

SECTION **PG**

POWER SUPPLY, GROUND & CIRCUIT ELEMENTS

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BASIC INSPECTION

BATTERY

How to Handle Battery

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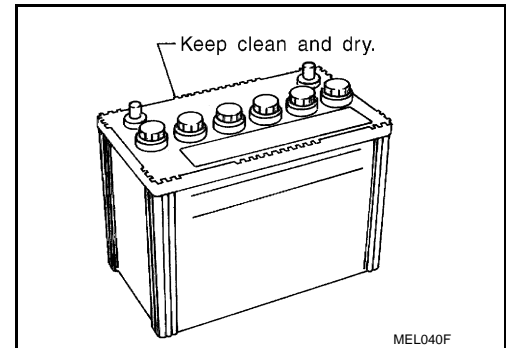
CAUTION:

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

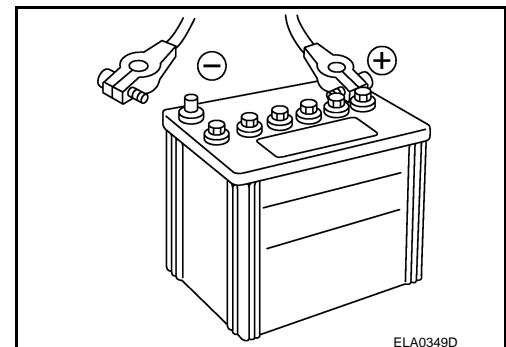
METHODS OF PREVENTING OVER-DISCHARGE

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

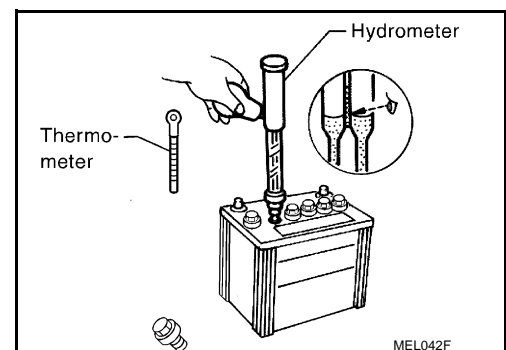
- The battery surface (particularly its top) should always be kept clean and dry.
- The terminal connections should be clean and tight.
- At every routine maintenance, check the electrolyte level. This also applies to batteries designated as "low maintenance" and "maintenance-free".



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



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



CHECKING ELECTROLYTE LEVEL

WARNING:

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

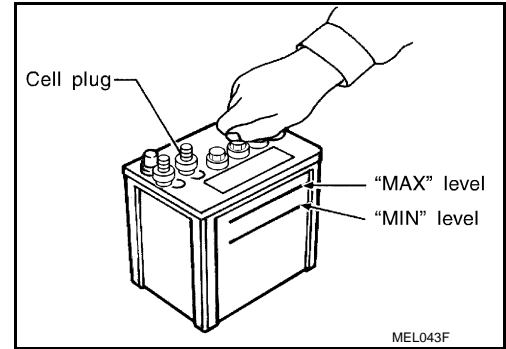
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BATTERY

[POWER SUPPLY & GROUND CIRCUIT]

< BASIC INSPECTION >

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

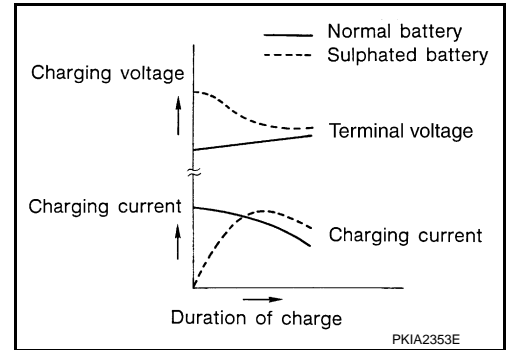


Sulphation

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

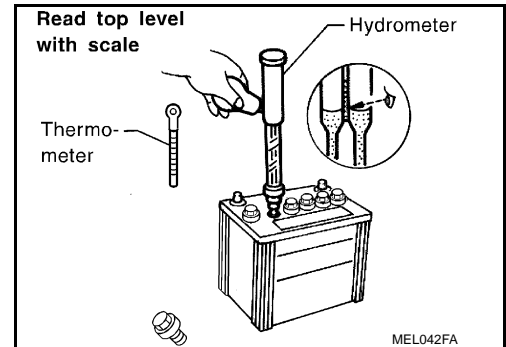
To determine if a battery has been “sulphated”, note its voltage and current when charging it. As shown in the figure, less current and higher voltage are observed in the initial stage of charging sulphated batteries.

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



SPECIFIC GRAVITY CHECK

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



Hydrometer Temperature Correction

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

BATTERY

< BASIC INSPECTION >

[POWER SUPPLY & GROUND CIRCUIT]

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

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

CHARGING THE BATTERY

CAUTION:

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

Charging Rates

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

Do not charge at more than 50 ampere rate.

NOTE:

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

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

Work Flow

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TROUBLE DIAGNOSIS WITH BATTERY SERVICE CENTER

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

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

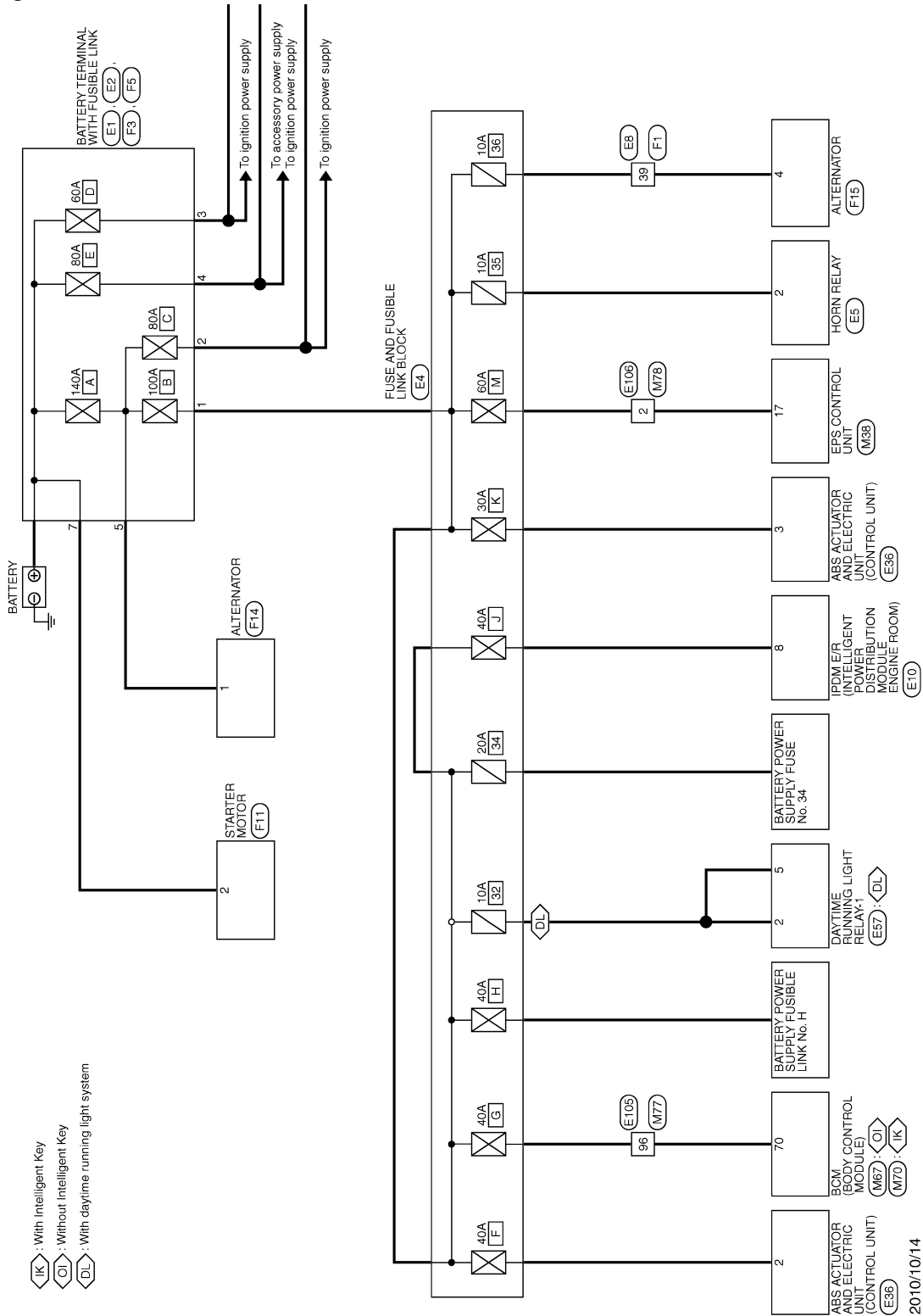
DTC/CIRCUIT DIAGNOSIS

POWER SUPPLY ROUTING CIRCUIT

Wiring Diagram - BATTERY POWER SUPPLY -

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BATTERY POWER SUPPLY



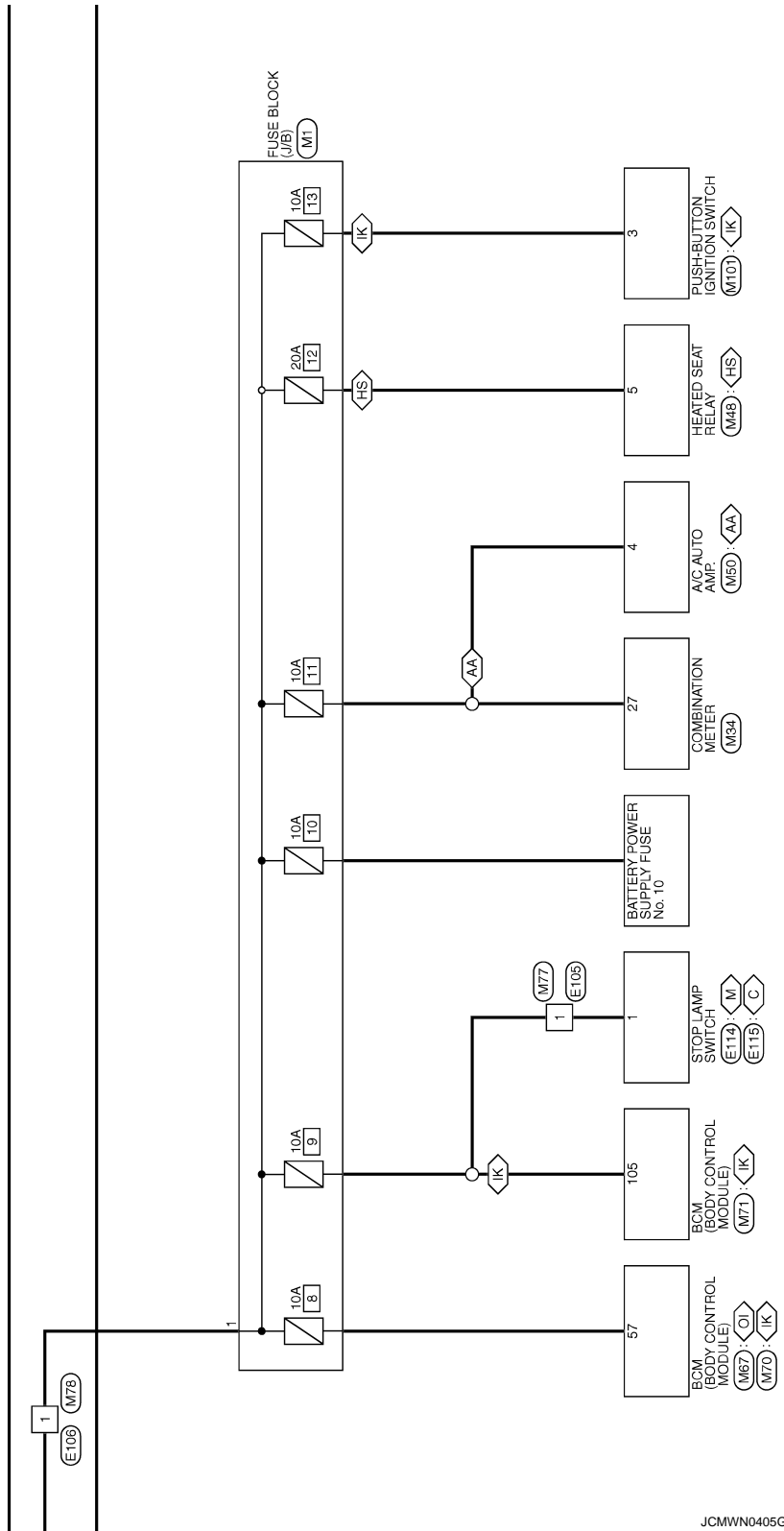
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POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

- ◻ C : With CVT
- ◻ M : With M/T
- ◻ IK : With Intelligent Key
- ◻ OI : Without Intelligent Key
- ◻ AA : With auto A/C
- ◻ HS : With heated seat



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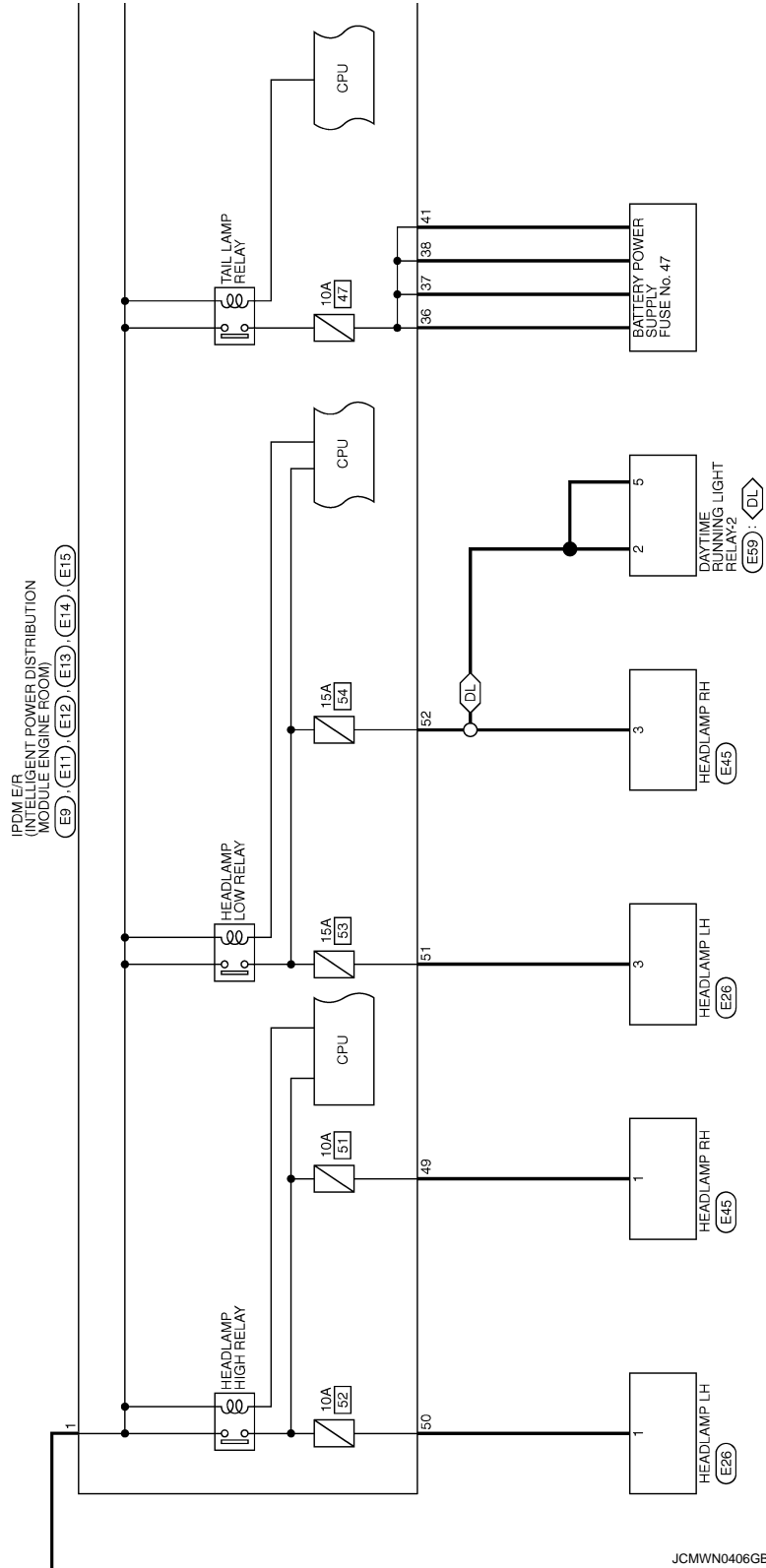
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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

DL : With daytime running light system

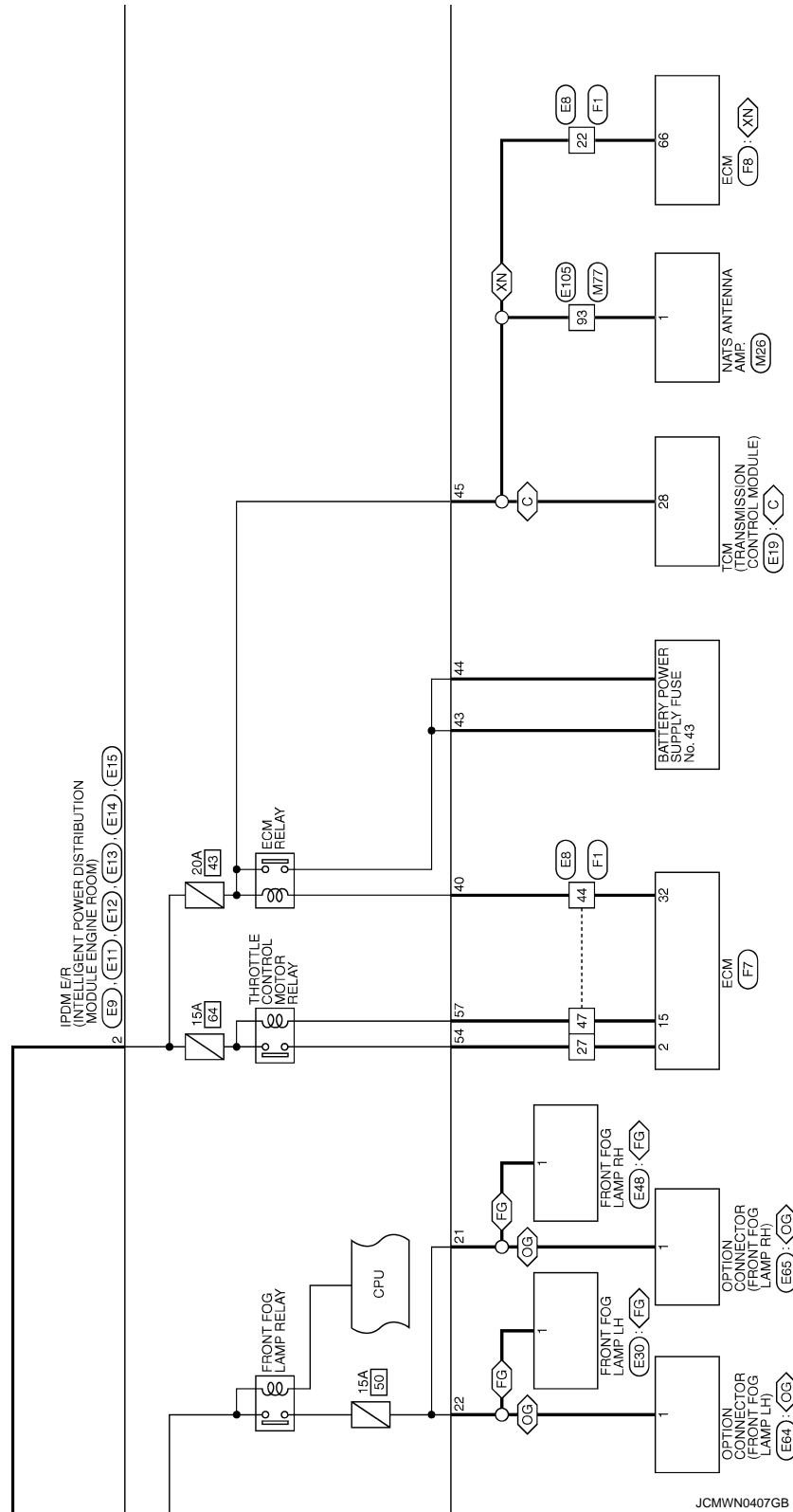


POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

- XN : Except for Canada
- C : With CVT
- FG : With front fog lamp
- OG : Without front fog lamp



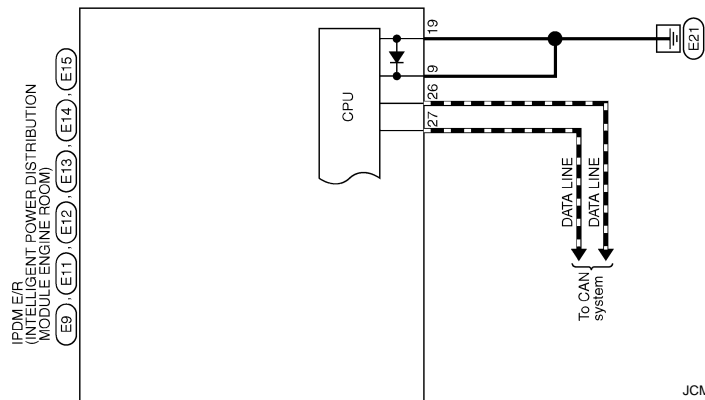
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POWER SUPPLY ROUTING CIRCUIT

< 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

Connector No.	E1
Connector Name	BATTERY TERMINAL WITH FUSIBLE LINK
Connector Type	LOFCY-MC



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

Connector No.	E2
Connector Name	BATTERY TERMINAL WITH FUSIBLE LINK
Connector Type	LOFBR-MC



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

Connector No.	E5
Connector Name	HORN RELAY
Connector Type	-



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

3	V	-
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Connector No.	E8
Connector Name	WIRE TO WIRE
Connector Type	ISAA3MB-RS10-S172



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

40	GR	-
41	O	-
42	V	-
43	R	- [With CVT]
43	LG	- [With M/T]
44	R	-
46	W	-
47	G	-
48	BR	-

Connector No.	E9
Connector Name	ENGINE R INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	LOZFB-MC



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

Connector No.	E10
Connector Name	ENGINE R INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	M0RFW-LC



5	4	3
8	7	6

Terminal No.	Color of Wire	Signal Name [Specification]
3	BR	-
4	P	-
5	LG	-
6	SB	-
7	Y	-
8	V	-

Connector No.	E11
Connector Name	ENGINE R INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	M0RFB-LC



11	10	9
14	13	12

Terminal No.	Color of Wire	Signal Name [Specification]
9	B/W	-
10	L	-
13	W	-

Connector No.	E12
Connector Name	ENGINE R INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	NS3BFBR-CS



17	16	15
22	21	20
19	18	18

Terminal No.	Color of Wire	Signal Name [Specification]
18	Y	-
19	B/W	-
21	W	-
22	V	-

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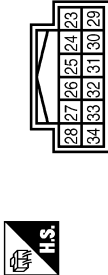
POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

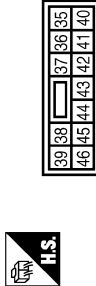
BATTERY POWER SUPPLY

Connector No.	E13
Connector Name	BW4-E INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	TH12FW-NH



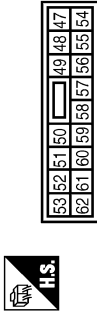
Terminal No.	Color of Wire	Signal Name [Specification]
24	LG	-
25	Y	-
26	P	-
27	L	-
28	P	-
30	SB	-
31	W	-
33	O	-
34	R	-

Connector No.	E14
Connector Name	BW4-E INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	NS12FBR-CS



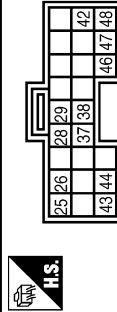
Terminal No.	Color of Wire	Signal Name [Specification]
36	Y	-
37	V	-
38	G	-
39	V	-
40	R	-
41	SB	-
43	G	-
44	P	-
45	Y	-
46	O	-

Connector No.	E15
Connector Name	BW4-E INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	NS12FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
47	BR	-
49	W	-
50	GR	-
51	R	-
52	P	-
54	GR	-
55	P	-
56	SB	-
57	G	- [Wh, GV7]
58	R	- [Wh, M/T]
59	Y	-
60	V	-
61	W	-
62	L	-

Connector No.	E19
Connector Name	TCM (TRANSMISSION CONTROL MODULE)
Connector Type	TK24EGY



Terminal No.	Color of Wire	Signal Name [Specification]
25	B	-
26	LG	-
28	Y	-
29	W	-
37	P	-
38	V	-
42	R	-

43	SB	-
44	L	-
46	BR	-
47	LG	-
48	B	-

Connector No.	E26
Connector Name	HEADLAMP LH
Connector Type	NQ03FB



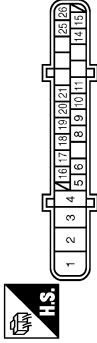
Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
2	B/R	-
3	R	-

Connector No.	E30
Connector Name	FRONT FOG LAMP LH
Connector Type	FC124P-C023S4019



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

Connector No.	E36
Connector Name	HSF ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT)
Connector Type	BAA2FEB-AH24-RH



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	GND (MTR)
2	Y	BAT (MTR)
3	L	BAT (SOL)
4	B	GND (SOL)
5	Y	DS FL
6	W	DP RL
8	O	DP RR
9	L	DS FR
10	R	DS RR
11	LG	K LINE
14	GR	CAN-L
15	P	CAN-L
16	BR	DP FL
17	G	DS RL
18	V	IGN
19	SB	DS RR
20	W	STOP LAMP SW
21	P	VDC OFF SW
25	R	CAN-H
26	L	CAN-H

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY

Connector No.	E46
Connector Name	HEADLAMP RH
Connector Type	NG03FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	R	- [With daytime running light system]
2	B/Y	- [Without daytime running light system]
3	SB	- [With daytime running light system]
3	P	- [Without daytime running light system]

Connector No.	E48
Connector Name	FRONT FOG LAMP RH
Connector Type	FC1 240PC023S4019



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

Connector No.	E57
Connector Name	DAYTIME RUNNING LIGHT RELAY-1
Connector Type	MS03FB-M2-LC



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

Connector No.	E59
Connector Name	DAYTIME RUNNING LIGHT RELAY-2
Connector Type	MS02FL-M2-LC



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

Connector No.	E64
Connector Name	OPTION CONNECTOR (FRONT FOG LAMP LH)
Connector Type	FC1 240PC023S4019



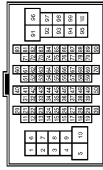
Terminal No.	Color of Wire	Signal Name [Specification]
1	V	-
2	B/W	-

Connector No.	E69
Connector Name	OPTION CONNECTOR (FRONT FOG LAMP RH)
Connector Type	FC1 240PC023S4019



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

Connector No.	E105
Connector Name	WIRE TO WIRE
Connector Type	THE8MW-C316-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	-
2	W	-
3	SB	-
4	G	-
5	P	-
6	L	- [With NAVI]
6	R	- [Without NAVI]
7	Y	-
8	O	-
9	W	-
10	SB	-
31	V	-
32	R	-
33	GR	-
34	P	-
35	Y	-
36	BR	-
39	SB	-
44	R	-
45	V	-

46	P	-
48	L	-
51	BR	- [With CVT]
51	B	- [With M/T]
53	SB	-
54	W	- [With CVT]
54	O	- [With M/T]
57	LG	-
59	L	-
60	O	-
61	G	-
62	W	-
63	L	-
67	GR	- [With CVT]
67	V	- [With M/T]
69	P	-
70	SHIELD	-
71	GR	-
72	LG	-
73	P	-
74	V	-
76	Y	-
77	LG	-
78	O	-
79	G	-
80	P	-
81	L	-
82	W	-
83	BR	-
84	B	-
87	GR	-
91	W	-
92	Y	-
93	Y	-
94	R	-
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POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

BATTERY POWER SUPPLY

Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	LOPE-MC



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

Connector No.	E114
Connector Name	STOP LAMP SWITCH
Connector Type	MD2FB-LC



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

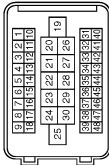
Connector No.	E115
Connector Name	STOP LAMP SWITCH
Connector Type	MD2FW-LC



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

3	O	
4	G	

Connector No.	F1
Connector Name	WIRE TO WIRE
Connector Type	ISA438FB-R10-SJ22



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

39	G	
40	P	
41	O	
42	O	
43	R	
44	P	
46	GR	
47	Y	
48	BR	

Connector No.	F3
Connector Name	BATTERY TERMINAL WITH FUSIBLE LINK
Connector Type	



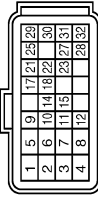
Terminal No.	Color of Wire	Signal Name [Specification]
5	B/R	

Connector No.	F5
Connector Name	BATTERY TERMINAL WITH FUSIBLE LINK
Connector Type	



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

Connector No.	F7
Connector Name	ECM
Connector Type	RH24FCY-R25-R-RH



Terminal No.	Color of Wire	Signal Name [Specification]
1	P	
2	SB	MOTOR 1
3	V	VMOT
4	L	VSCV
5	G	MOTOR 2
6	W	O2HR
7	R	SOV 1
8	G	SOV 2
9	P	AF HEATER GND
10	B	EVAP
11	GR	GND
12	GR	GNDA-TO
14	L	NEUT-H
15	Y	MOTRLY
17	R	IGN#1
18	LG	IGN#2
21	G	IGN#4
22	SB	IGN#3
23	GR	FFR
25	V	IN#4
27	R	TO
28	SB	CDCV [For California]
28	W	CDCV [Except for California]
29	Y	IN#3
30	O	IN#2
31	L	IN#1
32	P	SSOFF

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY

Connector No.	F8
Connector Name	ECM
Connector Type	RH40FB-R28-L-RH

33	37	41	45	49	53	57	61	65	69	73	77
34	38	42	46	50	54	58	62	66	70	74	78
35	39	43	47	51	55	59	63	67	71	75	
36	40	44	48	52	56	60	64	68	72	76	



Terminal No.	Color of Wire	Signal Name [Specification]
33	LG	TFS 1
34	R	TFS 2
35	V	SCVPOS
36	Y	GNDA-TFS
37	W	WIK
38	BR	TW
40	SHIELD	GNDA-KNK
41	GR	PDPRES
42	V	FTPRES
43	P	TF
44	GR	GNDA-TW
45	G	OA+
46	L	TA
47	LG	GNDA-SCVPOS
48	BR	GNDA-PDPRES
49	V	AF+
50	W	GNDA-FTPRES
51	Y	OA-
52	R	AF-
53	LG	GNDA-TA
54	P	CURSEN
55	GR	CURSEN
59	O	GNDA-C2SR
61	W	POS
62	B	GNDA-CURSEN
63	L	GNDA-CURSEN
64	SB	GNDA-CURSEN
65	Y	PHASE
66	L	BATT
69	SB	AVCC-SCVPOS
71	Y	AVCC-CURSEN
72	O	AVCC-TFS
73	P	CVTC
74	W	AVCC-PDPRES
75	R	AVCC-POS
76	LG	AVCC-FTPRES
78	G	AVCC-PHASE

Connector No.	F11
Connector Name	STARTER MOTOR
Connector Type	-



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

Connector No.	F14
Connector Name	ALTERNATOR
Connector Type	-



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

Connector No.	F15
Connector Name	ALTERNATOR
Connector Type	HS0FB



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

Connector No.	M1
Connector Name	FUSE BLOCK (L/R)
Connector Type	-



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

Connector No.	M28
Connector Name	NATS ANTENNA AMP.
Connector Type	TH04FW-NH



Terminal No.	1
Color of Wire	Y
Signal Name [Specification]	BAT
Terminal No.	2
Color of Wire	P/L
Signal Name [Specification]	CLK
Terminal No.	3
Color of Wire	LG
Signal Name [Specification]	DATA [With Intelligent Key]
Terminal No.	3
Color of Wire	B
Signal Name [Specification]	GND [With Intelligent Key]
Terminal No.	4
Color of Wire	B
Signal Name [Specification]	GND [With Intelligent Key]
Terminal No.	4
Color of Wire	LG
Signal Name [Specification]	DATA [Without Intelligent Key]

Connector No.	M31
Connector Name	COMBINATION METER
Connector Type	TH06FW-NH



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

Terminal No.	1
Color of Wire	L
Signal Name [Specification]	CAN-H
Terminal No.	2
Color of Wire	P
Signal Name [Specification]	CAN-L
Terminal No.	3
Color of Wire	V
Signal Name [Specification]	VEHICLE SPEED SIGNAL (2-PULSE)
Terminal No.	4
Color of Wire	L
Signal Name [Specification]	VEHICLE SPEED SIGNAL (8-PULSE)
Terminal No.	6
Color of Wire	BR/Y
Signal Name [Specification]	FUEL LEVEL SENSOR SIGNAL
Terminal No.	7
Color of Wire	R/G
Signal Name [Specification]	AIR BAG SIGNAL
Terminal No.	8
Color of Wire	P
Signal Name [Specification]	OVERDRIVE CONTROL SWITCH SIGNAL
Terminal No.	9
Color of Wire	O
Signal Name [Specification]	SEAT BELT BUCKLE SWITCH SIGNAL (DRIVER SIDE)
Terminal No.	10
Color of Wire	SB
Signal Name [Specification]	PARKING BRAKE SWITCH SIGNAL
Terminal No.	11
Color of Wire	G/R
Signal Name [Specification]	BRAKE FLUID LEVEL SWITCH SIGNAL
Terminal No.	13
Color of Wire	B/R
Signal Name [Specification]	ILLUMINATION CONTROL SIGNAL
Terminal No.	15
Color of Wire	L/Y
Signal Name [Specification]	A/C POWER SUPPLY
Terminal No.	17
Color of Wire	G
Signal Name [Specification]	WASHER LEVEL SWITCH SIGNAL
Terminal No.	18
Color of Wire	R/Y
Signal Name [Specification]	SECURITY SIGNAL
Terminal No.	19
Color of Wire	V/W
Signal Name [Specification]	AMBIENT SENSOR SIGNAL
Terminal No.	20
Color of Wire	R/W
Signal Name [Specification]	AMBIENT SENSOR GROUND
Terminal No.	21
Color of Wire	B
Signal Name [Specification]	GROUND
Terminal No.	22
Color of Wire	B
Signal Name [Specification]	GROUND
Terminal No.	23
Color of Wire	B
Signal Name [Specification]	GROUND
Terminal No.	24
Color of Wire	V
Signal Name [Specification]	FUEL LEVEL SENSOR GROUND
Terminal No.	25
Color of Wire	B
Signal Name [Specification]	VDC GROUND
Terminal No.	27
Color of Wire	LG
Signal Name [Specification]	BATTERY POWER SUPPLY
Terminal No.	28
Color of Wire	GR
Signal Name [Specification]	IGNITION SIGNAL
Terminal No.	29
Color of Wire	BR
Signal Name [Specification]	PASSENGER SEAT BELT WARNING SIGNAL
Terminal No.	31
Color of Wire	R
Signal Name [Specification]	A/C AUTO AMP. CONNECTION RECOGNITION SIGNAL
Terminal No.	35
Color of Wire	BR
Signal Name [Specification]	ENGINE COOLANT TEMPERATURE SIGNAL
Terminal No.	38
Color of Wire	GR
Signal Name [Specification]	ALTERNATOR SIGNAL

Connector No.	M38
Connector Name	EPS CONTROL UNIT
Connector Type	LO2FB-UH



17
18

Terminal No.	17
Color of Wire	R
Signal Name [Specification]	BAT
Terminal No.	18
Color of Wire	B
Signal Name [Specification]	GND

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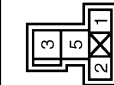
POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

BATTERY POWER SUPPLY

Connector No.	M48
Connector Name	HEATED SEAT RELAY
Connector Type	MS02FL-MZ-LC



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

Connector No.	M50
Connector Name	A/C AUTO AMP.
Connector Type	TK20FGY



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	ILLUMINATION POWER SUPPLY
2	R	A/C AUTO AMP. CONNECTION RECOGNITION SIGNAL
3	R	INTAKE DOOR MOTOR PREP POWER SUPPLY
4	LG	BATTERY POWER SUPPLY
5	O	IGNITION POWER SUPPLY
6	R/W	SENSOR GROUND
9	Y	IGNITION POWER SUPPLY
11	B/R	ILLUMINATION GROUND
12	L	FRE DRIVE SIGNAL
13	G	REC DRIVE SIGNAL
16	B	GROUND
17	BR	A/MIX DRIVE SIGNAL 4
18	SB	A/MIX DRIVE SIGNAL 3
19	GR	A/MIX DRIVE SIGNAL 2
20	P	A/MIX DRIVE SIGNAL 1

Connector No.	M67
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	FEA09FB-FHA6-SA



Terminal No.	Color of Wire	Signal Name [Specification]
56	L	INTERIOR ROOM LAMP POWER SUPPLY
57	Y	BAT (FUSE)
59	L/B	DRIVER DOOR UNLOCK OUTPUT
60	W/B	TURN SIGNAL LH OUTPUT
61	W/L	TURN SIGNAL RH OUTPUT
63	BR	ROOM LAMP TIMER CONTROL
65	V	ALL DOOR LOCK OUTPUT
66	G	PASSENGER DOOR, REAR DOOR UNLOCK OUTPUT
67	B	IGN. GND.
68	L	POWER WINDOW POWER SUPPLY (IGN)
69	L/W	POWER WINDOW POWER SUPPLY (BAT)
70	Y	BAT (F/L)

Connector No.	M70
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	FEA09FW-FHA6-SA



Terminal No.	Color of Wire	Signal Name [Specification]
56	L	INTERIOR ROOM LAMP POWER SUPPLY
57	Y	BAT (FUSE)
59	G	PASSENGER DOOR UNLOCK OUTPUT
60	W/B	TURN SIGNAL LH OUTPUT
61	W/L	TURN SIGNAL RH OUTPUT
63	BR	ROOM LAMP TIMER CONTROL
65	V	ALL DOOR LOCK OUTPUT
66	L/B	DRIVER DOOR UNLOCK OUTPUT
67	B	IGN. GND.
68	L	POWER WINDOW POWER SUPPLY (IGN)

69	L/W	POWER WINDOW POWER SUPPLY (BAT)
70	Y	BAT (F/L)

Connector No.	M71
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
75	SB	DRIVER DOOR REQUEST SW
76	L/O	PUSH SW
78	LG	DRIVER DOOR ANT+
79	V	DRIVER DOOR ANT-
80	BR/Y	PASSENGER DOOR ANT+
81	L/Y	PASSENGER DOOR ANT-
82	W/B	BACK DOOR ANT+
83	B/W	BACK DOOR ANT-
84	Y/G	ROOM ANT-
85	Y/L	ROOM ANT-
86	P	LUGGAGE ROOM ANT+
87	L	LUGGAGE ROOM ANT-
90	W/L	PUSH-BUTTON IGNITION SW ILL POWER
91	Y	ACC/ON IND.
92	BR/R	PUSH-BUTTON IGNITION SW ILL GND
93	GR/W	F-KEY WARN BUZZER
96	BR/W	ACC RELAY COIT
97	L/R	STARTER RELAY COIT
98	BR	IGN RELAY (IPDM E/R) COIT
99	W/R	IGN RELAY COIT
100	G	PASSENGER DOOR REQUEST SW
102	G	SHIFT IN/P
104	Y/R	CVT SHIFT SELECTOR POWER SUPPLY
105	B/O	STOP LAMP SW 2
106	Y/B	BLOWER FAN MOTOR RELAY COIT

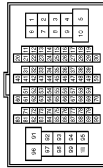
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY

Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	TH80FN-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	B/O	
2	R	
3	G/R	
4	G/B	
5	L	
6	L	
7	W/R	
8	G/W	
9	Y/L	
10	W	
31	GR/L	
32	L/B	
33	R/Y	
34	SB	
35	BR	
36	G	
39	L/R	
44	G/O	
45	LG/R	
46	GF/W	
48	L/O	
51	R/W	
53	R/L	
54	O	
57	GR	
58	V	
60	R/W	
61	V/W	
62	W/L	
63	W/B	
67	Y/R	
69	LG	
70	SHIELD	
71	P/B	
72	R/G	
73	R	
74	L/Y	
76	W/G	

77	GR/R	--	
78	O	--	
79	LG	--	
80	P	--	
81	L	--	
82	GR	--	
83	G/R	--	
84	B	--	
87	G	--	
91	R	--	
92	O	--	
93	Y	--	
94	R/B	--	
95	L/W	--	
96	Y	--	
97	L	--	
98	BR/W	--	
99	W	--	
100	G/R	--	

Connector No.	M78
Connector Name	WIRE TO WIRE
Connector Type	L02MB-MC



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

Connector No.	M101
Connector Name	PUSH-BUTTON IGNITION SWITCH
Connector Type	TK08FBR



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

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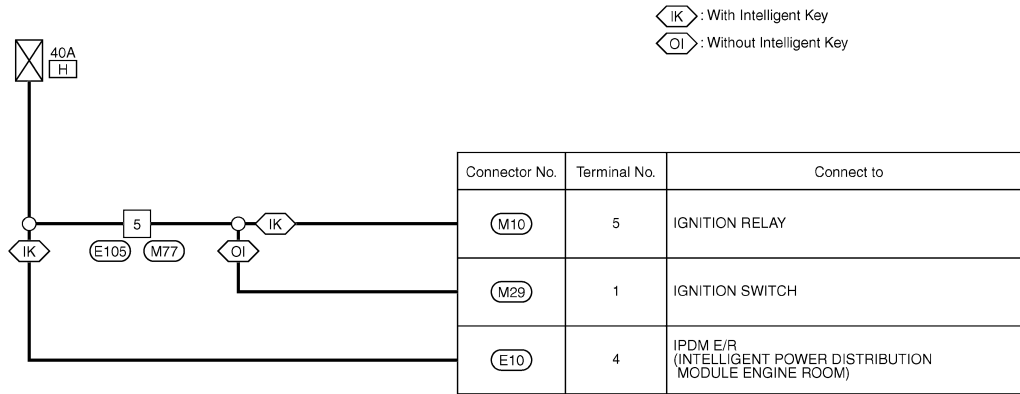
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

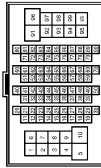
BATTERY POWER SUPPLY FUSIBLE LINK No. H

Connector No.	E10
Connector Name	SMALL INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	MODFW-LC



Terminal No.	Color of Wire	Signal Name [Specification]
3	BR	-
4	P	-
5	LG	-
6	SB	-
7	Y	-
8	V	-

Connector No.	E105
Connector Name	WIRE TO WIRE
Connector Type	THROMV-CS18-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	-
2	W	-
3	SB	-
4	G	-
5	P	-
6	L	- [With NAV]
7	Y	- [Without NAV]
8	O	-
9	W	-
10	SB	-
31	V	-
32	R	-
33	GR	-
34	P	-
35	Y	-

36	BR	-
38	SB	-
44	R	-
45	V	-
46	P	-
48	L	-
51	BR	- [With CVT]
51	B	- [With M/T]
53	SB	-
54	W	- [With CVT]
54	O	- [With M/T]
57	LG	-
59	L	-
60	O	-
61	G	-
62	W	-
63	L	-
67	GR	- [With CVT]
67	V	- [With M/T]
69	P	-
70	SHIELD	-
71	GR	-
72	LG	-
73	P	-
74	V	-
76	Y	-
77	LG	-
78	O	-
79	G	-
80	P	-
81	L	-
82	W	-
83	BR	-
84	B	-
87	GR	-
91	W	-
92	Y	-
93	Y	-
94	R	-
95	V	-
96	LG	-
97	R	-
98	SB	-
99	G	-
100	P	-

Connector No.	M10
Connector Name	IGNITION RELAY
Connector Type	MS22FL-M2-LC



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

Connector No.	M29
Connector Name	IGNITION SWITCH
Connector Type	MODFW-LC



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

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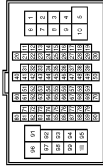
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSIBLE LINK No. H

Connector No.	W77
Connector Name	WIRE TO WIRE
Connector Type	THB07V-C516-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	B/O	-
2	R	-
3	G/R	-
4	G/B	-
5	L	-
6	L	-
7	W/R	-
8	G/W	-
9	Y/L	-
10	W	-
31	GR/L	-
32	L/B	-
33	R/Y	-
34	SB	-
35	BR	-
36	G	-
39	L/R	-
44	G/O	-
45	LG/R	-
46	GR/W	-
48	L/O	-
51	B/W	-
52	R/L	-
54	O	-
57	GR	-
59	V	-
60	R/W	-
61	V/W	-
62	W/L	-
63	W/B	-
67	Y/R	-
69	LG	-
70	SHIELD	-
71	P/B	-
72	R/G	-
73	R	-
74	L/Y	-
76	W/G	-

77	GR/R	-
78	O	-
79	LS	-
80	P	-
81	L	-
82	GR	-
83	G/R	-
84	B	-
87	G	-
91	R	-
92	O	-
93	Y	-
94	R/B	-
95	L/W	-
96	Y	-
97	L	-
98	BR/W	-
99	W	-
100	G/R	-

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POWER SUPPLY ROUTING CIRCUIT



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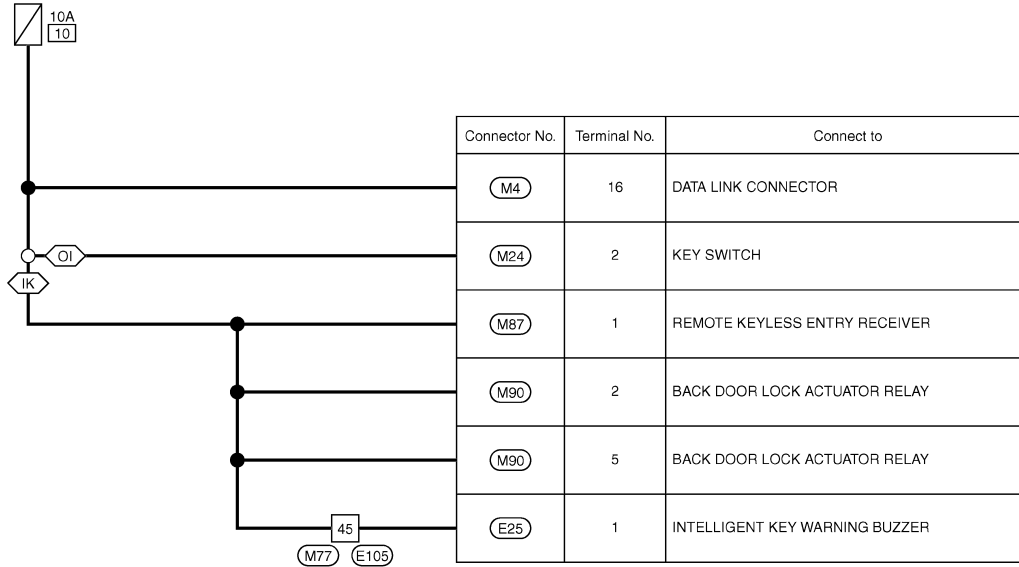
[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 10 -

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BATTERY POWER SUPPLY FUSE No. 10

 : With Intelligent Key
 : Without Intelligent Key



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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

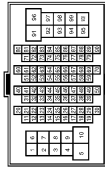
BATTERY POWER SUPPLY FUSE No. 10

Connector No.	E26
Connector Name	INTELLIGENT KEY WARNING BUZZER
Connector Type	RK03FER



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

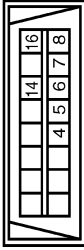
Connector No.	E105
Connector Name	WIRE TO WIRE
Connector Type	TH080MW-CS (E-TM4)



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	-
2	W	-
3	SB	-
4	G	-
5	P	-
6	L	- [With NAVI]
7	R	- [Without NAVI]
8	Y	-
9	O	-
10	SB	-
31	V	-
32	R	-
33	GR	-
34	P	-
35	Y	-
36	BR	-
39	SB	-
44	R	-
45	V	-

46	P	-
48	L	-
51	BR	- [With CVT]
51	SB	- [With M/T]
53	SB	-
54	W	- [With CVT]
54	O	- [With M/T]
57	LG	-
59	L	-
60	O	-
61	G	-
62	W	-
63	L	-
67	GR	- [With CVT]
67	V	- [With M/T]
69	P	-
70	SHIELD	-
71	GR	-
72	LG	-
73	P	-
74	V	-
76	Y	-
77	LG	-
78	O	-
79	G	-
80	P	-
81	L	-
82	W	-
83	BR	-
84	B	-
87	GR	-
91	W	-
92	Y	-
93	Y	-
94	R	-
95	V	-
96	LG	-
97	R	-
98	SB	-
99	G	-
100	P	-

Connector No.	M4
Connector Name	DATA LINK CONNECTOR
Connector Type	BD16FW



Terminal No.	Color of Wire	Signal Name [Specification]
4	B	-
5	B	-
6	L	-
7	GR/R	-
8	O	-
14	P	-
16	LC/R	-

Connector No.	M24
Connector Name	KEY SWITCH
Connector Type	TK08MGY



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

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE No. 10

Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	B/O	
2	R	
3	G/R	
4	G/B	
5	L	
6	L	
7	W/R	
8	G/W	
9	Y/L	
10	W	
31	GR/L	
32	L/B	
33	R/Y	
34	SB	
35	BR	
36	G	
39	L/R	
44	G/O	
45	LG/R	
46	GF/W	
48	L/O	
53	R/W	
53	R/L	
54	O	
57	GR	
58	V	
60	R/W	
61	V/W	
62	W/L	
63	W/B	
67	Y/R	
69	LG	
70	SHIELD	
71	P/B	
72	R/G	
73	R	
74	L/Y	
76	W/G	

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

77	GR/R	
78	O	
79	LG	
80	P	
81	L	
82	GR	
83	G/R	
84	B	
87	G	
91	R	
92	O	
93	Y	
94	R/B	
95	L/W	
96	Y	
97	L	
98	BR/W	
99	W	
100	G/R	

Connector No.	M87
Connector Name	REMOTE KEYLESS ENTRY RECEIVER
Connector Type	TH80FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	POWER
2	G/Y	SIGNAL
4	V	GND

Connector No.	M90
Connector Name	BACK DOOR LOCK ACTUATOR RELAY
Connector Type	MS08FE-M2-LC



JCMWN0420GB

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POWER SUPPLY ROUTING CIRCUIT

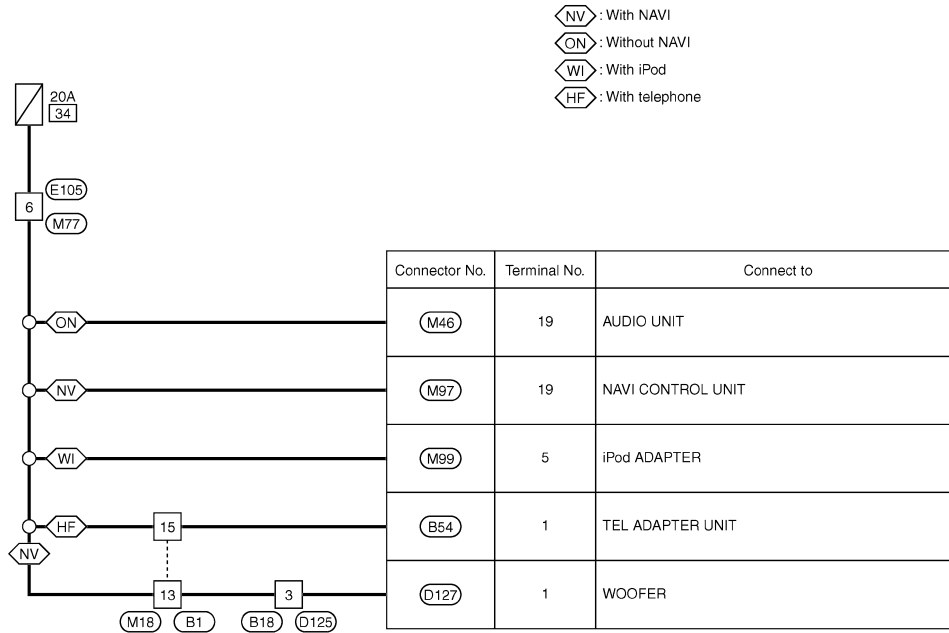
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 34 -

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BATTERY POWER SUPPLY FUSE No. 34



2010/10/14

JCMWN0421GB

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	NS16MW-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	G	-
3	V	-
4	L	-
5	Y	-
6	W	-
7	LG	-
8	GR	-
9	SB	-
10	W	-
11	G	-
12	V	-
13	BR	-
15	R	-
16	GR	-

Connector No.	B18
Connector Name	WIRE TO WIRE
Connector Type	NH10MW-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	V	-
3	BR	-
5	R	-
6	P	-
7	B	- [With Intelligent Key]
7	G	- [Without Intelligent Key]
8	SHIELD	-
9	R	-

10	Y	-
11	G	-
12	W	-
13	O	-
14	BR	-
15	Y	-
16	L	-
17	R	-
18	B	-
20	LG	-

Connector No.	B54
Connector Name	TEL ADAPTER UNIT
Connector Type	TH43FW-NH



2	4	8	10	12	14	18	20	24	28		
1	3	7	9	11	13	17	19	21	23	27	29

Terminal No.	Color of Wire	Signal Name [Specification]
1	R	BATTERY
2	L	ACC
3	LG	IGNITION
4	B	GND
7	L	MICROPHONE SIGNAL
8	SHIELD	MICROPHONE SIGNAL GND
9	BR	SOUND SIGNAL (+)
10	Y	SOUND SIGNAL (-)
11	SB	TEL ON SIGNAL
12	W	STRG SW A
13	SB	STRG SW B
14	GR	STRG SW GND
17	GR	STRG SW A
18	P	STRG SW B
19	L	STRG SW GND
20	B	CONTROL SIGNAL
21	B	CONTROL SIGNAL
22	B	CONTROL SIGNAL
23	B	CONTROL SIGNAL
24	B	CONTROL SIGNAL
27	B	CONTROL SIGNAL
28	O	VEHICLE SPEED (2-PUL SE)
29	R	MICROPHONE VCC

Connector No.	D125
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	Y	-
3	SB	-
5	GR	-
6	G	-
7	GR	-
8	SHIELD	-
9	R	-
10	Y	-
11	G	-
12	BR	-
13	W	-
14	BR	-
15	Y	-
16	L	-
17	R	-
18	L	-
20	LG	-

Connector No.	D127
Connector Name	WOOFER
Connector Type	NS08FW-CS



1	2	
3	4	6

Terminal No.	Color of Wire	Signal Name [Specification]
1	SB	BATTERY
2	BR	SOUND SIGNAL WOOFER (+)
3	B	GND
4	Y	WOOFER AMP ON SIGNAL
6	R	SOUND SIGNAL WOOFER (-)

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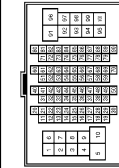
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE No. 34

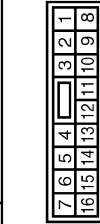
Connector No.	E105
Connector Name	WIRE TO WIRE
Connector Type	THB0MW-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	-
2	W	-
3	SB	-
4	G	-
5	P	-
6	L	- [With NAVI]
7	R	- [Without NAVI]
8	Y	-
9	O	-
10	W	-
11	SB	-
12	V	-
13	GR	-
14	GR	-
15	P	-
16	Y	-
17	BR	-
18	SB	-
19	R	-
20	R	-
21	V	-
22	GR	-
23	GR	-
24	P	-
25	Y	-
26	BR	-
27	SB	-
28	R	-
29	V	-
30	V	-
31	BR	- [With CVT]
32	B	- [With M/T]
33	SB	-
34	W	- [With CVT]
35	O	- [With M/T]
36	LG	-
37	LG	-
38	L	-
39	O	-
40	O	-
41	G	-
42	W	-
43	W	-
44	L	-
45	L	-
46	P	-
47	L	-
48	L	-
49	BR	- [With CVT]
50	B	- [With M/T]
51	SB	-
52	W	- [With CVT]
53	O	- [With M/T]
54	LG	-
55	LG	-
56	L	-
57	O	-
58	O	-
59	G	-
60	W	-
61	G	-
62	W	-
63	L	-
64	GR	- [With CVT]
65	V	- [With M/T]
66	P	-
67	V	-
68	P	-
69	SHIELD	-
70	SHIELD	-
71	GR	-

72	LG	-
73	P	-
74	V	-
75	Y	-
76	LG	-
77	O	-
78	G	-
79	G	-
80	P	-
81	L	-
82	W	-
83	BR	-
84	B	-
87	GR	-
91	W	-
92	Y	-
93	Y	-
94	R	-
95	V	-
96	LG	-
97	R	-
98	SB	-
99	G	-
100	P	-

Connector No.	M18
Connector Name	WIRE TO WIRE
Connector Type	NS16FY-CS



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

Terminal No.	16	GR	-
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Connector No.	M46
Connector Name	AUDIO UNIT
Connector Type	TH18FW-CS2



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

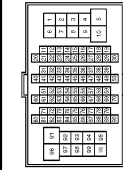
POWER SUPPLY ROUTING CIRCUIT

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[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE No. 34

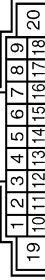
Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	B/O	-
2	R	-
3	G/R	-
4	G/B	-
5	L	-
6	L	-
7	W/R	-
8	G/W	-
9	Y/L	-
10	W	-
31	GR/L	-
32	L/B	-
33	R/Y	-
34	SB	-
35	BR	-
36	G	-
39	L/R	-
44	G/O	-
45	LG/R	-
46	GR/W	-
48	L/O	-
51	R/W	-
53	R/L	-
54	O	-
57	GR	-
58	V	-
60	R/W	-
61	V/W	-
62	W/L	-
63	W/B	-
67	Y/R	-
69	LG	-
70	SHIELD	-
71	P/B	-
72	R/G	-
73	R	-
74	L/Y	-
76	W/G	-

77	GR/R	-
78	O	-
79	LG	-
80	P	-
81	L	-
82	GR	-
83	G/R	-
84	B	-
87	G	-
91	R	-
92	O	-
93	Y	-
94	R/B	-
95	L/W	-
96	Y	-
97	L	-
98	BR/W	-
99	W	-
100	G/R	-

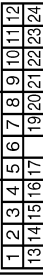
Connector No.	M87
Connector Name	NAVI CONTROL UNIT
Connector Type	TH18FW-OSZ



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y/B	WOOFER AMP ON SIGNAL
2	W	SOUND SIGNAL FRONT SPEAKER LH (+)
3	P	SOUND SIGNAL FRONT SPEAKER LH (-)
4	V	SOUND SIGNAL REAR SPEAKER LH (+)
5	R/B	SOUND SIGNAL REAR SPEAKER LH (-)
6	W/L	STRG SW A
7	L/Y	ACC
8	B/R	ILLUMINATION CONTROL SIGNAL (-)
9	W	ILLUMINATION CONTROL SIGNAL (+)
11	G	SOUND SIGNAL FRONT SPEAKER RH (+)
12	R	SOUND SIGNAL FRONT SPEAKER RH (-)
13	LG	SOUND SIGNAL REAR SPEAKER RH (+)
14	GR	SOUND SIGNAL REAR SPEAKER RH (-)
15	L/G	STRG SW GND
16	GR/R	STRG SW B
18	V/R	VEHICLE SPEED SIGNAL (6-PULSE)
19	L	BATTERY

20	B	GND
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Connector No.	M89
Connector Name	iPod ADAPTER
Connector Type	TH24FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	iPod SOUND SIGNAL LH (+)
2	B	iPod SOUND SIGNAL RH (+)
3	L/Y	ACC
4	LG	AV COMM (L)
5	L	BATTERY
6	GR	USB D+ SIGNAL
7	LG	USB D- SIGNAL
8	LG	iPod BATTERY CHARGE 12V
9	P	COMM (iPod-Adapter-iPod)
10	L	COMM (iPod-Adapter)
11	O	ACCESSORY IDENTIFY
12	G/R	iPod SOUND SIGNAL RH (+)
13	W	iPod SOUND SIGNAL LH (+)
14	G	iPod SOUND SIGNAL RH (-)
15	SHIELD	SHIELD
16	SB	AV COMM (H)
17	B	GND
19	SHIELD	SHIELD
20	BR	iPod BATTERY CHARGE 5V
21	W/B	iPod CONNECTION RECOGNITION
22	G/O	ACCESSORY DETECT
23	G/Y	iPod SOUND SIGNAL GND
24	G/O	iPod SOUND SIGNAL LH (+)

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POWER SUPPLY ROUTING CIRCUIT

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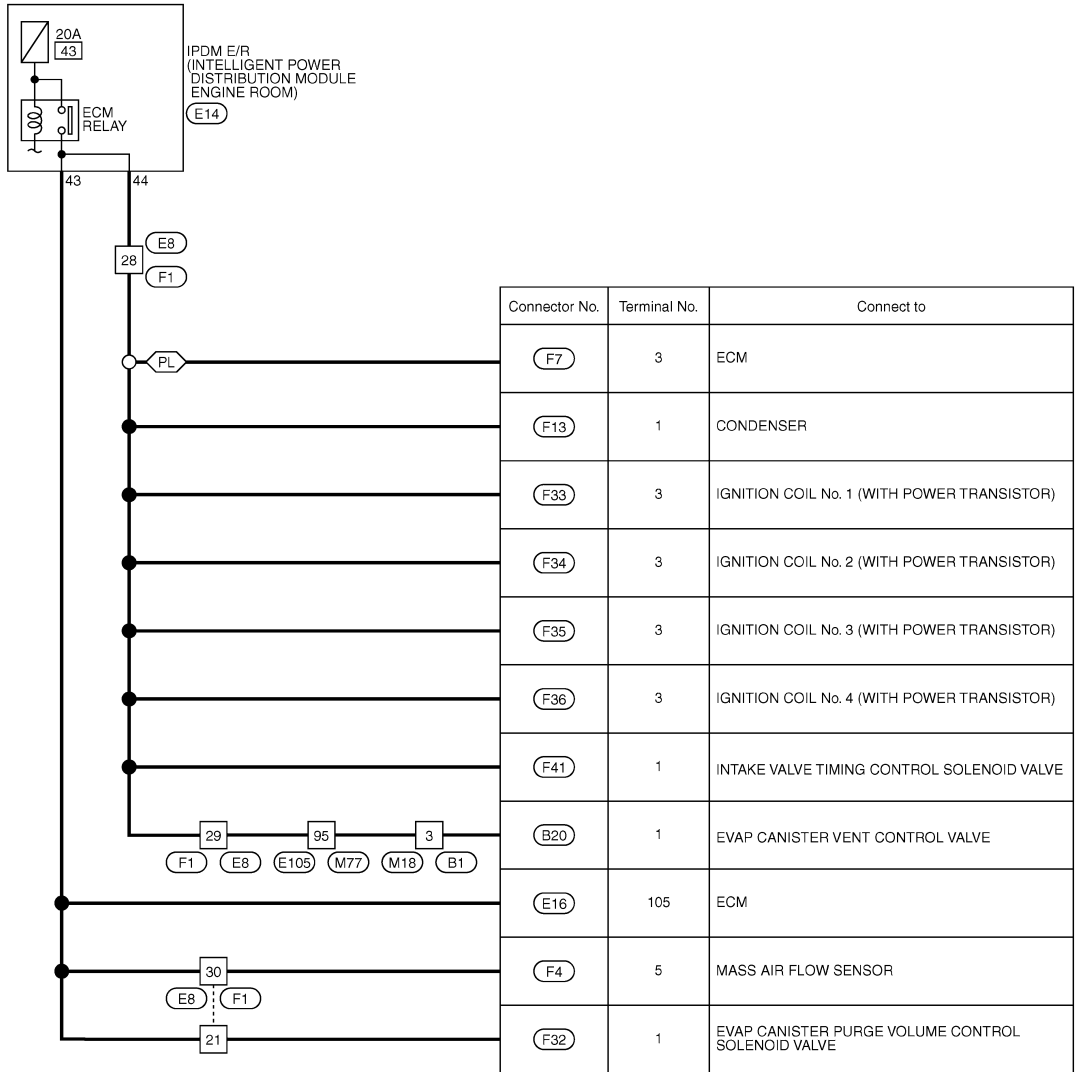
[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 43 -

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BATTERY POWER SUPPLY FUSE No. 43

⬡PL⬢ : For California



2010/10/14

JCMWN0425GB

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE No. 43

Connector No.	B1
Connector Name	WIRE TO WIRE
Connector Type	NS16MW-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	G	-
3	V	-
4	L	-
5	Y	-
6	W	-
7	LG	-
8	GR	-
9	SB	-
10	W	-
11	G	-
12	V	-
13	BR	-
15	R	-
16	GR	-

Connector No.	B20
Connector Name	EVAP CANISTER VENT CONTROL VALVE
Connector Type	ED2FE-RS



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

Connector No.	E8
Connector Name	WIRE TO WIRE
Connector Type	SAA38MB-RS10-SJZZ



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

43	R	- [With CVT]
43	LG	- [With M/T]
44	R	-
46	W	-
47	G	-
48	BR	-

Connector No.	E14
Connector Name	SPDLE P/ INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	NS12FBR-CS



39	38	37	36	35		
46	45	44	43	42	41	40

Terminal No.	Color of Wire	Signal Name [Specification]
36	Y	-
37	V	-
38	G	-
39	V	-
40	R	-
41	SB	-
43	G	-
44	P	-
45	Y	-
46	O	-

Connector No.	E16
Connector Name	EOM
Connector Type	RH24FB-R2B-L-RH



93	92	91	90	89	88	87	86	85																																				
84	83	82	81	80	79	78	77	76	75	74	73	72	71	70	69	68	67	66	65	64	63	62	61	60	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40

Terminal No.	Color of Wire	Signal Name [Specification]
83	P	CAN-L
84	L	CAN-H
88	LG	K LINE
93	L	IGNSW

94	SR	ASGDSW
95	BR	GND-ASGDSW [With CVT]
95	B	GND-ASGDSW [With M/T]
99	W	BRKSW
100	SB	AVCC-APS 2
102	O	AVCC-APS 2
103	G	APS 2
104	R	GND-APS 2
105	G	VBR
106	V	AVCC-APS 1
107	B	GND
108	B	GND
109	B	GND
110	BR	APS 1
111	Y	GND-APS 1
112	B	GND

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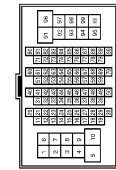
POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

BATTERY POWER SUPPLY FUSE No. 43

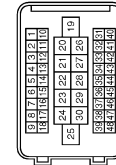
Connector No.	E105
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	-
2	W	-
3	SB	-
4	G	-
5	P	-
6	L	- [With MAV]
7	R	- [Without MAV]
8	Y	-
9	O	-
10	SB	-
31	V	-
32	R	-
33	GR	-
34	P	-
35	Y	-
36	BR	-
39	SB	-
44	R	-
45	V	-
46	P	-
48	L	-
51	BR	- [With CVT]
51	B	- [With M/T]
53	SB	-
54	W	- [With CVT]
54	O	- [With M/T]
57	LG	-
58	L	-
60	O	-
61	G	-
62	W	-
63	L	-
67	GR	- [With CVT]
67	V	- [With M/T]
68	P	-
70	SHIELD	-
71	GR	-

72	LG	-
73	P	-
74	V	-
76	Y	-
77	LG	-
78	O	-
79	G	-
80	P	-
81	L	-
82	W	-
83	BR	-
84	B	-
87	GR	-
91	W	-
92	Y	-
93	Y	-
94	R	-
95	V	-
96	LG	-
97	R	-
98	SB	-
99	G	-
100	P	-

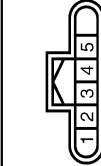
Connector No.	F1
Connector Name	WIRE TO WIRE
Connector Type	SAA36FB-RS10-SJ22



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

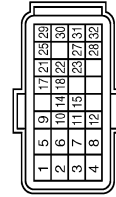
16	Y	-
17	P	-
18	BR	-
21	G	-
22	L	-
23	W	-
24	R	-
25	R	-
26	B	-
27	SB	-
28	V	-
29	V	-
30	BR	-
31	GR	-
32	GR	-
33	W	-
34	LG	-
35	V	-
36	Y	-
37	SB	- [For California]
37	W	- [Except for California]
39	G	-
40	P	-
41	O	-
42	G	-
43	R	-
44	P	-
46	GR	-
47	Y	-
48	BR	-

Connector No.	F4
Connector Name	MASS AIR FLOW SENSOR
Connector Type	RH06FB



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

Connector No.	F7
Connector Name	ECM
Connector Type	RH24FCY-R25-R-RH



Terminal No.	Color of Wire	Signal Name [Specification]
1	P	MOTOR 1
2	SB	VMOT
3	V	VMOT
4	L	MOTOR 2
5	G	O2HR
6	W	SOV 1
7	R	SOV 2
8	G	AF HEATER GND
9	P	EVAP GND
11	B	GND
12	GR	GND
14	L	NEUT-H
15	Y	MOTRLY
17	R	IGN#1
18	LG	IGN#2
21	G	IGN#4
22	SB	IGN#3
23	GR	FFR
25	V	IN#4
27	R	TO
28	SB	CDCV [For California]
28	W	CDCV [Except for California]
29	Y	IN#3
30	O	IN#2
31	L	IN#1
32	P	SSOFF

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE No. 43

Connector No.	F13
Connector Name	CONDENSER
Connector Type	MD2FW-LC



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

Connector No.	F32
Connector Name	MAP GAUGE PULSE VOLUME CONTROL SOLENOID VALVE
Connector Type	ED0FL-RS-LGY



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

Connector No.	F33
Connector Name	IGNITION COIL No. 1 (WITH POWER TRANSISTOR)
Connector Type	ED0FGY-RS



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

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

Connector No.	F34
Connector Name	IGNITION COIL No. 2 (WITH POWER TRANSISTOR)
Connector Type	ED0FGY-RS



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

Connector No.	F35
Connector Name	IGNITION COIL No. 3 (WITH POWER TRANSISTOR)
Connector Type	ED0FGY-RS



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

Connector No.	F36
Connector Name	IGNITION COIL No. 4 (WITH POWER TRANSISTOR)
Connector Type	ED0FGY-RS



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

Connector No.	F41
Connector Name	INTAKE VALVE TIMING CONTROL SOLENOID VALVE
Connector Type	ED0FG-RS-LGY



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

Connector No.	M18
Connector Name	WIRE TO WIRE
Connector Type	MS16FW-CS



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

3	L/W	-
4	L	-
5	V	-
6	L/B	-
7	LG	-
8	GR	-
9	SB	-
10	W/L	-
11	G	-
12	V	-
13	L	-
15	L	-
16	GR	-

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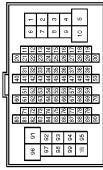
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE No. 43

Connector No.	W77
Connector Name	WIRE TO WIRE
Connector Type	THB07V-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	B/O	-
2	R	-
3	G/R	-
4	G/B	-
5	L	-
6	L	-
7	W/R	-
8	G/W	-
9	Y/L	-
10	W	-
31	GR/L	-
32	L/B	-
33	R/Y	-
34	SB	-
35	BR	-
36	G	-
39	L/R	-
44	G/O	-
45	LG/R	-
46	GR/W	-
48	L/O	-
51	B/W	-
52	R/L	-
54	O	-
57	GR	-
59	V	-
60	R/W	-
61	V/W	-
62	W/L	-
63	W/B	-
67	Y/R	-
69	LG	-
70	SHIELD	-
71	P/B	-
72	R/G	-
73	R	-
74	L/Y	-
76	W/G	-

77	GR/R	-
78	O	-
79	LS	-
80	P	-
81	L	-
82	GR	-
83	G/R	-
84	B	-
87	G	-
91	R	-
92	O	-
93	Y	-
94	R/B	-
95	L/W	-
96	Y	-
97	L	-
98	BR/W	-
99	W	-
100	G/R	-

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POWER SUPPLY ROUTING CIRCUIT

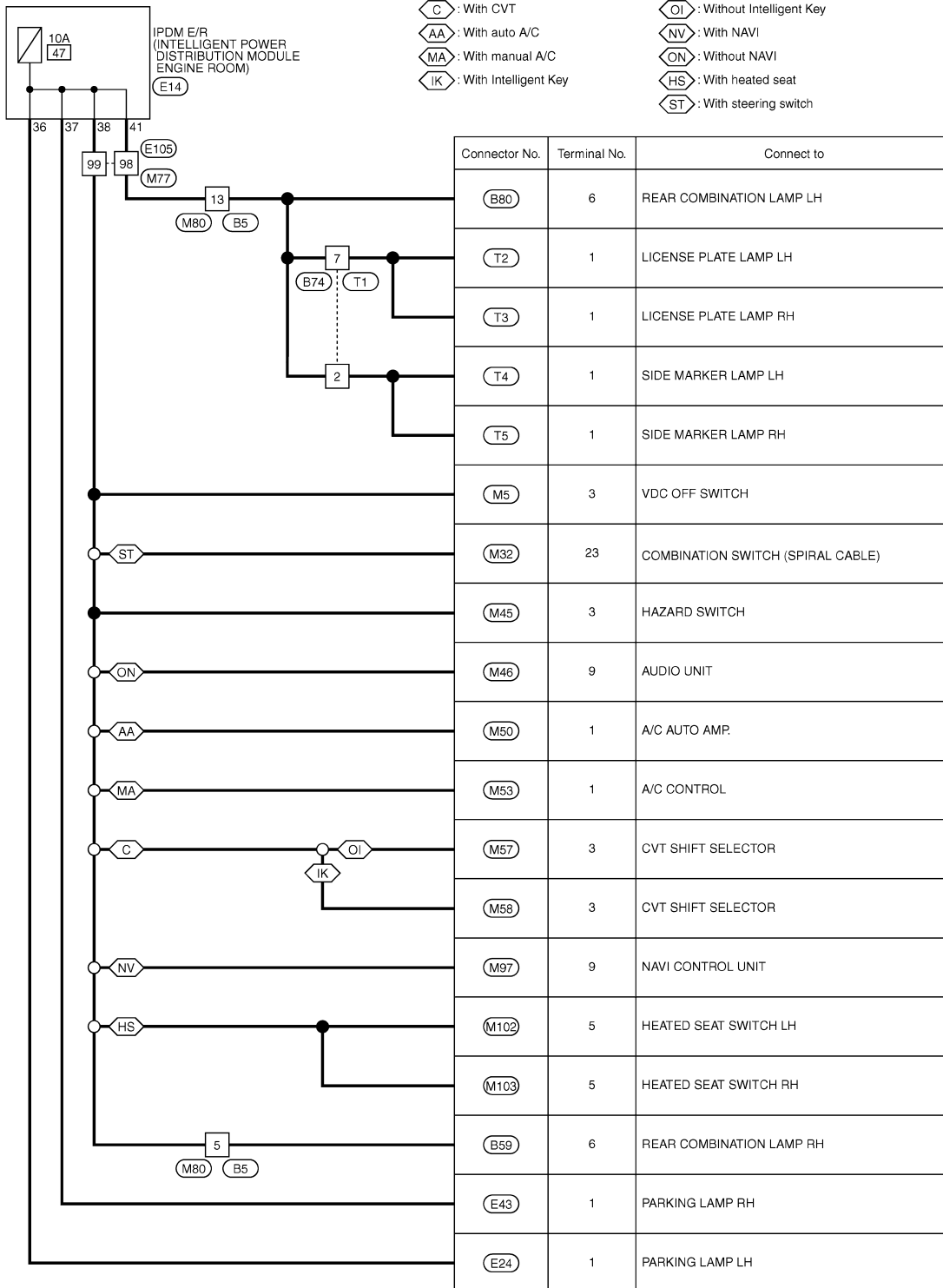
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 47 -

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BATTERY POWER SUPPLY FUSE No. 47



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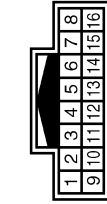
POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

BATTERY POWER SUPPLY FUSE No. 47

Connector No.	B5
Connector Name	WIRE TO WIRE
Connector Type	TH16MW-NH



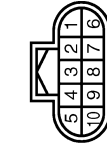
Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	GR	-
3	W	-
4	W	-
5	W	-
6	W	-
7	W	-
8	LG	-
9	R	-
11	O	-
13	GR	-
14	P	-
16	W	-

Connector No.	E59
Connector Name	REAR COMBINATION LAMP RH
Connector Type	RS06FB-PR



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

Connector No.	B74
Connector Name	WIRE TO WIRE
Connector Type	RT10FB



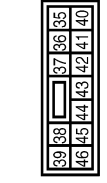
Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
2	GR	-
3	B	-
4	B	-
5	GR	-
6	B	-
7	GR	-

Connector No.	B80
Connector Name	REAR COMBINATION LAMP LH
Connector Type	RS06FB-PR



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

Connector No.	E14
Connector Name	ENGINE INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	NS12FB-CS



Terminal No.	Color of Wire	Signal Name [Specification]
38	Y	-
37	V	-
38	G	-
39	V	-
40	R	-
41	SB	-
43	G	-
44	P	-
45	Y	-
48	O	-

Connector No.	E24
Connector Name	PARKING LAMP LH
Connector Type	RK02FB



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

Connector No.	E43
Connector Name	PARKING LAMP RH
Connector Type	RK02FB



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

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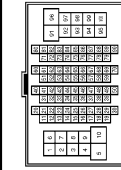
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

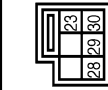
BATTERY POWER SUPPLY FUSE No. 47

Connector No.	E105
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS (F-TM4)



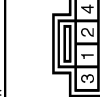
Terminal No.	Color of Wire	Signal Name [Specification]
1	V	-
2	W	-
3	SB	-
4	G	-
5	P	-
6	L	- [With NAVI]
7	R	- [Without NAVI]
8	Y	-
9	O	-
10	SB	-
31	V	-
32	R	-
33	GR	-
34	P	-
35	Y	-
36	BR	-
39	SB	-
44	R	-
45	V	-
46	P	-
48	L	-
51	BR	- [With CVT]
51	B	- [With M/T]
53	SB	-
54	W	- [With CVT]
54	O	- [With M/T]
57	LG	-
59	L	-
60	O	-
61	G	-
62	W	-
63	L	-
67	GR	- [With CVT]
67	V	- [With M/T]
68	P	-
70	SHIELD	-
71	GR	-

Connector No.	M32
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TK08FY-EX-1V



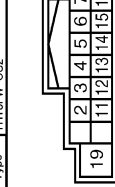
Terminal No.	Color of Wire	Signal Name [Specification]
23	W	-
28	Y	-
28	L/Y	-
30	Y/R	-

Connector No.	M45
Connector Name	HAZARD SWITCH
Connector Type	TK04FW



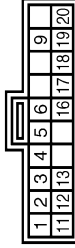
Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
2	L/W	-
3	W	-
4	B/R	-

Connector No.	M46
Connector Name	AUDIO UNIT
Connector Type	TH18FW-CS2



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

Connector No.	M50
Connector Name	A/C AUTO AMP.
Connector Type	TK20FGY



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	ILLUMINATION POWER SUPPLY
2	R	A/C AUTO AMP CONNECTION RECOGNITION SIGNAL
3	R	INTAKE DOOR MOTOR PBR POWER SUPPLY
4	LG	BATTERY POWER SUPPLY
5	O	IGNITION POWER SUPPLY
6	R/W	SENSOR GROUND
9	Y	IGNITION POWER SUPPLY
11	B/R	ILLUMINATION GROUND
12	L	FRE DRIVE SIGNAL
13	G	REC DRIVE SIGNAL
16	B	GROUND
17	BR	A/MIX DRIVE SIGNAL 4
18	SB	A/MIX DRIVE SIGNAL 3
19	GR	A/MIX DRIVE SIGNAL 2
20	P	A/MIX DRIVE SIGNAL 1

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POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

BATTERY POWER SUPPLY FUSE No. 47

Connector No.	M53
Connector Name	A/C CONTROL
Connector Type	TH16FW-NH



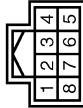
Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	R	-
3	W/L	-
4	G/Y	-
5	B/R	-
6	B/W	-
7	Y	-
8	SB	-
9	Y	-
10	Y	-
11	Y/R	-
12	SB	-
13	Y	-
14	Y	-
15	B	-
16	L	-

Connector No.	M57
Connector Name	CVT SHIFT SELECTOR
Connector Type	TH88FW-NH



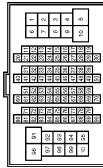
Terminal No.	Color of Wire	Signal Name [Specification]
1	P	-
2	B	-
3	W	-
4	B/R	-
5	LG	-
6	B	-

Connector No.	M58
Connector Name	CVT SHIFT SELECTOR
Connector Type	TH88FW-NH



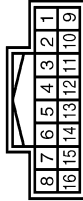
Terminal No.	Color of Wire	Signal Name [Specification]
1	P	-
2	B	-
3	W	-
4	B/R	-
5	LG	-
6	B	-
7	Y/R	-
8	G/O	-

Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	TH88FW-GS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	B/O	-
2	R	-
3	G/R	-
4	G/B	-
5	L	-
6	L	-
7	W/R	-
8	G/W	-
9	Y/L	-
10	W	-
31	GR/L	-
32	L/B	-
33	R/Y	-
34	SB	-

Connector No.	M80
Connector Name	WIRE TO WIRE
Connector Type	TH16FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	L/B	-
2	GR/L	-
5	W	-
6	W/L	-
8	BR/Y	-
9	R/Y	-
11	O	-
13	BR/W	-
14	W/B	-
16	W/G	-

35	BR	-
36	G	-
38	L/R	-
39	-	-
44	G/O	-
45	LG/R	-
46	GR/W	-
48	L/O	-
51	B/W	-
53	R/L	-
54	O	-
57	GR	-
59	V	-
60	R/W	-
61	V/W	-
62	W/L	-
63	W/B	-
67	Y/R	-
69	LG	-
70	SHIELD	-
71	P/B	-
72	R/G	-
73	R	-
74	L/Y	-
76	W/G	-
77	GR/R	-
78	O	-
79	LG	-
80	P	-
81	L	-
82	GR	-
83	G/R	-
84	B	-
87	G	-
91	R	-
92	O	-
93	Y	-
94	R/B	-
95	L/W	-
96	Y	-
97	L	-
98	BR/W	-
99	W	-
100	G/R	-

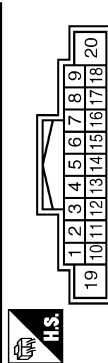
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

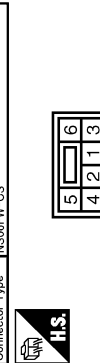
BATTERY POWER SUPPLY FUSE No. 47

Connector No.	M87
Connector Name	NAVI CONTROL UNIT
Connector Type	TH18PW-CS2



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y/B	WOOFER AMP_ON SIGNAL
2	W	SOUND SIGNAL FRONT SPEAKER LH (+)
3	P	SOUND SIGNAL FRONT SPEAKER LH (-)
4	V	SOUND SIGNAL REAR SPEAKER LH (+)
5	R/B	SOUND SIGNAL REAR SPEAKER LH (-)
6	W/L	STRG SW A
7	L/Y	ACC
8	B/R	ILLUMINATION CONTROL SIGNAL (-)
9	W	ILLUMINATION CONTROL SIGNAL (+)
10	G	SOUND SIGNAL FRONT SPEAKER RH (+)
11	R	SOUND SIGNAL FRONT SPEAKER RH (-)
12	LG	SOUND SIGNAL REAR SPEAKER RH (+)
13	L/G	SOUND SIGNAL REAR SPEAKER RH (-)
14	GR	SOUND SIGNAL REAR SPEAKER RH (-)
15	L/G	STRG SW GND
16	GR/R	STRG SW B
18	V/R	VEHICLE SPEED SIGNAL (8-PULSE)
19	L	BATTERY
20	B	GND

Connector No.	M102
Connector Name	HEATED SEAT SWITCH LH
Connector Type	NS08FW-CS



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

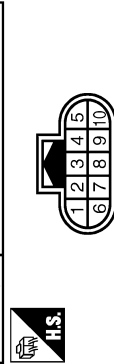
5	W	-
6	B/R	-

Connector No.	M103
Connector Name	HEATED SEAT SWITCH RH
Connector Type	NS08FBR-CS



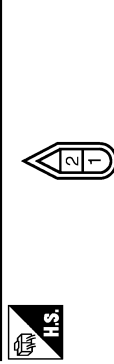
Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	SB	-
3	GR	-
4	B	-
5	W	-
6	B/R	-

Connector No.	T1
Connector Name	WIRE TO WIRE
Connector Type	RH10MB



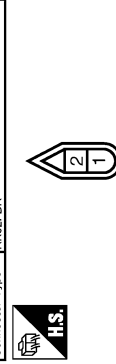
Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	-
2	GR	-
6	B	-
7	W	-

Connector No.	T2
Connector Name	LICENSE PLATE LAMP LH
Connector Type	RK02FBR



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

Connector No.	T3
Connector Name	LICENSE PLATE LAMP RH
Connector Type	RK02FBR



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

Connector No.	T4
Connector Name	SIDE MARKER LAMP LH
Connector Type	HS02FG-W



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

Connector No.	T5
Connector Name	SIDE MARKER LAMP RH
Connector Type	HS02FG-W



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

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

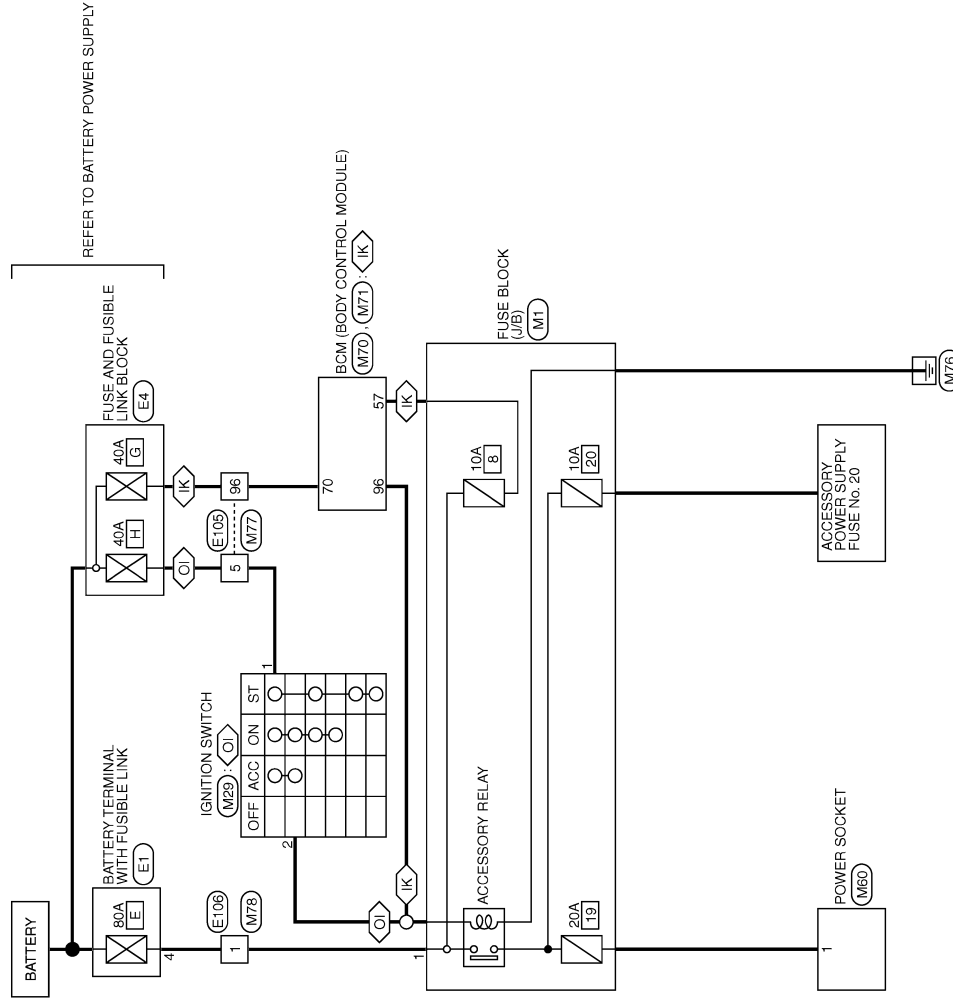
[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - ACCESSORY POWER SUPPLY -

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ACCESSORY POWER SUPPLY

 : With Intelligent Key
 : Without Intelligent Key



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JCMWM5366GB

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

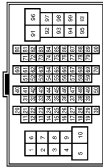
ACCESSORY POWER SUPPLY

Connector No.	E1
Connector Name	BATTERY TERMINAL WITH FUSIBLE LINK
Connector Type	LOGFCY-MC



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

Connector No.	E105
Connector Name	WIRE TO WIRE
Connector Type	THE8MW-CS (S-TM4)



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	-
2	W	-
3	SB	-
4	G	-
5	P	-
6	L	- [With NAVI] - [Without NAVI]
7	Y	-
8	O	-
9	W	-
10	SB	-
31	V	-
32	R	-
33	GR	-
34	P	-
35	Y	-
36	BR	-
38	SB	-
44	R	-
45	Y	-

46	P	-
48	L	- [With CVT] - [With M/T]
51	BR	-
53	SB	-
54	W	- [With CVT] - [With M/T]
57	LG	-
59	L	-
60	O	-
61	G	-
62	W	-
63	L	-
67	GR	- [With CVT] - [With M/T]
67	V	-
69	P	-
70	SHIELD	-
71	GR	-
72	LG	-
73	P	-
74	V	-
76	Y	-
77	LG	-
78	O	-
79	G	-
80	P	-
81	L	-
82	W	-
83	BR	-
84	B	-
87	GR	-
91	W	-
92	Y	-
93	Y	-
94	R	-
96	V	-
96	LG	-
97	R	-
98	SB	-
99	G	-
100	P	-

Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	LOGFCY-MC



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

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



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

Connector No.	M29
Connector Name	IGNITION SWITCH
Connector Type	M08FY-LC



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

4	Y/B	-
5	W	-

Connector No.	M60
Connector Name	POWER SOCKET
Connector Type	P02FB-Z



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

Connector No.	M70
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	FEA09FW-FHA6-SA



Terminal No.	Color of Wire	Signal Name [Specification]
56	L	INTERIOR ROOM LAMP POWER SUPPLY
57	Y	BAT (FUSE)
59	G	PASSENGER DOOR UNLOCK OUTPUT
60	W/B	TURN SIGNAL LH OUTPUT
61	W/L	TURN SIGNAL RH OUTPUT
63	BR	ROOM LAMP TIMER CONTROL
65	V	ALL DOOR LOCK OUTPUT
66	L/B	DRIVER DOOR UNLOCK OUTPUT
67	B	GND
68	L	POWER WINDOW POWER SUPPLY (IGN)
69	L/W	POWER WINDOW POWER SUPPLY (BAT)
70	Y	BAT (F/L)

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

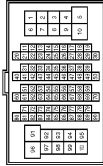
ACCESSORY POWER SUPPLY

Connector No.	M71
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH407V-NH



Terminal No.	Color of Wire	Signal Name [Specification]
75	SB	DRIVER DOOR REQUEST SW
76	L/O	PUSH SW
78	LG	DRIVER DOOR ANT+
79	V	DRIVER DOOR ANT-
80	BR/Y	PASSENGER DOOR ANT+
81	L/Y	PASSENGER DOOR ANT-
82	W/B	BACK DOOR ANT+
83	B/W	BACK DOOR ANT-
84	Y/G	ROOM ANT+
85	Y/L	ROOM ANT-
86	P	LUGGAGE ROOM ANT-
87	L	LUGGAGE ROOM ANT+
90	W/L	PUSH-BUTTON IGNITION SW ILL POWER
91	Y	ACC/ON IND
92	BR/R	PUSH-BUTTON IGNITION SW ILL GND
93	GR/W	H-KEY WARN BUZZER
96	BR/W	ACC RELAY COINT
97	L/R	STARTER RELAY COINT
98	BR	IGN RELAY (IPDM E/R) COINT
99	W/R	IGN RELAY COINT
100	G	PASSENGER DOOR REQUEST SW
102	G	SHIFT N/P
104	Y/R	CVT SHIFT SELECTOR POWER SUPPLY
105	B/O	STOP LAMP SW 2
106	Y/B	BLOWER FAN MOTOR RELAY COINT

Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	TH407W-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	B/O	
2	R	
3	G/R	
4	G/B	
5	L	
6	L	
7	W/R	
8	G/W	
9	Y/L	
10	W	
31	GR/L	
32	L/B	
33	R/Y	
34	SB	
35	BR	
36	G	
39	L/R	
44	G/O	
45	LG/R	
46	GR/W	
48	L/O	
51	B/W	
52	R/L	
54	O	
57	GR	
59	V	
60	R/W	
61	V/W	
62	W/L	
63	W/B	
67	Y/R	
68	LG	
70	SHIELD	
71	P/B	
72	R/G	
73	R	
74	L/Y	
76	W/G	

77	GR/R	-
78	O	-
79	LG	-
80	P	-
81	L	-
82	GR	-
83	G/R	-
84	B	-
87	G	-
91	R	-
92	O	-
93	Y	-
94	R/B	-
95	L/W	-
96	Y	-
97	L	-
98	BR/W	-
99	W	-
100	G/R	-

Connector No.	M78
Connector Name	WIRE TO WIRE
Connector Type	L02MB-MC



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

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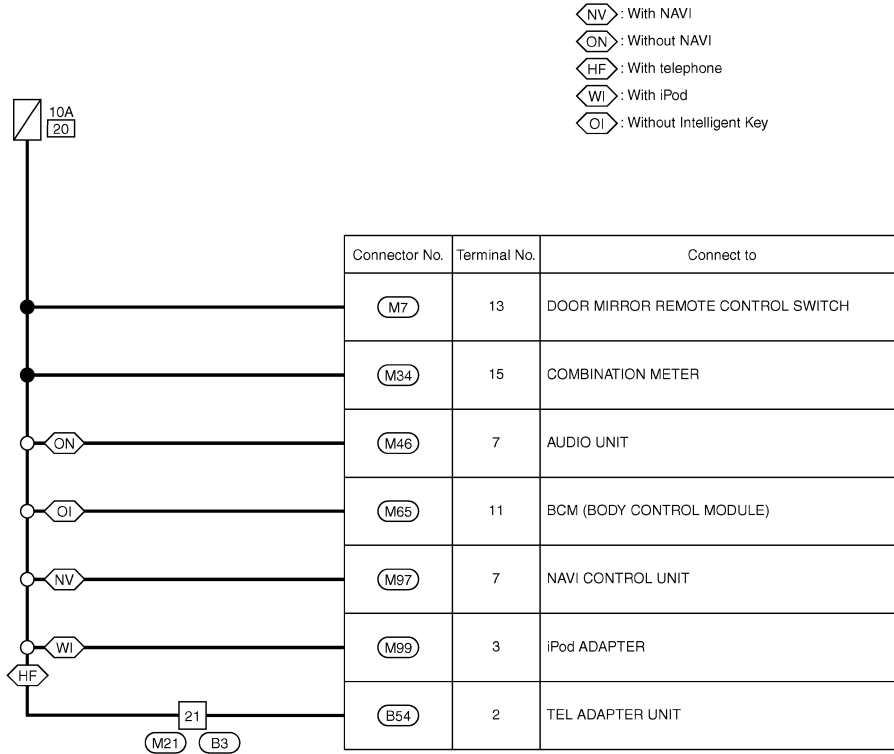
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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

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POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

ACCESSORY POWER SUPPLY FUSE No. 20

Connector No.	B3
Connector Name	WIRE TO WIRE
Connector Type	TH22FW-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

Terminal No.	Color of Wire	Signal Name [Specification]
1	SB	-
2	R	-
3	L	-
4	SHIELD	-
5	LG	-
6	SB	-
7	P	-
14	G	-
15	SB	-
16	SB	-
17	LG	-
18	SHIELD	-
19	BR	-
20	Y	-
21	L	-
22	O	-
23	GR	-
24	L	-
30	R	-
31	LG	-
32	LG	-



2	3	4	5	6	7
12	13	12	13	12	13

Connector No.	M7
Connector Name	DOOR MIRROR REMOTE CONTROL SWITCH
Connector Type	TK1BFW

2	L	ACC
3	LG	IGNITION
4	B	GND
7	L	MICROPHONE SIGNAL
8	SHIELD	MICROPHONE SIGNAL GND
9	BR	SOUND SIGNAL (+)
10	Y	SOUND SIGNAL (-)
11	SB	TEL ON SIGNAL
12	W	STRG SW A
13	SB	STRG SW B
14	GR	STRG SW GND
17	GR	STRG SW A
18	P	STRG SW B
19	L	STRG SW GND
20	B	CONTROL SIGNAL
21	B	CONTROL SIGNAL
22	B	CONTROL SIGNAL
23	B	CONTROL SIGNAL
24	B	CONTROL SIGNAL
27	B	CONTROL SIGNAL
28	O	VEHICLE SPEED (2-PULSE)
29	R	MICROPHONE VCC

Terminal No.	Color of Wire	Signal Name [Specification]
2	V	-
3	R	-
4	G/B	-
5	BR	-
6	GR	-
7	LG	-
12	B	-
13	L/Y	-

Connector No.	M21
Connector Name	WIRE TO WIRE
Connector Type	TH22FW-NH



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

Terminal No.	Color of Wire	Signal Name [Specification]
1	SB	-
2	G	-
3	V	-
4	SHIELD	-
5	O	-
6	G/O	-
7	GR/R	-
14	L	-
15	SB	-
16	SB	-
17	LG	-
18	SHIELD	-
19	BR	-
20	Y	-
21	L/Y	-
22	V	-
23	W/G	-
24	L/B	-
30	P	-
31	LG	-
32	LG	-

Connector No.	M34
Connector Name	COMBINATION METER
Connector Type	TH40FW-NH



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

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

2	P	CAN-L
3	V	VEHICLE SPEED SIGNAL (2-PULSE)
4	L	VEHICLE SPEED SIGNAL (8-PULSE)
6	BR/Y	FUEL LEVEL SENSOR SIGNAL
7	R/G	AIR BAG SIGNAL
8	P	OVERDRIVE CONTROL SWITCH SIGNAL
9	O	SEAT BELT BUCKLE SWITCH SIGNAL (DRIVER SIDE)
10	SB	PARKING BRAKE SWITCH SIGNAL
11	G/R	BRAKE FLUID LEVEL SWITCH SIGNAL
13	B/R	ILLUMINATION CONTROL SIGNAL
15	L/Y	ACC POWER SUPPLY
17	G	WASHER LEVEL SWITCH SIGNAL
18	R/Y	SECURITY SIGNAL
19	V/W	AMBIENT SENSOR SIGNAL
20	R/W	AMBIENT SENSOR GROUND
21	B	GROUND
22	B	GROUND
23	B	GROUND
24	V	FUEL LEVEL SENSOR GROUND
25	B	VDC GROUND
27	LG	BATTERY POWER SUPPLY
28	GR	IGNITION SIGNAL
29	BR	PASSENGER SEAT BELT WARNING SIGNAL
31	R	A/C AUTO AMP CONNECTION RECOGNITION SIGNAL
35	BR	ENGINE COOLANT TEMPERATURE SIGNAL
38	GR	ALTERNATOR SIGNAL

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

ACCESSORY POWER SUPPLY FUSE No. 20

Connector No.	M46
Connector Name	AUDIO UNIT
Connector Type	TH18FW-CSZ



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

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

Connector No.	M65
Connector Name	BCM BODY CONTROL MODULE
Connector Type	TH40PY-NH



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

Terminal No.	Color of Wire	Signal Name [Specification]
2	BR/W	COMBI SW INPUT 5
3	GR	COMBI SW INPUT 4
4	L/Y	COMBI SW INPUT 3
5	G	COMBI SW INPUT 2
6	L/R	COMBI SW INPUT 1
7	W/R	KEY CYL UNLCK SW

Terminal No.	Color of Wire	Signal Name [Specification]
8	W/B	KEY CYL LOCK SW
9	R	STOP LAMP SW
10	W/L	REAR WINDOW DEFROGGER SW
11	L/Y	ACC
12	SB	PASSENGER DOOR SW
13	GR/L	REAR RH DOOR SW
14	L/B	OPTICAL SENSOR
17	R/G	OPTICAL SENSOR POWER SUPPLY
18	V	RECEIVER / SENSOR GND
19	BR	KEYLESS ENTRY RECEIVER POWER SUPPLY
20	G/Y	KEYLESS ENTRY RECEIVER COMM
21	P/L	NATS ANTENNA AMP
23	R/Y	SECURITY INDICATOR LAMP
24	GR/R	DOMGLE LINK
25	LG	NATS ANTENNA AMP
26	GR	THERMO CONTROL AMP
27	V/G	A/C SW (With auto A/C)
27	V/R	A/C SW (With manual A/C)
28	G/W	BLOWER FAN SW
29	L/W	HAZARD SW
31	G/Y	FR DEFROSTER SW
32	LG	COMBI SW OUTPUT 5
33	Y/L	COMBI SW OUTPUT 4
34	W	COMBI SW OUTPUT 3
35	R/L	COMBI SW OUTPUT 2
36	L/O	COMBI SW OUTPUT 1
37	R/W	KEY SWITCH
38	O	IGN
39	L	CAN-H
40	P	CAN-L

Connector No.	M87
Connector Name	NAVI CONTROL UNIT
Connector Type	TH18FW-CSZ



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

Terminal No.	Color of Wire	Signal Name [Specification]
1	Y/B	WOOPER AMP ON SIGNAL
2	P	SOUND SIGNAL FRONT SPEAKER LH (+)
3	W	SOUND SIGNAL FRONT SPEAKER LH (-)
4	V	SOUND SIGNAL REAR SPEAKER LH (+)
5	R/B	SOUND SIGNAL REAR SPEAKER LH (-)
6	W/L	STRG SW A

Terminal No.	Color of Wire	Signal Name [Specification]
7	L/Y	ACC
8	B/R	ILLUMINATION CONTROL SIGNAL (-)
9	W	ILLUMINATION CONTROL SIGNAL (+)
11	G	SOUND SIGNAL FRONT SPEAKER RH (+)
12	R	SOUND SIGNAL FRONT SPEAKER RH (-)
13	LG	SOUND SIGNAL REAR SPEAKER RH (+)
14	GR	SOUND SIGNAL REAR SPEAKER RH (-)
15	L/G	STRG SW GND
18	GR/R	STRG SW B
19	V/R	VEHICLE SPEED SIGNAL (8-PULSE)
18	L	BATTERY
20	B	GND

Connector No.	M89
Connector Name	IPod ADAPTER
Connector Type	TH24FW-NH



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
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	IPod SOUND SIGNAL LH (+)
2	B	IPod SOUND SIGNAL RH (+)
3	L/Y	ACC
4	LG	AV COMM (L)
5	L	BATTERY
6	GR	USB D+ SIGNAL
7	LG	USB D- SIGNAL
8	LG	IPod BATTERY CHARGE 12V
9	P	COMM (IPod ADAPTER-IPod)
10	L	COMM (IPod-IPod ADAPTER)
11	O	ACCESSORY IDENTIFY
12	G/R	IPod SOUND SIGNAL RH (+)
13	W	IPod SOUND SIGNAL LH (-)
14	G	IPod SOUND SIGNAL RH (-)
15	SHIELD	SHIELD
16	SB	AV COMM (H)
17	B	GND
18	SHIELD	SHIELD
20	BR	IPod BATTERY CHARGE 5V
21	W/B	IPod CONNECTION RECOGNITION
22	G/O	ACCESSORY DETECT
23	G/Y	IPod SOUND SIGNAL GND
24	G/O	IPod SOUND SIGNAL LH (+)

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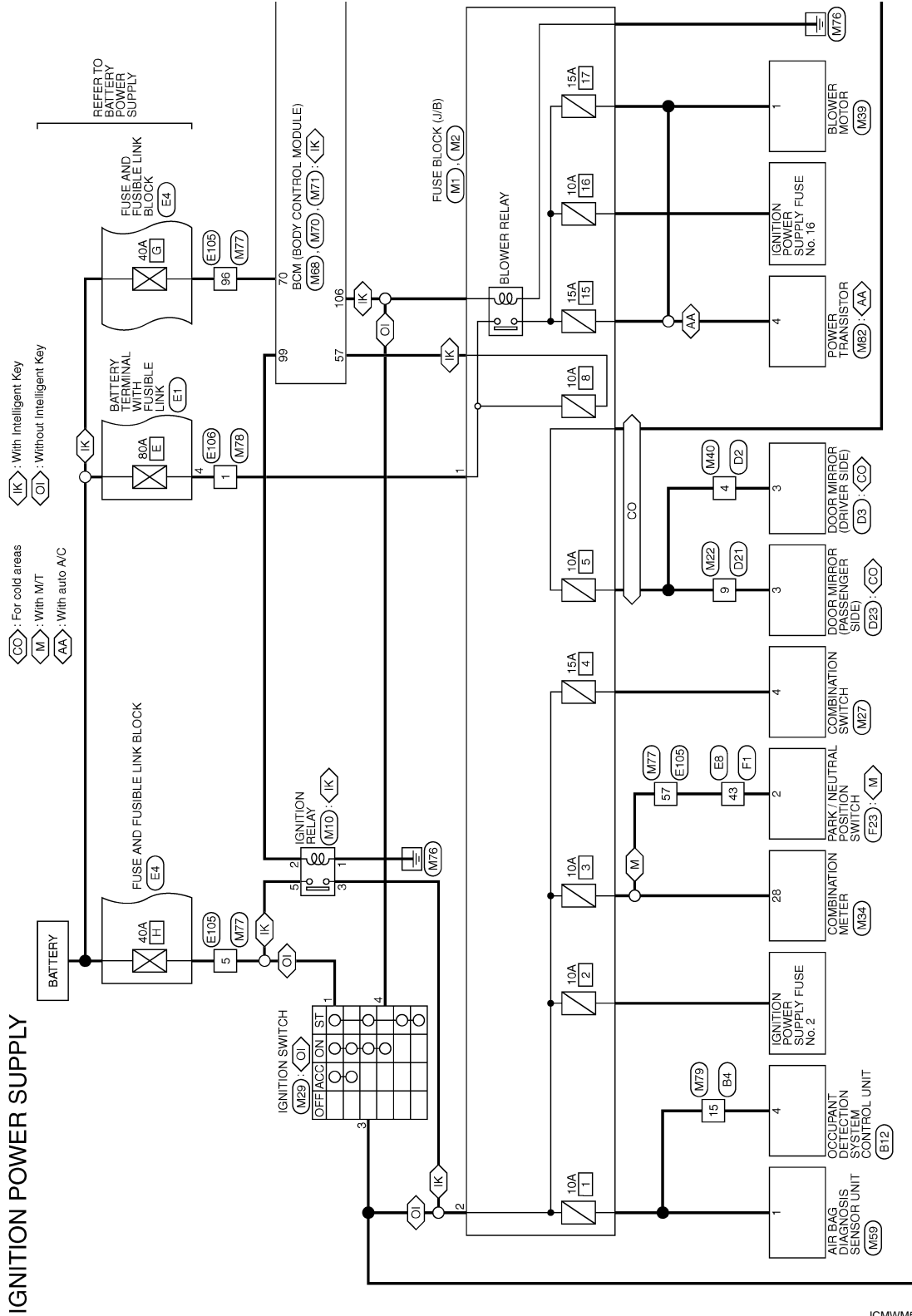
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - IGNITION POWER SUPPLY -

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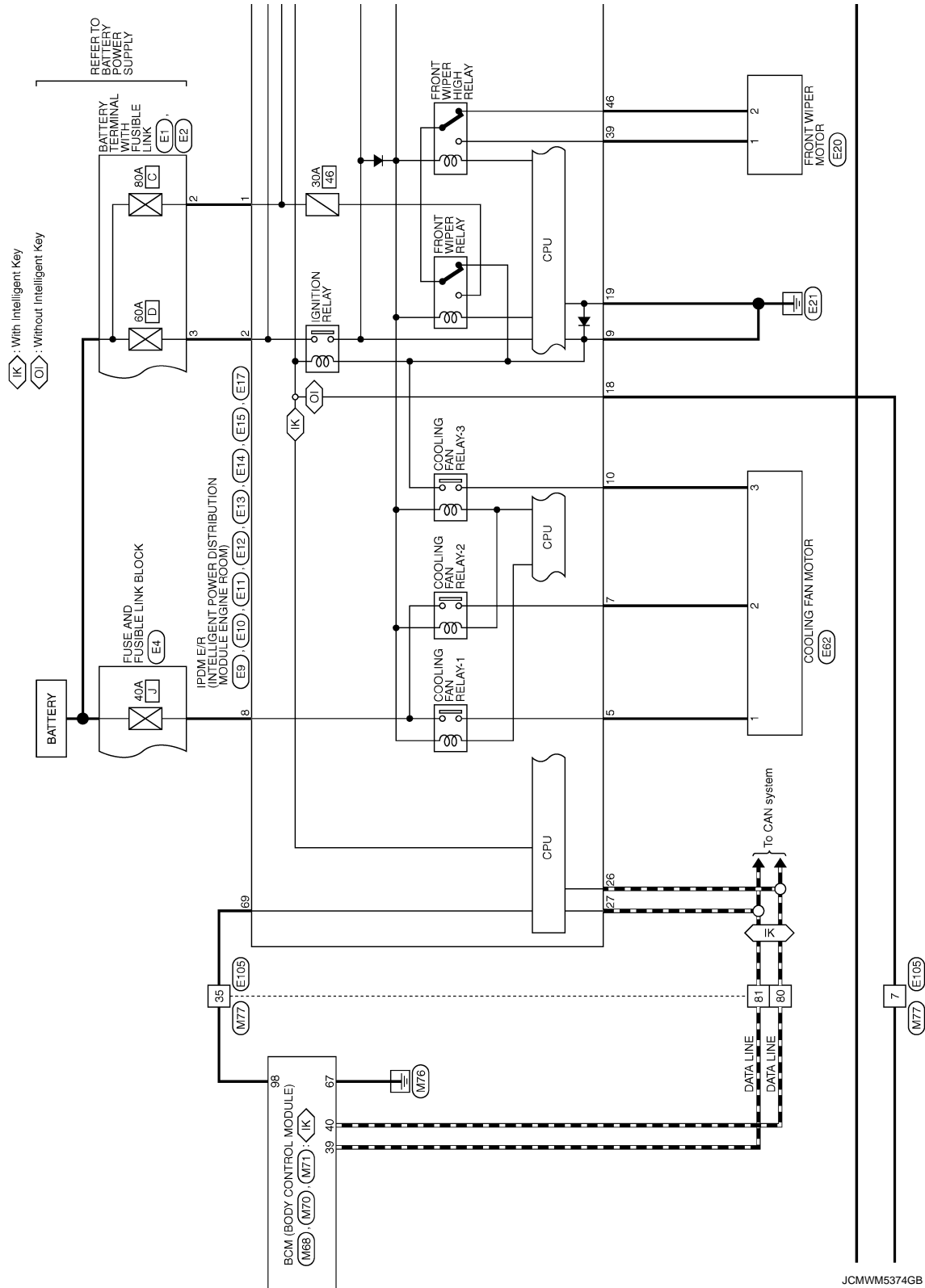
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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]



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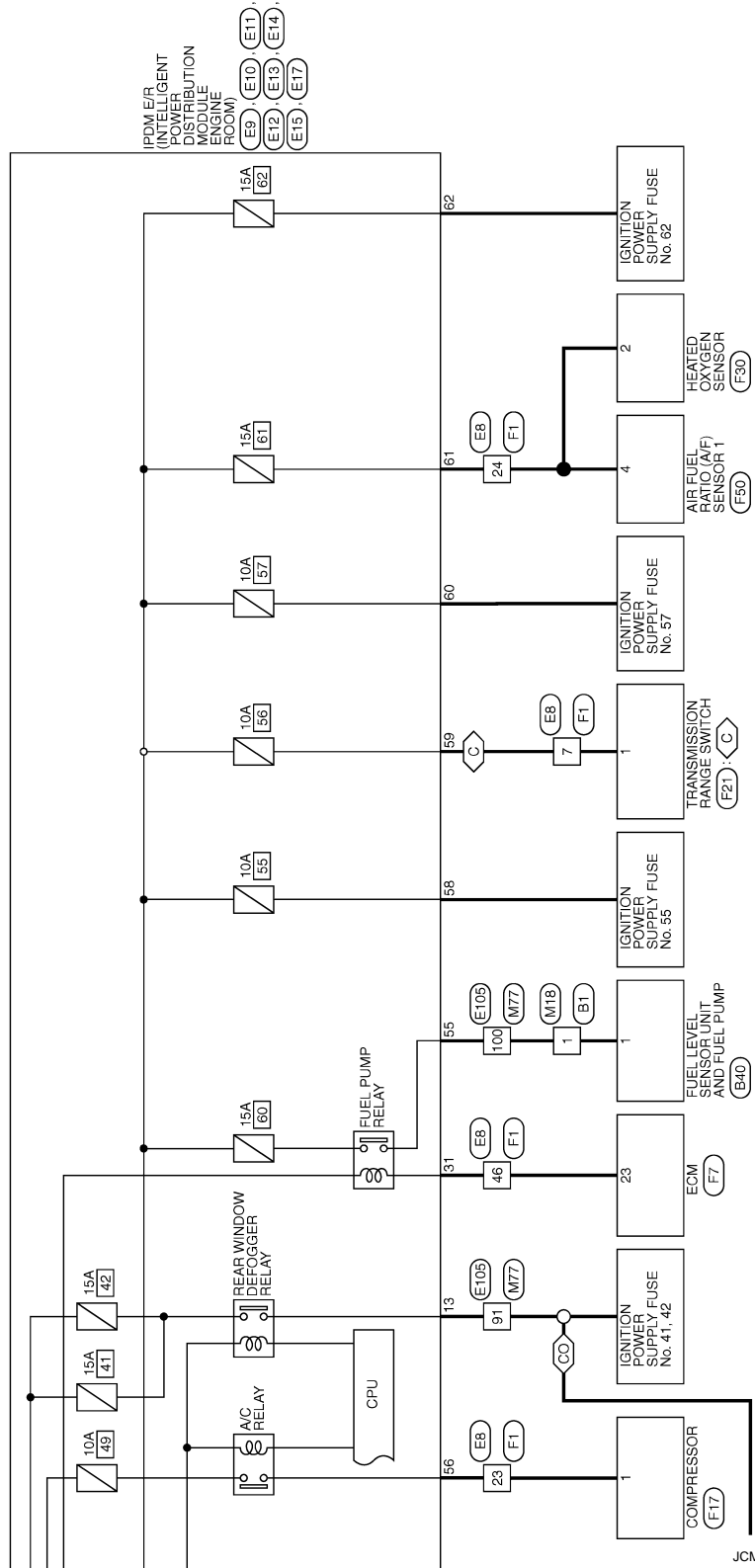
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POWER SUPPLY ROUTING CIRCUIT

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[POWER SUPPLY & GROUND CIRCUIT]

CO : For cold areas
C : With CVT



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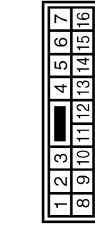
POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

IGNITION POWER SUPPLY

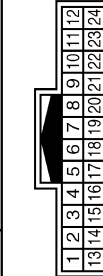
Connector No.	B1
Connector Name	WIRE TO WIRE
Connector Type	MS16MW-CS



11	G	-
12	SB	-
13	R	-
16	GR	-
17	BR	-
18	L	-
20	LG	-
22	Y	-
23	BR	-
24	O	-

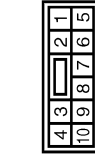
Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
3	V	-
4	L	-
5	Y	-
6	W	-
7	LG	-
8	GR	-
9	SB	-
10	W	-
11	G	-
12	V	-
13	BR	-
15	R	-
16	GR	-

Connector No.	B4
Connector Name	WIRE TO WIRE
Connector Type	TH24MW-NH

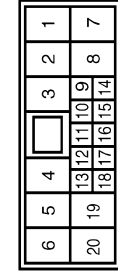


Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	V	-
3	O	-
4	P	-
5	W	-
8	SB	-
9	GR	-
10	SB	-

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

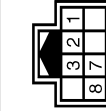


Connector No.	D21
Connector Name	WIRE TO WIRE
Connector Type	NH10FW-CS10



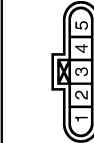
Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	V	-
3	R	-
4	G	-
5	P	-
8	SB	-
9	BR	-
10	B	-

Connector No.	D3
Connector Name	DOOR MIRROR (DRIVER SIDE)
Connector Type	TH8BMW-NH



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

Connector No.	B40
Connector Name	FUEL LEVEL SENSOR UNIT AND FUEL PUMP
Connector Type	ED5FGY-RS



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

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

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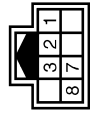
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY

Connector No.	D23
Connector Name	DOOR MIRROR (PASSENGER SIDE)
Connector Type	TH88MW-NH



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

Connector No.	E1
Connector Name	BATTERY TERMINAL WITH FUSIBLE LINK
Connector Type	LO2FGY-MC



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

Connector No.	E2
Connector Name	BATTERY TERMINAL WITH FUSIBLE LINK
Connector Type	LO2FBR-MC



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

Connector No.	E8
Connector Name	WIRE TO WIRE
Connector Type	SAA38MB-RS10-SJ22



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

36	P	
37	LG	
38	SB	
40	GR	
41	O	
42	V	
43	R	
43	LG	
44	R	
46	W	
47	G	
48	BR	

Connector No.	E9
Connector Name	ENGINE ROOM INTELLIGENT POWER DISTRIBUTION MODULE
Connector Type	LO2FBR-MC



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

Connector No.	E10
Connector Name	ENGINE ROOM INTELLIGENT POWER DISTRIBUTION MODULE
Connector Type	MO8FV-LC



Terminal No.	Color of Wire	Signal Name [Specification]
3	BR	
4	P	
5	LG	
6	SB	
7	Y	
8	V	

Connector No.	E11
Connector Name	ENGINE ROOM INTELLIGENT POWER DISTRIBUTION MODULE
Connector Type	MO8FB-LC



Terminal No.	Color of Wire	Signal Name [Specification]
9	B/W	
10	L	
13	W	

Connector No.	E12
Connector Name	ENGINE ROOM INTELLIGENT POWER DISTRIBUTION MODULE
Connector Type	NS38FBR-2S



Terminal No.	Color of Wire	Signal Name [Specification]
18	Y	
19	B/W	
21	W	
22	V	

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY

Connector No.	E13
Connector Name	IGNITION INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	TH12FN-NH



28	27	26	25	24	23
34	33	32	31	30	29

Terminal No.	Color of Wire	Signal Name [Specification]
24	LG	-
25	Y	-
26	P	-
27	L	-
28	P	-
30	SB	-
31	W	-
33	O	-
34	R	-

Connector No.	E14
Connector Name	IGNITION INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	NS12FBR-CS



39	38	37	36	35
46	45	44	43	42
41	40	39	38	37

Terminal No.	Color of Wire	Signal Name [Specification]
36	Y	-
37	V	-
38	G	-
39	V	-
40	R	-
41	SB	-
43	G	-
44	P	-
45	Y	-
46	O	-

Connector No.	E15
Connector Name	IGNITION INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	NS12FIT-CS



53	52	51	50	49	48	47
62	61	60	59	58	57	56
55	54	53	52	51	50	49

Terminal No.	Color of Wire	Signal Name [Specification]
47	BR	-
49	W	-
50	GR	-
51	R	-
52	P	-
54	GR	-
55	P	-
56	SB	-
57	G	-
58	R	-
59	Y	-
60	V	-
61	W	-
62	L	-

Connector No.	E17
Connector Name	IGNITION INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	TH12FB-NH



67	66	65	64	63
72	71	70	69	68

Terminal No.	Color of Wire	Signal Name [Specification]
64	R	-
66	L	-
69	Y	-

Connector No.	E20
Connector Name	FRONT WIPER MOTOR
Connector Type	FHX03FGY-B



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

Connector No.	E82
Connector Name	COOLING FAN MOTOR
Connector Type	RSMFGY-PR



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

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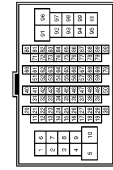
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY

Connector No.	E105
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS1E-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	-
2	W	-
3	SB	-
4	G	-
5	P	-
6	L	- [With MAV]
7	R	- [Without MAV]
8	Y	-
9	O	-
10	SB	-
31	V	-
32	R	-
33	GR	-
34	P	-
35	Y	-
36	BR	-
39	SB	-
44	R	-
45	V	-
46	P	-
48	L	-
51	BR	- [With CVT]
51	B	- [With M/T]
53	SB	-
54	W	- [With CVT]
54	O	- [With M/T]
57	LG	-
59	L	-
60	O	-
61	G	-
62	W	-
63	L	-
67	GR	- [With CVT]
67	V	- [With M/T]
68	P	-
70	SHIELD	-
71	GR	-

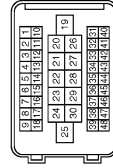
72	LG	-
73	P	-
74	V	-
76	Y	-
77	LG	-
78	O	-
79	G	-
80	P	-
81	L	-
82	W	-
83	BR	-
84	B	-
87	GR	-
91	W	-
92	Y	-
93	Y	-
94	R	-
95	V	-
96	LG	-
97	R	-
98	SB	-
99	G	-
100	P	-

Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	L02FB-MC



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

Connector No.	F1
Connector Name	WIRE TO WIRE
Connector Type	SAA38FB-RS1D-SJ22



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

43	R	-
44	P	-
46	GR	-
47	Y	-
48	BR	-

Connector No.	F7
Connector Name	ECM
Connector Type	RH24FY-R26-R-RH



Terminal No.	Color of Wire	Signal Name [Specification]
1	P	MOTOR 1
2	SB	VMOT
3	V	YSCV
4	L	MOTOR 2
5	G	OZHR
6	W	SCV 1
7	R	SCV 2
8	G	AF-HEATER GND
9	P	E/VAP
11	B	GND
12	GR	GND-A-TO
14	L	NEUT-H
15	Y	MOTRLY
17	R	IGNH1
18	LG	IGNH2
21	G	IGNH4
22	SB	IGNH3
23	GR	FPFR
25	V	IN#4
27	R	TO
28	SB	CDOV [For California]
28	W	CDOV [Except for California]
29	Y	IN#3
30	O	IN#2
31	L	IN#1
32	P	SSOFF

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY

Connector No.	F17
Connector Name	COMPRESSOR
Connector Type	RS01FB



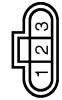
Terminal No.	Color of Wire	Signal Name [Specification]
1	W	MAGNET CLUTCH POWER SUPPLY

Connector No.	F21
Connector Name	TRANSMISSION RANGE SWITCH
Connector Type	RK08FG



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

Connector No.	F23
Connector Name	PARK / NEUTRAL POSITION SWITCH
Connector Type	FEA03FG



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

Connector No.	F30
Connector Name	HEATED OXYGEN SENSOR
Connector Type	AEZ04FB-P



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

Connector No.	F50
Connector Name	AIR FUEL RATIO (A/F) SENSOR 1
Connector Type	RH04MDGY-BR



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

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



Terminal No.	1	W	-
Connector No.	M2	Color of Wire	Signal Name [Specification]
Connector Name	FUSE BLOCK (U/B)		
Connector Type	-		

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



Terminal No.	2	W/R	Signal Name [Specification]
Connector No.	M3	Color of Wire	Signal Name [Specification]
Connector Name	FUSE BLOCK (U/B)		
Connector Type	-		

Connector No.	M10
Connector Name	IGNITION RELAY
Connector Type	MS02FL-M2-LC



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

Connector No.	M18
Connector Name	WIRE TO WIRE
Connector Type	NS18PW-CS



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

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POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

IGNITION POWER SUPPLY

Connector No.	M22
Wire To Wire	WIRE TO WIRE
Connector Type	HS10MM-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	G	
4	B	
5	L	
6	W/R	
7	R	
8	V	
9	G/R	
10	LG	
11	R	
12	G	
13	BR/Y	
14	B	
15	G/B	
16	GR	
17	BR	
18	L/Y	
20	Y/R	



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

Terminal No.	Color of Wire	Signal Name [Specification]
1	O	WASHER (RR)
2	GR	OUTPUT 4
3	L	WASHER (FR)
4	W	IGN

L/Y	B	W	BR/W	R/L	Y/L	L/O	L/R	LG	G
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									

Connector No.	M29
Connector Name	IGNITION SWITCH
Connector Type	M06FW-LG



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

Connector No.	M34
Connector Name	COMBINATION METER
Connector Type	TH46FW-NH



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
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Terminal No.	Color of Wire	Signal Name [Specification]
1	L	CAN-H
2	P	CAN-L
3	V	VEHICLE SPEED SIGNAL (2-PULSE)
4	L	VEHICLE SPEED SIGNAL (8-PULSE)
6	BR/Y	FUEL LEVEL SENSOR SIGNAL

R/G	P	O	SB	GR	B/R	L/Y	G	R/Y	V/W	R/W	B	B	V	B	V	LG	GR	BR	L/B	GR	BR	B	
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Connector No.	M39
Connector Name	BLOWER MOTOR
Connector Type	TM02FW



1	2
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Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	BLOWER MOTOR POWER SUPPLY
2	R	BLOWER MOTOR CONTROL SIGNAL (With auto A/C)
2	L	SENSOR GROUND (With manual A/C)

Connector No.	M40
Wire To Wire	WIRE TO WIRE
Connector Type	HS10MM-CS



1	2	3	4
5	6	7	8
9	10		

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

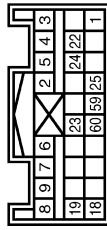
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

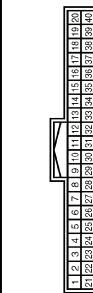
IGNITION POWER SUPPLY

Connector No.	M59
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	NH28FY-EX



Terminal No.	Color of Wire	Signal Name [Specification]
1	R/L	IGN
2	B	GND
3	Y	DR 1 (+)
4	Y/R	DR 1 (-) DR 2 (+)
5	Y/L	DR 2 (-)
6	Y/G	AS 1 (+)
7	Y/B	AS 1 (-)
8	Y/L	AS 2 (+)
9	G/Y	AS 2 (-)
10	LG	ECZ3 (+)
11	V	ECZ3 (-)
12	SHIELD	SHIELD
23	R/G	AIR BAG W/L
24	BR	SEAT BELT W/L
25	R/B	CUTOFF TELLTALE
59	L	CAN-H
60	P	CAN-L

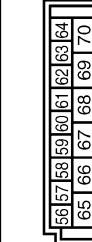
Connector No.	M58
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FB-NH



Terminal No.	Color of Wire	Signal Name [Specification]
2	BR/W	COMBI SW INPUT 5
3	GR	COMBI SW INPUT 4
4	L/Y	COMBI SW INPUT 3
5	G	COMBI SW INPUT 2
6	L/R	COMBI SW INPUT 1

Terminal No.	Color of Wire	Signal Name [Specification]
7	W/R	KEY CYL UNLOCK SW
8	W/B	KEY CYL LOCK SW
9	R	STOP LAMP SW 1
12	GR	CENTRAL DOOR LOCK SW
13	BR	CENTRAL DOOR UNLOCK SW
14	L/B	OPTICAL SENSOR
15	W/L	REAR WINDOW DEFROGGER SW
17	R/G	OPTICAL SENSOR POWER SUPPLY
18	V	SENSOR GND
21	P/L	NATS ANTENNA AMP
23	R/Y	SECURITY INDICATOR LAMP
24	GR/R	DONGLE LINK
25	LG	NATS ANTENNA AMP
27	Y/G	A/G SW
28	G/W	BLOWER FAN SW
29	L/W	HAZARD SW
31	G/B	DR DOOR UNLOCK SENSOR
32	LG	COMBI SW OUTPUT 5
33	Y/L	COMBI SW OUTPUT 4
34	W	COMBI SW OUTPUT 3
35	R/L	COMBI SW OUTPUT 2
36	L/O	COMBI SW OUTPUT 1
37	G/O	SHIFT P
38	G/Y	RECEIVER COMM
39	L	CAN-H
40	P	CAN-L

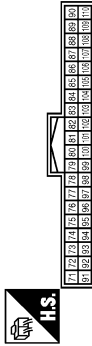
Connector No.	M70
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	FE409FW-FHA8-SA



Terminal No.	Color of Wire	Signal Name [Specification]
56	L	INTERIOR ROOM LAMP POWER SUPPLY
57	Y	BAT (FUSE)
59	G	PASSENGER DOOR UNLOCK OUTPUT
60	W/B	TURN SIGNAL LH OUTPUT
61	W/L	TURN SIGNAL RH OUTPUT
63	BR	ROOM LAMP TIMER CONTROL
65	V	ALL DOOR LOCK OUTPUT
66	L/B	DRIVER DOOR UNLOCK OUTPUT
67	B	GND
68	L	POWER WINDOW POWER SUPPLY (IGN)

69	L/W	POWER WINDOW POWER SUPPLY (BAT)
70	Y	BAT (F/L)

Connector No.	M71
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
75	SB	DRIVER DOOR REQUEST SW
76	L/O	PUSH SW
78	LG	DRIVER DOOR ANT+
79	V	DRIVER DOOR ANT-
80	BR/Y	PASSENGER DOOR ANT+
81	L/Y	PASSENGER DOOR ANT-
82	W/B	BACK DOOR ANT+
83	B/W	BACK DOOR ANT-
84	Y/G	ROOM ANT+
85	Y/L	ROOM ANT-
86	P	LUGGAGE ROOM ANT+
87	L	LUGGAGE ROOM ANT-
90	W/L	PUSH-BUTTON IGNITION SW ILL POWER
91	Y	AGC/ON IND
92	BR/R	PUSH-BUTTON IGNITION SW ILL GND
93	GR/W	F-KEY WARN BUZZER
96	BR/W	AGC RELAY GND
97	L/R	STARTER RELAY GND
98	BR	IGN RELAY (PDM E/R) GND
99	W/R	IGN RELAY GND
100	G	PASSENGER DOOR REQUEST SW
102	G	SHIFT IN/P
104	Y/R	CVT SHIFT SELECTOR POWER SUPPLY
106	B/O	STOP LAMP SW 2
106	Y/B	BLOWER FAN MOTOR RELAY GND

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY

Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	THBDFW-CS16-TM44



Terminal No.	Color of Wire	Signal Name [Specification]
1	B/O	
2	R	
3	G/R	
4	G/B	
5	L	
6	L	
7	W/R	
8	G/W	
9	Y/L	
10	W	
31	GR/L	
32	L/B	
33	R/Y	
34	SB	
35	BR	
36	G	
39	L/R	
44	G/O	
45	LG/R	
46	GR/W	
48	L/O	
51	B/W	
53	R/L	
54	O	
57	GR	
59	V	
60	R/W	
61	V/W	
62	W/L	
63	W/B	
67	Y/R	
69	LG	
70	SHIELD	
71	P/B	
72	R/G	
73	R	
74	L/Y	
76	W/G	

77	GR/R	
78	O	
79	LS	
80	P	
81	L	
82	GR	
83	G/R	
84	B	
87	G	
91	R	
92	O	
93	Y	
94	R/B	
95	L/W	
96	Y	
97	L	
98	BR/W	
99	W	
100	G/R	

Connector No.	M78
Connector Name	WIRE TO WIRE
Connector Type	LO2NB-MC



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

Connector No.	M79
Connector Name	WIRE TO WIRE
Connector Type	TH24FW-NH



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

Connector No.	M82
Connector Name	POWER TRANSISTOR
Connector Type	MD4FW-LC



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	BLOWER MOTOR CONTROL OUTPUT
2	GR/R	POWER TRANSISTOR CONTROL SIGNAL
3	B	GROUND
4	Y	IGNITION POWER SUPPLY

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

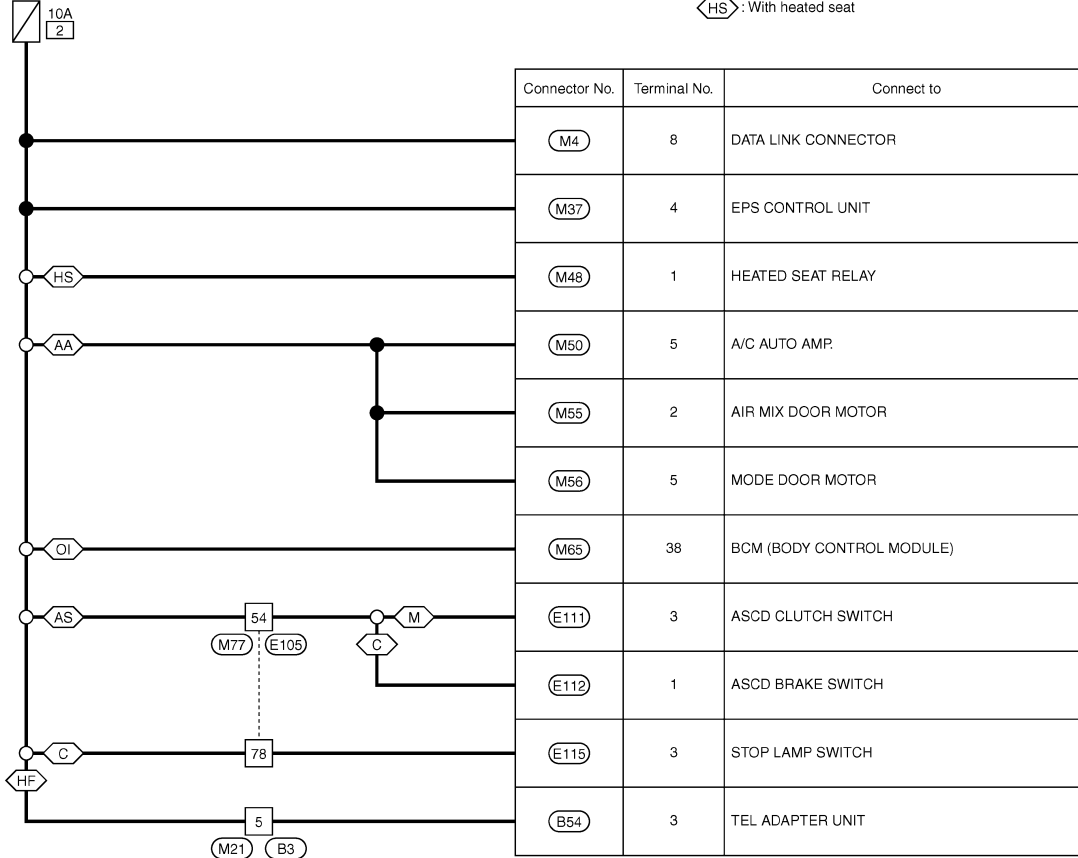
[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 2 -

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IGNITION POWER SUPPLY FUSE No. 2

- : With CVT
- : With M/T
- : With ASCD
- : With telephone
- : With auto A/C
- : Without Intelligent Key
- : With heated seat



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POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

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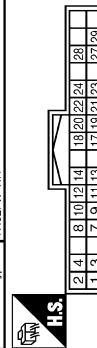
IGNITION POWER SUPPLY FUSE No. 2

Connector No.	B3
Connector Name	WIRE TO WIRE
Connector Type	TH22MW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	SB	-
2	L	-
3	R	-
4	SHIELD	-
5	LG	-
6	SB	-
7	P	-
14	G	-
15	SB	-
16	SB	-
17	LG	-
18	SHIELD	-
19	BR	-
20	Y	-
21	L	-
22	O	-
23	GR	-
24	L	-
30	R	-
31	LG	-
32	LG	-

Connector No.	B54
Connector Name	TEL ADAPTER UNIT
Connector Type	TH22FW-NH



Terminal No.	1	R	BATTERY
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Terminal No.	Color of Wire	Signal Name [Specification]
2	L	ACC
3	LG	IGNITION
4	B	IGNITION GND
7	L	MICROPHONE SIGNAL
8	SHIELD	MICROPHONE SIGNAL GND
9	BR	SOUND SIGNAL (+)
10	Y	SOUND SIGNAL (-)
11	SB	TEL ON SIGNAL
12	W	STRG SW A
13	SB	STRG SW B
14	GR	STRG SW GND
17	GR	STRG SW A
18	P	STRG SW B
19	L	STRG SW GND
20	B	CONTROL SIGNAL
21	B	CONTROL SIGNAL
22	B	CONTROL SIGNAL
23	B	CONTROL SIGNAL
24	B	CONTROL SIGNAL
27	B	CONTROL SIGNAL
28	O	VEHICLE SPEED (2-PULSE)
29	R	MICROPHONE VCC

Connector No.	E105
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4



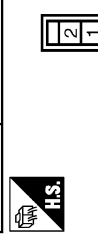
Terminal No.	Color of Wire	Signal Name [Specification]
1	V	-
2	W	-
3	SB	-
4	G	-
5	P	-
6	L	-
7	Y	-
8	O	-
9	W	-
10	SB	-
31	V	-
32	R	-
33	GR	-

Connector No.	E111
Connector Name	ASCOD CLUTCH SWITCH
Connector Type	IM24FW-LC



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

Connector No.	E112
Connector Name	ASCOD BRAKE SWITCH
Connector Type	IM24BFB-LC



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	- [With CVT]
1	R	- [With M/T]
2	SB	-

Terminal No.	Color of Wire	Signal Name [Specification]
34	P	-
35	Y	-
36	BR	-
38	SB	-
44	R	-
45	V	-
46	P	-
48	L	-
51	BR	- [With CVT]
51	B	- [With M/T]
53	SB	-
54	W	- [With CVT]
54	O	- [With M/T]
57	LG	-
59	L	-
60	O	-
61	G	-
62	W	-
63	L	-
67	GR	- [With CVT]
67	V	- [With M/T]
69	P	-
70	SHIELD	-
71	GR	-
72	LG	-
73	P	-
74	V	-
76	Y	-
77	LG	-
78	O	-
79	G	-
80	P	-
81	L	-
82	W	-
83	BR	-
84	B	-
87	GR	-
81	W	-
92	Y	-
93	Y	-
94	R	-
95	V	-
96	LG	-
97	R	-
98	SB	-
99	G	-
100	P	-

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

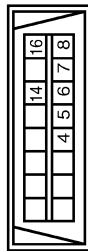
IGNITION POWER SUPPLY FUSE No. 2

Connector No.	E115
Connector Name	STOP LAMP SWITCH
Connector Type	MD4FW-LC



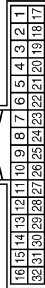
Terminal No.	Color of Wire	Signal Name [Specification]
1	V	-
2	W	-
3	O	-
4	G	-

Connector No.	M4
Connector Name	DATA LINK CONNECTOR
Connector Type	BD16FW



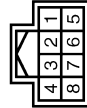
Terminal No.	Color of Wire	Signal Name [Specification]
4	B	-
5	B	-
6	L	-
7	GR/R	-
8	O	-
14	P	-
16	LG/R	-

Connector No.	M21
Connector Name	WIRE TO WIRE
Connector Type	TK32FW-MH



Terminal No.	Color of Wire	Signal Name [Specification]
1	SB	-
2	G	-
3	V	-
4	SHIELD	-
5	O	-
6	G/O	-
7	GR/R	-
14	L	-
15	SB	-
16	SB	-
17	LG	-
18	SHIELD	-
19	BR	-
20	Y	-
21	L/Y	-
22	V	-
23	W/G	-
24	L/B	-
30	P	-
31	LG	-
32	LG	-

Connector No.	M37
Connector Name	EPS CONTROL UNIT
Connector Type	TH08FB



Terminal No.	1	P	Signal Name [Specification]	CAN-L
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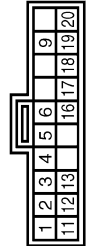
2	L	CAN-H
4	O	IGN

Connector No.	M48
Connector Name	HEATED SEAT RELAY
Connector Type	MS02FL-M2-LC



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

Connector No.	M50
Connector Name	A/C AUTO AMP.
Connector Type	TK20FGY



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	ILLUMINATION POWER SUPPLY
2	R	A/C AUTO AMP. CONNECTION RECOGNITION SIGNAL
3	R	INTAKE DOOR MOTOR PBR POWER SUPPLY
4	LG	BATTERY POWER SUPPLY
5	O	IGNITION POWER SUPPLY
6	R/W	SENSOR GROUND
9	Y	IGNITION POWER SUPPLY
11	B/R	ILLUMINATION GROUND
12	L	FRE DRIVE SIGNAL
13	G	REC DRIVE SIGNAL
16	B	GROUND
17	BR	A/MIX DRIVE SIGNAL 4
18	SB	A/MIX DRIVE SIGNAL 3
19	GR	A/MIX DRIVE SIGNAL 2

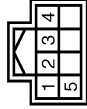
20	P	A/MIX DRIVE SIGNAL 1
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Connector No.	M55
Connector Name	AIR MIX DOOR MOTOR
Connector Type	MAA09FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	A/MIX DRIVE SIGNAL 2
2	O	IGNITION POWER SUPPLY
3	BR	A/MIX DRIVE SIGNAL 4
4	P	A/MIX DRIVE SIGNAL 1
6	SB	A/MIX DRIVE SIGNAL 3

Connector No.	M56
Connector Name	MODE DOOR MOTOR
Connector Type	TH08FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	MODE DRIVE SIGNAL 1
2	Y	MODE DRIVE SIGNAL 2
3	W	MODE DRIVE SIGNAL 3
4	GR	MODE DRIVE SIGNAL 4
5	O	IGNITION POWER SUPPLY

JCMWN0450GB

A
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J
K
L
PG
N
O
P

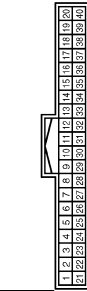
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

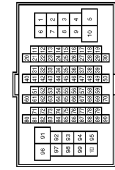
IGNITION POWER SUPPLY FUSE No. 2

Connector No.	M65
Connector Name	BCM BODY CONTROL MODULE
Connector Type	TH4CFV-NH



Terminal No.	Color of Wire	Signal Name [Specification]
2	BR/W	COMBI SW INPUT 5
3	GR	COMBI SW INPUT 4
4	L/Y	COMBI SW INPUT 3
5	G	COMBI SW INPUT 2
6	L/R	COMBI SW INPUT 1
7	W/B	KEY CYL UNLOCK SW
8	W/B	KEY CYL LOCK SW
9	R	STOP LAMP SW
10	W/L	REAR WINDOW DEFOGGER SW
11	L/Y	ACC
12	SB	PASSENGER DOOR SW
13	GR/L	REAR RH DOOR SW
14	L/B	OPTICAL SENSOR
17	R/G	OPTICAL SENSOR POWER SUPPLY
18	V	RECEIVER / SENSOR GND
19	BR	KEYLESS ENTRY RECEIVER POWER SUPPLY
20	G/Y	KEYLESS ENTRY RECEIVER COMM
21	P/L	NATS ANTENNA AMP
23	R/Y	SECURITY INDICATOR LAMP
24	GR/R	DONGLE LINK
25	LG	NATS ANTENNA AMP
26	GR	THERMO CONTROL AMP
27	Y/G	A/C SW (RtH auto A/C)
27	Y/R	A/C SW (With manual A/C)
28	G/W	BLOWER FAN SW
29	L/W	HAZARD SW
31	G/Y	FR DEFROSTER SW
32	LG	COMBI SW OUTPUT 5
33	Y/L	COMBI SW OUTPUT 4
34	W	COMBI SW OUTPUT 3
35	R/L	COMBI SW OUTPUT 2
36	L/O	COMBI SW OUTPUT 1
37	R/W	KEY SWITCH
38	O	IGN
39	L	CAN-H
40	P	CAN-L

Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	TH4CFW-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	B/O	
2	R	
3	G/R	
4	G/B	
5	L	
6	L	
7	W/R	
8	G/W	
9	Y/L	
10	W	
31	GR/L	
32	L/B	
33	R/Y	
34	SB	
35	BR	
36	G	
39	L/R	
44	G/O	
45	LG/R	
46	GR/W	
48	L/O	
51	B/W	
53	R/L	
54	O	
57	GR	
59	V	
60	R/W	
61	V/W	
62	W/L	
63	W/B	
67	Y/R	
68	LG	
70	SHIELD	
71	P/B	
72	R/G	
73	R	
74	L/Y	
76	W/G	

77	GR/R	-
78	O	-
79	LG	-
80	P	-
81	L	-
82	GR	-
83	G/R	-
84	B	-
87	G	-
91	R	-
92	O	-
93	Y	-
94	R/B	-
95	L/W	-
96	Y	-
97	L	-
98	BR/W	-
99	W	-
100	G/R	-

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

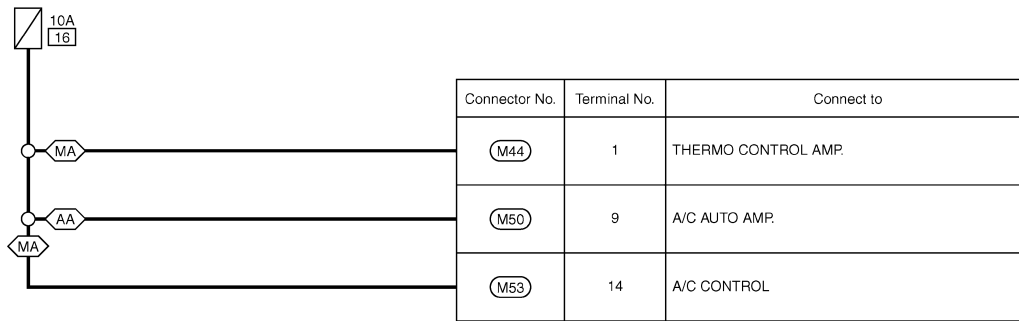
[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 16 -

INFOID:000000006504846

IGNITION POWER SUPPLY FUSE No. 16

AA: With auto A/C
 MA: With manual A/C



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

PG

2009/10/02

JCMWM5388GB

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY FUSE No. 16

Connector No.	M44
Connector Name	THERMO CONTROL AMP.
Connector Type	SDFW



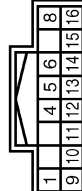
Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	GR	-
3	B	-
4	V	-
5	B/W	-

Connector No.	M50
Connector Name	A/C AUTO AMP.
Connector Type	TK20FGY



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	ILLUMINATION POWER SUPPLY
2	R	A/C AUTO AMP. CONNECTION RECOGNITION SIGNAL
3	R	INTAKE DOOR MOTOR P/B POWER SUPPLY
4	LG	BATTERY POWER SUPPLY
5	O	IGNITION POWER SUPPLY
6	R/W	SENSOR GROUND
9	Y	IGNITION POWER SUPPLY
11	B/R	ILLUMINATION GROUND
12	L	FRE DRIVE SIGNAL
13	G	REC DRIVE SIGNAL
16	B	GROUND
17	BR	A/MIX DRIVE SIGNAL 4
18	SB	A/MIX DRIVE SIGNAL 3
19	GR	A/MIX DRIVE SIGNAL 2
20	P	A/MIX DRIVE SIGNAL 1

Connector No.	M53
Connector Name	A/C CONTROL
Connector Type	TH1EFW-NH



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

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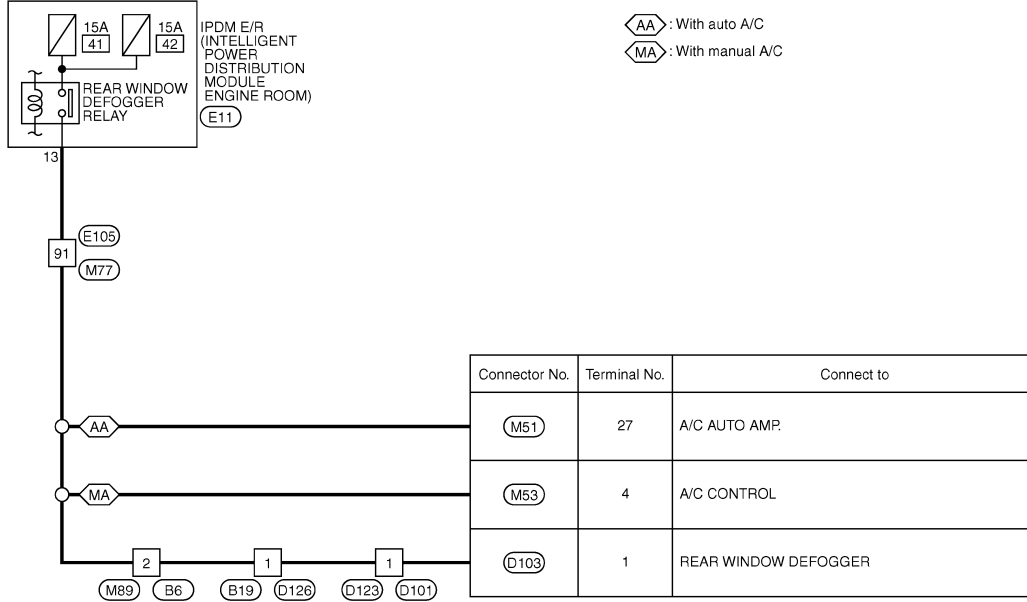
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 41, 42 - IGNITION POWER SUPPLY FUSE No. 41, 42

INFOID:000000006504847



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

PG

2010/10/14

JCMWN0453GB

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY FUSE No. 41, 42

Connector No.	B6
Connector Name	WIRE TO WIRE
Connector Type	MO2MW-LC



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

Connector No.	B19
Connector Name	WIRE TO WIRE
Connector Type	MO2MW-LC



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

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

Connector No.	D101
Connector Name	WIRE TO WIRE
Connector Type	MO2MW-LC



1	2
---	---

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

Connector No.	D103
Connector Name	REAR WINDOW DEFOGGER
Connector Type	PRO1FB-A



1

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

Connector No.	D123
Connector Name	WIRE TO WIRE
Connector Type	MO2FW-LC



1	2
---	---

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

Connector No.	D126
Connector Name	WIRE TO WIRE
Connector Type	MO2FW-LC



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

Connector No.	E11
Connector Name	ENGINE R INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	MO2FE-LC



11	10	9
14	13	12

Terminal No.	9		
Color of Wire	B/W		
Signal Name [Specification]			
Terminal No.	10		
Color of Wire	L		
Signal Name [Specification]			
Terminal No.	13		
Color of Wire	W		
Signal Name [Specification]			

Connector No.	E105
Connector Name	WIRE TO WIRE
Connector Type	THE2MW-CS16-TM4



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

45	V		
46	P		
48	L		
51	BR		[With CVT]
51	B		[With M/T]
53	SB		
54	W		[With CVT]
54	O		[With M/T]
57	LG		
59	L		
60	O		
61	G		
62	W		
63	L		
67	GR		[With CVT]
67	V		[With M/T]
69	P		
70	SHIELD		
71	GR		
72	LG		
73	P		
74	V		
76	Y		
77	LG		
78	O		
79	G		
80	P		
81	L		
82	W		
83	BR		
84	B		
87	GR		
91	W		
92	Y		
93	Y		
94	R		
95	V		
96	V		
98	LG		
97	R		
98	SB		
99	G		
100	P		

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY FUSE No. 41, 42

Connector No.	M51
Connector Name	A/C AUTO AMP.
Connector Type	TK16GY



21	22	23	24	25	26	27	
29	30	31	32	33	34	35	36

Terminal No.	Color of Wire	Signal Name [Specification]
21	BR	WATER TEMPERATURE SIGNAL
22	V/W	AMBIENT SENSOR SIGNAL
23	O	INTAKE SENSOR SIGNAL
24	G	IN-VEHICLE SENSOR SIGNAL
25	P	SUNLOAD SENSOR SIGNAL
26	SB	INTAKE DOOR MOTOR PBR F/B SIGNAL
27	R	REAR WINDOW DEFOGGER F/B SIGNAL
29	GR	MODE DRIVE SIGNAL 4
30	W	MODE DRIVE SIGNAL 3
31	Y	MODE DRIVE SIGNAL 2
32	V	MODE DRIVE SIGNAL 1
33	W/L	REAR WINDOW DEFOGGER ON SIGNAL
34	Y/G	A/C ON SIGNAL
35	G/W	BLOWER FAN ON SIGNAL
36	GR/R	POWER TRANSISTOR CONTROL SIGNAL



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

Terminal No.	Color of Wire	Signal Name [Specification]
1	W	
4	R	
5	W/L	
6	G/Y	
8	G	
9	B/R	
10	B/W	

11	V		
12	Y/R		
13	SB		
14	T		
15	B		
16	L		

Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4



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

67	Y/R		
69	LG		
70	SHIELD		
71	P/B		
72	R/G		
73	R		
74	L/Y		
76	W/G		
77	GR/R		
78	O		
79	LG		
80	P		
81	L		
82	GR		
83	G/R		
84	B		
87	G		
91	R		
92	O		
93	Y		
94	R/B		
95	L/W		
96	Y		
97	L		
98	BR/W		
99	W		
100	G/R		

Connector No.	M89
Connector Name	WIRE TO WIRE
Connector Type	M04FW-LC



2	1
4	3

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

JCMWN0455GB

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

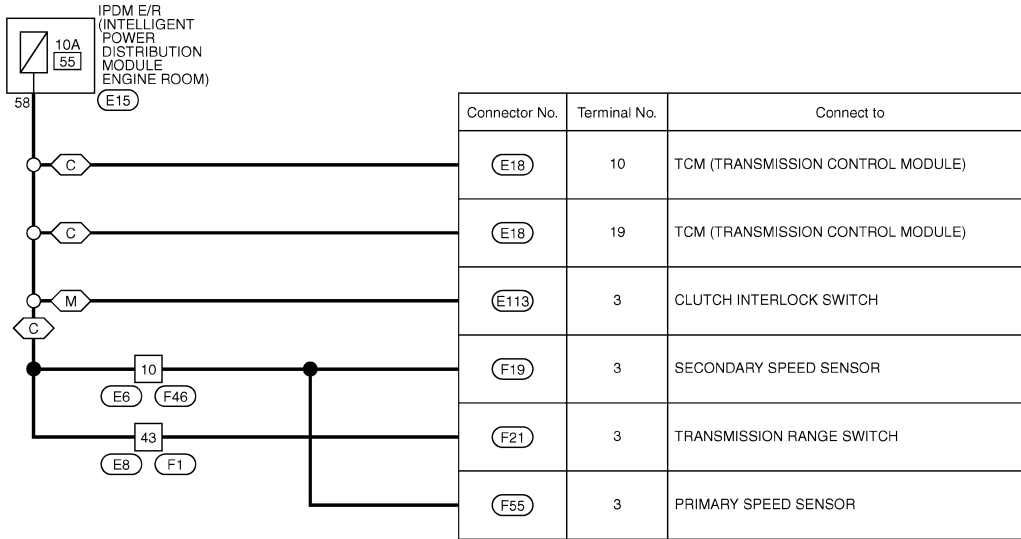
[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 55 -

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IGNITION POWER SUPPLY FUSE No. 55

⬡ C : With CVT
 ⬡ M : With M/T



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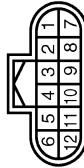
POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

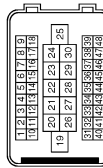
IGNITION POWER SUPPLY FUSE No. 55

Connector No.	E6
Connector Name	WIRE TO WIRE
Connector Type	RH12FB



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

Connector No.	EB
Connector Name	WIRE TO WIRE
Connector Type	SAA330MB-RS10-SJ22



Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	
2	LG	
3	Y	
4	W	
7	Y	
8	SB	
9	L	
10	V	
11	P	
12	BR	
13	LG	

14	Y	
15	SB	
16	L	
17	W	
18	O	
21	G	
22	Y	
23	SB	
24	W	
25	BR	
26	B/Y	- [For California]
27	GR	- [Except for California]
28	P	
29	V	
30	G	
31	G	
32	O	
33	W	
34	Y	
35	V	
36	P	
37	LG	
38	SB	
39	SB	
40	GR	
41	O	
42	V	
43	R	- [With CVT]
43	LG	- [With M/T]
44	R	
46	W	
47	G	
48	BR	

Connector No.	E15
Connector Name	INTELLIGENT POWER DISTRIBUTION MODULE FRAME BOW
Connector Type	NS16FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
47	BR	
49	W	
50	GR	

51	R	
52	P	
54	GR	
55	P	
56	SB	
57	G	
58	R	- [With CVT]
58	Y	- [With M/T]
60	V	
61	W	
62	L	

Connector No.	E18
Connector Name	TCM (TRANSMISSION CONTROL MODULE)
Connector Type	TK24FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	
2	LG	
3	BR	
4	O	
5	L	
6	P	
10	R	
11	W	
12	L	
13	SB	
14	P	
15	V	
18	BR	
19	R	
20	SB	
21	Y	
22	GR	

Connector No.	E113
Connector Name	CLUTCH INTERLOCK SWITCH
Connector Type	MO4FW-LC



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

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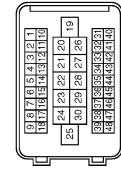
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY FUSE No. 55

Connector No.	F1
Connector Name	WIRE TO WIRE
Connector Type	SA33FB-RS10-SJZ2



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

43	R	-
44	P	-
46	GR	-
47	Y	-
48	BR	-

Connector No.	F19
Connector Name	SECONDARY SPEED SENSOR
Connector Type	RK03FB



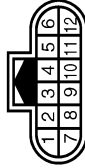
Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
2	G	-
3	R	-

Connector No.	F21
Connector Name	TRANSMISSION RANGE SWITCH
Connector Type	RK0BFG



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

Connector No.	F46
Connector Name	WIRE TO WIRE
Connector Type	RH12NB



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

Connector No.	F55
Connector Name	PRIMARY SPEED SENSOR
Connector Type	RK03FB



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

POWER SUPPLY ROUTING CIRCUIT

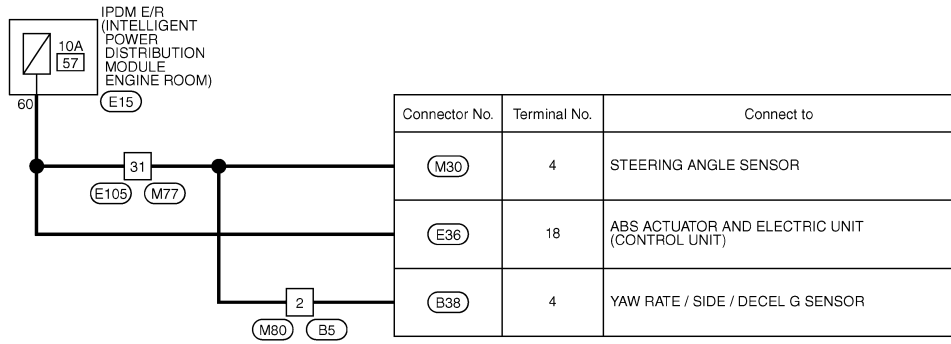
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 57 -

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IGNITION POWER SUPPLY FUSE No. 57



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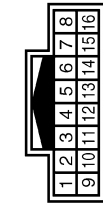
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY FUSE No. 57

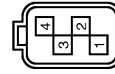
Connector No.	E85
Connector Name	WIRE TO WIRE
Connector Type	TH16MW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	-
2	GR	-
5	V	-
6	W	-
8	LG	-
9	R	-
11	O	-
13	GR	-
14	P	-
16	W	-



Connector No.	E38
Connector Name	YAW RATE / SIDE / DIESEL G SENSOR
Connector Type	AAZDMFE



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

Connector No.	E15
Connector Name	ENGINE INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	NS1EFW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
47	BR	-
49	W	-
50	GR	-
51	R	-
52	P	-
54	GR	-
55	P	-
56	SB	-
57	G	-
58	R	-
58	Y	- [With CVT]
59	Y	-
60	V	-
61	W	-
62	L	-

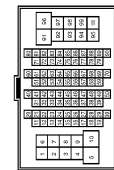
Connector No.	E36
Connector Name	AUS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT)
Connector Type	BAA22FB-AH24-RH



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	GND (MTR)
2	Y	BAT (MTR)
3	L	BAT (SOL)
4	B	GND (SOL)
5	Y	DS FL
6	W	DP RL
8	O	DP RR

9	L	DP FR
10	R	DS FR
11	LG	K LINE
14	GR	CAN-L
15	P	CAN-L
16	BR	DP FL
17	G	DS RL
18	V	IGN
19	SB	DS RR
20	W	STOP LAMP SW
21	P	VDC OFF SW
25	R	CAN-H
26	L	CAN-H

Connector No.	E105
Connector Name	WIRE TO WIRE
Connector Type	TH60MW-CS18-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	-
2	W	-
3	SB	-
4	G	-
5	P	-
6	L	- [With NAVI]
6	R	- [Without NAVI]
7	Y	-
8	O	-
9	W	-
10	SB	-
31	V	-
32	R	-
33	GR	-
34	P	-
35	Y	-
36	BR	-
39	SB	-
44	R	-
45	V	-
46	P	-
48	L	-
51	BR	- [With CVT]

51	B	- [With M/T]
53	SB	-
54	W	- [With CVT]
54	O	- [With M/T]
57	LG	-
59	L	-
60	O	-
61	G	-
62	W	-
63	L	-
67	GR	- [With CVT]
67	V	- [With M/T]
70	SHIELD	-
71	GR	-
72	LG	-
73	P	-
74	V	-
76	Y	-
77	LG	-
78	O	-
79	G	-
80	P	-
81	L	-
82	W	-
83	BR	-
84	B	-
87	GR	-
91	W	-
92	Y	-
93	Y	-
94	R	-
95	V	-
96	LG	-
97	R	-
98	SB	-
99	G	-
100	P	-

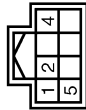
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

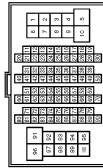
IGNITION POWER SUPPLY FUSE No. 57

Connector No.	M39
Connector Name	STEERING ANGLE SENSOR
Connector Type	TH16FW-NH



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

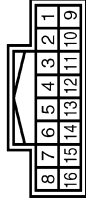
Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	TH16FW-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	B/O	-
2	P	-
3	G/R	-
4	G/B	-
5	L	-
6	L	-
7	W/R	-
8	G/W	-
9	Y/L	-
10	W	-
31	GR/L	-
32	L/B	-
33	R/Y	-
34	SB	-
35	BR	-
36	G	-
38	L/R	-
44	G/O	-

45	LG/R	-
46	GR/W	-
48	L/O	-
51	B/W	-
53	R/L	-
54	O	-
57	GR	-
59	V	-
60	R/W	-
61	V/W	-
62	W/L	-
63	W/B	-
67	Y/R	-
69	LG	-
70	SHIELD	-
71	P/B	-
72	R/G	-
73	R	-
74	L/Y	-
76	W/G	-
77	GR/R	-
78	O	-
79	LG	-
80	P	-
81	L	-
82	GR	-
83	G/R	-
84	B	-
87	G	-
91	R	-
92	O	-
93	Y	-
94	R/B	-
95	L/W	-
96	Y	-
97	L	-
98	BR/W	-
99	W	-
100	G/R	-

Connector No.	M89
Connector Name	WIRE TO WIRE
Connector Type	TH16FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	L/B	-
2	GR/L	-
5	W	-
6	W/L	-
8	BR/Y	-
9	R/Y	-
11	O	-
13	BR/W	-
14	W/B	-
16	W/G	-

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POWER SUPPLY ROUTING CIRCUIT

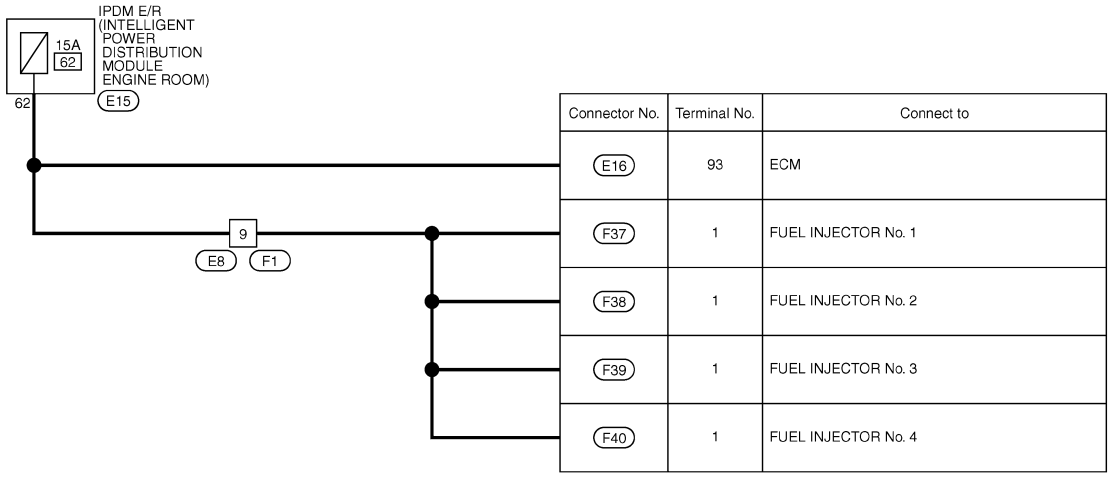
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[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 62 -

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IGNITION POWER SUPPLY FUSE No. 62



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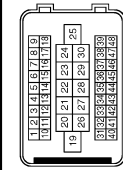
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY FUSE No. 62

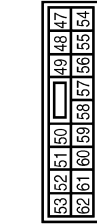
Connector No.	E8
Connector Name	WIRE TO WIRE
Connector Type	SAA38MB-RS10-SJZZ



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

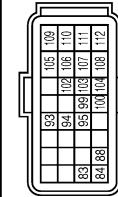
Terminal No.	43	R	- [With CVT]
	43	LG	- [With M/T]
	44	R	-
	46	W	-
	47	G	-
	48	BR	-

Connector No.	E15
Connector Name	WIRE FOR INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	NS18FY-CS



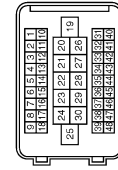
Terminal No.	Color of Wire	Signal Name [Specification]
47	BR	-
48	W	-
50	GR	-
51	R	-
52	P	-
54	GR	-
55	P	-
56	SB	-
57	G	-
58	R	- [With CVT]
58	Y	- [With M/T]
59	Y	-
60	V	-
61	W	-
62	L	-

Connector No.	E16
Connector Name	ECM
Connector Type	PH24FB-RZ8-LRH



Terminal No.	Color of Wire	Signal Name [Specification]
83	P	CAN-L
84	L	CAN-H
88	LG	K.LINE
93	L	IGNSW
94	SB	ASCSW
95	BR	GND-ASCSW [With CVT]
95	B	GND-ASCSW [With M/T]
99	SB	BRAKE
100	SB	BKCSW
102	O	AVCC-APS 2
103	G	APS 2
104	R	GND-APS 2
105	G	VBR
106	V	AVCC-APS 1
107	B	GND
108	B	GND
108	B	GND
110	BR	APS 1
111	Y	GND-APS 1
112	B	GND

Connector No.	F1
Connector Name	WIRE TO WIRE
Connector Type	SAA38FB-RS10-SJZZ



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

Terminal No.	17	P	-
	18	BR	-
	21	G	-
	22	L	-
	23	W	-
	24	R	-
	25	R	-
	26	B	-
	27	SB	-
	28	V	-
	29	V	-
	30	BR	-
	31	GR	-
	32	BR	-
	33	W	-
	34	LG	-
	35	V	-
	36	Y	-
	37	SB	- [For California]
	37	W	- [Except for California]
	39	G	-
	40	P	-
	41	O	-
	42	G	-
	43	R	-
	44	P	-
	46	GR	-
	47	Y	-
	48	BR	-

Connector No.	F37
Connector Name	FUEL INJECTOR No. 1
Connector Type	HS32ZFGY



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

JCMWN0460GB

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY FUSE No. 62

Connector No.	F38
Connector Name	FUEL INJECTOR No. 2
Connector Type	HS2EFGY



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

Connector No.	F39
Connector Name	FUEL INJECTOR No. 3
Connector Type	HS2EFGY



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

Connector No.	F40
Connector Name	FUEL INJECTOR No. 4
Connector Type	HS2EFGY



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

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POWER SUPPLY ROUTING CIRCUIT

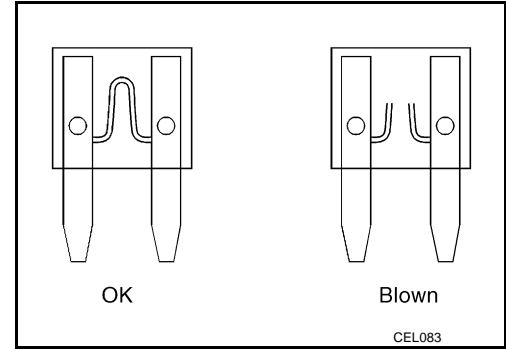
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[POWER SUPPLY & GROUND CIRCUIT]

Fuse

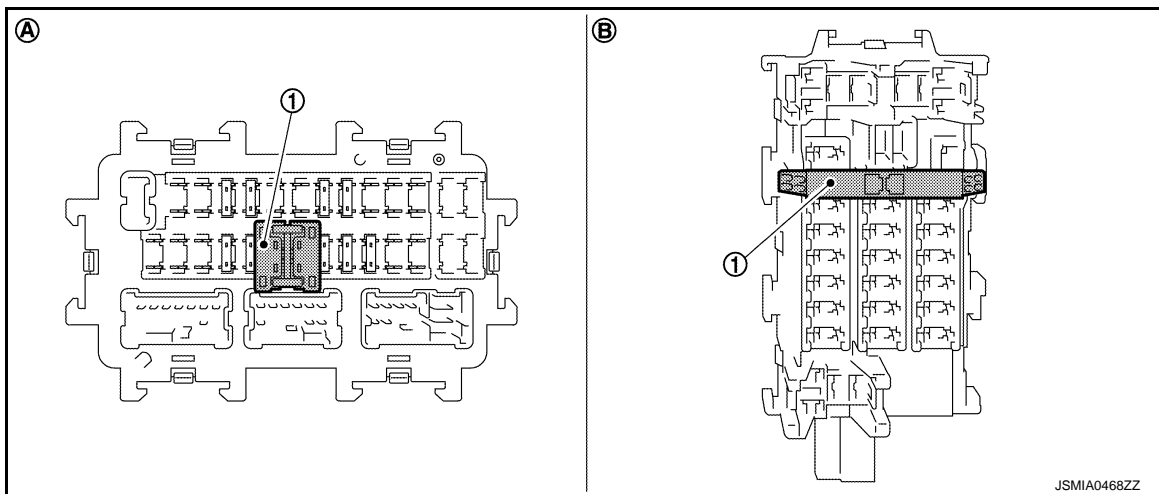
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- If fuse is blown, be sure to eliminate cause of malfunction before installing new fuse.
- Use fuse of specified rating. Never use fuse of more than specified rating.
- Do not partially install fuse; always insert it into fuse holder properly.
- Remove 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 the fuse of extended storage switch.
- Remove the extended storage switch if it causes the interference when the fuse or the other fuses is checked.

How To Extended Storage Switch ON/OFF

CAUTION:

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

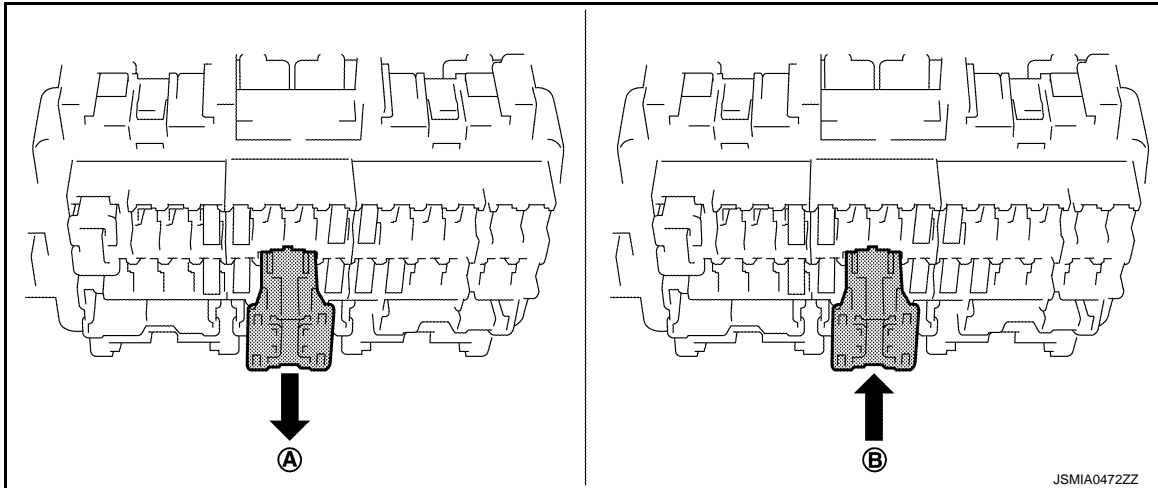
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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

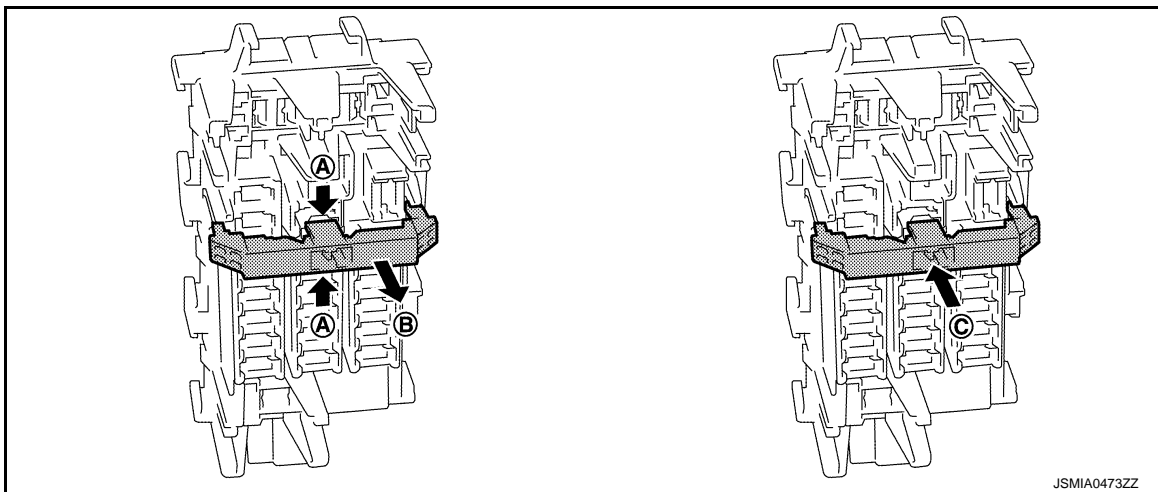
[POWER SUPPLY & GROUND CIRCUIT]

• 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

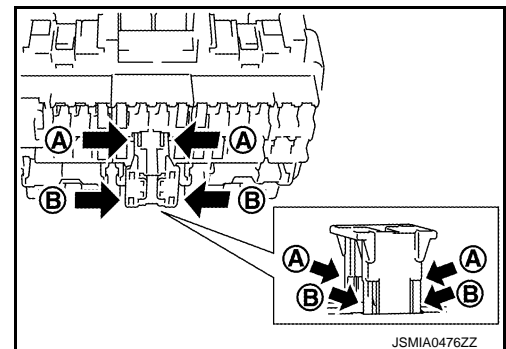


- To turn the extended storage switch OFF, hold (A) of the switch and pull up in (B) direction as shown in the figure.
- To turn the extended storage switch ON, press it in (C) direction as shown in the figure.

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.

POWER SUPPLY ROUTING CIRCUIT

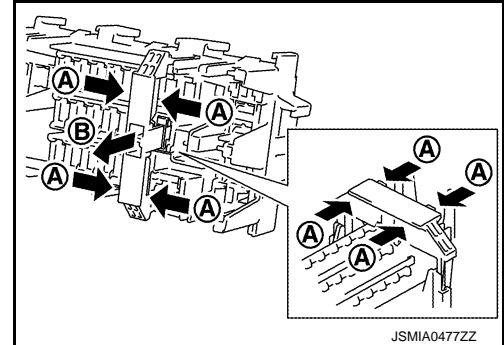
[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

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

Type B

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



NOTE:

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

Fusible Link

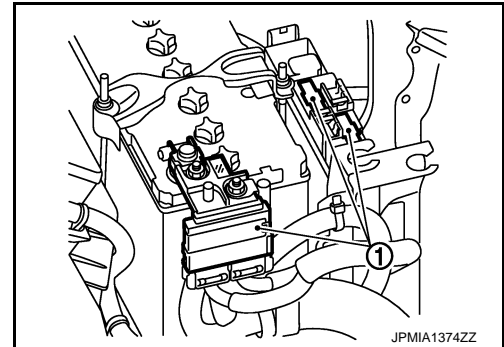
INFOID:000000006504852

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:

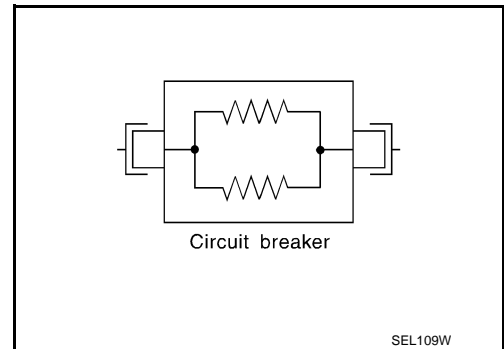
- If fusible link should melt, it is possible that critical circuit (power supply or large current carrying circuit) is shorted. In such a case, carefully check and eliminate cause of malfunction.
- Never wrap outside of fusible link with vinyl tape. Important: Never let fusible link touch any other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



Circuit Breaker

INFOID:000000006504853

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.



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OPTION HARNESS

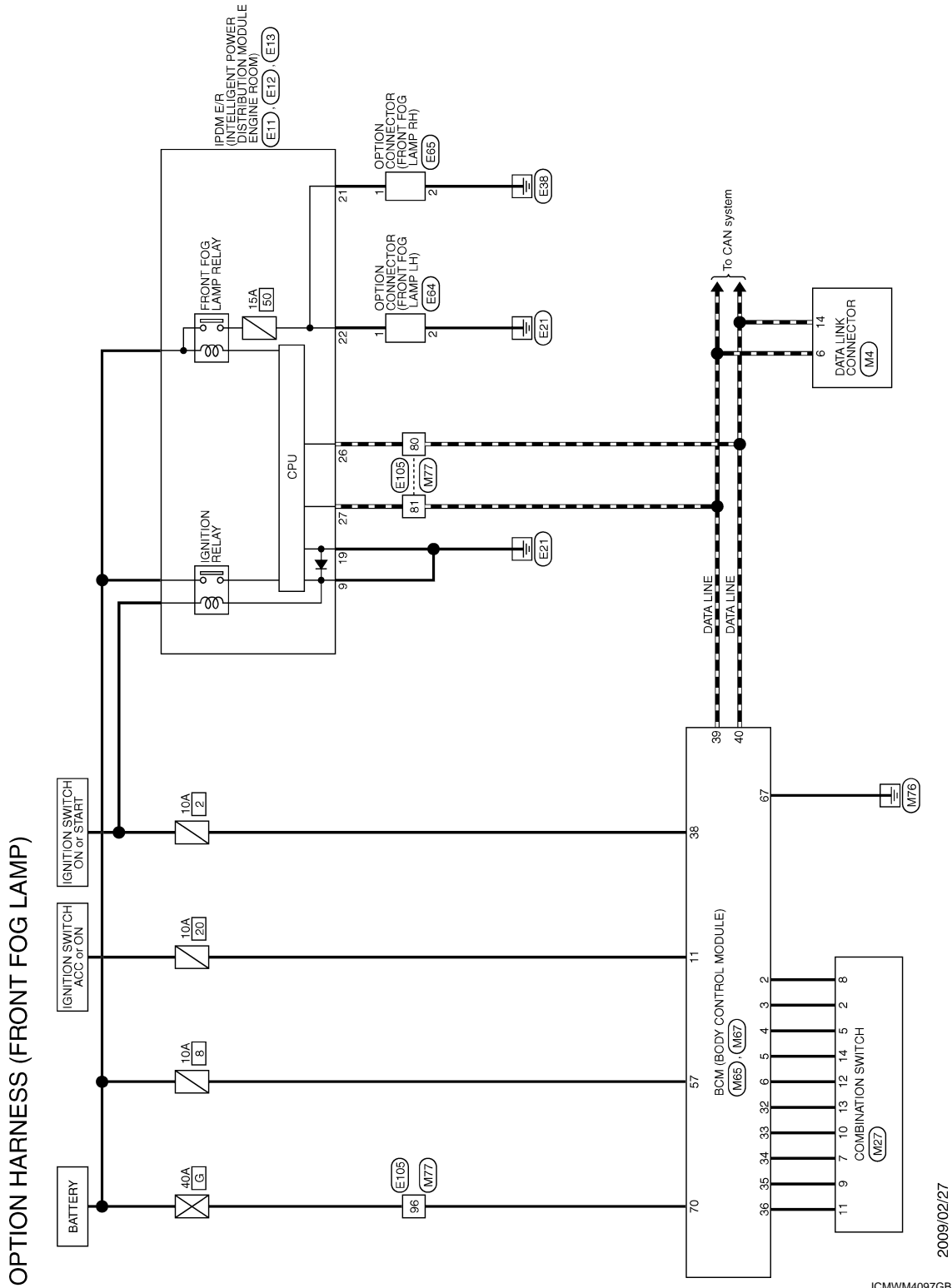
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

OPTION HARNESS

Wiring Diagram - OPTION HARNESS -

INFOID:000000006504854



2009/02/27

JCMWM4097GB

OPTION HARNESS

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

OPTION HARNESS (FRONT FOG LAMP)

Connector No.	E11
Connector Name	SPM E/F INTELLIGENT POWER DISTRIBUTION MODULE (FRONT ROOM)
Connector Type	M08FB-LC



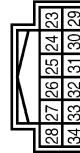
Terminal No.	Color of Wire	Signal Name [Specification]
9	B/W	
10	L	
13	W	

Connector No.	E12
Connector Name	SPM E/F INTELLIGENT POWER DISTRIBUTION MODULE (FRONT ROOM)
Connector Type	NS08FBF-CS



Terminal No.	Color of Wire	Signal Name [Specification]
18	Y	
19	B/W	
21	W	
22	V	

Connector No.	E13
Connector Name	SPM E/F INTELLIGENT POWER DISTRIBUTION MODULE (FRONT ROOM)
Connector Type	TH12FV-NH



Terminal No.	Color of Wire	Signal Name [Specification]
24	LC	
26	P	
27	L	
28	P	
30	SB	
31	W	
33	O	
34	R	

Connector No.	E64
Connector Name	OPTION CONNECTOR (FRONT FOG LAMP LH)
Connector Type	FC1240PC023SA019



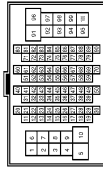
Terminal No.	Color of Wire	Signal Name [Specification]
1	V	
2	B/W	

Connector No.	E65
Connector Name	OPTION CONNECTOR (FRONT FOG LAMP RH)
Connector Type	FC1240PC023SA019



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

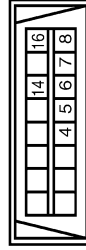
Connector No.	E105
Connector Name	WIRE TO WIRE
Connector Type	TH62MW-CS1.6-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	
2	W	
3	SB	
4	G	
5	P	
8	L	[With NAVI]
6	R	[Without NAVI]
7	Y	
8	O	
9	W	
10	SB	
31	V	
32	R	
33	GR	
34	P	
35	Y	
36	BR	
39	SB	
44	R	
45	V	
46	P	
48	L	
51	BR	[With CVT]
53	B	[With M/T]
54	W	[With CVT]
57	LG	[With M/T]
59	L	
60	O	
61	G	
62	W	
63	L	
67	GR	[With CVT]
69	P	[With M/T]
70	SHIELD	
71	GR	

72	LG	
73	P	
74	V	
76	Y	
77	LG	
78	O	
79	G	
80	P	
81	L	
82	W	
83	BR	
84	B	
87	GR	
91	W	
92	Y	
93	Y	
94	R	
95	V	
96	LG	
97	R	
98	SB	
99	G	
100	P	

Connector No.	M4
Connector Name	DATA LINK CONNECTOR
Connector Type	BD10FW



Terminal No.	Color of Wire	Signal Name [Specification]
4	B	
5	B	
6	L	
7	GR/R	
8	O	
14	P	
16	LG/R	

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

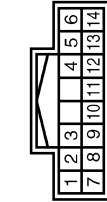
OPTION HARNESS

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

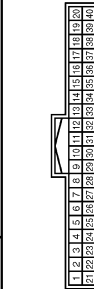
OPTION HARNESS (FRONT FOG LAMP)

Connector No.	M27
Connector Name	COMBINATION SWITCH
Connector Type	TH16PW-NH



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

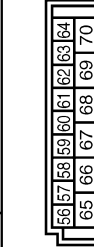
Connector No.	M65
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40PW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
2	BR/W	COMBI SW INPUT 5
3	GR	COMBI SW INPUT 4
4	L/Y	COMBI SW INPUT 3
5	G	COMBI SW INPUT 2
6	L/R	COMBI SW INPUT 1
7	W/R	KEY CYL UNLOCK SW
8	W/B	KEY CYL LOCK SW
9	R	STOP LAMP SW

10	W/L	REAR WINDOW DEFROGGER SW
11	L/Y	ACC
12	SB	PASSENGER DOOR SW
13	GR/L	REAR RH DOOR SW
14	L/B	OPTICAL SENSOR
17	R/G	OPTICAL SENSOR POWER SUPPLY
18	V	RECEIVER / SENSOR GND
19	BR	KEYLESS ENTRY RECEIVER POWER SUPPLY
20	G/Y	KEYLESS ENTRY RECEIVER COMM
21	P/L	NATS ANTENNA AMP
23	R/Y	SECURITY INDICATOR LAMP
24	GR/R	DONGLE LINK
25	LG	NATS ANTENNA AMP
26	GR	THERMO CONTROL AMP
27	Y/G	A/C SW [With auto A/C]
27	Y/R	A/C SW [With manual A/C]
28	G/W	BLOWER FAN SW
29	L/W	HAZARD SW
31	G/Y	FR DEFROSTER SW
32	LG	COMBI SW OUTPUT 5
33	Y/L	COMBI SW OUTPUT 4
34	W	COMBI SW OUTPUT 3
35	R/L	COMBI SW OUTPUT 2
36	L/O	COMBI SW OUTPUT 1
37	R/W	KEY SWITCH
38	O	IGN
39	L	CAN-H
40	P	CAN-L

Connector No.	M67
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	FE40RFB-FH4G-SA

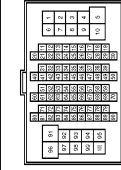


Terminal No.	Color of Wire	Signal Name [Specification]
56	L	INTERIOR ROOM LAMP POWER SUPPLY
57	Y	BAT (FUSE)
58	L/B	DRIVER DOOR UNLOCK OUTPUT
60	W/B	TURN SIGNAL LH OUTPUT
61	W/L	TURN SIGNAL RH OUTPUT
62	W/L	ROOM LAMP TIMER CONTROL
63	BR	ALL DOOR LOCK OUTPUT
65	V	PASSENGER DOOR REAR DOOR UNLOCK OUTPUT
66	G	

70	SHIELD	-
71	P/B	-
72	R/G	-
73	R	-
74	L/Y	-
76	W/G	-
77	GR/R	-
78	O	-
79	LG	-
80	P	-
81	L	-
82	GR	-
83	G/R	-
84	B	-
87	G	-
91	R	-
92	O	-
93	Y	-
94	R/B	-
95	L/W	-
96	Y	-
97	L	-
98	BR/W	-
99	W	-
100	G/R	-

67	B	GND
68	L	POWER WINDOW POWER SUPPLY (GN)
69	L/W	POWER WINDOW POWER SUPPLY (BAT)
70	Y	BAT (7/L)

Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	TH80PW-CS16-TM4



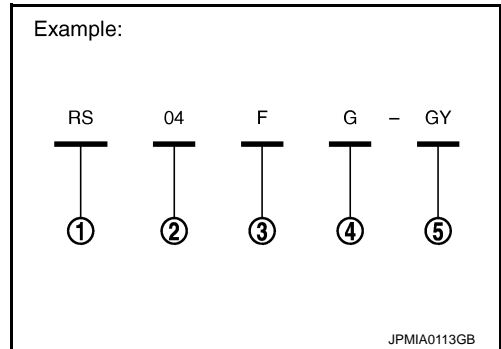
Terminal No.	Color of Wire	Signal Name [Specification]
1	B/O	-
2	R	-
3	G/R	-
4	G/B	-
5	L	-
6	L	-
7	W/R	-
8	G/W	-
9	Y/L	-
10	W	-
31	GR/L	-
32	L/B	-
33	R/Y	-
34	SB	-
35	BR	-
36	G	-
38	L/R	-
44	G/O	-
45	LG/R	-
46	GR/W	-
48	L/O	-
51	B/W	-
53	R/L	-
54	O	-
57	GR	-
59	V	-
60	R/W	-
61	V/W	-
62	W/L	-
63	W/B	-
67	Y/R	-
68	LG	-

HARNESS LAYOUT

How To Read Harness Layout

INFOID:000000006504855

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



CONNECTOR SYMBOL

Main symbols of connector (in Harness Layout) are indicated in the below.

Connector type	Water proof type		Standard type	
	Male	Female	Male	Female
Connector symbol				
Ground terminal etc.	—			

JPMIA0114GB

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PG

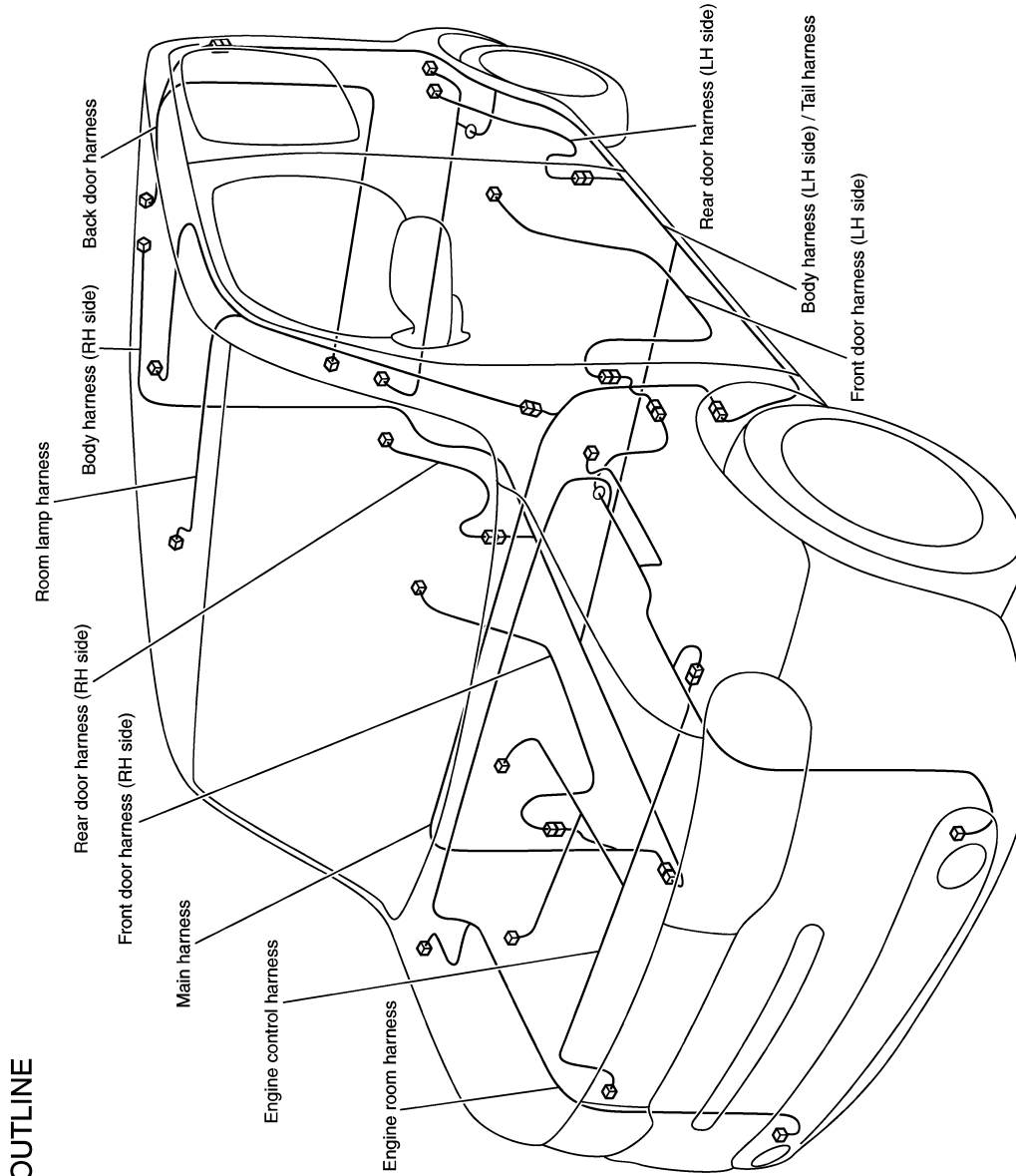
HARNESSES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Outline

INFOID:000000006504856



OUTLINE

2009/10/02

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HARNES LAYOUT

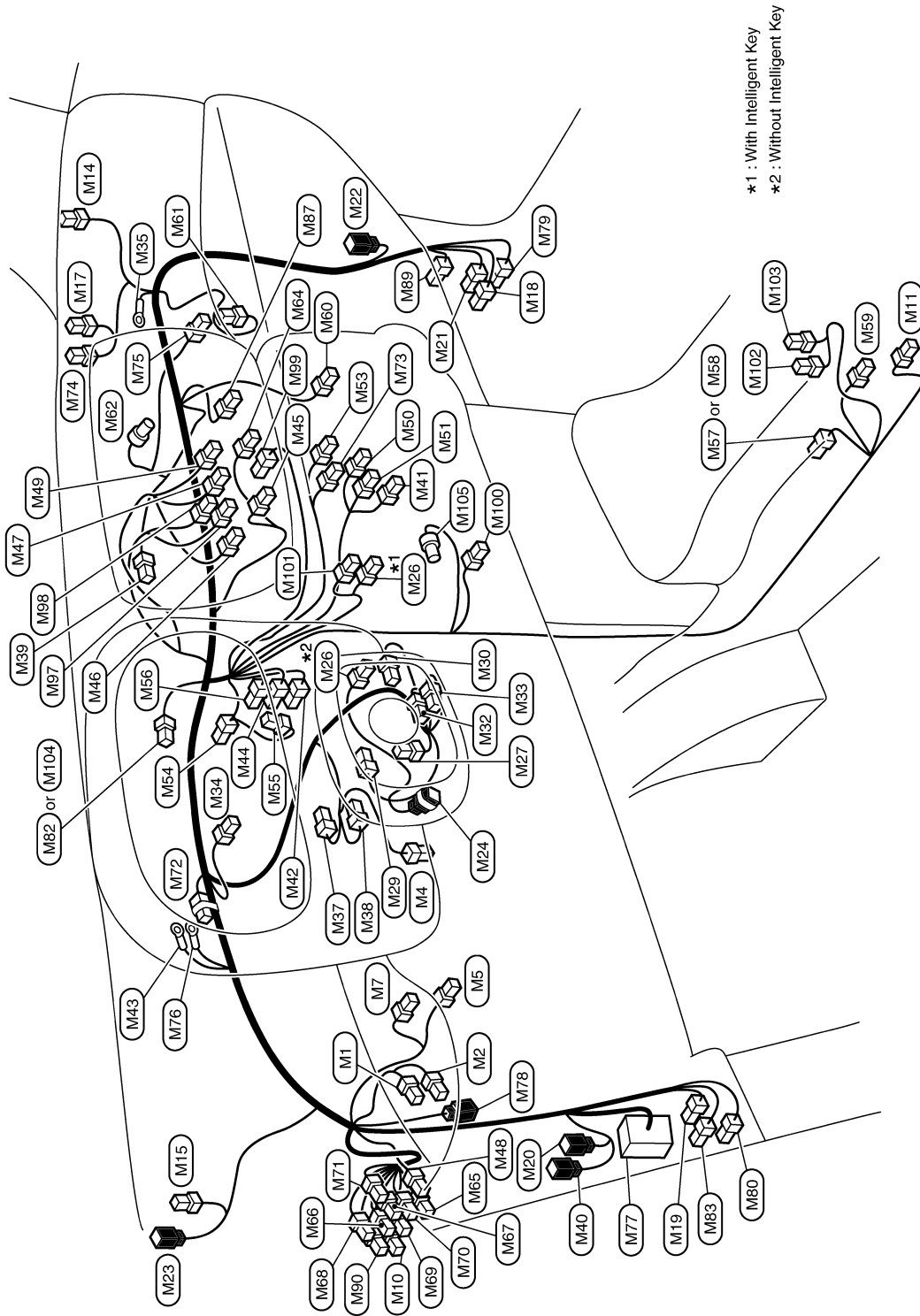
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Main Harness

INFOID:000000006504857

MAIN HARNESS



2010/10/14

JCMIM1727GB

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HARNESS LAYOUT

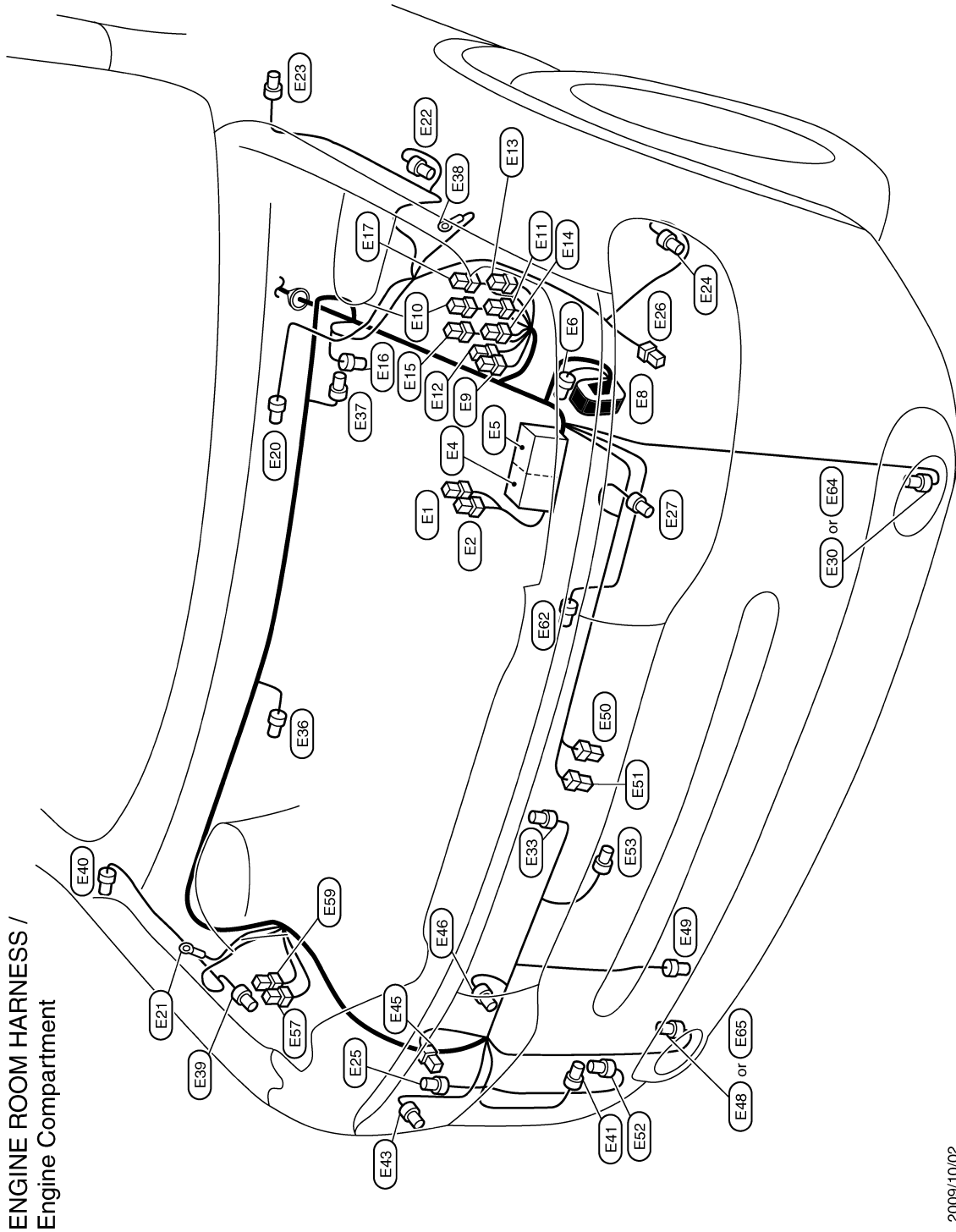
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Engine Room Harness

INFOID:000000006504858

ENGINE COMPARTMENT



ENGINE ROOM HARNESS /
Engine Compartment

2009/10/02

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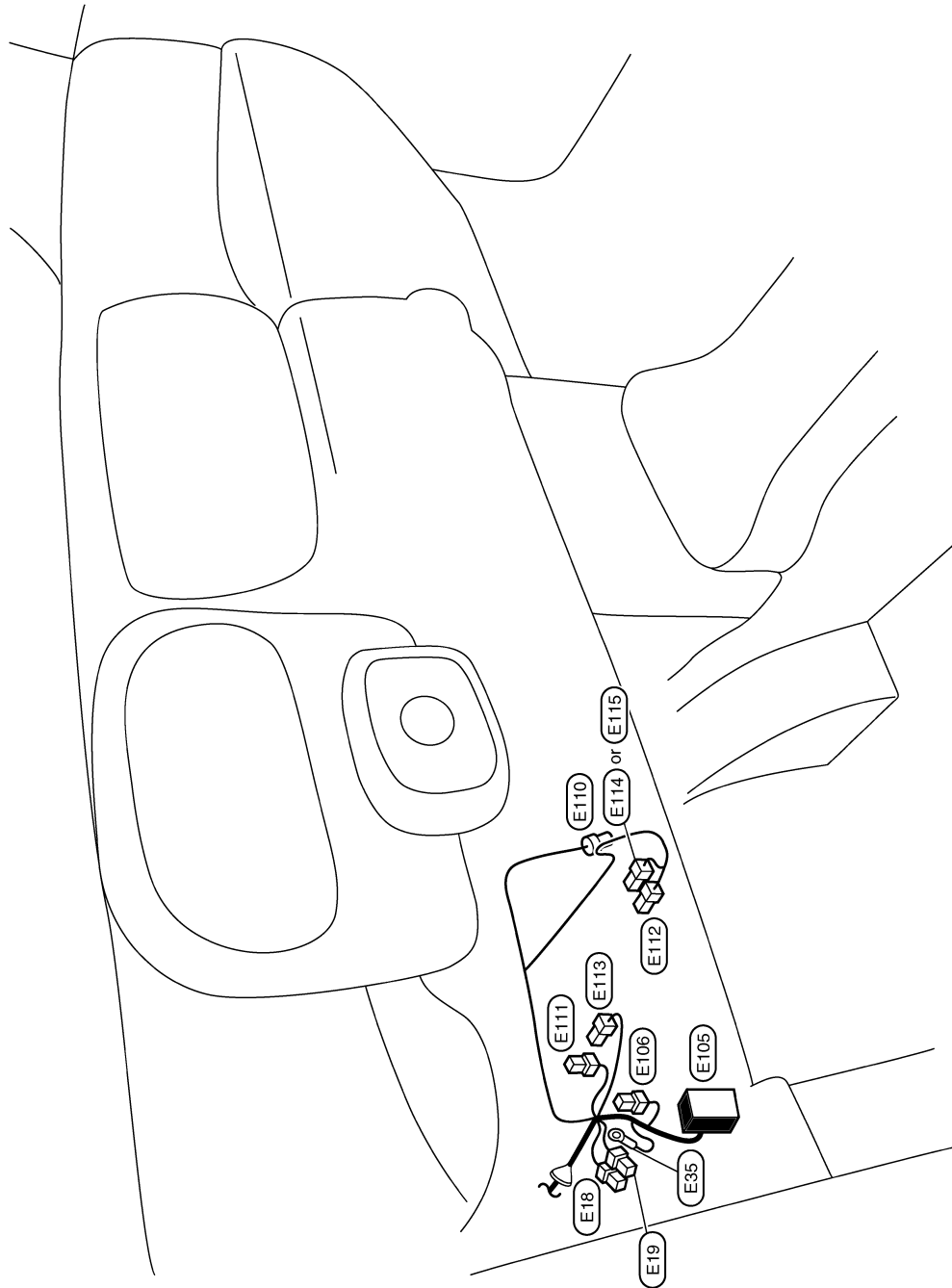
HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

PASSENGER COMPARTMENT

Passenger Compartment



2009/02/27

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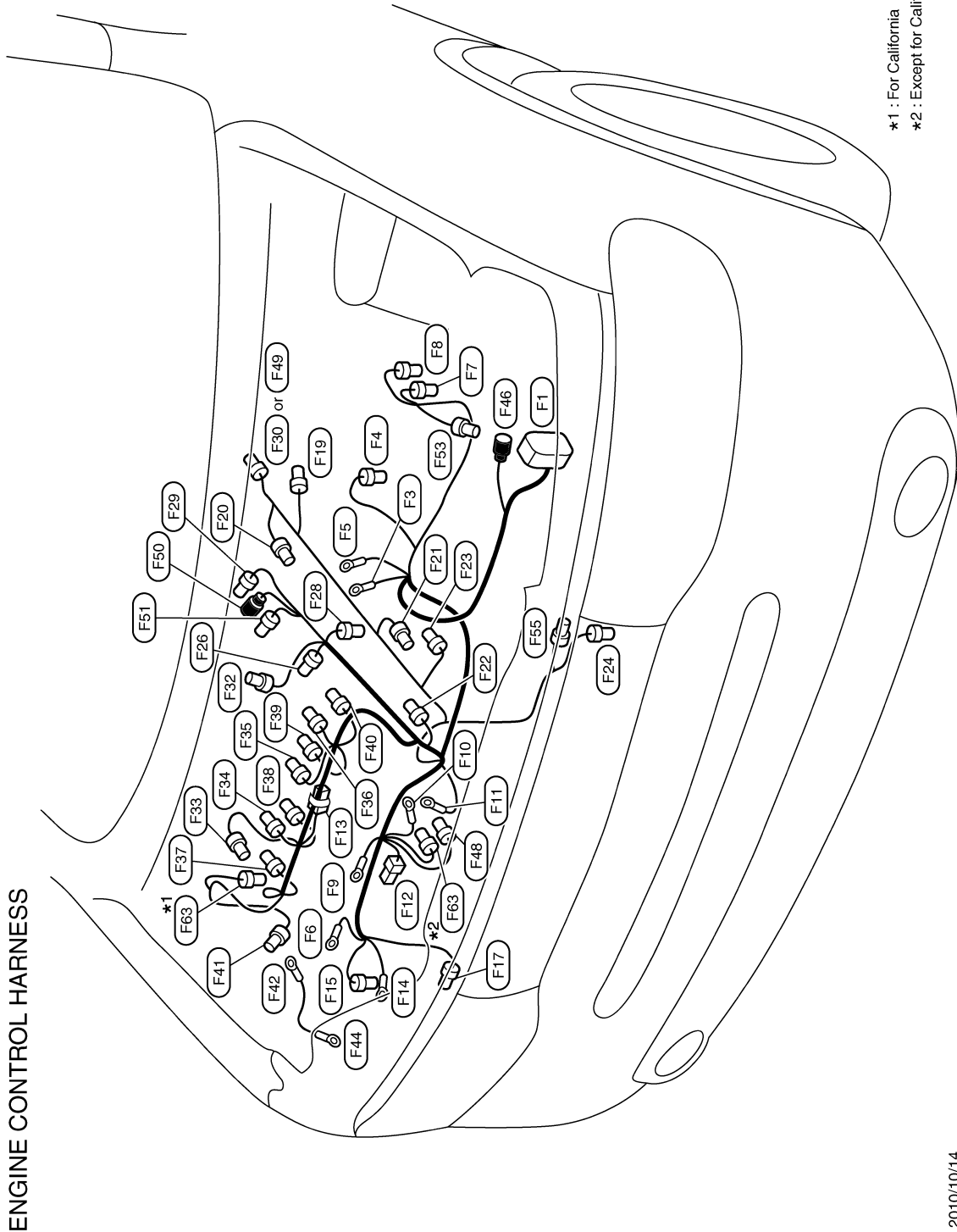
HARNES LAYOUT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

Engine Control Harness

INFOID:000000006504859



*1 : For California
*2 : Except for California

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2010/10/14

HARNES LAYOUT

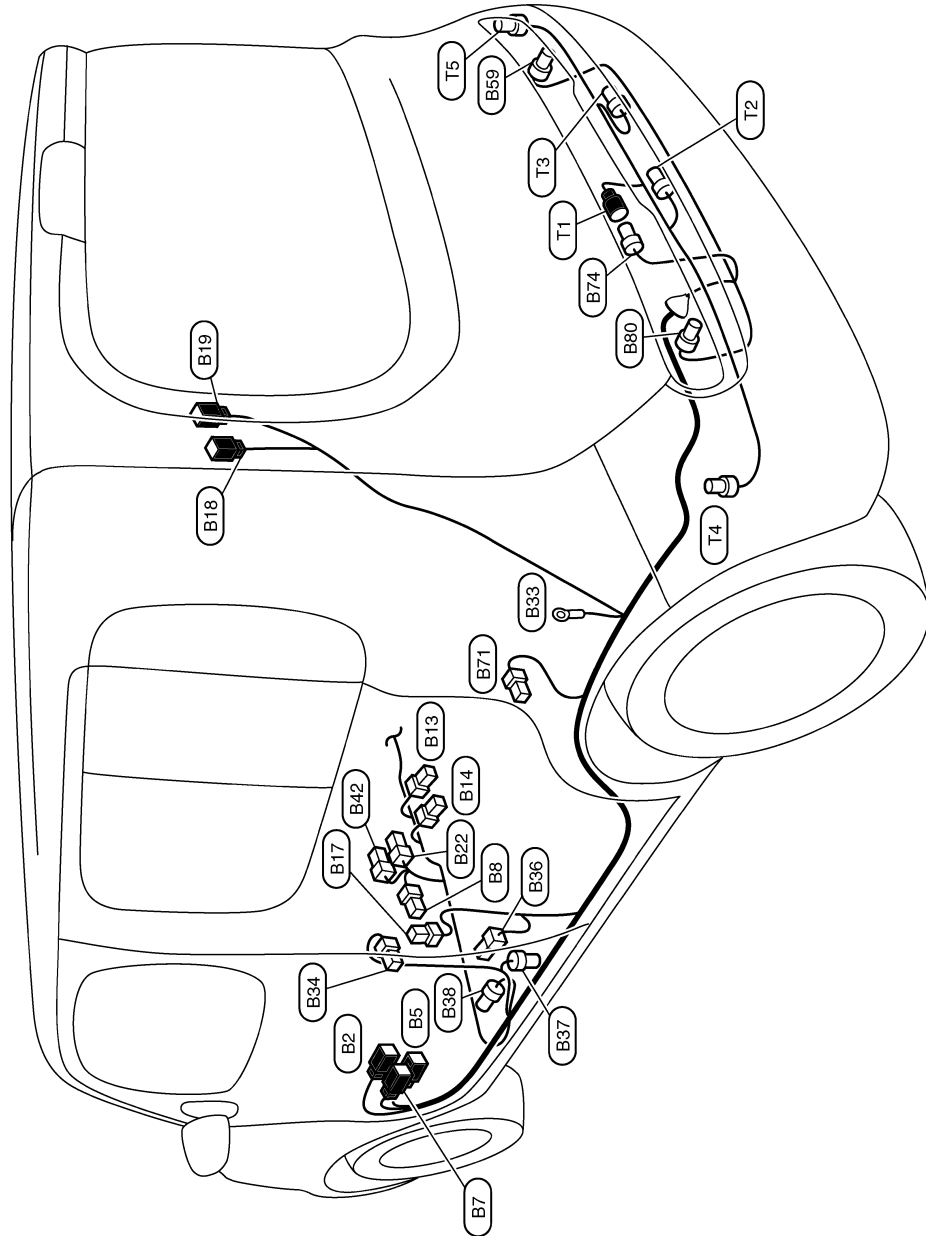
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Body Harness (LH Side)/Tail Harness

INFOID:000000006504860

BODY HARNESS (LH SIDE) / TAIL HARNESS



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2010/10/14

JCMIM1729GB

HARNES LAYOUT

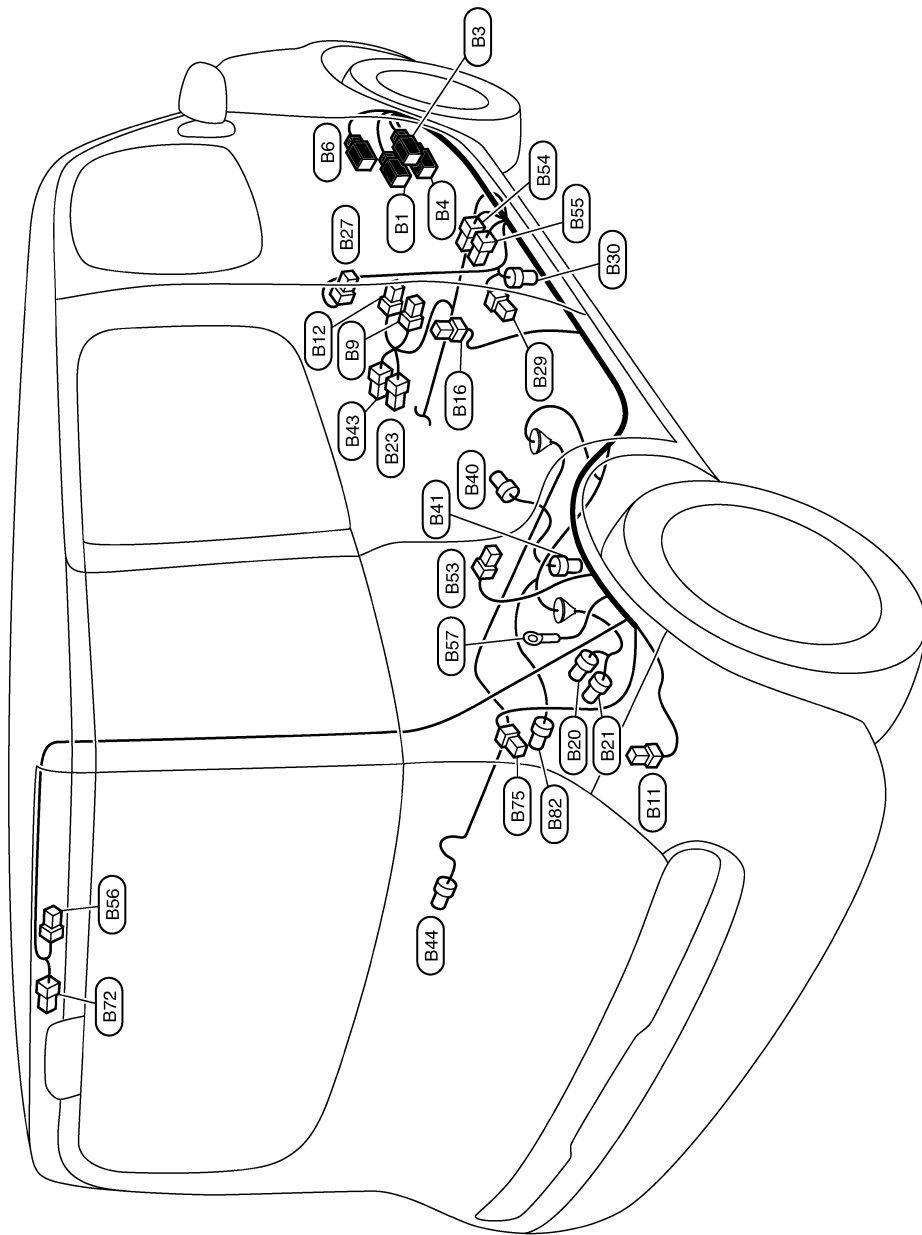
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Body Harness (RH Side)

INFOID:000000006504861

BODY HARNESS (RH SIDE)



2010/10/14

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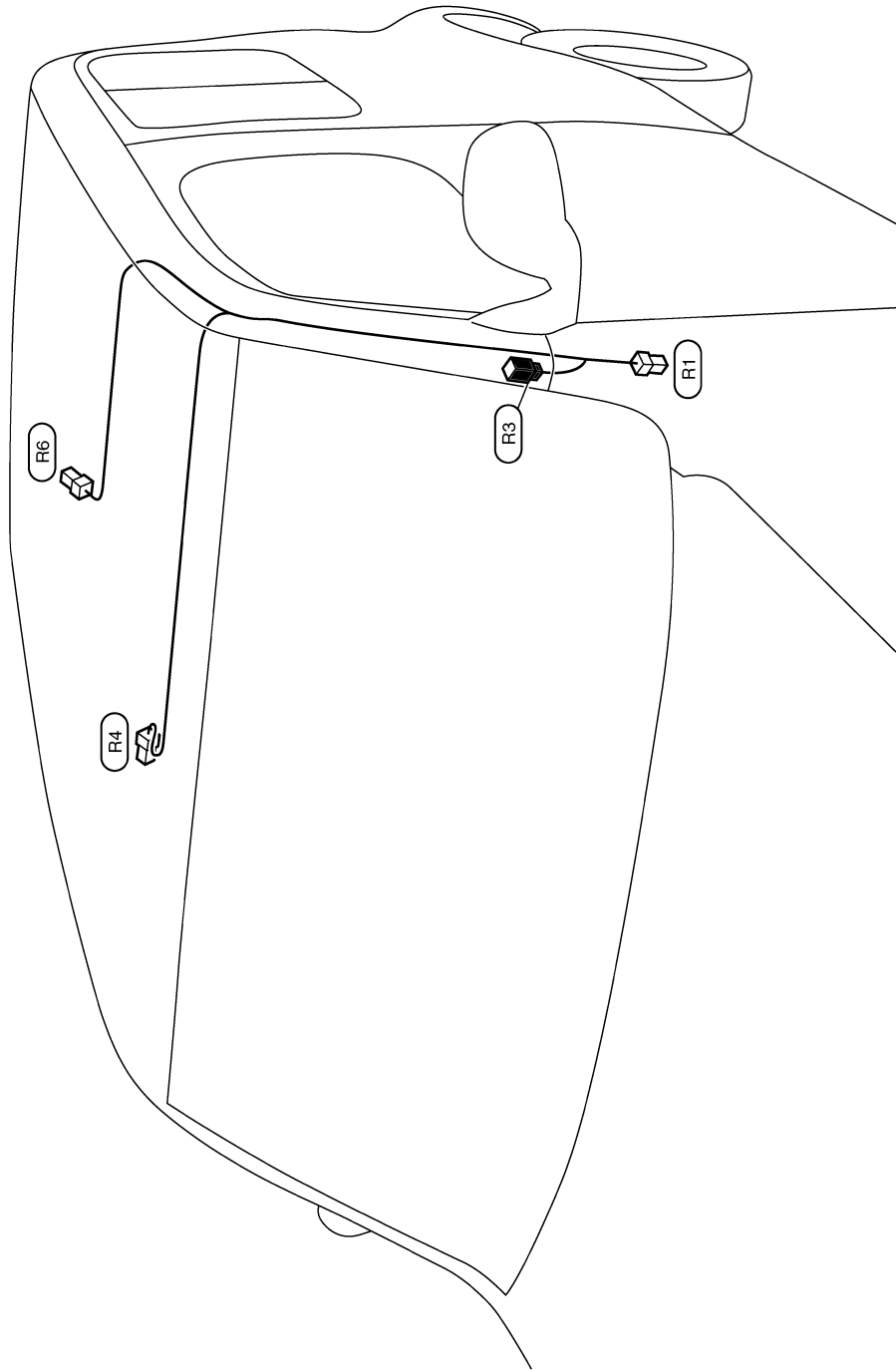
HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Room Lamp Harness

INFOID:000000006504862



ROOM LAMP HARNESS

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2009/02/27

JCMIM0733GB

HARNESS LAYOUT

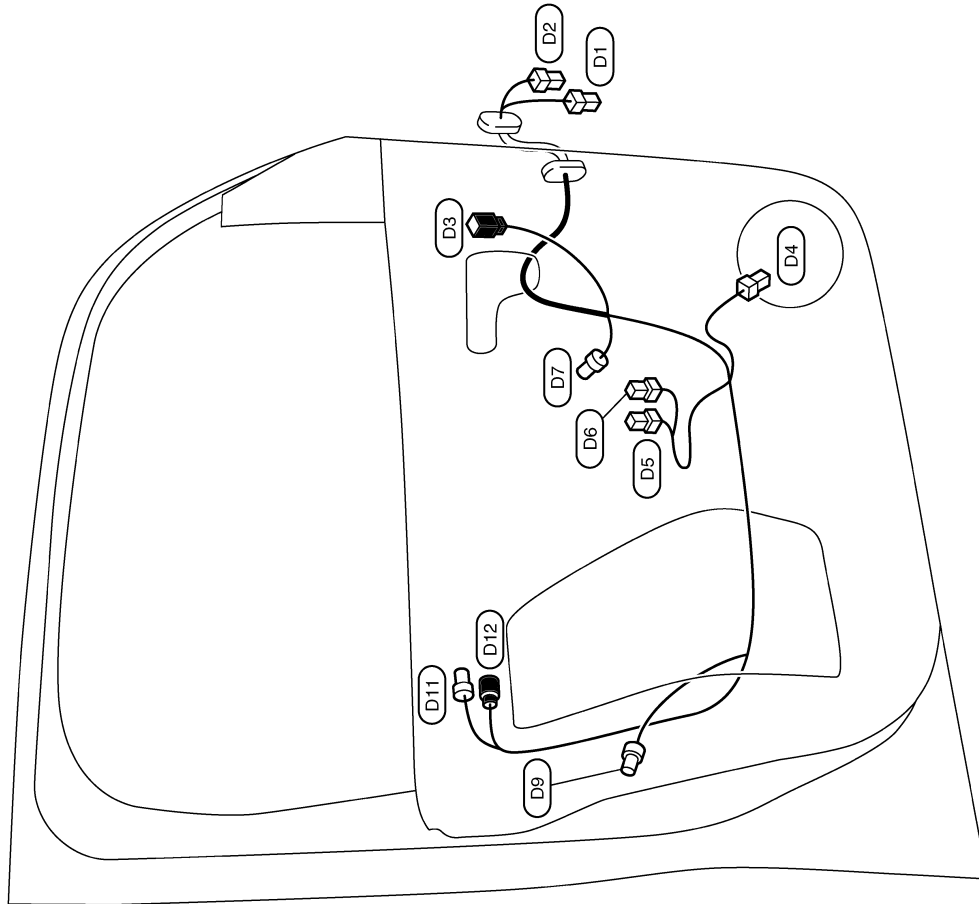
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Front Door Harness (LH Side)

INFOID:000000006504863

FRONT DOOR HARNESS (LH SIDE)



2009/10/02

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HARNES LAYOUT

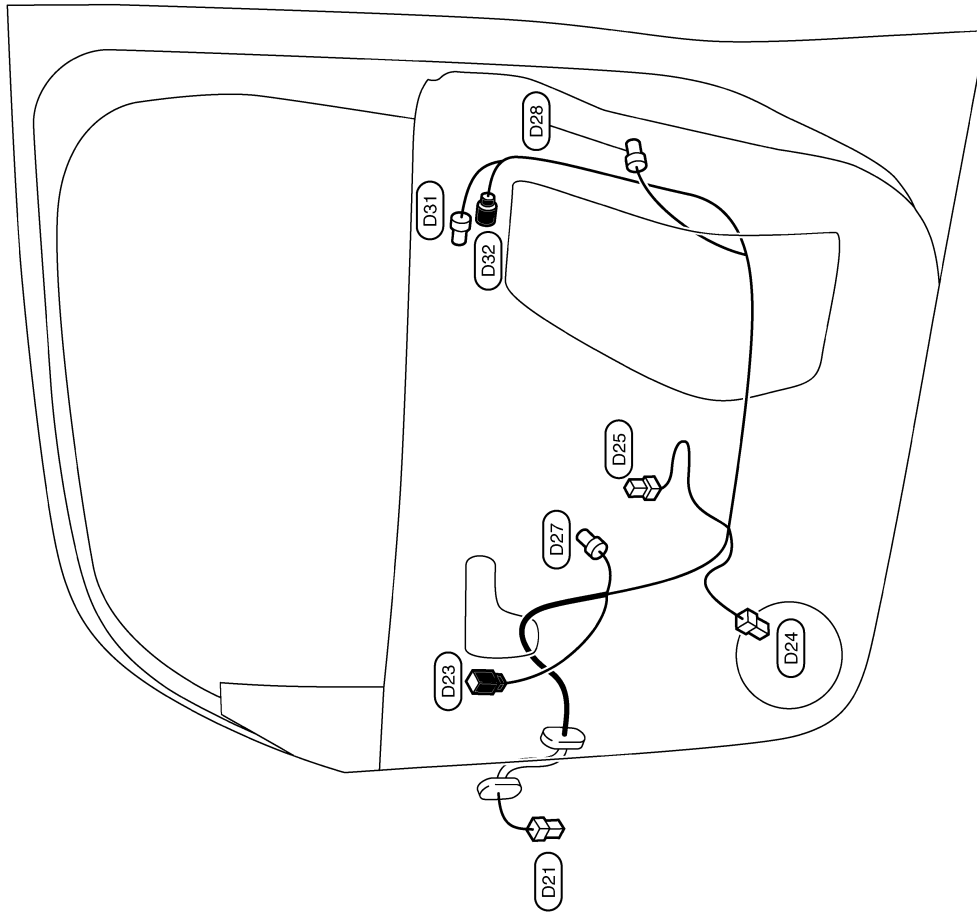
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Front Door Harness (RH Side)

INFOID:000000006504864

FRONT DOOR HARNESS (RH SIDE)



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2009/10/02

JCMIM0905GB

HARNESS LAYOUT

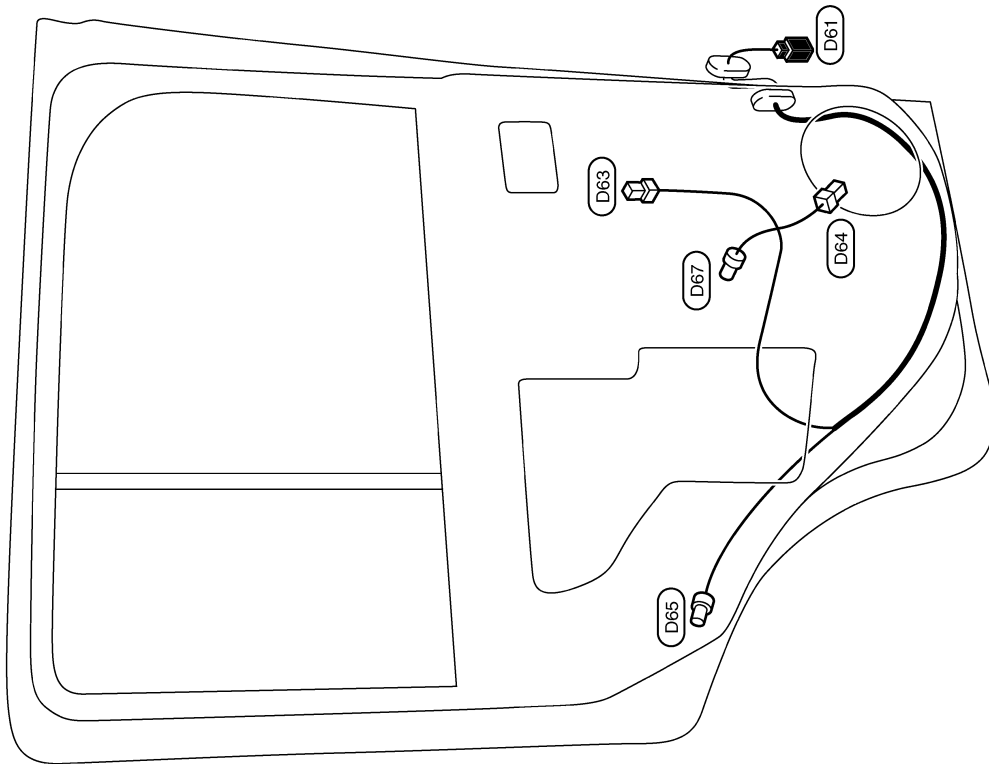
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Rear Door Harness (LH Side)

INFOID:000000006504865

REAR DOOR HARNESS (LH SIDE)



2009/10/02

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HARNES LAYOUT

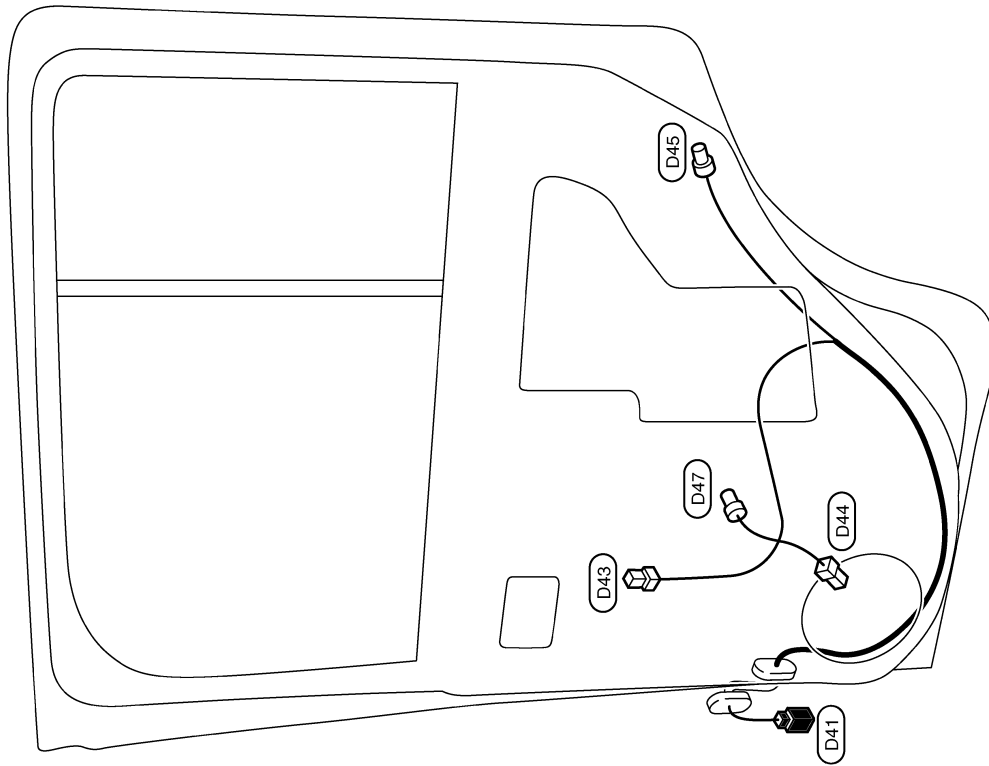
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Rear Door Harness (RH Side)

INFOID:000000006504866

REAR DOOR HARNESS (RH SIDE)



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2009/10/02

JCMIM0907GB

HARNESS LAYOUT

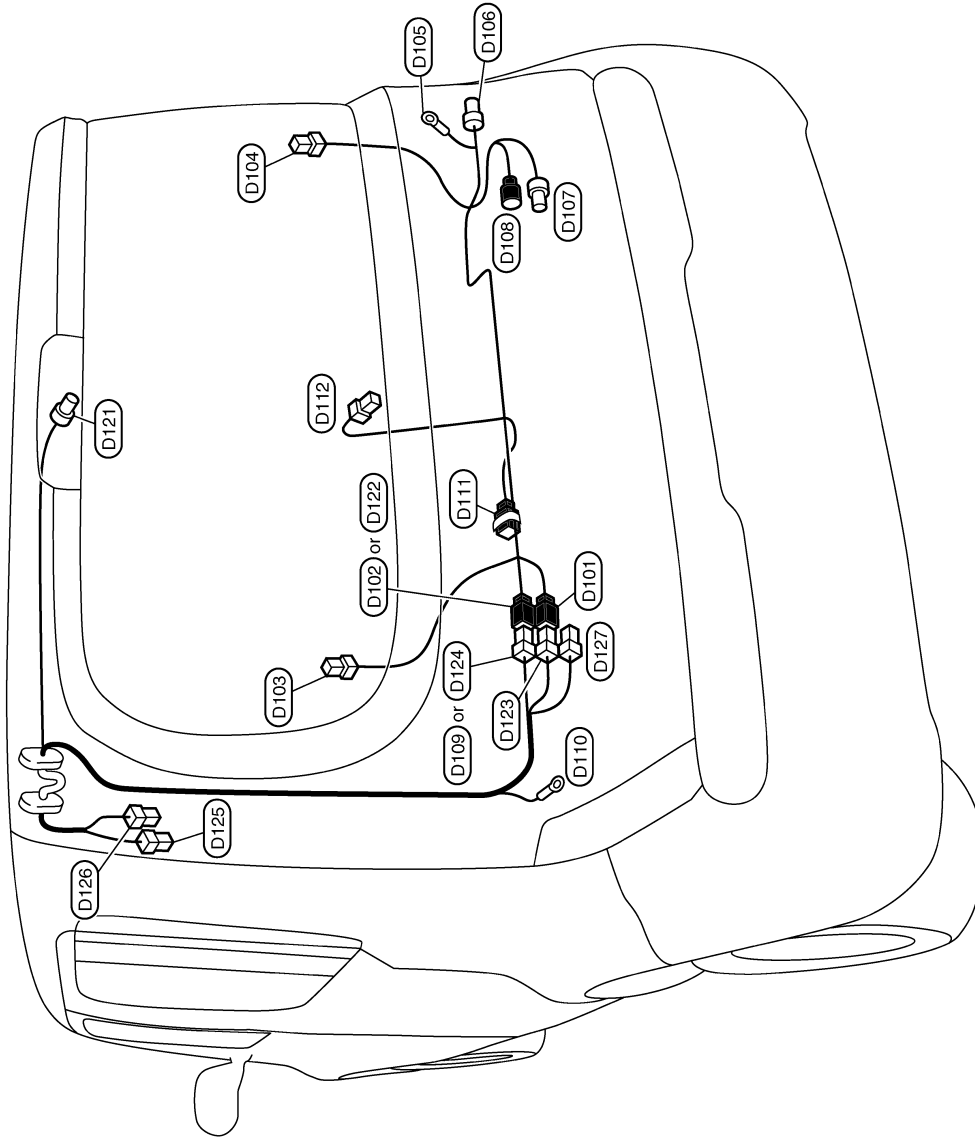
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Back Door Harness

INFOID:00000006504867

BACK DOOR HARNESS



2010/10/14

JCMIM1731GB

HARNESS CONNECTOR

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

HARNESS CONNECTOR

Description

INFOID:000000006504868

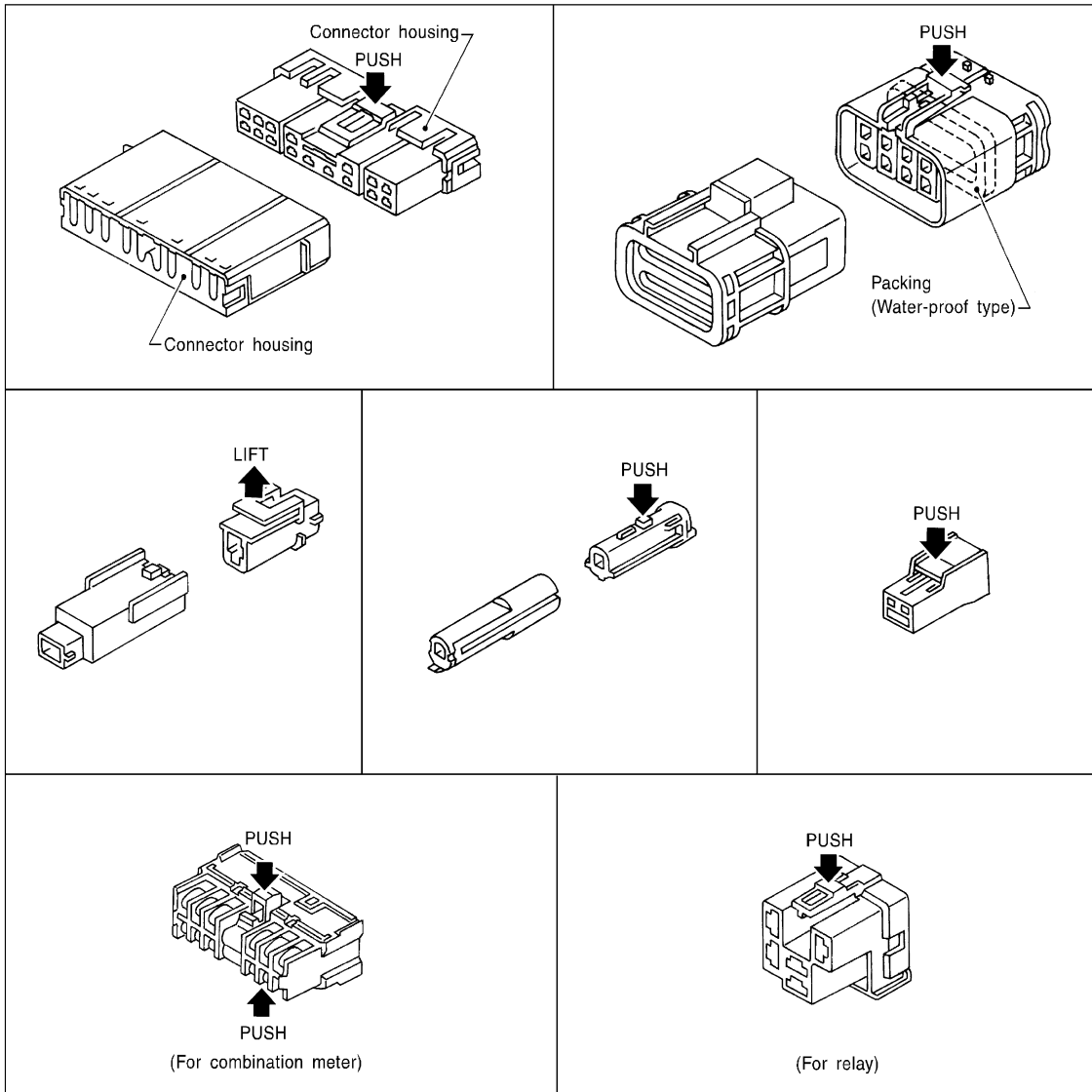
HARNESS CONNECTOR (TAB-LOCKING TYPE)

- 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.

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HARNESS CONNECTOR

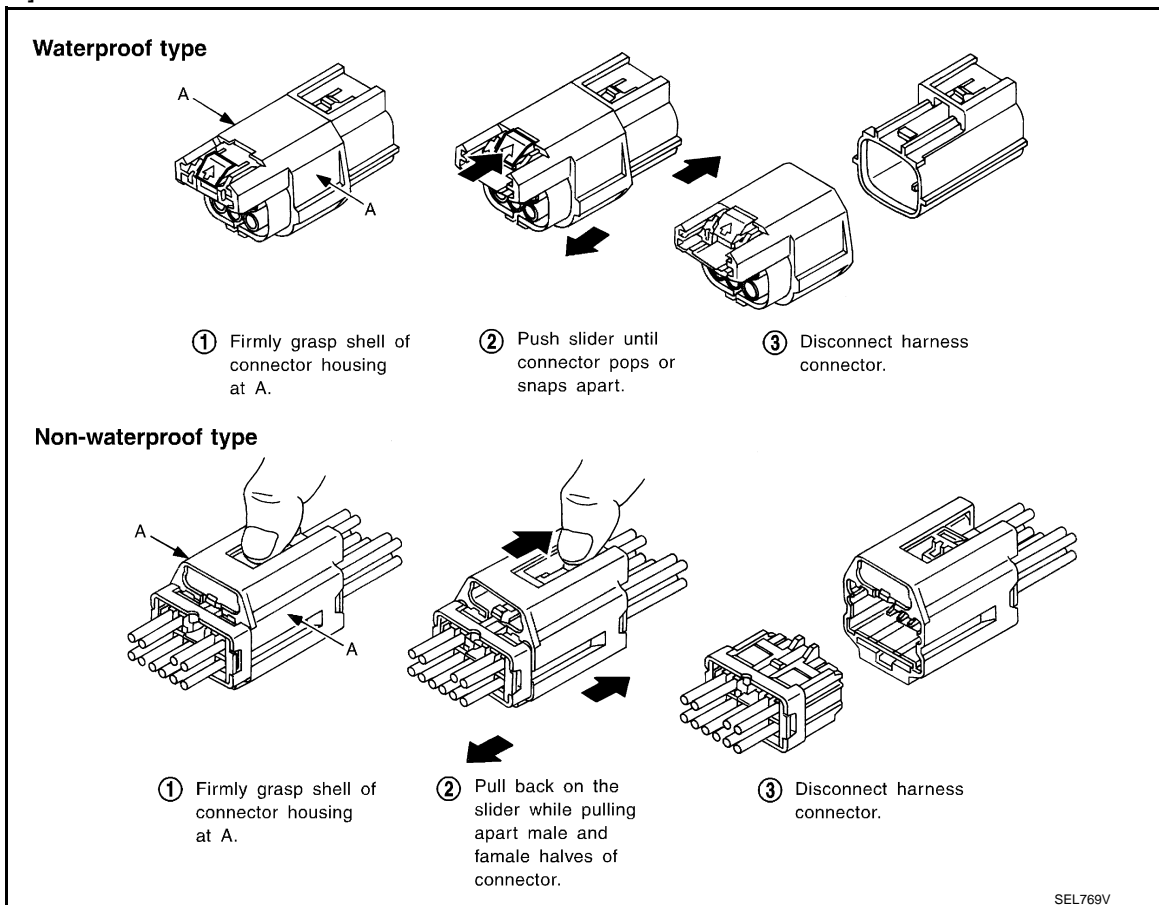
< DTC/CIRCUIT DIAGNOSIS >

[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.

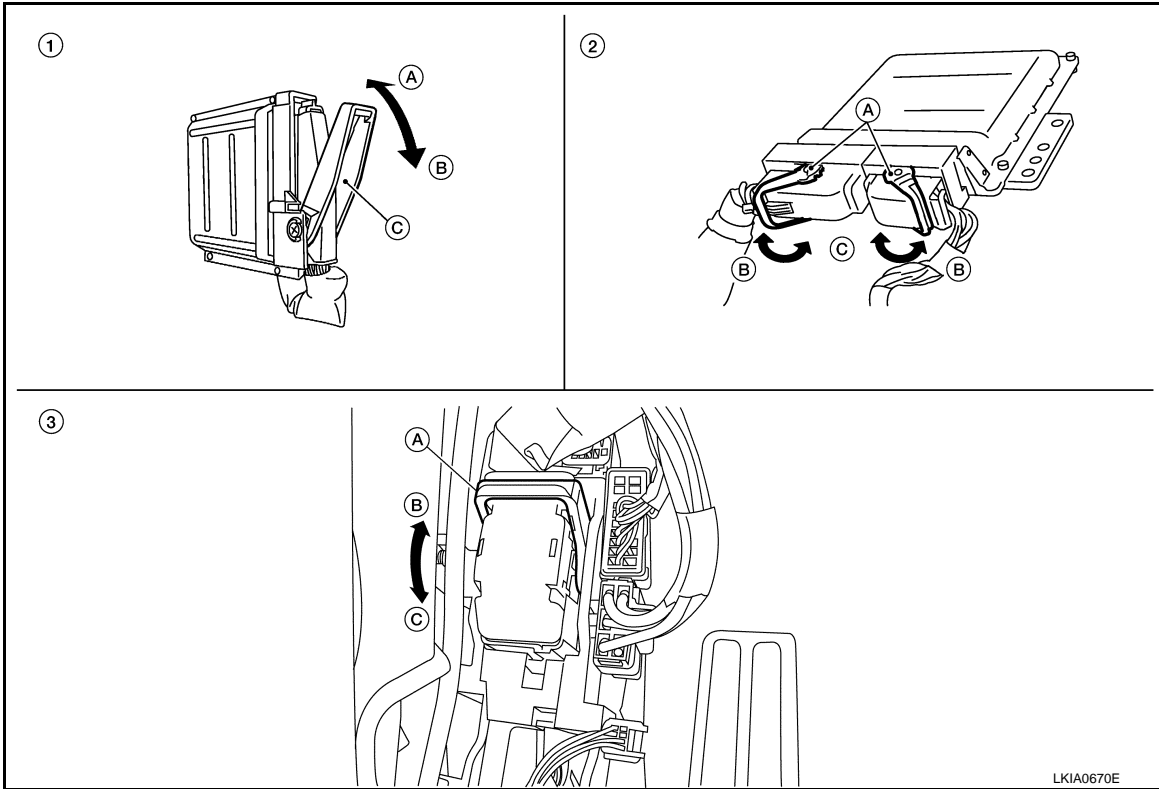
CAUTION:

HARNES CONNECTOR

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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



1. Control unit with single lever
 - 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

A
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STANDARDIZED RELAY

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

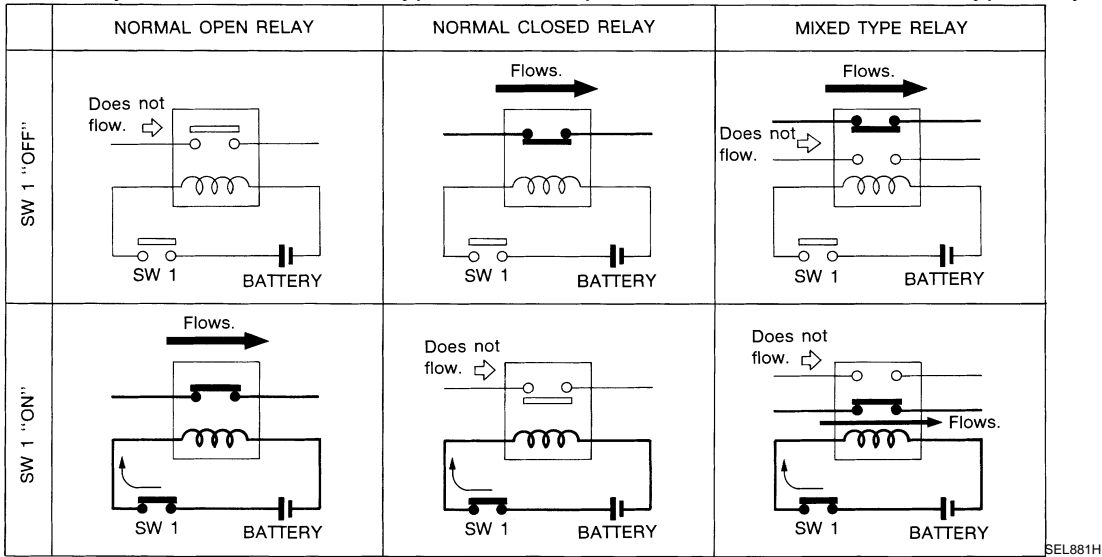
STANDARDIZED RELAY

Description

INFOID:000000006504869

NORMAL OPEN, NORMAL CLOSED AND MIXED TYPE RELAYS

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



SEL881H

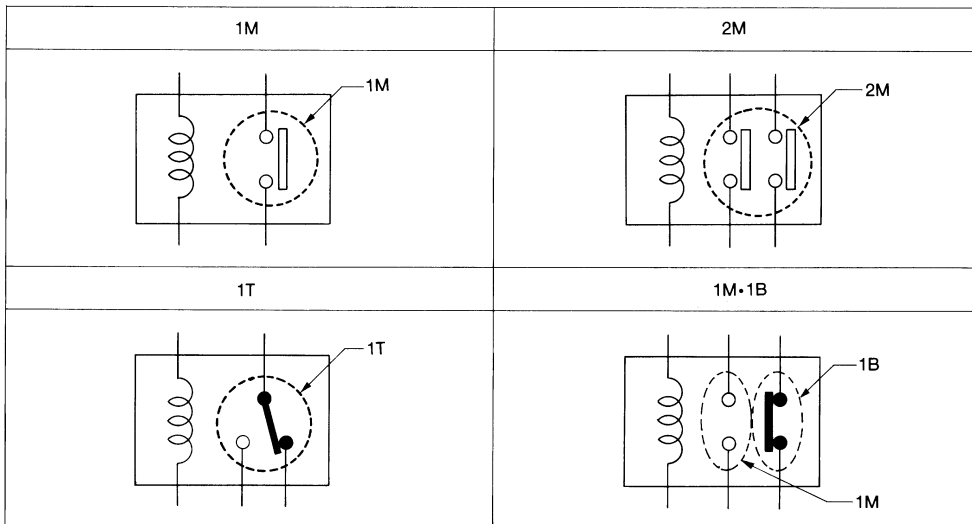
TYPE OF STANDARDIZED RELAYS

1M 1 Make

2M 2 Make

1T 1 Transfer

1M·1B 1 Make 1 Break

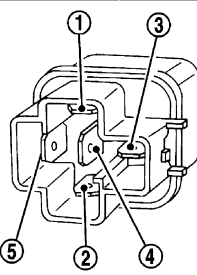
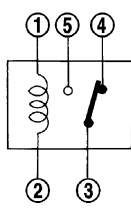
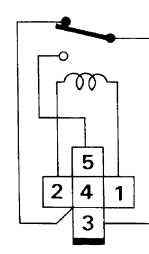
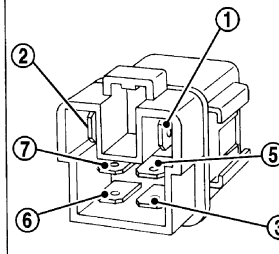
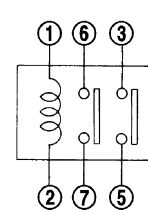
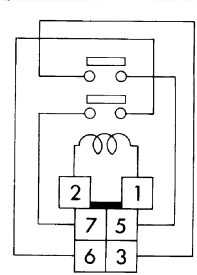
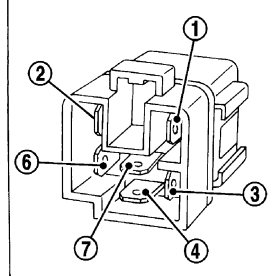
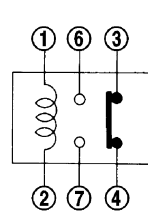
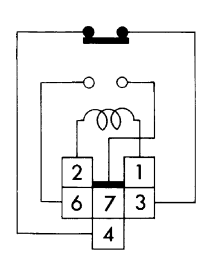
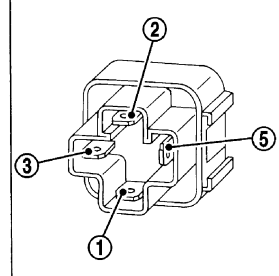
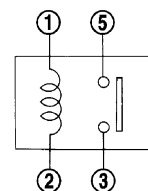
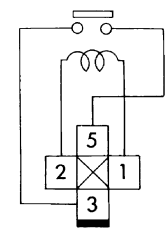
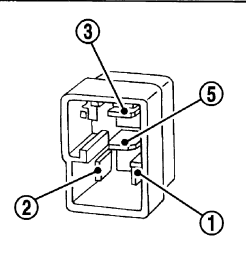
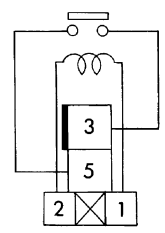


SEL882H

STANDARDIZED RELAY

< 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

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FUSE BLOCK - JUNCTION BOX (J/B)

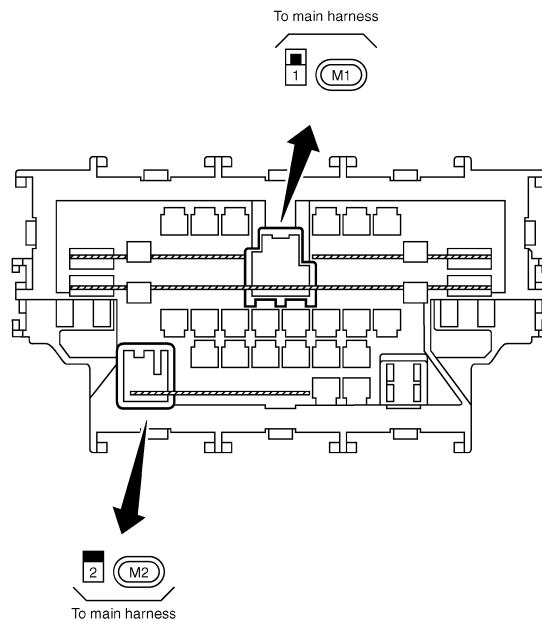
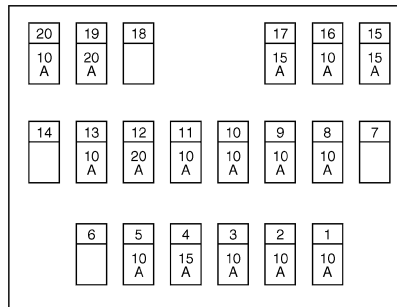
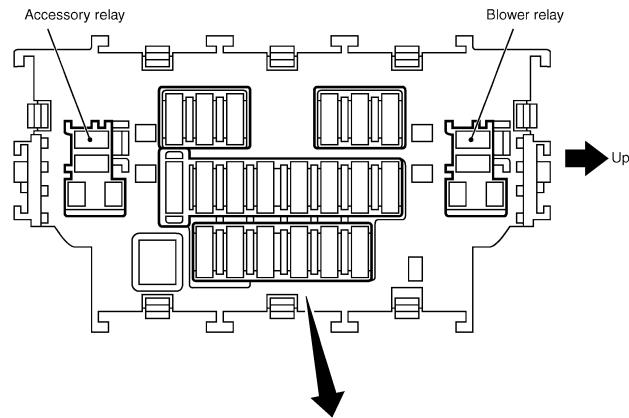
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

FUSE BLOCK - JUNCTION BOX (J/B)

Fuse, Connector and Terminal Arrangement

INFOID:000000006504870



2010/10/14

JCMWN0462GB

FUSE, FUSIBLE LINK AND RELAY BOX

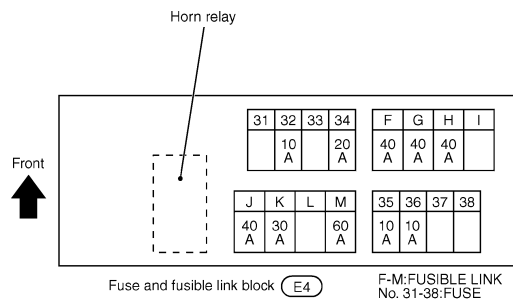
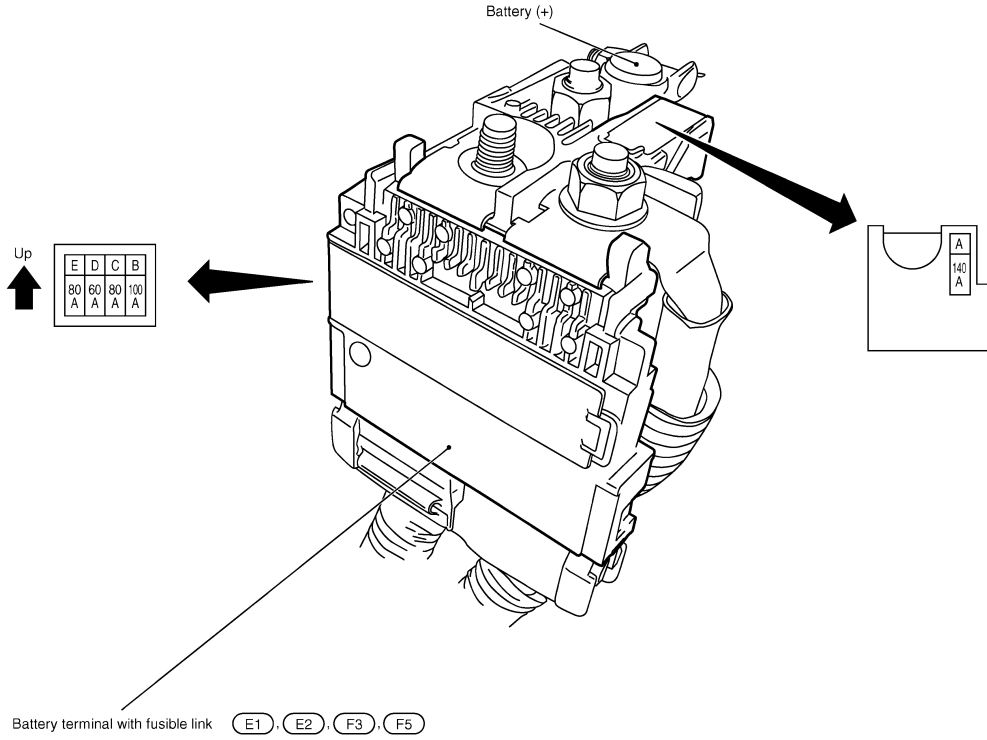
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

FUSE, FUSIBLE LINK AND RELAY BOX

Fuse and Fusible Link Arrangement

INFOID:000000006504871



2009/02/27

JCMWM4162GB

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

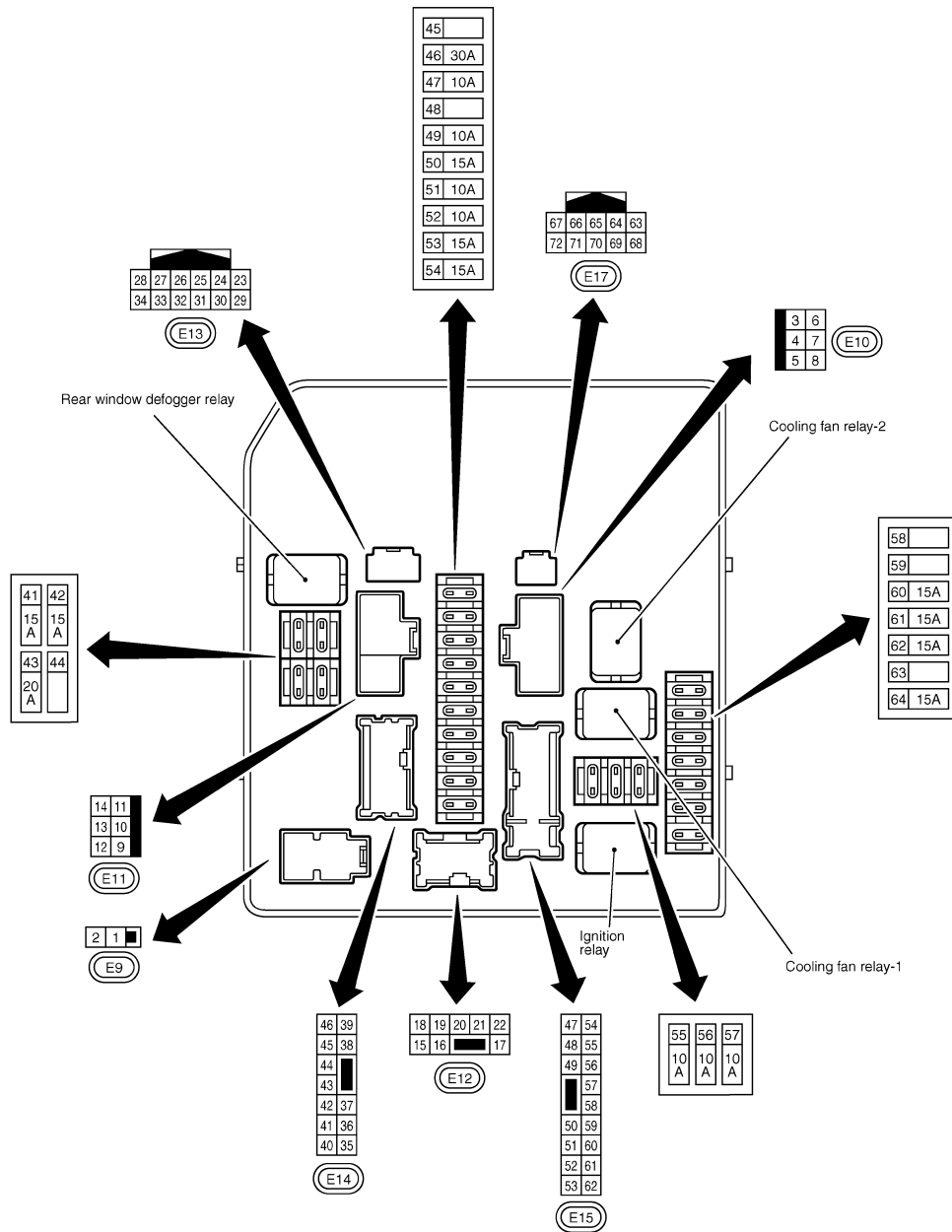
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[POWER SUPPLY & GROUND CIRCUIT]

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

Fuse, Connector and Terminal Arrangement

INFOID:000000006504872



To engine room harness

2010/10/14

JCMWN0463GB

PRECAUTION

PRECAUTIONS

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

INFOID:000000006504873

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.

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PREPARATION

[POWER SUPPLY & GROUND CIRCUIT]

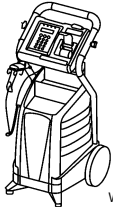
< PREPARATION >

PREPARATION

PREPARATION

Special Service Tools

INFOID:000000006504874

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>

BATTERY

< REMOVAL AND INSTALLATION >

[POWER SUPPLY & GROUND CIRCUIT]

REMOVAL AND INSTALLATION

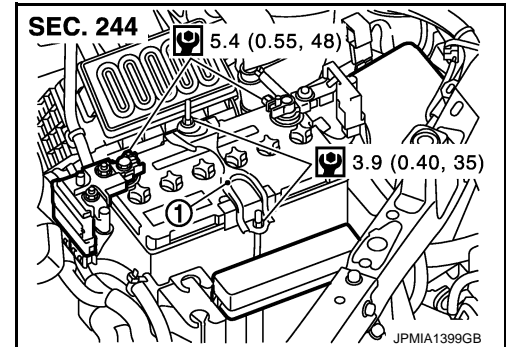
BATTERY

Exploded View

INFOID:000000006504875

1 : Battery fix frame

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



Removal and Installation

INFOID:000000006504876

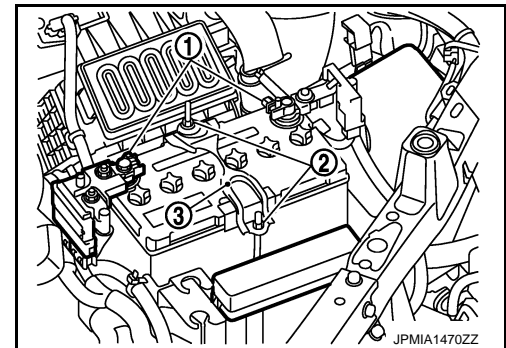
REMOVAL

1. Remove resonator.
2. Remove cover of battery positive terminal.
3. 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.

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



INSTALLATION

Install in the reverse order of removal.

CAUTION:

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

Reset electronic systems as necessary. Refer to [GI-54, "ADDITIONAL SERVICE WHEN REMOVING BATTERY NEGATIVE TERMINAL : Required Procedure After Battery Disconnection"](#).

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BATTERY TERMINAL WITH FUSIBLE LINK

< REMOVAL AND INSTALLATION >

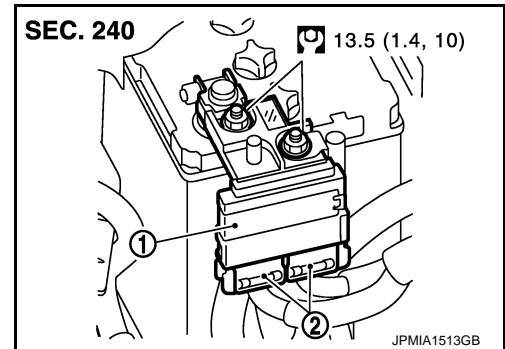
[POWER SUPPLY & GROUND CIRCUIT]

BATTERY TERMINAL WITH FUSIBLE LINK

Exploded View

INFOID:000000006504877

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

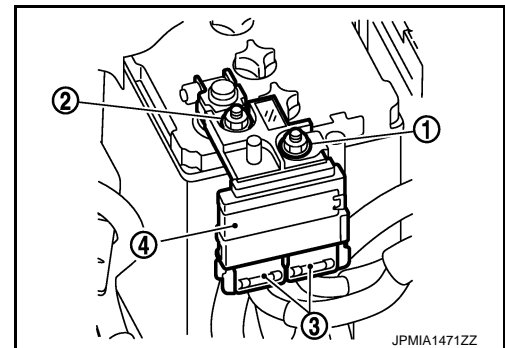


Removal and Installation

INFOID:000000006504878

REMOVAL

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



INSTALLATION

Install in the reverse order of removal.

SERVICE DATA AND SPECIFICATIONS (SDS)

< SERVICE DATA AND SPECIFICATIONS (SDS)

[POWER SUPPLY & GROUND CIRCUIT]

SERVICE DATA AND SPECIFICATIONS (SDS)

SERVICE DATA AND SPECIFICATIONS (SDS)

Battery

INFOID:000000006504879

Type		55D23L
20 hour rate capacity	[V - Ah]	12 - 60
Cold cranking current (For reference value)	[A]	356

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