TH12FW-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



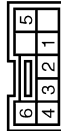
Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	GR	-
4	Y	-
5	P	-
6	B	-

Connector No.	M141
Connector Name	HEATED SEAT SWITCH (DRIVER SIDE)
Connector Type	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	TK08FBR



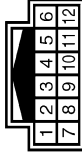
Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
2	SB	-
3	V	-
4	B	-
5	BG	-
6	B	-

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	TH12MV-NH



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

Connector No.	M175
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	W	-
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	GR	-
2	SB	-
3	R	-
4	W	-
5	W	-
6	GR	-

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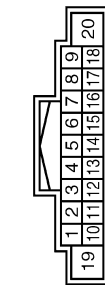
POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

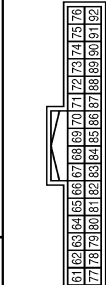
BATTERY POWER SUPPLY FUSE No. 53

Connector No.	M201
Connector Name	AV CONTROL UNIT
Connector Type	TH18PV-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

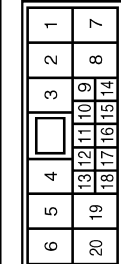
Connector No.	M210
Connector Name	AV CONTROL UNIT
Connector Type	TH22PV-NH



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
78	P	COMM (CONT->DISP)

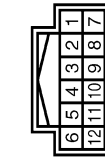
74	P	CAN-L
75	LG	AV COMM (L)
76	LG	AV COMM (L)
79	L	ILLUMINATION
80	G	IGNITION
81	EG	REVERSE
82	R	VEHICLE SPEED (8-PULSE)
83	SHIELD	SHIELD
87	R	MICROPHONE SIGNAL
88	SHIELD	SHIELD
89	L	COMM (DISP->CONT)
90	L	CAN-H
91	SB	AV COMM (H)
92	SB	AV COMM (H)

Connector No.	R1
Connector Name	WIRE TO WIRE
Connector Type	NH10PV-CS10



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

Connector No.	R2
Connector Name	WIRE TO WIRE
Connector Type	TH12PV-NH



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

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



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

Connector No.	R15
Connector Name	MAP LAMP
Connector Type	TK08FGY



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

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POWER SUPPLY ROUTING CIRCUIT

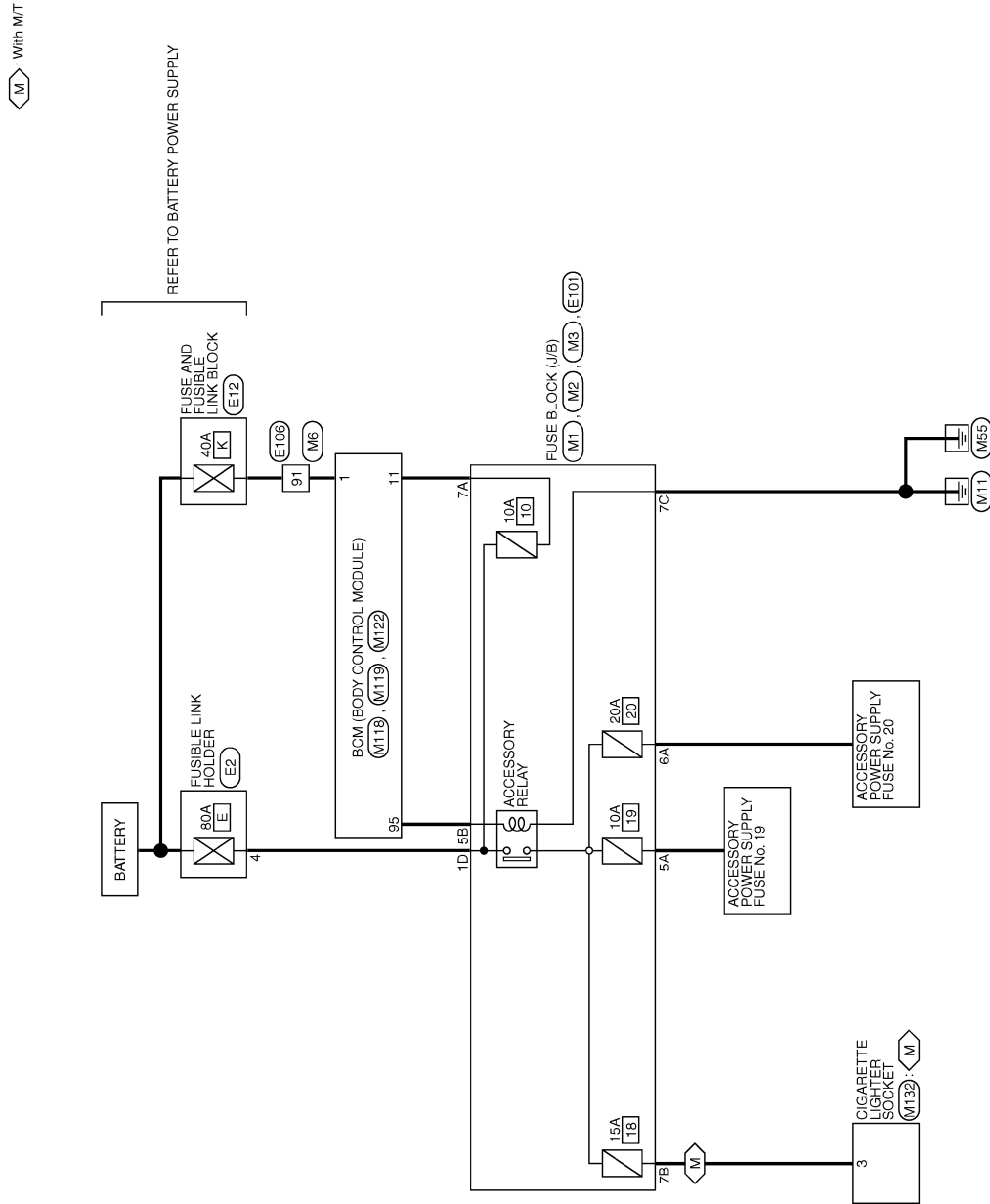
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - ACCESSORY POWER SUPPLY -

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ACCESSORY POWER SUPPLY



2010/08/18

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

ACCESSORY POWER SUPPLY

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



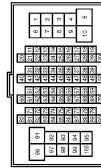
Terminal No.	Color of Wire	Signal Name [Specification]
3	L	
4	R	

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



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

Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	TH01FW-CS16-TM4



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

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

95	LG	
97	SB	
98	SHIELD	
99	L	
100	P	



Connector No.	M1
Connector Name	FUSE BLOCK (J/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	

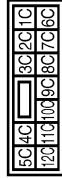
Connector No.	M2
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS10FW-CS



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



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

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POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

ACCESSORY POWER SUPPLY

Connector No.	M5
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS (F-TM4)



Terminal No.	Color of Wire	Signal Name [Specification]
1	BG	-
2	R	-
3	R	-
4	G	-
5	G	-
6	LG	-
7	W	-
8	G	-
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	- [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	-
97	GR	-
98	SHIELD	-
99	V	-
100	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 (BAT)
3	BG	POWER WINDOW POWER SUPPLY (RAP)

Connector No.	M119
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	NS18FW-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
10	P	REAR DOOR UNLOCK OUTPUT
11	R	BAT (F/USE)
13	B	GND
14	W	PUSH-BUTTON IGNITION SW ILL GND
15	BG	ACC IND
17	W	TURN SIGNAL 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 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-
78	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 3
88	BG	COMBI SW INPUT 3
89	BR	PUSH SW
90	P	CAN-L
91	L	CAN-H
92	LG	KEY SLOT ILL
93	GR	ON IND
95	BG	ACC RELAY CONT
96	GR	A/T SHIFT SELECTOR POWER SUPPLY
97	L	S/L CONDITION 1
98	P	S/L CONDITION 2
99	R	SHIFT P (Wth A/T)
100	BR	ASGD CLUTCH SW (Wth M/T)
100	Y	PASSENGER DOOR REQUEST SW
101	P	DRIVER FAN MOTOR RELAY 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

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



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

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

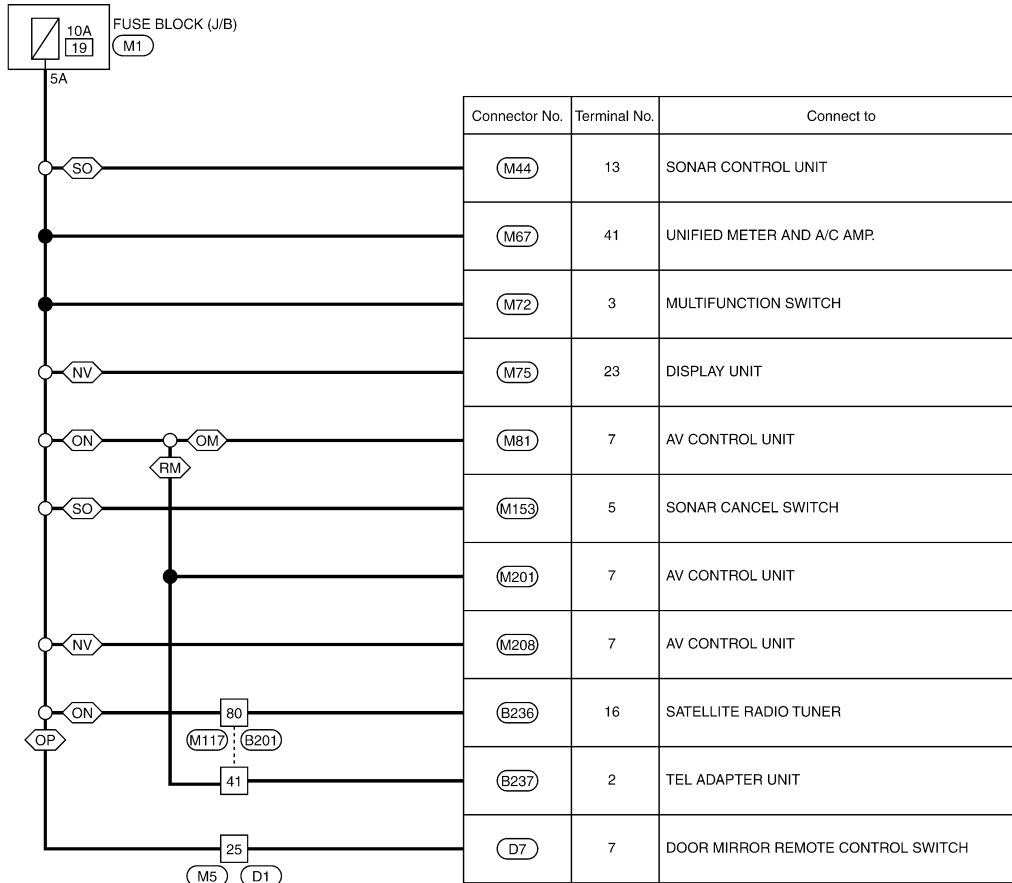
[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - ACCESSORY POWER SUPPLY FUSE No. 19 -

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ACCESSORY POWER SUPPLY FUSE No. 19

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



2009/10/30

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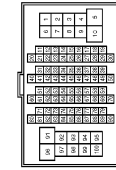
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

ACCESSORY POWER SUPPLY FUSE No. 19

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



Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	-
3	W	-
5	P	-
6	L	-
7	V	-
9	LG	-
10	L	-
31	P	-
32	P	-
33	G	-
34	R	-
41	LG	-
42	BG	-
43	R	-
45	G	-
46	SHIELD	-
47	G	-
48	Y	-
48	SHIELD	-
50	W	-
71	R	-
72	V	-
80	BG	-
81	SHIELD	-
82	G	-
83	P	-
84	L	-
85	SHIELD	-
86	G	-
87	R	-
88	W	-
89	B	-
90	Y	-
91	V	-
92	W	- [With rear anti-pinch system]
92	R	- [Without rear anti-pinch system]
93	BG	- [With rear anti-pinch system]

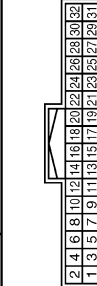
93	BR	- [Without rear anti-pinch system]
94	R	-
95	SB	-
96	C	-
97	GR	-
98	BR	-
99	P	-
100	L	-

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



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	G	REQUEST (SAT->CONT)
9	L	COMM (SAT->SAT)
10	P	COMM (CONT->SAT)
12	Y	BATTERY
16	BG	ACC

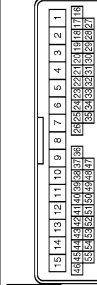
Connector No.	B237
Connector Name	TEL ADAPTER UNIT
Connector Type	TH42FW-NH



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

2	LG	ACC
3	BG	IGNITION
4	B	GND
5	SHIELD	SHIELD
7	R	MICROPHONE SIGNAL
8	SHIELD	MICROPHONE GND
9	Y	TEL VOICE SIGNAL (+)
10	G	TEL VOICE SIGNAL (-)
23	B	CONTROL SIGNAL
24	B	CONTROL SIGNAL
28	W	VEHICLE SPEED (8-PULSE)
29	G	MICROPHONE VCC

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



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

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	HS8FW-MZ



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

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.	M5
Connector Name	WIRE TO WIRE
Connector Type	TH40MW-CS15



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

Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	B	-
3	BG	-
4	V	-
5	G	-
6	W	-
7	LG	-
8	SB	-
9	G	-
10	V	-
11	SB	-
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]
44	L	- [Without automatic drive positioner]
47	L	-
48	GR	-
49	SB	-
50	P	-
51	LG	-
52	V	-

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



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

Terminal No.	Color of Wire	Signal Name [Specification]
1	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	R RANGE SIGNAL
18	V	K LINE
19	SB	AV COMM (H)
20	LG	AV COMM (L)
24	B	GND

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



41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72

Terminal No.	Color of Wire	Signal Name [Specification]
41	L	ACC POWER SUPPLY
42	BR	FUEL LEVEL SENSOR SIGNAL
43	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 ODP/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	LG	ION CONTROL MODE OUTPUT SIGNAL
65	BG	ECV SIGNAL
69	P	A/C LAN SIGNAL
70	R	EACH DOOR MOTOR POWER SUPPLY
71	GR	GROUND
72	P	CAN-L

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



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

Terminal No.	Color of Wire	Signal Name [Specification]
1	B	GND
3	P	AGC
4	BG	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.	M75
Connector Name	DISPLAY UNIT
Connector Type	TH24FW-NH



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

Terminal No.	Color of Wire	Signal Name [Specification]
6	SHIELD	SHIELD
7	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	AGC

JCMWMM9824GB

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

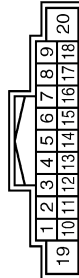
POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

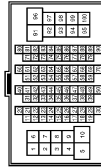
ACCESSORY POWER SUPPLY FUSE No. 19

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
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

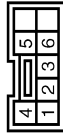
Connector No.	M117
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4



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

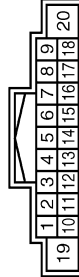
31	SB	-
32	LG	-
33	SB	-
34	LG	-
40	Y	-
41	G	-
42	LG	-
43	R	-
45	G	-
46	SHIELD	-
47	P	-
48	L	-
49	SHIELD	-
50	V	-
71	R	-
72	L	-
80	W	-
81	SHIELD	-
82	P	-
83	L	-
84	G	-
85	SHIELD	-
86	W	-
87	B	-
88	R	-
89	G	-
90	Y	-
91	V	-
92	BR	- [With rear anti-pinch system]
92	LG	- [Without rear anti-pinch system]
93	V	- [With rear anti-pinch system]
93	W	- [Without rear anti-pinch system]
94	Y	-
95	G	-
96	G	-
97	R	-
98	EG	-
99	P	-
100	L	-

Connector No.	M153
Connector Name	SOMAR CANCEL SWITCH
Connector Type	TKGBFW



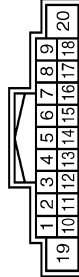
Terminal No.	Color of Wire	Signal Name [Specification]
1	SB	-
2	B	-
3	B	-
4	R	-
5	L	-
6	B	-

Connector No.	M201
Connector Name	AV CONTROL UNIT
Connector Type	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	Y	BATTERY
19	Y	BATTERY
20	B	GND

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



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

POWER SUPPLY ROUTING CIRCUIT

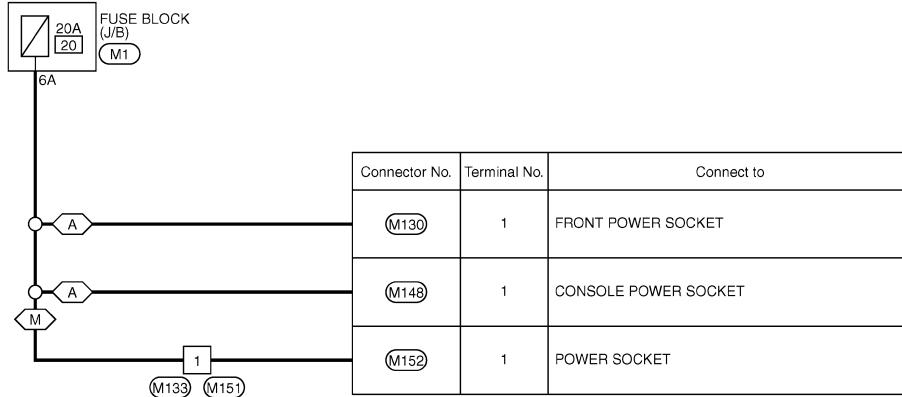
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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

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⬡ : With A/T
⬢ : With M/T



2010/08/18

JCMWM9826GB

A
B
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J
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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	NS08FY-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.	M130
Connector Name	FRONT POWER SOCKET
Connector Type	PO2FB-Z



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

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	PO2FB-Z



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
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	PO2FB-Z



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

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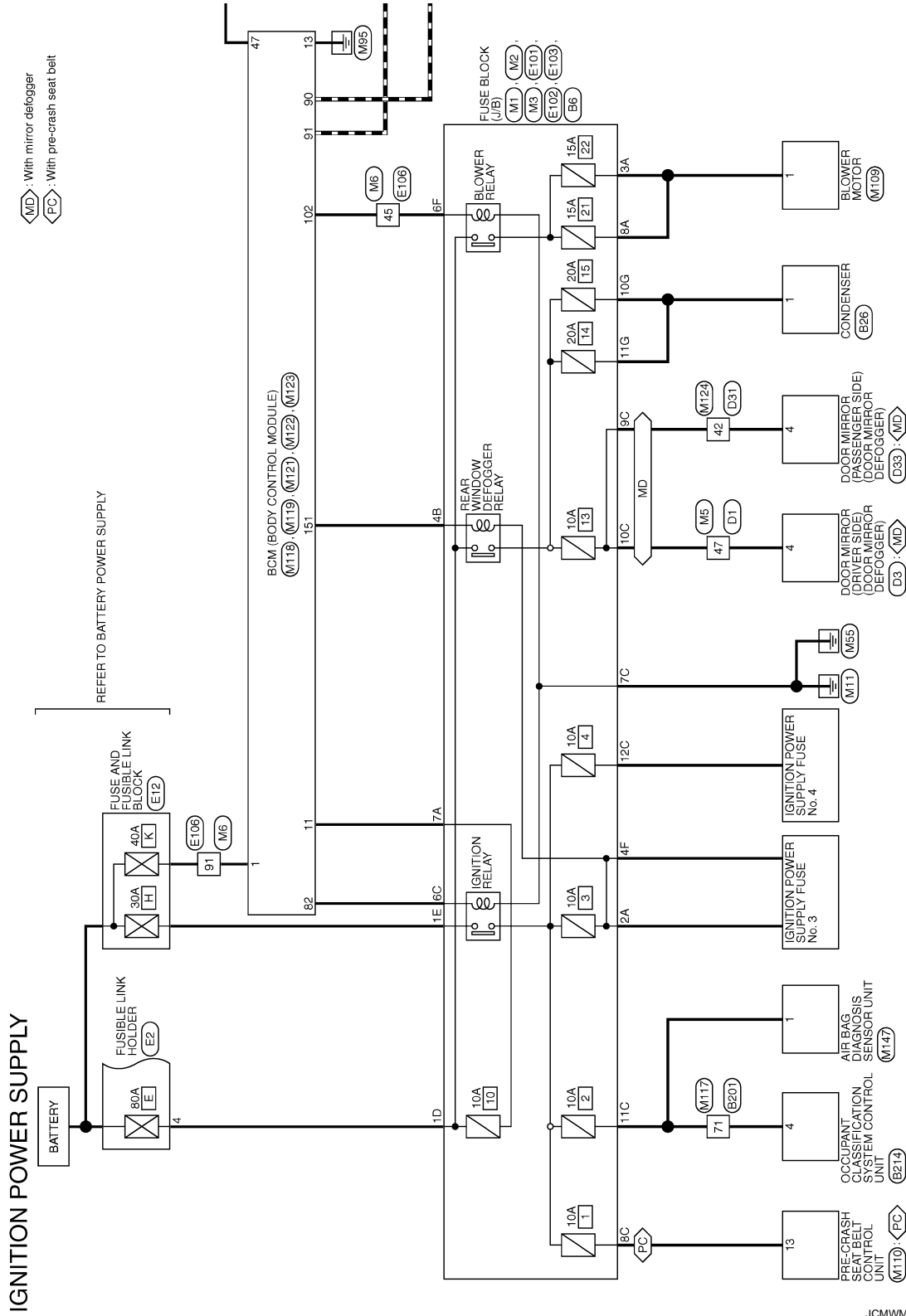
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - IGNITION POWER SUPPLY -

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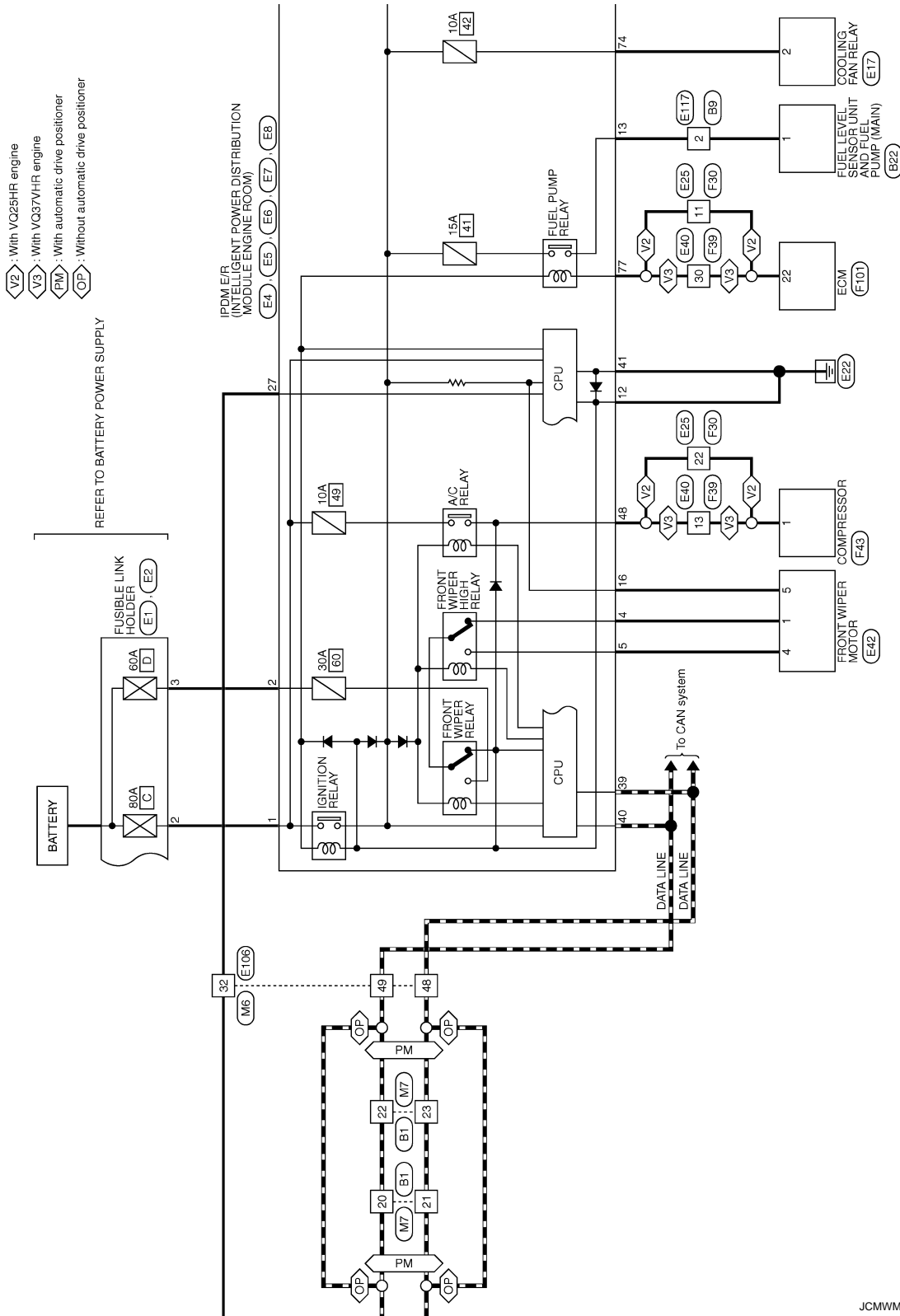
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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]



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POWER SUPPLY ROUTING CIRCUIT

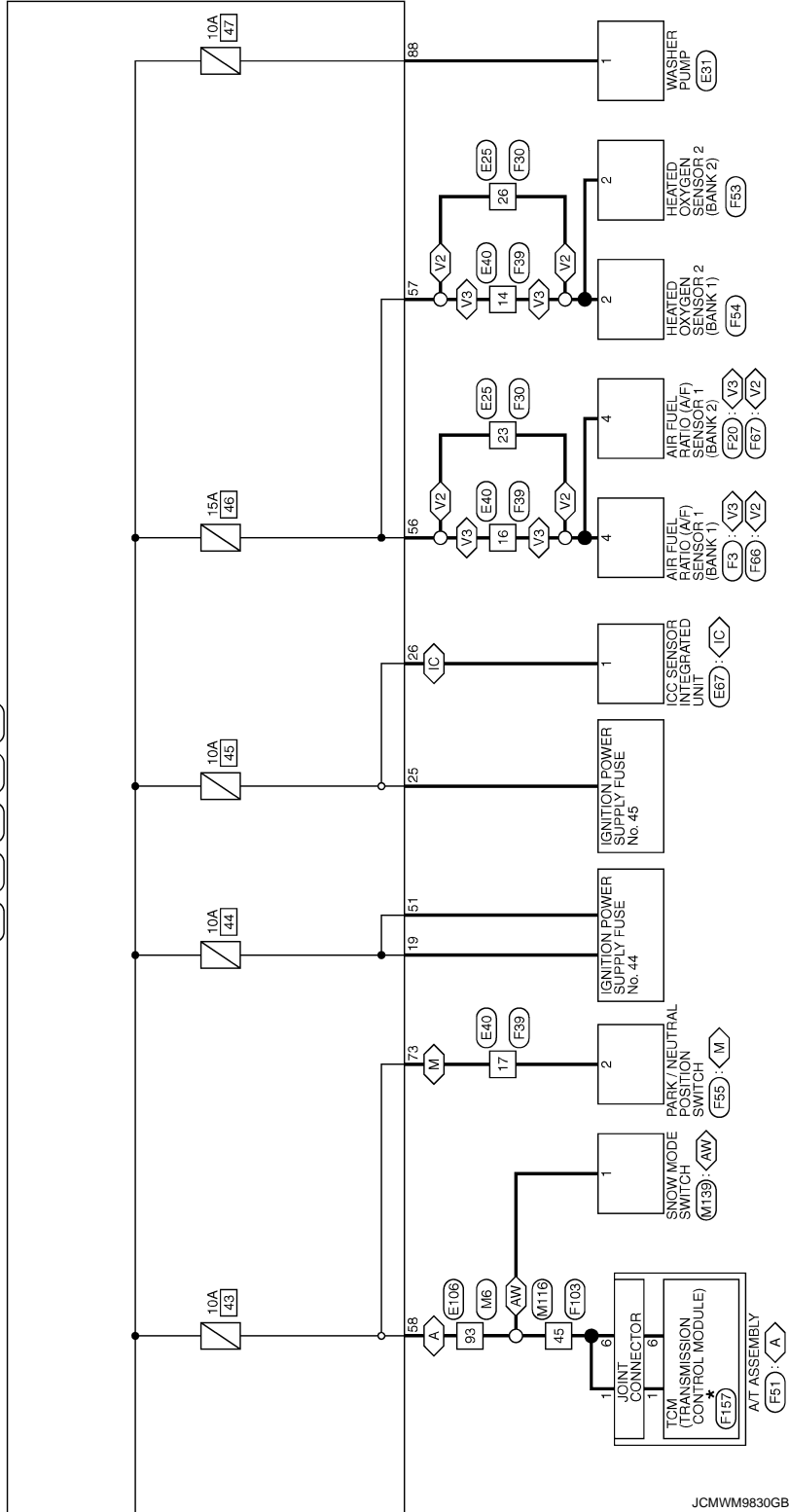
[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

- <A> : With A/T
- <M> : With M/T
- <V2> : With VQ25HR engine
- <V3> : With VQ37VHR engine
- <AW> : AWD models
- <IC> : With ICC

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

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



JCMWM9830GB

A
B
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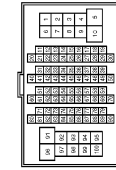
POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

IGNITION POWER SUPPLY

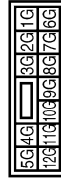
Connector No.	B1
Connector Name	WIRE TO WIRE
Connector Type	THB07V-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
2	BG	-
3	L	-
4	Y	-
6	R	-
7	P	-
8	W	-
9	LG	[With rear anti-pinch system]
9	GR	- [Without rear anti-pinch system]
15	Y	-
16	BR	-
17	LG	-
18	BG	-
20	L	-
21	P	-
22	L	-
23	P	-
24	V	-
25	SB	-
26	G	-
27	W	-
28	R	-
31	V	-
32	SB	-
33	SHIELD	-
34	W	-
35	BR	-
36	Y	-
37	SHIELD	-
38	Y	-
38	SB	-
40	P	-
41	L	-
42	SHIELD	-
43	R	-
44	G	-
45	SHIELD	-
46	SB	-

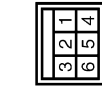
55	BR	-
56	R	-
58	V	-
59	SB	-
60	BR	-
61	W	-
62	R	-
63	L	-
64	Y	-
65	SHIELD	-
71	BG	-
72	GR	-
73	P	-
74	L	-
81	V	-
82	B	-
84	Y	-
85	G	-
86	W	-
87	R	-
88	BR	-
89	Y	-
90	SB	-
91	BG	-
92	BR	-
93	P	-
95	BG	-
96	Y	-
100	GR	-

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



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

Connector No.	B9
Connector Name	WIRE TO WIRE
Connector Type	M06FW-LC



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

Connector No.	B22
Connector Name	FUEL LEVEL SENSOR UNIT AND FUEL PUMP (MAIN)
Connector Type	E06FGY-RS



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

Connector No.	B26
Connector Name	CONDENSER
Connector Type	M01FW-LC



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

JCMWM9831GB

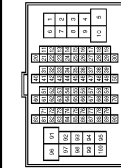
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY

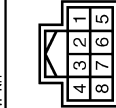
Connector No.	B201
Connector Name	WIRE TO WIRE
Connector Type	TH40FW-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	-
3	W	-
5	P	-
6	L	-
7	V	-
8	LG	-
10	L	-
31	L	-
32	P	-
33	G	-
34	R	-
40	GR	-
41	LG	-
42	BG	-
43	R	-
45	G	-
46	SHIELD	-
47	G	-
48	Y	-
49	SHIELD	-
50	W	-
71	R	-
72	V	-
80	BG	-
81	SHIELD	-
82	G	-
83	P	-
84	L	-
85	SHIELD	-
86	G	-
87	R	-
88	W	-
89	B	-
90	Y	-
91	V	-
92	W	- [With rear anti-pinch system]
92	R	- [Without rear anti-pinch system]
93	BG	- [With rear anti-pinch system]
		- [Without rear anti-pinch system]

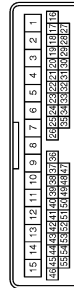
93	BR	- [Without rear anti-pinch system]
94	R	-
95	SB	-
96	G	-
97	GR	-
98	BR	-
99	P	-
100	L	-

Connector No.	B214
Connector Name	OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT
Connector Type	TH40FW-NH



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

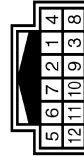
Connector No.	D1
Connector Name	WIRE TO WIRE
Connector Type	TH40FW-CS15



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

10	LG	-
11	BR	-
12	L	-
13	W	-
14	G	-
15	R	-
16	GR	-
17	L	-
18	BR	-
19	BG	-
20	P	-
21	R	-
25	V	-
26	R	-
27	BR	-
28	W	-
28	Y	-
30	G	-
31	LG	-
32	GR	-
33	B	-
35	W	-
37	P	-
38	V	-
39	BR	-
42	G	-
43	GR	-
44	BG	-
47	V	-
48	R	-
49	SB	-
50	W	-
51	P	-
52	V	-

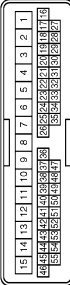
Connector No.	D3
Connector Name	DOOR MIRROR (DRIVER SIDE)
Connector Type	TH12MW-NH



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

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

Connector No.	D31
Connector Name	WIRE TO WIRE
Connector Type	TH40FW-CS15



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

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY

Connector No.	D33
Connector Name	DOOR MIRROR (PASSENGER SIDE)
Connector Type	TH2MW-NH



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

Connector No.	E1
Connector Name	FUSIBLE LINK HOLDER
Connector Type	L02FER-MC



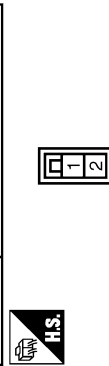
Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	W	-

Connector No.	E2
Connector Name	FUSIBLE LINK HOLDER
Connector Type	L02FY-MC



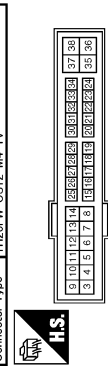
Terminal No.	Color of Wire	Signal Name [Specification]
3	L	-
4	R	-

Connector No.	E4
Connector Name	ENGINE IN INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	L02FB-MC



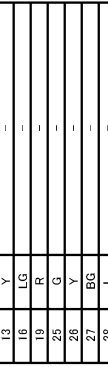
Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	L	-

Connector No.	E5
Connector Name	ENGINE IN INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	TH2DFW-CS12-M4-IV



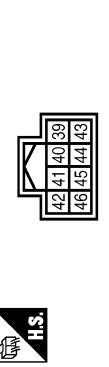
Terminal No.	Color of Wire	Signal Name [Specification]
4	V	-
5	L	-

6	SB	-
7	P	-
11	W	-
12	B/W	-
13	V	-
16	LG	-
19	R	-
25	G	-
28	Y	-
27	BG	-
28	L	-
30	GR	-
32	V	-
33	P	-
36	G	-



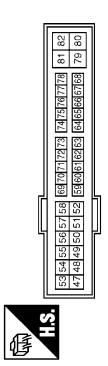
Terminal No.	Color of Wire	Signal Name [Specification]
48	L	-
49	BG	-
51	Y	-
53	W	-
54	P	-
55	SB	-
56	BR	-
57	G	-
58	GR	-
69	BR	-
70	BG	-
73	P	-
74	G	-
75	SB	-
76	Y	-
77	R	-
80	W	-

Connector No.	E6
Connector Name	ENGINE IN INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	TH08FW-NH



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

Connector No.	E7
Connector Name	ENGINE IN INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	TH2DFW-CS12-M4



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

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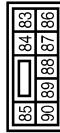
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY

Connector No.	E8
Connector Name	SWAYE IN INTELLIGENT POWER DISTRIBUTION MODULE PLUG BOARD
Connector Type	NS08FW-CS



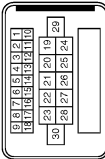
Terminal No.	Color of Wire	Signal Name [Specification]
83	R	-
84	V	-
86	W	-
87	L	-
88	G	-
89	BR	-
90	P	-

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



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

Connector No.	E25
Connector Name	WIRE TO WIRE
Connector Type	SAA18MB-RS10-S1Z2



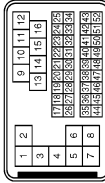
Terminal No.	Color of Wire	Signal Name [Specification]
1	BG	-
2	G	-
3	Y	-
4	BR	-
5	GR	-
10	V	-
11	R	-
12	P	-
13	W	-
14	SB	-
19	BG	-
21	P	-
22	L	-
23	BR	-
24	GR	-
25	Y	-
26	G	-
27	W	-
29	W	-
30	SB	-

Connector No.	E31
Connector Name	WASHER PUMP
Connector Type	E02FGY-RS



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

Connector No.	E40
Connector Name	WIRE TO WIRE
Connector Type	SA438MB-RS6-S1Z6



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	L	-
14	G	-
15	BG	-
16	BR	-
17	P	-
18	Y	-
19	BG	-
20	B	-
21	SB	-
22	W	-
23	L	-
24	GR	-
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	GR	-
46	SHIELD	-
47	W	-
48	BR	-
49	G	-
50	B	-
51	SB	-
52	R	-

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



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

Connector No.	E67
Connector Name	ICC SENSOR INTEGRATED UNIT
Connector Type	RS08FB-FR



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

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY

Connector No.	E101
Connector Name	FUSE BLOCK (J/B)
Connector Type	L01FY-MC



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



Terminal No.	IE	Color of Wire	V	Signal Name [Specification]	-
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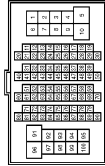
Connector No.	E103
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS16FY-CS



Terminal No.	1F	Color of Wire	SB	Signal Name [Specification]	-
	2F	W	-	-	-
	4F	G	-	-	-
	6F	BR	-	-	-

Terminal No.	8F	L	-	-	-
	9F	P	-	-	-

Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	T1H8FY-CS16-TM4



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

Connector No.	F3
Connector Name	AIR FUEL RATIO (A/F) SENSOR 1 (BANK 1)
Connector Type	FRH04MDGY-BR



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

Connector No.	F20
Connector Name	AIR FUEL RATIO (A/F) SENSOR 1 (BANK 2)
Connector Type	FRH04MDGY-BR



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

Terminal No.	47	V	-	-	-
	48	P	-	-	-
	49	L	-	-	-
	50	B	-	-	-
	60	GR	-	-	-
	67	LG	-	-	-
	68	SB	-	-	-
	69	P	-	-	-
	70	G	-	-	-
	80	R	-	-	-
	81	P	-	-	-
	82	G	-	-	-
	83	V	-	-	-
	84	L	-	-	-
	85	W	-	-	-
	86	L	-	-	-
	87	BR	-	-	-
	88	GR	-	-	-
	89	V	-	-	-
	91	W	-	-	-
	93	GR	-	-	-
	95	LG	-	-	-
	97	SB	-	-	-
	98	SHIELD	-	-	-
	99	L	-	-	-
	100	P	-	-	-

Connector No.	E117
Connector Name	WIRE TO WIRE
Connector Type	M06MW-LC



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

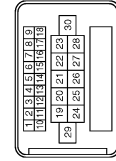
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

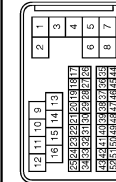
IGNITION POWER SUPPLY

Connector No.	F30
Connector Name	WIRE TO WIRE
Connector Type	SAAI3PE-RS10-SJZ2



Terminal No.	Color of Wire	Signal Name [Specification]
1	BG	-
2	G	-
3	GR	-
4	SB	-
5	BG	-
10	V	-
11	R	-
12	R	-
13	W	-
14	Y	-
19	BR	-
21	R	-
22	L	-
23	Y	-
24	GR	-
25	P	-
26	G	-
27	W	-
29	W	-
30	R	-

Connector No.	F39
Connector Name	WIRE TO WIRE
Connector Type	SAAI3PE-RS5-SHZ8



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

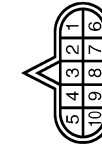
3	L/B	-
4	SHIELD	-
5	BR	-
7	G	-
8	W	-
9	W	-
10	G	-
11	R	-
12	P	-
13	L	-
14	LG	-
15	R	-
16	O	- [AVID models]
17	Y	- [2WD models]
18	W	-
19	LG	-
20	O	-
21	Y	-
22	G	-
23	Y	-
24	LG	-
25	V	-
27	GR	-
28	BR	-
29	L	-
30	R	-
31	P	-
32	W	-
33	SB	-
34	BR	-
34	O	- [AVID models]
37	B	- [2WD models]
37	B	- [AVID models]
37	SHIELD	- [2WD models]
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.	F43
Connector Name	COMPRESSOR
Connector Type	RS01FB



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

Connector No.	F51
Connector Name	A-7 ASSEMBLY
Connector Type	RK10FG-DCY



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	BR	- [With VG25HR engine]
2	R	- [With VG37VHR engine]
3	L	-
4	V	-
5	B	-
6	Y	- [With VG25HR engine]
6	G	- [With VG37VHR engine]
7	R	-
8	P	-
9	GR	-
10	B	-

Connector No.	F63
Connector Name	HEATED OXYGEN SENSOR 2 (BANK 2)
Connector Type	AFZ04FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
2	G	- [With VG25HR engine]
2	LG	- [With VG37VHR engine]
3	LG	- [With VG25HR engine]
3	SR	- [With VG37VHR engine]
4	BR	- [With VG25HR engine]
4	O	- [With VG37VHR engine]

Connector No.	F64
Connector Name	HEATED OXYGEN SENSOR 2 (BANK 1)
Connector Type	AFZ04FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
2	G	- [With VG25HR engine]
2	R	- [With VG37VHR engine]
3	P	-
4	GR	-
4	W	- [With VG25HR engine]
4	W	- [With VG37VHR engine]

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POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

IGNITION POWER SUPPLY

Connector No.	F65
Connector Name	PARK / NEUTRAL POSITION SWITCH
Connector Type	RK02FB



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

Connector No.	F66
Connector Name	AIR FUEL RATIO (A/F) SENSOR 1 (BANK 1)
Connector Type	RH04MLGY



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

Connector No.	F67
Connector Name	AIR FUEL RATIO (A/F) SENSOR 1 (BANK 2)
Connector Type	RH04MLGY



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

1	V	-
2	LG	-
3	W	-
4	Y	-

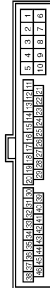
Connector No.	F101
Connector Name	ECM
Connector Type	RH40FB-RZ8-L-LH-Z



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	AFH 1 [With VQ25HR engine]
2	W	AFH 1 [With VQ37VHR engine]
3	P	MOTOR 1-B 1 [With VQ25HR engine]
4	R	MOTOR 1-B 1 [With VQ37VHR engine]
5	Y	MOTOR 2-B 1 [With VQ25HR engine]
6	BR	MOTOR 2-B 1 [With VQ37VHR engine]
7	SB	AFH 2 [With VQ37VHR engine and AWD models]
8	B	AFH 2 [Except for VQ37VHR engine and AWD models]
9	Y	EVTCH1
10	Y	EVTCH2
11	GR	GND
12	GR	IGNH3
13	L	IGNH4
14	LG	IGNH5 [With VQ25HR engine]
15	V	IGNH5 [With VQ37VHR engine]
16	G	IGNH2
17	P	GZHR 1
18	W	CVTCH1
19	BR	IGNH6 [With VQ25HR engine]
20	SB	IGNH6 [With VQ37VHR engine]
21	V	EVAP [With VQ25HR engine]
22	R	EVAP [With VQ37VHR engine]
23	R	FPR
24	P	SSOFF [With VQ25HR engine]
25	SB	SSOFF [With VQ37VHR engine]
26	BG	MOTRLY 1-B 1 [With VQ25HR engine]
27	BR	MOTRLY 1-B 1 [With VQ37VHR engine and AWD models]
28	O	MOTRLY 1-B 1 [With VQ37VHR engine and 2WD models]
29	GR	ABORT

29	G	CVTCH2 [With VQ37VHR engine]
30	B	TPS 1-B 1 [With VQ25HR engine]
31	V	TPS 1-B 1 [With VQ37VHR engine]
32	R	TPS 1-B 2
33	LG	OZHR 2 [With VQ25HR engine]
34	SB	OZHR 2 [With VQ37VHR engine]
35	G	TPS 2-B 1 [With VQ25HR engine]
36	B	TPS 2-B 1 [With VQ37VHR engine]
37	W	TPS 2-B 2
38	O	GND-A/MVPRES
39	W	POS
40	O	INTPRES
41	P	MVPRES
42	R	GND-A-TPS-B 1
43	G	AVCC-TPS-B 2
44	W	AVCC-TPS-B 1 [With VQ25HR engine]
45	L	AVCC-TPS-B 1 [With VQ37VHR engine]
46	LG	AVCC-Z/MVPRES
47	Y	AVCC-POS
48	B	GND-POS
		GND-A-TPS-B 2

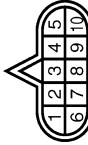
Connector No.	F103
Connector Name	WIRE TO WIRE
Connector Type	TK38FW-NS10



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

33	B	-
34	B	-
35	L	-
36	P	-
37	Y	-
38	G	-
39	O	-
40	O	-
41	O	-
42	BR	-
43	P	-
44	L	-
45	Y	-
46	G	-
		- [With VQ25HR engine]
		- [With VQ37VHR engine]

Connector No.	F157
Connector Name	TOM (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

JCMWM9837GB

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	NS8FW-M2



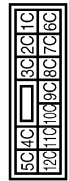
Terminal No.	Color of Wire	Signal Name [Specification]
1A	V	
2A	G	
3A	L	
4A	P	
5A	L	
6A	Y	
7A	R	
8A	L	

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



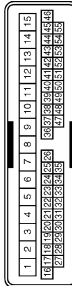
Terminal No.	Color of Wire	Signal Name [Specification]
1B	SB	
2B	P	
3B	G	
4B	EG	
5B	Y	
6B	R	
7B	P	
8B	R	
9B	SB	
10B	SB	

Connector No.	M3
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS12FT-CS



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

Connector No.	M5
Connector Name	WIRE TO WIRE
Connector Type	TH46MW-CS15



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

16	R	
17	BR	
18	V	
19	EG	
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]
44	L	- [Without automatic drive positioner]
47	L	
48	GR	
49	SB	
50	P	
51	LG	
52	V	

JCMWM9838GB

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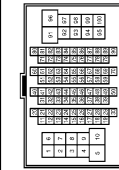
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY

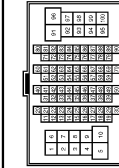
Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4



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	-
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	-
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	-
7	W	-
8	G	- [With rear anti-pinch system] - [Without rear anti-pinch system]
9	Y	- [With rear anti-pinch system] - [Without rear anti-pinch system]
9	G	-
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	-
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	-
89	L	-
90	P	-
91	BG	-
92	L	-

93	P	-
95	BG	-
96	V	-
100	P	-

Connector No.	M109
Connector Name	BLOWER MOTOR
Connector Type	NS303FW-M3



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

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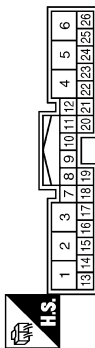
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

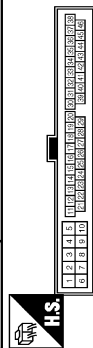
IGNITION POWER SUPPLY

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



Terminal No.	Color of Wire	Signal Name [Specification]
1	P	MOTOR (RH) (RELEASE)
2	W	-B
3	L	MOTOR (RH) (FASTEN)
4	EG	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)

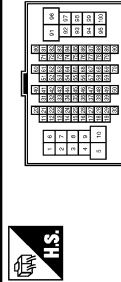
Connector No.	M116
Connector Name	WIRE TO WIRE
Connector Type	TK38MW-NS.0



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

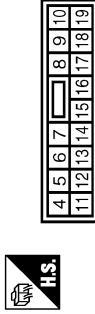
10	R	-
19	EG	-
20	Y	-
28	B	-
29	LG	-
30	LG	-
31	W	-
33	B	-
34	B	-
35	L	-
36	P	-
37	R	-
38	SB	-
41	BG	-
42	G	-
43	P	-
44	L	-
45	Y	-
46	SB	-

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



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
3	SB	-
5	P	-
6	G	-
7	SB	-
9	LG	-
10	L	-
31	SB	-
32	LG	-
33	SB	-
34	LG	-
40	Y	-
41	G	-
42	LG	-
43	R	-
45	G	-
46	SHIELD	-

Connector No.	M119
Connector Name	BGM (BODY CONTROL MODULE)
Connector Type	NS.6PW-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 LOCK OUTPUT
10	P	REAR DOOR 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

47	P	-
48	L	-
49	SHIELD	-
50	V	-
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	-
92	BR	- [With rear anti-pinch system]
93	LG	- [Without rear anti-pinch system]
94	W	- [With rear anti-pinch system]
94	Y	- [Without rear anti-pinch system]
95	G	-
96	G	-
97	R	-
98	BG	-
99	P	-
100	L	-

Connector No.	M118
Connector Name	BGM (BODY CONTROL MODULE)
Connector Type	M03EP-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 (RAP)

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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	31	32
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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+
47	Y	IGN RELAY (RDM E/R) CONT
50	EG	TRUNK ROOM LAMP SW
52	R	STARTER RELAY CONT
61	SB	TRUNK LID OPENER REQUEST SW
64	G	I-KEY WARN BUZZER (ENG ROOM)
67	GR	TRUNK LID OPENER SW
68	EG	REAR RH DOOR SW
69	L	REAR LH DOOR 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	31	32
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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 4
109	W	COMBI SW INPUT 2
110	G	HAZARD SW
111	Y	S/L UNIT COMM

Connector No.	M123
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	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	31	32
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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 SLOT SW
123	V	IGN F/B
124	R	PASSENGER DOOR SW
128	EG	TRUNK LID OPENER CANCEL SW
132	V	POWER WINDOW SW COMM

133	L	PUSH-BUTTON IGNITION SW ILL POWER
134	LG	LOCK IND
137	BG	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

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
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Terminal No.	Color of Wire	Signal Name [Specification]
1	W	
2	GR	
3	B	
7	V	
8	P	
10	BR	
11	R	
12	G	
13	R	
37	R	
38	GR	
39	L	
42	EG	
43	BG	
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
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Terminal No.	Color of Wire	Signal Name [Specification]
1	R	
2	GR	
4	Y	
5	P	
6	B	

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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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 (-)
11	SB	EC2S (+)
12	Y	EC2S (-)
15	LG	AIR BAG W/L
16	SHIELD	GND
18	R	CUTOFF TELLTALE
21	L	CAN-H
24	G	SEAT BELT
45	Y	DR 2 (+)
46	P	CAN-L
47	Y	AS 2 (+)
48	Y	AS 2 (-)
49	L	ODS INPUT

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POWER SUPPLY ROUTING CIRCUIT

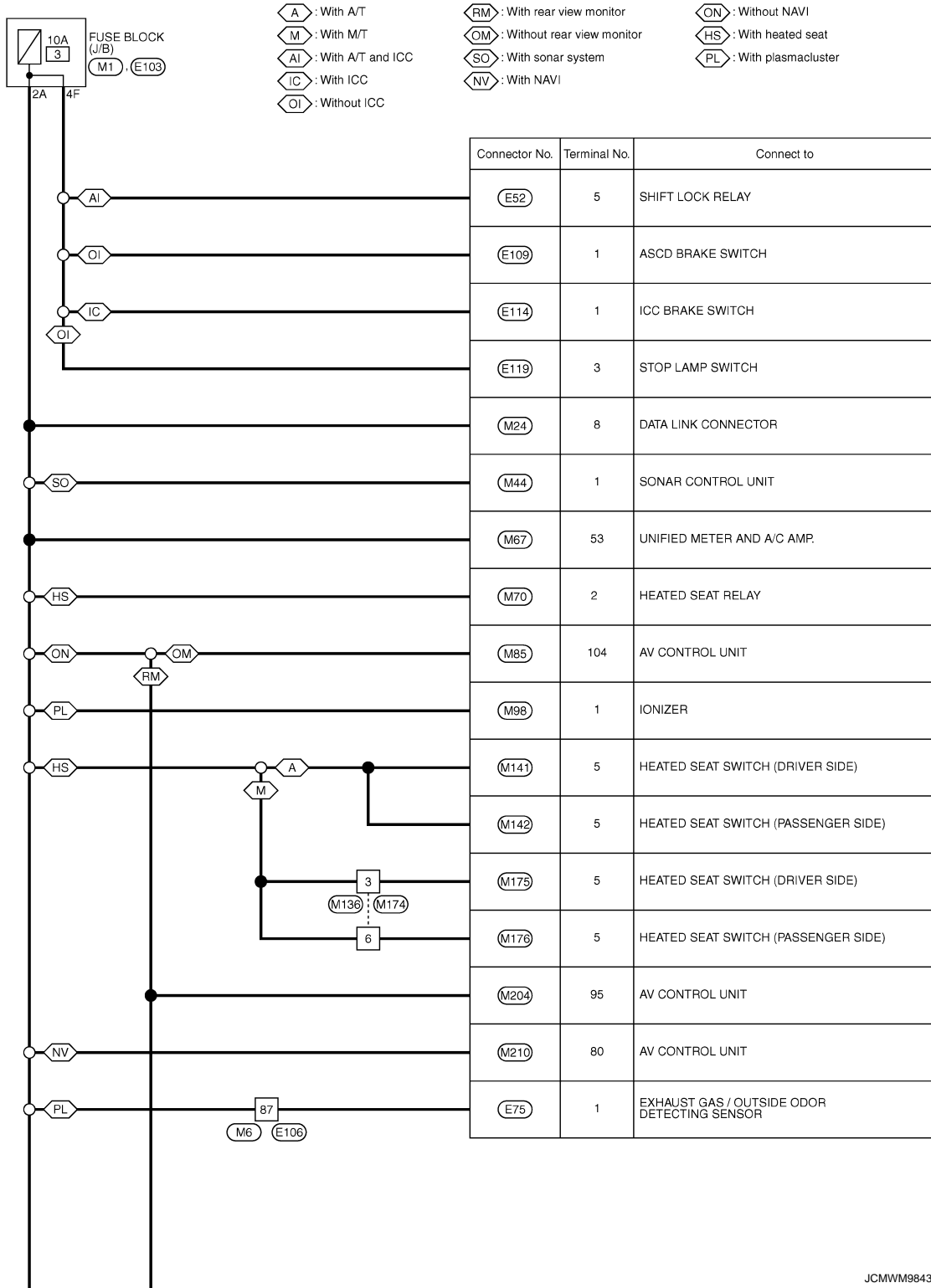
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 3 -

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IGNITION POWER SUPPLY FUSE No. 3

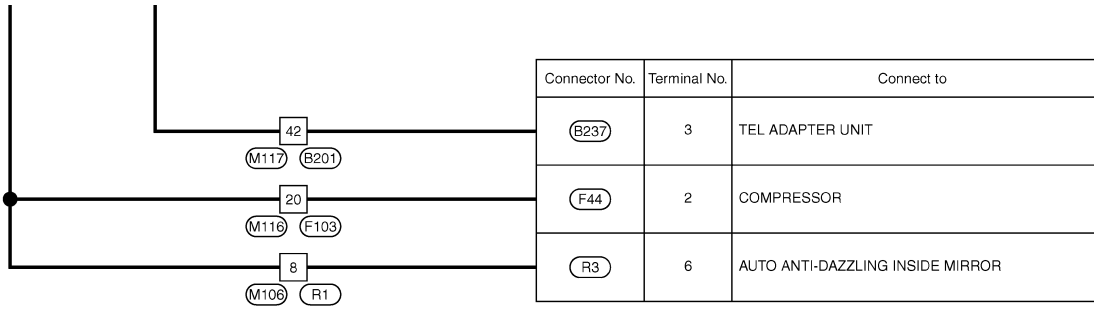


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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]



Connector No.	Terminal No.	Connect to
B237	3	TEL ADAPTER UNIT
F44	2	COMPRESSOR
R3	6	AUTO ANTI-DAZZLING INSIDE MIRROR

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2010/08/18

JCMWM9844GB

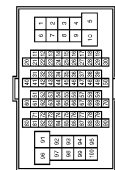
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY FUSE No. 3

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



Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	-
3	W	-
5	P	-
6	L	-
7	V	-
9	LG	-
10	L	-
31	L	-
32	P	-
33	G	-
34	R	-
40	GR	-
41	LG	-
42	BG	-
43	R	-
45	G	-
46	SHIELD	-
47	G	-
48	Y	-
49	SHIELD	-
50	W	-
71	R	-
72	V	-
80	BG	-
81	SHIELD	-
82	G	-
83	P	-
84	L	-
85	SHIELD	-
86	G	-
87	R	-
88	W	-
89	B	-
90	Y	-
91	V	-
92	W	- [With rear anti-pinch system]
92	R	- [Without rear anti-pinch system]
93	BG	- [With rear anti-pinch system]
		- [Without rear anti-pinch system]

93	BR	- [Without rear anti-pinch system]
94	R	-
95	SB	-
96	C	-
97	GR	-
98	BR	-
99	P	-
100	L	-

Connector No.	B237
Connector Name	TEL ADAPTER UNIT
Connector Type	TH43ZFW-NH



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

Connector No.	E52
Connector Name	SHIFT LOCK RELAY
Connector Type	MS02FL-M2-LC



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

Connector No.	E75
Connector Name	EXHAUST GAS / OUTSIDE DOOR DETECTING SENSOR
Connector Type	RH03FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	POWER
2	P	GND
3	L	EXHAUST GAS / OUTSIDE DOOR DETECTING SENSOR SIGNAL

Connector No.	E103
Connector Name	FUSE BLOCK (L/B)
Connector Type	NS18FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1F	SB	-
2F	W	-
4F	G	-
6F	BR	-
8F	L	-
9F	P	-

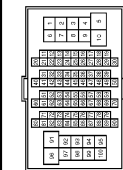
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY FUSE No. 3

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



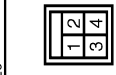
Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
3	EG	-
5	G	-
6	Y	-
7	V	-
8	R	-
10	W	-
11	V	-
12	R	-
13	L	-
14	GR	-
15	P	-
16	W	-
17	SB	-
18	BG	-
19	SB	-
20	LG	-
30	BR	-
31	L	-
32	BG	-
33	P	-
34	V	-
35	W	-
36	SB	-
37	Y	-
38	R	-
39	B	-
40	G	-
41	R	-
42	LG	-
43	G	-
44	GR	-
45	BR	-
46	LG	-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

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



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

Connector No.	E119
Connector Name	STOP LAMP SWITCH
Connector Type	M04FY-LC



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

Connector No.	F44
Connector Name	COMPRESSOR
Connector Type	RK02FGY



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

2	Y	-
3	BG	-
3	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	-
9	G	- [With VQ25HR engine]
9	Y	- [With VQ37VHR engine]
10	L	- [With VQ25HR engine]
10	GR	- [With VQ37VHR engine]
19	BG	-
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	Y	- [With VQ25HR engine]
45	G	- [With VQ37VHR engine]
46	V	-

JCMWM9846GB

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POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

IGNITION POWER SUPPLY FUSE No. 3

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	-

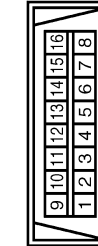
Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	THR0MW-CS1B-TM4



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	-

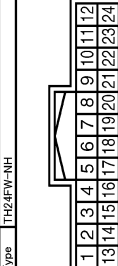
18	P	-
19	L	-
20	L	-
30	BR	-
31	L	-
32	Y	-
33	EG	-
34	W	-
35	BR	-
36	R	-
37	Y	-
38	R	-
39	SB	-
40	G	-
41	V	-
42	LG	-
43	P	-
44	B	-
44	B	- [With A/T]
45	EG	- [With M/T]
46	G	-
47	L	-
48	P	-
49	L	-
59	B	-
66	Y	-
67	G	-
68	R	-
69	W	-
70	G	-
80	SB	-
81	B	-
82	V	-
83	W	-
84	L	-
85	GR	-
86	G	-
87	R	-
88	B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

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



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

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	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	R RANGE SIGNAL
18	V	K LINE
19	SB	AV COMM (H)
20	LG	AV COMM (L)

Connector No.	M87
Connector Name	UNIFIED METER AND A/C AMP.
Connector Type	TH22FW-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 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	ECV SIGNAL
69	P	A/C LAMP SIGNAL
70	R	EACH DOOR MOTOR POWER SUPPLY
71	GR	GROUND
72	P	CAN-L

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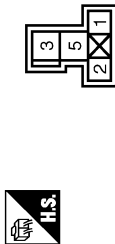
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY FUSE No. 3

Connector No.	M70
Connector Name	HEATED SEAT RELAY
Connector Type	MS2FL-MZ-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	TH22FV-NH



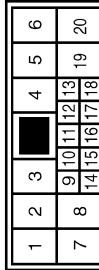
Terminal No.	Color of Wire	Signal Name [Specification]
85	B	GND
86	L	CAN-H
87	P	CAN-L
88	SB	AV COMM (H)
89	LG	AV COMM (L)
90	SB	AV COMM (H)
91	LG	AV COMM (L)
95	R	AUX SOUND SIGNAL RH (+)
96	W	AUX SOUND SIGNAL LH (+)
97	B	AUX SOUND SIGNAL GND
101	BR	SW GND
103	V	EJECT SIGNAL
104	G	IGNITION
105	EG	REVERSE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

Connector No.	M88
Connector Name	IONIZER
Connector Type	TH22FV-NH



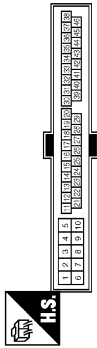
Terminal No.	Color of Wire	Signal Name [Specification]
1	V	IGN
2	L	ION MODE
3	B	GND
4	BR	ION ON / OFF

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



Terminal No.	Color of Wire	Signal Name [Specification]
2	L	-
3	SHIELD	-
4	G	-
5	BR	-
6	EG	-
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.	M116
Connector Name	WIRE TO WIRE
Connector Type	TK38MW-AS10



Terminal No.	Color of Wire	Signal Name [Specification]
2	W	-
3	BG	-
4	P	-
5	B	-
9	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	BG	-
42	G	-
43	P	-
44	L	-
45	Y	-
46	SB	-

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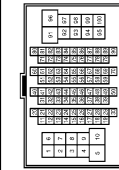
POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

IGNITION POWER SUPPLY FUSE No. 3

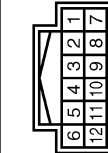
Connector No.	M117
Connector Name	WIRE TO WIRE
Connector Type	THB0MW-CS (F-TIM)



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
3	SB	-
5	P	-
6	G	-
7	SB	-
9	LG	-
10	L	-
31	SB	-
32	LG	-
33	SB	-
34	LG	-
40	Y	-
41	G	-
42	LG	-
43	R	-
45	G	-
46	SHIELD	-
48	L	-
48	SHIELD	-
50	V	-
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	-
92	BR	- [With rear anti-pinch system]
92	LG	- [Without rear anti-pinch system]
93	V	- [With rear anti-pinch system]
		- [Without rear anti-pinch system]

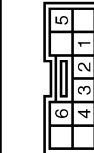
93	W	- [Without rear anti-pinch system]
94	Y	-
95	G	-
96	C	-
97	R	-
98	BG	-
99	P	-
100	L	-

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	BG	-
7	B	-
8	R	-
9	B	-
10	LG	-
11	B	-
12	SB	-

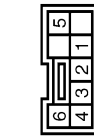
Connector No.	M141
Connector Name	HEATED SEAT SWITCH (DRIVER SIDE)
Connector Type	TK10FW



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

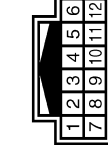
1	L	-
2	GR	-
3	R	-
4	B	-
5	G	-
6	B	-

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	-

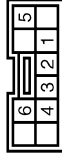
Connector No.	M174
Connector Name	WIRE TO WIRE
Connector Type	TH12MW-NH



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

9	W	-
10	GR	-
11	GR	-
12	SB	-

Connector No.	M175
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	W	-
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	GR	-
2	SB	-
3	R	-
4	W	-
5	W	-
6	GR	-

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY FUSE No. 3

Connector No.	M204
Connector Name	AV CONTROL UNIT
Connector Type	TH22FY-NH



76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91
62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77

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 (β-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	TH22FY-NH



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

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-βDISP)
74	P	CAN-L

75	LG	AV COMM (L)
76	LG	AV COMM (L)
79	L	ILLUMINATION
80	G	IGNITION
81	BG	REVERSE
82	R	VEHICLE SPEED (β-PULSE)
83	SHIELD	SHIELD
87	R	MICROPHONE SIGNAL
88	SHIELD	SHIELD
89	L	COMM (DISP-βCONT)
90	L	CAN-H
91	SB	AV COMM (H)
92	SB	AV COMM (H)

Connector No.	R1
Connector Name	WIRE TO WIRE
Connector Type	INH10FY-SS10



6	5	4	3	2	1
20	19	18	17	16	15
		13	12	11	10
		9	8	7	

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

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



5	4	3	2	1
10	9	8	7	6

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

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POWER SUPPLY ROUTING CIRCUIT



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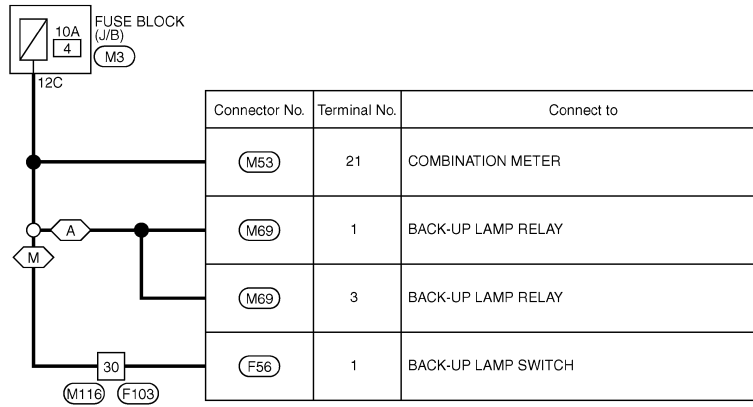
[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 4 -

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IGNITION POWER SUPPLY FUSE No. 4

 : With A/T
 : With M/T



2008/08/07

JCMWA3106GB

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	TK26FB



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

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



Terminal No.	Color of Wire	Signal Name [Specification]
2	G	-
3	W	-
4	R	-
5	B	-
9	G	- [With VQ25HR engine]
9	Y	- [With VQ37VHR engine]
10	L	- [With VQ25HR engine]
10	GR	- [With VQ37VHR engine]
19	BG	-
19	O	-
20	Y	-
28	B	-
29	LG	-
30	R	-
31	R	-
33	B	-
34	B	-
35	L	-
36	P	-
37	Y	-

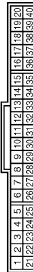
38	G	-
41	O	-
42	BR	-
43	P	-
44	L	- [With VQ25HR engine]
45	Y	- [With VQ37VHR engine]
45	G	-
46	V	-

Connector No.	M3
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS12FW-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.	M53
Connector Name	COMBINATION METER
Connector Type	SB40PW



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

Connector No.	M116
Connector Name	WIRE TO WIRE
Connector Type	TK36MF-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	-

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
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 (+)

Connector No.	M69
Connector Name	BACK-UP LAMP RELAY
Connector Type	MS02FL-MZ-LC



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

JCMWM9851GB

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

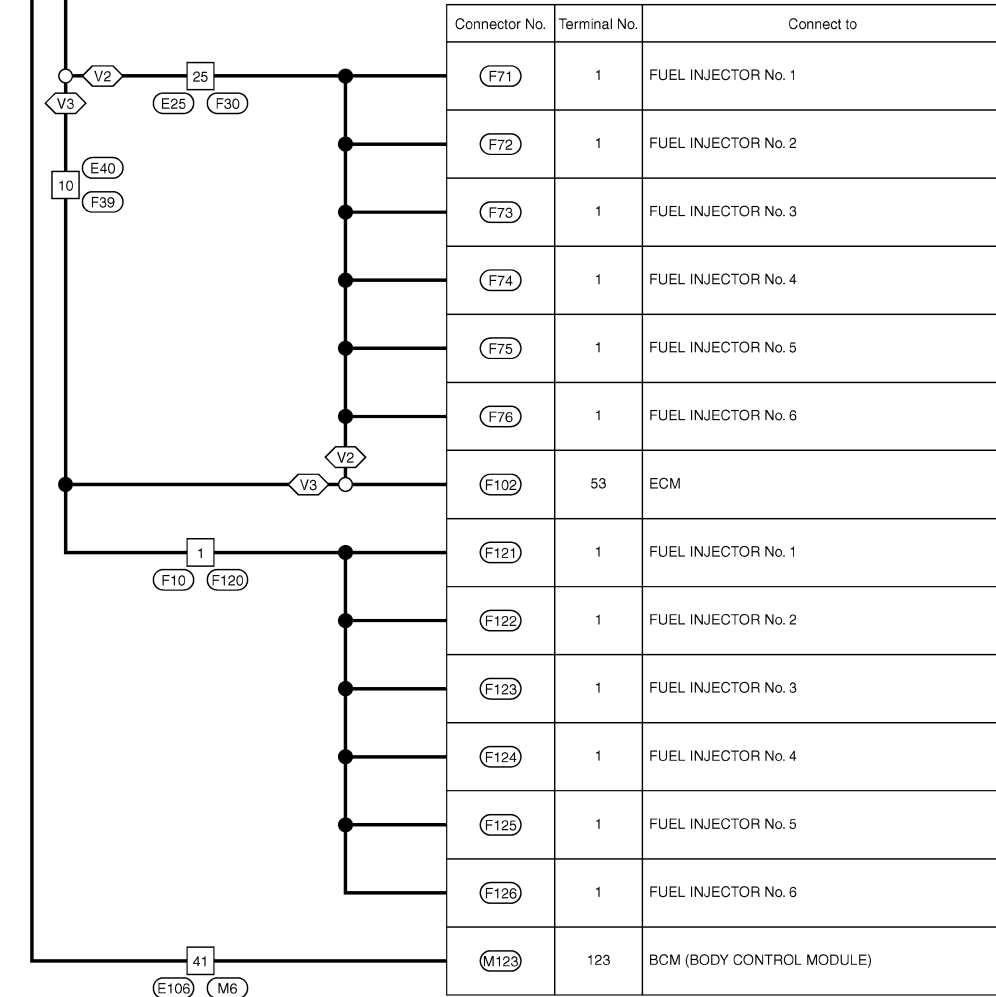
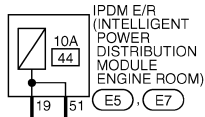
[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 44 -

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IGNITION POWER SUPPLY FUSE No. 44

V2 : With VQ25HR engine
V3 : With VQ37VHR engine



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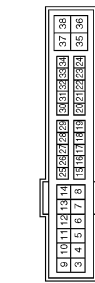
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

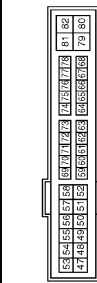
IGNITION POWER SUPPLY FUSE No. 44

Connector No.	E5
Connector Name	IGNITION POWER SUPPLY FUSE HOOD
Connector Type	TH20PW-CS12-M4-1V



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

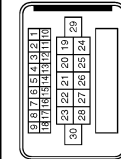
Connector No.	E7
Connector Name	IGNITION POWER SUPPLY FUSE HOOD
Connector Type	TH20PW-CS12-M4



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

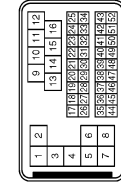
55	SB	-
56	BR	-
57	C	-
58	GR	-
59	BR	-
70	BG	-
73	P	-
74	G	-
75	SB	-
76	Y	-
77	R	-
80	W	-

Connector No.	E25
Connector Name	WIRE TO WIRE
Connector Type	SA418MB-RS10-SJZZ



Terminal No.	Color of Wire	Signal Name [Specification]
1	BG	-
2	G	-
3	Y	-
4	BR	-
5	GR	-
10	V	-
11	R	-
12	P	-
13	W	-
14	SB	-
19	BG	-
21	P	-
22	L	-
23	BR	-
24	GR	-
25	Y	-
26	G	-
27	W	-
29	W	-
30	SB	-

Connector No.	E40
Connector Name	WIRE TO WIRE
Connector Type	SA438MB-RS3-SJZ6



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	L	-
14	G	-
15	BG	-
16	BR	-
17	P	-
18	Y	-
19	BG	-
20	B	-
21	SB	-
22	W	-
23	L	-
24	GR	-
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	GR	-
46	SHIELD	-
47	W	-
48	BR	-
49	G	-
50	B	-
51	SB	-
52	R	-

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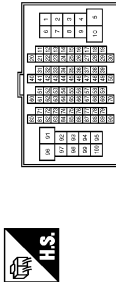
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY FUSE No. 44

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



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

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

Connector No.	F10
Connector Name	WIRE TO WIRE
Connector Type	FRH08FB



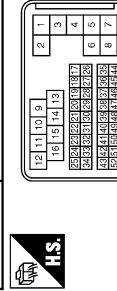
Terminal No.	Color of Wire	Signal Name [Specification]
1	G	
2	GR	
3	BR	
4	R	
5	O	
6	W	
7	V	

Connector No.	F30
Connector Name	WIRE TO WIRE
Connector Type	SAA18FB-RS1P-SJ22



Terminal No.	Color of Wire	Signal Name [Specification]
1	BG	
2	G	
3	GR	
4	SB	
5	BG	
10	V	
11	R	
12	R	
13	W	
14	Y	
19	BR	
21	R	
22	L	
23	Y	
24	GR	
25	P	
26	G	
27	W	
29	W	
30	R	

Connector No.	F39
Connector Name	WIRE TO WIRE
Connector Type	SAA38FB-RSS-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	O	
17	W	
18	LG	
19	P	
20	O	
21	Y	
22	G	
23	Y	
24	LG	
25	V	
27	GR	
28	BR	
29	L	
30	R	
31	P	
32	W	
33	SB	
34	BR	
34	O	
37	B	
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	

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY FUSE No. 44

Connector No.	F71
Connector Name	FUEL INJECTOR No. 1
Connector Type	HS02FGY



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

Connector No.	F72
Connector Name	FUEL INJECTOR No. 2
Connector Type	HS02FGY



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

Connector No.	F73
Connector Name	FUEL INJECTOR No. 3
Connector Type	HS02FGY



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

Connector No.	F74
Connector Name	FUEL INJECTOR No. 4
Connector Type	HS02FGY



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

Connector No.	F75
Connector Name	FUEL INJECTOR No. 5
Connector Type	HS02FGY



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

Connector No.	F76
Connector Name	FUEL INJECTOR No. 6
Connector Type	HS02FGY



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

Connector No.	F102
Connector Name	ECM
Connector Type	RH40FBR-R28-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	P	MOTOR 2-B 2 [With VQ25HR engine]
50	GR	MOTOR 2-B 2 [With VQ37VHR engine]
51	L	MOTOR 1-B 2 [With VQ25HR engine]
52	R	MOTOR 1-B 2 [With VQ37VHR engine]
53	W	IGNSW
54	Y	ENG CAN-L 1
55	LG	ENG CAN-H 1
57	L	AF-1
58	GR	E-PHASEF1
59	LG	PHASEF1 [With VQ25HR engine]
59	L	PHASEF1 [With VQ37VHR engine and AMD models]
59	O	PHASEF1 [With VQ37VHR engine and 2WD models]
60	R	AVCC-PHS 1-E-PHS 1/PS [With VQ25HR engine]
60	G	AVCC-PHS 1-E-PHS 1/PS [With VQ37VHR engine]
61	P	AF-1 [With VQ25HR engine]
61	R	AF-1 [With VQ37VHR engine]
62	G	E-PHASEF2
63	L	PHASEF2
64	BR	AVCC-PHASEF2 [With VQ25HR engine]
64	SB	AVCC-PHASEF2 [With VQ37VHR engine]
65	V	AF-2 [With VQ25HR engine]
65	LG	AF-2 [With VQ37VHR engine]
66	LG	AF-2 [With VQ25HR engine]
66	V	AF-2 [With VQ37VHR engine]
67	Y	TA 1 [With VQ25HR engine]
67	P	TA 1 [With VQ37VHR engine]
68	P	GND A 1/TA 1 [With VQ25HR engine]
68	LG	GND A 1/TA 1 [With VQ37VHR engine]
69	W	KNK 2
71	BG	TW [With VQ25HR engine]
71	Y	TW [With VQ37VHR engine]
72	SHIELD	GND A-KNK
73	W	KNK 1
76	GR	O2SR 1 [With VQ25HR engine]
76	W	O2SR 1 [With VQ37VHR engine]
77	L	GA 1+ [With VQ25HR engine]
77	SB	GA 1+ [With VQ37VHR engine]

	G	W	TO
78	W	GA 2+ [With VQ25HR engine]	
79	BR	GA 2+ [With VQ37VHR engine]	
80	BR	O2SR 2 [With VQ25HR engine]	
81	O	O2SR 2 [With VQ37VHR engine]	
81	P	INJ#2 [With VQ25HR engine]	
81	R	INJ#3 [With VQ37VHR engine]	
82	Y	TA 2	
83	V	INJ#6	
84	B	GND A O2S-TW-TO	
85	GR	INJ#2 [With VQ25HR engine]	
85	BR	INJ#2 [With VQ37VHR engine]	
86	BG	INJ#5 [With VQ25HR engine]	
86	W	INJ#5 [With VQ37VHR engine]	
87	SB	PSPRES [With VQ25HR engine]	
87	Y	PSPRES [With VQ37VHR engine]	
88	LG	GND A-EPHASE	
89	LG	INJ#1 [With VQ25HR engine]	
89	GR	INJ#1 [With VQ37VHR engine]	
90	BR	INJ#4 [With VQ25HR engine]	
90	O	INJ#4 [With VQ37VHR engine]	
91	G	CURSEN [With VQ25HR engine]	
91	SB	CURSEN [With VQ37VHR engine]	
92	R	GND A-PHASEF2 [With VQ25HR engine]	
92	G	GND A-PHASEF2 [With VQ37VHR engine]	
93	R	BATT [With VQ25HR engine]	
93	P	BATT [With VQ37VHR engine]	
94	B	GND A-GA 2 [With VQ25HR engine]	
94	Y	GND A-GA 2 [With VQ37VHR engine]	
95	W	GND A-CURSEN [With VQ25HR engine]	
95	G	GND A-CURSEN [With VQ37VHR engine]	
96	BR	GND A-PHASEF1/PS [With VQ25HR engine and AMD models]	
96	P	GND A-PHASEF1/PS [With VQ37VHR engine and AMD models]	

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY FUSE No. 44

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	BG	
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	BG	

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	

JCMWM9856GB

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY FUSE No. 44

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	-
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	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	-
97	GR	-
98	SHIELD	-
99	V	-
100	SB	-

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



Terminal No.	Color of Wire	Signal Name [Specification]
112	R	RAIN SENSOR SERIAL LINK
113	BG	OPTICAL SENSOR
114	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 SLOT SW
123	V	IGN F/B
124	R	PASSENGER DOOR SW
129	BG	TRUNK LID OPENER 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 LAMP
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


< DTC/CIRCUIT DIAGNOSIS >

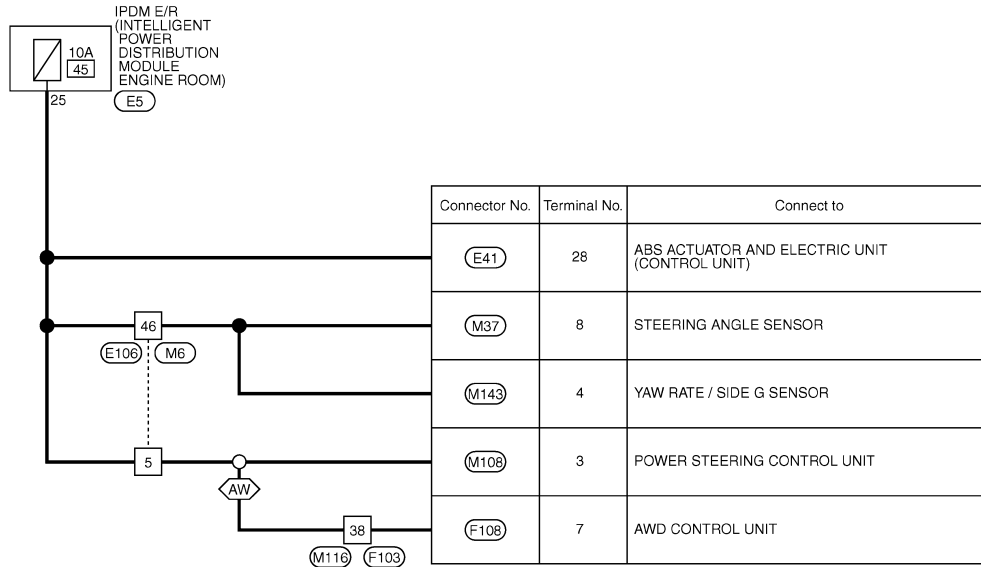
[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 45 -

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IGNITION POWER SUPPLY FUSE No. 45

: AWD models



2010/08/18

JCMWM9858GB

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY FUSE No. 45

Connector No.	E5
Connector Name	SWAYE INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	TH20PW-CS12-M4-1V



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

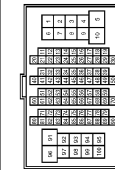
Connector No.	E41
Connector Name	ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT)
Connector Type	BAA42PE-ANZ4-LH



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	GND
2	GR	UBMR
3	BG	UBVR
4	B	GND
5	Y	DS FL

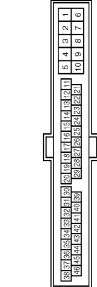
6	BG	DP RL
7	BR	DP RR
8	B	DP FR
10	W	DS FR
11	V	DIAG-K
14	P	CAN-L
25	Y	G
26	LG	DP FL
27	GR	DS RL
28	G	UZ
29	P	DS RR
30	SB	BLS
31	R	VDC OFF SW
35	L	CAN-H
45	B	BUS-H

Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	TH60PW-CS16-7M4



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

Connector No.	F103
Connector Name	WIRE TO WIRE
Connector Type	TK36PW-NS10



Terminal No.	Color of Wire	Signal Name [Specification]
2	G	-
3	W	-
4	R	-
5	B	-
9	G	- [With VQ25HR engine]
9	Y	- [With VQ33VHR engine]
10	L	- [With VQ25HR engine]
10	GR	- [With VQ33VHR engine]
19	BG	-
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	Y	- [With VQ25HR engine]
45	G	- [With VQ33VHR engine]
46	V	-

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

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

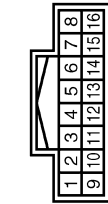
POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

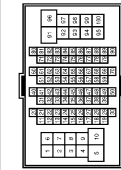
IGNITION POWER SUPPLY FUSE No. 45

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



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	EG	AWD SOL BAT [With V026HR engine]
9	O	AWD SOL BAT [With V037VHR engine]
10	B	GND
11	B	GND
13	LG	OIL TEMP (+)
15	Y	VB
16	P	CAN-L

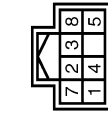
Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4



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	

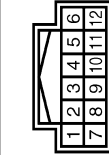
14	GR	
15	P	
16	W	
17	BR	
18	P	
19	L	
20	L	
30	BR	
31	L	
32	Y	
33	EG	
34	W	
35	BR	
36	R	
37	Y	
38	R	
39	SR	
40	G	
41	V	
42	LG	
43	P	
44	B	[With A/T]
44	R	[With M/T]
45	EG	
46	G	
47	L	
48	P	
49	L	
59	B	
66	Y	
67	G	
68	R	
69	W	
70	G	
80	SR	
81	B	
82	V	
83	W	
84	L	
85	GR	
86	G	
87	R	
88	B	
89	LG	
91	W	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

Connector No.	M37
Connector Name	STEERING ANGLE SENSOR
Connector Type	TH85FW-NH



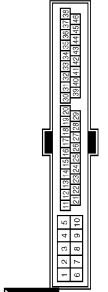
Terminal No.	Color of Wire	Signal Name [Specification]
1	L	CAN-H
2	P	CAN-L
7	B	GND
8	G	IGN

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
8	B	SOL GND
8	SB	GND
10	R	VSP
10	R	TACHO

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



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

POWER SUPPLY ROUTING CIRCUIT

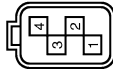
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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IGNITION POWER SUPPLY FUSE No. 45

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



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	GND
2	Y	BUS-L
3	SB	BUS-H
4	G	12V

JCMWM9861GB

PG

POWER SUPPLY ROUTING CIRCUIT

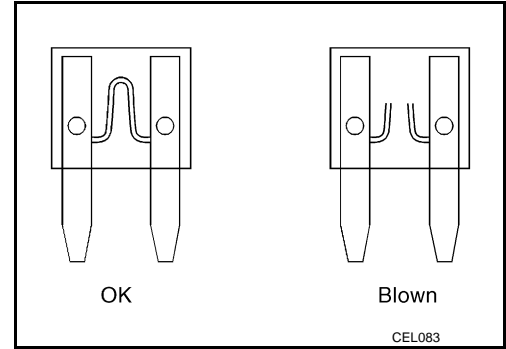
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Fuse

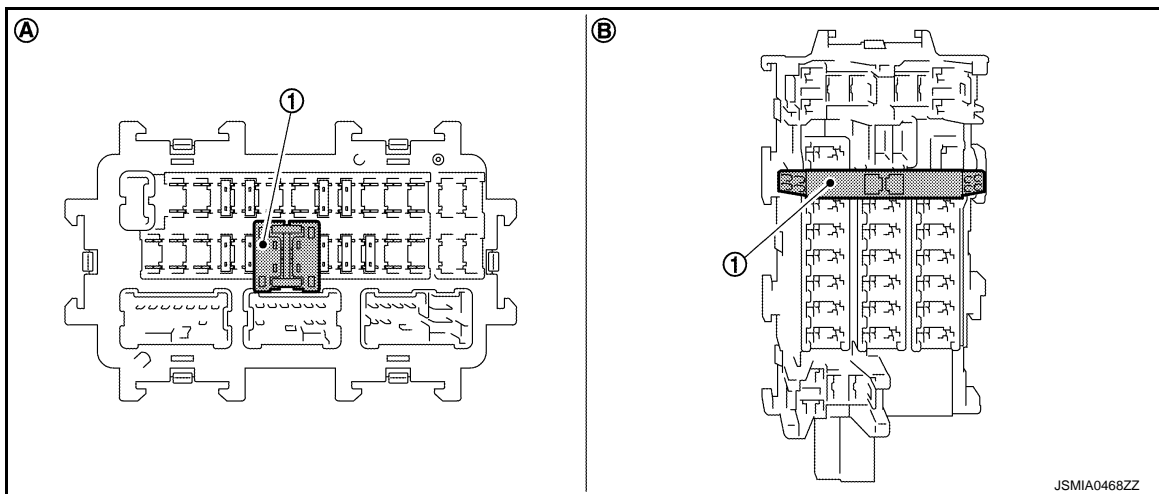
INFOID:000000006207551

- 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 fuse.
- 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:

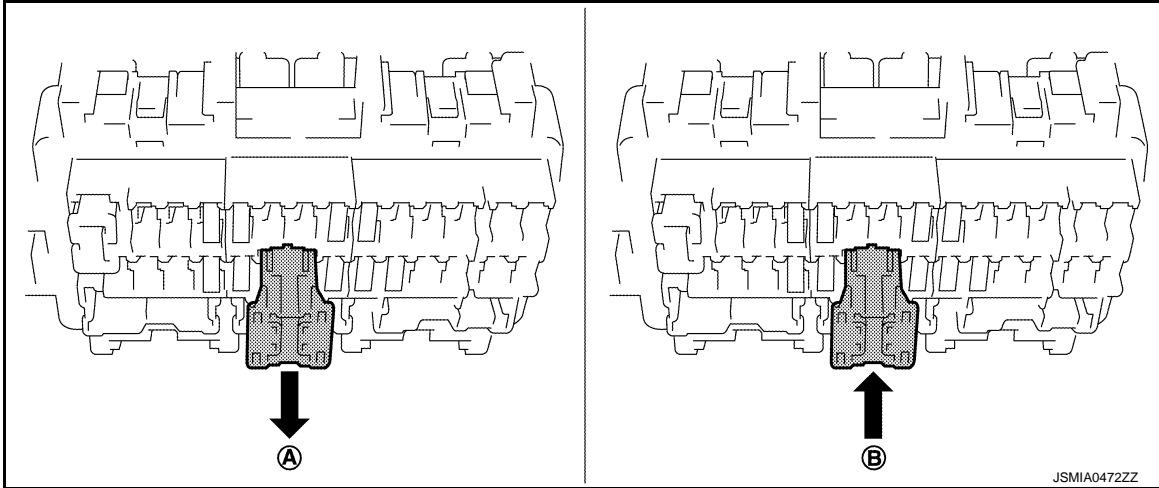
- Turn the ignition switch OFF when operating the extended storage switch.
- Under normal conditions, keep the extended storage switch in ON state. Never operate the extended storage switch except when necessary.

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

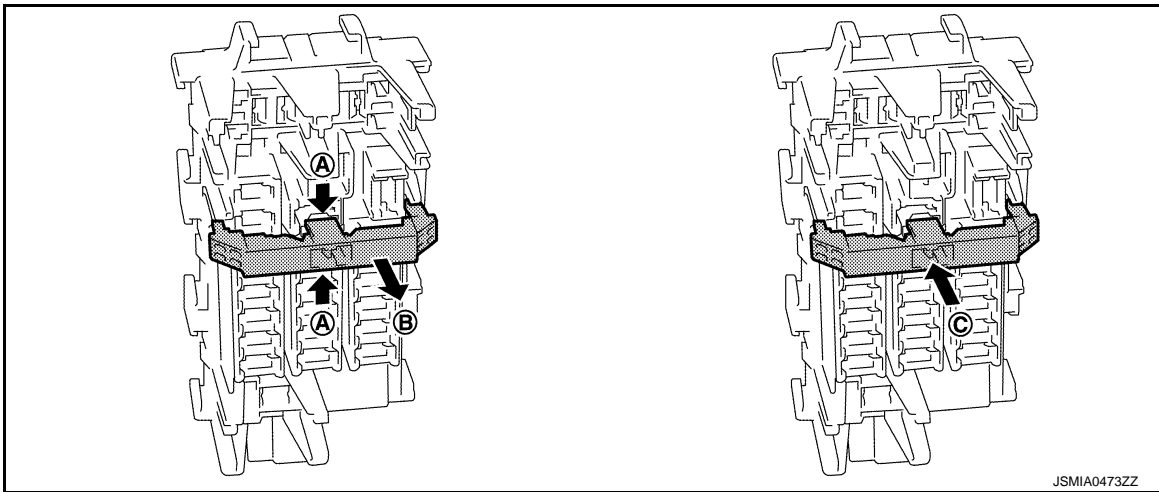
[POWER SUPPLY & GROUND CIRCUIT]

- 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

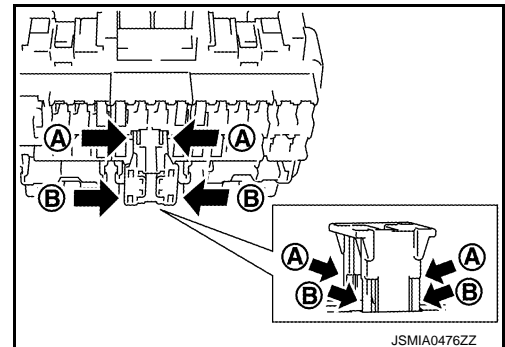


- To turn the extended storage switch OFF, hold (A) of the switch and pull up in (B) direction as shown in the figure.
- To turn the extended storage switch ON, press it in (C) direction as shown in the figure.

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.

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POWER SUPPLY ROUTING CIRCUIT

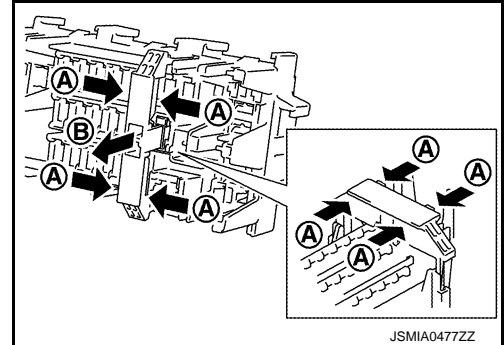
[POWER SUPPLY & GROUND CIRCUIT]

< 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

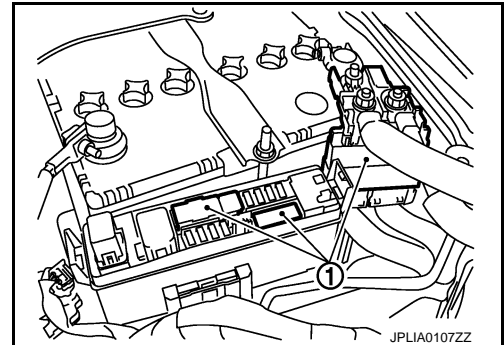
INFOID:000000006207552

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:

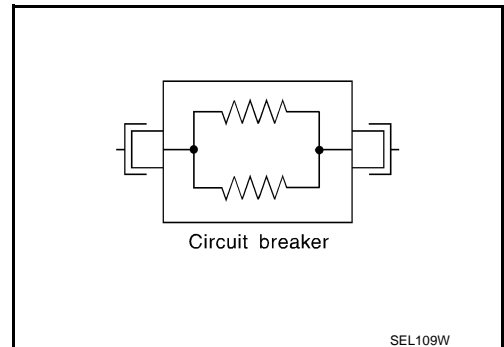
- If fusible link should melt, it is possible that critical circuit (power supply or large current carrying circuit) is shorted. In such a case, carefully check and eliminate cause of malfunction.
- Never wrap outside of fusible link with vinyl tape. Important: Never let fusible link touch any other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



Circuit Breaker

INFOID:000000006207553

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 >

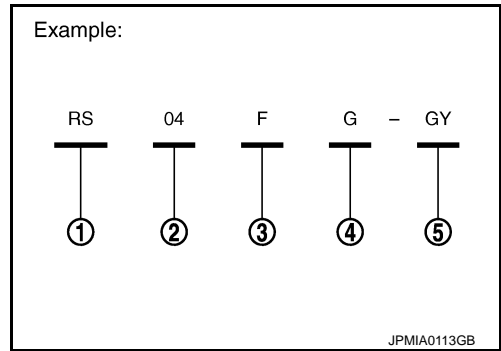
[POWER SUPPLY & GROUND CIRCUIT]

HARNESS LAYOUT

How To Read Harness Layout

INFOID:000000006207554

- 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

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PG

HARNESSES LAYOUT

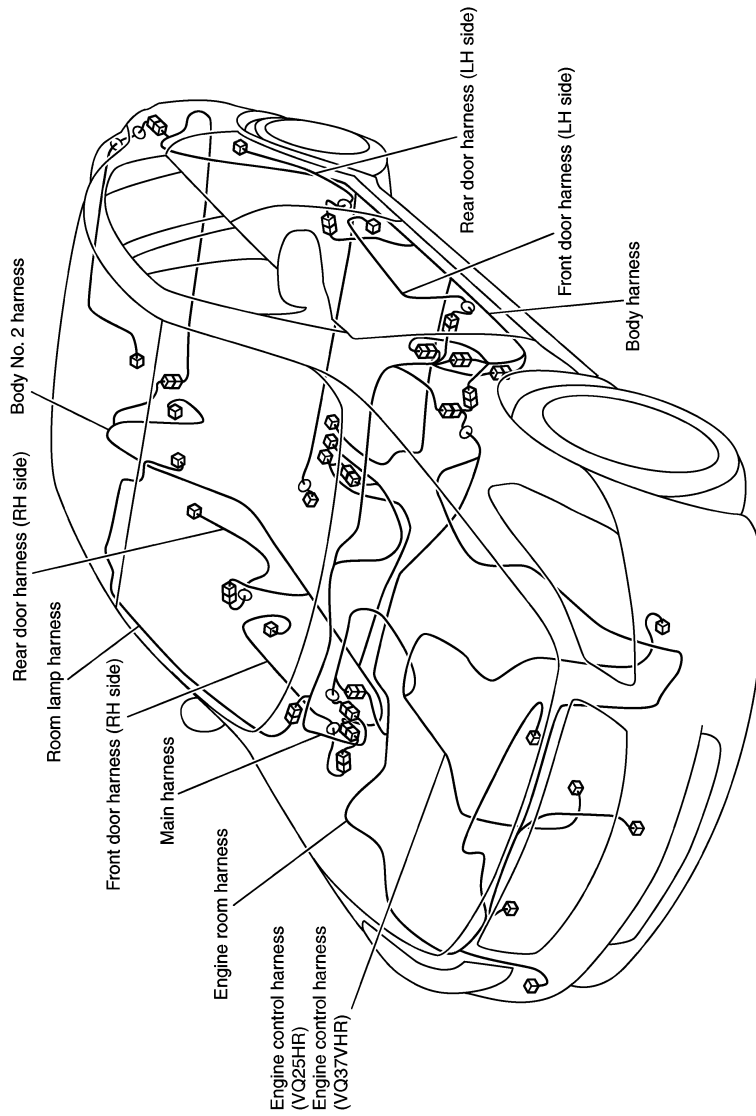
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Outline

INFOID:000000006207555

OUTLINE



2010/08/18

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HARNES LAYOUT

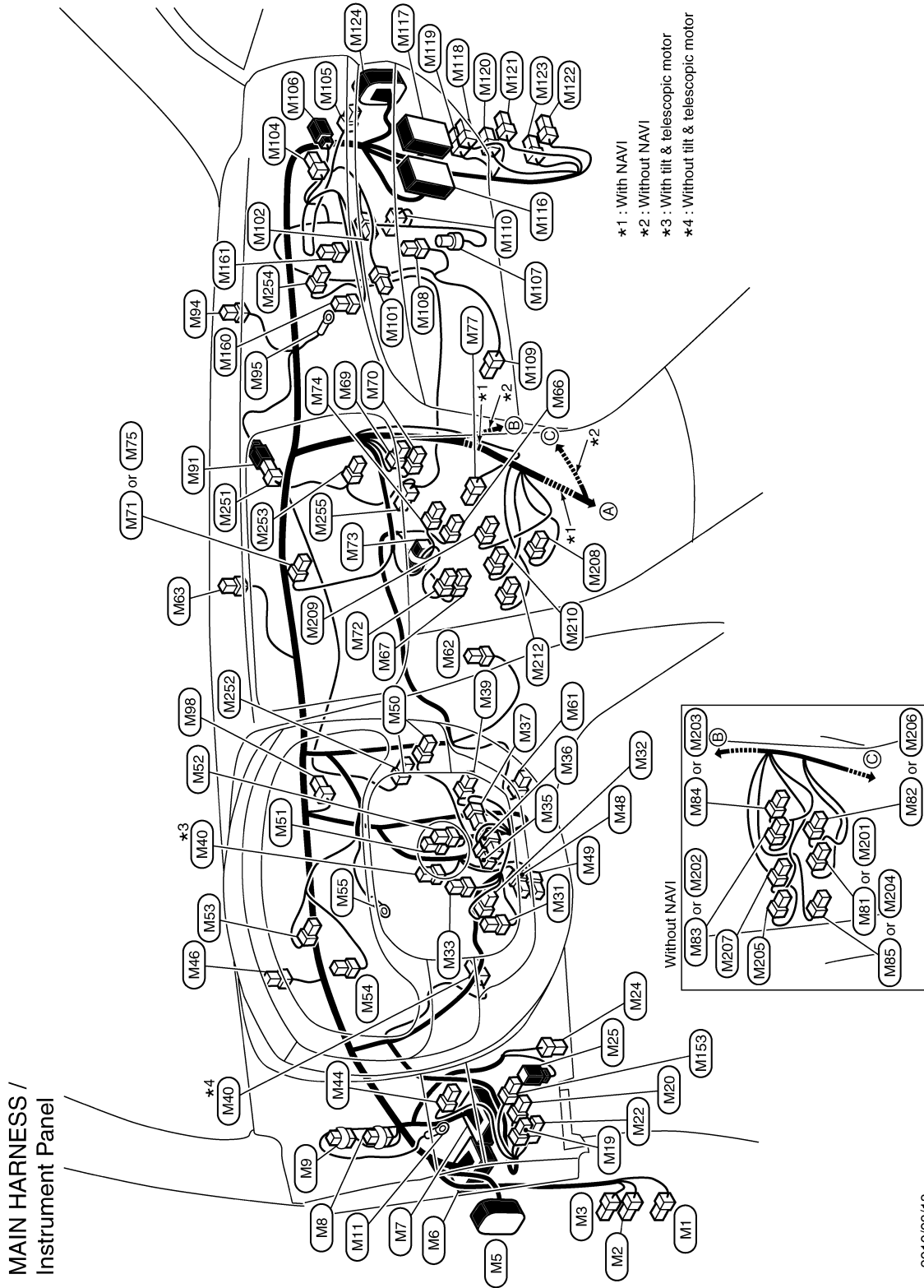
[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

Main Harness

INFOID:000000006207556

INSTRUMENT PANEL



A
B
C
D
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F
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M
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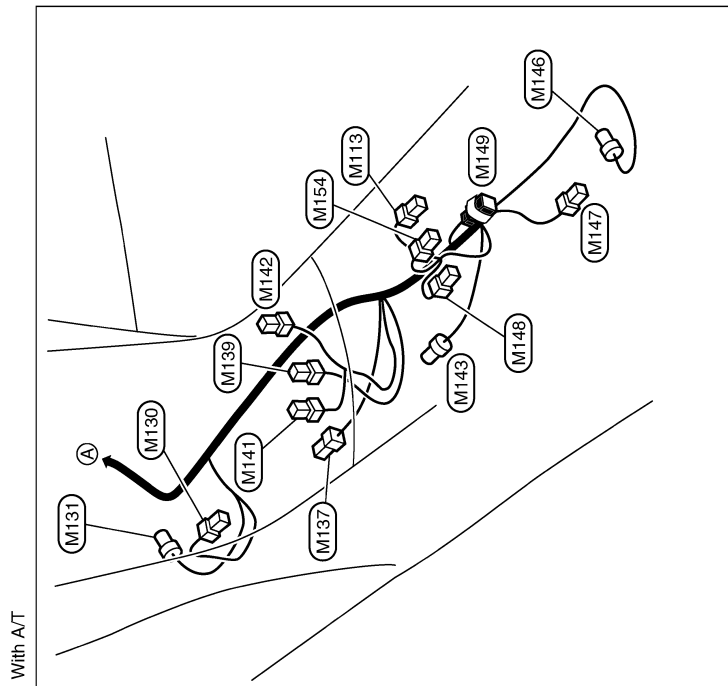
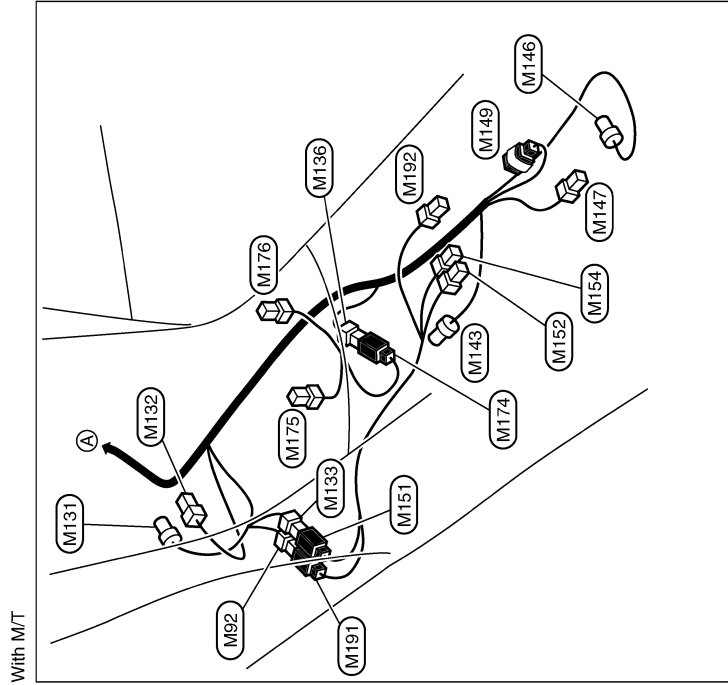
2010/08/18
JCMIM1650GB

HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

FLOOR CONSOLE



Floor Console

2010/08/18

JCMIM1651GB

HARNES LAYOUT

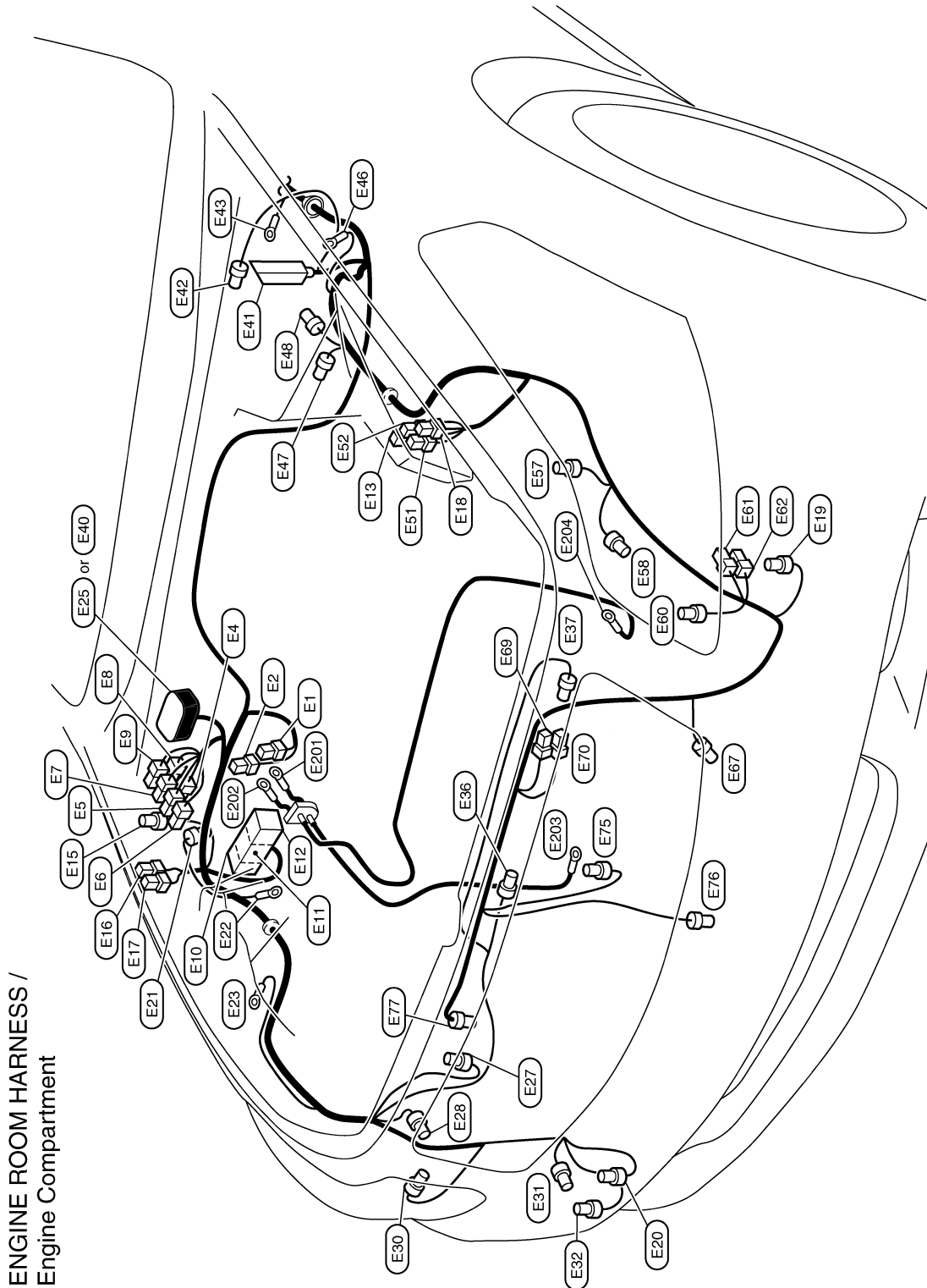
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Engine Room Harness

INFOID:000000006207557

ENGINE COMPARTMENT



ENGINE ROOM HARNESS /
Engine Compartment

A
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PG

2010/08/18

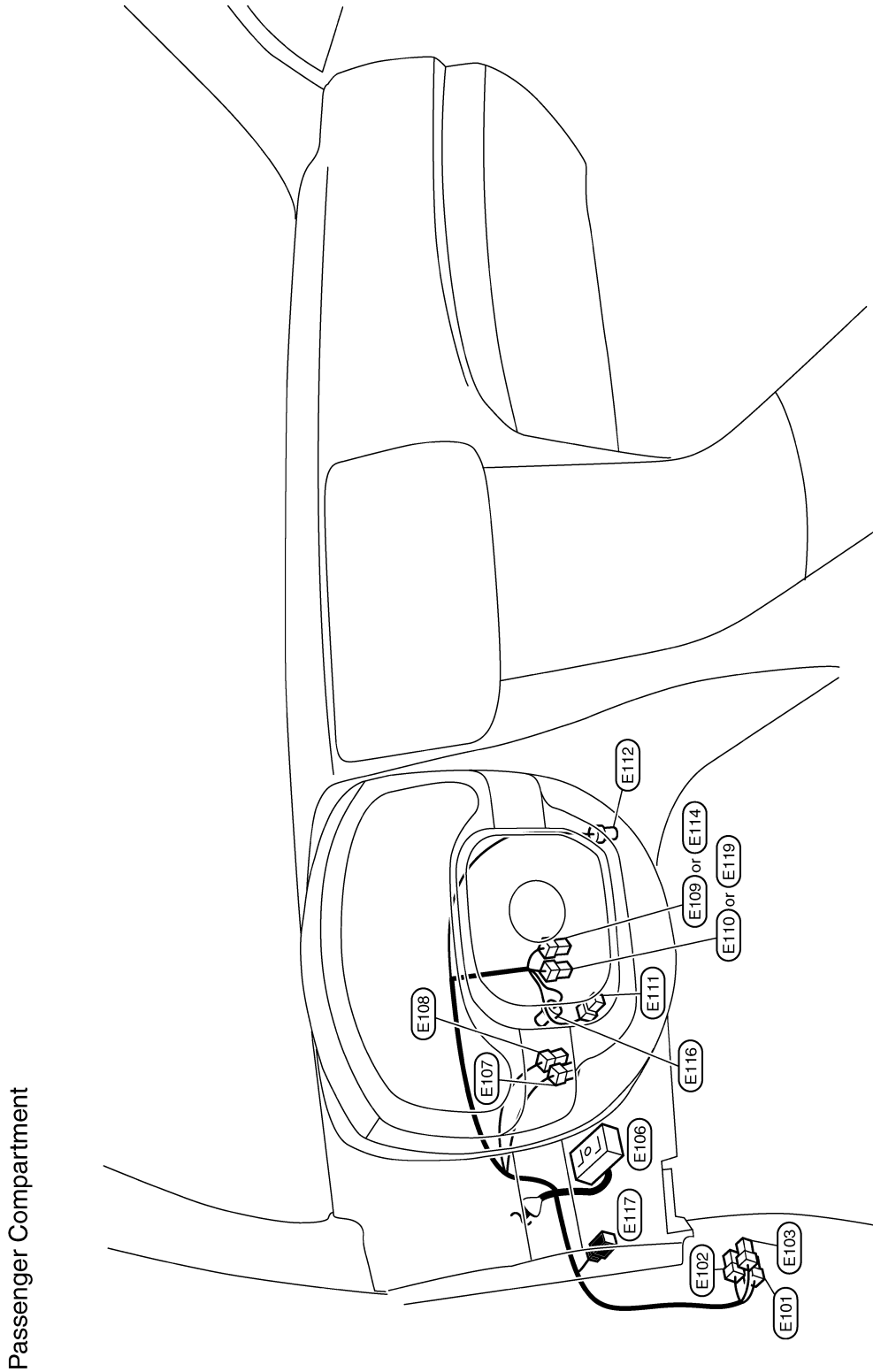
JCMIM1652GB

HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

PASSENGER COMPARTMENT



2010/08/18

JCMIM1653GB

Engine Control Harness

VQ25HR

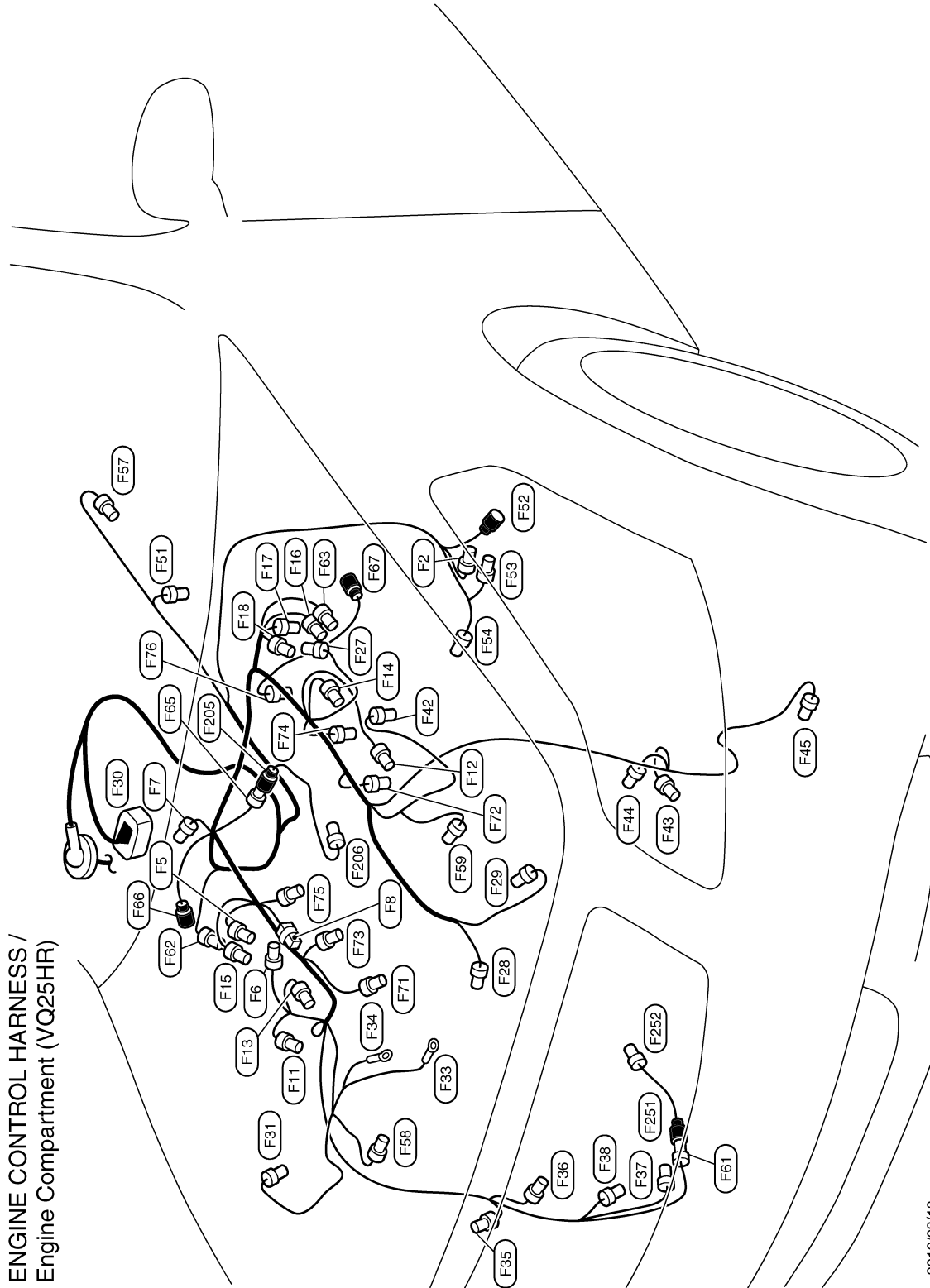
INFOID:000000006207558

HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Engine Compartment



ENGINE CONTROL HARNESS /
Engine Compartment (VQ25HR)

2010/08/18

JCMIM1654GB

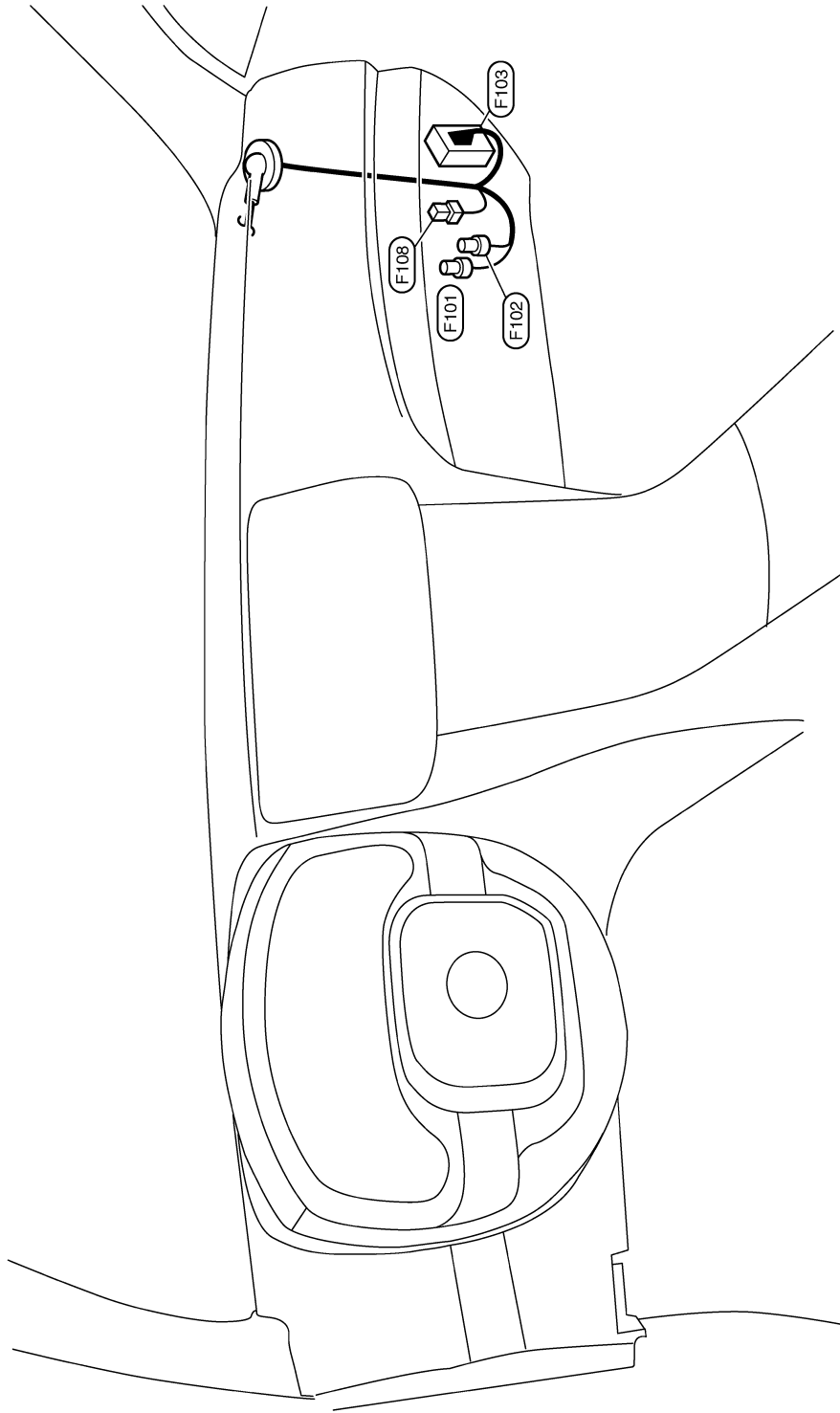
A
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HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Passenger Compartment



Passenger Compartment (VQ25HR)

2010/08/18

JCMIM1655GB

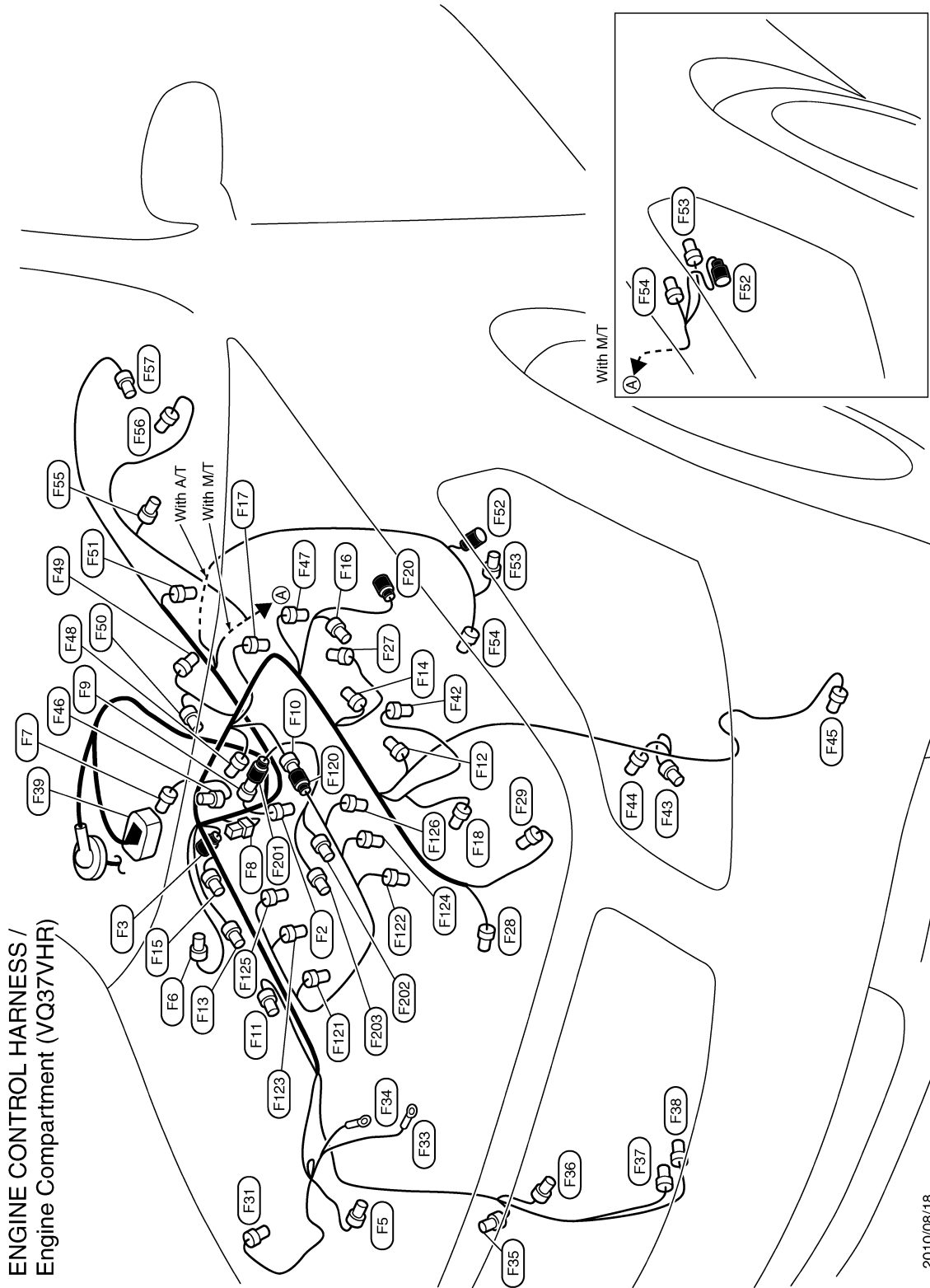
VQ37VHR

HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Engine Compartment



ENGINE CONTROL HARNESS /
Engine Compartment (VQ37VHR)

2010/08/18

JCMIM1656GB

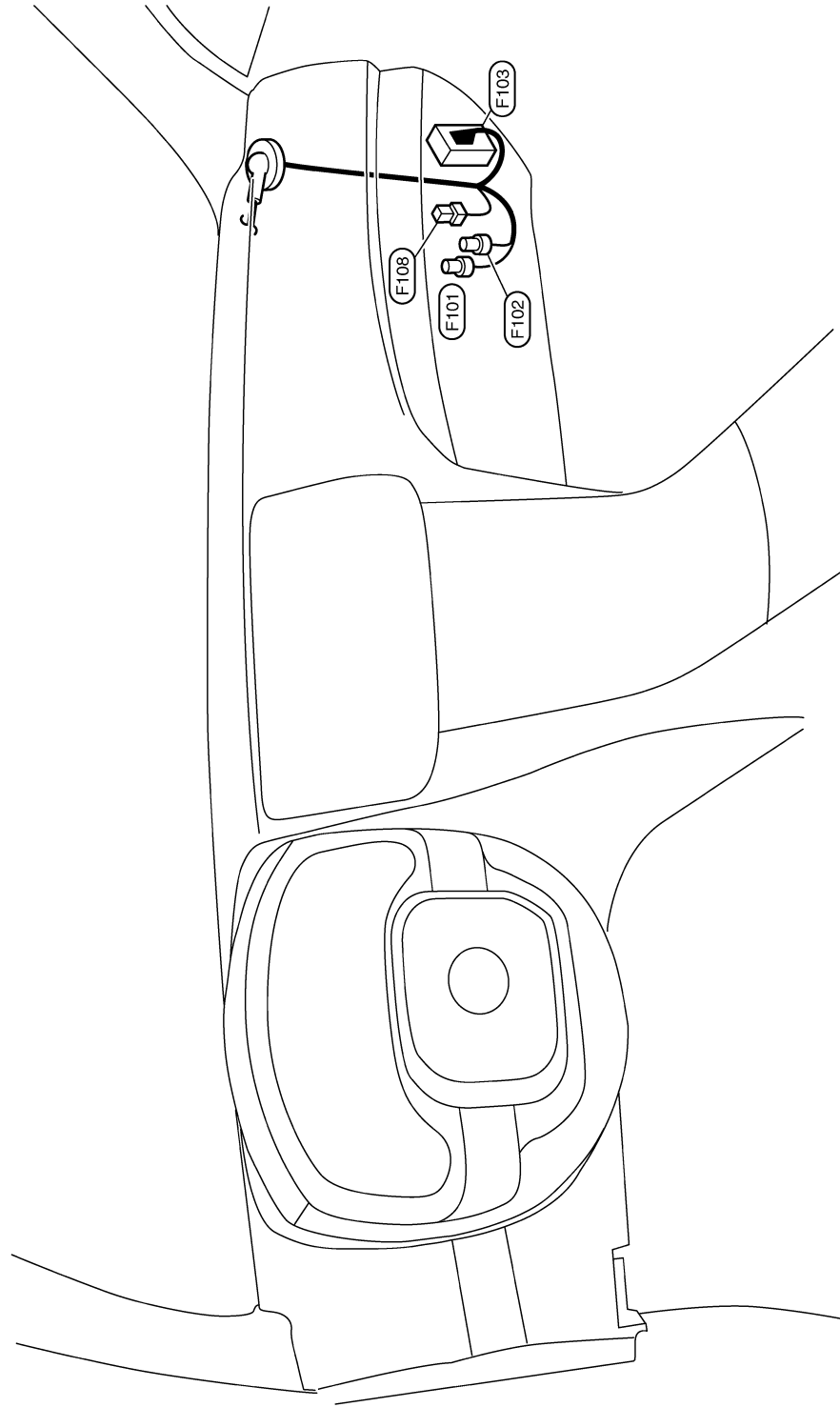
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HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Passenger Compartment



Passenger Compartment (VQ37VHR)

2010/08/18

JCMIM1657GB

HARNES LAYOUT

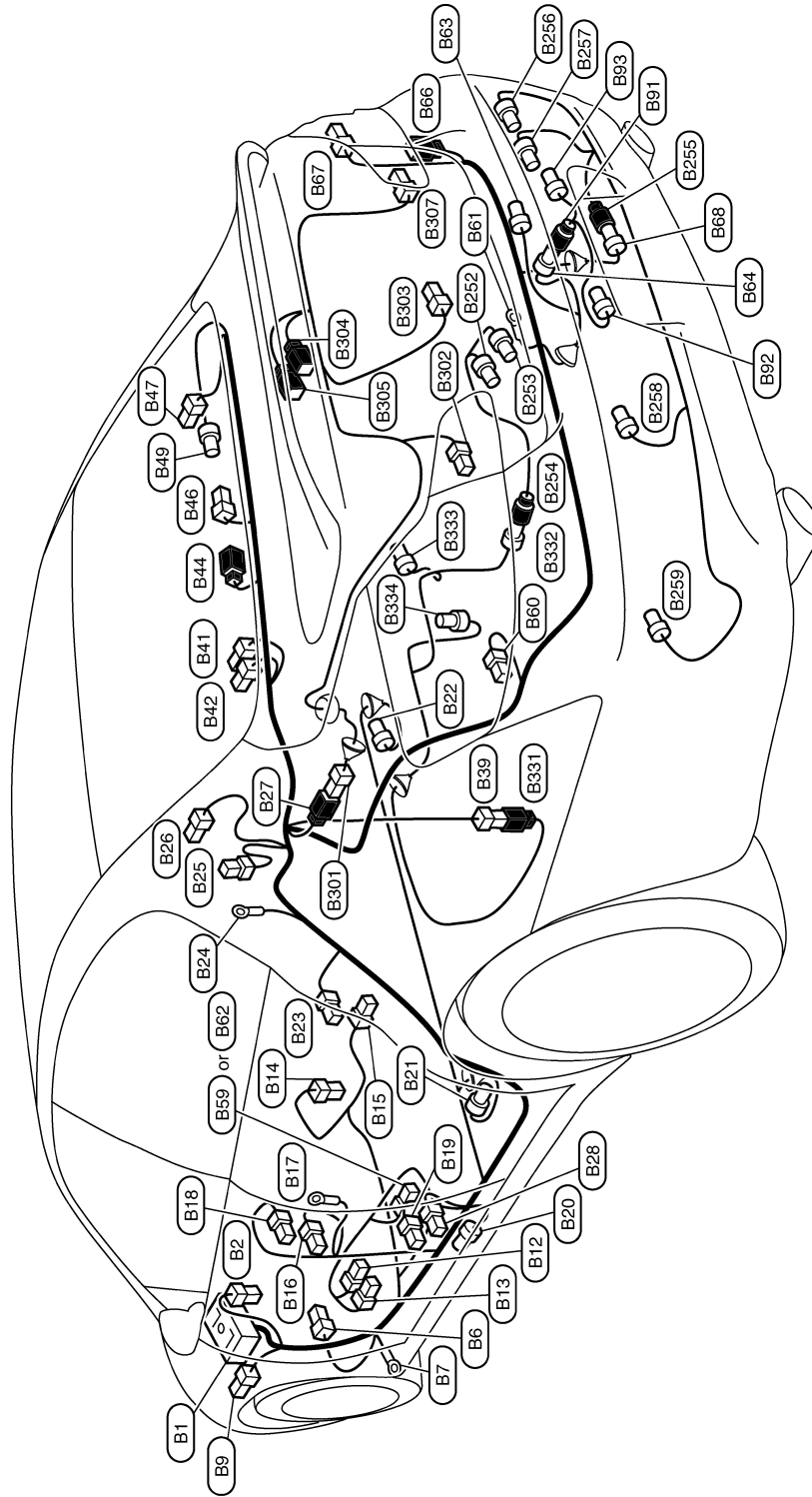
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Body Harness

INFOID:000000006207559

BODY HARNESS



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2010/08/18

JCMIM1658GB

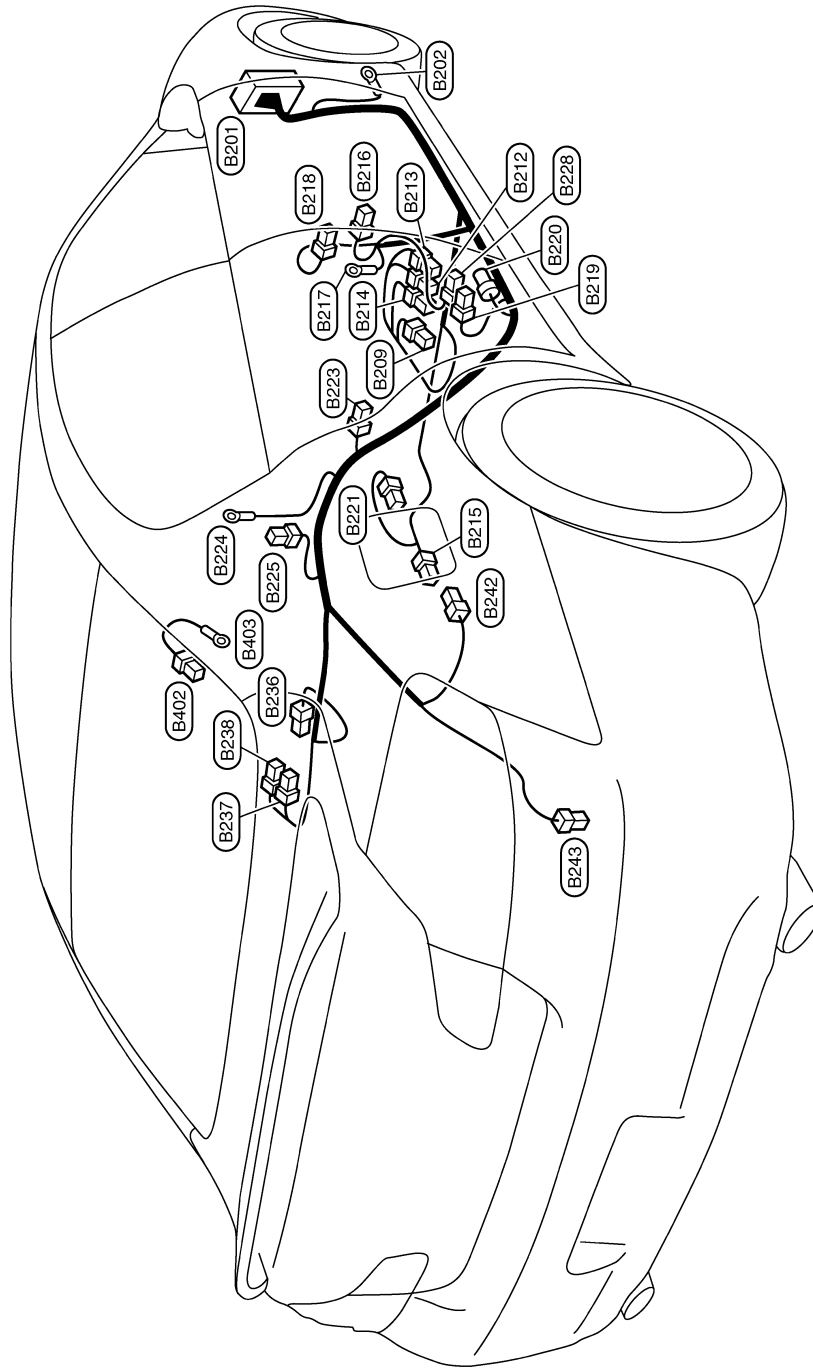
HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Body No. 2 Harness

INFOID:00000006207560



BODY No. 2 HARNESS

2009/10/30

JCMIA0700GB

HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

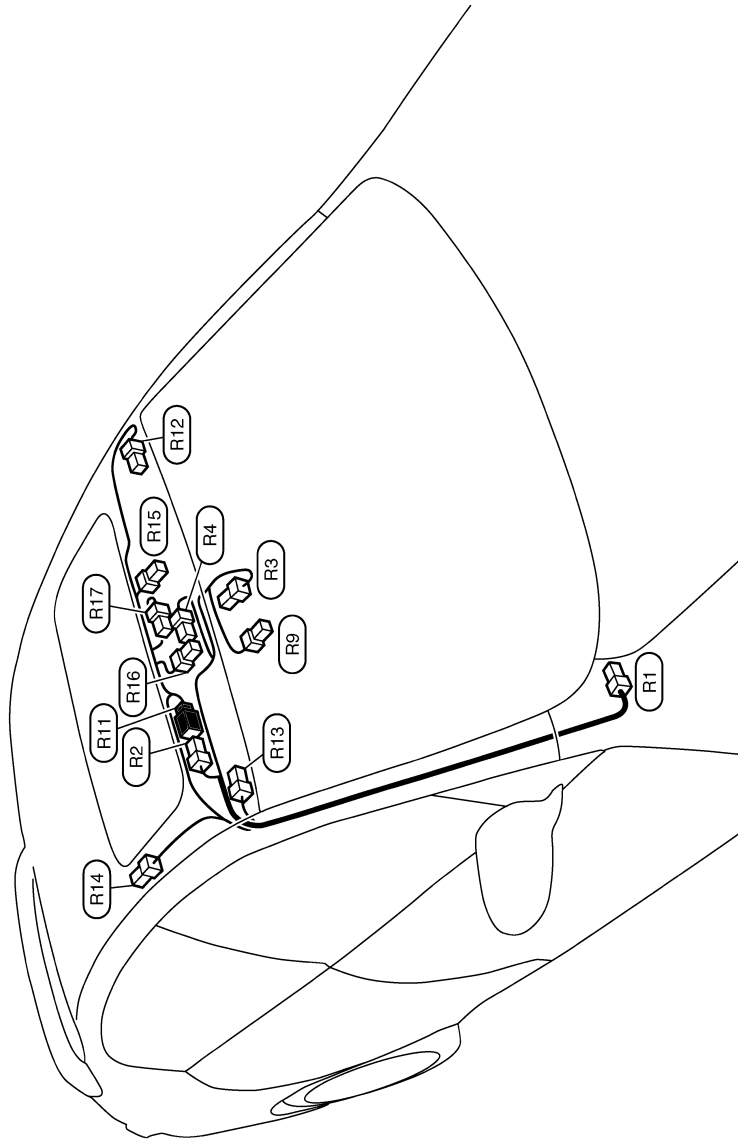
[POWER SUPPLY & GROUND CIRCUIT]

Room Lamp Harness

INFOID:000000006207561

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ROOM LAMP HARNESS



2009/10/30

JCMIA0701GB

HARNESS LAYOUT

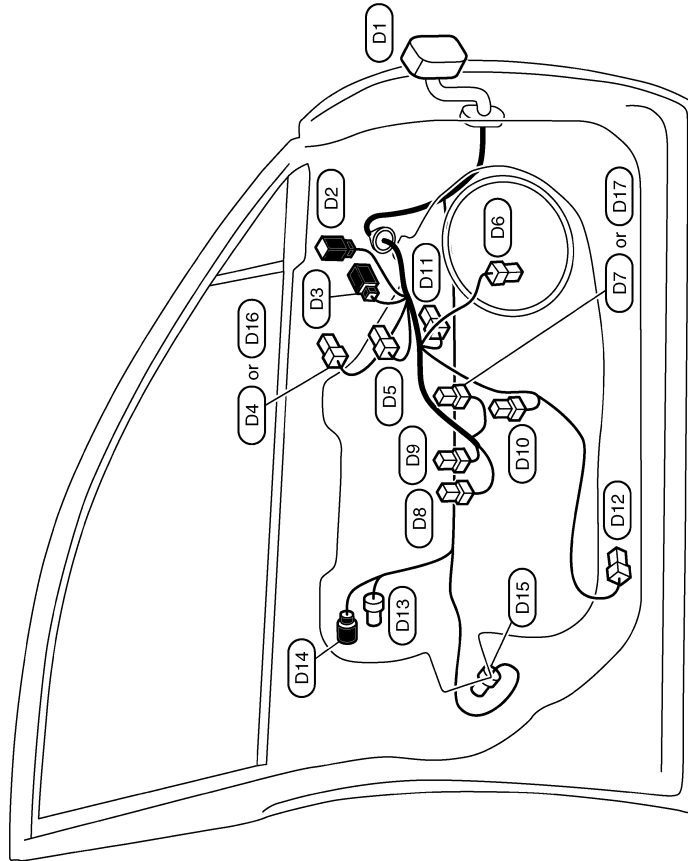
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Front Door Harness (LH Side)

INFOID:000000006207562

FRONT DOOR HARNESS (LH SIDE)



2010/08/18

JCMIM1659GB

HARNES LAYOUT

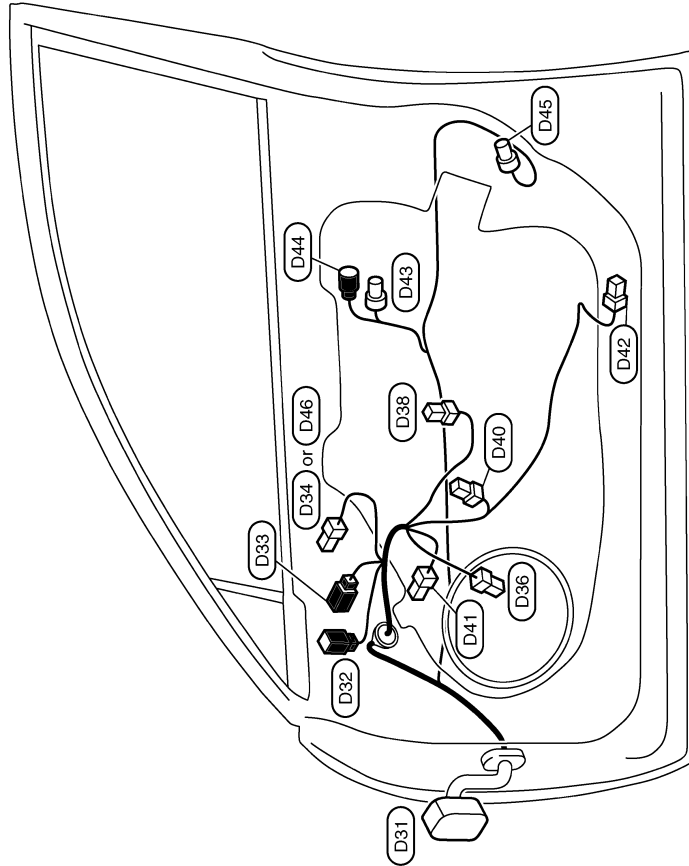
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Front Door Harness (RH Side)

INFOID:000000006207563

FRONT DOOR HARNESS (RH SIDE)



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JCMIM0545GB

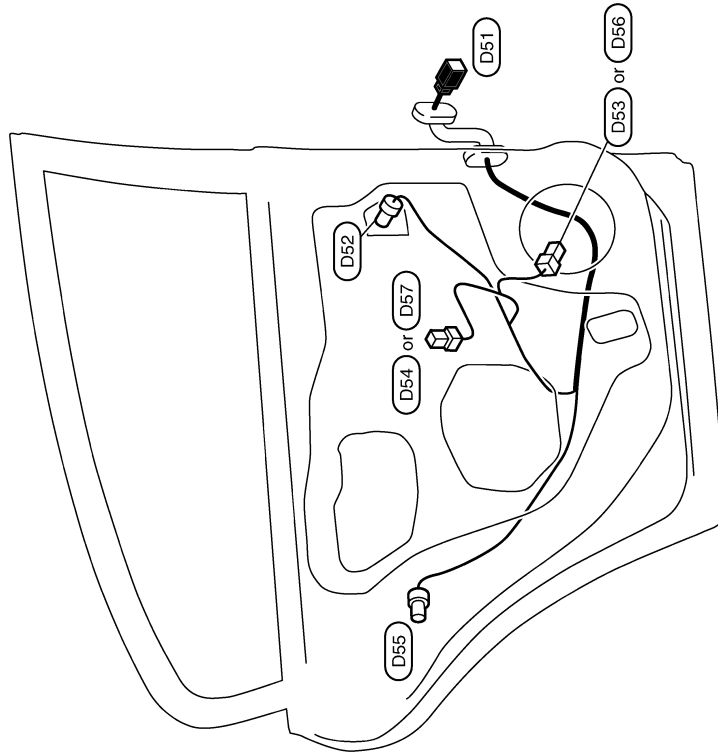
HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Rear Door Harness (LH Side)

INFOID:000000006207564



REAR DOOR HARNESS (LH SIDE)

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JCMIM1660GB

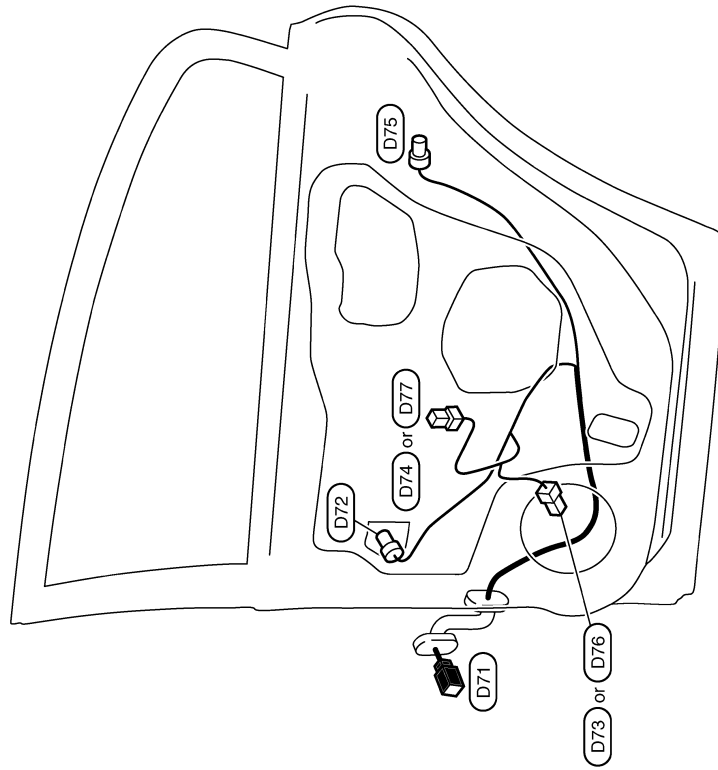
HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Rear Door Harness (RH Side)

INFOID:000000006207565



REAR DOOR HARNESS (RH SIDE)

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2010/08/18

JCMIM1661GB

HARNESS CONNECTOR

Description

INFOID:000000006207566

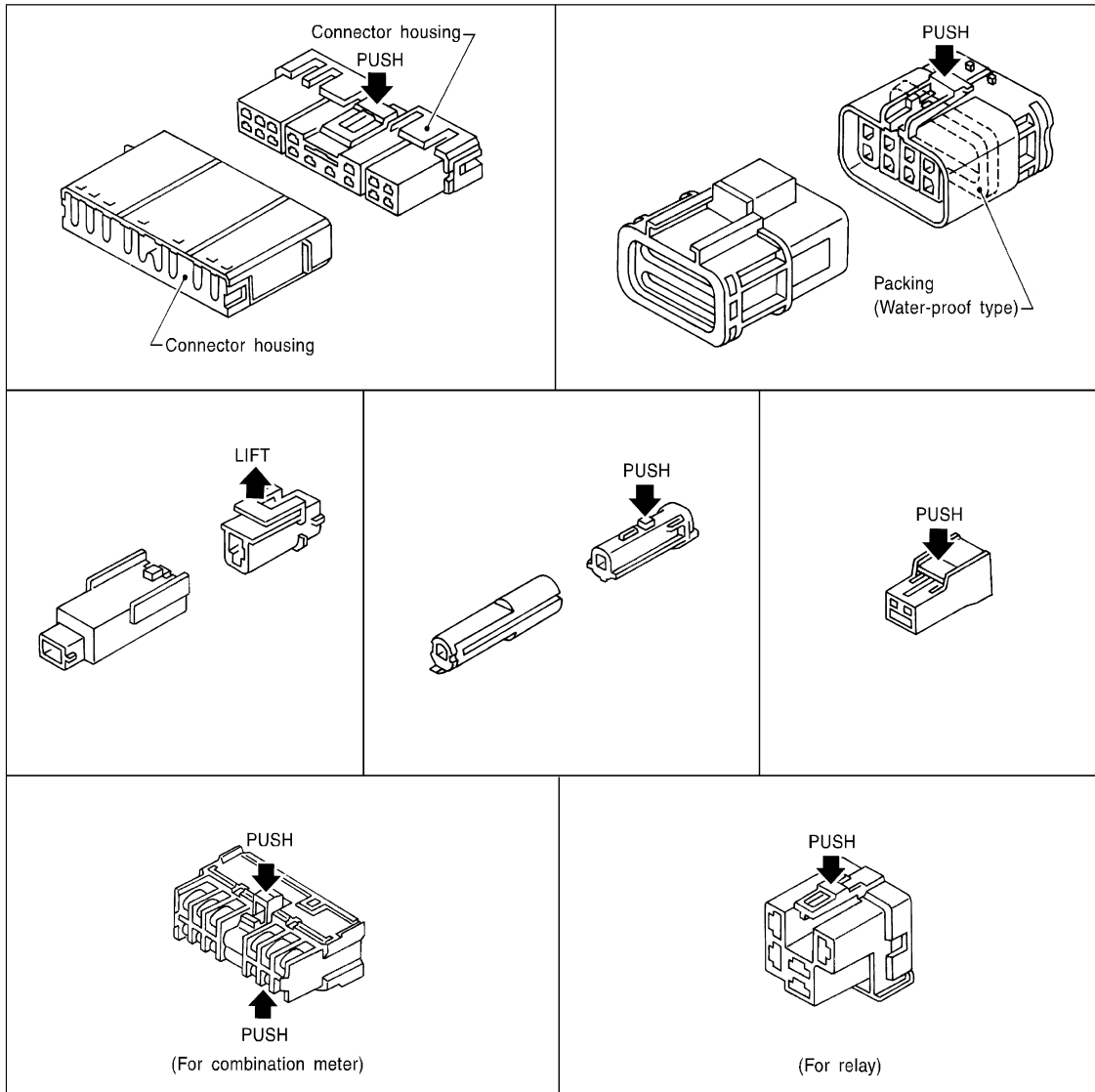
HARNESS CONNECTOR (TAB-LOCKING TYPE)

- 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

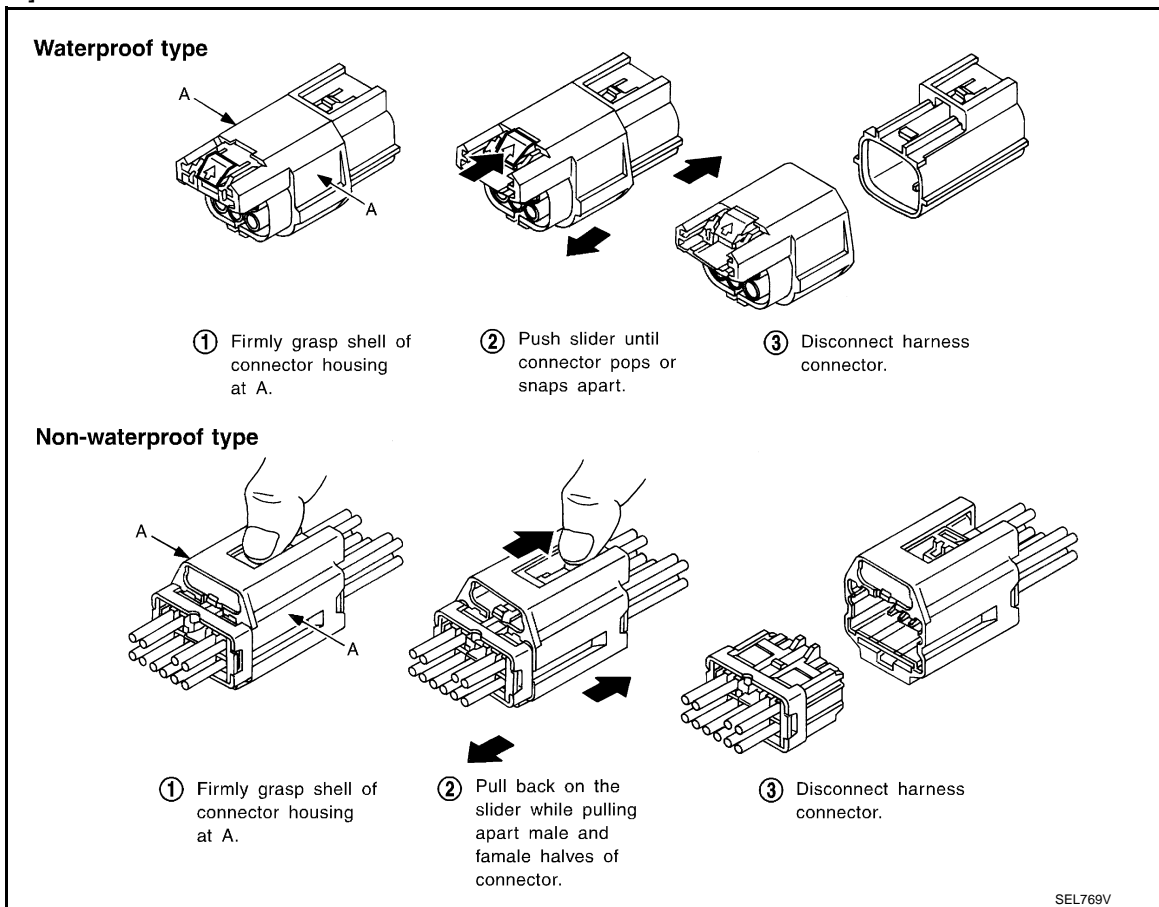
< DTC/CIRCUIT DIAGNOSIS >

[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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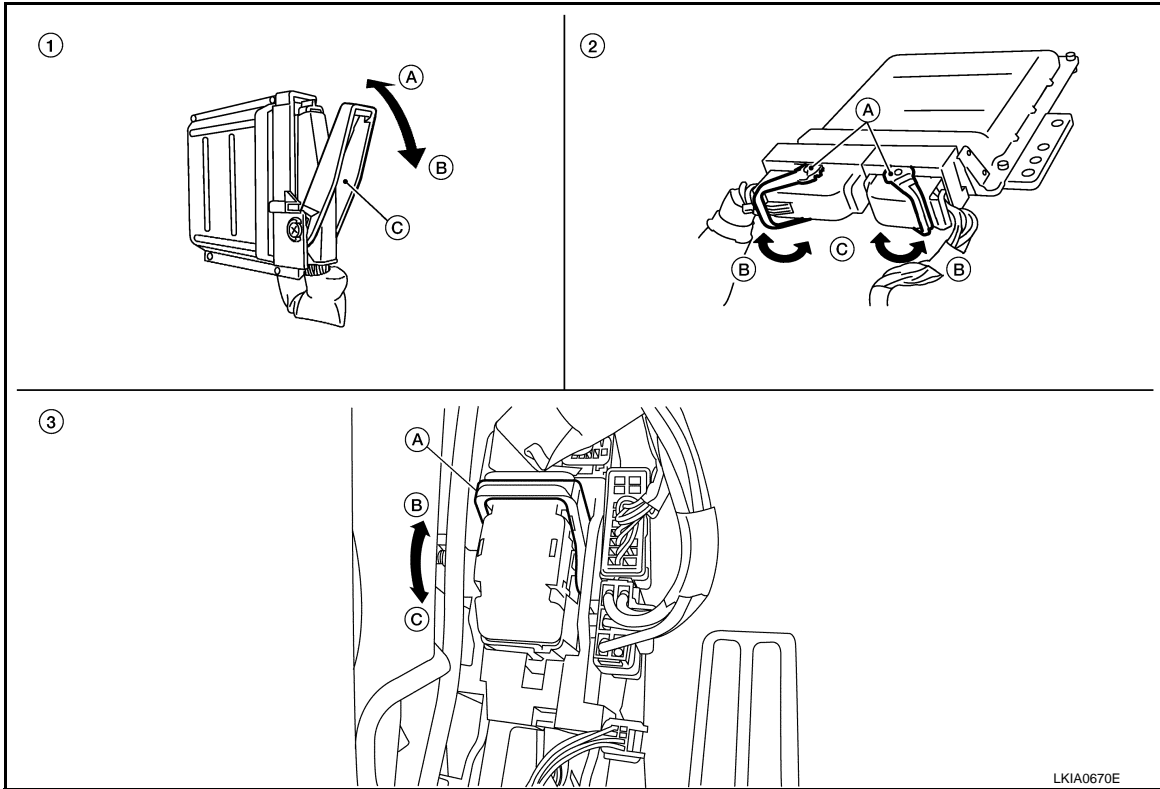
PG

HARNESS CONNECTOR

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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



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

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

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

STANDARDIZED RELAY

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

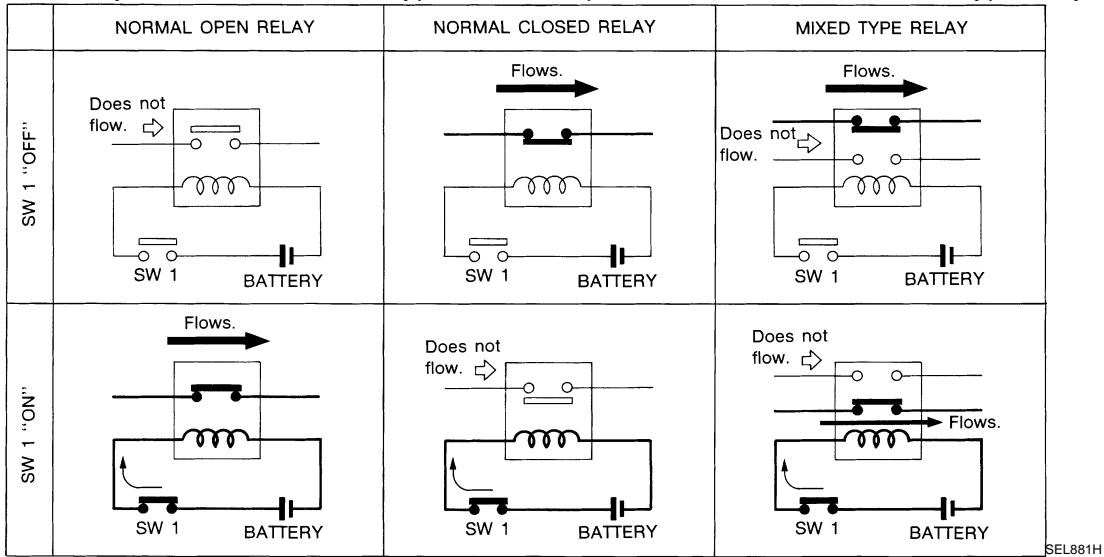
STANDARDIZED RELAY

Description

INFOID:000000006207567

NORMAL OPEN, NORMAL CLOSED AND MIXED TYPE RELAYS

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



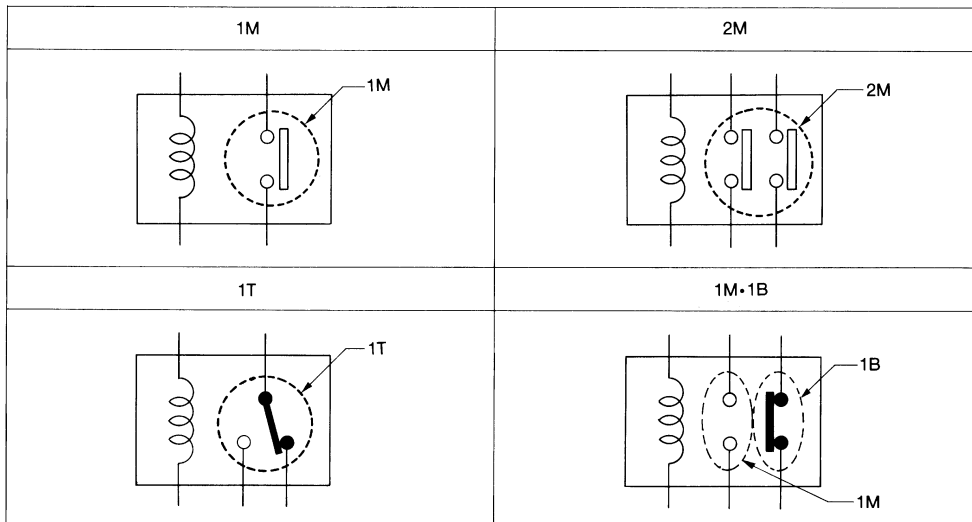
TYPE OF STANDARDIZED RELAYS

1M 1 Make

2M 2 Make

1T 1 Transfer

1M-1B 1 Make 1 Break

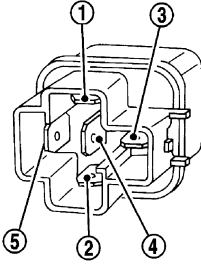
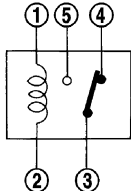
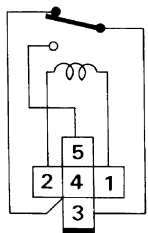
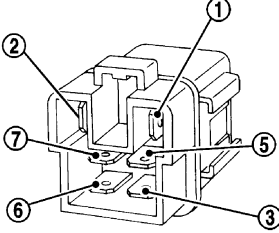
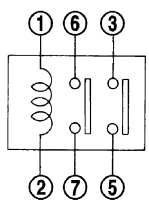
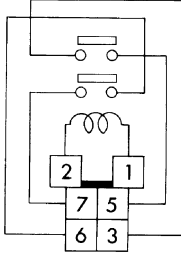
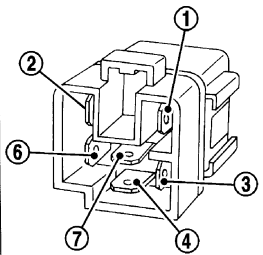
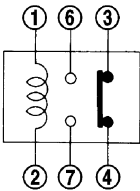
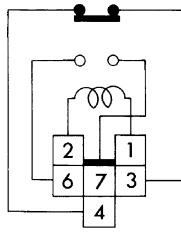
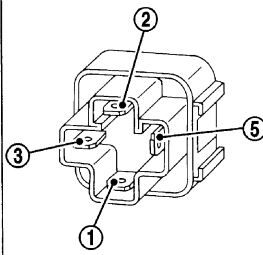
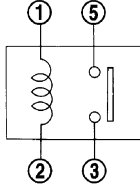
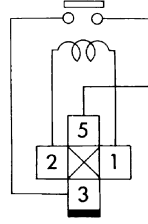
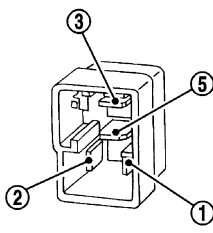
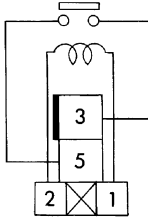


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STANDARDIZED RELAY

< 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)

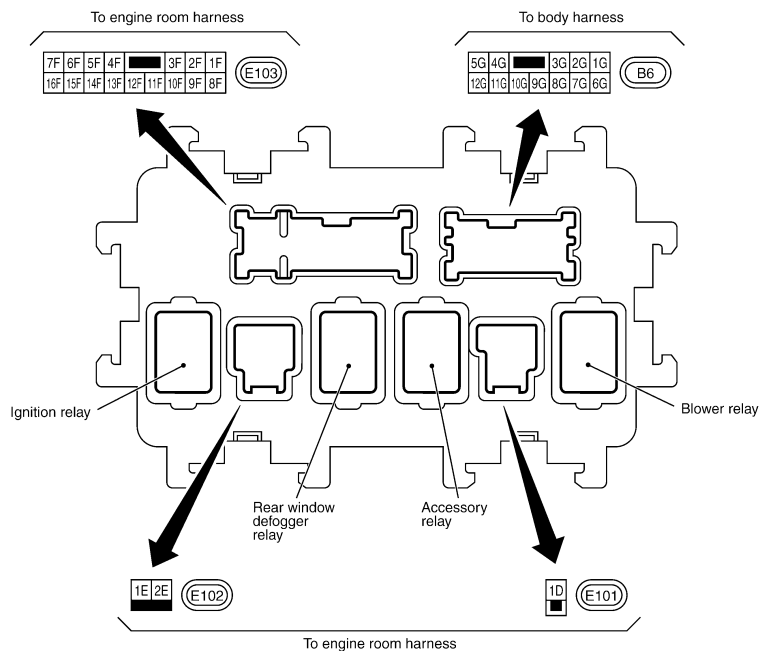
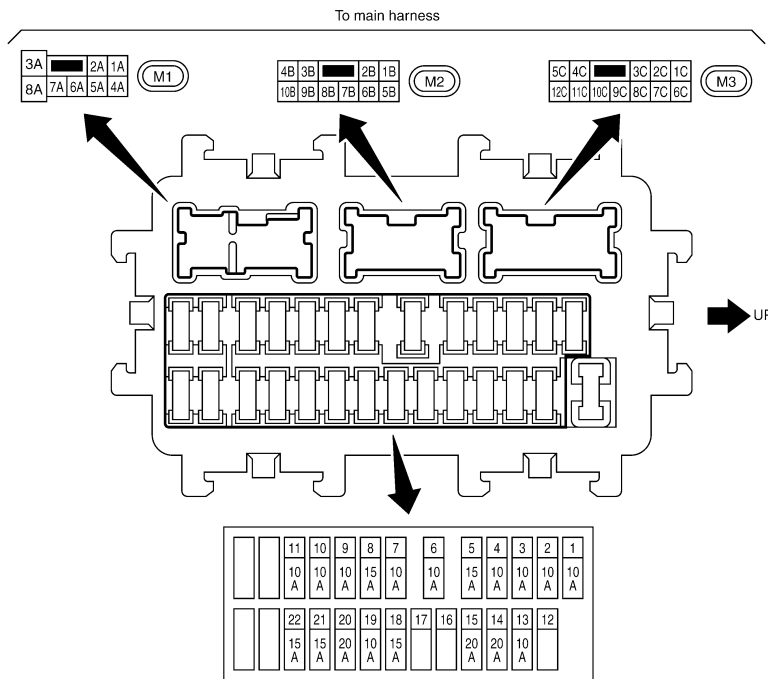
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

FUSE BLOCK - JUNCTION BOX (J/B)

Fuse, Connector and Terminal Arrangement

INFOID:000000006207568



2009/10/30

JCMWM5889GB

FUSE, FUSIBLE LINK AND RELAY BOX

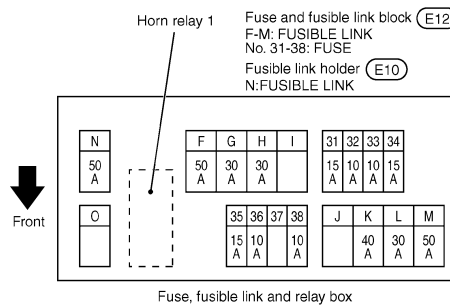
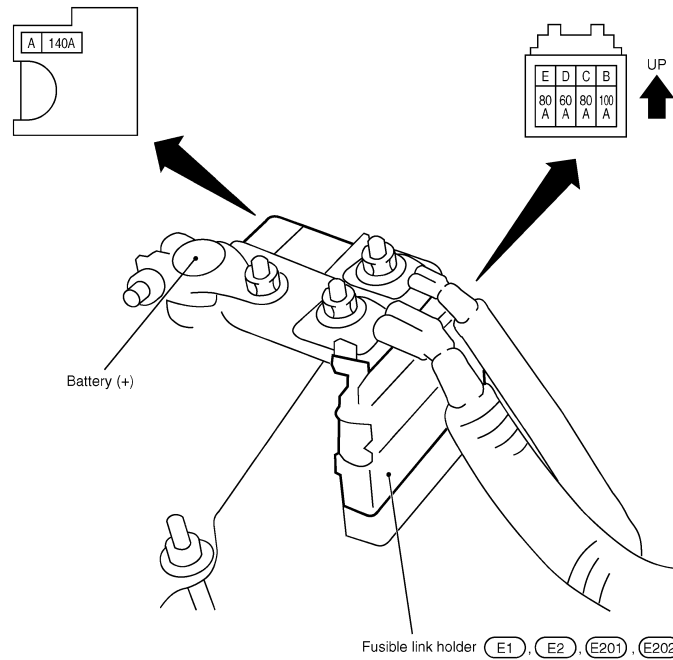
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[POWER SUPPLY & GROUND CIRCUIT]

FUSE, FUSIBLE LINK AND RELAY BOX

Fuse and Fusible Link Arrangement

INFOID:000000006207569



2010/08/18

JCMWM9862GB

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

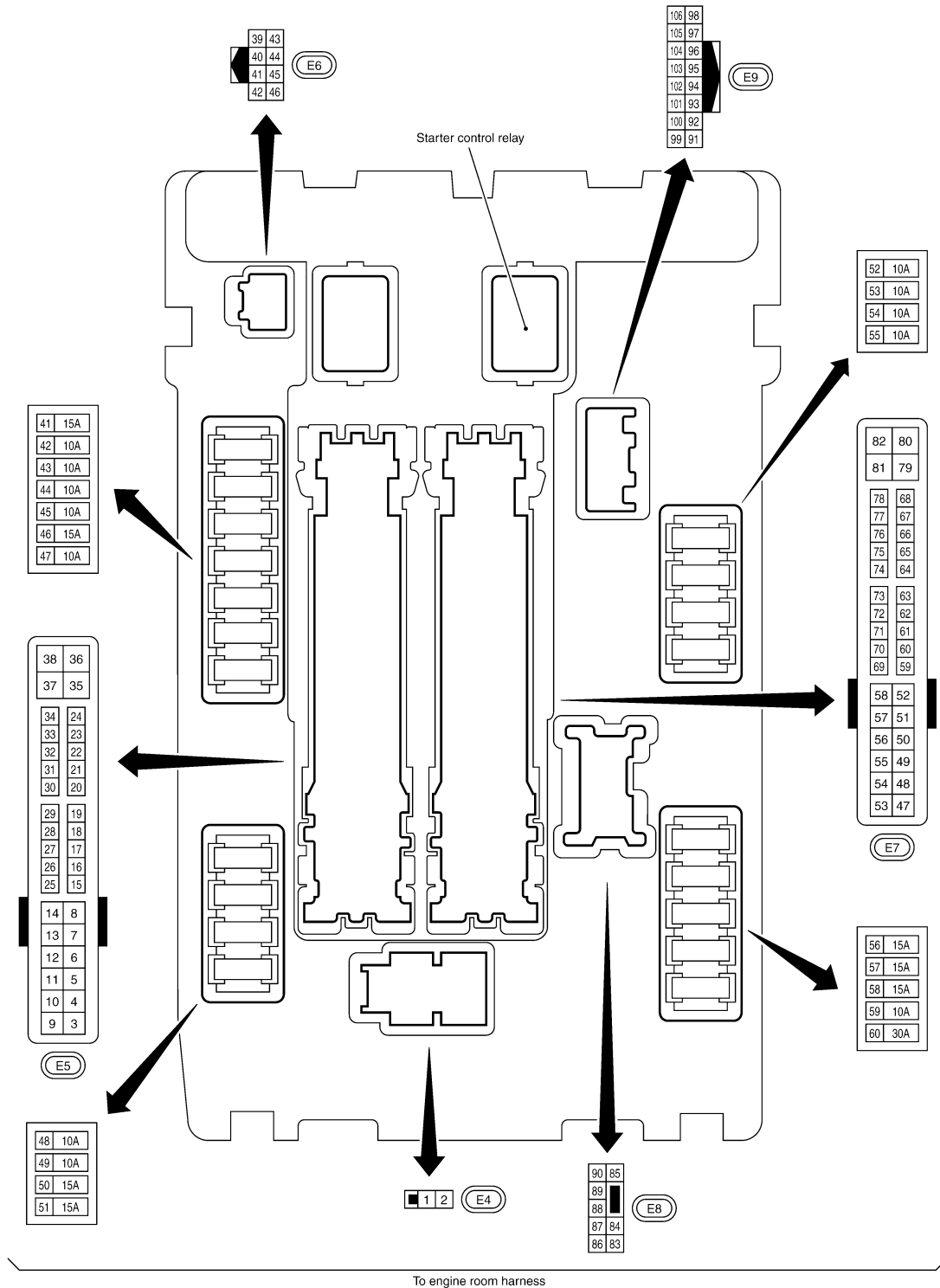
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[POWER SUPPLY & GROUND CIRCUIT]

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

Fuse, Connector and Terminal Arrangement

INFOID:000000006207570



2009/10/30

JCMWM5890GB

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PRECAUTION

PRECAUTIONS

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

INFOID:000000006207571

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:

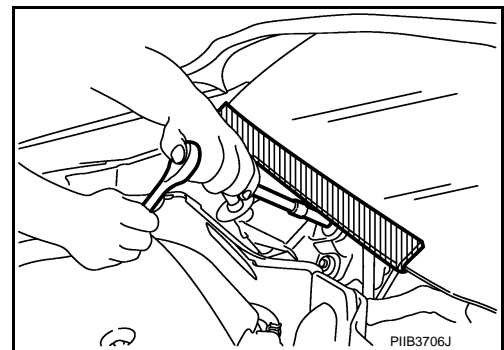
Always observe the following items for preventing accidental activation.

- 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 Procedure without Cowl Top Cover

INFOID:000000006207572

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]

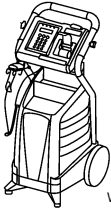
< PREPARATION >

PREPARATION

PREPARATION

Special Service Tools

INFOID:000000006207573

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]

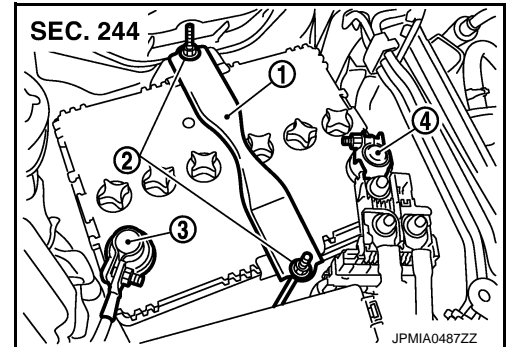
REMOVAL AND INSTALLATION

BATTERY

Exploded View

INFOID:000000006207574

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

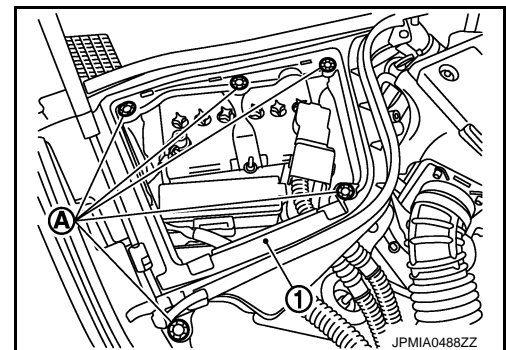


Removal and Installation

INFOID:000000006207575

REMOVAL

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

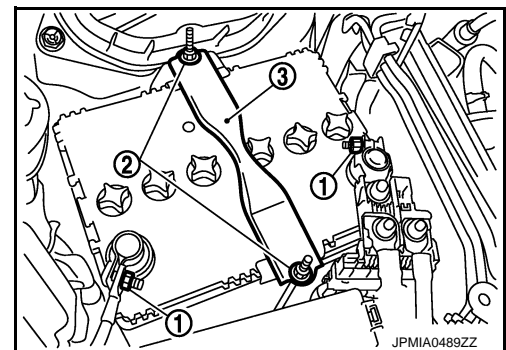


3. Remove cowl top cover (RH). Refer to [EXT-24. "Exploded View"](#).
4. Remove cover of battery positive terminal.
5. Loosen battery terminal nuts (1), and disconnect both battery cables from battery terminals.

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-58, "ADDITIONAL SERVICE WHEN REMOVING BATTERY NEGATIVE TERMINAL : Required Procedure After Battery Disconnection"](#).

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BATTERY TERMINAL WITH FUSIBLE LINK

< REMOVAL AND INSTALLATION >

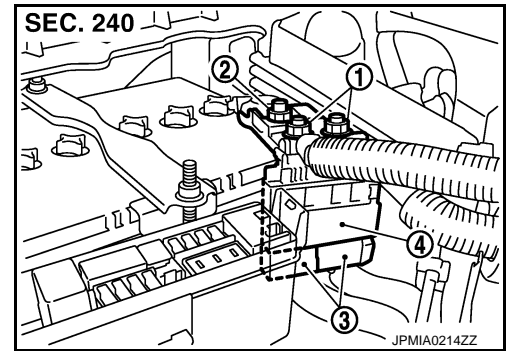
[POWER SUPPLY & GROUND CIRCUIT]

BATTERY TERMINAL WITH FUSIBLE LINK

Exploded View

INFOID:000000006207576

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

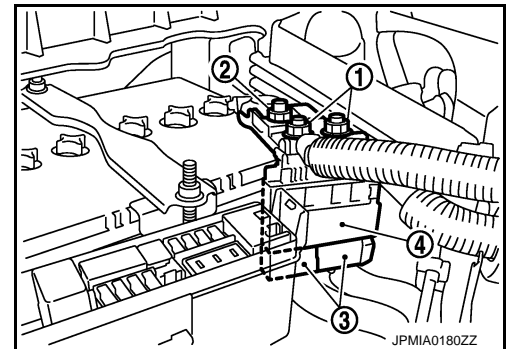


Removal and Installation

INFOID:000000006207577

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 connectors (3).
5. Remove fusible link holder mounting nut (2) 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:000000006207578

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

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