

SECTION **PG**

POWER SUPPLY, GROUND & CIRCUIT ELEMENTS

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BASIC INSPECTION

BATTERY

How to Handle Battery

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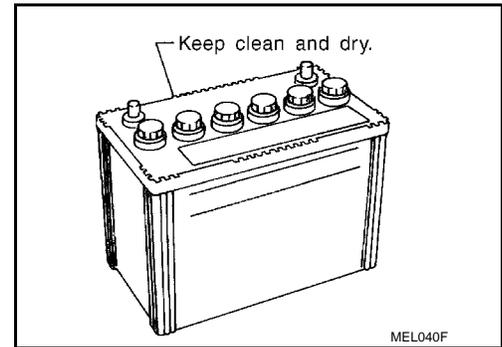
CAUTION:

- 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.

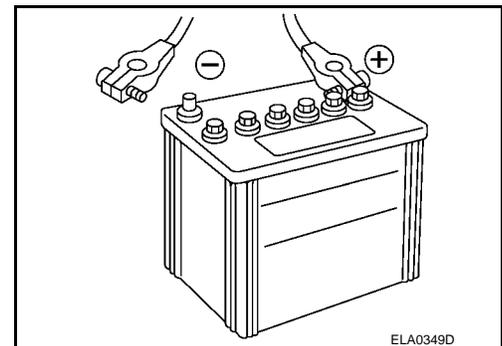
METHODS OF PREVENTING OVER-DISCHARGE

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

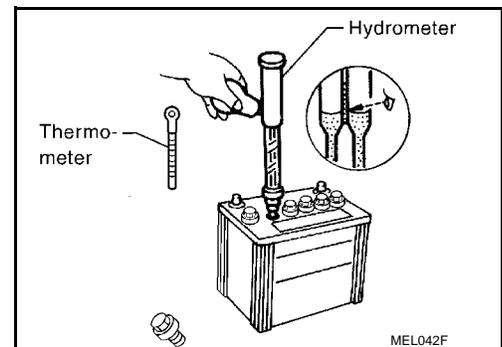
- The battery surface (particularly its top) should always be kept clean and dry.
- The terminal connections should be clean and tight.
- At every routine maintenance, check the electrolyte level. This also applies to batteries designated as "low maintenance" and "maintenance-free".



- 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.

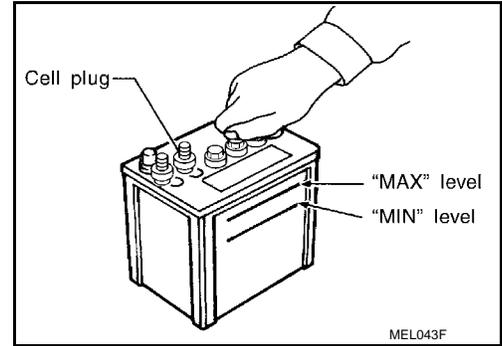
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BATTERY

[POWER SUPPLY & GROUND CIRCUIT]

< BASIC INSPECTION >

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

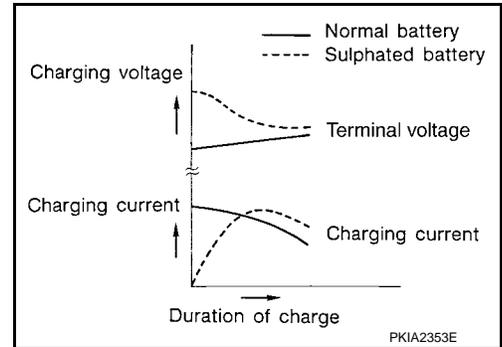


Sulphation

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.

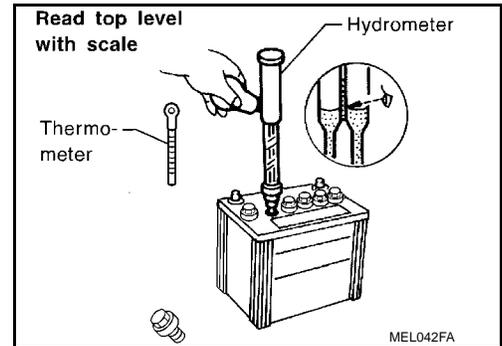
To determine if a battery has been “sulphated”, note its voltage and current when charging it. As shown in the figure, less current and higher voltage are observed in the initial stage of charging sulphated batteries.

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

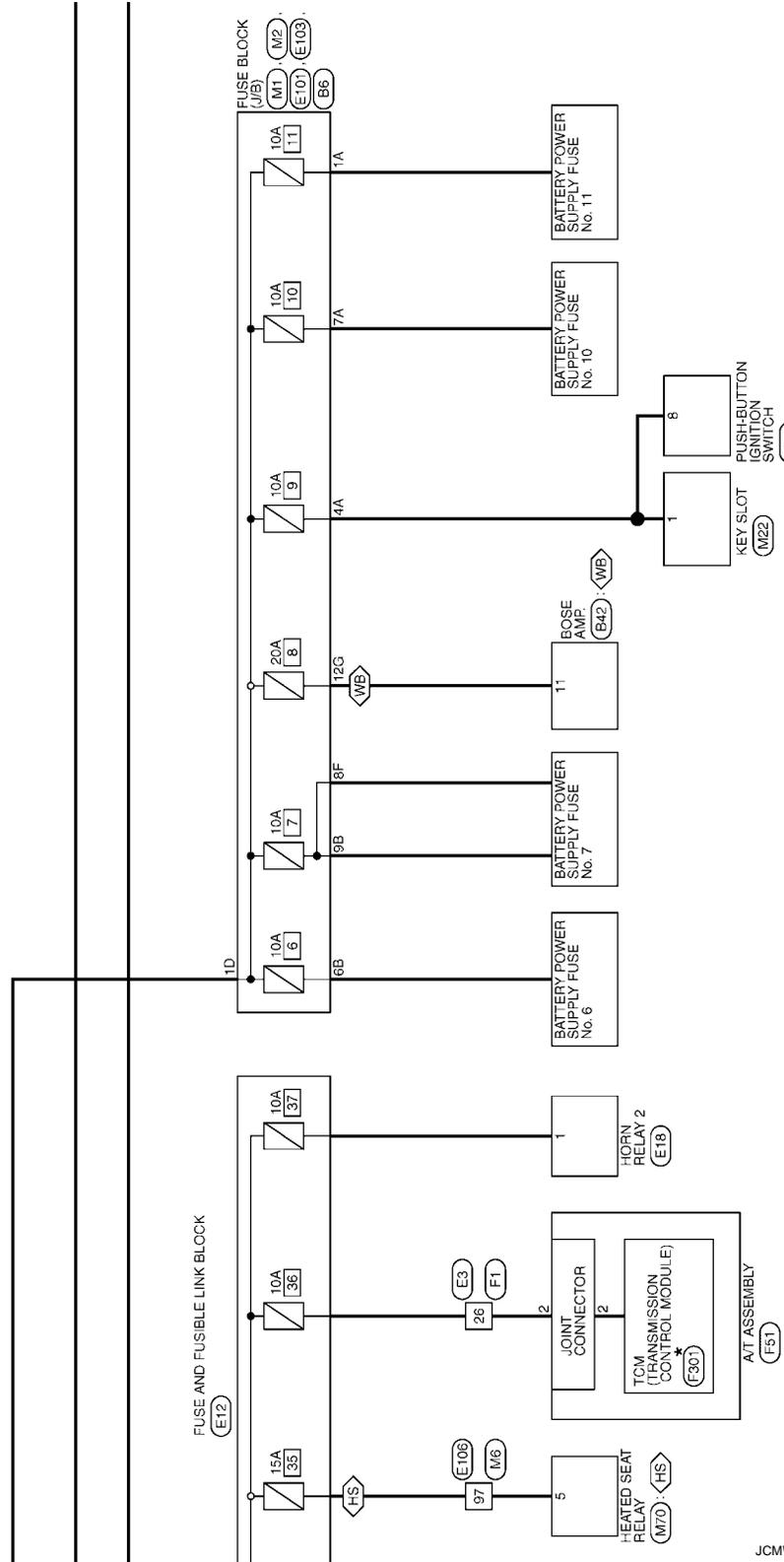
For battery testing, use Battery Service Center (J-48087). For details and operating instructions, refer to Technical Service Bulletin and/or Battery Service Center User Guide.

POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

ME : With BOSE audio
HS : With heated seat



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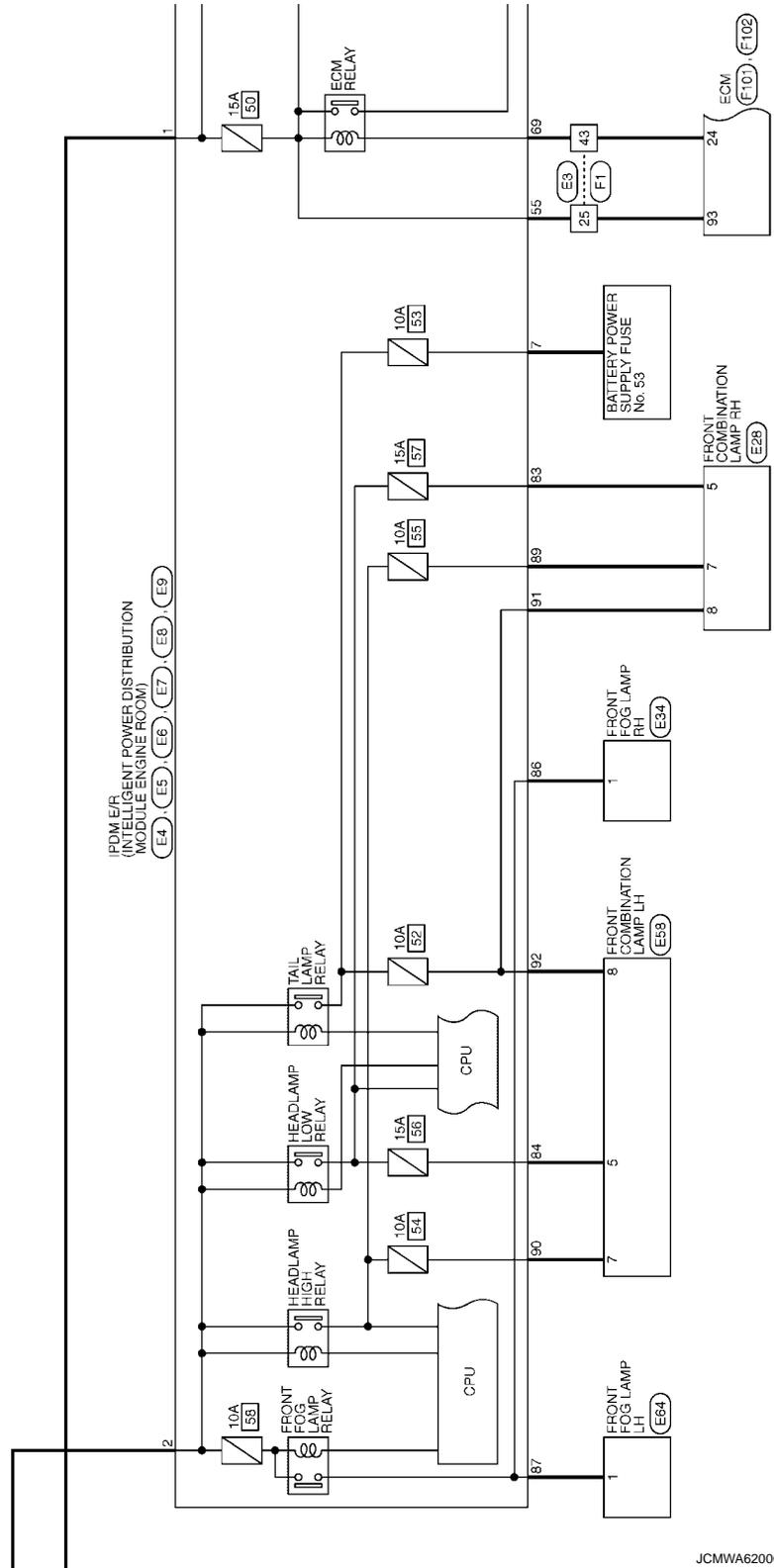
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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]



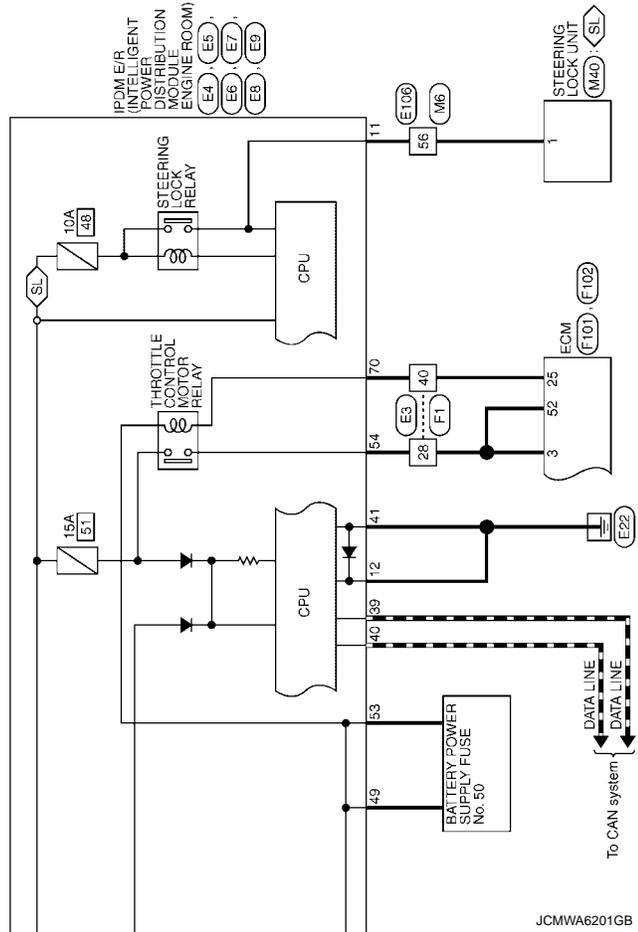
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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

◻: With steering lock unit



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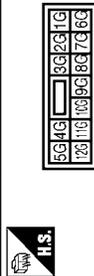
POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

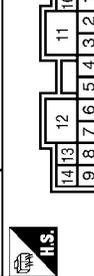
BATTERY POWER SUPPLY

Connector No.	B6
Connector Name	FUSE BLOCK (J/B)
Connector Type	HS12FER-CS



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

Connector No.	B42
Connector Name	ROSE AMP.
Connector Type	SGA12FER-SLAZ



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

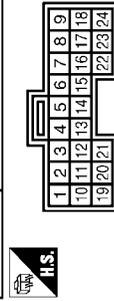
Connector No.	B201
Connector Name	WIRE TO WIRE
Connector Type	TH86FW-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	R	-
3	GR	-
4	BG	-
7	LG	-
10	W	-
15	SB	-
16	V	-
17	BR	-
26	BR	-
27	L	-
28	Y	-
29	Y	-
30	GR	-
31	R	-
32	BR	-
33	G	-
51	R	-
52	V	-
55	G	-
56	R	-
57	W	-
58	B	-
59	SHIELD	-
60	LG	-
61	W	-
62	BR	-
63	P	-
64	L	-
65	G	-
66	P	-
67	L	-
68	SHIELD	-
69	V	-
70	Y	-
71	SB	-
72	W	-
73	BR	-

75	Y	-
80	V	-
81	SB	-
82	LG	-
83	P	-
84	R	-
85	L	-
86	BG	-
87	L	-
89	P	-
91	V	-
92	R	-
94	R	-
95	SB	-
96	G	-
97	G	-
98	R	-
99	P	-
100	L	-

Connector No.	B290
Connector Name	BRAKE BOOSTER CONTROL UNIT
Connector Type	TK24FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	BATTERY
2	W	BATTERY
3	P	ITS COMM-L
5	SB	RELEASE SW PWR
8	R	BRAKE PRESSURE SEN PWR
10	G	BOOSTER SOL PWR
12	R	BOOSTER SOL GND
14	L	ITS COMM-H
15	LG	RELEASE SW (NC)
17	L	BRAKE PRESSURE SEN SIGNAL
19	B	GND
20	B	GND
21	Y	CHIME SIGNAL
22	P	RELEASE SW (NO)
24	BG	BRAKE PRESSURE SEN GND

Connector No.	E1
Connector Name	FUSIBLE LINK HOLDER
Connector Type	LO2FER-MC



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

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY

Connector No.	E3
Connector Name	WIRE TO WIRE
Connector Type	SA-33MB-RS10-SJZZ



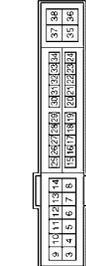
Terminal No.	Color of Wire	Signal Name [Specification]
19	W	-
20	GR	-
21	Y	-
22	G	-
23	W	-
25	SB	-
26	R	-
28	P	-
29	L	-
30	LG	-
31	LG	-
32	R	-
33	P	-
34	W	-
35	SB	-
40	BG	-
41	G	-
42	Y	-
43	BR	-
44	BG	-

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



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

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



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

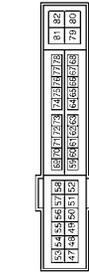
Connector No.	E6
Connector Name	POWER IN INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	TH2DFW-NH



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

45	G	-
46	R	-

Connector No.	E7
Connector Name	POWER 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	-
58	LG	-
57	G	-
58	V	-
69	BR	-
70	BG	-
74	P	-
75	SB	-
76	Y	-
77	R	-
80	W	-

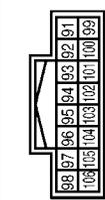
Connector No.	E8
Connector Name	POWER IN INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	INS2DFW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
83	BG	-
84	V	-

86	W	-
87	L	-
88	CS	-
89	BR	-
90	P	-

Connector No.	E9
Connector Name	POWER IN INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	TH16FW-NH



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

Connector No.	E11
Connector Name	HORN RELAY 1
Connector Type	24381.7930A



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

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POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

BATTERY POWER SUPPLY

Connector No.	E17
Connector Name	COOLING FAN RELAY
Connector Type	24247 9F800



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

Connector No.	E18
Connector Name	HORN RELAY 2
Connector Type	M02FB-R-LC



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

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



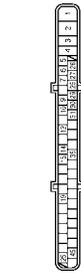
Terminal No.	Color of Wire	Signal Name [Specification]
2	B	-
3	B/Y	-
4	B/W	-
5	BG	-
6	V	-
7	BR	-
8	P	-

Connector No.	E34
Connector Name	FRONT FOG LAMP RH
Connector Type	FHZ02FB



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

Connector No.	E41
Connector Name	48S ACTUATOR AND ELECTRIC UNIT (DOWN LOCK UNIT)
Connector Type	BAA42FB-AH24-LH



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	GND
2	G	UBMR
3	R	UBVR
4	B	GND
5	Y	DS FL
6	BG	DP RL
7	BR	DP RR
9	B	DP FR
10	W	DS FR

14	P	CAN-L
25	Y	BUS-L
26	LG	DP FL
27	GR	DS RL
28	G	UZ
29	LG	DS RR
30	SB	BLS
31	R	VDC OFF SW
32	L	CAN-H
45	B	BUS-H

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



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

Connector No.	E64
Connector Name	FRONT FOG LAMP LH
Connector Type	FHZ02FB



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

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



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

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



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

JCMWA6204GB

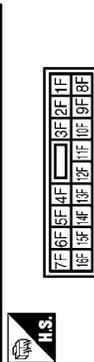
POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

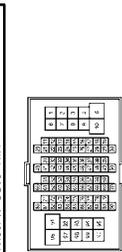
BATTERY POWER SUPPLY

Connector No.	E103
Connector Name	FUSE BLOCK (J/B)
Connector Type	MS16FN-CS



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

Connector No.	E106
Connector Name	WIPE TO WIRE
Connector Type	TH80FW-CS18-TM4

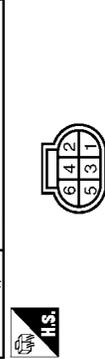


Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	W	-
3	B	-
4	GR	-
5	GR	-
8	Y	-
9	BR	-
10	BG	-
11	SB	-
12	BG	-
13	L	-
14	R	-
15	P	-
16	V	-
17	SB	-
18	V	-

20	BG	-	-	-	-
21	L	-	-	-	-
22	V	-	-	-	-
23	G	-	-	-	-
24	P	-	-	-	-
25	Y	-	-	-	-
26	V	-	-	-	-
27	W	-	-	-	-
28	G	-	-	-	-
31	BG	-	-	-	-
32	W	-	-	-	-
33	B	-	-	-	-
34	R	-	-	-	-
35	G	-	-	-	-
36	SHIELD	-	-	-	-
37	V	-	-	-	-
38	BR	-	-	-	-
39	BG	-	-	-	-
41	W	-	-	-	-
42	G	-	-	-	-
43	BR	-	-	-	-
45	W	-	-	-	-
49	L	-	-	-	-
50	P	-	-	-	-
51	L	-	-	-	-
52	L	-	-	-	-
53	P	-	-	-	-
54	BG	-	-	-	-
56	BR	-	-	-	-
57	BR	-	-	-	-
59	W	-	-	-	-
60	LG	-	-	-	-
61	G	-	-	-	-
62	SR	-	-	-	-
63	W	-	-	-	-
64	B	-	-	-	-
65	G	-	-	-	-
66	R	-	-	-	-
67	SHIELD	-	-	-	-
68	Y	-	-	-	-
69	LG	-	-	-	-
70	W	-	-	-	-
71	R	-	-	-	-
72	Y	-	-	-	-
73	B	-	-	-	-
74	BR	-	-	-	-
74	L	-	-	-	-
75	G	-	-	-	-
75	W	-	-	-	-
76	W	-	-	-	-
76	Y	-	-	-	-
76	Y	-	-	-	-
77	R	-	-	-	-

77	P	-	-	-	-
78	L	-	-	-	-
78	BR	-	-	-	-
79	Y	-	-	-	-
79	L	-	-	-	-
80	SB	-	-	-	-
81	R	-	-	-	-
82	SB	-	-	-	-
83	BG	-	-	-	-
84	G	-	-	-	-
85	L	-	-	-	-
86	P	-	-	-	-
89	GR	-	-	-	-
90	SHIELD	-	-	-	-
91	W	-	-	-	-
92	Y	-	-	-	-
93	V	-	-	-	-
94	LG	-	-	-	-
95	BG	-	-	-	-
96	P	-	-	-	-
97	R	-	-	-	-
98	SHIELD	-	-	-	-
99	L	-	-	-	-
100	P	-	-	-	-

Connector No.	E113
Connector Name	ACCELERATOR PEDAL ACTUATOR
Connector Type	KD208FB



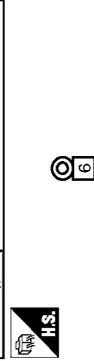
Terminal No.	Color of Wire	Signal Name [Specification]
1	R	IGNITION
2	BG	BATTERY
3	P	ITS COMM-L
4	B/W	GND
5	L	ITS COMM-H

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



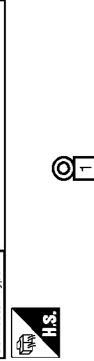
Terminal No.	Color of Wire	Signal Name [Specification]
5	Y	-

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



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

Connector No.	E203
Connector Name	ALTERNATOR
Connector Type	-



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

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

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY

Connector No.	E204
Connector Name	STARTER MOTOR
Connector Type	



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

Connector No.	F1
Connector Name	WIRE TO WIRE
Connector Type	SAA30FE-RS (O-S-I)Z



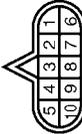
Terminal No.	Color of Wire	Signal Name [Specification]
19	W	-
20	GR	-
21	P	-
22	G	-
23	W	-
24	B	-
26	BR	-
28	R	-
29	L	-
30	Y	-
31	V	-
32	LG	-
33	GR	-
34	G	-
35	Y	-
40	BG	-
41	SB	-
42	P	-
43	BR	-
44	BG	-

Connector No.	F36
Connector Name	ALTERNATOR
Connector Type	H30GFB



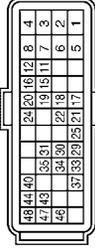
Terminal No.	Color of Wire	Signal Name [Specification]
2	G	L
3	V	S
4	P	C

Connector No.	F51
Connector Name	A/T ASSEMBLY
Connector Type	FK (DFG-DGY)



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

Connector No.	F101
Connector Name	ECM
Connector Type	RM06FB-R2B-L-UH-Z



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	AFH1
2	G	MOTOR1-1
3	R	VMOT1
4	BR	MOTOR1-2
5	GR	AFH2
6	SB	EVTC#1
7	Y	EVTC#2
8	B	GND
11	GR	IGN#4
12	L	IGN#3
15	V	IGN#5
16	G	IGN#2
17	P	DPHR1
18	W	CVTC#1
19	SB	IGN#6
20	Y	IGN#1
21	GR	EVAP
22	LG	FPR
24	BR	SSOFF
25	BG	MOTRLY1
26	G	CVTC#2
30	Y	TPSL-1
31	R	TPSL-2
33	SB	OPR#2
34	L	TPSZ-1
35	W	TPSZ-2
37	LG	POS
40	R	GND-A(TPS)
43	G	AVCC-TPS
44	B	AVCC-TPS
46	R	AVCC-TPS
47	Y	GND-POS
48	B	GND-IMPRES

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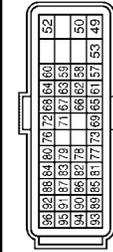
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY

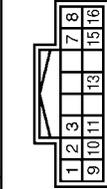
Connector No.	F102
Connector Name	ECM
Connector Type	RH40FBR-R28-L-LH-Z



Terminal No.	Color of Wire	Signal Name [Specification]
48	L	MOTOR 2-2
50	V	MOTOR 2-1
52	R	VMOT12
53	P	IGNSW
57	L	AF-1
58	GR	E-PHASE#1
59	EG	PHASE#1
60	R	AVCC-PHASE#1
61	R	AF-1
62	G	E-PHASE#2
63	SB	PHASE#2
64	W	AVCC-PHASE#2
65	V	AF-2
66	LG	AF-2
67	P	TA1
68	LG	GNDA GA-TA
69	W	KWK2
71	Y	TW
72	SHIELD	GNDA-A
73	W	KWK1
76	W	O2SR1
77	SB	GA1+
78	G	TO1
79	GR	GA2-
80	EG	O2SR2
81	R	INJ#3
82	V	INJ#6
83	G	TA-2
84	B	GNDA O2-TW-TO
85	BR	INJ#2
86	W	INJ#5
87	Y	PSPRES
88	LG	GNDA-A
89	GR	INJ#1
90	EG	INJ#4
91	SB	CURSEN
92	P	GNDA-PHASE#2
93	P	BATT

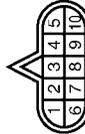
94	LG	GNDA-PSPRES
95	G	GNDA-CURSEN
96	B	GNDA-A

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



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

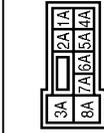
Connector No.	F301
Connector Name	TCM (TRANSMISSION CONTROL MODULE)
Connector Type	SP10FG



Terminal No.	Color of Wire	Signal Name [Specification]
1	-	VIGN
2	-	BATT
3	-	CAN-H
4	-	K LINE
5	-	GNDA
6	-	VIGN

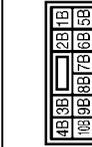
7	-	REV / LAMP RLY
8	-	CAN-L
9	-	START RLY
10	-	GND

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



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

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



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

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J
K
L
PG
N
O
P

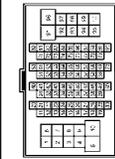
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TH80MY-CS (F-TM)

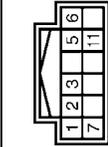


Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	R	-
3	B	-
4	SHIELD	-
5	G	-
6	Y	-
8	BR	-
9	GR	-
10	R	-
11	BR	-
12	EG	-
13	L	-
14	R	-
15	P	-
16	V	-
17	SB	-
18	V	-
20	EG	-
21	L	-
22	W	-
23	P	-
24	BR	-
25	Y	-
26	V	-
27	G	-
28	G	-
31	L	-
32	G	-
33	B	-
34	W	-
35	R	-
36	SHIELD	-
37	V	-
38	EG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

49	L	-
50	P	-
51	BR	-
52	R	-
53	P	-
54	Y	-
56	BR	-
57	G	-
59	W	-
60	L	-
61	G	-
62	SB	-
63	G	-
64	B	-
65	W	-
66	R	-
67	SHIELD	-
68	Y	-
69	GR	-
70	LG	-
71	LG	-
72	Y	-
73	SR	-
74	BR	- [With ICC] - [Without ICC]
75	G	-
76	W	- [With ICC] - [Without ICC]
77	R	- [With ICC] - [Without ICC]
78	L	- [With ICC] - [Without ICC]
78	R	- [With ICC] - [Without ICC]
79	Y	- [With ICC] - [Without ICC]
79	W	- [With ICC] - [Without ICC]
80	SR	-
81	SR	-
82	SB	-
83	Y	-
84	G	-
85	L	-
86	P	-
87	W	-
89	GR	-
90	SHIELD	-
91	W	-
92	Y	-
93	BR	-
94	P	-
95	GR	-
96	W	-
97	L	-
98	SHIELD	-

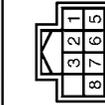
98	V	-
100	SB	-

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



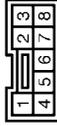
Terminal No.	Color of Wire	Signal Name [Specification]
1	R	BAT
2	GR	CLOCK
3	W	DATA
5	Y	LIL.BAT
6	LG	LIL
7	B	GND
11	BR	KEY SWITCH SIGNAL

Connector No.	M40
Connector Name	STEERING LOCK UNIT
Connector Type	TH88FW-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 COND.L1 ON
5	B	GND
6	B	GND
7	W	S/L 12V (CPU)
8	P	S/L COND.L1 ON2

Connector No.	M60
Connector Name	PUSH-BUTTON IGNITION SWITCH
Connector Type	TK08FBR



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

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



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

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POWER SUPPLY ROUTING CIRCUIT

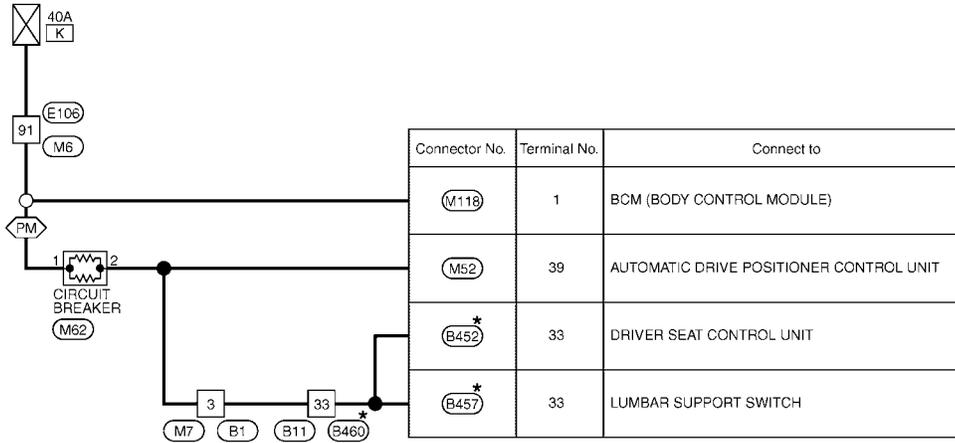
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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

INFOID:000000006347831

⬡PM⬡ : With automatic drive positioner



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

2008/08/28

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POWER SUPPLY ROUTING CIRCUIT

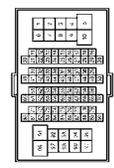
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

98	SHIELD	-
99	L	-
100	P	-

49	L	-	-
50	P	-	-
51	L	-	-
52	L	-	-
53	P	-	-
54	BG	-	-
56	BR	-	-
57	BR	-	-
59	W	-	-
60	LG	-	-
61	G	-	-
62	SB	-	-
63	W	-	-
64	B	-	-
65	G	-	-
66	R	-	-
67	SHIELD	-	-
68	Y	-	-
68	LG	-	-
70	W	-	-
71	R	-	-
71	Y	-	-
72	Y	-	-
73	B	-	-
74	BR	-	- [With ICC]
74	L	-	- [Without ICC]
75	G	-	- [With ICC]
75	W	-	- [Without ICC]
76	W	-	- [With ICC]
76	Y	-	- [Without ICC]
77	R	-	- [With ICC]
77	P	-	- [Without ICC]
78	L	-	- [With ICC]
78	BR	-	- [Without ICC]
79	Y	-	- [With ICC]
79	L	-	- [Without ICC]
80	SB	-	-
81	R	-	-
82	SB	-	-
83	BG	-	-
84	G	-	-
85	L	-	-
86	P	-	-
87	V	-	-
88	GR	-	-
90	SHIELD	-	-
91	W	-	-
92	Y	-	-
93	V	-	-
94	LG	-	-
95	BG	-	-
96	P	-	-
97	R	-	-

BATTERY POWER SUPPLY FUSIBLE
 Connector No. E106
 Connector Name WIRE TO WIRE
 Connector Type TH80FY-CST16-TM4



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

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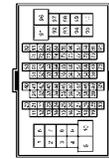
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSIBLE LINK No. K

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS 6-TM4

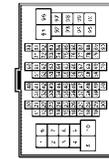


Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	R	-
3	B	-
4	SHIELD	-
5	G	-
6	Y	-
8	BR	-
9	BR	-
10	R	-
11	BR	-
12	BG	-
13	L	-
14	R	-
15	P	-
16	V	-
17	SB	-
18	V	-
20	BG	-
21	L	-
22	W	-
23	P	-
24	BR	-
25	Y	-
26	V	-
27	G	-
28	G	-
31	L	-
32	G	-
33	B	-
34	W	-
35	R	-
36	SHIELD	-
37	V	-
38	BG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

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

99	V	-	-
100	SB	-	-

Connector No.	M7
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS 18-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
3	SB	- [With automatic drive positioner]
3	W	- [Without automatic drive positioner]
5	G	-
5	BG	-
7	W	-
8	B	-
12	SB	-
13	LG	-
14	Y	-
15	G	-
17	W	-
18	SB	-
19	LG	-
20	BR	-
21	SHIELD	-
22	Y	-
24	V	-
27	B	-
28	W	-
29	R	-
30	SHIELD	-
31	L	-
32	P	-
33	SB	-
34	L	-
35	P	-
38	L	-
37	P	-
38	BR	-
39	Y	-
44	L	-
45	GR	-
46	LG	-
47	SB	-

49	V	-	-
50	P	-	-
60	P	-	-
61	L	-	-
62	SHIELD	-	-
63	R	-	-
64	G	-	-
65	SHIELD	-	-
66	SS	-	-
67	V	-	-
68	LG	-	-
69	SHIELD	-	-
70	W	-	-
73	G	-	-
74	R	-	-
75	W	-	-
76	W	-	-
77	B	-	-
78	P	-	-
79	GR	-	-
83	BG	-	-
85	LG	-	-
85	R	-	-
87	Y	-	-
88	W	-	-
89	BR	-	-
90	BG	-	-
91	G	-	-
92	V	-	-
93	BR	-	-
94	V	-	-
95	G	-	-
96	Y	-	-
98	W	-	-
99	R	-	-

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JCMWA6212GB

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSIBLE LINK No. K

Connector No.	M52
Connector Name	AUTOMATIC DRIVE POSITIONER CONTROL UNIT
Connector Type	MS16FW-CS



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



Connector No.	M52
Connector Name	CIRCUIT BREAKER
Connector Type	MO2FW-P-LC

Connector No.	M118
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	MO2FB-LC



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

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

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POWER SUPPLY ROUTING CIRCUIT

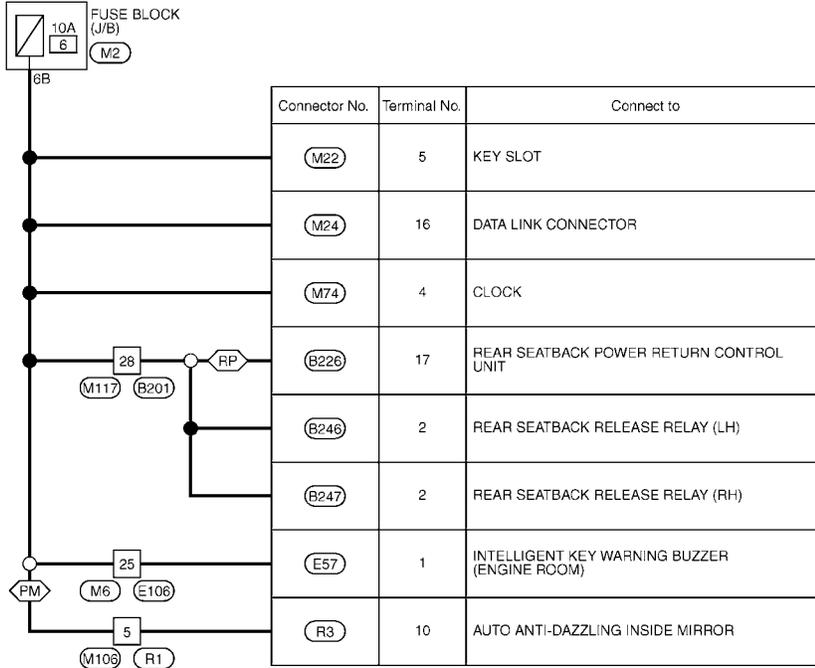
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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

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 : With automatic drive positioner
 : With rear seatback power return system



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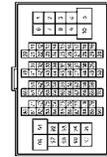
POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

BATTERY POWER SUPPLY FUSE No. 6

Connector No.	B201
Connector Name	WIRE TO WIRE
Connector Type	TH80FY-CST16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	R	-
3	GR	-
4	BG	-
7	LG	-
10	W	-
15	SB	-
16	V	-
17	BR	-
26	BR	-
27	L	-
28	Y	-
29	Y	-
30	GR	-
31	R	-
32	BR	-
33	G	-
51	R	-
52	V	-
55	G	-
56	R	-
57	W	-
58	B	-
59	SHIELD	-
60	LG	-
61	W	-
62	BR	-
63	P	-
64	L	-
65	G	-
66	P	-
67	L	-
68	SHIELD	-
69	V	-
70	Y	-
71	SB	-
72	W	-
73	BR	-

Terminal No.	Color of Wire	Signal Name [Specification]
75	Y	-
80	V	-
81	SB	-
82	LG	-
83	P	-
84	R	-
85	L	-
86	BG	-
87	L	-
88	P	-
91	V	-
92	R	-
94	R	-
95	SB	-
96	G	-
97	G	-
98	R	-
99	P	-
100	L	-

Connector No.	B226
Connector Name	REAR SEATBACK POWER RETURN CONTROL UNIT
Connector Type	YAA16FW



Terminal No.	Color of Wire	Signal Name [Specification]
17	Y	BAT (SYSTEM)
20	P	FLIP UP SW RH
21	GR	PRIMARY POSITION L/S (LH)
22	BR	PRIMARY POSITION L/S (RH)
23	BG	GND (RH L/S)
24	BR	SPEED BP
28	LG	FLIP UP SW LH
29	W	RETURN COMPLETE L/S (LH)
30	R	RETURN COMPLETE L/S (RH)
31	L	GND (LH L/S)
32	B	GND (SIGNAL)

Connector No.	B246
Connector Name	REAR SEATBACK RELEASE RELAY (LH)
Connector Type	MS22FL-M2-LG



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

Connector No.	B247
Connector Name	REAR SEATBACK RELEASE RELAY (RH)
Connector Type	MS22FT-M2-L C



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

Connector No.	E57
Connector Name	INTELLIGENT KEY WARNING BUZZER/ENGINE ROOM
Connector Type	RK03FBR



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

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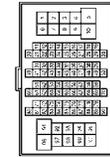
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE No. 6

Connector No.	E105
Connector Name	WIRE TO WIRE
Connector Type	TH80PW-CS16-TM4



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

49	L		
50	P		
51	L		
52	L		
53	P		
54	BG		
56	BR		
57	BR		
59	W		
60	LG		
61	G		
62	SB		
63	W		
64	B		
65	G		
66	R		
67	SHIELD		
68	Y		
68	LG		
70	W		
71	R		
72	Y		
73	B		
74	BR		
74	L		
75	G		
75	W		
76	W		
76	Y		
77	R		
77	P		
78	L		
78	BR		
79	Y		
79	L		
80	SB		
81	R		
82	SB		
83	BG		
84	G		
85	L		
86	P		
87	V		
88	GR		
90	SHIELD		
91	W		
92	Y		
93	V		
94	LG		
95	BG		
96	P		
97	R		

98	SHIELD		
98	L		
100	P		

Connector No.	M2
Connector Name	FUSE BLOCK (J/B)
Connector Type	MS10FW-CS



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

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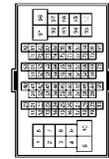
POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

BATTERY POWER SUPPLY FUSE No. 6

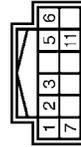
Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS (F-TM)



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

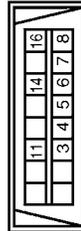
98	V	-
100	SB	-

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



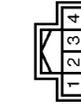
Terminal No.	Color of Wire	Signal Name [Specification]
1	R	BAT
2	GR	CLOCK
3	W	DATA
5	Y	ILL.BAT
6	LG	ILL
7	B	GND
11	BR	KEY SWITCH SIGNAL

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



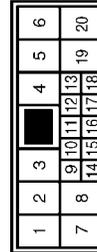
Terminal No.	Color of Wire	Signal Name [Specification]
3	LG	-
4	B	-
5	B	-
6	L	-
7	V	-
8	G	-
11	SB	-
14	P	-
16	Y	-

Connector No.	M74
Connector Name	CLOCK
Connector Type	TH10FW-NH



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

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



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	SHIELD	-
3	L	-
4	W	-
5	Y	-
7	BR	-
8	Y	-
9	B	-
10	R	-
11	V	-
12	R	-
13	LG	-
14	R	- [With NAV]
14	Y	- [Without NAV]
15	SHIELD	-
16	G	- [With NAV]
16	BR	- [Without NAV]
18	B	-

49	L	-
50	P	-
51	BR	-
52	R	-
53	P	-
54	Y	-
56	BR	-
57	G	-
59	W	-
60	L	-
61	G	-
62	SB	-
63	G	-
64	B	-
65	W	-
66	R	-
67	SHIELD	-
68	Y	-
69	GR	-
70	LG	-
71	LG	-
72	Y	-
73	SB	-
74	BR	- [With ICC]
74	L	- [Without ICC]
75	G	-
76	W	- [With ICC]
76	GR	- [Without ICC]
77	R	- [With ICC]
77	P	- [Without ICC]
78	L	- [With ICC]
78	R	- [Without ICC]
79	Y	- [With ICC]
79	W	- [Without ICC]
80	SB	-
81	SB	-
82	SB	-
83	Y	-
84	G	-
85	L	-
86	P	-
87	W	-
89	GR	-
90	SHIELD	-
91	W	-
92	Y	-
93	BR	-
94	P	-
95	GR	-
96	W	-
97	L	-
98	SHIELD	-

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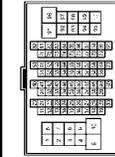
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE No. 6

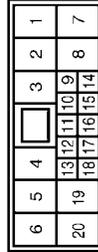
Connector No.	M117
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS 6-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	G	-
3	GR	-
4	SB	-
7	W	-
10	W	-
15	SB	-
16	V	-
17	BR	-
26	BR	-
27	LG	-
28	Y	-
29	Y	-
30	V	-
31	R	-
32	BR	-
33	G	-
51	R	-
52	L	-
55	W	-
56	B	-
57	B	-
58	G	-
59	SHIELD	-
60	V	-
61	LG	-
62	BR	-
63	L	-
64	LG	-
65	B	-
66	R	-
67	W	-
68	SHIELD	-
69	V	-
70	Y	-
71	SB	-
72	W	-
73	G	-

75	W	-
80	V	-
81	SB	-
82	V	-
83	P	-
84	R	-
85	L	-
86	BG	-
87	L	-
88	P	-
91	V	-
92	G	-
94	G	-
95	W	-
96	G	-
97	Y	-
98	BR	-
99	V	-
99	V	- [With BOSE audio]
99	P	- [Without BOSE audio]
100	SB	- [With BOSE audio]
100	L	- [Without BOSE audio]

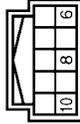
Connector No.	RT
Connector Name	WIRE TO WIRE
Connector Type	NR10FY-CS10



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	SHIELD	-
3	L	-
4	BR	-
4	W	- [With automatic drive positioner]
4	W	- [Without automatic drive positioner]
5	G	-
7	BR	-
8	Y	-
9	B	-
10	Y	-
11	V	-
12	BR	-
13	R	-
14	W	-
15	SHIELD	-

16	B	-
18	B	-

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



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

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

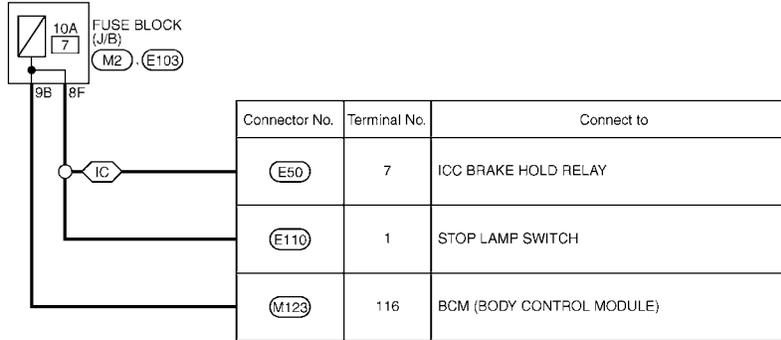
[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 7 -

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BATTERY POWER SUPPLY FUSE No. 7

 : With ICC



2008/08/28

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE No. 7

Connector No.	E50
Connector Name	ICC BRAKE HOLD RELAY
Connector Type	MS8FCY-R-US



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

Connector No.	E103
Connector Name	FUSE BLOCK (J/B)
Connector Type	MS16FY-CS



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

Connector No.	E110
Connector Name	STOP LAMP SWITCH
Connector Type	MS6FW-LC



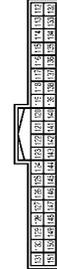
Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	W	-
3	Y	-
4	SB	-

Connector No.	M2
Connector Name	FUSE BLOCK (J/B)
Connector Type	MS10PW-CS



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

Connector No.	M123
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH4DFG-1H1



Terminal No.	Color of Wire	Signal Name [Specification]
113	P	OPTICAL SENSOR
116	SB	STOP LAMP SW 1
118	P	STOP LAMP SW 2
119	SB	DR DOOR UNLOCK SENSOR
121	BR	KEY SLOT SW
123	W	IGN F/B
124	LG	PASSENGER DOOR SW
132	BR	POWER WINDOW SW COMM
133	W	PUSH-BUTTON IGNITION SW ILL POWER
134	GR	LOCK IND
137	BG	RECEIVER/SENSOR GND
138	Y	RECEIVER/SENSOR POWER SUPPLY
139	L	TIRE PRESSURE RECEIVER COMM
140	GR	SHFT IN/P
141	G	SECURITY INDICATOR OUTPUT
142	BG	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	LG	DRIVER DOOR SW
151	G	REAR WINDOW DEFOGGER RELAY CONT

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POWER SUPPLY ROUTING CIRCUIT

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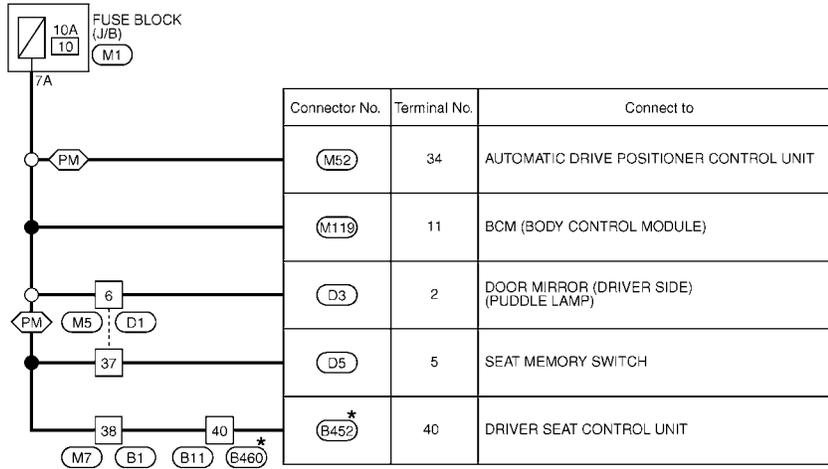
[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 10 -

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BATTERY POWER SUPPLY FUSE No. 10

 : With automatic drive positioner



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

2008/08/28

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POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

BATTERY POWER SUPPLY FUSE No. 10

Connector No.	B1
Connector Name	WIRE TO WIRE
Connector Type	TH80PW-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
3	R	-
5	G	-
6	SB	-
7	V	-
8	L	-
12	SB	-
13	LG	-
14	GR	-
15	LG	-
17	W	-
18	SB	-
19	LG	-
20	BR	-
21	SHIELD	-
22	Y	-
24	P	-
27	B	-
28	R	-
29	W	-
30	SHIELD	-
31	SHIELD	-
32	W	-
33	SB	-
34	L	-
35	P	-
36	L	-
37	P	-
38	BR	-
39	Y	-
44	Y	-
45	GR	-
46	LG	-
47	SB	-
49	G	-
50	V	-
60	P	-
61	L	-
62	SHIELD	-

Connector No.	B11
Connector Name	WIRE TO WIRE
Connector Type	MS16PW-CS

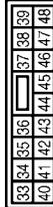


Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
3	L	-
17	Y	-
19	P	-
21	V	-
32	B	-

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

33	R	-
40	BR	-
48	B	-
53	B	-
60	G	-
65	GR	-
67	Y	-

Connector No.	B452
Connector Name	DRIVER SEAT CONTROL UNIT
Connector Type	MS18FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
33	R	BAT (O/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.	B460
Connector Name	WIRE TO WIRE
Connector Type	MS16MW-CS



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

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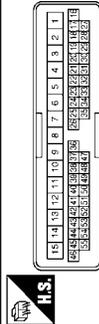
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE No. 10

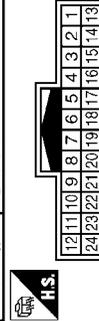
Connector No.	D1
Connector Name	WIRE TO WIRE
Connector Type	TH48FY-C515



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

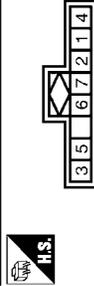
39	O	-
40	BR	-
41	L	-
42	GR	-
43	BR	- [With automatic drive positioner]
43	O	- [Without automatic drive positioner]
44	W	- [With automatic drive positioner]
44	GR	- [Without automatic drive positioner]
45	Y	- [With automatic drive positioner]
45	G	- [Without automatic drive positioner]
46	G	- [With automatic drive positioner]
46	V	- [Without automatic drive positioner]
49	GR	-
50	B	-
52	R	-
53	SB	-
54	O	-
55	Y	-

Connector No.	D3
Connector Name	DOOR MIRROR (DRIVER SIDE)
Connector Type	TH2MW-NH



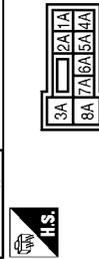
Terminal No.	Color of Wire	Signal Name [Specification]
2	O	-
3	B	SIDE CAMERA LH COMM
5	Y	SIDE CAMERA LH IMAGE SIGNAL
6	R	SIDE CAMERA LH POWER SUPPLY
7	W	-
10	G	-
11	P	-
12	O	-
14	LG	-
17	G	SIDE CAMERA LH IMAGE GND
18	W	-
19	B	SIDE CAMERA LH GND
21	GR	-
22	BR	-
23	Y	-
24	V	-

Connector No.	D5
Connector Name	SEAT MEMORY SWITCH
Connector Type	A08FY



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

Connector No.	M1
Connector Name	FUSE BLOCK (L/B)
Connector Type	MS08FY-K2



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

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POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

BATTERY POWER SUPPLY FUSE No. 10

Connector No.	M5
Connector Name	WIRE TO WIRE
Connector Type	TH80MP-CS-5

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

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

39	BG	-
40	SB	-
41	S	-
42	R	-
43	BR	-
44	V	-
45	G	-
46	SB	- [With automatic drive positioner]
46	V	- [Without automatic drive positioner]
49	P	-
50	B	-
52	R	-
53	V	-
54	LG	-
55	SB	-

Connector No.	M7
Connector Name	WIRE TO WIRE
Connector Type	TH80MP-CS (6-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
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

Terminal No.	Color of Wire	Signal Name [Specification]
1	SB	- [With automatic drive positioner]
1	W	- [Without automatic drive positioner]
5	G	-
6	BG	-
7	W	-
8	B	-
12	SB	-
13	LG	-
14	Y	-
15	G	-
17	W	-
18	SB	-
19	LG	-
20	BR	-
21	SHIELD	-
22	Y	-
24	V	-
27	B	-
28	W	-
29	R	-
30	SHIELD	-

Connector No.	M82
Connector Name	AUTOMATIC DRIVE POSITIONER CONTROL UNIT
Connector Type	NS (6PW-CS)

33	34	35	36	38	40	41	42	44	48
33	34	35	36	38	40	41	42	44	48

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

31	L	-
32	P	-
33	SB	-
34	L	-
35	P	-
36	L	-
37	P	-
38	BR	-
39	Y	-
44	L	-
45	GR	-
46	LG	-
47	SB	-
48	V	-
50	R	-
63	P	-
61	L	-
62	SHIELD	-
63	R	-
64	G	-
65	SHIELD	-
66	SB	-
67	V	-
68	LG	-
69	SHIELD	-
70	W	-
73	G	-
74	R	-
75	W	-
76	W	-
77	B	-
78	P	-
79	GR	-
83	BG	-
85	LG	-
86	R	-
87	Y	-
88	W	-
89	BR	-
90	BG	-
91	G	-
92	V	-
93	BR	-
94	V	-
95	G	-
96	Y	-
98	W	-
99	R	-

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE No. 10

Connector No.	M119
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	MS16FN-CS



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

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

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

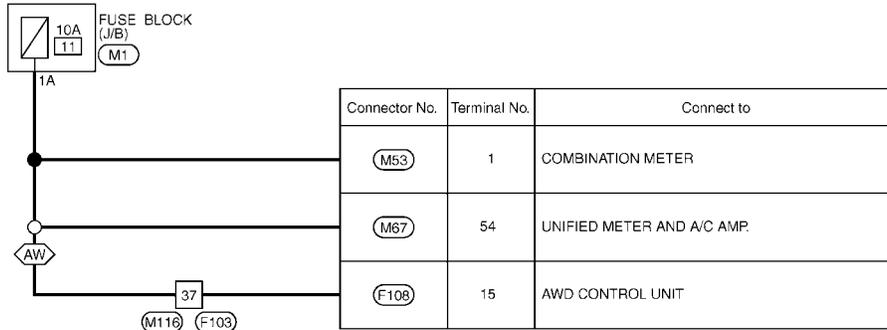
[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 11 -

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BATTERY POWER SUPPLY FUSE No. 11

 : AWD models



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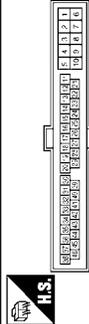
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

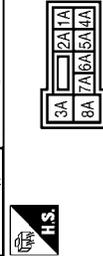
BATTERY POWER SUPPLY FUSE No. 11

Connector No.	FI03
Connector Name	WIRE TO WIRE
Connector Type	TK36FW-NS10



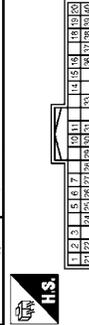
Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	G	-
3	W	-
4	R	-
5	B	-
6	Y	-
7	GR	-
8	GR	-
9	EG	-
10	Y	-
11	B	-
12	B	-
13	LG	-
14	LG	-
15	R	-
16	R	-
17	B	-
18	B	-
19	B	-
20	B	-
21	B	-
22	B	-
23	B	-
24	B	-
25	B	-
26	B	-
27	B	-
28	B	-
29	B	-
30	B	-
31	B	-
32	B	-
33	B	-
34	B	-
35	L	-
36	P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

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



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

Connector No.	M53
Connector Name	COMBINATION METER
Connector Type	TH40FW-NH

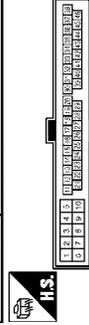


Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	BATTERY POWER SUPPLY
2	LG	COMMUNICATION SIGNAL (METER->AMP)

3	GR	COMMUNICATION SIGNAL (AMP->METER)
5	B	GROUND
6	B	ALTERNATOR SIGNAL
7	BR	AIR BAG SIGNAL
10	G	SECURITY SIGNAL
13	B	GROUND
18	B	METER CONTROL SWITCH GROUND
19	B	ILL GND
20	R	ILL
21	EG	IGNITION POWER SUPPLY
22	B	GROUND
24	BR	COMMUNICATION SIGNAL (LCD->AMP)
25	Y	COMMUNICATION SIGNAL (AMP->LCD)
26	R	VEHICLE SPEED SIGNAL (β-PULSE)
27	V	PARKING BRAKE SWITCH SIGNAL
28	W	BRAKE FLUID LEVEL SWITCH SIGNAL
28	SB	SEAT BELT BUCKLE SWITCH SIGNAL (DRIVER SIDE)
30	G	SEAT BELT BUCKLE SWITCH SIGNAL (PASSENGER SIDE)
31	L	WASHER LEVEL SWITCH SIGNAL
32	B	ILLUMINATION CONTROL
33	B	ILLUMINATION CONTROL
36	LG	SELECT SWITCH SIGNAL
37	SB	ENTER SWITCH SIGNAL
38	L	TRIP A/B RESET SWITCH SIGNAL
39	P	ILLUMINATION CONTROL SWITCH SIGNAL (-)
40	BG	ILLUMINATION CONTROL SWITCH SIGNAL (+)

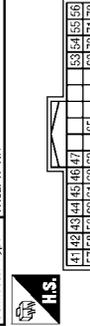
57	W	BRAKE FLUID LEVEL SWITCH SIGNAL
58	BR	FUEL LEVEL SENSOR GROUND
59	GR	INTAKE SENSOR GROUND
60	L	IN-VEHICLE SENSOR GROUND
61	BR	AMBIENT SENSOR GROUND
62	SB	SUNLOAD SENSOR GROUND
63	R	-
65	BG	ECV SIGNAL
69	L	A/C LAN SIGNAL
70	R	EACH DOOR MOTOR POWER SUPPLY
71	B	GROUND
72	P	CAN-L

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



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

Connector No.	M87
Connector Name	UNIFIED METER AND A/C AMP.
Connector Type	TH32FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
41	V	ACC POWER SUPPLY
42	Y	FUEL LEVEL SENSOR SIGNAL
43	R	INTAKE SENSOR SIGNAL
44	LG	IN-VEHICLE SENSOR SIGNAL
45	P	AMBIENT SENSOR SIGNAL
46	BG	SUNLOAD SENSOR SIGNAL
47	G	EXHAUST GAS OUTSIDE DOOR DETECTING SENSOR SIGNAL
53	G	IGNITION POWER SUPPLY
54	Y	BATTERY POWER SUPPLY
55	B	GROUND
58	L	CAN-H

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

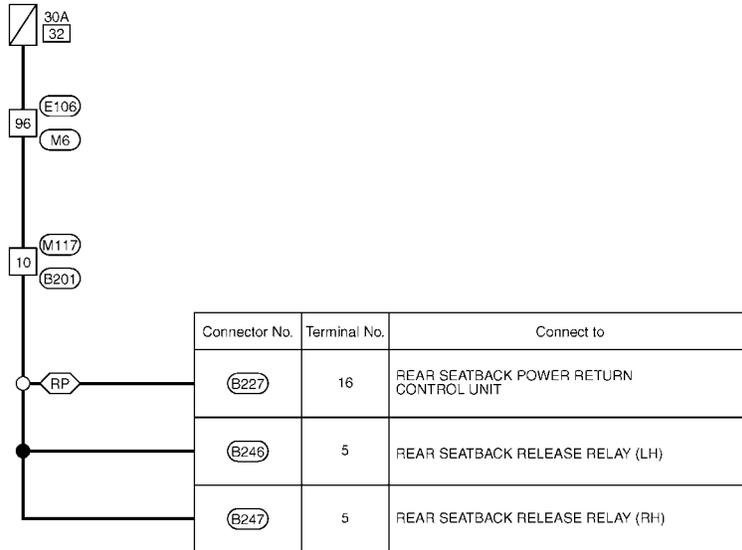
[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 32 -

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BATTERY POWER SUPPLY FUSE No. 32

: With rear seatback power return system



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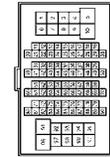
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE No. 32

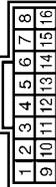
Connector No.	B201
Connector Name	WIRE TO WIRE
Connector Type	TH80FY-CST16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	R	-
3	GR	-
4	BG	-
7	LG	-
10	W	-
15	SB	-
16	V	-
17	BR	-
26	BR	-
27	L	-
28	Y	-
29	Y	-
30	GR	-
31	R	-
32	BR	-
33	G	-
51	R	-
52	V	-
55	G	-
56	R	-
57	W	-
58	B	-
59	SHIELD	-
60	LG	-
61	W	-
62	BR	-
63	P	-
64	L	-
65	G	-
66	P	-
67	L	-
68	SHIELD	-
69	V	-
70	Y	-
71	SB	-
72	W	-
73	BR	-

75	Y	-
80	V	-
81	SB	-
82	LG	-
83	P	-
84	R	-
85	L	-
86	BG	-
87	L	-
88	P	-
91	V	-
92	R	-
94	R	-
95	SB	-
96	G	-
97	G	-
98	R	-
99	P	-
100	L	-

Connector No.	B227
Connector Name	REAR SEATBACK POWER RETURN CONTROL UNIT
Connector Type	SEA16FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	GND (RH SENSOR)
2	Y	MOTOR SENSOR (RH)
3	G	POWER SUPPLY (RH SENSOR)
5	GR	BACKWARD
6	L	BACKWARD
7	SE	BACKWARD
8	R	FORWARD
9	P	GND (LH SENSOR)
10	BR	MOTOR SENSOR (LH)
11	LG	POWER SUPPLY (LH SENSOR)
13	B	GND (POWER)
16	W	BAT (POWER)

Connector No.	B246
Connector Name	REAR SEATBACK RELEASE RELAY (LH)
Connector Type	MS22FL-M2-LC



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

Connector No.	B247
Connector Name	REAR SEATBACK RELEASE RELAY (RH)
Connector Type	MS22FL-M2-LC



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

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POWER SUPPLY ROUTING CIRCUIT

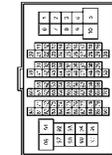
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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BATTERY POWER SUPPLY FUSE No. 32

Connector No.	E105
Connector Name	WIRE TO WIRE
Connector Type	TH80PW-C316-TM4



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

98	SHIELD	-
99	L	-
100	P	-

49	L	-
50	P	-
51	L	-
52	L	-
53	P	-
54	BG	-
56	BR	-
57	BR	-
59	W	-
60	LG	-
61	G	-
62	SB	-
63	W	-
64	B	-
65	G	-
66	R	-
67	SHIELD	-
68	Y	-
68	LG	-
70	W	-
71	R	-
72	Y	-
73	B	-
74	BR	- [With ICC]
74	L	- [Without ICC]
75	G	- [With ICC]
75	W	- [Without ICC]
76	W	- [With ICC]
76	Y	- [Without ICC]
77	R	- [With ICC]
77	P	- [Without ICC]
78	L	- [With ICC]
78	BR	- [Without ICC]
79	Y	- [With ICC]
79	L	- [Without ICC]
80	SB	-
81	R	-
82	SB	-
83	BG	-
84	G	-
85	L	-
86	P	-
87	V	-
88	GR	-
90	SHIELD	-
91	W	-
92	Y	-
93	V	-
94	LG	-
95	BG	-
96	P	-
97	R	-

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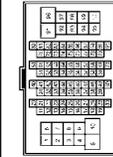
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE No. 32

Connector No.	M5
Connector Name	WIRE TO WIRE
Connector Type	THE80MW-CS (F-TM4)

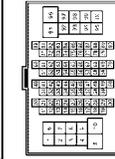


Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	R	-
3	B	-
4	SHIELD	-
5	G	-
6	Y	-
8	BR	-
10	R	-
11	BR	-
12	BG	-
13	L	-
14	R	-
15	P	-
16	V	-
17	SB	-
18	V	-
20	BG	-
21	L	-
22	W	-
23	P	-
24	BR	-
25	Y	-
26	V	-
27	G	-
28	G	-
31	L	-
32	G	-
33	B	-
34	W	-
35	R	-
36	SHIELD	-
37	V	-
38	BG	-
39	BR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

49	L	-	-
50	P	-	-
51	BR	-	-
52	TR	-	-
53	P	-	-
54	Y	-	-
56	BR	-	-
57	G	-	-
59	W	-	-
60	L	-	-
61	G	-	-
62	SB	-	-
63	G	-	-
64	B	-	-
65	W	-	-
66	R	-	-
67	SHIELD	-	-
68	Y	-	-
68	GR	-	-
70	LG	-	-
71	LG	-	-
72	Y	-	-
73	SB	-	-
74	BR	-	-
74	L	-	- [With ICC]
74	L	-	- [Without ICC]
75	G	-	-
76	W	-	- [With ICC]
76	GR	-	- [Without ICC]
77	R	-	- [With ICC]
77	P	-	- [Without ICC]
78	L	-	- [With ICC]
78	R	-	- [Without ICC]
79	Y	-	- [With ICC]
79	W	-	- [Without ICC]
80	SB	-	-
81	SB	-	-
82	SB	-	-
83	Y	-	-
84	G	-	-
85	L	-	-
86	P	-	-
87	W	-	-
89	GR	-	-
90	SHIELD	-	-
91	W	-	-
92	Y	-	-
93	BR	-	-
94	P	-	-
95	GR	-	-
96	W	-	-
97	L	-	-
98	SHIELD	-	-

98	V	-	-
100	SB	-	-

Connector No.	M117
Connector Name	WIRE TO WIRE
Connector Type	THE80MW-CS (B-TM4)



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	G	-
3	GR	-
4	SB	-
7	W	-
10	W	-
15	SB	-
16	V	-
17	BR	-
25	BR	-
27	LG	-
28	Y	-
29	Y	-
30	V	-
31	R	-
32	BR	-
33	G	-
41	R	-
42	L	-
45	W	-
50	B	-
57	R	-
58	G	-
59	SHIELD	-
60	V	-
61	LG	-
62	BR	-
63	L	-
64	LG	-
65	B	-
66	R	-
67	W	-
68	SHIELD	-
69	V	-

70	Y	-	-
71	SB	-	-
72	W	-	-
73	G	-	-
75	W	-	-
80	V	-	-
81	SS	-	-
82	V	-	-
83	P	-	-
84	R	-	-
85	L	-	-
86	BG	-	-
87	L	-	-
88	P	-	-
91	V	-	-
92	G	-	-
94	G	-	-
95	W	-	-
96	G	-	-
97	V	-	-
98	BR	-	-
99	V	-	- [With BOSE audio]
99	P	-	- [Without BOSE audio]
100	SB	-	- [With BOSE audio]
100	L	-	- [Without BOSE audio]

POWER SUPPLY ROUTING CIRCUIT

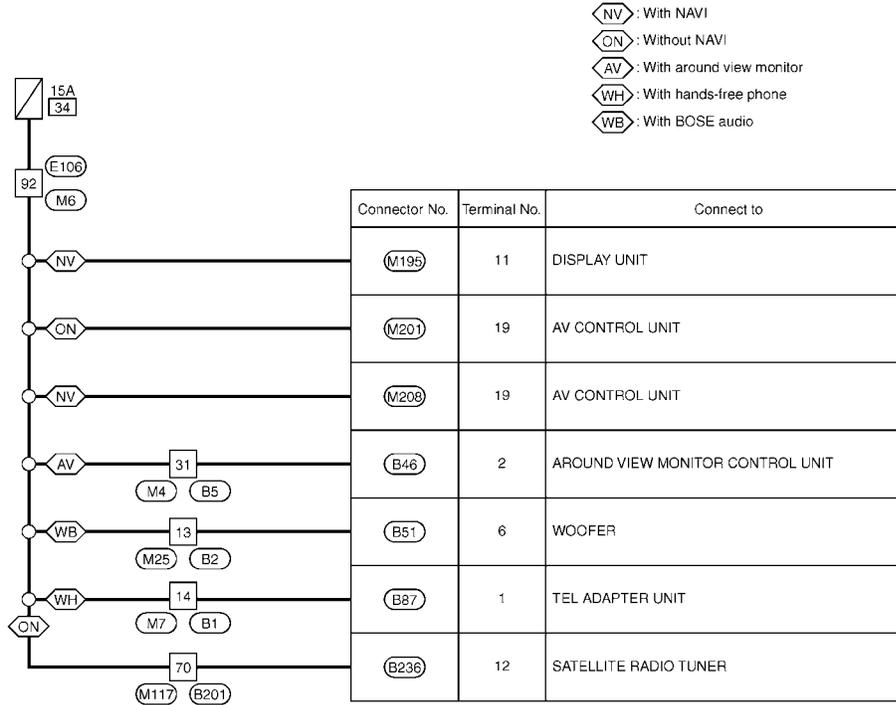
< DTC/CIRCUIT DIAGNOSIS >

[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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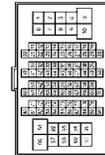
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE No. 34

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



Terminal No.	Color of Wire	Signal Name [Specification]
3	R	-
5	G	-
6	SB	-
7	V	-
8	L	-
12	SB	-
13	LG	-
14	GR	-
15	LG	-
17	W	-
18	SB	-
19	LG	-
20	BR	-
21	SHIELD	-
22	Y	-
24	P	-
27	B	-
28	R	-
29	W	-
30	SHIELD	-
31	SHIELD	-
32	W	-
33	SB	-
34	L	-
35	P	-
36	L	-
37	P	-
38	BR	-
39	Y	-
44	Y	-
45	GR	-
46	LG	-
47	SB	-
49	G	-
50	V	-
60	P	-
61	L	-
62	SHIELD	-

63	R	-
64	G	-
65	SHIELD	-
66	W	-
67	V	-
68	SB	-
69	SHIELD	-
70	W	-
73	SB	-
74	L	-
75	W	-
76	BR	-
77	R	-
78	P	-
79	GR	-
83	BG	-
85	V	-
86	LG	-
87	Y	-
88	B	-
89	B	-
90	BG	-
91	G	-
92	BR	-
93	G	-
94	SB	-
95	G	-
96	Y	-
98	W	-
99	GR	-

Connector No.	B2
Connector Name	WIRE TO WIRE
Connector Type	MS10FW-CS



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

7	BR	-
8	Y	-
9	SHIELD	-
10	SHIELD	-
11	Y	- [With BOSE audio]
11	Y	- [Without BOSE audio]
12	SB	- [With BOSE audio]
12	LG	- [Without BOSE audio]
13	V	-
14	Y	-
15	LG	-
16	P	-

Connector No.	B5
Connector Name	WIRE TO WIRE
Connector Type	TH32MW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
2	SB	-
3	Y	-
4	R	-
5	W	-
6	G	-
7	LG	-
8	B	-
9	V	-
10	SB	-
11	GR	-
12	W	-
13	SHIELD	-
14	SB	-
15	GR	-
16	P	-
21	G	-
22	B	-
23	SHIELD	-
24	BG	-
25	BR	-
26	Y	-
27	W	-
28	R	-

29	L	-
30	SHIELD	-
31	Y	-

Connector No.	B46
Connector Name	AROUND VIEW MONITOR CONTROL UNIT
Connector Type	TH40FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	GND
2	Y	BATTERY
3	P	IGNITION SIGNAL
4	GR	ACC
5	BG	ILLUMINATION SIGNAL
6	SB	VEHICLE SPEED SIGNAL (S-PULSE)
7	V	REVERSE SIGNAL
9	V	CONTROL SIGNAL
13	B	CONTROL SIGNAL
17	SB	AV COMM (H)
18	LG	AV COMM (L)
21	SB	AV COMM (H)
22	LG	AV COMM (L)
23	LG	AUXILIARY INFARED LED (+)
24	G	AUXILIARY INFARED LED (-)
27	W	CAMERA IMAGE SIGNAL
28	SHIELD	CAMERA IMAGE SIGNAL GND
29	Y	SIDE CAMERA RH IMAGE SIGNAL
30	G	SIDE CAMERA RH IMAGE GND
31	SHIELD	SHIELD
32	B	SIDE CAMERA RH GND
33	W	SIDE CAMERA RH COMM
34	R	SIDE CAMERA RH POWER SUPPLY
35	L	REAR CAMERA COMM
36	BR	REAR CAMERA POWER SUPPLY
37	SHIELD	SHIELD
38	R	REAR CAMERA GND
39	Y	REAR CAMERA IMAGE SIGNAL
40	W	REAR CAMERA IMAGE GND

POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

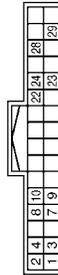
BATTERY POWER SUPPLY FUSE No. 34

Connector No.	B51
Connector Name	WOOFER
Connector Type	PS08FG1-PR



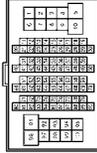
Terminal No.	Color of Wire	Signal Name [Specification]
1	R	SOUND SIGNAL WOOFER (-)
2	G	SOUND SIGNAL WOOFER (+)
4	GR	WOOFER AMP. ON SIGNAL
5	B	GND
6	V	BATTERY

Connector No.	B87
Connector Name	TEL ADAPTER UNIT
Connector Type	TH22FW-RH



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

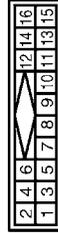
Connector No.	B201
Connector Name	WIPE TO WIRE
Connector Type	TH86FW-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	
2	R	
3	GR	
4	EG	
7	LG	
10	W	
13	SB	
16	V	
17	BR	
26	BR	
27	L	
28	Y	
29	Y	
30	GR	
31	R	
32	BR	
33	G	
51	R	
52	V	
55	G	
56	R	
57	W	
58	B	
59	SHIELD	
60	LG	
61	W	
62	BR	
63	P	
64	L	
65	G	
66	P	
67	L	
68	SHIELD	
69	V	
70	Y	
71	SB	
72	W	
73	BR	

76	Y	
80	V	
81	SB	
82	LG	
83	P	
84	R	
85	L	
86	EG	
87	L	
89	P	
91	V	
92	R	
94	R	
95	SB	
96	G	
97	G	
98	R	
99	P	
100	L	

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



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

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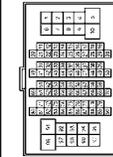
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE No. 34

Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	TH32FW-TM4



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

49	L	-
50	P	-
51	L	-
52	L	-
53	P	-
54	BG	-
56	BR	-
57	BR	-
59	W	-
60	LG	-
61	G	-
62	SB	-
63	W	-
64	B	-
65	G	-
66	R	-
67	SHIELD	-
68	Y	-
68	LG	-
70	W	-
71	R	-
72	Y	-
73	BR	-
74	BR	-
74	L	-
75	G	- [With ICC]
75	W	- [Without ICC]
76	W	- [With ICC]
76	W	- [Without ICC]
76	Y	- [With ICC]
77	R	- [Without ICC]
77	P	- [Without ICC]
78	L	- [With ICC]
78	BR	- [Without ICC]
79	Y	- [With ICC]
79	L	- [Without ICC]
80	SB	- [With ICC]
80	SB	- [Without ICC]
81	R	-
82	SB	-
83	BG	-
84	G	-
85	L	-
86	P	-
87	V	-
88	GR	-
90	SHIELD	-
91	W	-
92	Y	-
93	V	-
94	LG	-
95	BG	-
96	P	-
97	R	-

98	SHIELD	-
99	L	-
100	P	-

Connector No.	M4
Connector Name	WIRE TO WIRE
Connector Type	TH32FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
2	SB	-
3	Y	-
4	R	-
5	W	-
6	G	-
7	LG	-
8	B	-
9	V	-
10	B	-
11	W	-
12	W	-
13	SHIELD	-
14	V	-
15	V	-
18	W	-
21	G	-
22	B	-
23	SHIELD	-
24	R	-
25	R	-
26	Y	-
27	G	-
28	B	-
29	W	-
30	SHIELD	-
31	Y	-

JCMWA6230GB

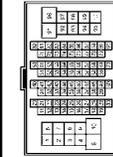
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE No. 34

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS 6-TM4

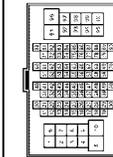


Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	R	-
3	B	-
4	SHIELD	-
5	G	-
6	Y	-
8	BR	-
9	BR	-
10	R	-
11	BR	-
12	BG	-
13	L	-
14	R	-
15	P	-
16	V	-
17	SB	-
18	V	-
20	BG	-
21	L	-
22	W	-
23	P	-
24	BR	-
26	Y	-
26	V	-
27	G	-
28	G	-
31	L	-
32	G	-
33	B	-
34	W	-
35	R	-
36	SHIELD	-
37	V	-
38	BG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

49	L	-
50	P	-
51	BR	-
52	L	-
53	P	-
54	Y	-
56	BR	-
57	G	-
59	W	-
60	L	-
61	G	-
62	SB	-
63	G	-
64	B	-
65	W	-
66	R	-
67	SHIELD	-
68	Y	-
68	GR	-
70	LG	-
71	LG	-
72	Y	-
73	SB	-
74	B	-
74	L	- [With ICC]
74	L	- [Without ICC]
75	G	-
76	W	- [With ICC]
76	GR	- [Without ICC]
77	R	- [With ICC]
77	P	- [Without ICC]
78	L	- [With ICC]
78	R	- [Without ICC]
79	Y	- [With ICC]
79	W	- [Without ICC]
80	SB	-
81	SB	-
82	SB	-
83	V	-
84	G	-
85	L	-
86	P	-
87	W	-
89	GR	-
90	SHIELD	-
91	W	-
92	Y	-
93	BR	-
94	P	-
95	GR	-
96	W	-
97	L	-
98	SHIELD	-

99	V	-
100	SB	-

Connector No.	M7
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS 18-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
3	SB	- [With automatic drive positioner]
3	W	- [Without automatic drive positioner]
5	G	-
5	BG	-
7	W	-
8	B	-
12	SB	-
13	LG	-
14	Y	-
15	G	-
17	W	-
18	SB	-
19	LG	-
20	BR	-
21	SHIELD	-
22	Y	-
24	V	-
24	B	-
27	B	-
28	W	-
29	R	-
30	SHIELD	-
31	L	-
32	P	-
33	SB	-
34	L	-
35	P	-
38	L	-
37	P	-
38	BR	-
39	Y	-
44	L	-
45	GR	-
46	LG	-
47	SB	-

49	V	-
50	P	-
60	P	-
61	L	-
62	SHIELD	-
63	R	-
64	G	-
65	SHIELD	-
66	SS	-
67	V	-
68	LG	-
69	SHIELD	-
70	W	-
73	G	-
74	R	-
75	W	-
76	W	-
77	B	-
78	P	-
79	GR	-
83	BG	-
85	LG	-
85	R	-
87	Y	-
88	W	-
89	BR	-
90	BG	-
91	G	-
92	V	-
93	BR	-
94	V	-
95	G	-
96	Y	-
98	W	-
99	R	-

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE No. 34

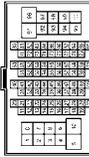
Connector No.	M25
Connector Name	WIRE TO WIRE
Connector Type	MS16MW-CS



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

Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	W	-
3	V	-
4	LG	-
5	Y	-
6	G	-
7	L	-
8	BR	-
9	Y	-
10	SHIELD	-
11	V	- [With BOSE audio]
12	L	- [Without BOSE audio]
13	SB	- [With BOSE audio]
14	LG	- [Without BOSE audio]
15	Y	-
16	P	-

Connector No.	M117
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS 6-TM4



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

7	W	-
10	W	-
15	SB	-
16	V	-
17	BR	-
26	BR	-
27	LG	-
28	Y	-
29	Y	-
30	V	-
31	R	-
32	BR	-
33	G	-
51	R	-
52	L	-
55	W	-
56	B	-
57	R	-
58	G	-
59	SHIELD	-
60	V	-
61	LG	-
62	BR	-
63	L	-
64	LG	-
65	B	-
66	R	-
67	W	-
68	SHIELD	-
69	V	-
70	Y	-
71	SB	-
72	W	-
73	G	-
75	W	-
80	V	-
81	SB	-
82	V	-
83	P	-
84	R	-
85	L	-
86	RG	-
87	L	-
88	P	-
91	V	-
92	G	-
94	G	-
95	W	-
96	G	-
97	Y	-
98	BR	-
99	V	- [With BOSE audio]

98	P	- [Without BOSE audio]
100	SB	- [With BOSE audio]
100	L	- [Without BOSE audio]

Connector No.	M155
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	CAMERA IMAGE SIGNAL GND
8	W	CAMERA IMAGE SIGNAL
9	G	COMM (DISP->CONT)
10	R	COMM (CONT->DISP)
11	Y	BATTERY
12	B	GND
18	R	COMPOSITE IMAGE SIGNAL
19	G	COMPOSITE IMAGE SIGNAL GND
22	SHIELD	SHIELD
23	V	ACC

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



19	18	17	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]
2	BR	SOUND SIGNAL FRONT LH (+)
3	R	SOUND SIGNAL FRONT LH (-)
4	LG	SOUND SIGNAL REAR DOOR SPEAKER LH (+)
5	L	SOUND SIGNAL REAR DOOR SPEAKER LH (-)
6	P	STRG SW A
7	V	ACC

9	R	ILLUMINATION SIGNAL
11	L	SOUND SIGNAL FRONT RH (+)
12	W	SOUND SIGNAL FRONT RH (-)
13	L	SOUND SIGNAL REAR DOOR SPEAKER RH (+)
14	P	SOUND SIGNAL REAR DOOR SPEAKER RH (-)
15	B	STRG SW B
16	L	STRG SW B GND
19	Y	BATTERY
20	B	GND

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



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

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

POWER SUPPLY ROUTING CIRCUIT

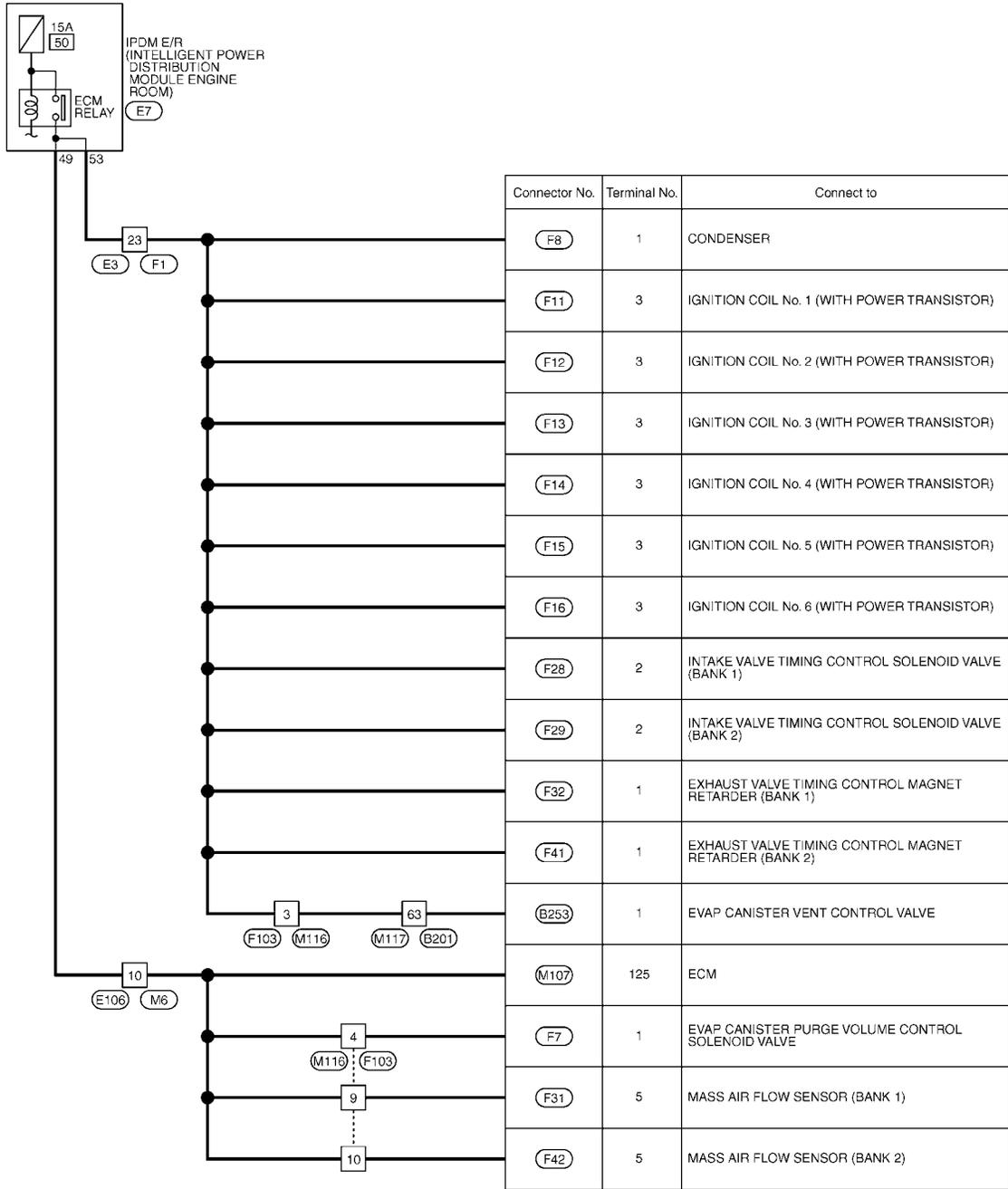
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 50 -

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BATTERY POWER SUPPLY FUSE No. 50



2009/07/16

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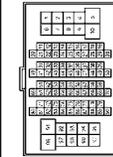
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE No. 50

Connector No.	B201
Connector Name	WIRE TO WIRE
Connector Type	TH20PW-CS19-TM4



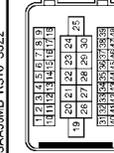
Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	R	-
3	GR	-
4	BG	-
7	LG	-
10	W	-
15	SB	-
16	V	-
17	BR	-
26	BR	-
27	L	-
28	Y	-
29	Y	-
30	GR	-
31	R	-
32	BR	-
33	G	-
51	R	-
52	V	-
55	G	-
56	R	-
57	W	-
58	B	-
59	B	-
59	SHIELD	-
60	LG	-
61	W	-
62	BR	-
63	P	-
64	L	-
65	G	-
66	P	-
67	L	-
68	SHIELD	-
69	V	-
70	Y	-
71	SB	-
72	W	-
73	BR	-

Connector No.	B253
Connector Name	EVAP CANISTER VENT CONTROL VALVE
Connector Type	E02FB-RS



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

Connector No.	E3
Connector Name	WIRE TO WIRE
Connector Type	5AA3MB-RS10-S122



Terminal No.	Color of Wire	Signal Name [Specification]
18	W	-
20	GR	-
21	Y	-
22	G	-
23	W	-
25	SB	-
26	R	-
28	P	-
29	L	-
30	LG	-
31	LG	-
32	R	-
33	P	-
34	W	-
35	SB	-
40	BG	-
41	G	-
42	Y	-
43	BR	-
44	BG	-

Connector No.	E7
Connector Name	BOULE R INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	TH20PW-CS12-IM4



Terminal No.	Color of Wire	Signal Name [Specification]
48	L	-
49	BG	-
51	Y	-
53	W	-
54	P	-
55	SB	-
56	LG	-
57	G	-
58	V	-
60	BR	-
70	BG	-
74	P	-
75	SR	-
76	Y	-

77	R	-
80	W	-

POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

BATTERY POWER SUPPLY FUSE No. 50

Connector No.	E105
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-C316-TM4

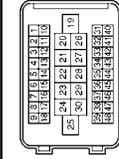


Terminal No.	Color of Wire	Signal Name [Specification]
1	R	
2	W	
3	B	
4	GR	
5	GR	
6	Y	
8	BR	
9	BR	
10	EG	
11	SB	
12	EG	
13	L	
14	R	
15	P	
16	V	
17	SB	
18	V	
20	EG	
21	L	
22	V	
23	G	
24	P	
25	Y	
26	V	
26	V	
27	W	
28	G	
31	EG	
32	W	
33	B	
34	R	
35	G	
36	SHIELD	
37	V	
38	BR	
39	EG	
41	W	
42	G	
43	BR	
45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

49	L		
50	P		
51	L		
52	L		
53	P		
54	EG		
56	BR		
57	BR		
59	W		
60	LG		
61	G		
62	SB		
63	W		
64	B		
65	G		
66	R		
67	SHIELD		
68	Y		
68	LG		
70	W		
71	R		
72	Y		
73	B		
74	BR		
74	L		
75	G		
75	W		
76	W		
76	Y		
77	R		
77	P		
78	L		
78	BR		
79	Y		
79	L		
80	SB		
81	R		
82	SB		
83	EG		
84	G		
85	L		
86	P		
87	V		
88	GR		
90	SHIELD		
91	W		
92	Y		
93	V		
94	LG		
95	EG		
96	P		
97	R		

98	SHIELD		
99	L		
100	P		

Connector No.	F1
Connector Name	WIRE TO WIRE
Connector Type	SAAJ8FB-RS10-SJ22



Terminal No.	Color of Wire	Signal Name [Specification]
18	W	
20	GR	
21	P	
22	G	
23	W	
25	P	
25	BR	
28	R	
29	L	
30	Y	
31	V	
32	LG	
33	GR	
34	G	
35	Y	
40	EG	
41	SB	
42	P	
43	BR	
44	EG	

Connector No.	F7
Connector Name	FYAP DAMPER PULSE VOLUME CONTROL SOLENOID VALVE
Connector Type	ED2FL-RS-LOY



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

Connector No.	F8
Connector Name	CONDENSER
Connector Type	VM2FW-LC



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

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE No. 50

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



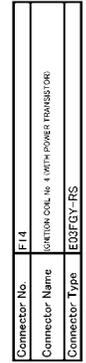
Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	B	-
3	W	-

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	G	-

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



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

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



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

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



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

Connector No.	F17
Connector Name	IGNITION COIL No. 7 (WITH POWER TRANSISTOR)
Connector Type	E03FGY-RS



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

Connector No.	F28
Connector Name	INTAKE VALVE TIMING CONTROL SOLENOID VALVE BANK
Connector Type	E03FG-RS-LGY



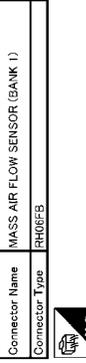
Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	R	-

Connector No.	F29
Connector Name	INTAKE VALVE TIMING CONTROL SOLENOID VALVE BANK
Connector Type	E03FG-RS-LGY



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

Connector No.	F31
Connector Name	MASS AIR FLOW SENSOR (BANK 1)
Connector Type	FR08FB



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

Connector No.	F32
Connector Name	EXHAUST VALVE TIMING CONTROL MAGNET RELEASER (BANK 1)
Connector Type	RS04FL-B



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

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

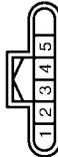
BATTERY POWER SUPPLY FUSE No. 50

Connector No.	F41
Connector Name	SMART VALVE TRING CONTROL MARKET REPAIRER (BANK 2)
Connector Type	PS04PL-B



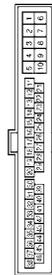
Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	Y	-

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



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

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



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

Connector No.	IM6
Connector Name	WIRE TO WIRE
Connector Type	TR06MY-CT16-TM4



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

76	GR	- [Without ICC]
77	P	- [With ICC]
78	P	- [Without ICC]
78	L	- [With ICC]
78	R	- [Without ICC]
79	Y	- [With ICC]
79	W	- [Without ICC]
80	SB	-
81	SB	-
82	Y	-
83	V	-
84	G	-
85	L	-
86	P	-
87	W	-
89	GR	-
89	SHIELD	-
91	W	-
92	V	-
93	BR	-
94	P	-
95	GR	-
95	W	-
97	L	-
98	SHIELD	-
99	V	-
100	SB	-

16	V	-
17	SB	-
18	W	-
20	BG	-
21	L	-
22	W	-
23	P	-
24	BR	-
25	Y	-
26	Y	-
27	G	-
28	G	-
31	L	-
32	G	-
33	B	-
34	W	-
35	R	-
36	SHIELD	-
37	V	-
38	BG	-
39	BR	-
41	W	-
42	BG	-
43	BG	-
45	W	-
49	L	-
50	P	-
51	BR	-
52	L	-
53	P	-
54	Y	-
56	BR	-
57	G	-
58	W	-
60	L	-
61	G	-
62	SB	-
63	G	-
64	B	-
65	W	-
66	R	-
67	SHIELD	-
69	Y	-
69	GR	-
70	LG	-
71	LG	-
72	Y	-
73	SB	-
74	BR	- [With ICC]
74	L	- [Without ICC]
76	G	-
76	W	- [With ICC]

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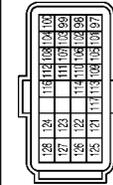
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

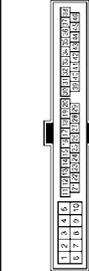
BATTERY POWER SUPPLY FUSE No. 50

Connector No.	M107
Connector Name	ECM
Connector Type	RH24FGY-R26-R-LH-Z



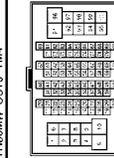
Terminal No.	Color of Wire	Signal Name [Specification]
97	R	APST1
98	Y	APST2 [With ICC]
99	P	APST2 [Without ICC]
99	G	AVCC-APST1 [With ICC]
99	L	AVCC-APST1 [Without ICC]
100	W	GND-A (APST1)
101	SB	ASCOSW
102	LG	FTPRS
103	L	AVCC-APST2 [With ICC]
103	G	AVCC-APST2 [Without ICC]
104	BR	GND-A (APST2) [With ICC]
104	GR	GND-A (APST2) [Without ICC]
105	L	PDPPRESS
106	W	TF
107	BR	AVCC-FTPRS
108	Y	GND-A AS2D
109	G	NEUT-H
110	R	TACHO
111	BG	AVCC-PDPPRESS
112	V	GND-A
113	P	VEHCAN-L1
114	L	VEHCAN-H1
116	W	GND-A-PDPPRES
117	V	KLINE
121	LG	GDCV
122	P	BRAKE
123	B	GND
124	B	GND
125	R	VBR
126	BR	BNC SW
127	B	GND
128	B	GND

Connector No.	M116
Connector Name	WIRE TO WIRE
Connector Type	TK3BMF-NS10



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

Connector No.	M117
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CST6-TM



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

97	Y	-
98	BR	-
99	V	- [With BOSE audio]
99	P	- [Without BOSE audio]
100	SS	- [With BOSE audio]
100	L	- [Without BOSE audio]

Terminal No.	Color of Wire	Signal Name [Specification]
2	G	
3	GR	
4	SB	
7	W	
10	W	
15	SB	
16	V	
17	BR	
26	BR	
27	LG	
28	Y	
28	Y	
30	V	
31	R	
32	BR	
33	G	
51	R	
52	L	
55	W	
56	B	
57	R	
58	G	
59	SHIELD	
60	V	
61	LG	
62	BR	
63	L	
64	LG	
65	B	
68	R	
67	W	
68	SHIELD	
69	V	
70	Y	
71	SB	
72	W	
72	G	
73	W	
80	V	
81	SB	
82	V	
83	P	
84	R	
85	L	
86	BG	
87	L	
88	P	
91	V	
92	G	
94	G	
95	W	
96	G	

POWER SUPPLY ROUTING CIRCUIT

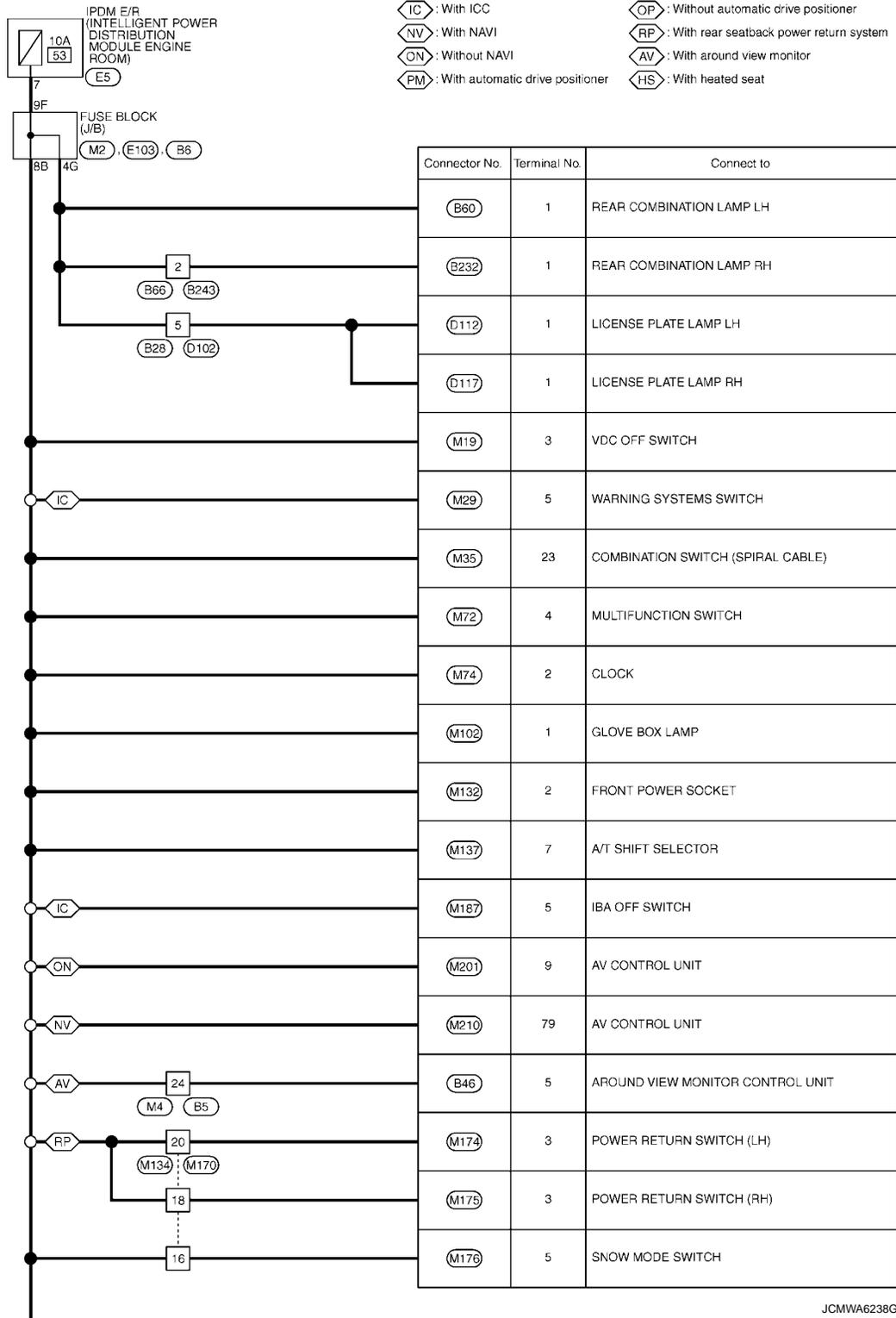
[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 53 -

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BATTERY POWER SUPPLY FUSE No. 53



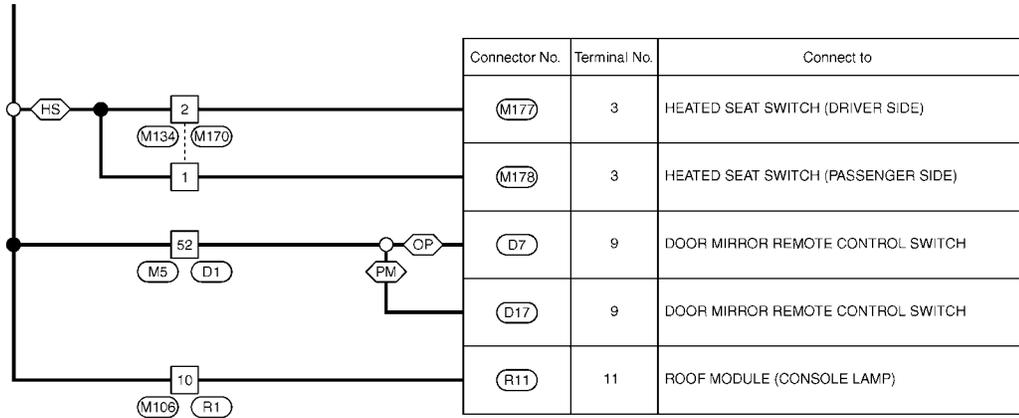
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POWER SUPPLY ROUTING CIRCUIT

< 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.	B5
Connector Name	WIRE TO WIRE
Connector Type	TH2MMV-NH

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
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3G	4G	5G	6G	7G	8G	9G	10G	11G	12G	13G	14G	15G	16G	17G	18G	19G	20G	21G	22G	23G	24G	25G	26G	27G	28G	29G	30G	31G	32G
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Connector No.	B46
Connector Name	AROUND VIEW MONITOR CONTROL UNIT
Connector Type	TH4DFV-NH

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



Connector No.	E60
Connector Name	REAR COMBINATION LAMP LH
Connector Type	TH10AMP-NH



1	2	3	4
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Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
2	SB	-
3	Y	-
4	R	-
5	W	-
6	G	-
7	LG	-
8	B	-
9	V	-
10	SB	-
11	GR	-
12	W	-
13	SHIELD	-
14	SB	-
15	GR	-
16	P	-
21	G	-
22	B	-
23	SHIELD	-
24	BG	-
25	BR	-
26	Y	-
27	W	-
28	R	-
29	L	-
30	SHIELD	-
31	Y	-

Connector No.	B23
Connector Name	WIRE TO WIRE
Connector Type	TH2MMV-NH



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
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Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
3	W	-
4	B	-
5	R	-
6	BG	-
13	BR	-
14	R	- [With around view monitor]
14	SHIELD	- [Without around view monitor]
15	Y	-
15	B	- [With around view monitor]
16	W	- [Without around view monitor]
17	L	-
17	R	- [With around view monitor]
17	R	- [Without around view monitor]
18	SHIELD	-
19	LG	-
20	BG	-
21	B	-

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

Connector No.	B66
Connector Name	WIRE TO WIRE
Connector Type	TH2MMV-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	-
2	R	-
3	B	-
13	L	-
14	W	-
15	B	-
16	BR	-
17	BG	-
18	P	-

Terminal No.	Color of Wire	Signal Name [Specification]
1	B	GND
2	Y	BATTERY
3	P	IGNITION SIGNAL
4	GR	ACC
5	BG	ILLUMINATION SIGNAL
6	SB	VEHICLE SPEED SIGNAL (β-PULSE)
7	V	REVERSE SIGNAL
9	V	CONTROL SIGNAL
13	B	CONTROL SIGNAL
17	SB	AV COMM (H)
18	LG	AV COMM (L)
21	SB	AV COMM (H)
22	LG	AV COMM (L)
23	LG	AUXILIARY INFRARED LED (+)
24	G	AUXILIARY INFRARED LED (-)
27	W	CAMERA IMAGE SIGNAL
28	SHIELD	CAMERA IMAGE SIGNAL GND
29	Y	SIDE CAMERA RH IMAGE SIGNAL
30	G	SIDE CAMERA RH IMAGE GND
31	SHIELD	SHIELD
32	B	SIDE CAMERA RH GND
33	W	SIDE CAMERA RH COMM
34	R	SIDE CAMERA RH POWER SUPPLY
35	L	REAR CAMERA COMM
38	BR	REAR CAMERA POWER SUPPLY
37	SHIELD	SHIELD
38	R	REAR CAMERA IMAGE SIGNAL
39	Y	REAR CAMERA IMAGE SIGNAL
40	W	REAR CAMERA IMAGE GND

JCMWA6240GB

A
B
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PG
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O
P

POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

BATTERY POWER SUPPLY FUSE No. 53

Connector No.	B232
Connector Name	REAR COMBINATION LAMP RH
Connector Type	TH24FW-NH



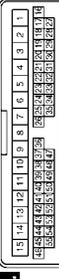
Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	LG	-
4	B	-

Connector No.	B243
Connector Name	WIRE TO WIRE
Connector Type	TH24FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
2	R	-
3	B	-
12	L	-
14	W	-
15	GR	-
16	BR	-
17	LG	-
18	L	-

Connector No.	D1
Connector Name	WIRE TO WIRE
Connector Type	TH46FW-CS15



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

39	O	-
40	BR	-
41	L	-
42	GR	-
43	BR	- [With automatic drive positioner]
43	O	- [Without automatic drive positioner]
44	W	- [With automatic drive positioner]
44	GR	- [Without automatic drive positioner]
45	Y	- [With automatic drive positioner]
45	G	- [Without automatic drive positioner]
46	G	- [With automatic drive positioner]
46	V	- [Without automatic drive positioner]
48	GR	-
49	B	-
50	R	-
52	R	-
53	SB	-
54	O	-
55	Y	-

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



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

Connector No.	D17
Connector Name	DOOR MIRROR-REMOTE CONTROL SWITCH
Connector Type	TK16FW



Terminal No.	Color of Wire	Signal Name [Specification]
4	BR	-
7	B	-
8	B	-
9	R	-
10	GR	-
11	LG	-
12	G	-
13	W	-
15	Y	-

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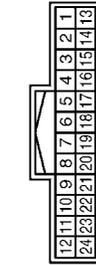
POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

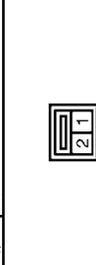
BATTERY POWER SUPPLY FUSE No. 53

Connector No.	D102
Connector Name	WIRE TO WIRE
Connector Type	TH24PW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
3	W	-
4	B	-
5	R	-
6	O	-
13	R	-
14	L	- [With around view monitor]
14	SHIELD	- [Without around view monitor]
15	Y	-
16	G	- [With around view monitor]
16	L	- [Without around view monitor]
17	W	- [With around view monitor]
17	G	- [Without around view monitor]
18	SHIELD	-
19	LG	-
20	O	-
21	V	-
22	P	-
23	BR	-
24	R	-

Connector No.	D112
Connector Name	LICENSE PLATE LAMP LH
Connector Type	TK02FBR



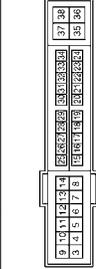
Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	B	-

Connector No.	D117
Connector Name	LICENSE PLATE LAMP RH
Connector Type	TK02FBR



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

Connector No.	E5
Connector Name	IGNITION SWITCH POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	TH20PW-CS12-M4-1V



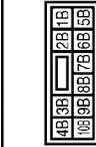
Terminal No.	Color of Wire	Signal Name [Specification]
4	V	-
5	L	-
7	R	-
11	BR	-
12	B/W	-
13	Y	-
16	LG	-
18	W	-
25	G	-
26	R	-
27	BG	-
28	L	-
30	GR	-
32	L	-
33	P	-
36	G	-

Connector No.	E103
Connector Name	FUSE BLOCK (J/B)
Connector Type	MS18FN-CS



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

Connector No.	M2
Connector Name	FUSE BLOCK (J/B)
Connector Type	MS10FW-CS



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

Connector No.	M4
Connector Name	WIRE TO WIRE
Connector Type	TH32PW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
2	SS	-
3	Y	-
4	R	-
5	W	-
6	G	-
7	LG	-
8	B	-
9	V	-
10	B	-
11	W	-
12	W	-
13	SHIELD	-
14	V	-
15	V	-
16	W	-
21	G	-
22	B	-
23	SHIELD	-
24	R	-
25	R	-
26	Y	-
27	G	-
28	B	-
29	W	-
30	SHIELD	-
31	Y	-

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

PG

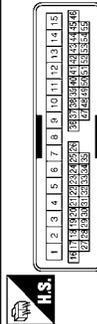
POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

BATTERY POWER SUPPLY FUSE No. 53

Connector No.	M5
Connector Name	WIRE TO WIRE
Connector Type	TH08FW-CS-5



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

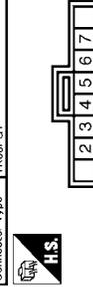
39	BG	-
40	SB	-
41	L	-
42	R	-
43	BR	-
44	V	-
45	G	-
46	SB	- [With automatic drive positioner]
48	V	- [Without automatic drive positioner]
49	P	-
50	B	-
52	R	-
53	V	-
54	LG	-
55	SB	-

Connector No.	M19
Connector Name	VDC OFF SWITCH
Connector Type	TK08FY



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

Connector No.	M28
Connector Name	WARNING SYSTEMS SWITCH
Connector Type	TK08FY



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

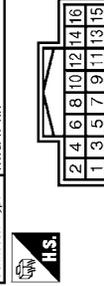
3	W	-
4	B	-
5	R	-
8	B	-
7	V	-

Connector No.	M35
Connector Name	COMBINATION SWITCH (OPTICAL CABLE)
Connector Type	TK08FY-EX-IV



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	TH18FYW-NH



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

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



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

Connector No.	M72
Connector Name	GLOVE BOX LAMP
Connector Type	A02FW



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

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POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

BATTERY POWER SUPPLY FUSE No. 53

Connector No.	M106
Connector Name	WIRE TO WIRE
Connector Type	NI10MW-CS10

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]
1	G	
2	SHIELD	
3	L	
4	W	
5	Y	
6	BR	
7	Y	
8	B	
9	B	
10	R	
11	Y	
12	R	
13	LG	
14	R	- [With NAVI]
15	Y	- [Without NAVI]
16	G	- [With NAVI]
18	BR	- [Without NAVI]
	B	

Connector No.	M132
Connector Name	FRONT POWER SOCKET
Connector Type	NS38FW-CS



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

Connector No.	M134
Connector Name	WIRE TO WIRE
Connector Type	TH2MMF-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	R	
2	R	
3	BR	
4	B	
5	R	
6	Y	
7	B	
8	B	
9	B	
10	B	
11	W	
12	W	
13	W	
14	W	
15	Y	
16	P	
17	B	
18	L	
19	Y	
20	L	

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



1	2	3	4	5	6
7	8	9	10	11	

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

7	R	
8	SB	
9	B	
10	GR	
11	R	

Connector No.	M170
Connector Name	WIRE TO WIRE
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]
1	R	
2	R	
3	BR	
4	B	
5	SB	
6	GR	
7	V	
8	BR	
9	B	
13	W	
14	W	
15	Y	
16	P	
17	L	
18	G	
19	Y	
20	R	

Connector No.	M174
Connector Name	POWER RETURN SWITCH (LH)
Connector Type	TK64FW



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

Connector No.	M175
Connector Name	POWER RETURN SWITCH (RH)
Connector Type	TK64FW-B



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

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

Connector No.	M176
Connector Name	SNOW MODE SWITCH
Connector Type	TK608FW



5	4
3	6
1	2

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

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

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE No. 53

Connector No.	M177
Connector Name	HEATED SEAT SWITCH (DRIVER SIDE)
Connector Type	TK0FYW



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

Connector No.	M178
Connector Name	HEATED SEAT SWITCH (PASSENGER SIDE)
Connector Type	TK0PFR



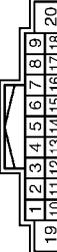
Terminal No.	Color of Wire	Signal Name [Specification]
1	SB	-
2	GR	-
3	R	-
4	W	-
5	W	-
6	B	-

Connector No.	M187
Connector Name	IBA OFF SWITCH
Connector Type	TK0BFGY



Terminal No.	Color of Wire	Signal Name [Specification]
4	Y	-
5	BG	-
6	B	-
7	SB	-

Connector No.	M201
Connector Name	AV CONTROL UNIT
Connector Type	T1H1FW-CSP



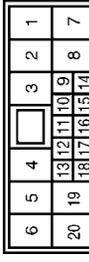
Terminal No.	Color of Wire	Signal Name [Specification]
2	BR	SOUND SIGNAL FRONT LH (+)
3	R	SOUND SIGNAL FRONT LH (-)
4	LG	SOUND SIGNAL REAR DOOR SPEAKER LH (+)
5	L	SOUND SIGNAL REAR DOOR SPEAKER LH (-)
6	P	STRG SW A
7	V	ACC
9	R	ILLUMINATION SIGNAL
11	L	SOUND SIGNAL FRONT RH (+)
12	W	SOUND SIGNAL FRONT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

Connector No.	M210
Connector Name	AV CONTROL UNIT
Connector Type	T1H2FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
65	V	PARKING BRAKE SIGNAL
67	G	COMPOSITE IMAGE SIGNAL
68	R	COMPOSITE IMAGE SIGNAL GND
71	SHIELD	MICROPHONE SHIELD
72	R	MICROPHONE VCC
73	R	COMM (CONT->DSP)
74	P	CAN-L
75	LG	AV COMM (L)
76	LG	AV COMM (L)
79	R	ILLUMINATION
80	G	IGNITION SIGNAL
81	BG	REVERSE SIGNAL
82	R	VEHICLE SPEED SIGNAL (3-PULSE)
83	SHIELD	SHIELD
87	G	MICROPHONE SIGNAL
88	SHIELD	SHIELD
89	G	COMM (DISP->CONT)
90	L	CAN-H
91	SB	AV COMM (H)
92	SB	AV COMM (H)

Connector No.	RI
Connector Name	WIRE TO WIRE
Connector Type	MH10FW-GS10



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

3	L	-
4	BR	- [With automatic drive positioner]
4	W	- [Without automatic drive positioner]
5	G	-
7	BR	-
8	Y	-
9	B	-
10	Y	-
11	V	-
12	BR	-
13	R	-
14	W	-
15	SHIELD	-
16	B	-
18	B	-

Connector No.	RT11
Connector Name	WIRE TO WIRE
Connector Type	T1H2MM-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	-	-
2	-	-
3	-	-
4	-	-
5	-	-
6	-	-
7	-	-
8	-	-
9	-	-
11	-	-
12	-	-

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

ACCESSORY POWER SUPPLY

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



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

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



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

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



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

66	Y	-
69	LG	-
70	W	-
71	R	-
72	B	-
73	B	- [With ICC]
74	BR	- [Without ICC]
75	G	- [With ICC]
76	W	- [Without ICC]
77	R	- [With ICC]
78	P	- [Without ICC]
79	BR	- [With ICC]
80	SB	- [Without ICC]
81	R	-
82	SB	-
83	BG	-
84	G	-
85	L	-
86	P	-
87	V	-
89	GR	-
90	SHIELD	-
91	W	-
92	Y	-
93	V	-
94	LG	-
95	BG	-
96	P	-
97	R	-
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	GR	-
2A	G	-
3A	L	-
4A	P	-
5A	V	-
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]
3B	P	-
4B	G	-
5B	BG	-
6B	Y	-
7B	P	-
8B	R	-
9B	SB	-

POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

ACCESSORY POWER SUPPLY

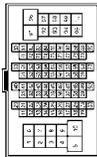
Connector No.	M83
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS12FN-CS



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

Terminal No.	Color of Wire	Signal Name [Specification]
6C	R	-
7C	B	-
9C	BG	-
10C	L	-
11C	R	-
12C	BG	-

Connector No.	M8
Connector Name	WIRE TO WIRE
Connector Type	THROMV-CS18-TM4



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

20	BG	-	-	-	-
21	L	-	-	-	-
22	W	-	-	-	-
23	P	-	-	-	-
24	BR	-	-	-	-
25	Y	-	-	-	-
26	V	-	-	-	-
27	G	-	-	-	-
28	G	-	-	-	-
31	L	-	-	-	-
32	G	-	-	-	-
33	B	-	-	-	-
34	W	-	-	-	-
35	R	-	-	-	-
36	SHIELD	-	-	-	-
37	V	-	-	-	-
38	BG	-	-	-	-
39	BR	-	-	-	-
41	W	-	-	-	-
42	BG	-	-	-	-
43	BG	-	-	-	-
45	W	-	-	-	-
49	L	-	-	-	-
50	P	-	-	-	-
51	BR	-	-	-	-
52	L	-	-	-	-
53	P	-	-	-	-
54	Y	-	-	-	-
56	BR	-	-	-	-
57	G	-	-	-	-
59	W	-	-	-	-
60	L	-	-	-	-
61	G	-	-	-	-
62	SB	-	-	-	-
63	G	-	-	-	-
64	B	-	-	-	-
65	W	-	-	-	-
66	R	-	-	-	-
67	SHIELD	-	-	-	-
68	Y	-	-	-	-
70	LG	-	-	-	-
71	LG	-	-	-	-
72	Y	-	-	-	-
73	SB	-	-	-	-
74	BR	-	-	-	-
74	L	-	-	-	-
74	L	-	-	-	-
75	G	-	-	-	-
76	W	-	-	-	-
76	W	-	-	-	-
76	GR	-	-	-	-
77	R	-	-	-	-
77	P	-	-	-	-

78	L	-	-	-	-
78	R	-	-	-	-
78	Y	-	-	-	-
78	W	-	-	-	-
80	SB	-	-	-	-
81	SB	-	-	-	-
82	SB	-	-	-	-
83	V	-	-	-	-
84	G	-	-	-	-
85	L	-	-	-	-
86	P	-	-	-	-
87	W	-	-	-	-
88	GR	-	-	-	-
90	SHIELD	-	-	-	-
91	W	-	-	-	-
92	Y	-	-	-	-
93	BR	-	-	-	-
94	P	-	-	-	-
95	GR	-	-	-	-
96	W	-	-	-	-
98	L	-	-	-	-
98	SHIELD	-	-	-	-
98	V	-	-	-	-
100	SB	-	-	-	-

Connector No.	M118
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	M03PE-LC



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

Connector No.	M119
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	NS16PF-CS



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

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

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

ACCESSORY POWER SUPPLY

Connector No.	M122
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	THMFB-NM



Terminal No.	Color of Wire	Signal Name [Specification]
72	R	ROOM ANT2-
73	G	ROOM ANT2+
74	SB	PASSENGER DOOR ANT-
75	GR	PASSENGER DOOR ANT+
76	V	DRIVER DOOR ANT-
77	LG	DRIVER DOOR ANT+
78	Y	ROOM ANT1-
79	BR	ROOM ANT1+
80	GR	MAT'S ANT AMP
81	W	MAT'S ANT AMP
82	R	IGN RELAY (F/B) CONT
83	Y	KEYLESS ENTRY RECEIVER COMM
87	BR	COMBI SW INPUT 5
88	V	COMBI SW INPUT 3
89	BR	PUSH SW
90	P	CAN-L
91	L	CAN-H
92	LG	KEY SLOT ILL
93	V	ON IND
94	Y	PUDDLE LAMP CONT
95	BG	ACC RELAY CONT
96	GR	A/T SHFT SELECTOR POWER SUPPLY
97	L	S/L CONDITION 1
98	P	S/L CONDITION 2
99	R	SHFT P
100	G	PASSENGER DOOR REQUEST SW
101	SB	DRIVER DOOR REQUEST SW
102	BG	BLOWER FAN MOTOR RELAY CONT
103	LG	KEYLESS ENTRY RECEIVER POWER SUPPLY
106	W	S/L UNIT POWER SUPPLY
107	LG	COMBI SW INPUT 1
108	R	COMBI SW INPUT 4
109	Y	COMBI SW INPUT 2
110	G	HAZARD SW
111	Y	S/L UNIT COMM

Connector No.	M132
Connector Name	FRONT POWER SOCKET
Connector Type	NS3GFM-CS



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

Connector No.	M14B
Connector Name	CONSOLE POWER SOCKET
Connector Type	P02FB-Z



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

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

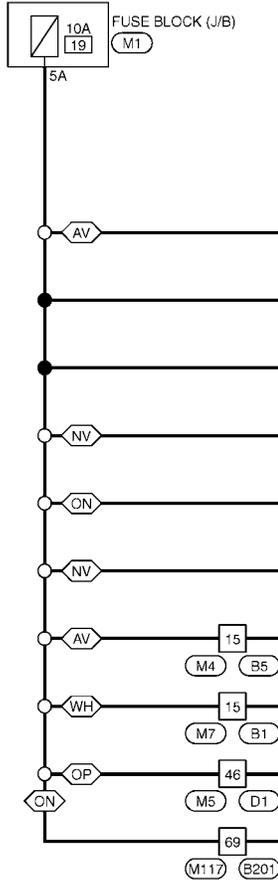
[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - ACCESSORY POWER SUPPLY FUSE No. 19 -

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ACCESSORY POWER SUPPLY FUSE No. 19

- : With NAVI
- : Without NAVI
- : With around view monitor
- : Without automatic drive positioner
- : With hands-free phone



Connector No.	Terminal No.	Connect to
(M47)	13	SONAR CONTROL UNIT
(M67)	41	UNIFIED METER AND A/C AMP.
(M72)	3	MULTIFUNCTION SWITCH
(M195)	23	DISPLAY UNIT
(M201)	7	AV CONTROL UNIT
(M206)	7	AV CONTROL UNIT
(B46)	4	AROUND VIEW MONITOR CONTROL UNIT
(B87)	2	TEL ADAPTER UNIT
(D7)	7	DOOR MIRROR REMOTE CONTROL SWITCH
(B236)	16	SATELLITE RADIO TUNER

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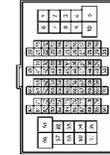
POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

ACCESSORY POWER SUPPLY FUSE No. 19

Connector No.	B1
Connector Name	WIRE TO WIRE
Connector Type	TH80FY-C316-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
3	R	-
5	G	-
6	SB	-
7	V	-
8	L	-
12	SB	-
13	LG	-
14	GR	-
15	LG	-
17	W	-
18	SB	-
19	LG	-
20	BR	-
21	SHIELD	-
22	Y	-
24	P	-
27	B	-
28	R	-
29	W	-
30	SHIELD	-
31	SHIELD	-
32	W	-
33	SB	-
34	L	-
35	P	-
36	L	-
37	P	-
38	BR	-
39	Y	-
44	Y	-
45	GR	-
46	LG	-
47	SB	-
49	G	-
50	V	-
60	P	-
61	L	-
62	SHIELD	-

63	R	-
64	G	-
65	SHIELD	-
66	W	-
67	Y	-
68	SB	-
69	SHIELD	-
70	W	-
73	SB	-
74	L	-
75	W	-
76	BR	-
77	R	-
78	P	-
79	GR	-
83	BG	-
85	V	-
86	LG	-
87	Y	-
88	B	-
89	B	-
90	P/G	-
91	G	-
92	BR	-
93	G	-
94	SB	-
95	G	-
96	Y	-
98	W	-
99	GR	-

Connector No.	B5
Connector Name	WIRE TO WIRE
Connector Type	TH82MF-NH



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

7	LG	-
8	B	-
9	V	-
10	SB	-
11	GR	-
12	W	-
13	SHIELD	-
14	SB	-
15	GR	-
16	P	-
21	G	-
22	B	-
23	SHIELD	-
24	BG	-
25	BR	-
26	Y	-
27	W	-
28	R	-
29	L	-
30	SHIELD	-
31	Y	-

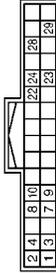
Connector No.	B46
Connector Name	AROUND VIEW MONITOR CONTROL UNIT
Connector Type	TH40FY-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	GND
2	Y	BATTERY
3	P	IGNITION SIGNAL
4	GR	ACC
5	BG	ILLUMINATION SIGNAL
6	SB	VEHICLE SPEED SIGNAL (3-PULSE)
7	V	REVERSE SIGNAL
9	V	CONTROL SIGNAL
13	B	CONTROL SIGNAL
17	SB	AV COMM (H)
18	LG	AV COMM (L)
21	SB	AV COMM (H)
22	LG	AV COMM (L)
23	LG	AUXILIARY (INFARED) LED (+)
24	G	AUXILIARY (INFARED) LED (-)

27	W	CAMERA IMAGE SIGNAL
28	SHIELD	CAMERA IMAGE SIGNAL GND
29	Y	SIDE CAMERA RH IMAGE SIGNAL
30	G	SIDE CAMERA RH IMAGE GND
31	SHIELD	SHIELD
32	B	SIDE CAMERA RH GND
33	W	SIDE CAMERA RH COMM
34	R	SIDE CAMERA RH POWER SUPPLY
35	L	REAR CAMERA COMM
36	BR	REAR CAMERA POWER SUPPLY
37	SHIELD	SHIELD
38	R	REAR CAMERA GND
39	Y	REAR CAMERA IMAGE SIGNAL
40	W	REAR CAMERA IMAGE GND

Connector No.	B87
Connector Name	TEL ADAPTER UNIT
Connector Type	TH82FW-NH



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

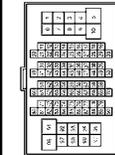
POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

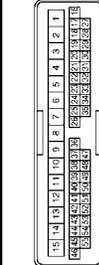
ACCESSORY POWER SUPPLY FUSE No. 19

Connector No.	B201
Connector Name	WIRE TO WIRE
Connector Type	TH80PW-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	
2	R	
3	GR	
4	EG	
7	LG	
10	W	
13	SB	
16	V	
17	BR	
26	BR	
27	L	
28	Y	
29	Y	
30	GR	
31	R	
32	BR	
33	G	
51	R	
52	V	
55	G	
56	R	
57	W	
58	B	
59	SHIELD	
60	LG	
61	W	
62	BR	
63	P	
64	L	
65	G	
66	P	
67	L	
68	SHIELD	
69	V	
70	Y	
71	SB	
72	W	
73	BR	

Connector No.	D1
Connector Name	WIRE TO WIRE
Connector Type	TH80PW-CS15



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

39	O	-
40	BR	-
41	L	-
42	GR	-
43	BR	- [With automatic drive positioner]
44	W	- [Without automatic drive positioner]
44	GR	- [Without automatic drive positioner]
45	Y	- [With automatic drive positioner]
45	G	- [Without automatic drive positioner]
46	G	- [With automatic drive positioner]
46	V	- [Without automatic drive positioner]
49	GR	-
50	B	-
52	R	-
53	SB	-
54	O	-
55	Y	-

Connector No.	D7
Connector Name	DOOR MIRROR REMOTE CONTROL SWITCH
Connector Type	TM4,6FW



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

Connector No.	B238
Connector Name	SATELLITE RADIO TUNER
Connector Type	AT16FW



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

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

ACCESSORY POWER SUPPLY FUSE No. 19

Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	HS26FW-ME



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

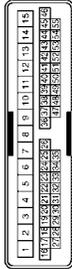
Connector No.	M4
Connector Name	WIRE TO WIPE
Connector Type	TH22FW-NH



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

15	V	-
16	W	-
21	G	-
22	B	-
23	SHIELD	-
24	R	-
25	R	-
26	Y	-
27	G	-
28	B	-
29	W	-
30	SHIELD	-
31	Y	-

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



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

24	Y	-
25	GR	-
26	R	-
27	W	-
28	SHIELD	-
29	Y	-
30	Y	-
31	R	-
32	BR	-
33	SB	-
34	Y	-
35	P	-
36	LG	-
37	BR	-
38	P	-
39	BG	-
40	SB	-
41	L	-
42	R	-
43	BR	-
44	V	-
45	G	-
46	SB	- [With automatic drive positioner]
46	V	- [Without automatic drive positioner]
48	P	-
50	B	-
52	R	-
53	V	-
54	LG	-
55	SB	-

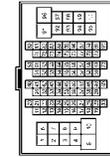
POWER SUPPLY ROUTING CIRCUIT

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[POWER SUPPLY & GROUND CIRCUIT]

ACCESSORY POWER SUPPLY FUSE No. 19

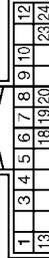
Connector No.	M7
Connector Name	WIRE TO WIRE
Connector Type	TH20MW-CS 6-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
3	SB	- [With automatic drive positioner]
3	W	- [Without automatic drive positioner]
5	G	-
6	EG	-
7	W	-
8	B	-
12	SB	-
13	LG	-
14	Y	-
15	G	-
17	W	-
18	SB	-
19	LG	-
20	BR	-
21	SHIELD	-
22	Y	-
24	V	-
27	B	-
28	W	-
29	R	-
30	SHIELD	-
31	L	-
32	P	-
33	SB	-
34	L	-
35	P	-
36	L	-
37	P	-
38	BR	-
39	Y	-
44	L	-
45	GR	-
46	LG	-
47	SB	-
48	V	-
50	R	-
60	P	-
61	L	-

62	SHIELD	-
63	R	-
64	C	-
65	SHIELD	-
66	SB	-
67	V	-
68	LG	-
69	SHIELD	-
70	W	-
73	G	-
74	R	-
75	W	-
76	W	-
77	B	-
78	P	-
79	GR	-
83	BG	-
85	LG	-
86	R	-
87	Y	-
88	W	-
89	BR	-
90	BG	-
91	G	-
92	V	-
93	BR	-
94	V	-
95	G	-
96	Y	-
98	W	-
99	R	-

Connector No.	IM7
Connector Name	SONAR CONTROL UNIT
Connector Type	TH24PFP-HH



Terminal No.	Color of Wire	Signal Name [Specification]
3	R	CORNER SENSOR SIGNAL FRONT LH
4	W	CORNER SENSOR SIGNAL FRONT RH
5	W	CORNER SENSOR SIGNAL REAR LH
6	R	CORNER SENSOR SIGNAL REAR RH
12	B	SENSOR GND

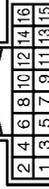
13	V	ACC
18	V	K LINE
19	G	AV COMM (H)
20	R	AV COMM (L)
21	B	GND

Connector No.	IM7
Connector Name	UNIFIED METER AND A/C AMP
Connector Type	TH32FW-NH



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

Connector No.	MT2
Connector Name	MULTIFUNCTION SWITCH
Connector Type	TH18PFP-NH



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

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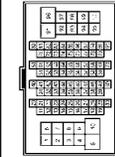
POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

ACCESSORY POWER SUPPLY FUSE No. 19

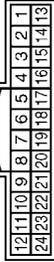
Connector No.	M117
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS (F-TMM)



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	G	-
3	GR	-
4	SB	-
7	W	-
10	W	-
15	SB	-
16	V	-
17	BR	-
26	BR	-
27	LG	-
28	Y	-
29	Y	-
30	V	-
31	R	-
32	BR	-
33	G	-
51	R	-
52	L	-
55	W	-
56	B	-
57	R	-
58	G	-
59	SHIELD	-
60	V	-
61	LG	-
62	BR	-
63	L	-
64	LG	-
65	B	-
66	R	-
67	W	-
68	SHIELD	-
69	V	-
70	Y	-
71	SB	-
72	W	-
73	G	-

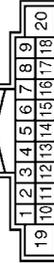
75	W	-
80	V	-
81	SB	-
82	V	-
83	P	-
84	R	-
85	L	-
86	BG	-
87	L	-
88	P	-
91	V	-
92	G	-
94	G	-
95	W	-
96	G	-
97	Y	-
98	BR	-
99	V	-
99	P	-
100	SB	-
100	L	-

Connector No.	M195
Connector Name	DISPLAY UNIT
Connector Type	TH24FY-NH



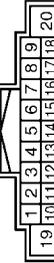
Terminal No.	Color of Wire	Signal Name [Specification]
6	SHIELD	SHIELD
7	SHIELD	CAMERA IMAGE SIGNAL GND
8	W	CAMERA IMAGE SIGNAL
9	G	COM1 (DISP->CONT)
10	R	COM1 (CONT->DISP)
11	Y	BATTERY
12	B	GND
18	R	COMPOSITE IMAGE SIGNAL
19	G	COMPOSITE IMAGE SIGNAL GND
22	SHIELD	SHIELD
23	V	ACC

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



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

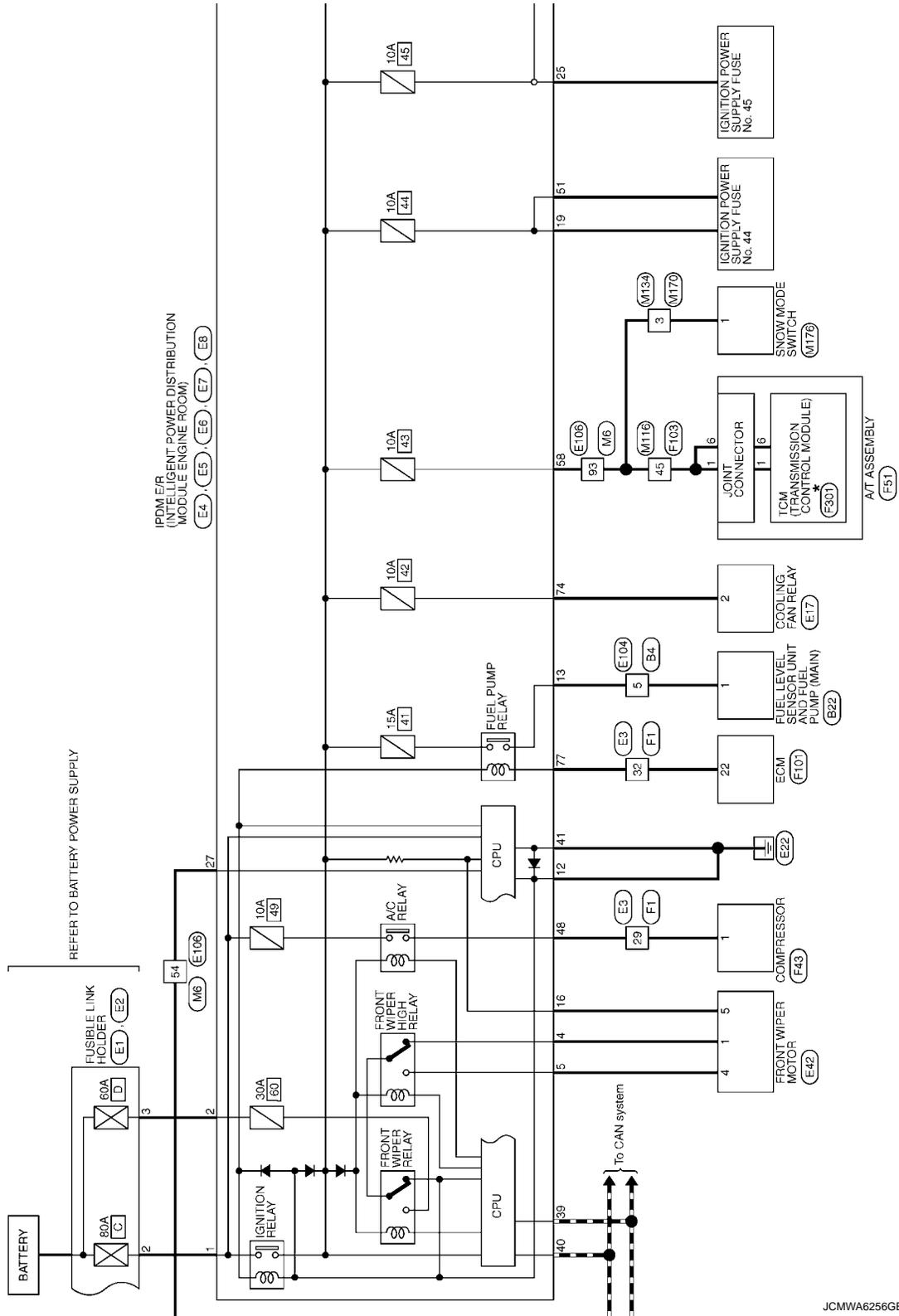
10	B	SHIELD
11	P	SOUND SIGNAL FRONT RH (+)
12	L	SOUND SIGNAL FRONT RH (-)
13	V	SOUND SIGNAL REAR RH (+)
14	LG	SOUND SIGNAL REAR RH (-)
15	B	STRG SW GND
16	L	STRG SW B
19	Y	BATTERY
20	B	GND

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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



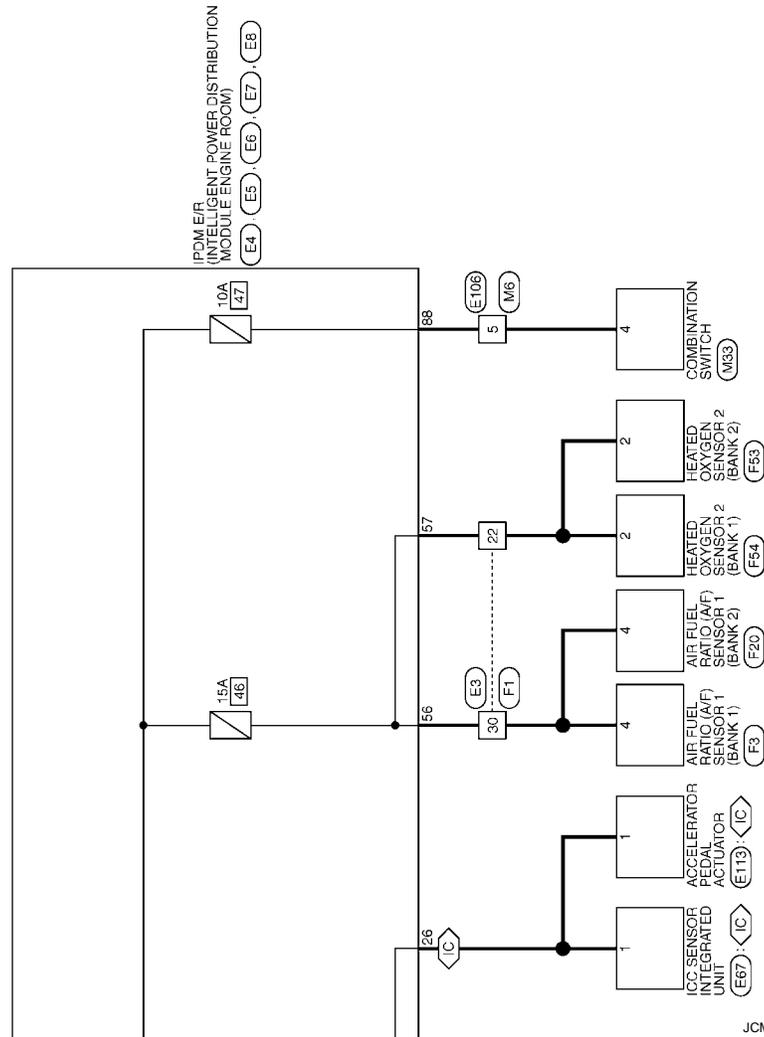
JCMWA6256GB

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

⊠ : With ICC



JCMWA6257GB

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

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

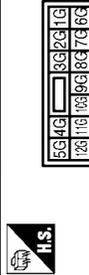
IGNITION POWER SUPPLY

Connector No.	B4
Connector Name	WIRE TO WIRE
Connector Type	NS12FV-CS



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

Connector No.	B8
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS12FBR-CS



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

Connector No.	B22
Connector Name	FUEL LEVEL SENSOR UNIT AND FUEL PUMP (MAN)
Connector Type	ES5FY-RS



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

Connector No.	B27
Connector Name	WIRE TO WIRE
Connector Type	MGBMW-LC



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

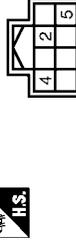
Connector No.	B201
Connector Name	WIRE TO WIRE
Connector Type	TH08FV-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	R	-
3	GR	-
4	BG	-
7	LG	-
10	W	-
15	SB	-
16	V	-
17	BR	-
26	BR	-
27	L	-
28	Y	-
29	Y	-
30	GR	-
31	R	-
32	BR	-
33	G	-
51	R	-
52	V	-
55	G	-
56	R	-
57	W	-
58	B	-
SHIELD	SHIELD	-
60	LG	-
61	W	-
62	BR	-
63	P	-
64	L	-
65	G	-
66	P	-
67	L	-
68	SHIELD	-
69	V	-
70	Y	-
71	SB	-
72	W	-
73	BR	-

75	Y	-
80	V	-
81	SB	-
82	LG	-
83	P	-
84	R	-
85	L	-
86	BG	-
87	L	-
88	P	-
91	V	-
92	R	-
94	R	-
95	RS	-
96	G	-
97	G	-
98	R	-
99	P	-
100	L	-

Connector No.	B214
Connector Name	OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT
Connector Type	TH08FV-NH



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

POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

IGNITION POWER SUPPLY

Connector No.	D1
Connector Name	WIRE TO WIRE
Connector Type	TH4CPW-CS15

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



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

39	O	-
40	BR	-
41	L	-
42	GR	-
43	BR	- [With automatic drive positioner]
43	O	- [Without automatic drive positioner]
44	W	- [With automatic drive positioner]
44	GR	- [Without automatic drive positioner]
45	Y	- [With automatic drive positioner]
45	G	- [Without automatic drive positioner]
46	G	- [With automatic drive positioner]
46	V	- [Without automatic drive positioner]
49	GR	-
50	B	-
52	R	-
53	SB	-
54	O	-
55	Y	-

Connector No.	D3
Connector Name	DOOR MIRROR (DRIVER SIDE)
Connector Type	TH2MMV-NH

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



Terminal No.	Color of Wire	Signal Name [Specification]
2	O	-
3	B	-
5	Y	-
6	R	-
7	W	-
10	G	-
11	P	-
12	O	-
14	LG	-
17	G	-
18	W	-
19	B	-
21	GR	-
22	BR	-
23	Y	-
24	V	-

Connector No.	D31
Connector Name	WIRE TO WIRE
Connector Type	TH4CPW-CS15

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



Terminal No.	Color of Wire	Signal Name [Specification]
7	R	-
8	BR	-
9	V	-
12	P	-
13	LG	-
14	B	-
15	W	-
16	BR	-
17	B	-
18	R	-
19	Y	-
20	B	-
20	R	- [With BOSE audio]
21	G	- [Without BOSE audio]
21	BR	- [With BOSE audio]
22	V	- [Without BOSE audio]
23	P	-
24	W	-
25	SB	-
26	R	-
29	SHIELD	-
30	W	-
31	LG	-
32	BR	-
33	O	-
34	GR	-
35	G	-
43	Y	-
44	V	-
45	P	-
48	W	-
52	G	-
53	GR	-
54	O	-
55	L	-

Connector No.	D33
Connector Name	DOOR MIRROR (PASSENGER SIDE)
Connector Type	TH2MMV-NH

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



Terminal No.	Color of Wire	Signal Name [Specification]
3	W	-
4	LG	-
5	B	-
6	R	-
7	L	-
10	G	-
11	GR	-
12	O	-
15	BR	-
17	G	-
18	Y	-
19	B	-
21	P	-
22	Y	-
23	W	-
24	V	-

Connector No.	D.01
Connector Name	WIRE TO WIRE
Connector Type	MM8FW-LC

3	2	1
6	5	4



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

JCMWA6259GB

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

Connector No.	D108
Connector Name	REAR WINDOW DEFOGGER
Connector Type	M02MB-P-LC



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

Connector No.	E1
Connector Name	FUSIBLE LINK HOLDER
Connector Type	L02FB-MC



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
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.	E3
Connector Name	WIRE TO WIRE
Connector Type	SAA38MB-RS10-SJZZ



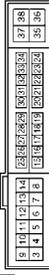
Terminal No.	Color of Wire	Signal Name [Specification]
19	W	-
20	GR	-
21	Y	-
22	G	-
23	W	-
25	SB	-
28	R	-
28	P	-
29	L	-
30	LG	-
31	LG	-
32	R	-
33	P	-
34	W	-
35	SB	-
40	BG	-
41	G	-
42	Y	-
43	BR	-
44	BG	-

Connector No.	E4
Connector Name	WIRE TO INTELLIGENT POWER DISTRIBUTION MODULE PHASE BOW
Connector Type	L02FB-MC



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

Connector No.	E5
Connector Name	WIRE TO INTELLIGENT POWER DISTRIBUTION MODULE PHASE BOW
Connector Type	TH08FY-MS12-M4-TV



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

Connector No.	E5
Connector Name	WIRE TO INTELLIGENT POWER DISTRIBUTION MODULE PHASE BOW
Connector Type	TH08FY-RH



Terminal No.	Color of Wire	Signal Name [Specification]
38	P	-
40	L	-
41	B/W	-
42	Y	-
43	SR	-
44	BR	-

45	G
46	R

Connector No.	E7
Connector Name	WIRE TO INTELLIGENT POWER DISTRIBUTION MODULE PHASE BOW
Connector Type	TH20FW-C512-M4



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

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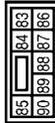
POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

IGNITION POWER SUPPLY

Connector No.	E8
Connector Name	SWAYLE INTELLIGENT POWER DISTRIBUTION MODULE (SWAYLE INTEL)
Connector Type	NS28FN-CS



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

Connector No.	E17
Connector Name	COOLING FAN RELAY
Connector Type	24347 3F300



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

Connector No.	E42
Connector Name	FRONT WIPER MOTOR
Connector Type	HS3GFGY



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

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



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	IGNITION
2	L	ITS COMM-H
3	L	CAN-H
4	B	GRD
5	P	ITS COMM-L
6	P	CAN-L

Connector No.	E101
Connector Name	FUSE BLOCK (J/B)
Connector Type	L01FP-MC



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

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



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

Connector No.	E103
Connector Name	FUSE BLOCK (J/B)
Connector Type	MS10FW-CS



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

8F	L
9F	R

Connector No.	E104
Connector Name	WIRE TO WIRE
Connector Type	NS12MM-CS



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

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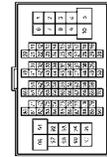
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY

Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	TH80FY-C516-TM4



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

49	L	-
50	P	-
51	L	-
52	L	-
53	P	-
54	BG	-
56	BR	-
57	BR	-
59	W	-
60	LG	-
61	G	-
62	SB	-
63	W	-
64	B	-
65	G	-
66	R	-
67	SHIELD	-
68	Y	-
68	LG	-
70	W	-
71	R	-
72	Y	-
73	B	-
74	BR	- [With ICC]
74	L	- [Without ICC]
75	G	- [With ICC]
75	W	- [Without ICC]
76	W	- [With ICC]
76	Y	- [Without ICC]
77	R	- [With ICC]
77	P	- [Without ICC]
78	L	- [With ICC]
78	BR	- [Without ICC]
79	Y	- [With ICC]
79	L	- [Without ICC]
80	SB	-
81	R	-
82	SB	-
83	BG	-
84	G	-
85	L	-
86	P	-
87	V	-
88	GR	-
90	SHIELD	-
91	W	-
92	Y	-
93	V	-
94	LG	-
95	BG	-
96	P	-
97	R	-

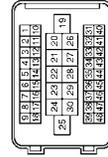
38	SHIELD	-
39	L	-
40	P	-

Connector No.	E113
Connector Name	ACCELERATOR PEDAL ACTUATOR
Connector Type	KDZ08FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	IGNITION
2	BG	BATTERY
3	P	ITS COMM-L
4	B/W	GRD
5	L	ITS COMM-H

Connector No.	F1
Connector Name	WIRE TO WIRE
Connector Type	SAA38FB-RS1P-SJZ2



Terminal No.	Color of Wire	Signal Name [Specification]
18	W	-
20	GR	-
21	P	-
22	G	-
23	W	-
25	P	-
26	BR	-
28	R	-
29	L	-
30	Y	-
31	V	-
32	LG	-

33	GR	-
34	G	-
35	Y	-
40	BG	-
41	SS	-
42	P	-
43	BR	-
44	BG	-

Connector No.	F3
Connector Name	AIR FUEL RATIO (A/F) SENSOR 1 (BANK 1)
Connector Type	RH04MDGY-BR



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

Connector No.	FZ0
Connector Name	AIR FUEL RATIO (A/F) SENSOR 1 (BANK 2)
Connector Type	RH04MDGY-BR



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

JCMWA6262GB

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY

Connector No.	F43
Connector Name	COMPRESSOR
Connector Type	RS01FB



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

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



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

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



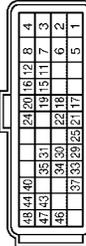
Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
2	G	-
3	SB	-
4	BB	-

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



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

Connector No.	F101
Connector Name	ECM
Connector Type	RH40FB-R29-L-LH-Z



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	AFH1
2	G	MOTOR1-1
3	R	MOTR1
4	BR	MOTOR1-2
5	GR	AFH2
6	SB	EVTCH1
7	Y	EVTCH2
8	B	GND
11	GR	IGN#4
12	L	IGN#3
15	V	IGN#5
16	G	IGN#2
17	P	O2HR1
18	W	CVTCH1
18	SB	IGN#6
20	Y	IGN#1
21	GR	EVAP
22	LG	FRB
24	BR	SSOFF
25	BG	MOTR1Y1
28	G	CVTCH2
30	Y	TPST1-1
31	R	TPST1-2
33	SB	OPR2
34	L	TPSZ-1
35	W	TPSZ-2
37	LG	POS
40	R	GND-A(TPS)
43	G	AVCC-TPS
44	B	AVCC-TPS
46	R	AVCC-POS
47	Y	GND-POS
48	B	GND-A-INTRES

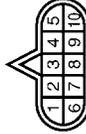
Connector No.	F103
Connector Name	WIRE TO WIRE
Connector Type	TK30FW-HS10



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

3	W	-
4	R	-
5	B	-
6	Y	-
9	GR	-
10	BR	-
19	EG	-
20	Y	-
28	B	-
29	LG	-
31	R	-
33	B	-
34	B	-
35	L	-
36	P	-
37	Y	-
38	G	-
43	P	-
44	L	-
45	Y	-
48	V	-

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



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

JCMWA6263GB

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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	NSD6FW-ME



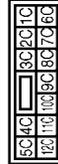
Terminal No.	Color of Wire	Signal Name [Specification]
1A	GR	-
2A	G	-
3A	L	-
4A	P	-
5A	V	-
6A	Y	-
7A	R	-
8A	L	-



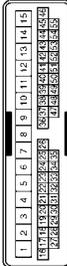
Connector No.	M2
Connector Name	FUSE BLOCK (J/B)
Connector Type	NSD10FW-CS

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

Connector No.	M3
Connector Name	FUSE BLOCK (J/B)
Connector Type	NSD12FW-CS



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



Connector No.	M5
Connector Name	WIRE TO WIRE
Connector Type	TH40MP-CS15

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

17	B	-
18	G	-
19	Y	-
20	L	-
21	LG	-
22	L	-
23	G	-
24	Y	-
25	GR	-
26	R	-
27	W	-
28	SHIELD	-
29	Y	-
30	Y	-
31	R	-
32	BR	-
33	SB	-
34	Y	-
35	P	-
36	LG	-
37	BR	-
38	P	-
39	BG	-
40	SB	-
41	L	-
42	R	-
43	BR	-
44	V	-
45	G	-
46	SB	- [With automatic drive positioner]
46	V	- [Without automatic drive positioner]
49	P	-
50	B	-
52	R	-
53	V	-
54	LG	-
55	SB	-

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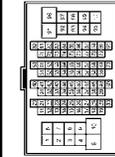
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY

Connector No.	M8
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS 8-TM4

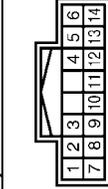


Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	R	-
3	B	-
4	SHIELD	-
5	G	-
6	Y	-
8	BR	-
10	R	-
11	BR	-
12	BG	-
13	L	-
14	R	-
15	P	-
16	V	-
17	SB	-
18	V	-
20	BG	-
21	L	-
22	W	-
23	P	-
24	BR	-
26	Y	-
28	G	-
31	L	-
32	G	-
33	B	-
34	W	-
35	R	-
36	SHIELD	-
37	V	-
38	BG	-
39	BR	-
41	W	-
42	BG	-
43	BG	-
45	W	-

49	L	-
50	P	-
51	BR	-
52	L	-
53	P	-
54	Y	-
56	BR	-
57	G	-
59	W	-
60	L	-
61	G	-
62	SB	-
63	G	-
64	B	-
65	W	-
66	R	-
67	SHIELD	-
68	Y	-
68	GR	-
70	LG	-
71	LG	-
72	Y	-
73	SB	-
74	BR	-
74	L	- [With ICC]
74	L	- [Without ICC]
75	G	-
76	W	- [With ICC]
76	GR	- [Without ICC]
77	R	- [With ICC]
77	P	- [Without ICC]
78	L	- [With ICC]
78	R	- [Without ICC]
79	Y	- [With ICC]
79	W	- [Without ICC]
80	SB	-
81	SB	-
82	SB	-
83	V	-
84	G	-
85	L	-
86	P	-
87	W	-
89	GR	-
90	SHIELD	-
91	W	-
92	Y	-
93	BR	-
94	P	-
95	GR	-
96	W	-
97	L	-
98	SHIELD	-

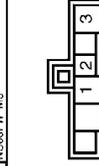
99	V	-
100	SB	-

Connector No.	M33
Connector Name	COMBINATION SWITCH
Connector Type	TH18PW-NH



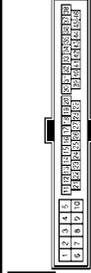
Terminal No.	Color of Wire	Signal Name [Specification]
1	P	FR WASHER(-)
2	SB	OUTPUT 4
3	GR	FR WASHER(+)
4	G	IGN
5	L	OUTPUT 3
6	B	GND
7	V	INPUT 3
8	BG	OUTPUT 5
9	Y	INPUT 2
10	R	INPUT 4
11	LG	INPUT 1
12	P	OUTPUT 1
13	BR	INPUT 5
14	G	OUTPUT 2

Connector No.	M109
Connector Name	BLOWER MOTOR
Connector Type	MS03FW-M3



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

Connector No.	M116
Connector Name	WIRE TO WIRE
Connector Type	TK36MF-MS10



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

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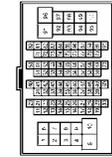
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY

Connector No.	M117
Connector Name	WIRE TO WIRE
Connector Type	TH80MY-CS (F-TMM)



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	G	-
3	GR	-
4	SB	-
7	W	-
10	W	-
15	SB	-
16	V	-
17	BR	-
26	BR	-
27	LG	-
28	Y	-
29	Y	-
30	V	-
31	R	-
32	BR	-
33	G	-
51	R	-
52	L	-
55	W	-
56	B	-
57	R	-
58	C	-
59	SHIELD	-
60	V	-
61	LG	-
62	BR	-
63	L	-
64	LG	-
65	B	-
66	R	-
67	W	-
68	SHIELD	-
69	V	-
70	Y	-
71	SB	-
72	W	-
73	G	-

75	W	-
80	V	-
81	SB	-
82	V	-
83	P	-
84	R	-
85	L	-
86	BG	-
87	L	-
88	P	-
91	V	-
92	G	-
94	G	-
95	W	-
96	G	-
97	Y	-
98	BR	-
99	V	- [With BOSE audio]
99	P	- [Without BOSE audio]
100	SB	- [With BOSE audio]
100	L	- [Without BOSE audio]

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



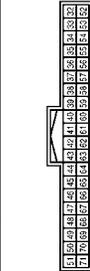
Terminal No.	Color of Wire	Signal Name [Specification]
1	W	BAT (F/L)
2	W	POWER WINDOW POWER SUPPLY (BAT)
3	Y	POWER WINDOW POWER SUPPLY (TRAP)

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



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

Connector No.	M121
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FGV-NH



Terminal No.	Color of Wire	Signal Name [Specification]
34	SB	LUGGAGE ROOM ANT-
35	V	LUGGAGE ROOM ANT+
38	B	BACK DOOR ANT-
38	W	BACK DOOR ANT+
47	Y	IGN RELAY (IPDM E/R) CONT
52	SB	STARTER RELAY CONT
61	W	BACK DOOR OPENER REQUEST SW
64	V	F-KEY WARN BUZZER (ENG ROOM)
65	BG	REAR WIPER STOP POSITION

66	R	BACK DOOR SW
67	GR	BACK DOOR OPENER SW
68	BR	REAR RH DOOR SW
69	R	REAR LH DOOR SW

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY

Connector No.	M122
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH4GFB-NH



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111
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Terminal No.	Color of Wire	Signal Name [Specification]
72	R	ROOM ANT2-
73	G	ROOM ANT2+
74	SB	PASSENGER DOOR ANT-
75	GR	PASSENGER DOOR ANT+
76	V	DRIVER DOOR ANT-
77	LG	DRIVER DOOR ANT+
78	Y	ROOM ANT1-
79	BR	ROOM ANT1+
80	GR	NAT'S ANT AMP
81	W	NAT'S ANT AMP
82	R	IGN RELAY (F/B) CONT
83	Y	KEYLESS ENTRY RECEIVER COMM
87	BR	COMBI SW INPUT 5
88	V	COMBI SW INPUT 3
89	BR	PUSH SW
90	P	CAN-L
91	L	KEY SLOT ILL
92	LG	ON IND
93	V	PLUDDLE LAMP CONT
94	Y	ACC RELAY CONT
95	BG	A/T SHIFT SELECTOR POWER SUPPLY
96	GR	S/L CONDITION 1
97	L	S/L CONDITION 2
98	P	SHIFT P
99	R	PASSENGER DOOR REQUEST SW
100	G	DRIVER DOOR REQUEST SW
101	SB	BLOWER FAN MOTOR RELAY CONT
102	BG	KEYLESS ENTRY RECEIVER POWER SUPPLY
103	LG	S/L UNIT POWER SUPPLY
106	W	COMBI SW INPUT 1
107	LG	COMBI SW INPUT 4
108	R	COMBI SW INPUT 2
109	Y	HAZARD SW
110	G	S/L UNIT COMM
111	Y	S/L UNIT COMM

Connector No.	M123
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH4GFB-NH



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111
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Terminal No.	Color of Wire	Signal Name [Specification]
113	P	OPTICAL SENSOR
116	SB	STOP LAMP SW 1
118	P	STOP LAMP SW 2
119	SR	DR DOOR UNLOCK SENSOR
121	BR	KEY/SLOT SW
123	W	IGN F/B
124	LG	PASSENGER DOOR SW
132	BR	POWER WINDOW SW COMM
133	W	PUSH-BUTTON IGNITION SW I/L POWER
134	GR	LOCK IND
137	BG	RECEIVER/SENSOR GND
138	Y	RECEIVER/SENSOR POWER SUPPLY
139	L	TIRE PRESSURE RECEIVER COMM
140	GR	SHIFT N/P
141	G	SECURITY INDICATOR OUTPUT
142	BG	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	LG	DRIVER DOOR SW
151	G	REAR WINDOW DEFROGGER RELAY CONT

Connector No.	M124
Connector Name	WIRE TO WIRE
Connector Type	TH40MW-GS15



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111
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Terminal No.	Color of Wire	Signal Name [Specification]
1	R	

Terminal No.	Color of Wire	Signal Name [Specification]
7	Y	
8	LG	
9	Y	
12	L	
13	V	
14	B	
15	W	
16	BR	
17	B	
18	R	
19	B	
20	W	
21	G	
21	L	
22	SB	
23	GR	
24	G	
24	G	
25	R	
28	R	
28	SHIELD	
30	W	
31	LG	
32	G	
33	BR	
34	V	
35	G	
43	L	
44	Y	
45	R	
48	W	
52	R	
53	G	
54	W	
55	BG	

Connector No.	M124
Connector Name	WIRE TO WIRE
Connector Type	TH24MW-NH



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

Terminal No.	Color of Wire	Signal Name [Specification]
2	R	
2	BR	
3	B	
3	R	
6	V	
7	B	
8	B	
9	B	
13	W	
14	W	
15	Y	
16	P	
17	B	
18	L	
19	Y	
20	L	

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



21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111
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Terminal No.	Color of Wire	Signal Name [Specification]
1	R	
2	B	IGN
2	B	GND
3	Y	DRY (+)
4	Y	DRI (-) DR2 (-)
5	Y	ASI (-)
6	Y	ASI (-)
11	SS	EZS (+)
12	V	EZS (-)
15	BR	AIR BAG W/L
16	SHIELD	GND
18	R	CUTOFF TELLTALE
21	L	CAN-H
24	G	SEAT BELT
45	Y	DR2 (+)
46	P	CAN-L
47	Y	ASZ (+)
48	Y	ASZ (-)
49	L	ODS INPUT

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

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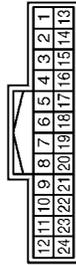
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

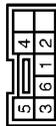
IGNITION POWER SUPPLY

Connector No.	M170
Connector Name	WIRE TO WIRE
Connector Type	TK2AFV-NH



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

Connector No.	M170
Connector Name	SNOW MODE SWITCH
Connector Type	TK0BFV



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

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

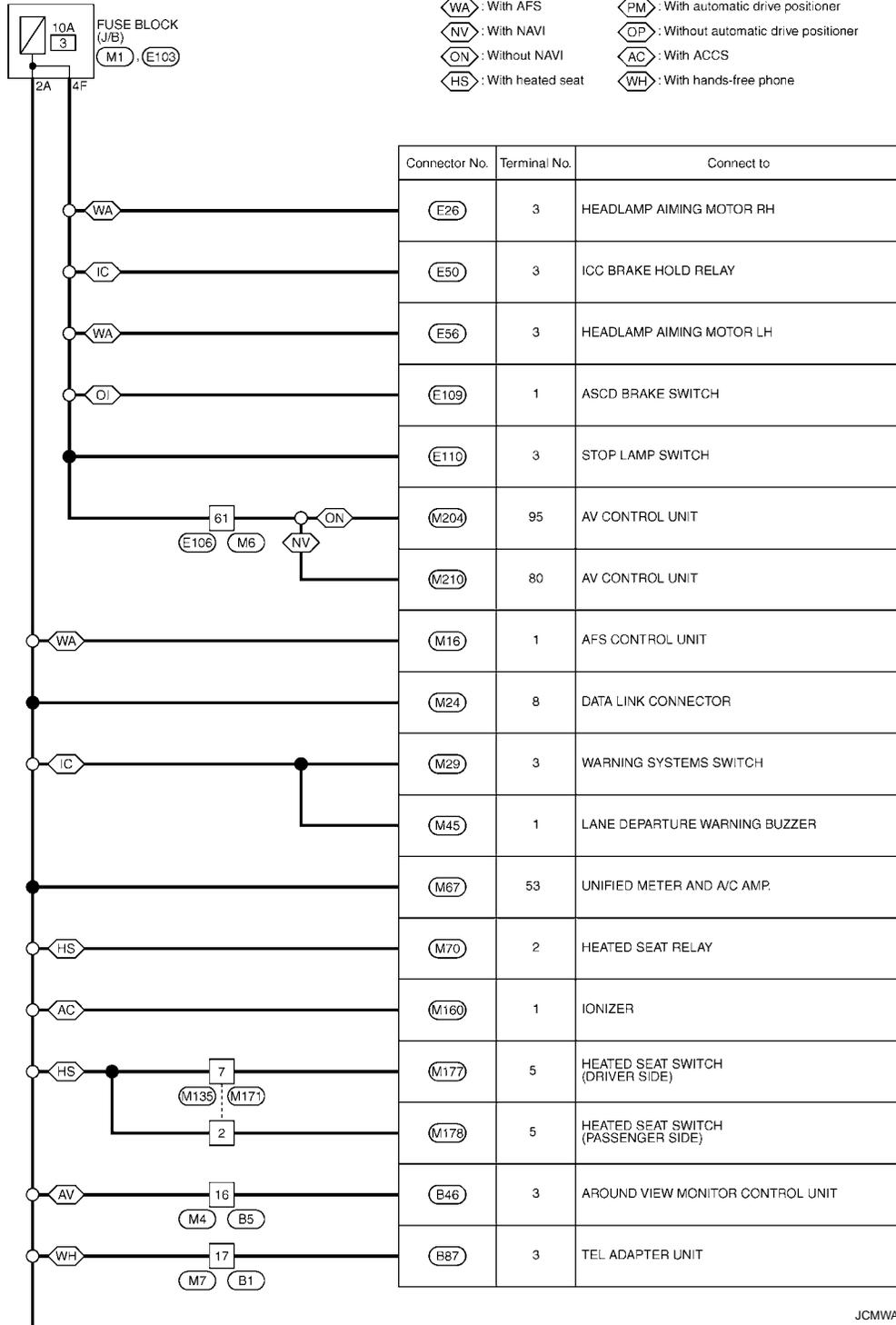
[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 3 -

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IGNITION POWER SUPPLY FUSE No. 3

- : With ICC
- : Without ICC
- : With AFS
- : With NAVI
- : Without NAVI
- : With heated seat
- : With around view monitor
- : With auto anti-dazzling inside mirror
- : With automatic drive positioner
- : Without automatic drive positioner
- : With ACCS
- : With hands-free phone



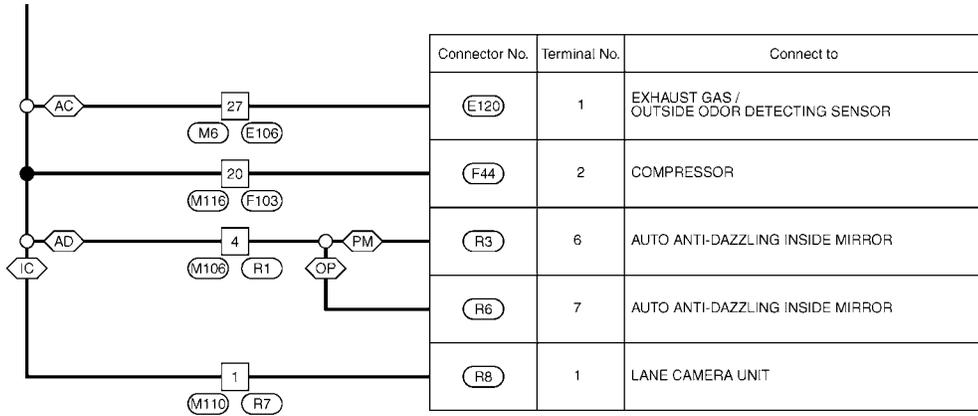
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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]



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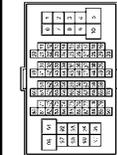
POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

IGNITION POWER SUPPLY FUSE No. 3

Connector No.	B1
Connector Name	WIRE TO WIRE
Connector Type	TH80PW-C316-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
3	R	-
5	G	-
6	SB	-
7	Y	-
8	L	-
12	SB	-
13	LG	-
14	GR	-
15	LG	-
17	W	-
18	SB	-
19	LG	-
20	BR	-
21	SHIELD	-
22	Y	-
24	P	-
27	B	-
28	R	-
29	W	-
30	SHIELD	-
31	SHIELD	-
32	W	-
33	SB	-
34	L	-
35	P	-
36	L	-
37	P	-
38	BR	-
39	Y	-
44	Y	-
45	GR	-
46	LG	-
47	SB	-
49	G	-
50	V	-
60	P	-
61	L	-
62	SHIELD	-

Terminal No.	Color of Wire	Signal Name [Specification]
63	R	-
64	G	-
65	SHIELD	-
66	W	-
67	Y	-
68	SB	-
69	SHIELD	-
70	W	-
73	SB	-
74	L	-
75	W	-
76	BR	-
77	R	-
78	P	-
79	GR	-
83	BG	-
85	V	-
86	LG	-
87	Y	-
88	R	-
89	B	-
90	BG	-
91	G	-
92	BR	-
93	G	-
94	SB	-
95	G	-
96	Y	-
98	W	-
99	GR	-

Connector No.	B5
Connector Name	WIRE TO WIRE
Connector Type	TH32MPV-NH



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

Terminal No.	Color of Wire	Signal Name [Specification]
7	LG	-
8	B	-
9	V	-
10	SB	-
11	GR	-
12	W	-
13	SHIELD	-
14	SB	-
15	GR	-
16	P	-
21	G	-
22	B	-
23	SHIELD	-
24	BG	-
25	BR	-
26	Y	-
27	W	-
28	R	-
29	L	-
30	SHIELD	-
31	Y	-

Connector No.	B46
Connector Name	AROUND VIEW MONITOR CONTROL UNIT
Connector Type	TH40FV-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	GND
2	Y	BATTERY
3	P	IGNITION SIGNAL
4	GR	ACC
5	BG	ILLUMINATION SIGNAL
6	SB	VEHICLE SPEED SIGNAL (3-PULSE)
7	V	REVERSE SIGNAL
9	V	CONTROL SIGNAL
13	B	CONTROL SIGNAL
17	SB	AV COMM (H)
18	LG	AV COMM (L)
21	SB	AV COMM (H)
22	LG	AV COMM (L)
23	LG	AUXILIARY (INFARED) LED (+)
24	G	AUXILIARY (INFARED) LED (-)

Terminal No.	Color of Wire	Signal Name [Specification]
27	W	CAMERA IMAGE SIGNAL
28	SHIELD	CAMERA IMAGE SIGNAL GND
29	Y	SIDE CAMERA RH IMAGE SIGNAL
30	G	SIDE CAMERA RH IMAGE GND
31	SHIELD	SHIELD
32	B	SIDE CAMERA RH GND
33	W	SIDE CAMERA RH COMM
34	R	SIDE CAMERA RH POWER SUPPLY
35	L	REAR CAMERA COMM
36	BR	REAR CAMERA POWER SUPPLY
37	SHIELD	SHIELD
38	R	REAR CAMERA GND
39	Y	REAR CAMERA IMAGE SIGNAL
40	W	REAR CAMERA IMAGE GND

Connector No.	B87
Connector Name	TEL ADAPTER UNIT
Connector Type	TH32FW-NH



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

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

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY FUSE No. 3

Connector No.	E26
Connector Name	HEADLAMP AIMING MOTOR RH
Connector Type	HS03FGY



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

Connector No.	E50
Connector Name	ICC BRAKE HOLD RELAY
Connector Type	M08FGY-R-US



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

Connector No.	E66
Connector Name	HEADLAMP AIMING MOTOR LH
Connector Type	HS03FGY



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

Connector No.	E103
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS10FN-CS



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

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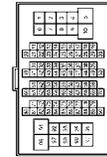
POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

IGNITION POWER SUPPLY FUSE No. 3

Connector No.	E105
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-C316-TM4



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

49	L	
50	P	
51	L	
52	L	
53	P	
54	EG	
56	BR	
57	BR	
59	W	
60	LG	
61	G	
62	SB	
63	W	
64	B	
65	G	
66	R	
67	SHIELD	
68	Y	
68	LG	
70	W	
71	R	
72	Y	
73	B	
74	BR	
74	L	
75	G	
75	W	
76	W	
76	Y	
77	R	
77	P	
78	L	
78	BR	
78	Y	
79	L	
80	SB	
81	R	
82	SB	
83	EG	
84	G	
85	L	
86	P	
87	V	
88	GR	
90	SHIELD	
91	W	
92	Y	
93	V	
94	LG	
95	EG	
96	P	
97	R	

98	SHIELD
99	L
100	P

Connector No.	E109
Connector Name	ASCD BRAKE SWITCH
Connector Type	M02FER-LC



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

Connector No.	E110
Connector Name	STOP LAMP SWITCH
Connector Type	M04FY-LC



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

Connector No.	E120
Connector Name	EXHAUST GAS / OUTSIDE DOOR DETECTING SENSOR
Connector Type	RM03FB



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

Connector No.	F44
Connector Name	COMPRESSOR
Connector Type	RM02FGY



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

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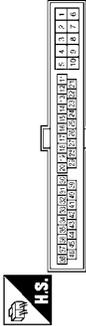
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

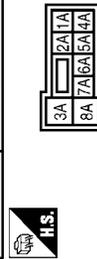
IGNITION POWER SUPPLY FUSE No. 3

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



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

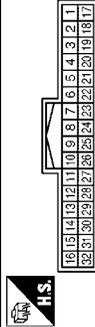
Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS08FW-M2



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

3A	G	-
4A	L	-
5A	P	-
6A	Y	-
7A	R	-
8A	L	-

Connector No.	M4
Connector Name	WIRE TO WIRE
Connector Type	TH3ZFW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
2	SB	-
3	Y	-
4	R	-
5	W	-
6	G	-
7	LG	-
8	B	-
9	V	-
10	B	-
11	W	-
12	W	-
13	SHIELD	-
14	V	-
15	Y	-
16	W	-
21	G	-
22	B	-
23	SHIELD	-
24	R	-
25	R	-
26	Y	-
27	G	-
28	B	-
29	W	-
30	SHIELD	-
31	Y	-

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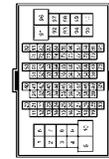
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY FUSE No. 3

Connector No.	M16
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS 6-TM4

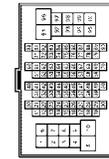


Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	R	-
3	B	-
4	SHIELD	-
5	G	-
6	Y	-
8	BR	-
9	GR	-
10	R	-
11	BR	-
12	BG	-
13	L	-
14	R	-
15	P	-
16	V	-
17	SB	-
18	V	-
20	BG	-
21	L	-
22	W	-
23	P	-
24	BR	-
26	Y	-
28	G	-
31	L	-
32	G	-
33	B	-
34	W	-
35	R	-
36	SHIELD	-
37	V	-
38	BG	-
39	BR	-
41	W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

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

99	V	-
100	SB	-

Connector No.	M7
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS 18-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
3	SB	- [With automatic drive positioner]
3	W	- [Without automatic drive positioner]
5	G	-
5	BG	-
7	W	-
8	B	-
12	SB	-
13	LG	-
14	Y	-
15	G	-
17	W	-
18	SB	-
19	LG	-
20	BR	-
21	SHIELD	-
22	Y	-
24	V	-
27	B	-
28	W	-
29	R	-
30	SHIELD	-
31	L	-
32	P	-
33	SB	-
34	L	-
35	P	-
38	L	-
37	P	-
38	BR	-
39	Y	-
44	L	-
45	GR	-
46	LG	-
47	SB	-

49	V	-
50	P	-
60	P	-
61	L	-
62	SHIELD	-
63	R	-
64	G	-
65	SHIELD	-
66	SS	-
67	V	-
68	LG	-
69	SHIELD	-
70	W	-
73	G	-
74	R	-
75	W	-
76	W	-
77	B	-
78	P	-
79	GR	-
83	BG	-
85	LG	-
85	R	-
87	Y	-
88	W	-
89	BR	-
90	BG	-
91	G	-
92	V	-
93	BR	-
94	V	-
95	G	-
96	Y	-
98	W	-
99	R	-

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POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

IGNITION POWER SUPPLY FUSE No. 3

Connector No.	M16
Connector Name	AFS CONTROL UNIT
Connector Type	TH40FY-NH



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

Terminal No.	Color of Wire	Signal Name [Specification]
1	W	IGN
2	LG	PSG-R
4	Y	PSV-R
6	W	HSV-R
7	P	CAN-L
8	B	HSC-R
9	GR	FS-R
11	R	SMR-1 (-)
13	B	SMR-2 (-)
15	G	SML-1 (-)
17	W	SML-2 (-)
19	SB	AMDS-R
24	V	PSV-L
25	B	GND
27	BR	PSG-L
28	BG	HS-R
29	BG	PS-L
30	L	CAN-H
32	G	SMR-2 (+)
34	W	SMR-1 (+)
36	R	SML-2 (+)
38	B	SML-1 (+)
40	L	AMDS-L

Connector No.	M24
Connector Name	DATA LINK CONNECTOR
Connector Type	ED16FW

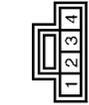


Connector No.	M29
Connector Name	WARNING SYSTEMS SWITCH
Connector Type	TK08FGY



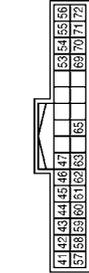
Terminal No.	Color of Wire	Signal Name [Specification]
2	SE	
3	W	
4	B	
5	R	
6	B	
7	V	

Connector No.	M45
Connector Name	LANE DEPARTURE WARNING BUZZER
Connector Type	MS08FR-CS



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

Connector No.	M67
Connector Name	UNIFIED METER AND A/C AMP
Connector Type	TH22FY-NH



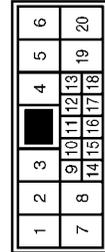
Terminal No.	Color of Wire	Signal Name [Specification]
41	V	ACC POWER SUPPLY
42	Y	FUEL LEVEL SENSOR SIGNAL
43	R	INTAKE SENSOR SIGNAL
44	LG	IN-VEHICLE SENSOR SIGNAL
45	P	AMBIENT SENSOR SIGNAL
46	BG	SUNLOAD SENSOR SIGNAL
47	G	ENGINE OIL PRESSURE SENSOR SIGNAL
51	G	IGNITION POWER SUPPLY
54	Y	BATTERY POWER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

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



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

Connector No.	M108
Connector Name	WIRE TO WIRE
Connector Type	NH10MY-CS10



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	
2	SHIELD	
3	L	
4	W	
5	Y	
7	BR	
8	Y	
9	B	
10	R	
11	V	
12	R	
13	LG	
14	R	- [With NAVI]
14	Y	- [Without NAVI]
15	SHIELD	
16	G	- [With NAVI]
16	BR	- [Without NAVI]
18	B	

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

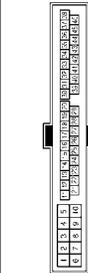
IGNITION POWER SUPPLY FUSE No. 3

Connector No.	MI10
Connector Name	WIRE TO WIRE
Connector Type	TH16MW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	R	-
3	P	-
8	V	-
10	L	-
11	SB	-

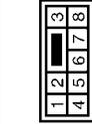
Connector No.	MI16
Connector Name	WIRE TO WIRE
Connector Type	TK36MW-NS10



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

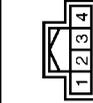
38	G	-
43	P	-
44	L	-
45	BR	-
46	BG	-

Connector No.	MI25
Connector Name	WIRE TO WIRE
Connector Type	INS08MR-CS



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

Connector No.	MI60
Connector Name	IONIZER
Connector Type	TH40FW-NH



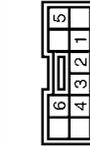
Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	IGN
2	R	-
3	B	GND
4	L	ION ON/OFF

Connector No.	MI71
Connector Name	WIRE TO WIRE
Connector Type	INS08FBR-CS



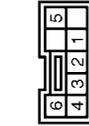
Terminal No.	Color of Wire	Signal Name [Specification]
1	SB	-
2	W	-
3	GR	-
4	GR	-
5	W	-
8	B	-
7	W	-
8	L	-

Connector No.	MI77
Connector Name	HEATED SEAT SWITCH (DRIVER SIDE)
Connector Type	TK10FW



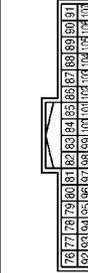
Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
2	L	-
3	R	-
4	W	-
5	W	-
6	B	-

Connector No.	MI78
Connector Name	HEATED SEAT SWITCH (PASSENGER SIDE)
Connector Type	TK08FBR



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

Connector No.	MI94
Connector Name	AV CONTROL UNIT
Connector Type	TH32FW-NH



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

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY FUSE No. 3

Connector No.	M210
Connector Name	AV CONTROL UNIT
Connector Type	TH12FW-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
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Terminal No.	Color of Wire	Signal Name [Specification]
65	V	PARKING BRAKE SIGNAL
67	G	COMPOSITE IMAGE SIGNAL GND
68	R	COMPOSITE IMAGE SIGNAL
71	SHIELD	MICROPHONE SHIELD
72	R	MICROPHONE VCC
73	B	COMM (CONT->DISP)
74	B	CAN-L
75	LG	AV COMM (L)
76	LG	AV COMM (L)
79	R	ILLUMINATION
80	G	IGNITION SIGNAL
81	BG	REVERSE SIGNAL
82	R	VEHICLE SPEED SIGNAL (3-PULSE)
83	SHIELD	SHIELD
87	G	MICROPHONE SIGNAL
88	SHIELD	SHIELD
89	G	COMM (DISP->CONT)
90	L	CAN-H
91	SB	AV COMM (H)
92	SB	AV COMM (H)

Connector No.	R1
Connector Name	WIRE TO WIRE
Connector Type	NH10FW-CS10



6	5	4	3	2	1			
20	19	18	17	16	15	14	8	7

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

Terminal No.	Color of Wire	Signal Name [Specification]
3	L	
4	BR	- [With automatic drive positioner] - [Without automatic drive positioner]
5	G	
7	BR	
8	Y	
9	B	
10	Y	
11	V	
12	BR	
13	R	
14	W	
15	SHIELD	
16	B	
18	B	

Connector No.	R3
Connector Name	AUTO ANTI-FAZZLING INSIDE MIRROR
Connector Type	TH10FW-NH



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

Connector No.	R6
Connector Name	AUTO ANTI-FAZZLING INSIDE MIRROR
Connector Type	JAA07FB



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

Connector No.	R7
Connector Name	WIRE TO WIRE
Connector Type	TH18FW-NH



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

Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	
2	R	
3	P	
9	V	
10	L	
11	SB	

Connector No.	R8
Connector Name	LANE CAMERA UNIT
Connector Type	TH12FW-NH



6	5	4	3	1
12	10	9		

Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	IGNITION
3	R	BUZZER OUTPUT
4	SB	FSW/LDW ON IND.
5	P	CAN-L
8	B	GND
9	V	FOR/LDW SW
10	L	CAN-H
12	B	GND

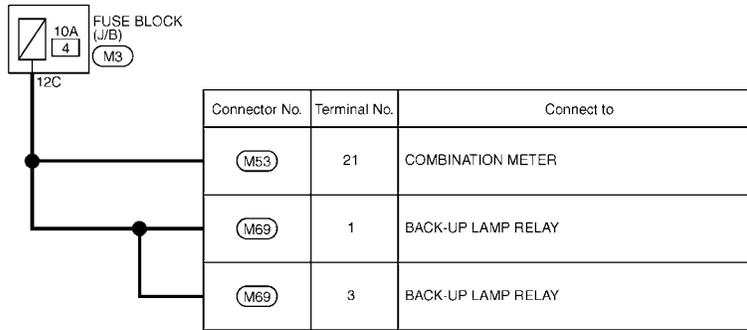
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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

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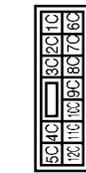
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY FUSE No. 4

Connector No.	M63
Connector Name	FUSE BLOCK (J/B)
Connector Type	MS12PW-GS



Terminal No.	Color of Wire	Signal Name [Specification]
6C	R	-
7C	B	-
9C	BG	-
10C	L	-
11C	R	-
12C	BG	-

Connector No.	M53
Connector Name	COMBINATION METER
Connector Type	TH0PW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	BATTERY POWER SUPPLY
2	LG	COMMUNICATION SIGNAL (METER->AMP.)
3	GR	COMMUNICATION SIGNAL (AMP->METER)
5	B	GROUND
8	P	ALTERNATOR SIGNAL
7	BR	AIR BAG SIGNAL
10	G	SECURITY SIGNAL
15	B	GROUND
16	B	METER CONTROL SWITCH: GROUND
19	B	ILL. GND
20	R	ILL.
21	BG	IGNITION POWER SUPPLY
22	B	GROUND
24	BR	COMMUNICATION SIGNAL (LCD->AMP.)
25	Y	COMMUNICATION SIGNAL (AMP->LCD)
26	R	VEHICLE SPEED SIGNAL (8-PULSE)

27	V	PARKING BRAKE SWITCH SIGNAL
28	W	BRAKE FLUID LEVEL SWITCH SIGNAL
29	SB	SEAT BELT BUCKLE SWITCH SIGNAL (DRIVER SIDE)
30	G	SEAT BELT BUCKLE SWITCH SIGNAL (PASSENGER SIDE)
31	L	WASHER LEVEL SWITCH SIGNAL
33	B	ILLUMINATION CONTROL
36	LG	SELECT SWITCH SIGNAL
37	SB	ENTER SWITCH SIGNAL
38	L	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-M2-LC



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

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POWER SUPPLY ROUTING CIRCUIT

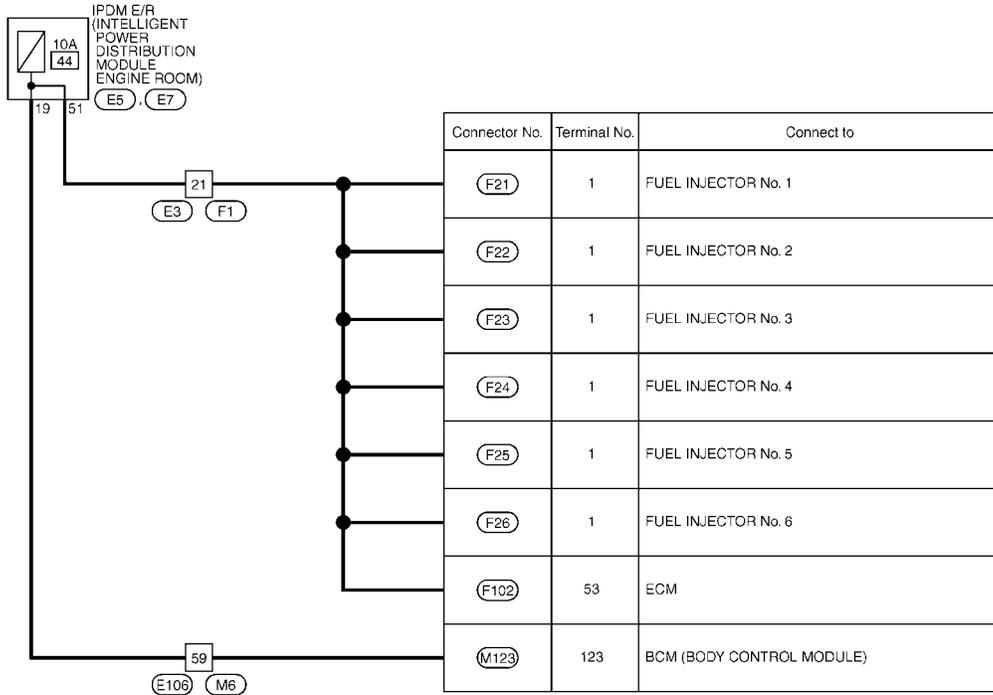
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 44 -

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IGNITION POWER SUPPLY FUSE No. 44



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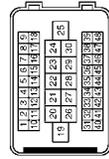
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

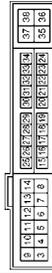
IGNITION POWER SUPPLY FUSE No. 44

Connector No.	E3
Connector Name	WIRE TO WIRE
Connector Type	SA33MB-FS10-SJZZ



Terminal No.	Color of Wire	Signal Name [Specification]
19	W	-
20	GR	-
21	Y	-
22	G	-
23	W	-
24	SB	-
25	R	-
26	P	-
27	L	-
28	LG	-
29	L	-
30	LG	-
31	LG	-
32	R	-
33	P	-
34	W	-
35	SB	-
40	BG	-
41	G	-
42	Y	-
43	BR	-
44	BG	-

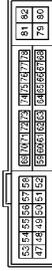
Connector No.	E5
Connector Name	IGNITION RELAY UNIT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	TH20FW-CS12-MM-IV



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

7	R	-
11	BR	-
12	BY	-
13	Y	-
16	LG	-
18	W	-
19	W	-
25	G	-
26	R	-
27	BG	-
28	L	-
30	GR	-
32	L	-
33	P	-
36	G	-

Connector No.	E7
Connector Name	ENGINE ROOM RELAY UNIT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	TH20FW-CS12-MM



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

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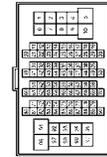
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY FUSE No. 44

Connector No.	E105
Connector Name	WIRE TO WIRE
Connector Type	TH80PW-C316-TM4

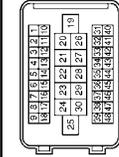


Terminal No.	Color of Wire	Signal Name [Specification]
1	R	
2	W	
3	B	
4	GR	
5	GR	
6	Y	
8	BR	
10	BG	
11	SB	
12	BG	
13	L	
14	R	
15	P	
16	V	
17	SB	
18	V	
20	BG	
21	L	
22	V	
23	G	
24	P	
25	Y	
26	V	
27	W	
28	G	
31	BG	
32	W	
33	B	
34	R	
35	G	
36	SHIELD	
37	V	
38	BR	
39	BG	
41	W	
42	G	
43	BR	
45	W	

49	L	
50	P	
51	L	
52	L	
53	P	
54	BG	
56	BR	
57	BR	
59	W	
60	LG	
61	G	
62	SB	
63	W	
64	B	
65	G	
66	R	
67	SHIELD	
68	Y	
68	LG	
70	W	
71	R	
72	Y	
73	B	
74	BR	
74	L	
75	G	
75	W	
76	W	
76	Y	
77	R	
77	P	
78	L	
78	BR	
79	Y	
79	L	
80	SB	
81	R	
82	SB	
83	BG	
84	G	
85	L	
86	P	
87	V	
88	GR	
90	SHIELD	
91	W	
92	Y	
93	V	
94	LG	
95	BG	
96	P	
97	R	

98	SHIELD	
99	L	
100	P	

Connector No.	F1
Connector Name	WIRE TO WIRE
Connector Type	SAAJ38FB-RS10-SJ22



Terminal No.	Color of Wire	Signal Name [Specification]
18	W	
20	GR	
21	P	
22	G	
23	W	
25	P	
25	BR	
28	R	
29	L	
30	Y	
31	V	
32	LG	
33	GR	
34	G	
35	Y	
40	BG	
41	SB	
42	P	
43	BR	
44	BG	

Connector No.	F21
Connector Name	FUEL INJECTOR No. 1
Connector Type	HS2ZFGY



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

Connector No.	F22
Connector Name	FUEL INJECTOR No. 2
Connector Type	HS2ZFGY



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

Connector No.	F23
Connector Name	FUEL INJECTOR No. 3
Connector Type	HS2ZFGY



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

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY FUSE No. 44

Connector No.	F24
Connector Name	FUEL INJECTOR No. 4
Connector Type	HS22FGY



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



Connector No.	F25
Connector Name	FUEL INJECTOR No. 5
Connector Type	HS22FGY

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

Connector No.	F26
Connector Name	FUEL INJECTOR No. 6
Connector Type	HS22FGY



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

Connector No.	F102
Connector Name	ECM
Connector Type	RH4PFR-R28 L-LH-Z



96	92	88	84	80	76	72	68	64	60	52
95	91	87	83	79	71	67	63	59		
94	90	86	82	78		66	62	58	50	
93	89	85	81	77	73	69	65	61	57	49

Terminal No.	Color of Wire	Signal Name [Specification]
49	L	MOTOR 2-2
50	V	MOTOR 2-1
52	R	VMOT2
53	P	IGNSW
57	L	AF#1
58	GR	E-PHASE#1
59	BG	PHASE#1
60	R	AVCC-PHASE#1
61	R	AF-1
62	G	E-PHASE#2
63	SB	PHASE#2
64	W	AVCC-PHASE#2
65	V	AF-2
66	LG	AF-2
67	P	TA1
68	LG	GND4 GA-TA
69	W	KNK2
71	Y	TW
72	SHIELD	GND-A
73	W	KNK1
76	W	O2SR1
77	SB	OA1-1
78	G	TCU1
79	GR	OA-2
80	BG	O2SR2
81	R	INJ#3
82	V	INJ#6
83	G	TA-2
84	B	GND4 O2-TW-TO
85	BR	INJ#2
86	W	INJ#5
87	Y	PSPRES
88	LG	GND-A
89	GR	INJ#1
90	BG	INJ#4
91	SB	CLUSEN
92	P	GND-PHASE#2
93	P	BATT

94	LG	GND-PSPRES
95	G	GND4-CLUSEN
96	B	GND-A

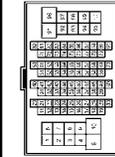
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY FUSE No. 44

Connector No.	M16
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS 6-TM4



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

49	L	-
50	P	-
51	BR	-
52	L	-
53	P	-
54	Y	-
56	BR	-
57	G	-
59	W	-
60	L	-
61	G	-
62	SB	-
63	G	-
64	B	-
65	W	-
66	R	-
67	SHIELD	-
68	Y	-
68	GR	-
70	LG	-
71	LG	-
72	Y	-
73	SB	-
74	BR	-
74	L	- [With ICC]
74	L	- [Without ICC]
75	G	-
76	W	- [With ICC]
76	GR	- [Without ICC]
77	R	- [With ICC]
77	P	- [Without ICC]
78	L	- [With ICC]
78	R	- [Without ICC]
79	Y	- [With ICC]
79	W	- [Without ICC]
80	SB	-
81	SB	-
82	SB	-
83	V	-
84	G	-
85	L	-
86	P	-
87	W	-
89	GR	-
90	SHIELD	-
91	W	-
92	Y	-
93	BR	-
94	P	-
95	GR	-
96	W	-
97	L	-
98	SHIELD	-

99	V	-
100	SB	-

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



Terminal No.	Color of Wire	Signal Name [Specification]
113	P	OPTICAL SENSOR
116	SB	STOP LAMP SW 1
116	P	STOP LAMP SW 2
119	SB	DR DOOR UNLOCK SENSOR
121	BR	KEY SLOT SW
123	W	IGN P/B
124	LG	PASSENGER DOOR SW
132	BR	POWER WINDOW SW COMM
133	W	PUSH-BUTTON IGNITION SW LL POWER
134	GR	LOCK IND
137	BG	RECEIVER/SENSOR POWER SUPPLY
138	Y	RECEIVER/SENSOR POWER SUPPLY
139	L	TIRE PRESSURE RECEIVER COMM
140	GR	SHIFT N/P
141	G	SECURITY INDICATOR OUTPUT
142	BG	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	LG	DRIVER DOOR SW
151	G	REAR WINDOW DEFOGGER RELAY CONT

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POWER SUPPLY ROUTING CIRCUIT

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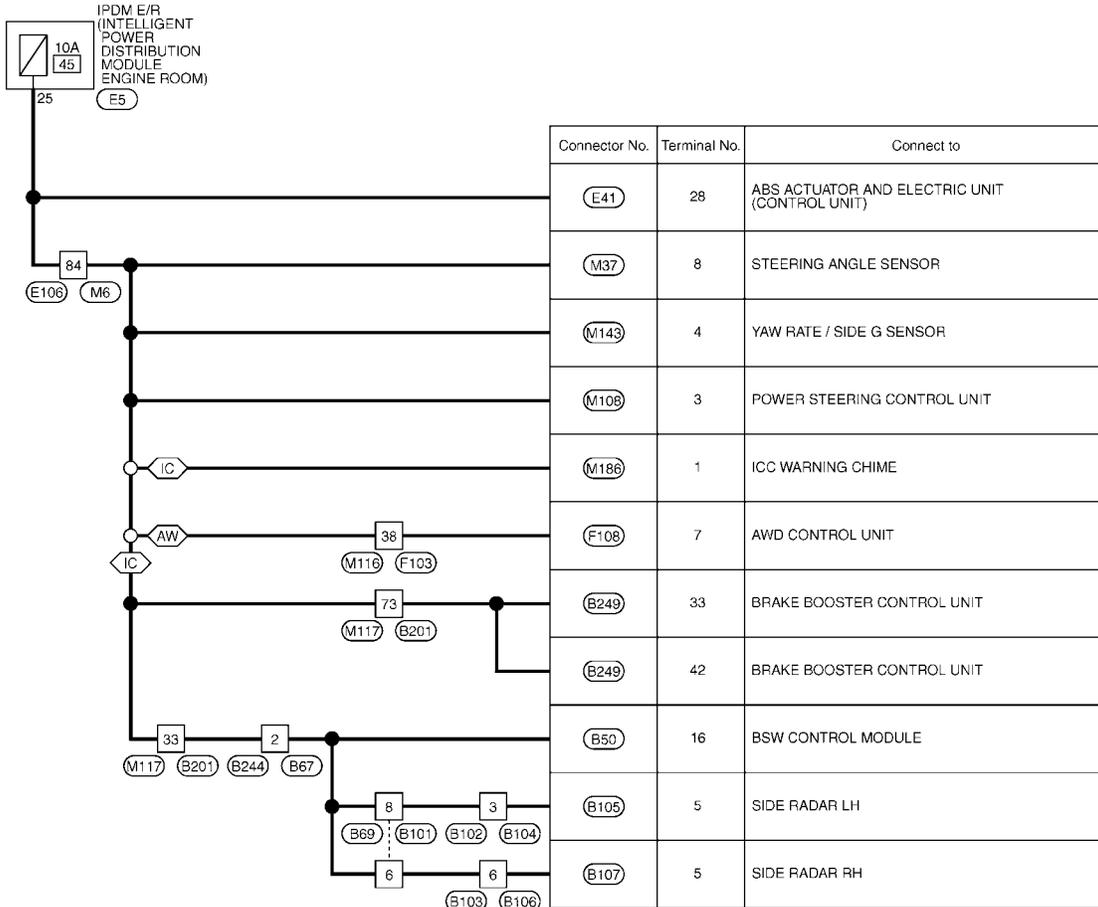
[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 45 -

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IGNITION POWER SUPPLY FUSE No. 45

AW : AWD models
 IC : With ICC



2010/09/21

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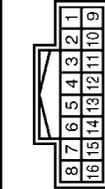
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY FUSE No. 45

Connector No.	B60
Connector Name	BSW CONTROL MODULE
Connector Type	TH16PV-NH



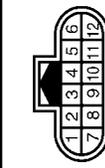
Terminal No.	Color of Wire	Signal Name [Specification]
6	B	GND
7	L	BSW COMM-H
8	Y	BSW COMM-L
14	L	CAN-H
15	P	CAN-L
16	G	IGNITION

Connector No.	B67
Connector Name	WIRE TO WIRE
Connector Type	TH04FV-NH



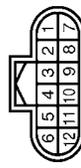
Terminal No.	Color of Wire	Signal Name [Specification]
2	G	-
3	R	-
4	BR	-

Connector No.	E69
Connector Name	WIRE TO WIRE
Connector Type	RH12MB



Terminal No.	Color of Wire	Signal Name [Specification]
2	L	-
3	Y	-
4	R	-
5	B	-
6	G	-
7	B	-
8	G	-
10	BR	-
11	Y	-
12	L	-

Connector No.	B101
Connector Name	WIRE TO WIRE
Connector Type	RH12PE



Terminal No.	Color of Wire	Signal Name [Specification]
2	L	-
3	Y	-
4	R	-
5	B	-
6	G	-
7	B	-
8	G	-
10	BR	-
11	Y	-
12	L	-

Connector No.	B102
Connector Name	WIRE TO WIRE
Connector Type	RS08FB-PR



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

Connector No.	B103
Connector Name	WIRE TO WIRE
Connector Type	RS08FB-PR



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

Connector No.	B104
Connector Name	WIRE TO WIRE
Connector Type	RS08MB



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

Connector No.	B106
Connector Name	SIDE RADAR LH
Connector Type	AA08FB-WP-5P



Terminal No.	Color of Wire	Signal Name [Specification]
2	B	GND
3	Y	BSW COMM-L
4	L	BSW COMM-H
5	G	IGNITION
6	R	BSW INDICATOR

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POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

IGNITION POWER SUPPLY FUSE No. 45

Connector No.	B105
Connector Name	WIRE TO WIRE
Connector Type	RS08MB



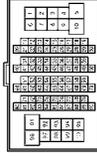
Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	L	-
3	B	-
4	BR	-
5	G	-
6	G	-

Connector No.	B107
Connector Name	SIDE RADAR RH
Connector Type	AAC0BF-WP-SP



Terminal No.	Color of Wire	Signal Name [Specification]
2	B	GND
3	Y	BSW COMM-L
4	L	BSW COMM-H
5	G	IGNITION
6	BR	BSW INDICATOR

Connector No.	B201
Connector Name	WIRE TO WIRE
Connector Type	TH8CFW-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	R	-
3	GR	-
4	BG	-
7	LG	-
10	W	-
15	SB	-
16	V	-
17	BR	-
26	BR	-
27	L	-
28	Y	-
29	Y	-
30	GR	-
31	R	-
32	BR	-
33	G	-
51	R	-
52	V	-
55	G	-
56	R	-
57	W	-
58	B	-
59	SHIELD	-
60	LG	-
61	W	-
62	BR	-
63	P	-
64	L	-
65	G	-
66	P	-
67	L	-
68	SHIELD	-
69	V	-
70	Y	-
71	SB	-
72	W	-
73	BR	-

Terminal No.	Color of Wire	Signal Name [Specification]
75	V	-
80	V	-
81	SB	-
82	LG	-
83	P	-
84	R	-
85	L	-
86	BG	-
87	L	-
88	P	-
91	V	-
92	R	-
94	R	-
95	SB	-
96	G	-
97	G	-
98	R	-
99	P	-
100	L	-

Connector No.	B244
Connector Name	WIRE TO WIRE
Connector Type	TH6MW-RH



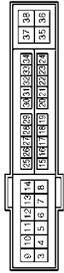
Terminal No.	Color of Wire	Signal Name [Specification]
2	G	-
3	R	-
4	BR	-

Connector No.	B249
Connector Name	BRAKE BOOSTER CONTROL UNIT
Connector Type	TK24FY



Terminal No.	Color of Wire	Signal Name [Specification]
33	BR	IGNITION
40	SB	EAC OFF SW
42	G	IGNITION
45	B	GND
47	V	BRAKE HOLD RLY DRIVE SIGNAL

Connector No.	E5
Connector Name	POWER INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	TH2DFW-CS12-M-1V



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

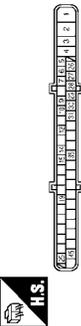
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

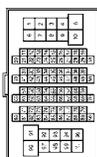
IGNITION POWER SUPPLY FUSE No. 45

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	G	UBMR
3	R	UBVR
4	B	GND
5	Y	DS FL
6	BG	DP RL
7	BR	DP RR
8	B	DP FR
9	B	DS FR
10	W	CAN-L
14	P	CAN-H
25	Y	BUS-L
26	LG	DP FL
27	GR	DS RL
28	G	UZ
29	LG	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	TH80FW-CS18-TM4

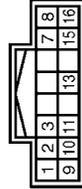


Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	W	-
3	B	-

4	GR	-
5	GR	-
8	Y	-
9	BR	-
10	BG	-
11	SB	-
12	BG	-
13	L	-
14	R	-
15	P	-
16	V	-
17	SB	-
18	V	-
20	BG	-
21	L	-
22	V	-
23	G	-
24	P	-
25	Y	-
26	V	-
27	W	-
28	G	-
31	BG	-
32	W	-
33	B	-
34	R	-
35	G	-
36	SHIELD	-
37	V	-
38	BR	-
39	BG	-
41	W	-
42	G	-
43	BR	-
45	W	-
46	L	-
50	P	-
51	L	-
52	L	-
53	P	-
54	BG	-
56	BR	-
57	BR	-
59	W	-
60	LG	-
61	G	-
62	SB	-
63	W	-
64	B	-
65	G	-
66	R	-
67	SHIELD	-

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

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



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

68	Y	-
69	LG	-
70	W	-
71	R	-
72	Y	-
73	B	-
74	BR	-
74	L	- [With ICC]
75	G	- [Without ICC]
75	W	- [With ICC]
76	W	- [Without ICC]
76	Y	- [With ICC]
77	R	- [Without ICC]
77	P	- [With ICC]
78	L	- [With ICC]
78	BR	- [Without ICC]
79	Y	- [With ICC]
79	L	- [Without ICC]
80	SB	-
81	R	-
82	SB	-
83	BG	-
84	G	-
85	L	-
86	P	-
87	V	-
89	GR	-
90	SHIELD	-
91	W	-
92	Y	-
93	V	-
94	LG	-
95	BG	-
96	P	-
97	R	-
98	SHIELD	-
99	L	-
100	P	-

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



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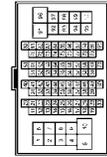
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY FUSE No. 45

Connector No.	M16
Connector Name	WIRE TO WIRE
Connector Type	TH30MVF-CS (F-TM)

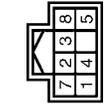


Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	R	-
3	B	-
4	SHIELD	-
5	G	-
6	Y	-
8	BR	-
10	R	-
11	BR	-
12	EG	-
13	L	-
14	R	-
15	P	-
16	V	-
17	SB	-
18	V	-
20	EG	-
21	L	-
22	W	-
23	P	-
24	BR	-
25	Y	-
26	V	-
27	G	-
28	G	-
31	L	-
32	G	-
33	B	-
34	W	-
35	R	-
36	SHIELD	-
37	V	-
38	EG	-
39	BR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

49	L	-
50	P	-
51	BR	-
52	BR	-
53	P	-
54	Y	-
56	BR	-
57	G	-
59	W	-
60	L	-
61	G	-
62	SB	-
63	G	-
64	B	-
65	W	-
66	R	-
67	SHIELD	-
68	Y	-
68	GR	-
70	LG	-
71	LG	-
72	Y	-
73	SB	-
74	BR	-
74	L	-
75	G	-
76	W	-
76	GR	-
77	R	-
77	P	-
78	L	-
78	R	-
79	Y	-
79	W	-
80	SB	-
81	SB	-
82	SB	-
83	Y	-
84	G	-
85	L	-
86	P	-
87	W	-
89	GR	-
90	SHIELD	-
91	W	-
92	Y	-
93	BR	-
94	P	-
95	GR	-
96	W	-
97	L	-
98	SHIELD	-

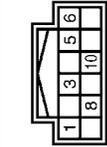
99	V	-
100	SB	-

Connector No.	M37
Connector Name	STEERING ANGLE SENSOR
Connector Type	TH108FW-NH



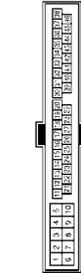
Terminal No.	Color of Wire	Signal Name [Specification]
1	L	CAN-H
2	P	CAN-L
3	B	GND
4	G	IGN

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



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	EPS SOL+
3	G	IGN
5	B	EPS SOL-
6	B	GND
8	L	VEHICLE SPEED(OP)
10	R	ENG TACHO

Connector No.	M116
Connector Name	WIRE TO WIRE
Connector Type	TK36MVF-NS10



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

POWER SUPPLY ROUTING CIRCUIT

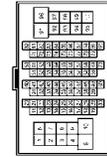
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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IGNITION POWER SUPPLY FUSE No. 45

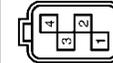
Connector No.	M117
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS 6-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	
2	G	
3	GR	
4	SB	
7	W	
10	W	
15	SB	
16	V	
17	BR	
26	BR	
27	LG	
28	Y	
29	Y	
30	V	
31	R	
32	BR	
33	G	
51	R	
52	L	
55	W	
56	B	
57	R	
58	G	
59	SHIELD	
60	V	
61	LG	
62	BR	
63	L	
64	LG	
65	B	
66	R	
67	W	
68	SHIELD	
69	V	
70	Y	
71	SB	
72	W	
73	G	

75	W	
80	V	
81	SB	
82	V	
83	P	
84	R	
85	L	
86	BG	
87	L	
88	P	
91	V	
92	G	
94	G	
95	W	
96	G	
97	Y	
98	BR	
99	V	
99	P	
100	SB	
100	L	

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



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

Connector No.	M186
Connector Name	ICC WARNING CHIME
Connector Type	A03FH



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

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POWER SUPPLY ROUTING CIRCUIT

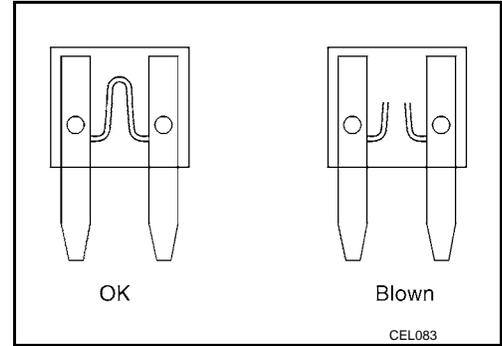
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[POWER SUPPLY & GROUND CIRCUIT]

Fuse

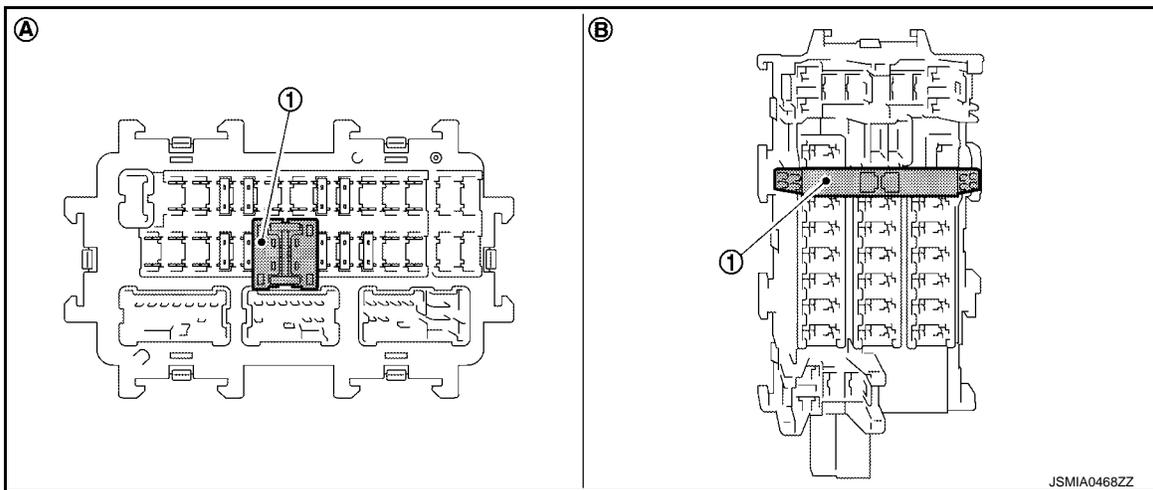
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- If fuse is blown, be sure to eliminate cause of malfunction before installing new fuse.
- Use fuse of specified rating. Never use fuse of more than specified rating.
- Do not partially install fuse; always insert it into fuse holder properly.
- Remove 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:

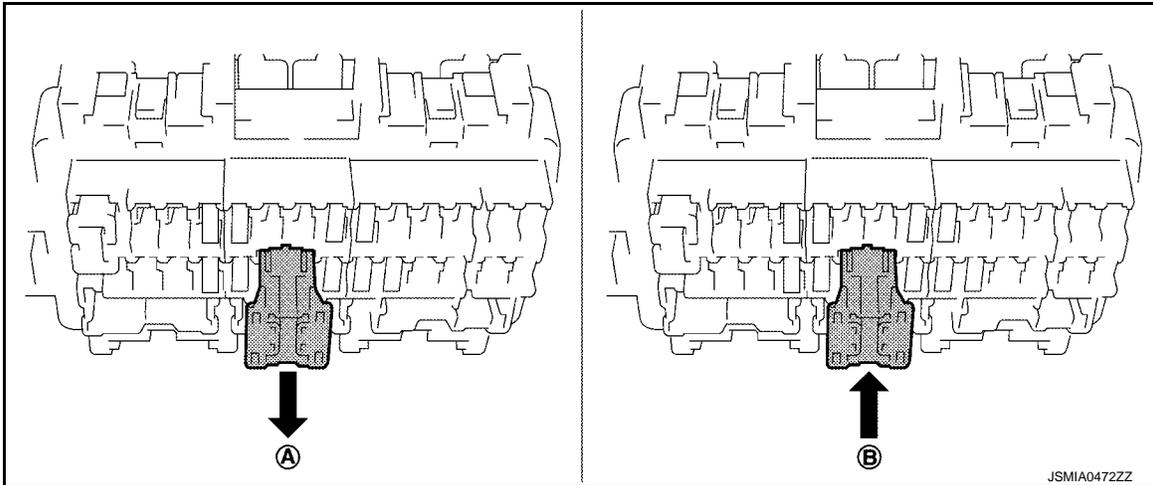
- Turn the ignition switch OFF when operating the extended storage switch.
- Under normal conditions, keep the extended storage switch in ON state. Never operate the extended storage switch except when necessary.

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

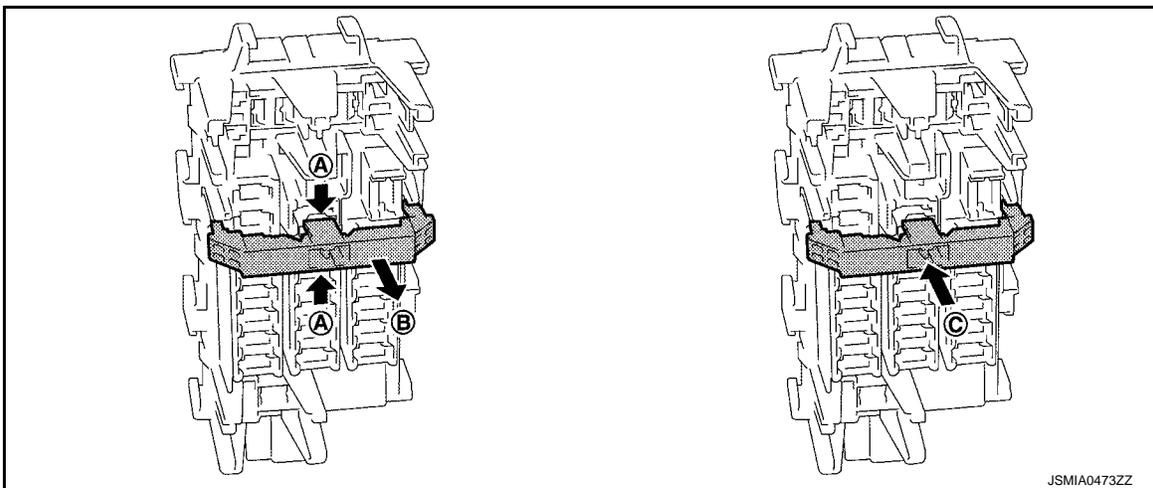
[POWER SUPPLY & GROUND CIRCUIT]

- 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

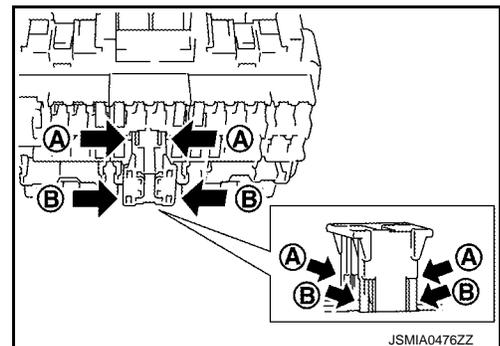


- To turn the extended storage switch OFF, hold (A) of the switch and pull up in (B) direction as shown in the figure.
- To turn the extended storage switch ON, press it in (C) direction as shown in the figure.

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

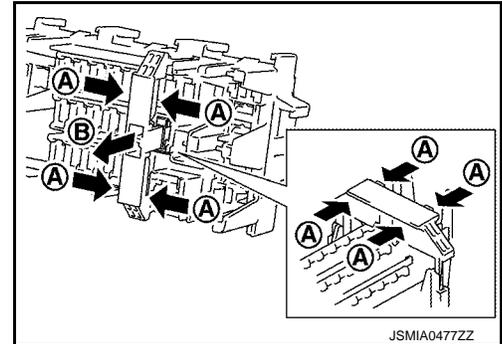
[POWER SUPPLY & GROUND CIRCUIT]

< 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

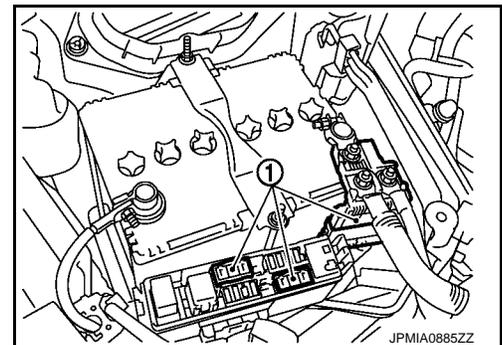
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A melted fusible link can be detected either by visual inspection or by feeling with finger tip. If its condition is questionable, use circuit tester or test lamp.

1 : Fusible link

CAUTION:

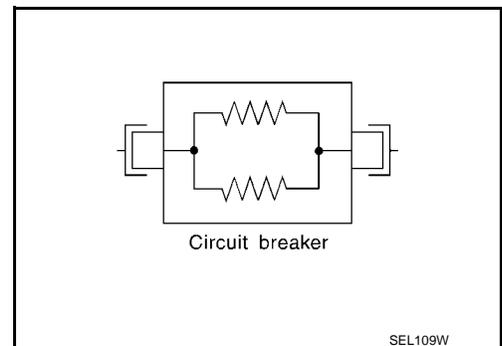
- If fusible link should melt, it is possible that critical circuit (power supply or large current carrying circuit) is shorted. In such a case, carefully check and eliminate cause of malfunction.
- Never wrap outside of fusible link with vinyl tape. Important: Never let fusible link touch any other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



Circuit Breaker

INFOID:000000006347848

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 >

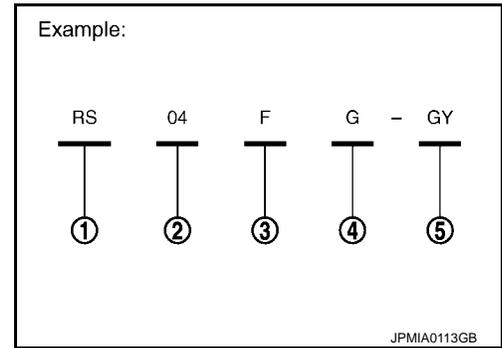
[POWER SUPPLY & GROUND CIRCUIT]

HARNESS LAYOUT

How To Read Harness Layout

INFOID:000000006347849

- 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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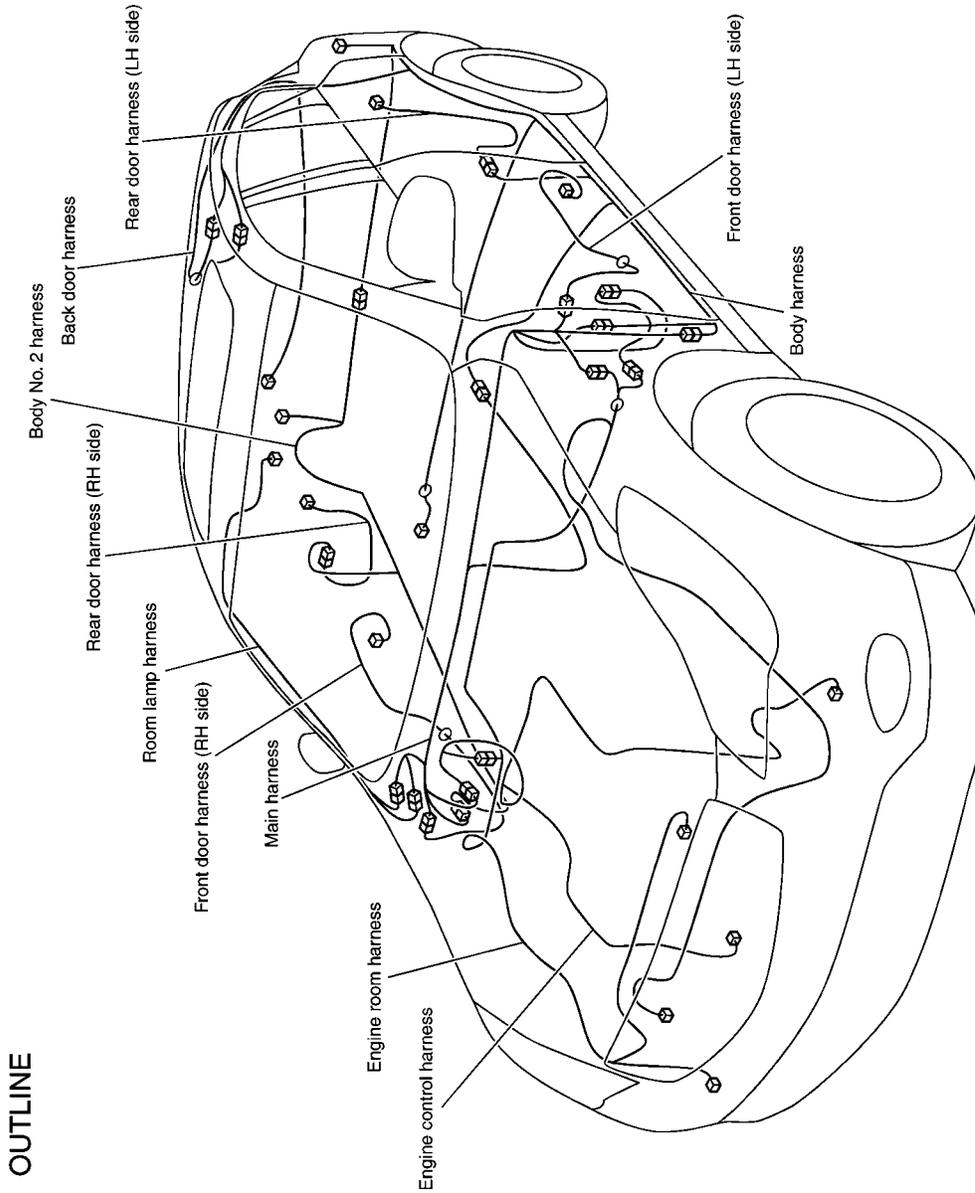
HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Outline

INFOID:00000006347850



OUTLINE

2008/08/28

JCMIA0441GB

HARNES LAYOUT

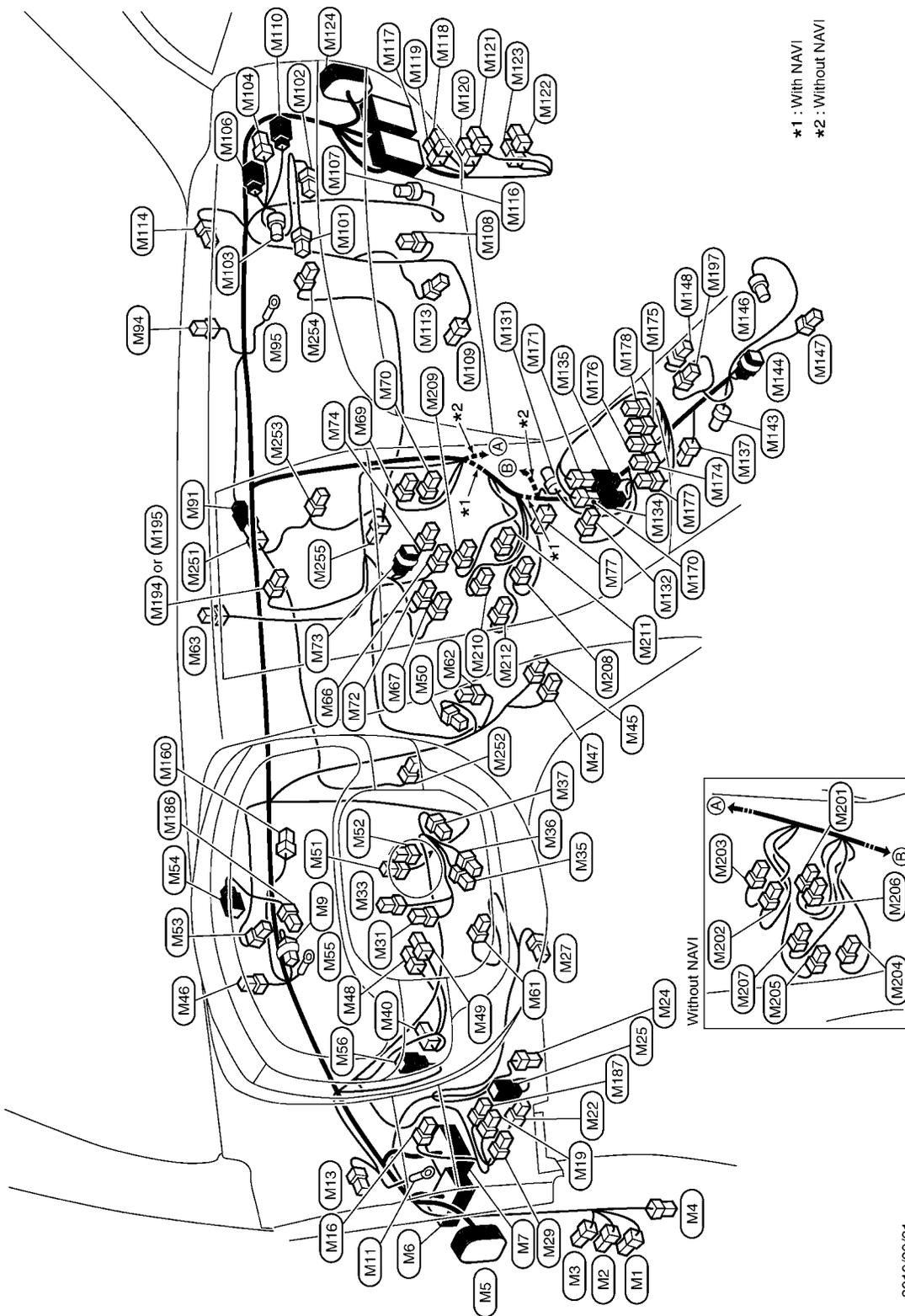
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Main Harness

INFOID:000000006347851

MAIN HARNESS



2010/09/21

JCMIA0823GB

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HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

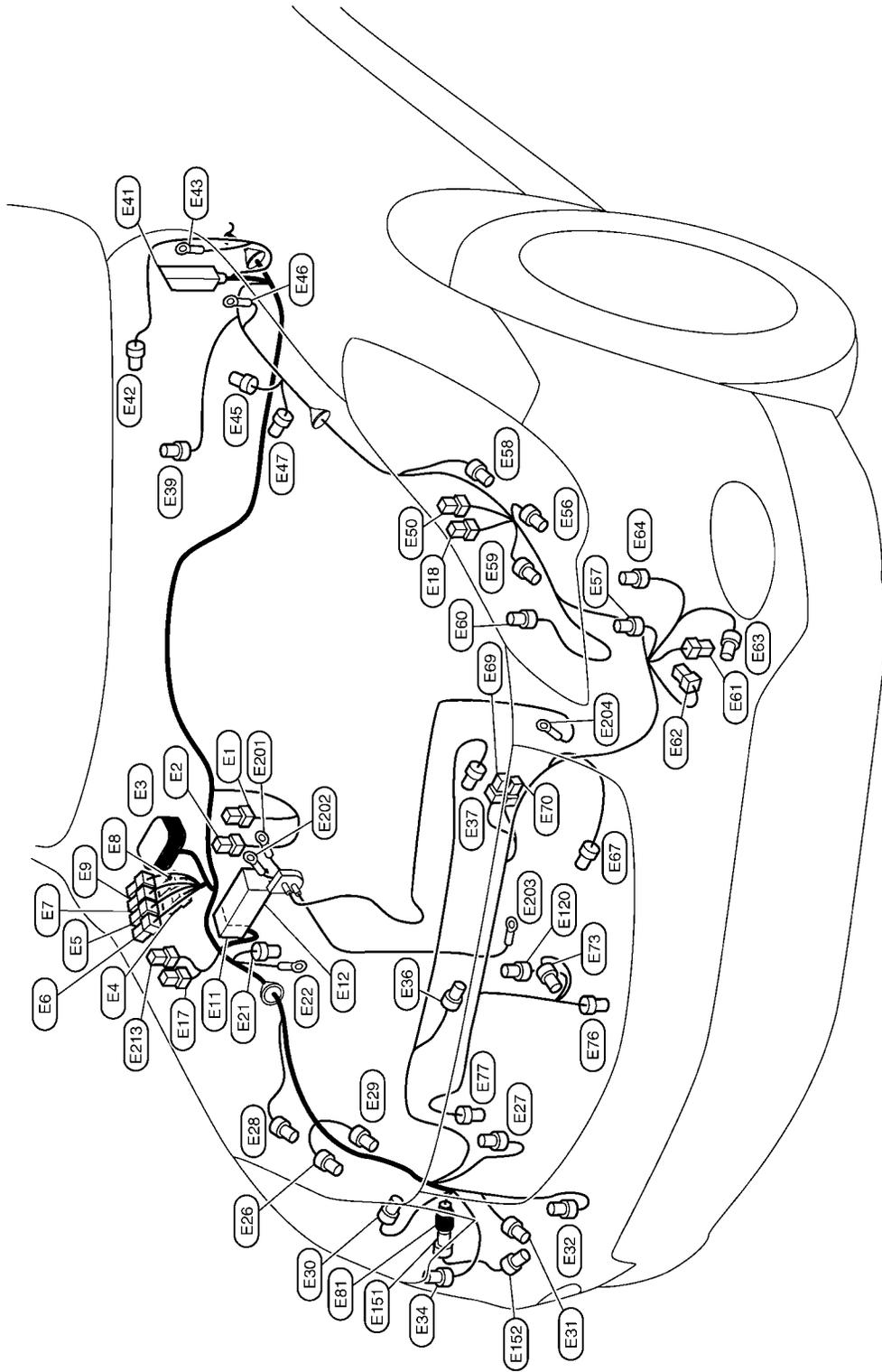
[POWER SUPPLY & GROUND CIRCUIT]

Engine Room Harness

INFOID:00000006347852

ENGINE COMPARTMENT

ENGINE ROOM HARNESS /
Engine Compartment



2009/07/16

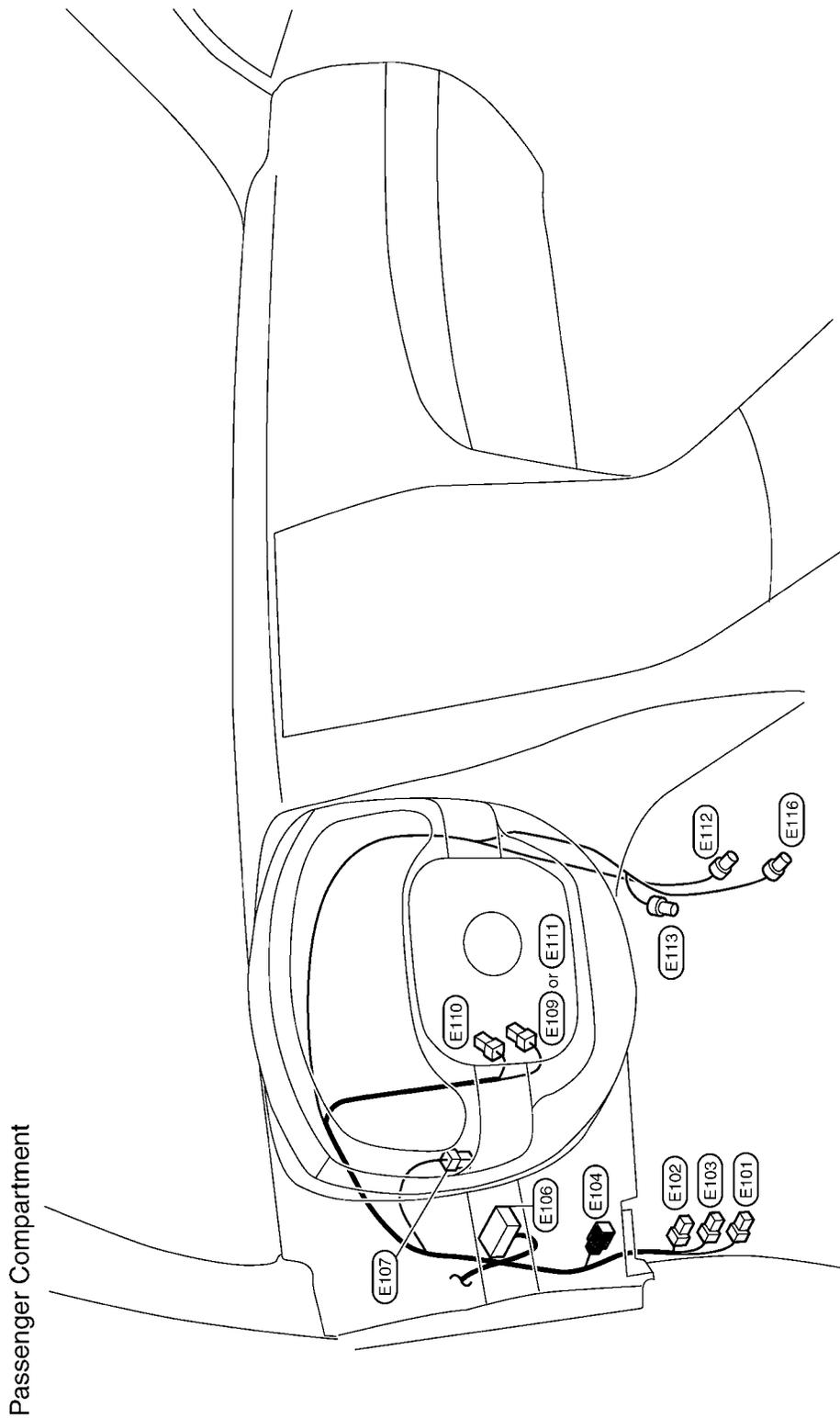
JCMIA0665GB

HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

PASSENGER COMPARTMENT



Passenger Compartment

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2008/08/28

JCMIA0444GB

HARNESS LAYOUT

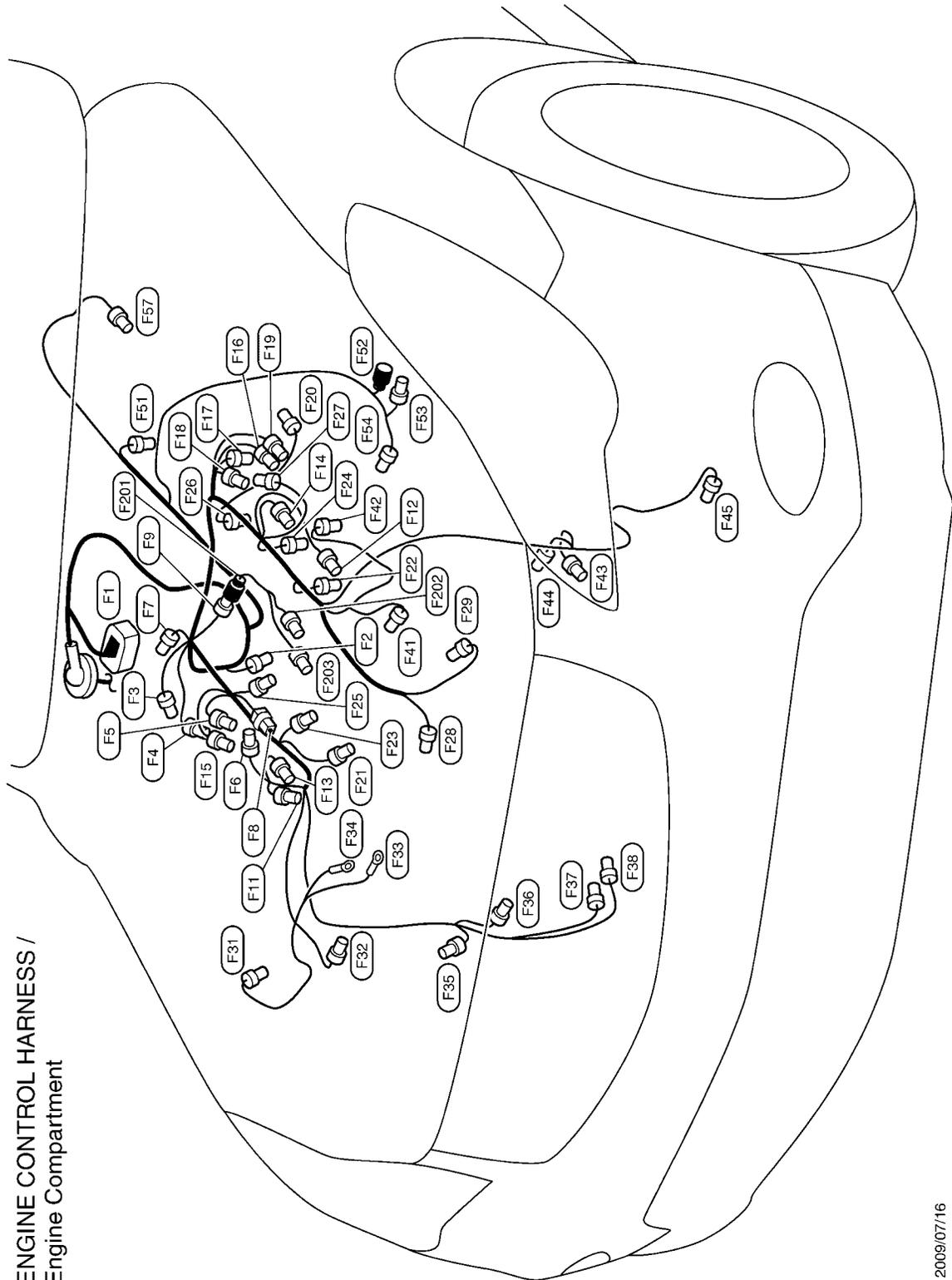
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Engine Control Harness

INFOID:00000006347853

ENGINE COMPARTMENT



ENGINE CONTROL HARNESS /
Engine Compartment

2009/07/16

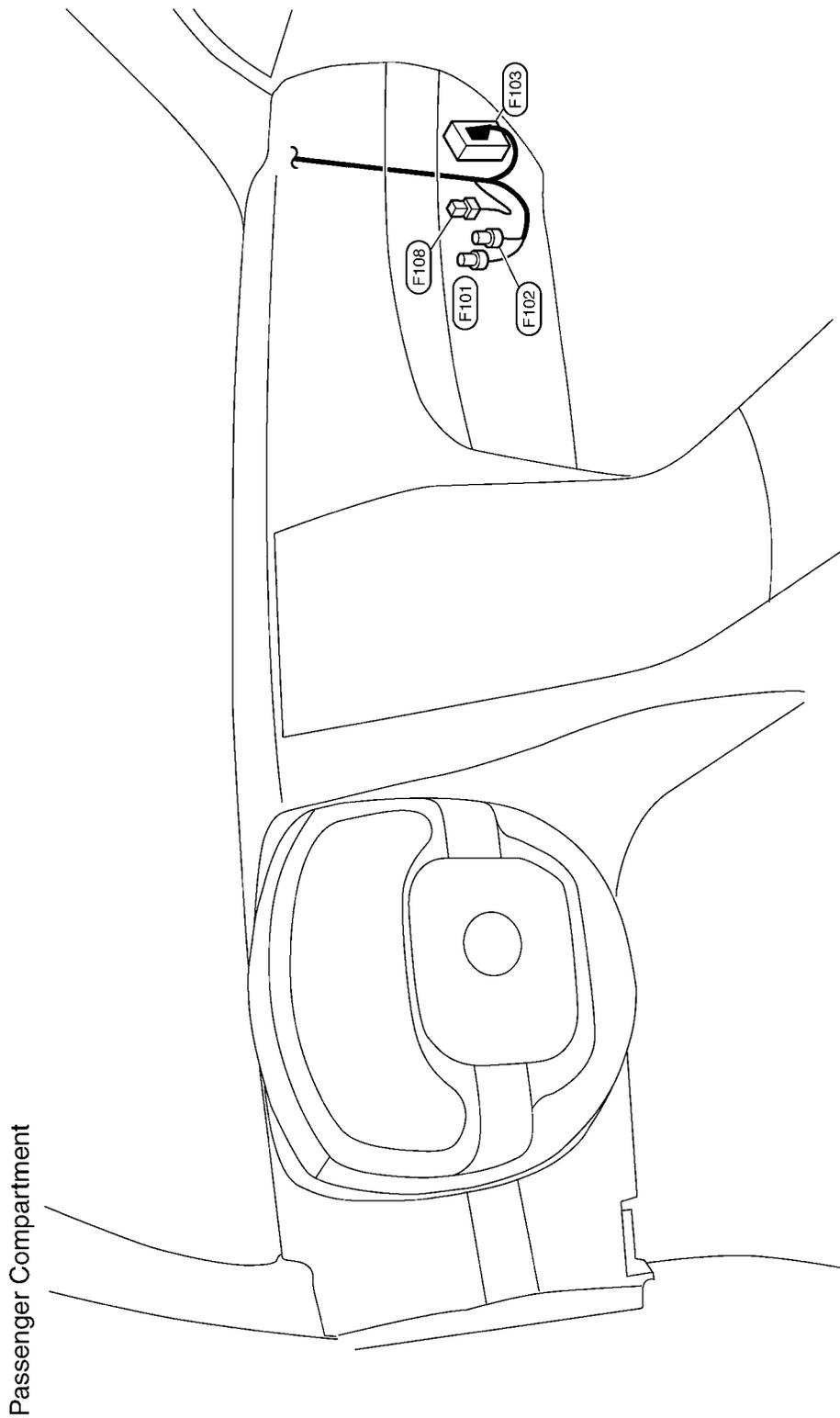
JCMIA0668GB

HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

PASSENGER COMPARTMENT



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2008/08/28

JCMIA0445GB

HARNES LAYOUT

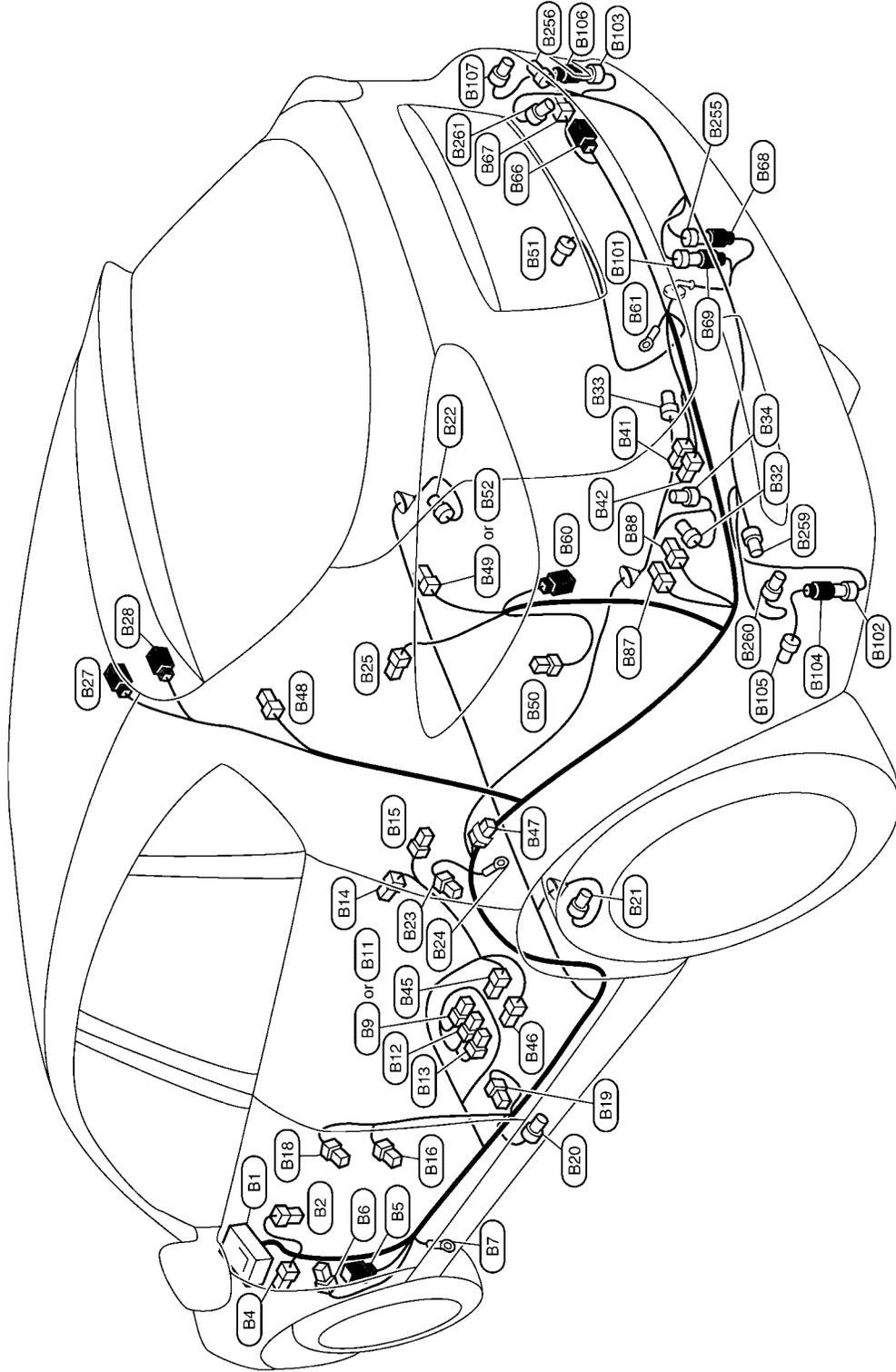
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[POWER SUPPLY & GROUND CIRCUIT]

Body Harness

INFOID:000000006347854

BODY HARNESS



2010/09/21

JCMIA0824GB

HARNESS LAYOUT

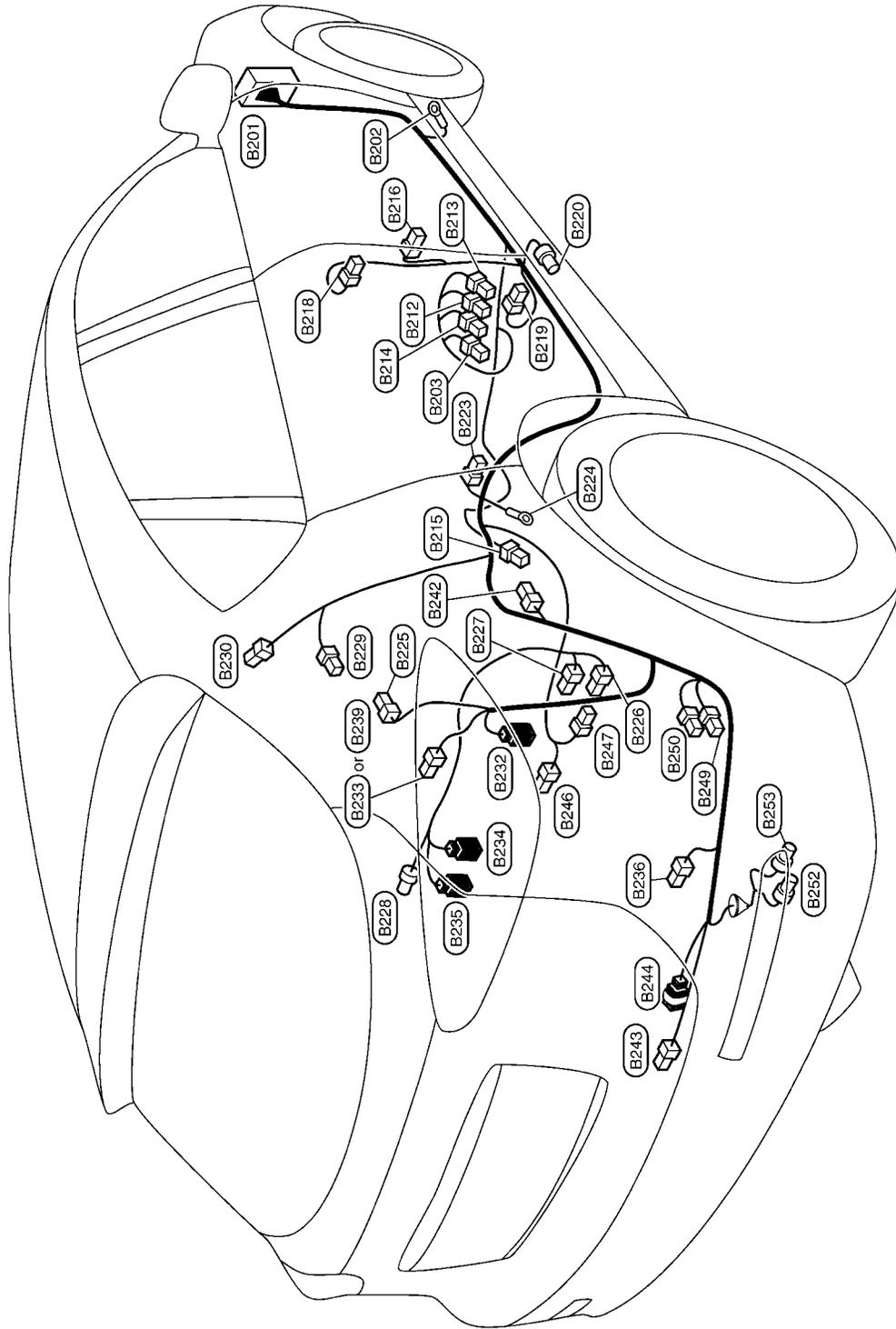
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Body No. 2 Harness

INFOID:000000006347855

BODY No. 2 HARNESS



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2010/09/21

JCMIA0825GB

HARNES LAYOUT

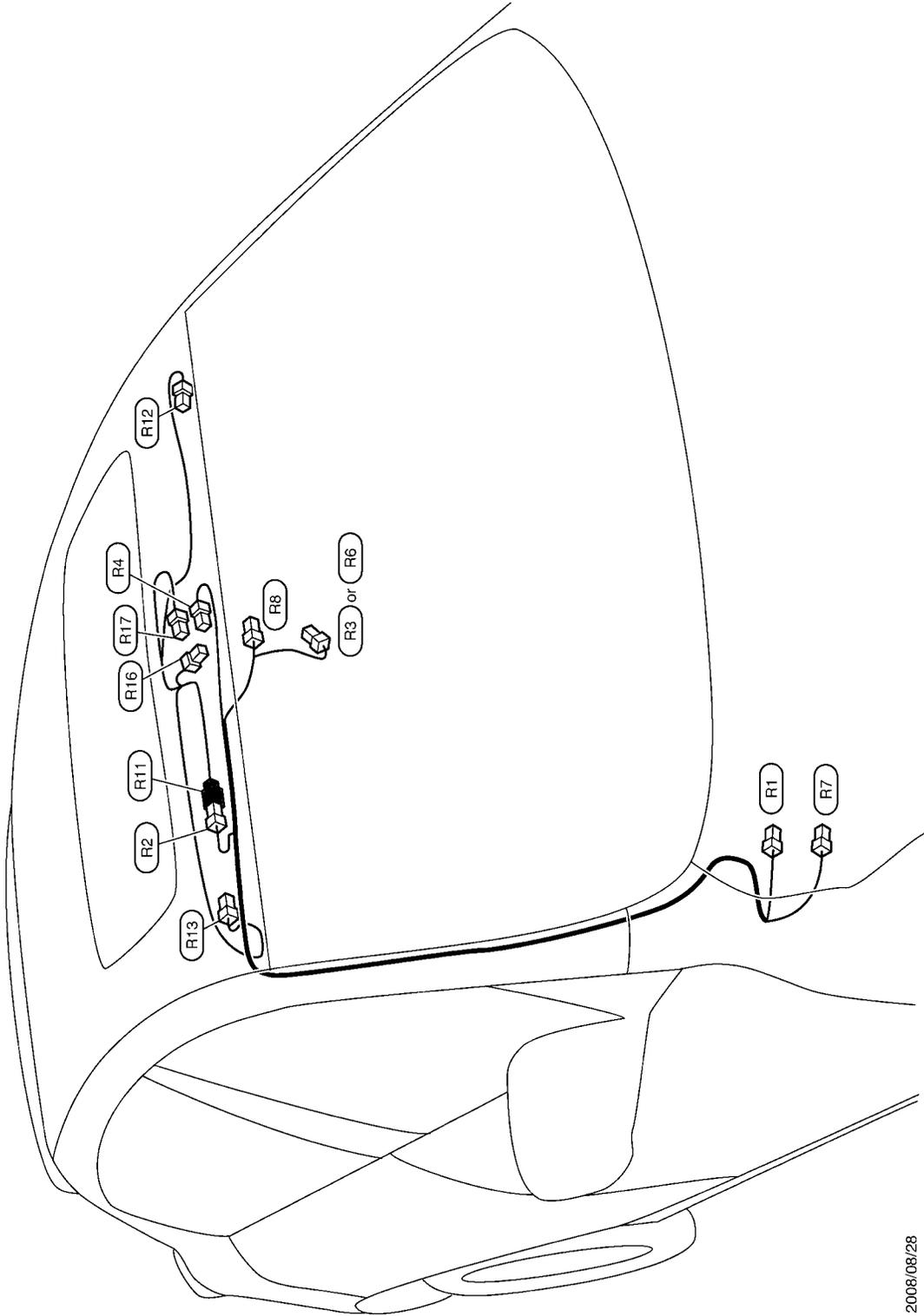
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Room Lamp Harness

INFOID:000000006347856

ROOM LAMP HARNESS



2008/08/28

JCMIA0448GB

HARNES LAYOUT

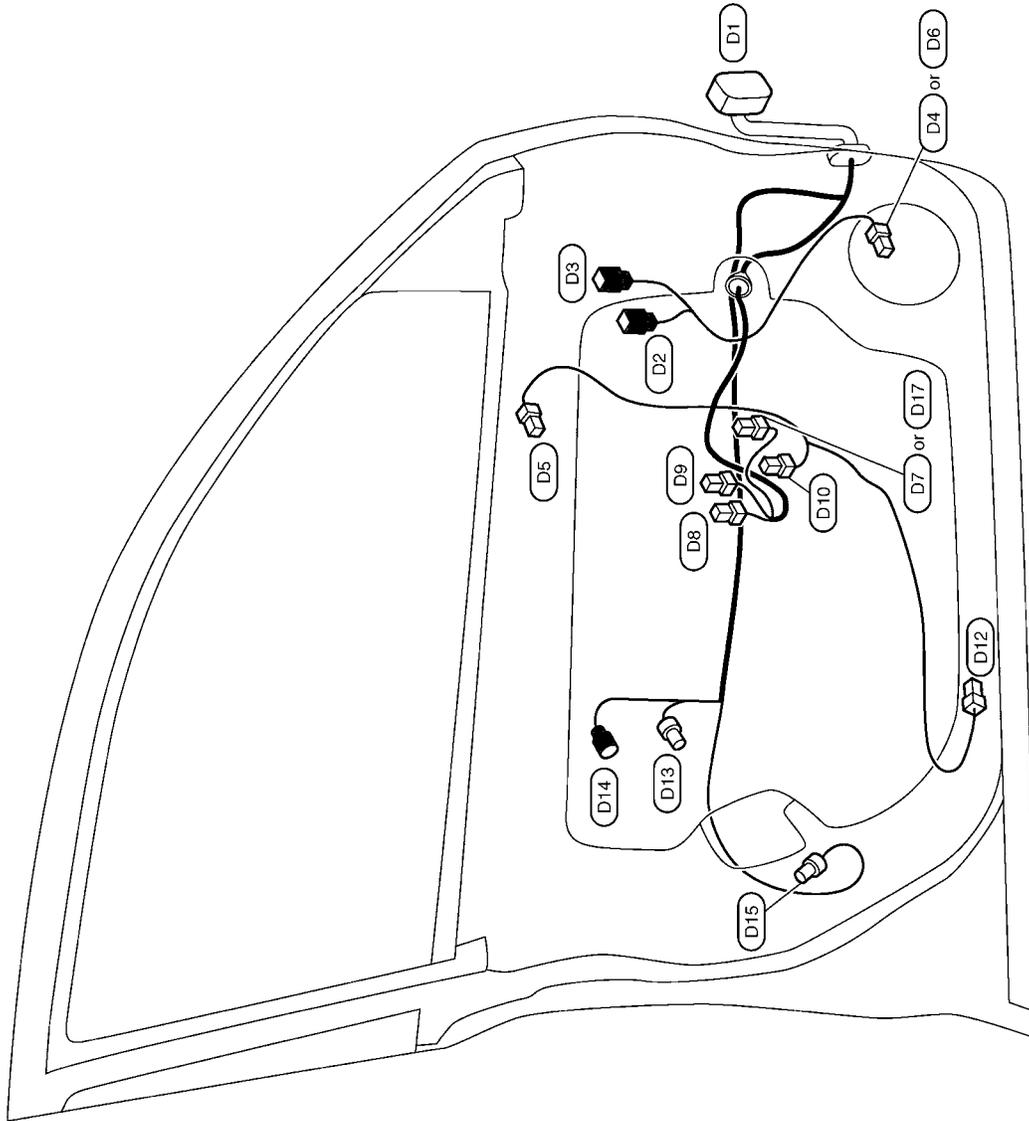
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Front Door Harness (LH Side)

INFOID:000000006347857

FRONT DOOR HARNESS (LH SIDE)



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2010/09/21

JCMIA0826GB

HARNESS LAYOUT

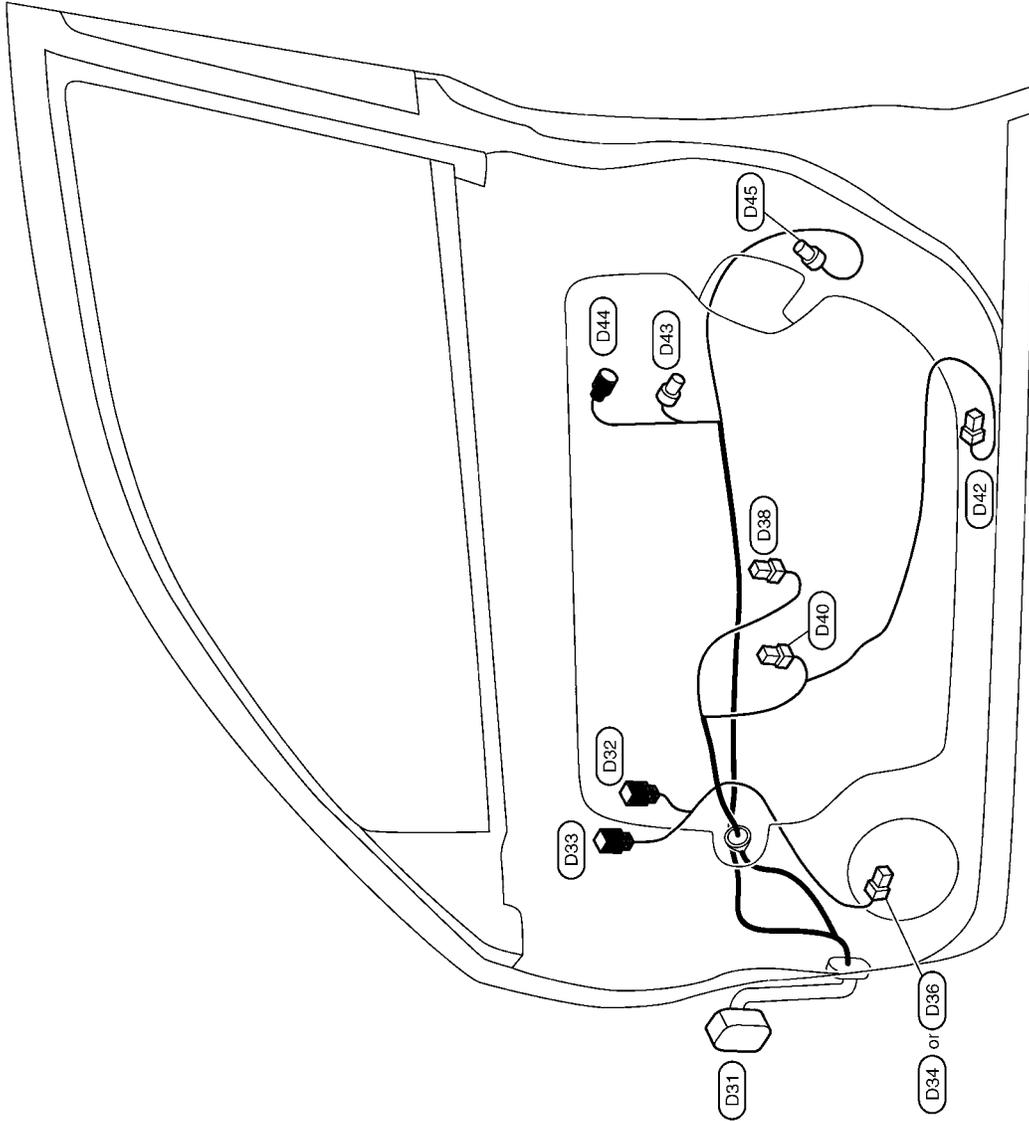
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Front Door Harness (RH Side)

INFOID:000000006347858

FRONT DOOR HARNESS (RH SIDE)



2010/09/21

JCMIA0827GB

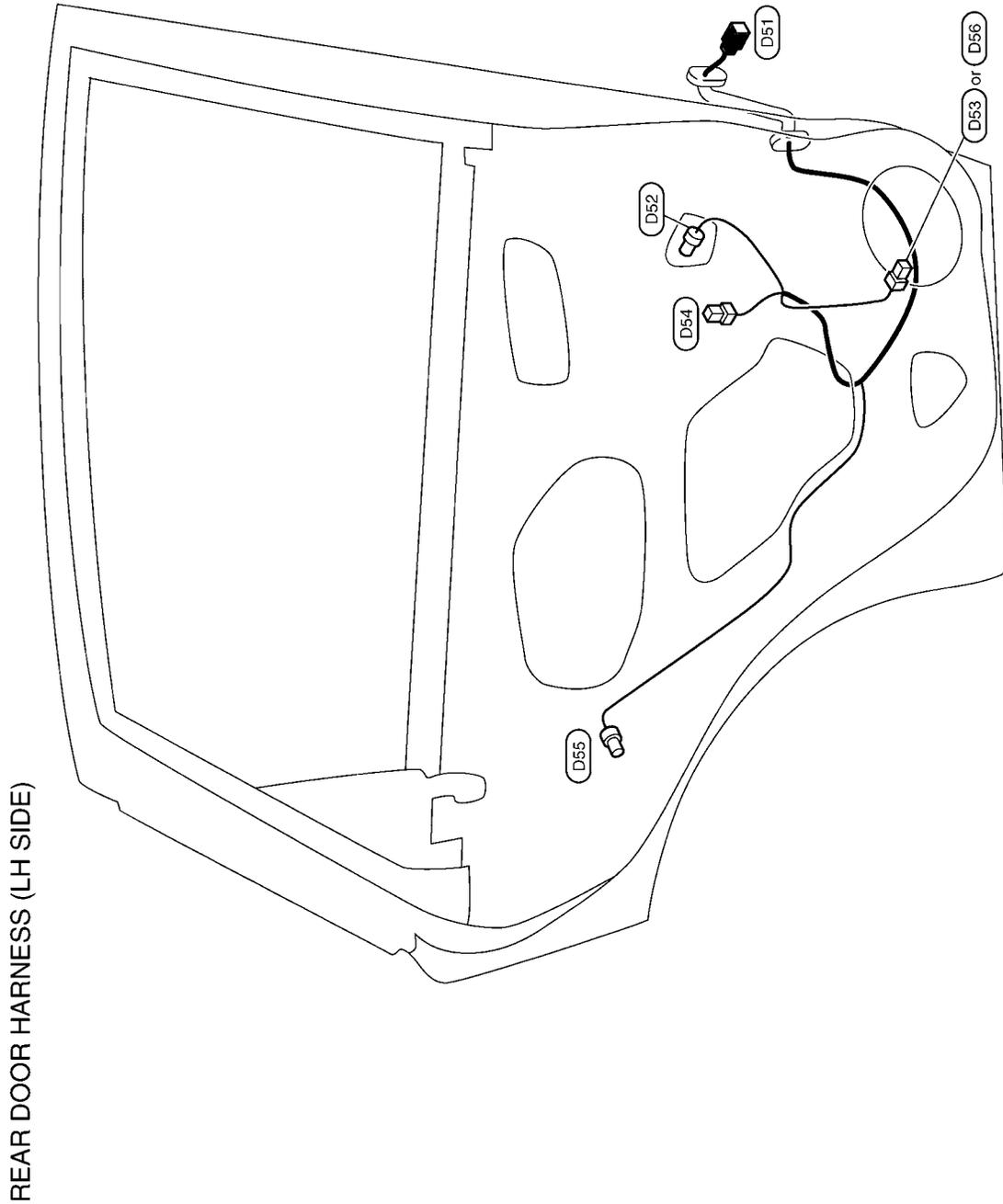
HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Rear Door Harness (LH Side)

INFOID:000000006347859



REAR DOOR HARNESS (LH SIDE)

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2007/10/26

JCMIM0282GB

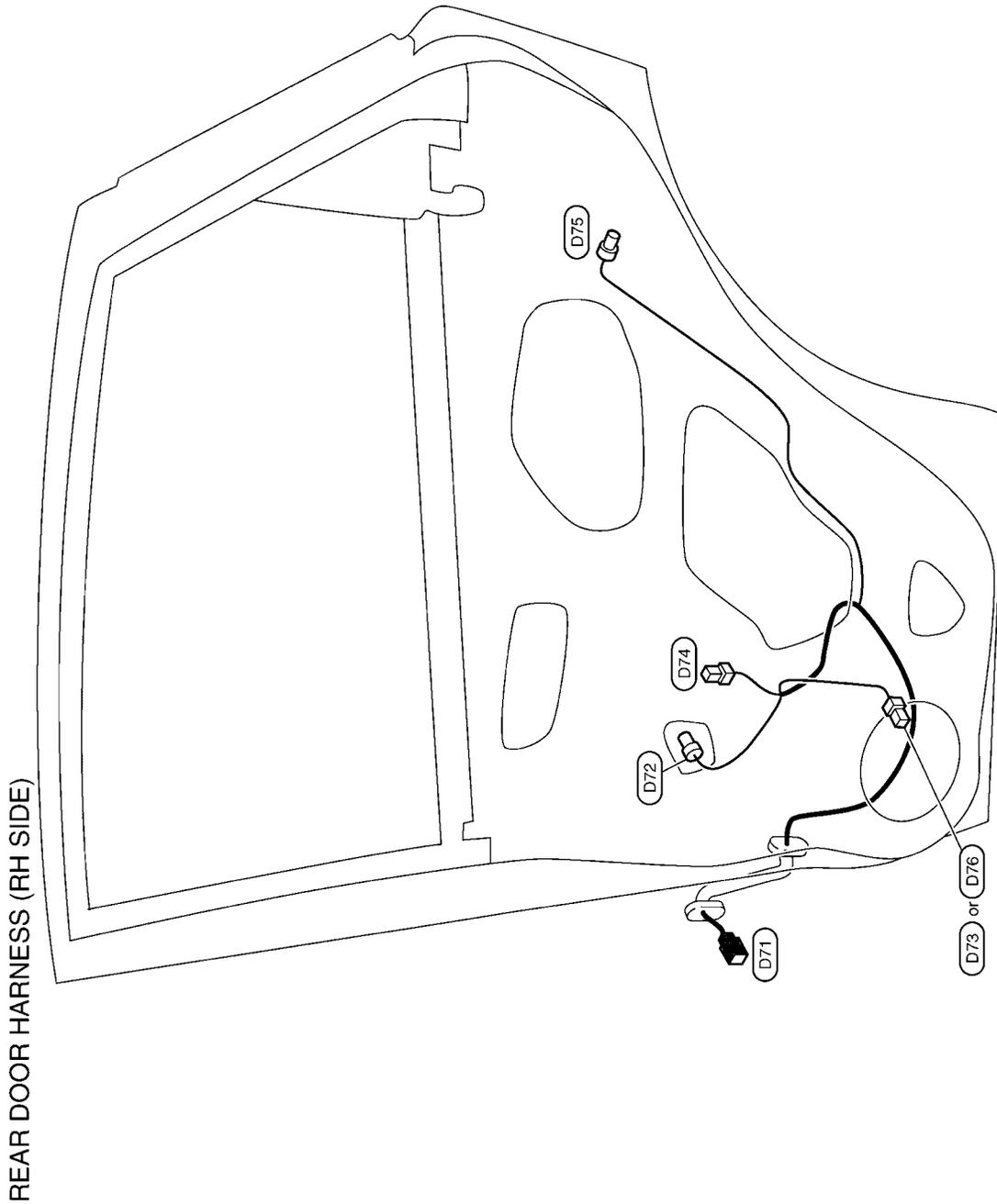
HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Rear Door Harness (RH Side)

INFOID:000000006347860



2007/10/26

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HARNES LAYOUT

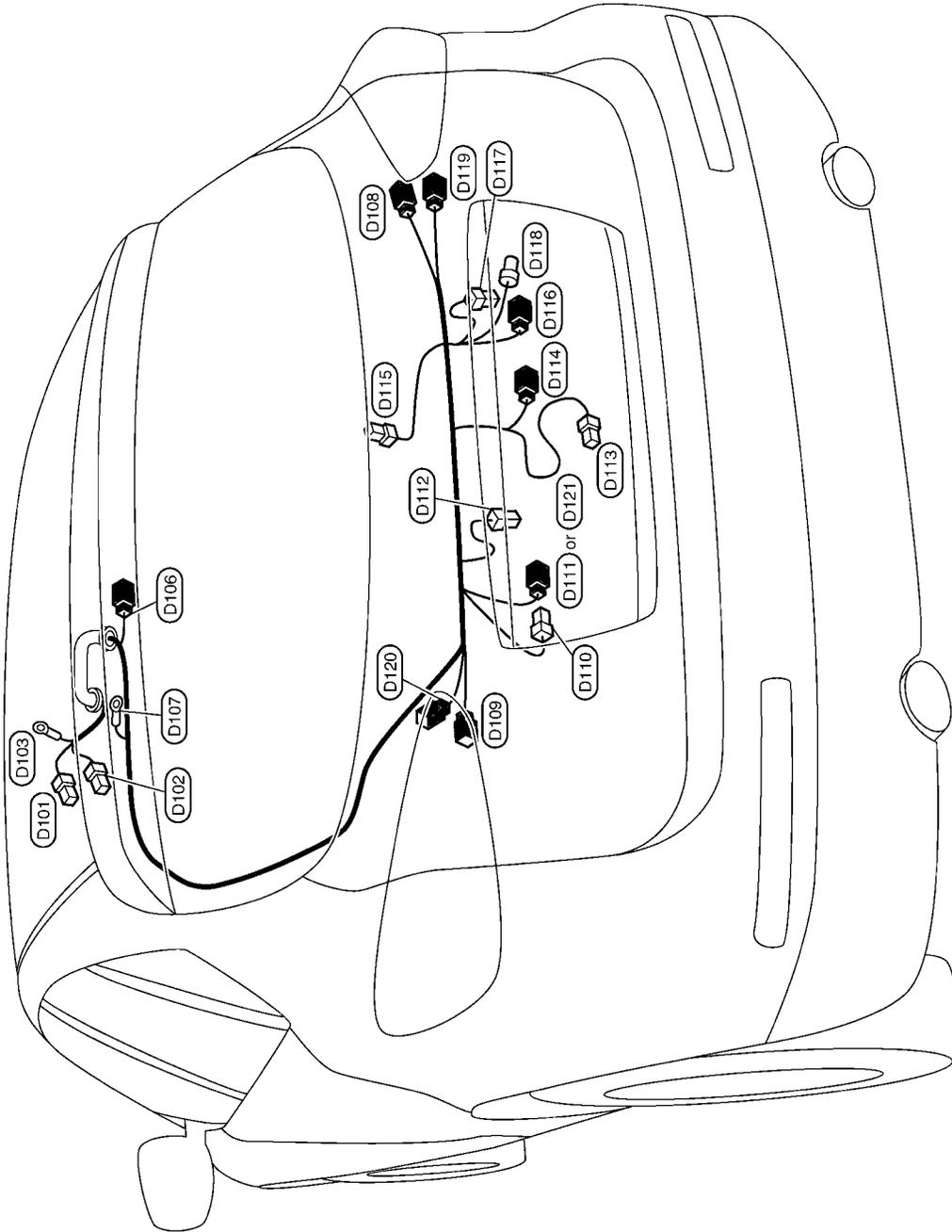
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Back Door Harness

INFOID:000000006347861

BACK DOOR HARNESS



2010/09/21

JCMIA0828GB

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HARNESS CONNECTOR

Description

INFOID:00000006347862

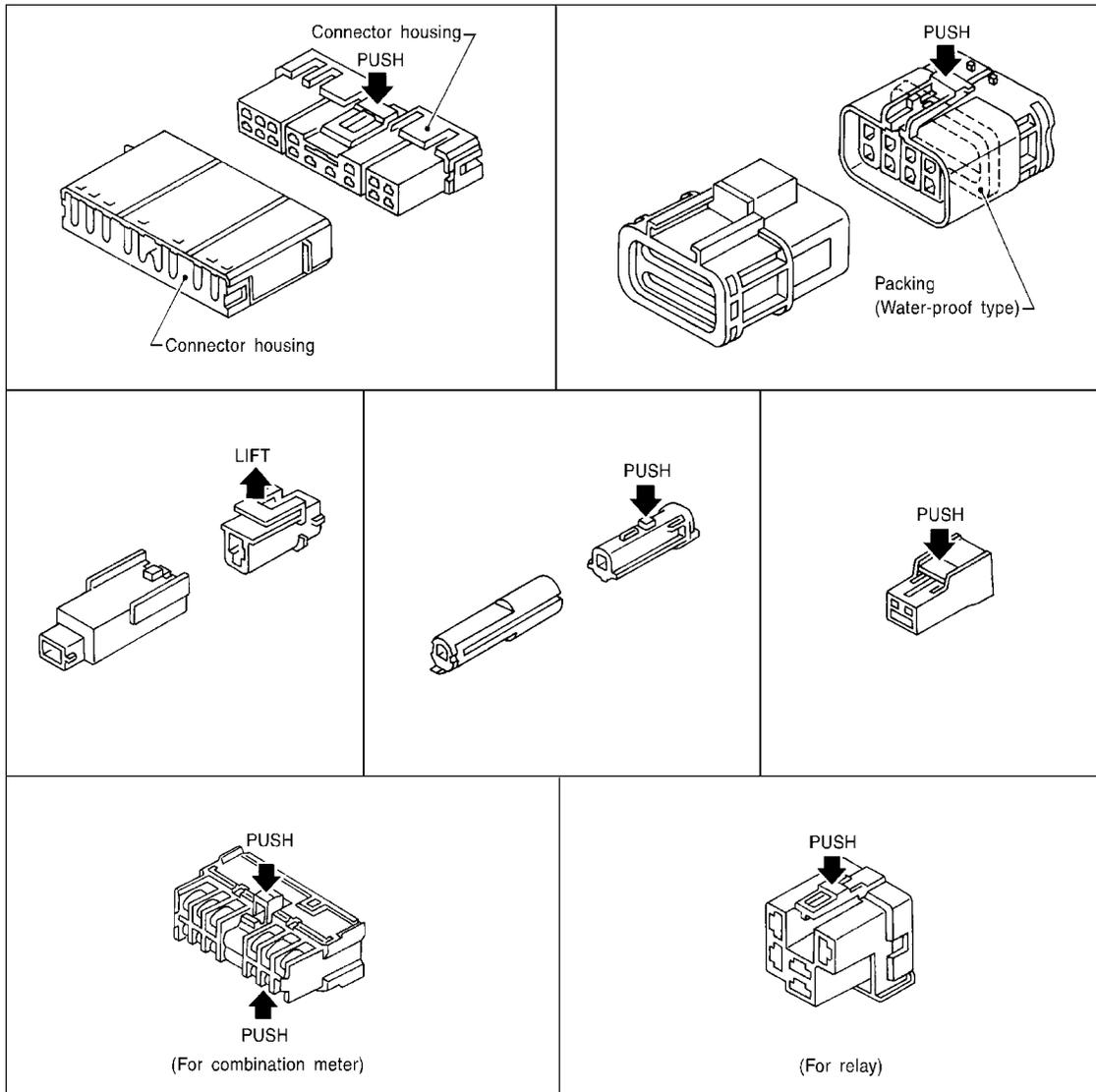
HARNESS CONNECTOR (TAB-LOCKING TYPE)

- 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

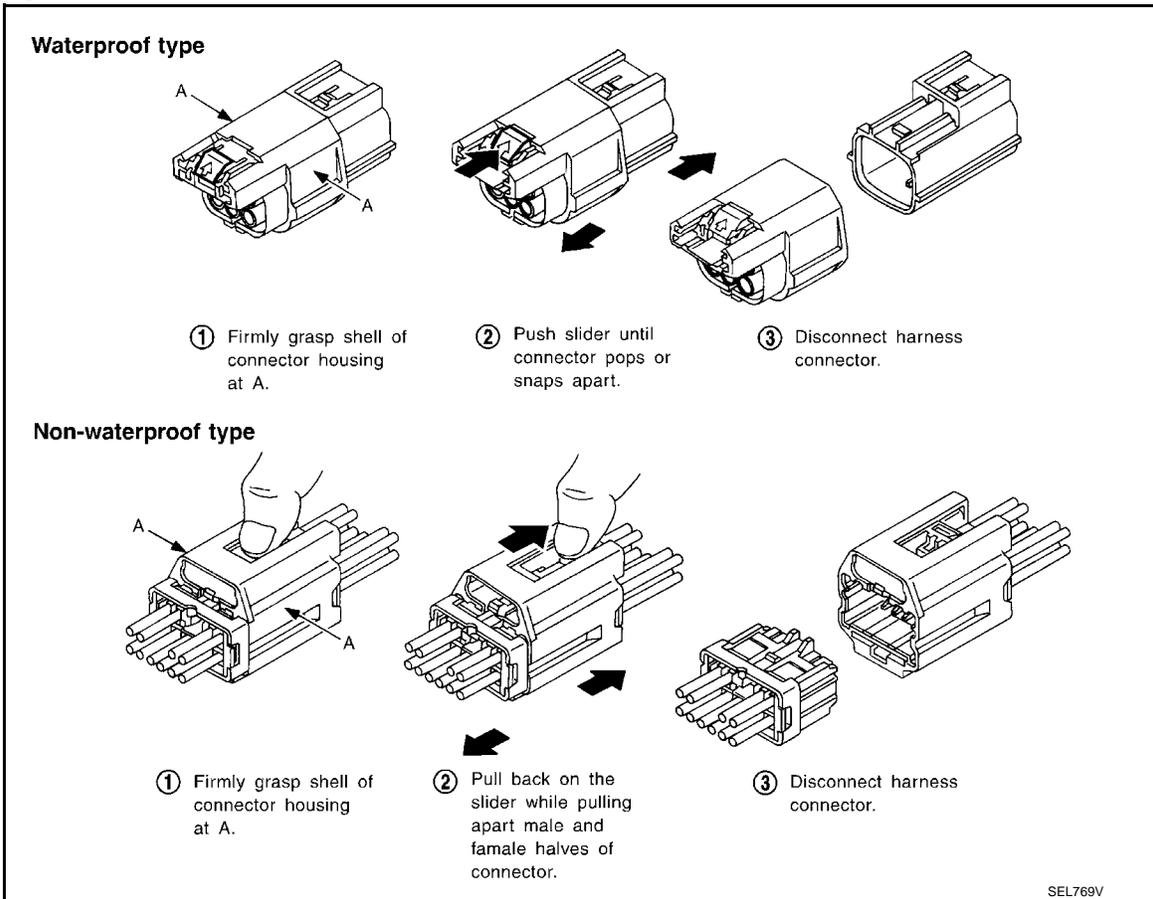
< DTC/CIRCUIT DIAGNOSIS >

[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:

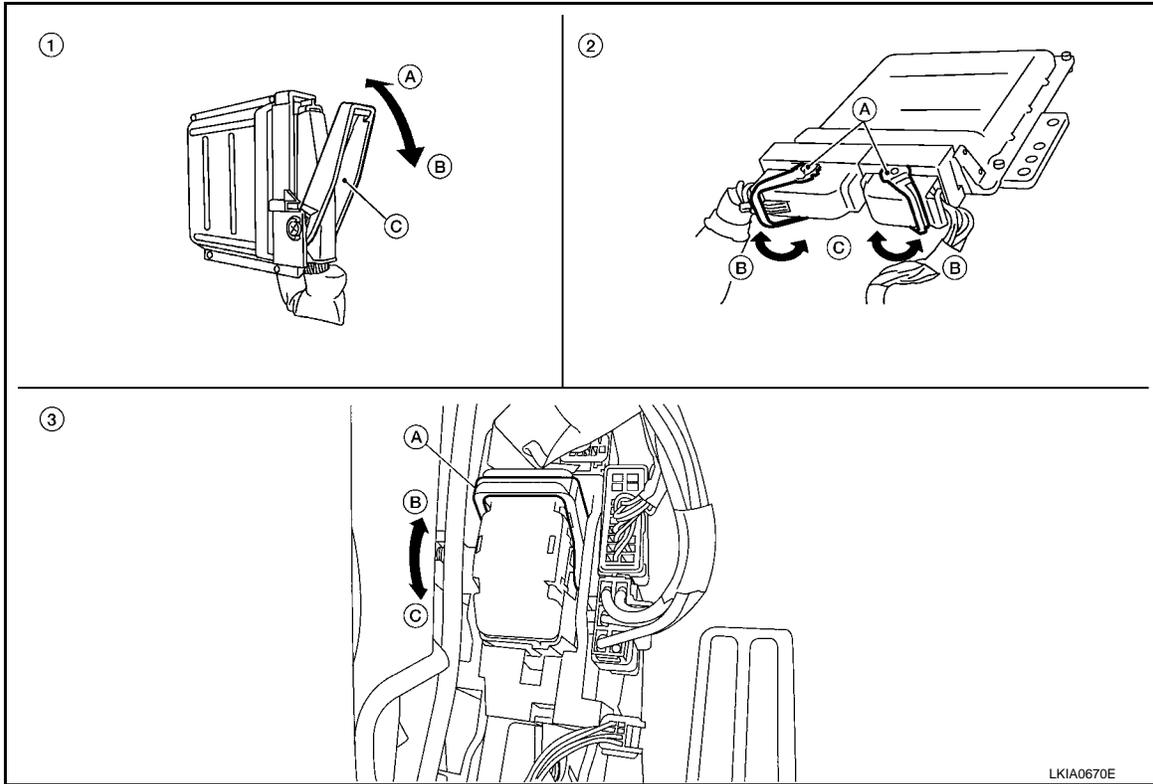
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HARNESS CONNECTOR

< 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

LKIA0670E

STANDARDIZED RELAY

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

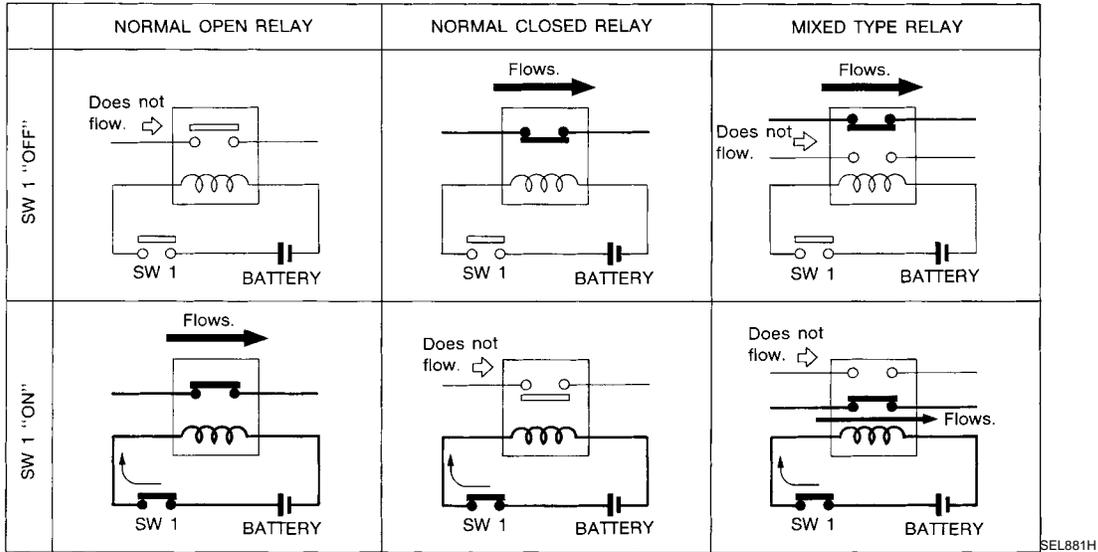
STANDARDIZED RELAY

Description

INFOID:000000006347863

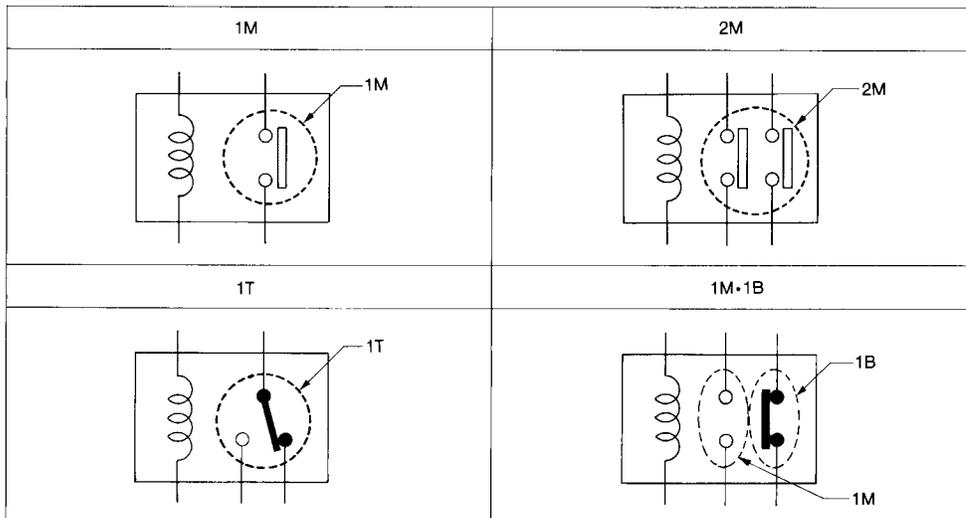
NORMAL OPEN, NORMAL CLOSED AND MIXED TYPE RELAYS

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



TYPE OF STANDARDIZED RELAYS

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

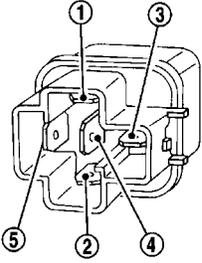
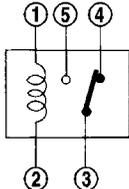
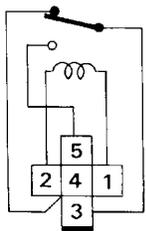
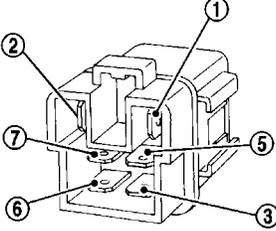
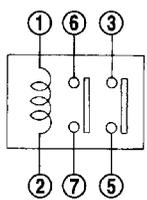
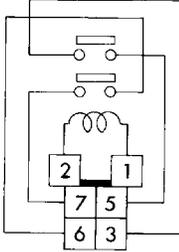
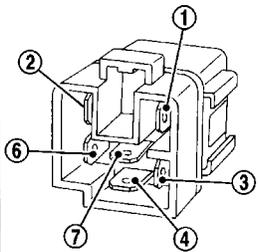
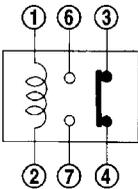
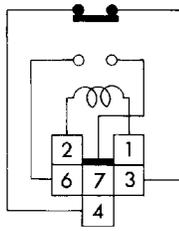
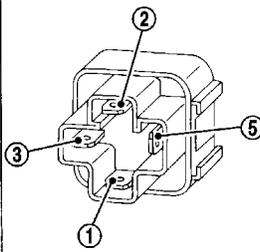
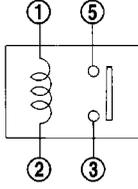
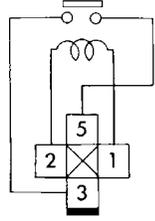
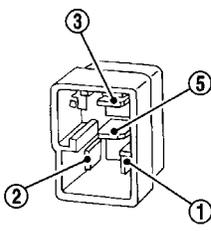
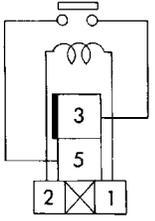


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STANDARDIZED RELAY

< 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)

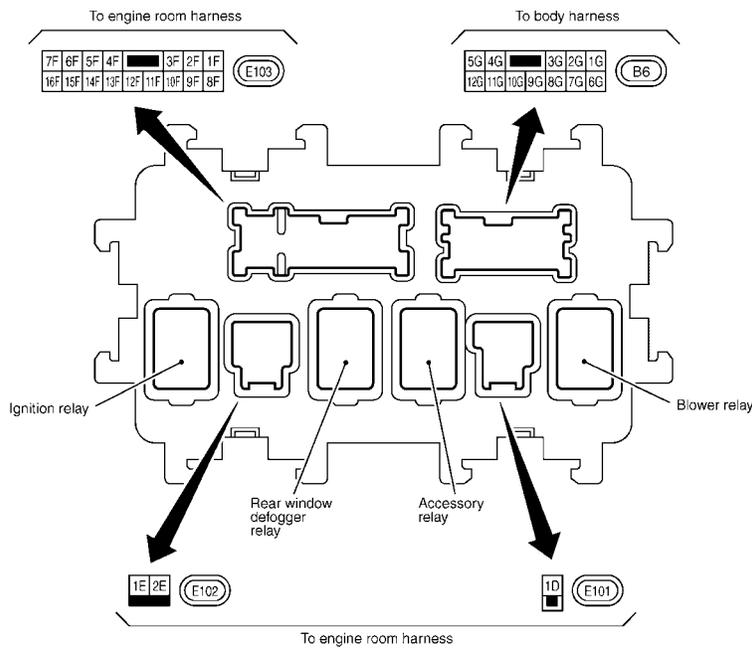
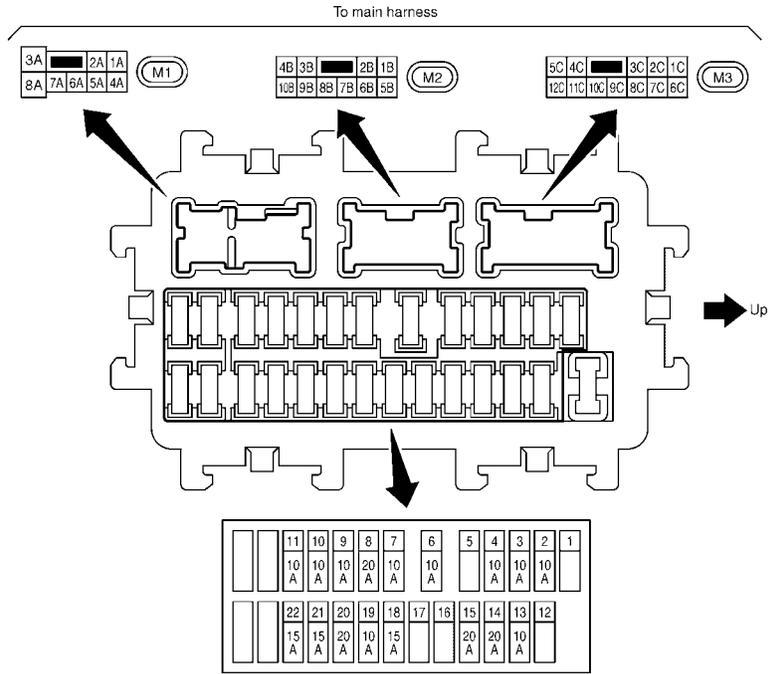
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

FUSE BLOCK - JUNCTION BOX (J/B)

Fuse, Connector and Terminal Arrangement

INFOID:000000006347864



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FUSE, FUSIBLE LINK AND RELAY BOX

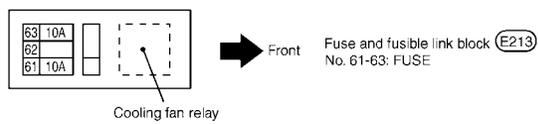
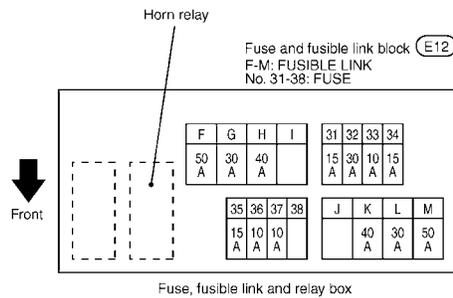
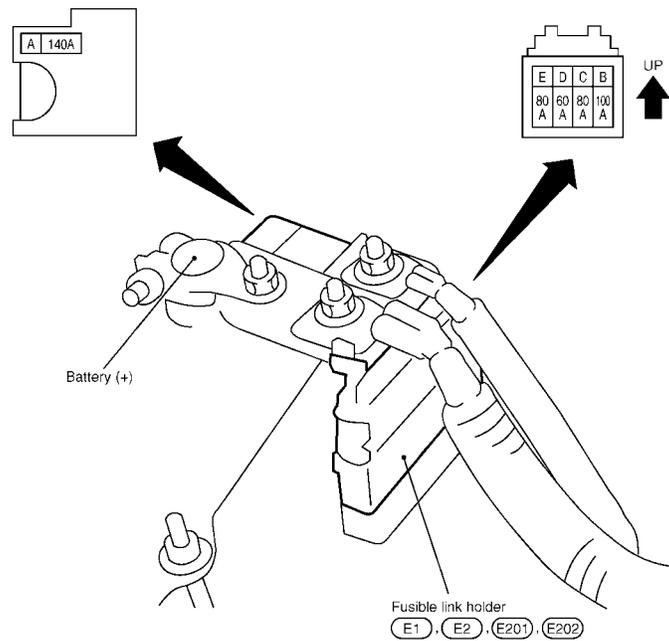
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

FUSE, FUSIBLE LINK AND RELAY BOX

Fuse and Fusible Link Arrangement

INFOID:000000006347865



2009/07/16

JCMWA4944GB

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

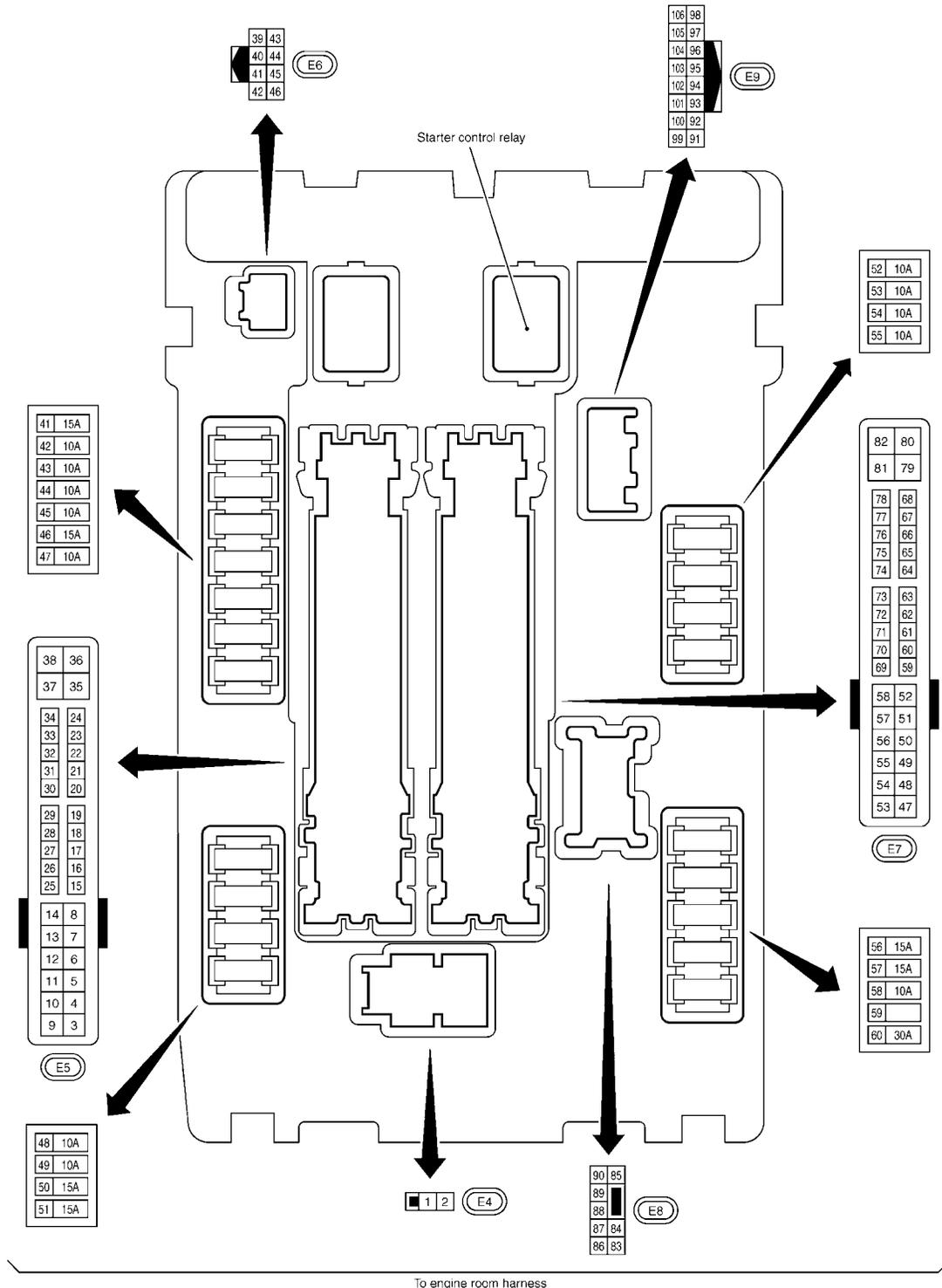
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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

Fuse, Connector and Terminal Arrangement

INFOID:000000006347866



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2010/09/21

JCMWA6291GB

PRECAUTION

PRECAUTIONS

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

INFOID:000000006347867

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:

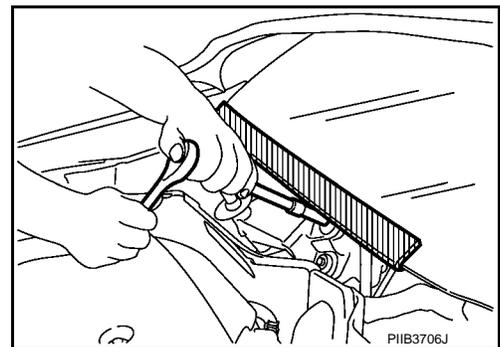
Always observe the following items for preventing accidental activation.

- 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:000000006347868

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]

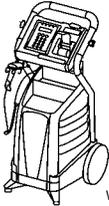
< PREPARATION >

PREPARATION

PREPARATION

Special Service Tools

INFOID:000000006347869

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]

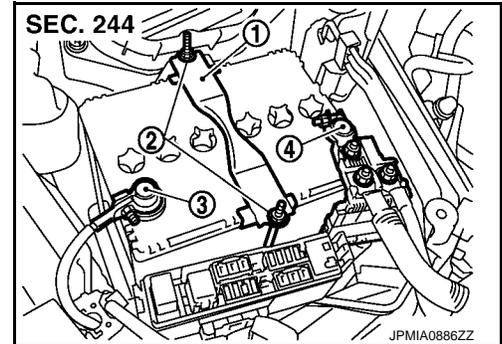
REMOVAL AND INSTALLATION

BATTERY

Exploded View

INFOID:000000006347870

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

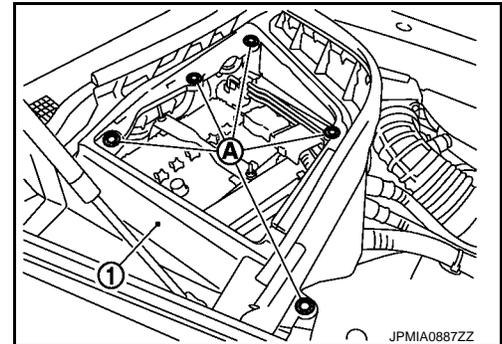


Removal and Installation

INFOID:000000006347871

REMOVAL

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

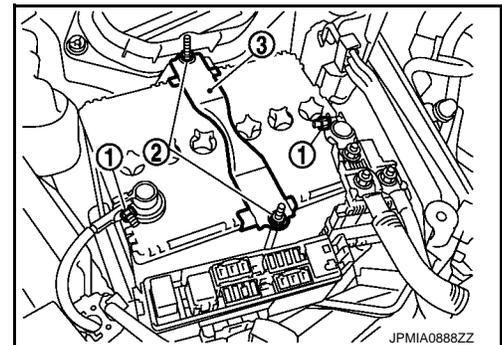


3. Remove cowl top cover RH. Refer to [EXT-22. "Exploded View"](#).
4. Remove cover of battery positive terminal.
5. Loosen battery terminal nuts (1), and disconnect both battery cables from battery terminals.

CAUTION:

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

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



INSTALLATION

Install in the reverse order of removal.

CAUTION:

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

Battery fix frame mounting nut

: 3.9 N·m (0.40 kg-m, 35 in-lb)

Battery terminal nut

: 5.4 N·m (0.55 kg-m, 48 in-lb)

BATTERY

< REMOVAL AND INSTALLATION >

[POWER SUPPLY & GROUND CIRCUIT]

Reset electronic systems as necessary. Refer to [GI-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 >

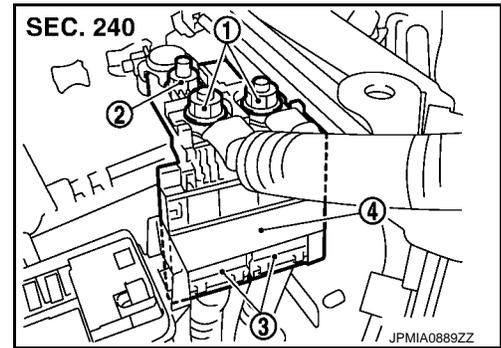
[POWER SUPPLY & GROUND CIRCUIT]

BATTERY TERMINAL WITH FUSIBLE LINK

Exploded View

INFOID:00000006347872

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

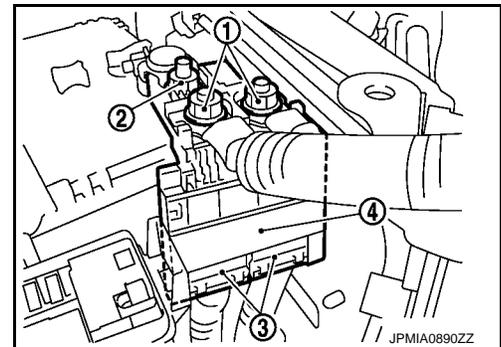


Removal and Installation

INFOID:00000006347873

REMOVAL

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



INSTALLATION

Install in the reverse order of removal.

Harness mounting nut

: 13.5 N·m (1.4 kg-m, 10 ft-lb)

Fusible link holder mounting nut

: 13.5 N·m (1.4 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:000000006347874

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

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