

SECTION **PG**

**POWER SUPPLY, GROUND & CIRCUIT ELEMENTS**

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## BASIC INSPECTION

### BATTERY

#### How to Handle Battery

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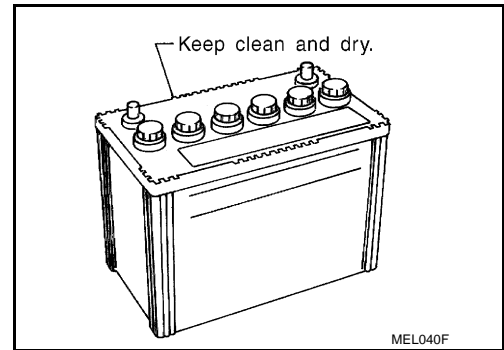
**CAUTION:**

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

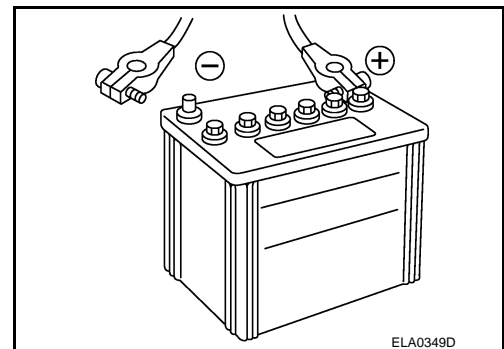
#### METHODS OF PREVENTING OVER-DISCHARGE

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

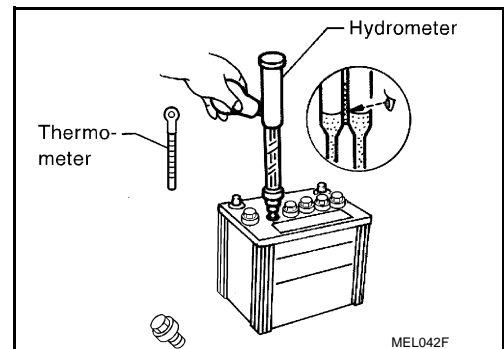
- The battery surface (particularly its top) should always be kept clean and dry.
- The terminal connections should be clean and tight.
- At every routine maintenance, check the electrolyte level. This also applies to batteries designated as "low maintenance" and "maintenance-free".



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



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



#### CHECKING ELECTROLYTE LEVEL

**WARNING:**

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

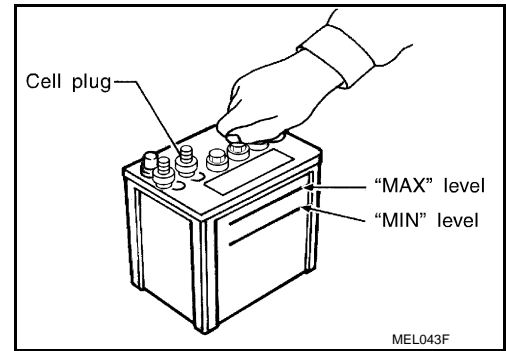
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# BATTERY

## [POWER SUPPLY & GROUND CIRCUIT]

### < BASIC INSPECTION >

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

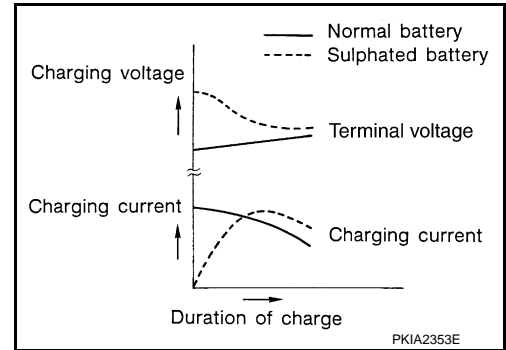


### Sulphation

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

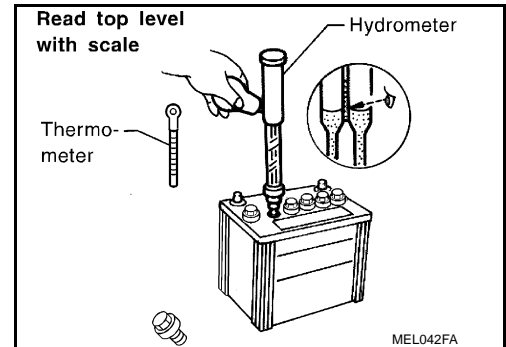
**To determine if a battery has been “sulphated”, note its voltage and current when charging it. As shown in the figure, less current and higher voltage are observed in the initial stage of charging sulphated batteries.**

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



### SPECIFIC GRAVITY CHECK

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



### Hydrometer Temperature Correction

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

# BATTERY

## < BASIC INSPECTION >

## [POWER SUPPLY & GROUND CIRCUIT]

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

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

### CHARGING THE BATTERY

#### CAUTION:

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

#### Charging Rates

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

Do not charge at more than 50 ampere rate.

#### NOTE:

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

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

### Work Flow

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### TROUBLE DIAGNOSIS WITH BATTERY SERVICE CENTER

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

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

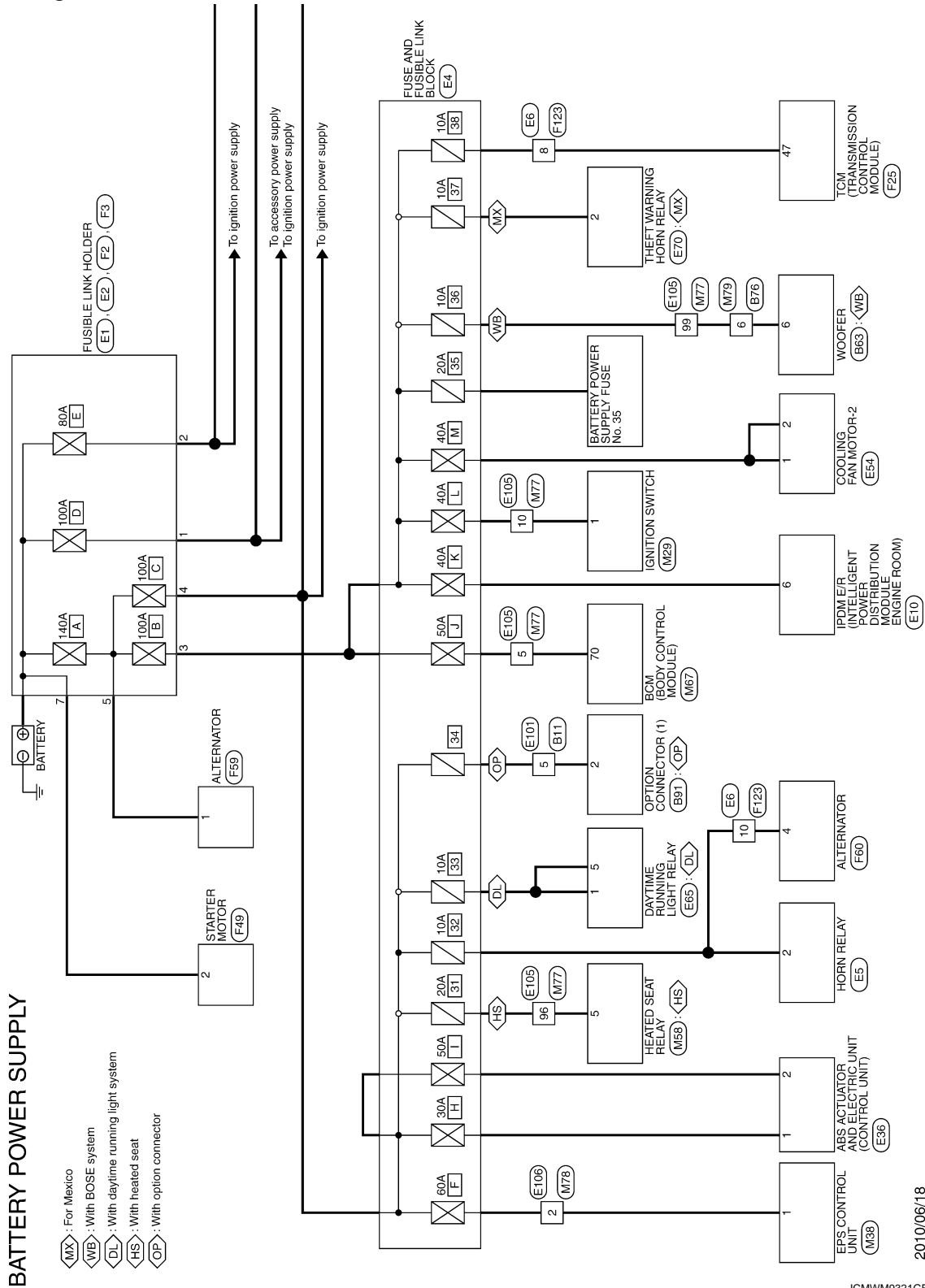
[POWER SUPPLY & GROUND CIRCUIT]

## DTC/CIRCUIT DIAGNOSIS

### POWER SUPPLY ROUTING CIRCUIT

#### Wiring Diagram - BATTERY POWER SUPPLY -

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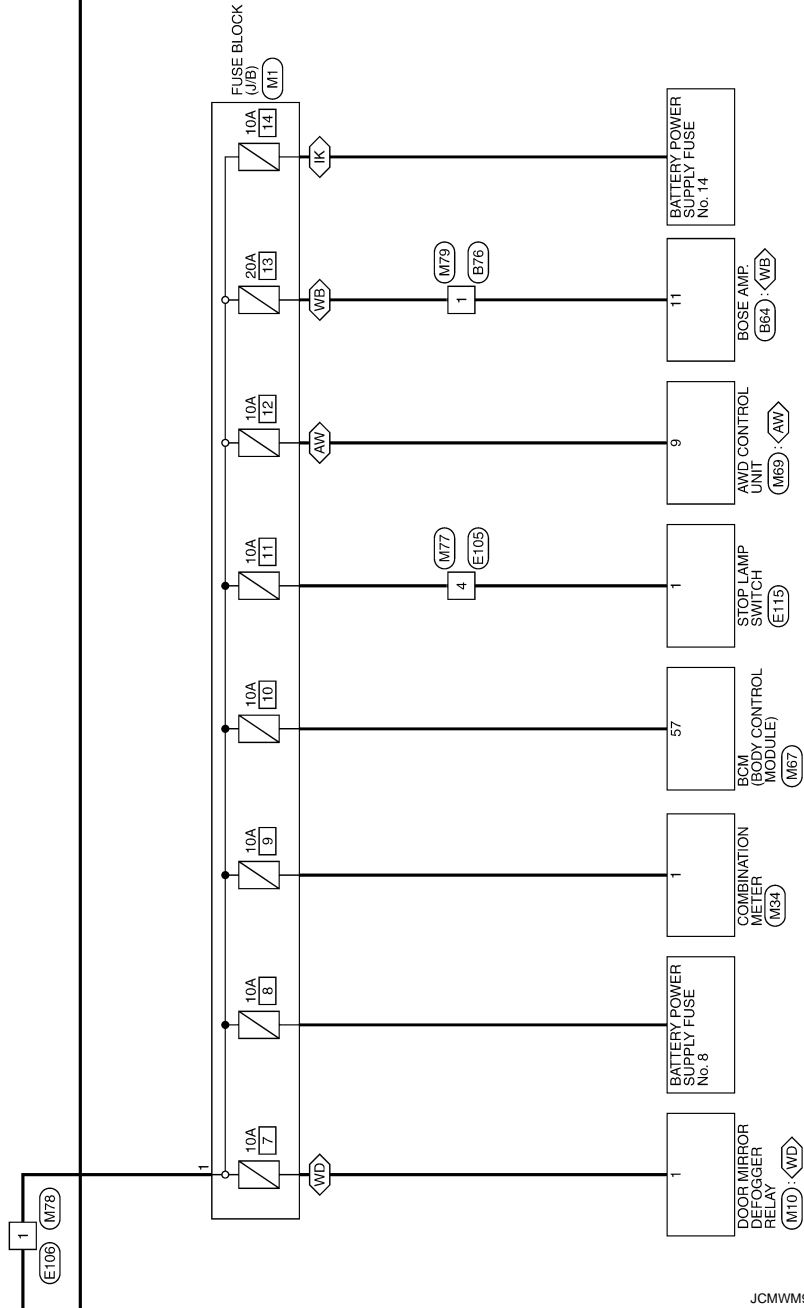


# POWER SUPPLY ROUTING CIRCUIT

## [POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

-  : AWD models
-  : With door mirror defogger
-  : With BOSE system
-  : With Intelligent Key



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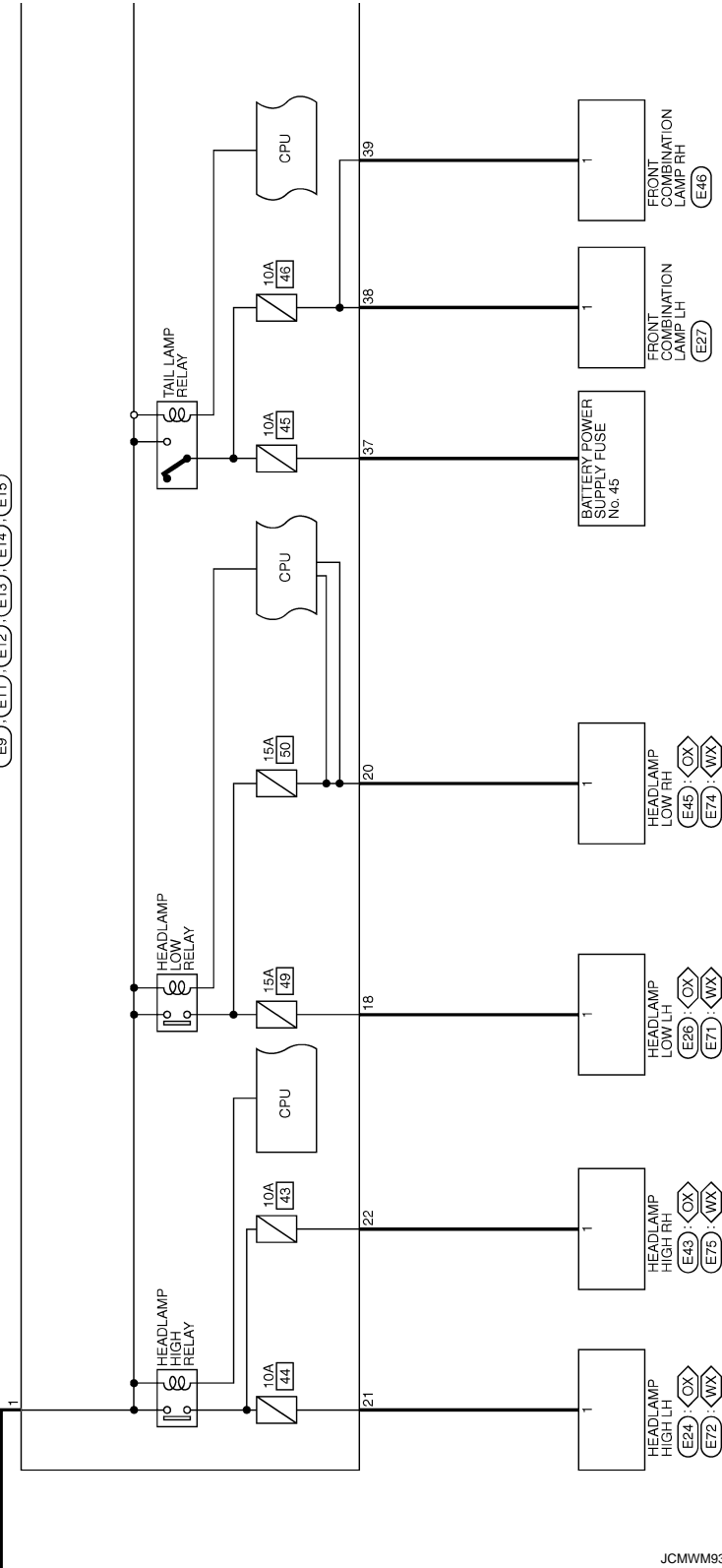
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

WX: With xenon headlamp  
 OX: Without xenon headlamp

IPDM/ER  
 (INTELLIGENT POWER DISTRIBUTION  
 MODULE (ENGINE ROOM))  
 (E9) (E11) (E12) (E13) (E14) (E15)



JCMWM9323GB





# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BATTERY POWER SUPPLY

Connector No.	B11
Connector Name	WIRE TO WIRE
Connector Type	THE80MW-CS (F-TM4)



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
5	L	-
8	R	-
9	Y	-
12	BR	-
13	O	-
22	G	- [For Mexico]
22	SB	- [Except for Mexico]
23	SB	- [For Mexico]
23	G	- [Except for Mexico]
51	GR	-
52	SHIELD	-
53	L	-
54	B	-
62	Y	-
63	R	-
96	G	-

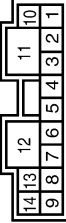


Connector No.	B63
Connector Name	WOOFER
Connector Type	RS08FG-PR

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

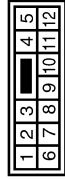
6	SB	BAT
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Connector No.	B84
Connector Name	BOSE AMP.
Connector Type	ISGA12FBR-SJ42



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	SOUND SIGNAL REAR SPEAKER LH (+)
2	GR	SOUND SIGNAL REAR SPEAKER RH (+)
3	Y	SOUND SIGNAL REAR SPEAKER BH (-)
4	B	SOUND SIGNAL FRONT SPEAKER LH (+)
5	P	SOUND SIGNAL FRONT SPEAKER RH (+)
6	BR	SOUND SIGNAL TWEETER LH (-)
7	GR	SOUND SIGNAL TWEETER RH (-)
8	G	SOUND SIGNAL FRONT SPEAKER RH (+)
9	Y	SOUND SIGNAL WOOFER (+)
10	R	SOUND SIGNAL REAR SPEAKER LH (-)
11	W	BAT
12	B	GND
13	R	SOUND SIGNAL FRONT SPEAKER RH (-)
14	BR	SOUND SIGNAL WOOFER (-)

Connector No.	B76
Connector Name	WIRE TO WIRE
Connector Type	NS12MH-CS



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

6	SB	-
7	O	-
8	V	-
9	GR	-
10	BR	-
11	W	-
12	O	-

Connector No.	B91
Connector Name	OPTION CONNECTOR (1)
Connector Type	M02FW-LC



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

Connector No.	E1
Connector Name	FUSIBLE LINK HOLDER
Connector Type	L02FG-MC



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

Connector No.	E2
Connector Name	FUSIBLE LINK HOLDER
Connector Type	L02FBR-MC-B



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

Connector No.	E5
Connector Name	HORN RELAY
Connector Type	-



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

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# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BATTERY POWER SUPPLY

Connector No.	E6
Connector Name	WIRE TO WIRE
Connector Type	TK2AMW-1V



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	BR	-
2	SB	-
3	G	-
4	LG	-
5	L	-
6	BR	-
8	O	-
10	LG	-
11	Y	-
12	P	-
13	L	-
15	LG	-
16	R	-
18	L	-
19	Y	-
20	W	-
21	GR	-
23	W	-
24	L	-

Connector No.	E7
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	V	-
2	SB	-
3	O	-

4	B	-
5	V	-
8	L	-
8	LG	-
10	B	-
11	BR	-
12	R	-
14	P	-
15	O	-

Connector No.	E8
Connector Name	WIRE TO WIRE
Connector Type	M02MW-LC



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

Connector No.	E9
Connector Name	WIRE TO WIRE
Connector Type	LO2FB-MC



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

Connector No.	E10
Connector Name	SPWLE R INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	M08FP-LC



5	4	3
8	7	6

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

Connector No.	E11
Connector Name	SPWLE R INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	M08FB-LC



11	10	9
14	13	12

Terminal No.	Color of Wire	Signal Name [Specification]
11	B	-
12	O	-

Connector No.	E12
Connector Name	SPWLE R INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	NS08FBR-CS



17	16	15		
22	21	20	19	18

Terminal No.	Color of Wire	Signal Name [Specification]
15	SB	-
16	Y	-
17	W	-
18	L	-
20	SB	-
21	G	-
22	LG	-

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



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

Terminal No.	Color of Wire	Signal Name [Specification]
23	W	-
24	Y	-
25	B	-
26	P	-
27	L	-
31	LG	-
32	V	-
33	GR	-
34	W	-

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# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BATTERY POWER SUPPLY

Connector No.	E14
Connector Name	ENGINE INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	NS12BF-CS



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

Terminal No.	Color of Wire	Signal Name [Specification]
37	R	-
38	R	-
39	GR	-
40	BR	-
41	O	-
42	L	-
43	G	-
45	Y	-
46	W	-

Connector No.	E15
Connector Name	ENGINE INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	NS16FW-CS



53	52	51	50	49	48	47
62	61	60	59	58	57	56
55	54	53	52	51	50	49
48	47	46	45	44	43	42

Terminal No.	Color of Wire	Signal Name [Specification]
47	BR	-
48	R	-
50	G	-
51	L	-
52	P	-
55	O	-
56	SB	-
57	V	-
58	LG	-
59	BR	-
60	SB	-
61	R	-

Connector No.	E24
Connector Name	HEADLAMP HIGH LH
Connector Type	LU2FB



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

Connector No.	E26
Connector Name	HEADLAMP LOW LH
Connector Type	FH202FB



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

Connector No.	E27
Connector Name	FRONT COMBINATION LAMP LH
Connector Type	Z08FGY



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

3	BR	-
---	----	---



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

Connector No.	E36
Connector Name	ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT)
Connector Type	RH202FB-NU4-DH



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	Y	MOTOR
2	BR	ACTR
3	B	GND A
4	B	GND M
5	BR	VDC OFF SW
6	GR	ASCDCANCEL SW
8	SB	STOP LAMP SW
9	P	CAN L
11	O	RR SENSOR VB
12	R	FR SENSOR SIG
13	B	G CHECK
14	L	G SW 1
15	SB	RR SENSOR SIG
16	BR	IGN
20	Y	AWD COMM
21	G	FR SENSOR VB
22	L	CAN H

23	W	FL SENSOR VB
24	GR	DIAG K
26	BR	RL SENSOR VB
27	P	FL SENSOR SIG
28	Y	G GND
29	R	G SW 2
30	G	RL SENSOR SIG



Connector No.	E43
Connector Name	HEADLAMP HIGH RH
Connector Type	LU2FB



2	1
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Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
2	R	- [With daytime running light system]
2	B	- [Without daytime running light system]

Connector No.	E45
Connector Name	HEADLAMP LOW RH
Connector Type	FH202FB



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

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# POWER SUPPLY ROUTING CIRCUIT

## [POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

### BATTERY POWER SUPPLY

Connector No.	E46
Connector Name	FRONT COMBINATION LAMP RH
Connector Type	E20FCY



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

Connector No.	E48
Connector Name	FRONT FOG LAMP RH
Connector Type	FH20FB



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

Connector No.	E54
Connector Name	COOLING FAN MOTOR-2
Connector Type	RS04FGY-PR



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

2	O	-
3	P	-
4	GR	-

Connector No.	E65
Connector Name	DAYTIME RUNNING LIGHT RELAY
Connector Type	MS00FB-M2



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

Connector No.	E70
Connector Name	THEFT WARNING HORN RELAY
Connector Type	M03FW-R-LC



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

Connector No.	E71
Connector Name	HEADLAMP LOW LH
Connector Type	E02FGY-RS



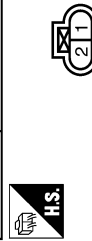
Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	B	-

Connector No.	E72
Connector Name	HEADLAMP HIGH LH
Connector Type	J02FB



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

Connector No.	E74
Connector Name	HEADLAMP LOW RH
Connector Type	E02FGY-RS



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

Connector No.	E75
Connector Name	HEADLAMP HIGH RH
Connector Type	J02FB



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

Connector No.	E101
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CSI0-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
5	L	-
8	R	-
9	Y	-
12	BR	-
13	O	-
22	G	-
23	SB	-
51	GR	-
52	SHIELD	-
53	L	-
54	B	-
62	Y	-
63	R	-
96	O	-

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

JCMWM9328GB

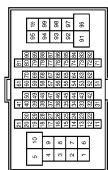
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BATTERY POWER SUPPLY

Connector No.	E105
Connector Name	WIRE TO WIRE
Connector Type	TH80YW-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	O	-
3	LG	-
4	V	-
5	Y	-
6	G	-
7	R	-
8	GR	-
9	BR	-
10	L	-
11	GR	-
12	P	-
14	L	-
15	V	-
19	R	-
20	P	-
21	L	-
22	L	-
24	LG	-
25	SB	-
30	L	-
31	BR	-
42	Y	-
45	SHIELD	-
51	L	-
52	W	-
53	BR	-
54	Y	-
60	O	-
61	BR	-
62	R	-
63	P	-
69	G	-
70	B	-
71	O	-
72	LG	-
78	L	-
78	V	-

80	Y	-
81	W	-
82	R	-
83	L	-
88	BR	-
89	R	-
90	GR	-
91	R	-
92	O	-
93	BR	-
94	W	-
96	BR	-
97	G	-
99	SB	-
100	L	-

Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	LU2FB-MC



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

Connector No.	E115
Connector Name	STOP LAMP SWITCH
Connector Type	M04FW-LC



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

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



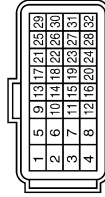
Connector No.	F2
Connector Name	FUSIBLE LINK HOLDER
Connector Type	-

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



Connector No.	F3
Connector Name	FUSIBLE LINK HOLDER
Connector Type	-

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



Connector No.	F7
Connector Name	ECM
Connector Type	RH24FGY-R23-R-LH

Terminal No.	Color of Wire	Signal Name [Specification]
1	V	SCV2

2	P	VMOT-B 1
3	LG	SCV 1
4	R	AFH 1
5	GR	MOTOR L-B 1
6	L	MOTOR 2-B 1
7	BR	VSCV
9	R	IGN#3
10	W	IGN#2
11	SB	IGN#1
12	B	GND
13	Y	O2HR 1
14	GR	FPR
15	V	MOTRLY-B 1
16	B	GND
17	SB	O2HR 2, 3RD O2H
21	G	IGN#4
24	L	SSOFF
25	Y	EVAP
29	P	IN#4
30	LG	IN#3
31	BR	IN#2
32	GR	IN#1

# 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-L4

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	79
36	40	44	48	52	56	60	64	68	72	76	80



Terminal No.	Color of Wire	Signal Name [Specification]
33	P	OZSR 1
34	V	OZSR 2, 3RD, OZS
35	L	GND-A-OZSR 1, 2, 3
36	R	GND-A-TPS-B 1
37	W	TFS 1-LB 1
38	G	TFS 2-B 1
39	Y	PDPRES
40	W	GND-A-PDPRES
45	V	AF+1
46	P	TW
47	B	AVCC 1-TPS-B 1
49	LG	AF-1
50	BR	TA 1
52	O	GND-A-TW, SCVPOS
54	W	SCVPOS
56	R	GA--, GND-A-TA 1
58	L	GA 1+
59	V	AVCC 1-PHASE#1
60	B	GND-POS
61	W	KNK 1
64	Y	GND-PHASE#1
65	R	POS
67	SHIELD	GND-A-KNK 1
69	G	PHASE#1
72	L	AVCC 2-PDP, SCVPOS
76	P	AVCC 2-POS
77	R	BATT
78	O	CVTCH1

Connector No.	F25
Connector Name	TCM (TRANSMISSION CONTROL MODULE)
Connector Type	RH40FB-R28-L-RH

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



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	R RANGE SW
2	Y	N RANGE SW
3	W	D RANGE SW
4	V	L RANGE SW
5	B	GND
7	Y	SENSOR GND
8	L	CLOCK (SEL 2)
9	G	CHIP SELECT (SEL 1)
10	W	DATA I/O (SEL 3)
11	L	P RANGE SW
13	BR	CVT FLUID TEMP SENSOR
14	BR	PRIMARY PRESSURE SENSOR
15	P	SECONDARY PRESSURE SENSOR
25	Y	SENSOR GND
26	LG	SENSOR POWER SOURCE (5V)
27	GR	STEP MOTOR D
28	V	STEP MOTOR C
29	O	STEP MOTOR B
30	R	STEP MOTOR A
31	P	CAN-L
32	L	CAN-H
33	O	PRIMARY SPEED SENSOR
34	R	SECONDARY SPEED SENSOR
37	L	L/U SELECT SOLENOID VALVE
38	G	TORQUE CONVERTER CLUTCH SOLENOID VALVE
39	W	SECONDARY PRESSURE SOLENOID VALVE
40	Y	LINE PRESSURE SOLENOID VALVE
42	B	GND
46	LG	VIGN
47	O	BATT
48	Y	VIGN

Connector No.	F49
Connector Name	STARTER MOTOR
Connector Type	-



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

Connector No.	F59
Connector Name	ALTERNATOR
Connector Type	-



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

Connector No.	F60
Connector Name	ALTERNATOR
Connector Type	HS08FB



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

Connector No.	F121
Connector Name	WIRE TO WIRE
Connector Type	NS36FW-CS



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

Connector No.	F122
Connector Name	WIRE TO WIRE
Connector Type	MO2FW-LC



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

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

PG

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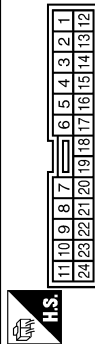
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

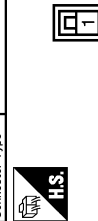
## BATTERY POWER SUPPLY

Connector No.	F123
Connector Name	WIRE TO WIRE
Connector Type	TK24FW-1V



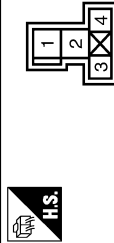
Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	-
2	SB	-
3	SG	-
4	Y	-
5	L	-
6	BR	-
8	O	-
10	P	-
11	R	-
12	P	-
13	L	-
15	LG	-
16	R	-
18	L	-
19	Y	-
20	W	-
21	GR	-
23	W	-
24	L	-

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



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

Connector No.	M10
Connector Name	DOOR MIRROR DEFOGGER RELAY
Connector Type	MSD2FL-M2-LC



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

Connector No.	M26
Connector Name	NATS ANTENNA AMP.
Connector Type	TH40FW-NH



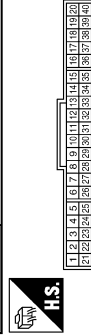
Terminal No.	1
Color of Wire	L
Signal Name [Specification]	+B
Terminal No.	2
Color of Wire	G
Signal Name [Specification]	CLK
Terminal No.	3
Color of Wire	B
Signal Name [Specification]	GND
Terminal No.	4
Color of Wire	BR
Signal Name [Specification]	DATA

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



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

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



Terminal No.	1
Color of Wire	LG
Signal Name [Specification]	BATTERY POWER SUPPLY
Terminal No.	2
Color of Wire	O
Signal Name [Specification]	IGNITION SIGNAL
Terminal No.	3
Color of Wire	B
Signal Name [Specification]	GROUND
Terminal No.	4
Color of Wire	B
Signal Name [Specification]	GROUND
Terminal No.	5
Color of Wire	BR
Signal Name [Specification]	A/C AUTO AMP. CONNECTION RECOGNITION SIGNAL
Terminal No.	7
Color of Wire	GR
Signal Name [Specification]	OVERDRIVE CONTROL SWITCH SIGNAL
Terminal No.	9
Color of Wire	L
Signal Name [Specification]	PADDLE SHIFTER SHIFT UP SIGNAL
Terminal No.	10
Color of Wire	G
Signal Name [Specification]	PADDLE SHIFTER SHIFT DOWN SIGNAL
Terminal No.	13
Color of Wire	Y
Signal Name [Specification]	ILLUMINATION CONTROL SIGNAL
Terminal No.	15
Color of Wire	LG
Signal Name [Specification]	AIR BAG SIGNAL
Terminal No.	16
Color of Wire	O
Signal Name [Specification]	ENGINE COOLANT TEMPERATURE SIGNAL
Terminal No.	19
Color of Wire	BR
Signal Name [Specification]	AMBIENT SENSOR SIGNAL
Terminal No.	20
Color of Wire	SB
Signal Name [Specification]	AMBIENT SENSOR GROUND
Terminal No.	21
Color of Wire	L
Signal Name [Specification]	CAN-H
Terminal No.	22
Color of Wire	P
Signal Name [Specification]	CAN-L
Terminal No.	24
Color of Wire	B
Signal Name [Specification]	FUEL LEVEL SENSOR SIGNAL GROUND
Terminal No.	25
Color of Wire	SB
Signal Name [Specification]	ALTERNATOR SIGNAL
Terminal No.	26
Color of Wire	V
Signal Name [Specification]	PARKING BRAKE SWITCH SIGNAL
Terminal No.	27
Color of Wire	BR
Signal Name [Specification]	BRAKE FLUID LEVEL SWITCH SIGNAL
Terminal No.	28
Color of Wire	B
Signal Name [Specification]	SECURITY SIGNAL
Terminal No.	29
Color of Wire	W
Signal Name [Specification]	WASHER LEVEL SWITCH SIGNAL
Terminal No.	30
Color of Wire	Y
Signal Name [Specification]	VEHICLE SPEED SIGNAL (2-PULSE)
Terminal No.	31
Color of Wire	L
Signal Name [Specification]	VEHICLE SPEED SIGNAL (8-PULSE)
Terminal No.	34
Color of Wire	G
Signal Name [Specification]	FUEL LEVEL SENSOR SIGNAL
Terminal No.	35
Color of Wire	O
Signal Name [Specification]	SEAT BELT BUCKLE SWITCH SIGNAL (DRIVER SIDE)
Terminal No.	36
Color of Wire	G
Signal Name [Specification]	SEAT BELT BUCKLE SWITCH SIGNAL (PASSENGER SIDE)
Terminal No.	37
Color of Wire	P
Signal Name [Specification]	NON-MANUAL MODE SIGNAL
Terminal No.	38
Color of Wire	O
Signal Name [Specification]	MANUAL MODE SHIFT DOWN SIGNAL
Terminal No.	39
Color of Wire	V
Signal Name [Specification]	MANUAL MODE SHIFT UP SIGNAL

Terminal No.	40
Color of Wire	LG
Signal Name [Specification]	MANUAL MODE SIGNAL

Connector No.	M88
Connector Name	EPS CONTROL UNIT
Connector Type	JAN42FB



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

Connector No.	M88
Connector Name	HEATED SEAT RELAY
Connector Type	MSD2FL-M2-LC



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

JCMWM9331GB



# POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

## BATTERY POWER SUPPLY

Connector No.	M67
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	FEA38FB-FHA6-SA



56	57	58	59	60	61	62	63	64
65	66	67	68	69	70			

Terminal No. of Wire	Color	Signal Name [Specification]
56	Y	BATTERY SAVER OUTPUT
57	G	BAT FLISE
58	L	D/L UNLOCK DR
59	BR	FLASHER OUT PUT (LEFT)
60	GR	FLASHER OUT PUT (RIGHT)
61	R	ROOM LAMP OUTPUT
62	V	D/L LOCK ALL
63	G	D/L LOCK OTHER
64	B	GND
65	L	POWER WDW OUTPUT (RAP)
66	P	POWER WDW OUTPUT (BAT)
67	Y	BAT FL
68		
69		
70		

Connector No.	M69
Connector Name	AWD CONTROL UNIT
Connector Type	TH16FW-NH



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

Terminal No. of Wire	Color	Signal Name [Specification]
1	LG	AWD SOL+
2	G	AWD SOL-
5	O	LOCK SW
6	L	IGN
7	GR	CAN-H
8	L	CAN-L
9	W	SOL BATT
10	B	GND
11	B	GND
14	O	LOCK SW

16	P	CAN-L
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Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS 6-TM4



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000
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Terminal No. of Wire	Color	Signal Name [Specification]
1	BR	
2	O	
3	LG	
4	Y	
5	Y	
6	G	
7	R	
8	GR	
9	BR	
10	L	
11	GR	
12	P	
14	SB	
15	V	
19	R	
20	P	
21	O	
22	L	
24	BR	
25	W	
30	L	
31	W	
42	O	
43	SHIELD	
51	W	
52	SB	
53	L	
54	Y	
60	O	
61	BR	
62	G	
63	P	
69	W	
70	B	
71	P	

72	O	
78	SB	
79	V	
80	L	
81	W	
82	B	
83	LG	
88	BR	
89	G	
90	GR	
91	R	
92	L	
93	P	
94	W	
96	BR	
97	G	
99	SB	
100	Y	

Connector No.	M78
Connector Name	WIRE TO WIRE
Connector Type	LD2MB-MC



1	2
---	---

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

Connector No.	M79
Connector Name	WIRE TO WIRE
Connector Type	MS12FW-CS



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

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

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

# POWER SUPPLY ROUTING CIRCUIT

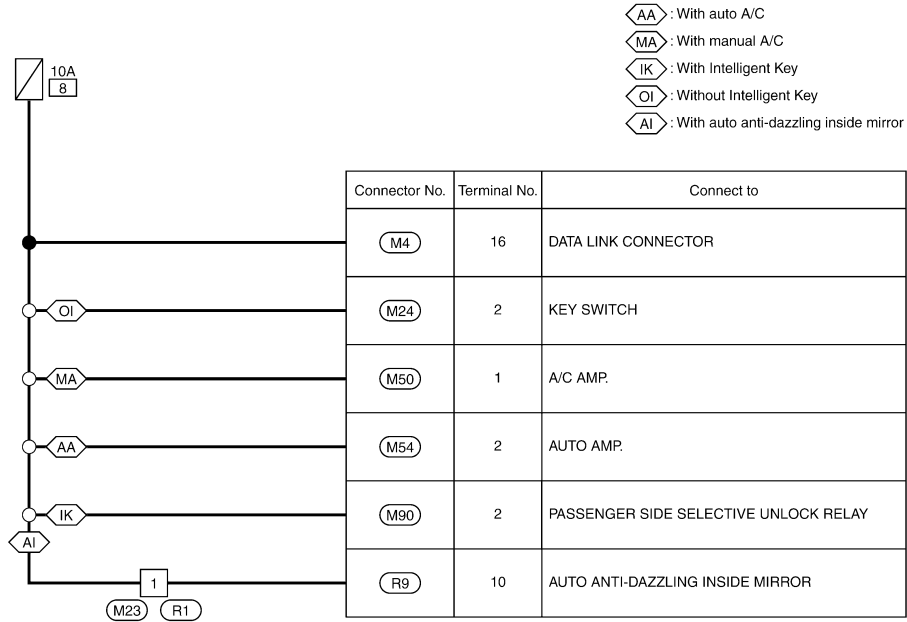
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 8 -

INFOID:000000006200647

### BATTERY POWER SUPPLY FUSE No. 8



2010/06/18

JCMWM9333GB

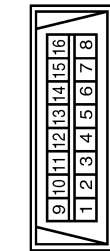
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

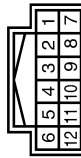
## BATTERY POWER SUPPLY FUSE No. 8

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	O	-
8	W	-
14	P	-
16	V	-

Connector No.	M23
Connector Name	WIRE TO WIRE
Connector Type	TH12FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
3	W	-
5	R	-
7	P	-
8	SHIELD	-
9	B	-
11	Y	-
12	Y	-

Connector No.	M24
Connector Name	KEY SWITCH
Connector Type	TK20MR-P



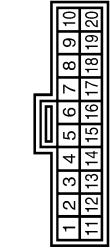
Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
2	GR	-

Connector No.	M25
Connector Name	A/C AMP.
Connector Type	ISAB4FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	BATTERY POWER SUPPLY
2	W	IGNITION POWER SUPPLY
3	B	GROUND
16	P	INTAKE SENSOR GROUND
17	O	INTAKE SENSOR SIGNAL
18	V	A/C LAN SIGNAL
20	GR	RR DEF F/S
21	Y	IGNITION 2 POWER SUPPLY
22	G	EACH DOOR MOTOR POWER SUPPLY
23	GR	LIGHT+
24	SB	LIGHT-
36	R	BLOWER MOTOR FEEDBACK SIGNAL
37	L	FAN CONTROL AMP. CONTROL SIGNAL
38	SB	RR DEF SW
39	LG	FAN ON SIGNAL
40	Y	A/C SWITCH SIGNAL

Connector No.	M54
Connector Name	AUTO AMP.
Connector Type	TK20FGY



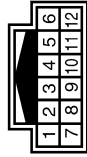
Terminal No.	Color of Wire	Signal Name [Specification]
1	W	IGN
2	LG	BAT
3	B	GND (POWER)
4	Y	COMP ON
5	G	LAN (+)
8	LG	INCAR SENS
9	BR	AMP SENS
10	Y	SUN SENS
11	SB	LIGHT (-)
12	GR	LIGHT (+)
15	V	LAN (-)
17	L	FR/FAN OUT
18	R	FR/FAN F/B
19	LG	FAN ON
20	Y	FR/IGN 2

Connector No.	M90
Connector Name	PASSENGER SIDE SELECTIVE UNLOCK RELAY
Connector Type	MS03FB-M2-LC



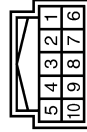
Terminal No.	Color of Wire	Signal Name [Specification]
1	V	-
2	LG	-
3	V	-
4	R	-

Connector No.	R1
Connector Name	WIRE TO WIRE
Connector Type	TH12MP-NH



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

Connector No.	R9
Connector Name	AUTO ANTI-GLAZING INSIDE MIRROR
Connector Type	TH10FB-NH



Terminal No.	Color of Wire	Signal Name [Specification]
6	B/R	-
8	B	-
10	B/Y	-

JCMWM9334GB

A  
B  
C  
D  
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# POWER SUPPLY ROUTING CIRCUIT

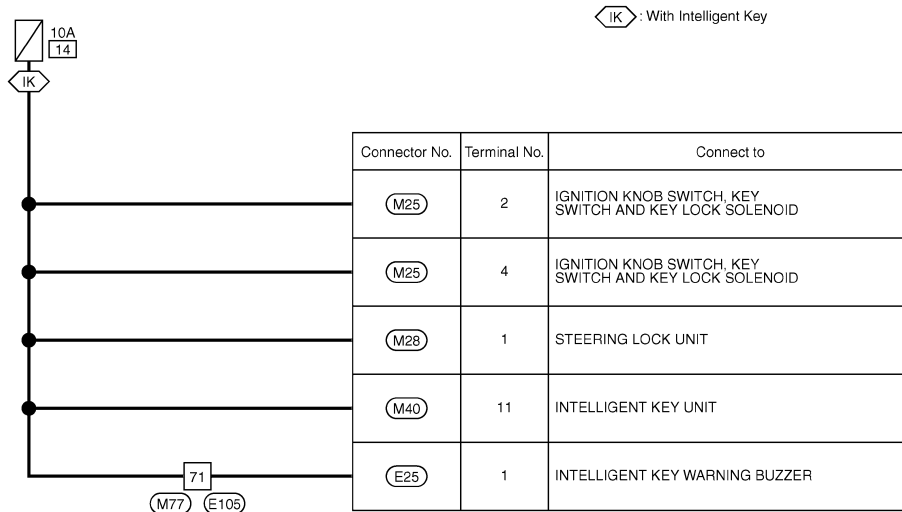
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 14 -

INFOID:000000006200648

### BATTERY POWER SUPPLY FUSE No. 14



2008/07/15

JCMWM2882GB

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

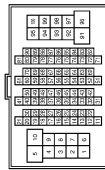
## BATTERY POWER SUPPLY FUSE No. 14

Connector No.	E26
Connector Name	INTELLIGENT KEY WARNING BUZZER
Connector Type	PK03FB



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

Connector No.	E105
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-C516-TM4



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

30	L	-
31	BR	-
42	Y	-
43	SHIELD	-
51	L	-
52	W	-
53	BR	-
54	Y	-
60	O	-
61	BR	-
62	R	-
63	P	-
69	G	-
70	B	-
71	O	-
72	LG	-
78	L	-
79	V	-
80	Y	-
81	W	-
82	R	-
83	L	-
88	BR	-
89	R	-
90	GR	-
91	R	-
92	O	-
93	BR	-
94	W	-
96	BR	-
97	G	-
99	SB	-
100	L	-

Connector No.	M25
Connector Name	IGNITION SWITCH, KEY SWITCH AND KEY LOCK (SIGNALS)
Connector Type	TK08MGY



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

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

Connector No.	M40
Connector Name	INTELLIGENT KEY UNIT
Connector Type	TH40FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	STRG LOCK UNIT SW O/P
2	L	CANH
3	P	CAN-L
4	O	BUZZER
5	Y	REQUEST SW (DR)
6	W	IGN SW
7	LG	KEY SW
10	SB	P RANGE INPUT SW
11	R	BATT+
12	B	GND
13	Y	REAR SEAT (+)
14	BR	REAR SEAT (-)
15	R	CONSOLE (+)
16	G	CONSOLE (-)
17	W	BACK DOOR (+)

18	R	BACK DOOR (-)
19	BR	DRIVER DOOR (+)
20	O	DRIVER DOOR (-)
23	BR	REQUEST SW (AS)
26	B	STOP LAMP SW
27	G	KNOB SW
28	W	DR LOCK STATE SW
29	SB	REQUEST SW (BD)
31	L	STRG LOCK UNIT GND
32	P	STRG LOCK UNIT SIG
37	V	PASSENGER DOOR (+)
38	P	PASSENGER DOOR (-)
40	V	AS-ANTI HIJACK

A  
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H  
I  
J  
K  
L  
PG  
N  
O  
P

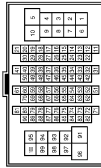
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BATTERY POWER SUPPLY FUSE No. 14

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



Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	-
2	O	-
3	LG	-
4	Y	-
5	Y	-
6	G	-
7	R	-
8	GR	-
9	BR	-
10	L	-
11	GR	-
12	P	-
14	SB	-
15	V	-
19	R	-
20	P	-
21	O	-
22	L	-
24	BR	-
25	W	-
30	L	-
31	W	-
42	O	-
45	SHIELD	-
51	W	-
52	SB	-
53	L	-
54	Y	-
60	O	-
61	BR	-
62	G	-
63	P	-
69	W	-
70	B	-
71	P	-
72	O	-
76	SB	-
78	V	-

80	L	-
81	W	-
82	B	-
83	LG	-
88	BR	-
89	G	-
90	GR	-
91	R	-
92	L	-
93	P	-
94	W	-
96	BR	-
97	G	-
99	SB	-
100	Y	-

JCMWM9336GB

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

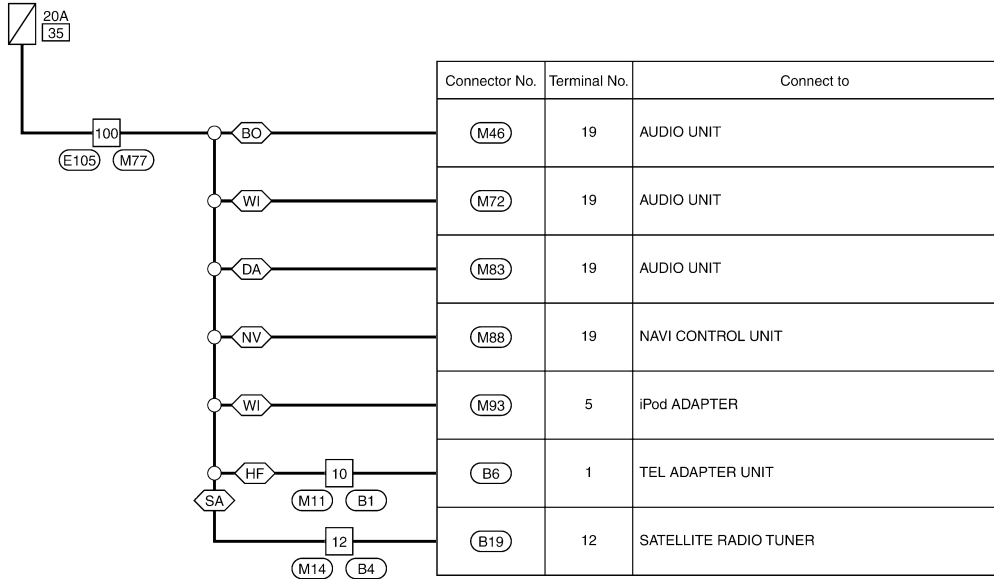
[POWER SUPPLY & GROUND CIRCUIT]

## Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 35 -

INFOID:000000006200649

### BATTERY POWER SUPPLY FUSE No. 35

- ⬡BO⬢ : With base audio without iPod
- ⬡DA⬢ : With display audio
- ⬡NV⬢ : With navigation system
- ⬡SA⬢ : With satellite radio
- ⬡HF⬢ : With telephone
- ⬡WI⬢ : With iPod



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JCMWM9337GB

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BATTERY POWER SUPPLY FUSE No. 35

Connector No.	B1
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS (F-TM4)



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	BR	-
3	G	-
4	L	-
6	BR	-
7	Y	-
8	LG	-
9	BR	-
10	BR	-
21	R	-
35	SHIELD	-
36	R	-
37	LG	-
38	SHIELD	-
39	O	-
40	G	-
41	R	-
45	L	-
46	W	-
47	SHIELD	-
48	V	-
49	W	-
50	SHIELD	-
52	L	-
53	L	- [With display audio]
53	G	- [With base audio or EOSE system]
54	O	-
55	Y	-
56	LG	-
57	SB	-
58	W	-
59	B	-
60	SB	-
62	GR	-
63	W	-
65	SHIELD	-
66	BR	-
67	LG	-

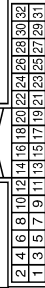
68	SB	-
69	SHIELD	-
70	W	-
71	W	-
72	Y	-
77	L	-
80	R	-
81	GR	-
82	GR	-
86	Y	-
87	P	-
91	GR	-
92	R	-
93	G	-
94	W	-
95	O	-
96	Y	-
97	SB	-
98	Y	-
99	V	-
100	L	-

Connector No.	B4
Connector Name	WIRE TO WIRE
Connector Type	NS16MW-CS



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

Connector No.	B6
Connector Name	TEL ADAPTER UNIT
Connector Type	TH2FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	BAT
2	SB	ACC
3	W	IGN
4	B	GND
7	B	MICROPHONE SIGNAL (+)
8	SHIELD	MICROPHONE SIGNAL (-)
9	BR	SOUND SIGNAL (+)
10	Y	SOUND SIGNAL (-)
11	O	TEL ON SIGNAL
12	W	STEERING SW SIGNAL A
13	Y	STEERING SW SIGNAL B
14	GR	STEERING SW SIGNAL GND
17	W	STEERING SW SIGNAL A
18	L	STEERING SW SIGNAL B
19	GR	STEERING SW SIGNAL 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	L	VEHICLE SPEED SIGNAL (2-PULSE) (Wht. display mode)
28	G	VEHICLE SPEED SIGNAL (2-PULSE) (Wht. display mode)
28	W	MICROPHONE POWER

Connector No.	B19
Connector Name	SATELLITE RADIO TUNER
Connector Type	A16FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	SOUND SIGNAL LH (-)
2	L	SOUND SIGNAL LH (+)
3	G	SOUND SIGNAL RH (-)
4	W	SOUND SIGNAL RH (+)
5	SHIELD	SHIELD
6	SHIELD	SHIELD
8	Y	REQUEST SIGNAL (SAT TO AUDIO)
9	G	COMMUNICATION SIGNAL (SAT-AUDIO)
10	L	COMMUNICATION SIGNAL (AUDIO-SAT)
12	BR	BAT
16	SB	ACC





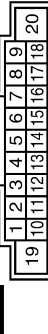
# POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

## BATTERY POWER SUPPLY FUSE No. 35

Connector No.	M72
Connector Name	AUDIO UNIT
Connector Type	TH18FW-CSZ



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

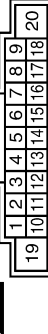
Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TIM



Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	AMP_ON SIGNAL
2	O	SOUND SIGNAL FRONT LH (+) [With BOSE system]
3	LG	SOUND SIGNAL FRONT LH (-) [With BOSE system]
4	Y	SOUND SIGNAL FRONT RH (+) [With BOSE system]
5	Y	SOUND SIGNAL FRONT RH (-) [With BOSE system]
6	G	SOUND SIGNAL FRONT SPEAKER LH (-) [Without BOSE system]

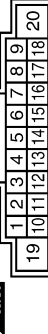
7	R	
8	GR	
9	BR	
10		
11	GR	
12	P	
14	SB	
15	V	
19	R	
20	P	
21	O	
22	L	
24	BR	
25	W	
30	L	
31	W	
42	O	
43	SHIELD	
51	W	
52	SB	
53	Y	
54	Y	
60	O	
61	BR	
62	G	
63	P	
68	W	
70	B	
71	P	
72	O	
78	SB	
79	V	
80	L	
81	W	
82	B	
83	LG	
88	BR	
89	G	
90	GR	
91	R	
92	L	
93	P	
94	W	
96	BR	
97	G	
99	SB	
100	Y	

Connector No.	M83
Connector Name	AUDIO UNIT
Connector Type	TH18FW-CSZ



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

Connector No.	M88
Connector Name	NAVI CONTROL UNIT
Connector Type	TH18FW-CSZ



Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	AMP_ON SIGNAL
2	R	SOUND SIGNAL FRONT LH (+) [With BOSE system]
3	R	SOUND SIGNAL FRONT SPEAKER LH (+) [Without BOSE system]
3	G	SOUND SIGNAL FRONT LH (-) [With BOSE system]
3	G	SOUND SIGNAL FRONT SPEAKER LH (-) [Without BOSE system]

4	V	SOUND SIGNAL REAR LH (+) [With BOSE system]
4	V	SOUND SIGNAL REAR SPEAKER LH (-) [Without BOSE system]
5	LG	SOUND SIGNAL REAR LH (-) [With BOSE system]
5	LG	SOUND SIGNAL REAR SPEAKER LH (-) [Without BOSE system]
6	BR	STRG SW A
7	SB	ACC
8	Y	ILLUMINATION CONTROL SIGNAL (-)
9	R	ILLUMINATION CONTROL SIGNAL (+)
11	O	SOUND SIGNAL FRONT RH (+) [With BOSE system]
11	O	SOUND SIGNAL FRONT SPEAKER RH (+) [Without BOSE system]
12	W	SOUND SIGNAL FRONT (-) [With BOSE system]
12	W	SOUND SIGNAL FRONT SPEAKER RH (-) [Without BOSE system]
13	L	SOUND SIGNAL REAR RH (+) [With BOSE system]
13	L	SOUND SIGNAL REAR SPEAKER RH (+) [Without BOSE system]
14	P	SOUND SIGNAL REAR RH (-) [With BOSE system]
14	P	SOUND SIGNAL REAR SPEAKER RH (-) [Without BOSE system]
15	GR	STRG SW GND
16	O	STRG SW B
18	L	VEHICLE SPEED (8-PULSE)
19	Y	BATTERY
20	B	GND

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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## BATTERY POWER SUPPLY FUSE No. 35

Connector No.	M83
Connector Name	iPod ADAPTER
Connector Type	TH24PW-NH



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

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# POWER SUPPLY ROUTING CIRCUIT

## [POWER SUPPLY & GROUND CIRCUIT]

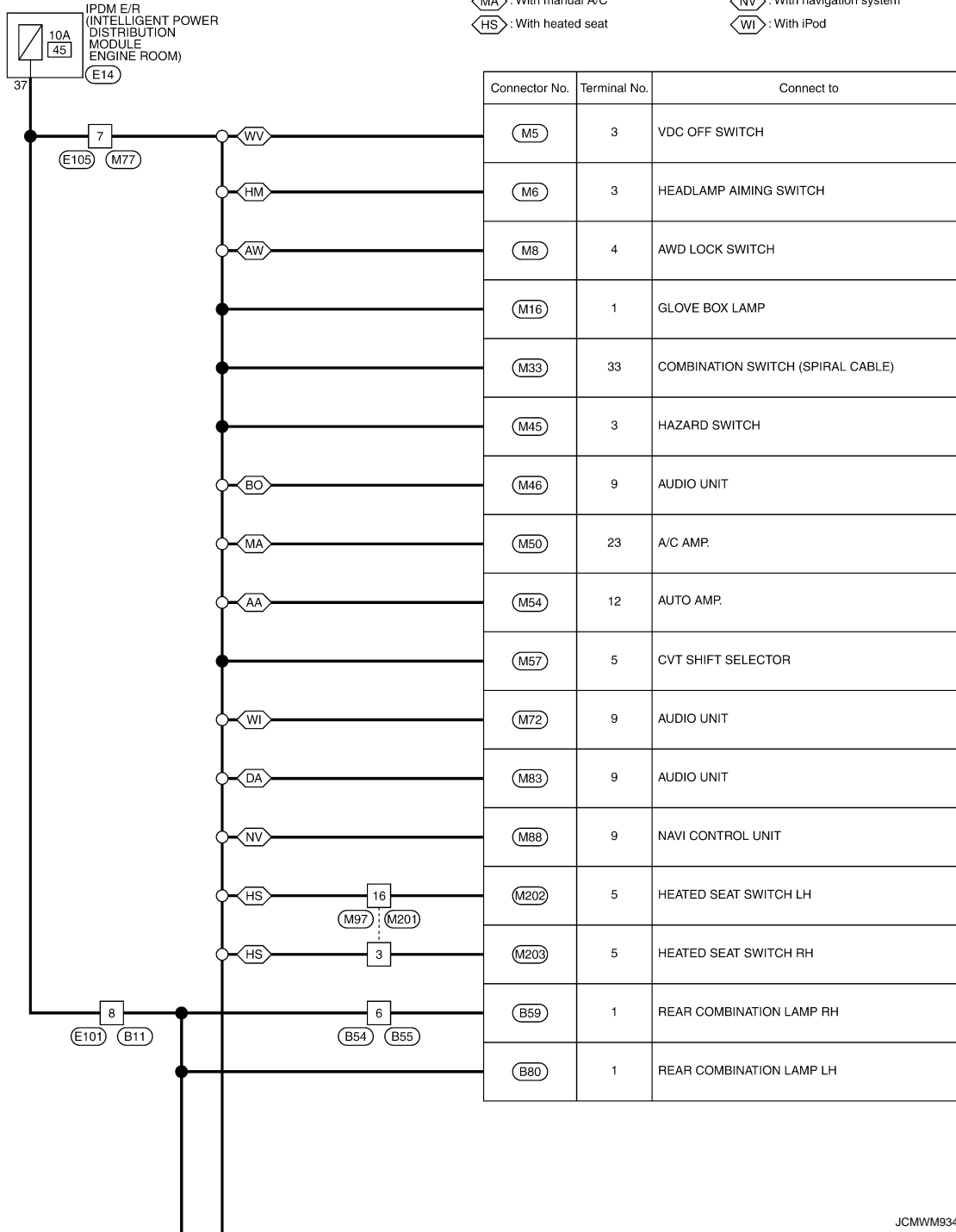
< DTC/CIRCUIT DIAGNOSIS >

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

INFOID:000000006200650

#### BATTERY POWER SUPPLY FUSE No. 45

- AW : AWD models
- WV : With VDC
- AA : With auto A/C
- MA : With manual A/C
- HS : With heated seat
- HM : With headlamp manual aiming
- BO : With base audio without iPod
- DA : With display audio
- NV : With navigation system
- WI : With iPod



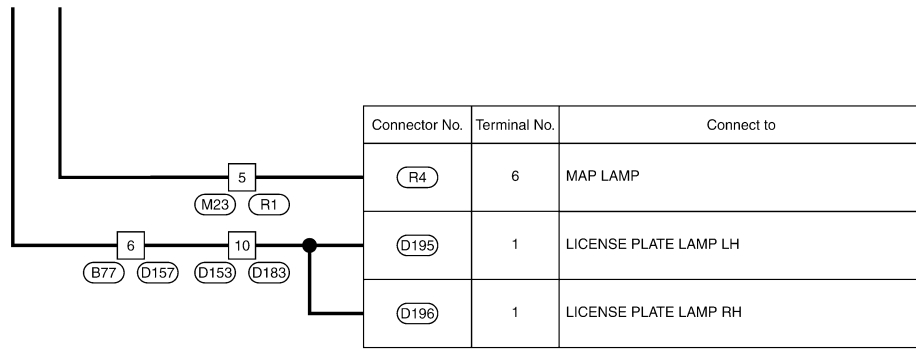
Connector No.	Terminal No.	Connect to
(M5)	3	VDC OFF SWITCH
(M6)	3	HEADLAMP AIMING SWITCH
(M8)	4	AWD LOCK SWITCH
(M16)	1	GLOVE BOX LAMP
(M33)	33	COMBINATION SWITCH (SPIRAL CABLE)
(M45)	3	HAZARD SWITCH
(M46)	9	AUDIO UNIT
(M50)	23	A/C AMP.
(M54)	12	AUTO AMP.
(M57)	5	CVT SHIFT SELECTOR
(M72)	9	AUDIO UNIT
(M83)	9	AUDIO UNIT
(M88)	9	NAVI CONTROL UNIT
(M202)	5	HEATED SEAT SWITCH LH
(M203)	5	HEATED SEAT SWITCH RH
(B59)	1	REAR COMBINATION LAMP RH
(B80)	1	REAR COMBINATION LAMP LH

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# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]



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JCMWM9343GB

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BATTERY POWER SUPPLY FUSE No. 45

Connector No.	B11
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS (F-TM4)



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
5	L	-
8	R	-
9	Y	-
12	BR	-
13	O	-
22	G	- [For Mexico]
22	SB	- [Except for Mexico]
23	SB	- [For Mexico]
23	G	- [Except for Mexico]
51	GR	-
52	SHIELD	-
53	L	-
54	B	-
62	Y	-
63	R	-
96	G	-

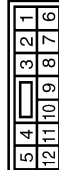
Connector No.	B54
Connector Name	WIRE TO WIRE
Connector Type	NS12MW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
3	SHIELD	-
4	R	-
5	L	-
6	R	-

7	GR	-
8	GR	-
9	LG	-
10	BR	-
11	L	-
12	V	-

Connector No.	B55
Connector Name	WIRE TO WIRE
Connector Type	NS12PW-CS



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

Connector No.	B59
Connector Name	REAR COMBINATION LAMP RH
Connector Type	NS6MMW-CS



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

4	B	-
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Connector No.	B77
Connector Name	WIRE TO WIRE
Connector Type	NS10MW-CS



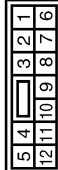
Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
2	Y	-
3	O	-
4	W	-
5	G	-
6	R	-
7	L	-
8	Y	-
9	SB	-
10	LG	-

Connector No.	B80
Connector Name	REAR COMBINATION LAMP LH
Connector Type	NS6MMW-CS



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

Connector No.	D153
Connector Name	WIRE TO WIRE
Connector Type	NS12FBR-CS



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

Connector No.	D157
Connector Name	WIRE TO WIRE
Connector Type	NS10FW-CS



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

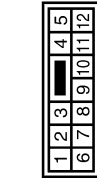
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

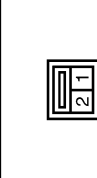
## BATTERY POWER SUPPLY FUSE No. 45

Connector No.	D183
Connector Name	WIRE TO WIRE
Connector Type	NS12MBR-CS



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

Connector No.	D195
Connector Name	LICENSE PLATE LAMP LH
Connector Type	TK02FBR



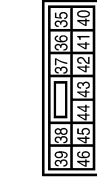
Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	B	-

Connector No.	D196
Connector Name	LICENSE PLATE LAMP RH
Connector Type	TK02FBR



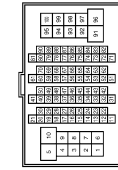
Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	B	-

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



Terminal No.	Color of Wire	Signal Name [Specification]
37	R	-
38	R	-
39	GR	-
40	BR	-
41	O	-
42	L	-
43	G	-
44	Y	-
45	W	-
46	W	-

Connector No.	E101
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
5	L	-
8	R	-
9	Y	-
12	BR	-
13	O	-
22	G	-
23	SB	-
51	GR	-
52	SHIELD	-
53	L	-
54	B	-
62	Y	-
63	R	-
96	O	-

Connector No.	E105
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4



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

8	GR	-
9	BR	-
10	L	-
11	GR	-
12	P	-
14	L	-
15	V	-
19	R	-
20	P	-
21	L	-
22	L	-
24	LG	-
25	SB	-
30	L	-
31	BR	-
42	Y	-
43	SHIELD	-
51	L	-
52	W	-
53	BR	-
54	Y	-
60	O	-
61	BR	-
62	R	-
63	P	-
69	G	-
70	B	-
71	O	-
72	LG	-
78	L	-
79	V	-
80	Y	-
81	W	-
82	R	-
83	L	-
88	BR	-
89	R	-
90	GR	-
91	R	-
92	O	-
93	BR	-
94	W	-
96	BR	-
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99	SB	-
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# POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

## BATTERY POWER SUPPLY FUSE No. 45

Connector No.	M5
Connector Name	VDC OFF SWITCH
Connector Type	TK06GY



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

Connector No.	M6
Connector Name	HEADLAMP AIMING SWITCH
Connector Type	A04FW



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

Connector No.	M8
Connector Name	AWD LOCK SWITCH
Connector Type	TK06FW-1V



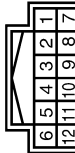
Terminal No.	Color of Wire	Signal Name [Specification]
1	O	-
2	Y	-
3	B	-
4	R	-

Connector No.	M16
Connector Name	GLOVE BOX LAMP
Connector Type	A02FW



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

Connector No.	M23
Connector Name	WIRE TO WIRE
Connector Type	TH12FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
3	W	-
5	R	-
7	P	-
8	SHIELD	-
9	B	-
11	Y	-
12	Y	-

Connector No.	M33
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TK06GY-1V



Terminal No.	Color of Wire	Signal Name [Specification]
24	BR	-
25	GR	-
26	SB	-
27	G	-
31	GR	-
32	O	-
33	R	-
34	Y	-

Connector No.	M45
Connector Name	HAZARD SWITCH
Connector Type	TK04FW



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

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



Terminal No.	Color of Wire	Signal Name [Specification]
2	R	SOUND SIGNAL FRONT SPEAKER LH (+)
3	G	SOUND SIGNAL FRONT SPEAKER LH (-)
4	V	SOUND SIGNAL REAR SPEAKER LH (+)
5	LG	SOUND SIGNAL REAR SPEAKER LH (-)
7	SR	ACC
8	Y	ILLUMINATION CONTROL SIGNAL (-)
9	R	ILLUMINATION CONTROL SIGNAL (+)
11	O	SOUND SIGNAL FRONT SPEAKER RH (+)
12	W	SOUND SIGNAL FRONT SPEAKER RH (-)
13	L	SOUND SIGNAL REAR SPEAKER RH (+)
14	P	SOUND SIGNAL REAR SPEAKER RH (-)
19	Y	BATTERY

JCMWM9346GB



# POWER SUPPLY ROUTING CIRCUIT

## [POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

### BATTERY POWER SUPPLY FUSE No. 45

Connector No.	M50
Connector Name	A/C AMP.
Connector Type	SAB40PW



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

Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	BATTERY POWER SUPPLY
2	W	IGNITION POWER SUPPLY
3	B	GROUND
16	P	INTAKE SENSOR GROUND
17	O	INTAKE SENSOR SIGNAL
18	V	A/C LAN SIGNAL
20	GR	RR DEF F/S
21	Y	IGNITION 2 POWER SUPPLY
22	G	EACH DOOR MOTOR POWER SUPPLY
23	GR	LIGHT+
24	SB	LIGHT-
36	R	BLOWER MOTOR FEEDBACK SIGNAL
37	L	FAN CONTROL AMP. CONTROL SIGNAL
38	SB	RR DEF SW
39	LG	FAN ON SIGNAL
40	Y	A/C SWITCH SIGNAL

Connector No.	M54
Connector Name	AUTO AMP.
Connector Type	TK20FY



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	W	IGN
2	LG	BAT
3	B	GND (POWER)
4	Y	COMP ON
5	G	LAN (+)
8	LG	INCAR SENS

9	BR	AMB SENS
10	Y	SUN SENS
11	SB	LIGHT (-)
12	GR	LIGHT (+)
15	V	LAN (-)
17	L	FR/FAN DUT
18	R	FR/FAN F/B
19	LG	FAN ON
20	Y	FR/IGN 2

Connector No.	M57
Connector Name	CVT SHIFT SELECTOR
Connector Type	TH18FW-NH



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

Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
2	B	-
3	G	- [With Intelligent Key]
4	B	- [Without Intelligent Key]
5	R	-
6	Y	-
7	LG	-
8	O	-
9	V	-
10	B	-
11	P	-
16	SB	-

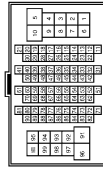
Connector No.	M72
Connector Name	AUDIO UNIT
Connector Type	TH18FW-CSZ



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

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

Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	TH180MW-CS18-TM4



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

24	BR	-
25	W	-
30	L	-
31	W	-
42	O	-
43	SHIELD	-
51	W	-
52	SB	-
53	L	-
54	Y	-
60	O	-
61	BR	-
62	G	-
63	P	-
69	W	-
70	B	-
71	P	-
72	O	-
76	SB	-
78	V	-
80	L	-
81	W	-
82	B	-
83	LG	-
88	BR	-
89	G	-
90	GR	-
91	R	-
92	L	-
93	P	-
94	W	-
96	BR	-
97	G	-
99	SB	-
100	Y	-

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P

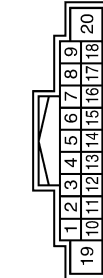
# POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

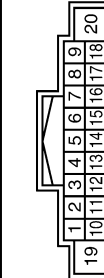
## BATTERY POWER SUPPLY FUSE No. 45

Connector No.	M83
Connector Name	AUDIO UNIT
Connector Type	TH18FW-CSZ



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

Connector No.	M88
Connector Name	NAVI CONTROL UNIT
Connector Type	TH18FW-CSZ



Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	AMP_ON SIGNAL
2	R	SOUND SIGNAL FRONT LH (+) [With BOSE system]
3	G	SOUND SIGNAL FRONT SPEAKER LH (-) [Without BOSE system]
3	G	SOUND SIGNAL FRONT LH (-) [With BOSE system]
3	G	SOUND SIGNAL FRONT SPEAKER LH (-) [Without BOSE system]

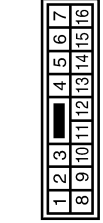
4	V	SOUND SIGNAL REAR LH (+) [With BOSE system]
4	V	SOUND SIGNAL REAR SPEAKER LH (-) [Without BOSE system]
5	LG	SOUND SIGNAL REAR LH (-) [With BOSE system]
5	LG	SOUND SIGNAL REAR SPEAKER LH (-) [Without BOSE system]
6	BR	STRG SW A
7	SB	ACC
8	Y	ILLUMINATION CONTROL SIGNAL (-)
9	R	ILLUMINATION CONTROL SIGNAL (+)
10	O	SOUND SIGNAL FRONT RH (+) [With BOSE system]
11	O	SOUND SIGNAL FRONT SPEAKER RH (-) [Without BOSE system]
11	O	SOUND SIGNAL FRONT RH (-) [With BOSE system]
12	W	SOUND SIGNAL FRONT (-) [With BOSE system]
12	W	SOUND SIGNAL FRONT SPEAKER RH (-) [Without BOSE system]
13	L	SOUND SIGNAL REAR RH (+) [With BOSE system]
13	L	SOUND SIGNAL REAR SPEAKER RH (-) [Without BOSE system]
14	P	SOUND SIGNAL REAR RH (-) [With BOSE system]
14	P	SOUND SIGNAL REAR SPEAKER RH (-) [Without BOSE system]
15	GR	STRG SW GND
16	O	STRG SW B
18	L	VEHICLE SPEED (8-PULSE)
19	Y	BATTERY
20	B	GND

Connector No.	M97
Connector Name	WIPE TO WIRE
Connector Type	NS16FW-CS



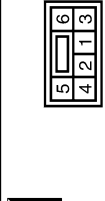
Terminal No.	Color of Wire	Signal Name [Specification]
1	P	
2	R	
3	V	
4	W	
5	GR	
6	SB	
7	G	
8	B	
9	G	
10	Y	
13	O	
15	O	
16	R	

Connector No.	M201
Connector Name	WIPE TO WIRE
Connector Type	NS16MW-CS



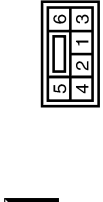
Terminal No.	Color of Wire	Signal Name [Specification]
1	G	
2	R	
3	R	
4	W	
5	GR	
6	SB	
7	G	
8	B	
9	G	
10	Y	
13	B	
15	O	
16	R	

Connector No.	M202
Connector Name	HEATED SEAT SWITCH LH
Connector Type	NS06FW-CS



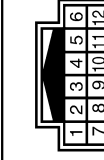
Terminal No.	Color of Wire	Signal Name [Specification]
1	G	
2	W	
3	O	
4	B	
5	R	
6	Y	

Connector No.	M203
Connector Name	HEATED SEAT SWITCH RH
Connector Type	NS06FBR-CS



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

Connector No.	RI
Connector Name	WIPE TO WIRE
Connector Type	TH12MW-NH



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

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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## BATTERY POWER SUPPLY FUSE No. 45

Connector No.	R4
Connector Name	MAP LAMP
Connector Type	TK08FGY



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

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# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

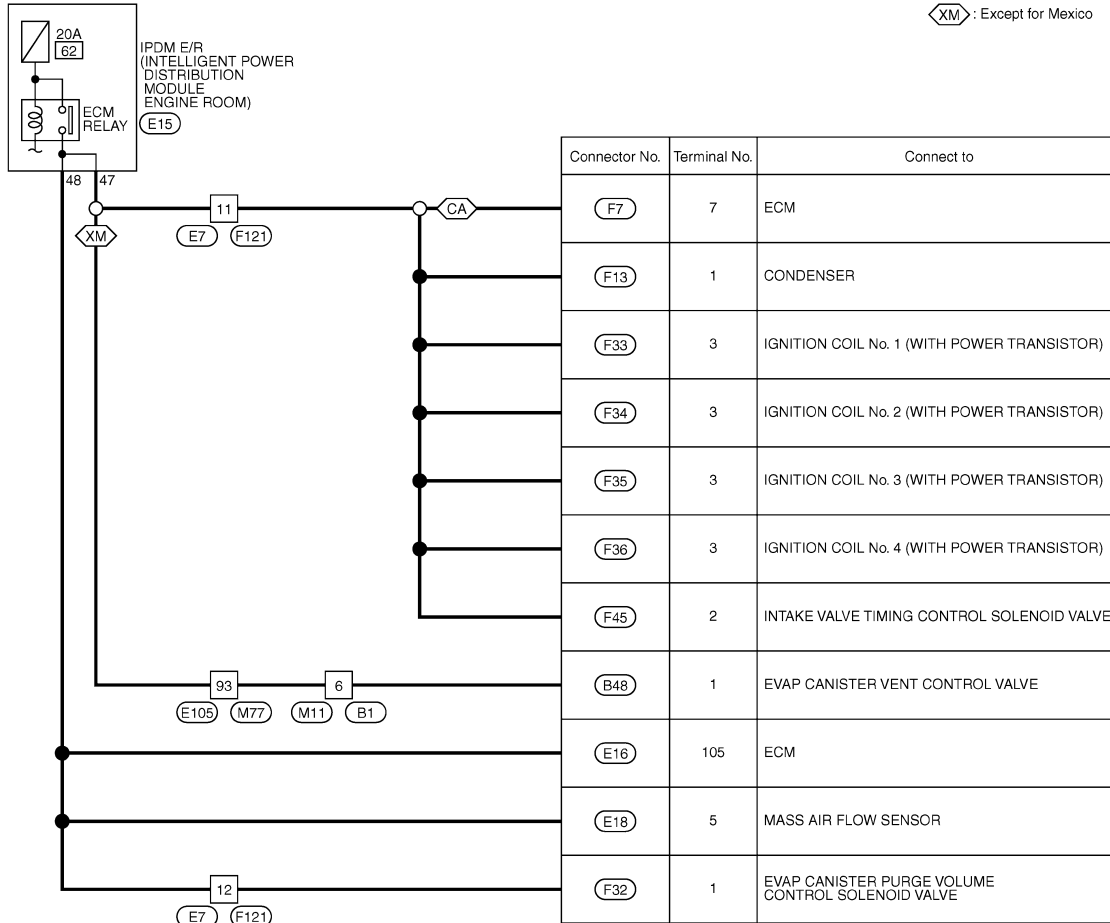
[POWER SUPPLY & GROUND CIRCUIT]

## Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 62 -

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### BATTERY POWER SUPPLY FUSE No. 62

CA : For California  
 XM : Except for Mexico



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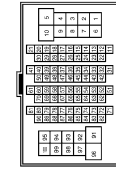
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BATTERY POWER SUPPLY FUSE No. 62

Connector No.	B1
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS 6-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	BR	-
3	G	-
4	L	-
6	BR	-
7	Y	-
8	LG	-
9	BR	-
10	BR	-
21	R	-
35	SHIELD	-
36	R	-
37	LG	-
38	SHIELD	-
39	O	-
40	G	-
41	R	-
45	L	-
46	W	-
47	SHIELD	-
48	W	-
49	W	-
50	SHIELD	-
52	L	-
53	L	-
53	G	- [With base audio or BOSE system]
54	O	-
55	Y	-
56	LG	-
57	SB	-
58	W	-
59	B	-
60	SB	-
62	GR	-
63	W	-
65	SHIELD	-
66	BR	-
67	LG	-

68	SB	-
69	SHIELD	-
70	W	-
71	W	-
72	Y	-
77	L	-
80	R	-
81	W	-
82	GR	-
86	Y	-
87	P	-
91	GR	-
92	R	-
93	W	-
94	G	-
95	O	-
96	Y	-
97	SB	-
98	Y	-
99	Y	-
100	L	-

Connector No.	B48
Connector Name	EVAP CANISTER VENT CONTROL VALVE
Connector Type	E02FB-RS



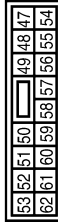
Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	-
2	W	-

Connector No.	E7
Connector Name	WIRE TO WIRE
Connector Type	NS16MW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	-
2	SB	-
3	O	-
4	B	-
5	V	-
8	L	-
8	LG	-
10	B	-
11	BR	-
12	R	-
14	P	-
15	O	-

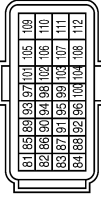
Connector No.	E15
Connector Name	ENGINE INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	NS16FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
47	BR	-
48	R	-
50	G	-
51	L	-
52	P	-
55	O	-
56	SB	-
57	V	-
58	LG	-
59	BR	-

60	SB	-
61	R	-

Connector No.	E16
Connector Name	ECM
Connector Type	RH24FB-R28-L-LH



Terminal No.	Color of Wire	Signal Name [Specification]
81	SB	APS 1
82	G	APS 2
83	R	AVCC 1-APS 1
84	Y	GND-APS 1
85	R	ASCD SW
86	BR	FTPRES
87	V	AVCC 2-APS 2
88	L	KLINE
91	Y	AVCC 2-FTPRES
92	W	GND-ASCD SW
93	O	IGN SW
95	O	TF
96	P	GND-FTPRES
97	P	VEHCAN-L
98	L	VEHCAN-H
100	W	GND-APS 2
102	LG	NEUT-H
104	B	GND-TF
105	R	VBR
106	Y	BRAKE
107	B	GND
108	B	GND
109	W	GDOV
110	GR	BNG SW
111	B	GND
112	B	GND

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# POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

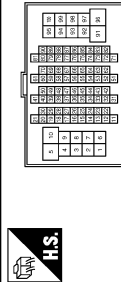
## BATTERY POWER SUPPLY FUSE No. 62

Connector No.	E18
Connector Name	MASS AIR FLOW SENSOR
Connector Type	RH06FB



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

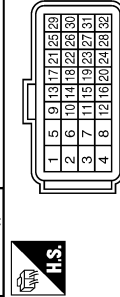
Connector No.	E105
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4



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

22	L	-
24	LG	-
25	SB	-
30	Y	-
31	BR	-
42	Y	-
43	SHIELD	-
51	L	-
52	W	-
53	BR	-
54	Y	-
60	O	-
61	BR	-
62	R	-
63	P	-
69	G	-
70	B	-
71	O	-
72	LG	-
78	L	-
79	Y	-
80	Y	-
81	W	-
82	R	-
83	L	-
88	BR	-
89	GR	-
90	GR	-
91	R	-
92	O	-
93	BR	-
94	W	-
96	BR	-
97	G	-
99	SB	-
100	L	-

Connector No.	F7
Connector Name	ECM
Connector Type	RH24FY-RZ8-R-LH



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

1	V	SCV 2
2	P	VMOT-B 1
3	LG	SCV 1
4	R	ASH 1
5	GR	MOTOR 1-B 1
6	L	MOTOR 2-B 1
7	BR	VSCV
9	R	IGN#3
10	W	IGN#2
11	SB	IGN#1
12	B	GND
13	Y	O2HR 1
14	GR	FPR
15	V	MOTRLY-B 1
16	B	GND
17	SB	O2HR 2, 3RD, O2H
21	G	IGN#4
24	L	SSOFF
25	Y	EVAP
29	P	INJ#4
30	LG	INJ#3
31	BR	INJ#2
32	GR	INJ#1

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



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

Connector No.	F32
Connector Name	EVAP CANISTER PURGE VOLUME CONTROL SOLENOID VALVE
Connector Type	EQ2EL-RS-LCY



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

Connector No.	F33
Connector Name	IGNITION COIL No. 1 (WITH POWER TRANSISTOR)
Connector Type	EQ3FGY-RS



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

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BATTERY POWER SUPPLY FUSE No. 62

Connector No.	F34
Connector Name	IGNITION COIL No. 2 (WITH POWER TRANSISTOR)
Connector Type	E03FCY-RS



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

Connector No.	F35
Connector Name	IGNITION COIL No. 3 (WITH POWER TRANSISTOR)
Connector Type	E03FCY-RS



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

Connector No.	F36
Connector Name	IGNITION COIL No. 4 (WITH POWER TRANSISTOR)
Connector Type	E03FCY-RS



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

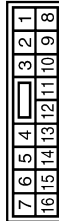
1	G
2	B
3	BR

Connector No.	F45
Connector Name	INTAKE VALVE TIMING CONTROL SOLENOID VALVE
Connector Type	E02FG-RS-LGY



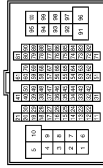
Terminal No.	Color of Wire	Signal Name [Specification]
1	O	-
2	BR	-

Connector No.	F121
Connector Name	WIRE TO WIRE
Connector Type	NS16FY-GS



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

Connector No.	M11
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	BR	-
3	G	-
4	LG	-
6	P	-
7	Y	-
8	LG	-
9	P	-
10	Y	-
21	R	-
35	SHIELD	-
36	P	-
37	LG	-
38	SHIELD	-
39	O	-
40	G	-
41	R	-
45	BR	-
46	L	-
47	SHIELD	-
48	V	-
49	W	-
50	SHIELD	-
52	O	-
53	L	-
54	V	-
55	Y	-
56	LG	-
57	SB	-
58	W	-
59	B	-
60	SB	-
62	GR	-
63	BR	-
65	SHIELD	-
66	BR	-
67	LG	-
68	SB	-

69	SHIELD
70	LG
71	O
72	BR
77	L
80	R
81	W
82	GR
86	Y
87	P
91	L
92	B
93	GR
94	G
95	O
96	P
97	SB
98	GR
99	R
100	L

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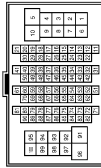
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BATTERY POWER SUPPLY FUSE No. 62

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



Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	-
2	O	-
3	LG	-
4	Y	-
5	Y	-
6	G	-
7	R	-
8	GR	-
9	BR	-
10	L	-
11	GR	-
12	P	-
14	SB	-
15	V	-
19	R	-
20	P	-
21	O	-
22	L	-
24	BR	-
25	W	-
30	L	-
31	W	-
42	O	-
45	SHIELD	-
51	W	-
52	SB	-
53	L	-
54	Y	-
60	O	-
61	BR	-
62	G	-
63	P	-
69	W	-
70	B	-
71	P	-
72	O	-
76	SB	-
78	V	-

80	L	-
81	W	-
82	B	-
83	LG	-
88	BR	-
89	G	-
90	GR	-
91	R	-
92	L	-
93	P	-
94	W	-
96	BR	-
97	G	-
99	SB	-
100	Y	-

JCMWM9353GB





# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

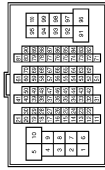
## ACCESSORY POWER SUPPLY

Connector No.	E1
Connector Name	FUSIBLE LINK HOLDER
Connector Type	LO2FCY-MC



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

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



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

30	L	-
31	BR	-
42	Y	-
43	SHIELD	-
51	L	-
52	W	-
53	BR	-
54	Y	-
60	O	-
61	BR	-
62	R	-
63	P	-
69	G	-
70	B	-
71	O	-
72	LG	-
78	L	-
79	V	-
80	Y	-
81	W	-
82	R	-
83	L	-
88	BR	-
89	R	-
90	GR	-
91	R	-
92	O	-
93	BR	-
94	W	-
96	BR	-
97	G	-
99	SB	-
100	L	-

Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	LO2FB-MC



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

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



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

Connector No.	M29
Connector Name	IGNITION SWITCH
Connector Type	MO6FFW-LC



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

Connector No.	M61
Connector Name	FRONT POWER SOCKET
Connector Type	PO2FB-Z



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

1	O
2	B

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## ACCESSORY POWER SUPPLY

Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS (E-TM4)



Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	-
2	O	-
3	LG	-
4	Y	-
5	Y	-
6	G	-
7	R	-
8	GR	-
9	BR	-
10	L	-
11	GR	-
12	P	-
14	SB	-
15	V	-
19	R	-
20	P	-
21	O	-
22	L	-
24	BR	-
25	W	-
30	L	-
31	W	-
42	O	-
43	SHIELD	-
51	W	-
52	SB	-
53	L	-
54	Y	-
60	O	-
61	BR	-
62	G	-
63	P	-
69	W	-
70	B	-
71	P	-
72	O	-
78	SB	-
78	V	-

80	L	-
81	W	-
82	B	-
83	LG	-
88	BR	-
89	G	-
90	GR	-
91	R	-
92	L	-
93	P	-
94	W	-
96	BR	-
97	G	-
99	SB	-
100	Y	-

Connector No.	M78
Connector Name	WIRE TO WIRE
Connector Type	LU21MB-MC



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

Connector No.	M87
Connector Name	WIRE TO WIRE
Connector Type	NS16FW-CS



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

4	W	-
5	GR	-
8	SB	-
7	G	-
8	B	-
9	G	-
10	Y	-
13	B	-
15	O	-
16	R	-

Connector No.	M201
Connector Name	WIRE TO WIRE
Connector Type	NS16MW-CS



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

Connector No.	M204
Connector Name	CONSOLE POWER SOCKET
Connector Type	P02FB-Z



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

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# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

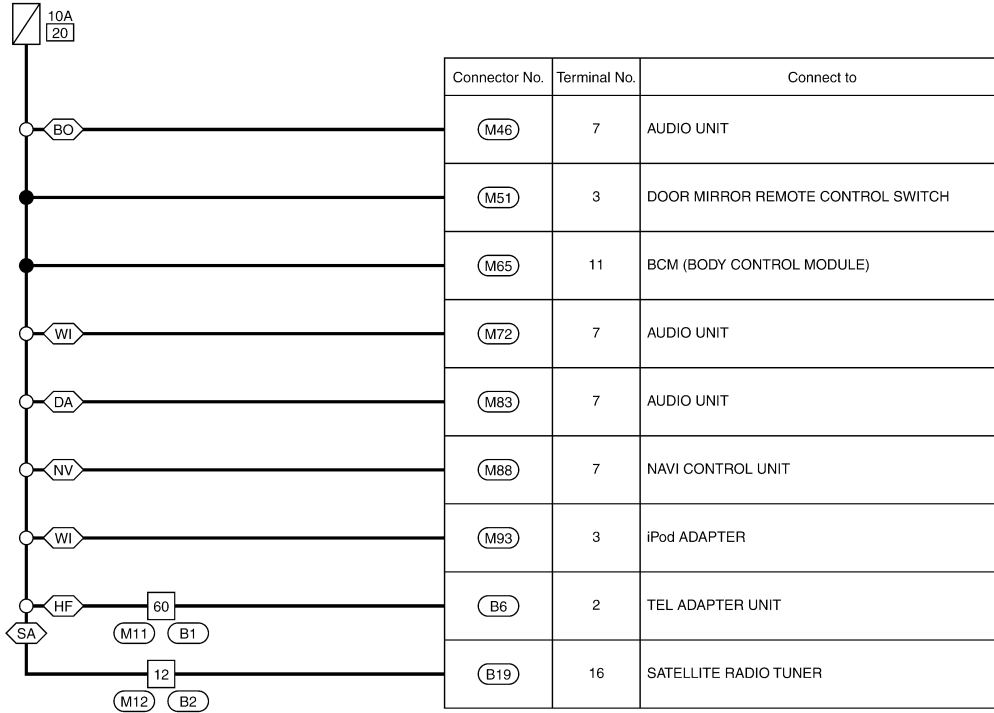
[POWER SUPPLY & GROUND CIRCUIT]

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

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### ACCESSORY POWER SUPPLY FUSE No. 20

- ⬡BO⬢ : With base audio without iPod
- ⬡DA⬢ : With display audio
- ⬡NV⬢ : With navigation system
- ⬡SA⬢ : With satellite radio
- ⬡HF⬢ : With telephone
- ⬡WI⬢ : With iPod



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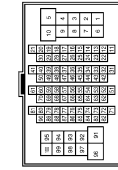
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## ACCESSORY POWER SUPPLY FUSE No. 20

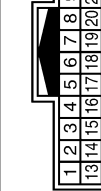
Connector No.	B1
Connector Name	WIRE TO WIRE
Connector Type	TH20MW-CS-E-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	BR	-
3	G	-
4	L	-
6	BR	-
7	Y	-
8	LG	-
9	BR	-
10	BR	-
21	R	-
35	SHIELD	-
36	R	-
37	LG	-
38	SHIELD	-
39	O	-
40	G	-
41	R	-
45	L	-
46	W	-
47	SHIELD	-
48	W	-
49	W	-
50	SHIELD	-
52	L	-
53	L	-
54	G	-
55	O	-
56	LG	-
57	SB	-
58	W	-
59	B	-
60	SB	-
62	GR	-
63	W	-
65	SHIELD	-
66	BR	-
67	LG	-

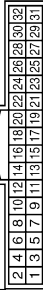
68	SB	-
69	SHIELD	-
70	W	-
71	W	-
72	Y	-
77	L	-
80	R	-
81	W	-
82	GR	-
86	Y	-
87	P	-
91	GR	-
92	R	-
93	W	-
94	G	-
95	O	-
96	Y	-
97	SB	-
98	Y	-
99	Y	-
100	L	-

Connector No.	B2
Connector Name	WIRE TO WIRE
Connector Type	TH24MW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
7	SHIELD	-
8	G	-
9	SHIELD	-
10	G	-
11	R	-
12	SB	-
20	L	-
21	Y	-
22	W	-
23	L	-

Connector No.	B6
Connector Name	TEL ADAPTER UNIT
Connector Type	TH22PW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	BAT
2	SB	ACC
3	W	IGN
4	B	GND
7	B	MICROPHONE SIGNAL (+)
8	SHIELD	MICROPHONE SIGNAL (-)
9	BR	SOUND SIGNAL (+)
10	Y	SOUND SIGNAL (-)
11	O	TEL ON SIGNAL
12	W	STEERING SW SIGNAL A
13	Y	STEERING SW SIGNAL B
14	GR	STEERING SW SIGNAL GND
17	W	STEERING SW SIGNAL A
18	L	STEERING SW SIGNAL B
19	GR	STEERING SW SIGNAL 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	L	VEHICLE SPEED SIGNAL (PULSED) (With display mode)
28	G	VEHICLE SPEED SIGNAL (PULSED) (Without display mode or POSE system)
29	W	MICROPHONE POWER

Connector No.	B19
Connector Name	SATELLITE RADIO TUNER
Connector Type	A18FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	SOUND SIGNAL LH (-)
2	L	SOUND SIGNAL LH (+)
3	G	SOUND SIGNAL RH (-)
4	W	SOUND SIGNAL RH (+)
5	SHIELD	SHIELD
6	SHIELD	SHIELD
8	Y	REQUEST SIGNAL (SAT TO AUDIO)
9	G	COMMUNICATION SIGNAL (SAT-AUDIO)
10	L	COMMUNICATION SIGNAL (AUDIO-SAT)
12	BR	BAT
16	SB	ACC

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# POWER SUPPLY ROUTING CIRCUIT

## [POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

### ACCESSORY POWER SUPPLY FUSE No. 20

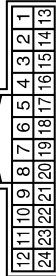
Connector No.	M11
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	BR	-
3	G	-
4	LG	-
6	P	-
7	Y	-
8	LG	-
9	P	-
10	Y	-
21	R	-
35	SHIELD	-
36	P	-
37	LG	-
38	SHIELD	-
39	O	-
40	G	-
41	R	-
45	BR	-
46	L	-
47	SHIELD	-
48	V	-
49	W	-
50	SHIELD	-
52	O	-
53	L	-
54	V	-
55	Y	-
56	LG	-
57	SB	-
58	W	-
59	B	-
60	SB	-
62	GR	-
63	BR	-
65	SHIELD	-
66	BR	-
67	LG	-
68	SB	-

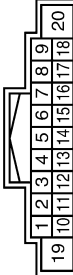
69	SHIELD	-
70	LG	-
71	O	-
72	BR	-
77	L	-
80	R	-
81	W	-
82	GR	-
86	Y	-
87	P	-
91	L	-
92	B	-
93	GR	-
94	G	-
95	O	-
96	P	-
97	SB	-
98	GR	-
99	R	-
100	L	-

Connector No.	M12
Connector Name	WIRE TO WIRE
Connector Type	TH24FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
7	SHIELD	-
8	B	-
9	SHIELD	-
10	G	-
11	R	-
12	SB	-
20	L	-
21	Y	-
22	W	-
23	L	-

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



Terminal No.	Color of Wire	Signal Name [Specification]
2	R	SOUND SIGNAL FRONT SPEAKER LH (+)
3	G	SOUND SIGNAL FRONT SPEAKER LH (-)
4	V	SOUND SIGNAL REAR SPEAKER LH (+)
5	LG	SOUND SIGNAL REAR SPEAKER LH (-)
7	SB	ACC
8	Y	ILLUMINATION CONTROL SIGNAL (-)
9	R	ILLUMINATION CONTROL SIGNAL (+)
11	O	SOUND SIGNAL FRONT SPEAKER RH (+)
12	W	SOUND SIGNAL FRONT SPEAKER RH (-)
13	L	SOUND SIGNAL REAR SPEAKER RH (+)
14	P	SOUND SIGNAL REAR SPEAKER RH (-)
19	Y	BATTERY

Connector No.	M61
Connector Name	DOOR MIRROR REMOTE CONTROL SWITCH
Connector Type	NS10FW-CS



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

Connector No.	M65
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	KEY RING OUTPUT
2	G	-
3	Y	INPUT 5
4	W	INPUT 4
5	R	INPUT 3
6	P	INPUT 2
7	L	KEY CYC UNLOCK
8	R	KEY CYC LOCK SW
9	R	BRAKE SW
10	SB	RR DEF SW
11	SB	ACC
12	P	DR SW AS
13	LG	DR SW RR
14	G	AUTO LIGHT SENS INPUT
17	W	SENS POWER SUPPLY
18	O	KEYLESS TUNER SENS GND
19	V	KEYLESS TUNER POWER
20	GR	KEYLESS TUNER SIGNAL
21	G	IMMOBILANT (CLOCK)
23	B	SECURITY IND OUT PUT
25	BR	IMMOBILANT (RX, TX)
27	Y	AIRCON SW
28	LG	BLOWER FAN SW
29	W	HAZARD SW
30	G	BACK DOOR OPEN SW
32	BR	OUTPUT 5
33	GR	OUTPUT 4
34	L	OUTPUT 3
35	B	OUTPUT 2
36	V	OUTPUT 1
37	LG	KEY SW
38	G	IGN
39	L	CAN-H
40	P	CAN-L

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## ACCESSORY POWER SUPPLY FUSE No. 20

Connector No.	M72
Connector Name	AUDIO UNIT
Connector Type	TH18FW-CSZ



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

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

Connector No.	M83
Connector Name	AUDIO UNIT
Connector Type	TH18FW-CSZ



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

Terminal No.	Color of Wire	Signal Name [Specification]
2	R	SOUND SIGNAL FRONT SPEAKER LH (+)
3	G	SOUND SIGNAL FRONT SPEAKER LH (-)
4	V	SOUND SIGNAL REAR SPEAKER LH (+)
5	LG	SOUND SIGNAL REAR SPEAKER LH (-)
6	BR	STRG SW A
7	SB	ACC

8	Y	ILLUMINATION CONTROL SIGNAL (-)
9	R	ILLUMINATION CONTROL SIGNAL (+)
11	O	SOUND SIGNAL FRONT SPEAKER RH (+)
12	W	SOUND SIGNAL FRONT SPEAKER RH (-)
13	L	SOUND SIGNAL REAR SPEAKER RH (+)
14	P	SOUND SIGNAL REAR SPEAKER RH (-)
15	GR	STRG SW GND
16	O	STRG SW B
18	L	VEHICLE SPEED (8-PULSE)
19	Y	BATTERY
20	B	GND

Connector No.	M88
Connector Name	NAVI CONTROL UNIT
Connector Type	TH18FW-CSZ



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

Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	AMP_ON SIGNAL
2	R	SOUND SIGNAL FRONT LH (+) [With BOSE system]
2	R	SOUND SIGNAL FRONT SPEAKER LH (+) [Without BOSE system]
3	G	SOUND SIGNAL FRONT LH (-) [With BOSE system]
3	G	SOUND SIGNAL FRONT SPEAKER LH (-) [Without BOSE system]
4	V	SOUND SIGNAL REAR LH (+) [With BOSE system]
4	V	SOUND SIGNAL REAR SPEAKER LH (+) [Without BOSE system]
5	LG	SOUND SIGNAL REAR LH (-) [With BOSE system]
5	LG	SOUND SIGNAL REAR SPEAKER LH (-) [Without BOSE system]
6	BR	STRG SW A
7	SB	ACC
8	Y	ILLUMINATION CONTROL SIGNAL (-)
9	R	ILLUMINATION CONTROL SIGNAL (+)
11	O	SOUND SIGNAL FRONT RH (+) [With BOSE system]
11	O	SOUND SIGNAL FRONT SPEAKER RH (+) [Without BOSE system]
12	W	SOUND SIGNAL FRONT RH (-) [With BOSE system]
12	W	SOUND SIGNAL FRONT SPEAKER RH (-) [Without BOSE system]
13	L	SOUND SIGNAL REAR RH (+) [With BOSE system]
13	L	SOUND SIGNAL REAR SPEAKER RH (+) [Without BOSE system]
14	P	SOUND SIGNAL REAR RH (-) [With BOSE system]
14	P	SOUND SIGNAL REAR SPEAKER RH (-) [Without BOSE system]
15	GR	STRG SW GND
16	O	STRG SW B
18	L	VEHICLE SPEED (8-PULSE)
19	Y	BATTERY

20	B	GND
----	---	-----

Connector No.	M83
Connector Name	iPod ADAPTER
Connector Type	TH24FW-NH



1	2	3	4	5	6	7	8	9			
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	SB	ACC
4	LG	AV COMM (L)
5	Y	BATTERY
6	GR	USB D+ SIGNAL
7	V	USB D- SIGNAL
8	G	iPod BATTERY CHARGE 12V
9	R	COMM (iPod ADAPTER→iPod)
10	L	COMM (iPod ADAPTER)
11	BR	ACCESSORY IDENTIFY
12	W	iPod SOUND SIGNAL LH (+)
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	P	iPod BATTERY CHARGE 5V
21	Y	iPod CONNECTION RECOGNITION
22	LG	ACCESSORY DETECT
23	B	iPod SOUND SIGNAL GND
24	R	iPod SOUND SIGNAL LH (+)

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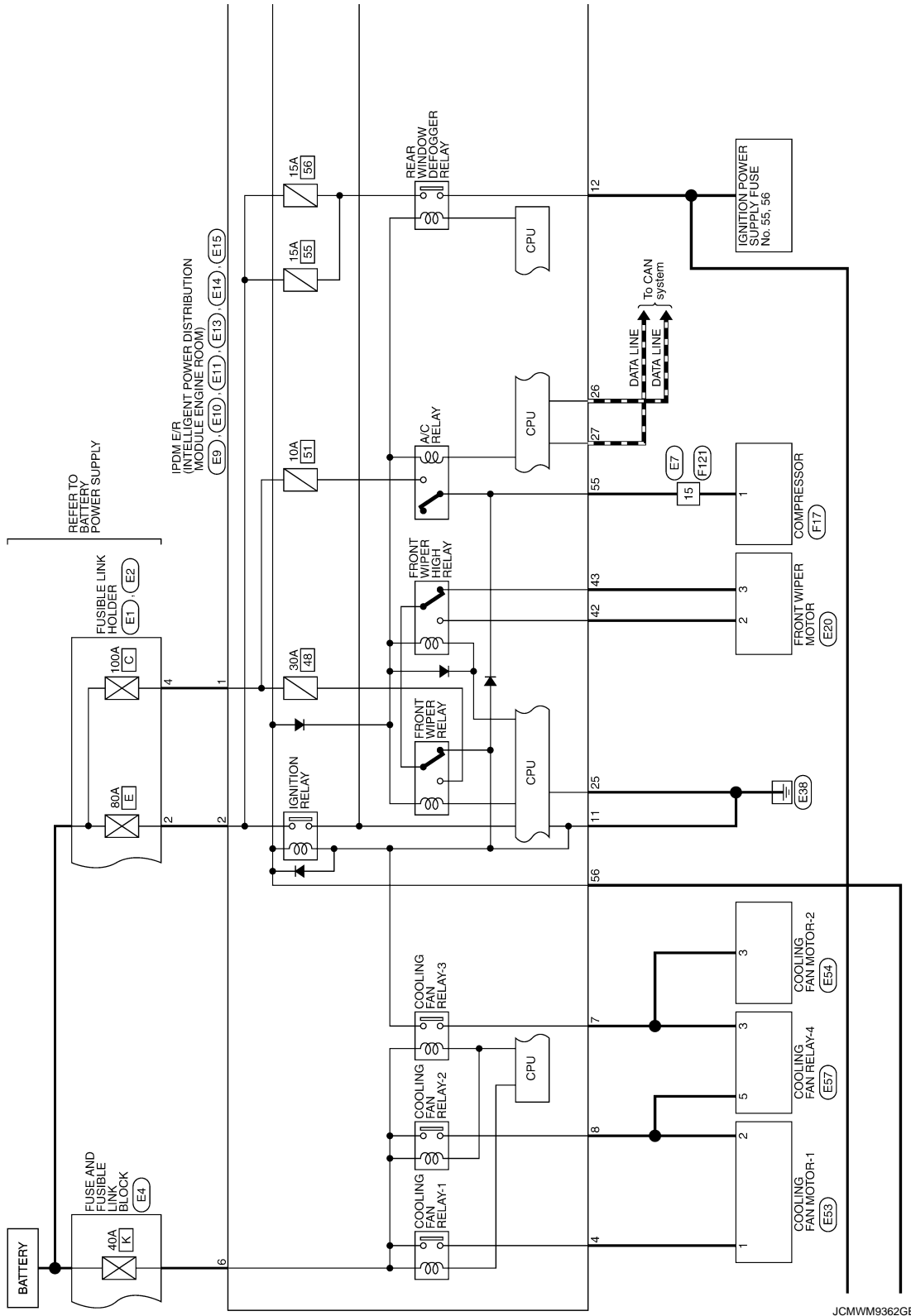




# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]



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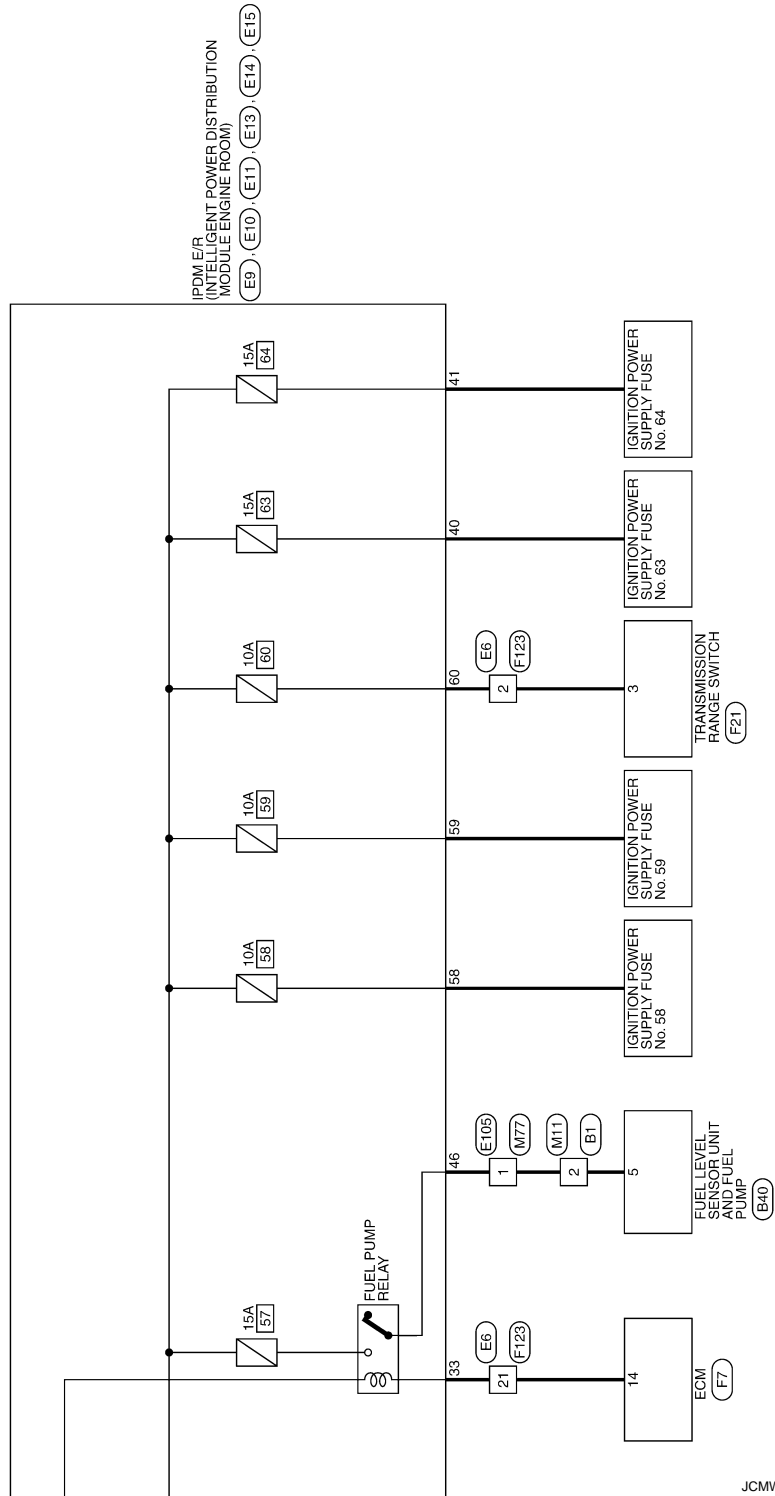
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# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]



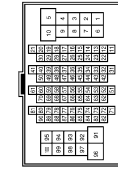
# POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

## IGNITION POWER SUPPLY

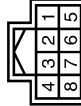
Connector No.	B1
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS (E-TM4)



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	
2	BR	
3	G	
4	L	
6	BR	
7	Y	
8	LG	
9	BR	
10	BR	
21	R	
35	SHIELD	
36	R	
37	LG	
38	SHIELD	
39	O	
40	G	
41	R	
45	L	
46	W	
47	SHIELD	
48	W	
49	W	
50	SHIELD	
52	L	
53	L	
54	G	
55	O	
56	LG	
57	SB	
58	W	
59	B	
60	SB	
62	GR	
63	W	
65	SHIELD	
66	BR	
67	LG	

68	SR	
69	SHIELD	
70	W	
71	W	
72	Y	
77	L	
80	R	
81	W	
82	GR	
86	Y	
87	P	
91	GR	
92	R	
93	W	
94	G	
95	O	
96	Y	
97	SB	
98	Y	
99	Y	
100	L	

Connector No.	B39
Connector Name	OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT
Connector Type	TH08FW-NH



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

Connector No.	B40
Connector Name	FUEL LEVEL SENSOR UNIT AND FUEL PUMP
Connector Type	E08FGY-RS



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

Connector No.	E1
Connector Name	FUSIBLE LINK HOLDER
Connector Type	L02FGY-MC



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

Connector No.	E2
Connector Name	FUSIBLE LINK HOLDER
Connector Type	L02FBR-MC-B



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

Connector No.	E6
Connector Name	WIRE TO WIRE
Connector Type	TK2AMW-IV



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

JCMWM9364GB

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

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## IGNITION POWER SUPPLY

Connector No.	E7
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	V	-
2	SB	-
3	O	-
4	B	-
5	V	-
6	L	-
8	LG	-
10	B	-
11	BR	-
12	R	-
14	P	-
15	O	-

Connector No.	E9
Connector Name	POWER/INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	LO2FB-MC



1	2
---	---

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

Connector No.	E10
Connector Name	POWER/INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	M06FW-LC



5	4	3
8	7	6

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

Connector No.	E11
Connector Name	POWER/INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	M06FB-LC



11	10	9
14	13	12

Terminal No.	Color of Wire	Signal Name [Specification]
11	B	-
12	O	-

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



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

Terminal No.	Color of Wire	Signal Name [Specification]
23	W	-
24	Y	-
25	B	-
26	P	-
27	L	-
31	LG	-
32	V	-
33	GR	-
34	W	-

Connector No.	E14
Connector Name	POWER/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]
37	R	-
38	R	-
39	GR	-
40	BR	-
41	O	-
42	L	-
43	G	-
45	Y	-
46	W	-

Connector No.	E15
Connector Name	POWER/INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	NS16FW-CS



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

Terminal No.	Color of Wire	Signal Name [Specification]
53	W	-
54	G	-
55	B	-
56	B	-

Terminal No.	Color of Wire	Signal Name [Specification]
47	BR	-
48	R	-
50	G	-
51	L	-
52	P	-
55	O	-
56	SB	-
57	V	-
58	LG	-
59	BR	-
60	SB	-
61	R	-

Connector No.	E20
Connector Name	FRONT WIPER MOTOR
Connector Type	RS08FGY-PR



3	2	1
4	5	6

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

Connector No.	E23
Connector Name	COOLING FAN MOTOR-1
Connector Type	RS04FGY-PR



2	1
4	3

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

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## IGNITION POWER SUPPLY

Connector No.	E14
Connector Name	COOLING FAN MOTOR-2
Connector Type	RS04FGY-PR



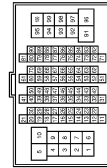
Terminal No.	Color of Wire	Signal Name [Specification]
1	O	
2	O	
3	P	
4	GR	

Connector No.	E57
Connector Name	COOLING FAN RELAY-4
Connector Type	MS02FL-M2



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

Connector No.	E105
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-C516-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	
2	O	
3	LG	
4	V	
5	Y	
6	G	
7	R	
8	GR	
9	BR	
10	L	
11	GR	
12	P	
14	L	
15	V	
19	R	
20	P	
21	L	
22	L	
24	LG	
25	SB	
30	L	
31	BR	
42	Y	
43	SHIELD	
51	L	
52	W	
53	BR	
54	Y	
60	O	
61	BR	
62	R	
63	P	
69	G	
70	B	
71	O	
72	LG	
78	L	
79	V	
80	Y	
81	W	
82	R	
83	L	
88	BR	
89	R	
90	GR	
91	R	
92	O	
93	BR	
94	W	
96	BR	

97	G	
99	SB	
100	E	

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



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

Connector No.	F7
Connector Name	ECM
Connector Type	RH24FGY-RZ8-R-LH



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	SCV 2
2	P	VMOT-B 1
3	LG	SCV 1
4	R	AFH 1
5	GR	MOTOR 1-B 1
6	L	MOTOR 2-B 1
7	BR	VSCV
9	R	IGN#3
10	W	IGN#2
11	SB	IGN#1
12	B	GND
13	Y	OZHR 1
14	GR	FPR
15	V	MOTRY-B 1
16	B	GND

17	SB	OZHR 2, 3RD O2H
21	G	IGN#4
24	L	SSOFF
25	Y	EYAP
29	P	IGN#4
30	LG	IGN#3
31	BR	IGN#2
32	GR	IGN#1

Connector No.	F17
Connector Name	COMPRESSOR
Connector Type	RH02FB



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

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



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

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

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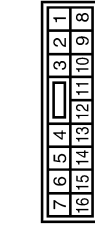
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

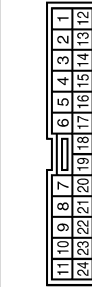
## IGNITION POWER SUPPLY

Connector No.	F121
Connector Name	WIRE TO WIRE
Connector Type	NS16FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	
2	SB	
3	O	
4	B	
5	V	
6	L	
8	LG	
10	B	
11	BR	
12	R	
14	P	
15	Y	

Connector No.	F123
Connector Name	WIRE TO WIRE
Connector Type	TK24FW-1V



Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	
2	SB	
3	G	
4	Y	
5	L	
6	BR	
8	O	
10	P	
11	R	
12	P	

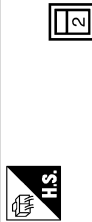
13	L	
15	LG	
16	R	
18	L	
19	Y	
20	W	
21	GR	
23	W	
24	L	

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



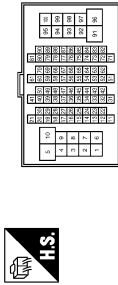
Terminal No.	Color of Wire	Signal Name [Specification]
1	L	

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



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

Connector No.	M11
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	
2	BR	
3	G	
4	LG	
6	P	
7	Y	
8	LG	
9	P	
10	Y	
21	R	
35	SHIELD	
36	P	
37	LG	
38	SHIELD	
39	O	
40	G	
41	R	
45	BR	
46	L	
47	SHIELD	
48	V	
49	W	
50	SHIELD	
52	O	
53	L	
54	V	
55	Y	
56	LG	
57	SB	
58	W	
59	B	
60	SB	
62	GR	
63	BR	
65	SHIELD	
66	BR	
67	LG	
68	SB	

69	SHIELD	
70	LG	
71	O	
72	BR	
77	L	
80	R	
81	W	
82	GR	
86	Y	
87	P	
91	L	
92	B	
93	GR	
94	G	
95	O	
96	P	
97	SB	
98	GR	
99	R	
100	L	

Connector No.	M27
Connector Name	COMBINATION SWITCH
Connector Type	TK16FW



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

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# POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

## IGNITION POWER SUPPLY

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



1	5	3
6	2	4

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

Connector No.	M34
Connector Name	COMBINATION METER
Connector Type	TH40FW-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	LG	BATTERY POWER SUPPLY
2	O	IGNITION SIGNAL
3	B	GROUND
4	B	GROUND
5	BR	A/C AUTO AMP. CONNECTION RECOGNITION SIGNAL
7	GR	OVERDRIVE CONTROL SWITCH SIGNAL
9	L	PADDLE SHIFTER SHIFT UP SIGNAL
10	G	PADDLE SHIFTER SHIFT DOWN SIGNAL
13	Y	ILLUMINATION CONTROL SIGNAL
15	LG	AIR BAG SIGNAL
16	O	ENGINE COOLANT TEMPERATURE SIGNAL
19	BR	AMBIENT SENSOR SIGNAL
20	SB	AMBIENT SENSOR GROUND
21	L	CAN-H
22	P	CAN-L
24	B	FUEL LEVEL SENSOR SIGNAL GROUND
25	SB	ALTERNATOR SIGNAL

26	V	PARKING BRAKE SWITCH SIGNAL
27	BR	BRAKE FLUID LEVEL SWITCH SIGNAL
28	B	SECURITY SIGNAL
29	W	WASHER LEVEL SWITCH SIGNAL
30	Y	VEHICLE SPEED SIGNAL (2-PULSE)
31	L	VEHICLE SPEED SIGNAL (8-PULSE)
34	G	FUEL LEVEL SENSOR SIGNAL
35	O	SEAT BELT BUCKLE SWITCH SIGNAL (DRIVER SIDE)
36	G	SEAT BELT BUCKLE SWITCH SIGNAL (PASSENGER SIDE)
37	P	NON-MANUAL MODE SIGNAL
38	O	MANUAL MODE SHIFT DOWN SIGNAL
39	V	MANUAL MODE SHIFT UP SIGNAL
40	LG	MANUAL MODE SIGNAL

Connector No.	M50
Connector Name	A/C AMP.
Connector Type	SAB40FW



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	LG	BATTERY POWER SUPPLY
2	W	IGNITION POWER SUPPLY
3	B	GROUND
16	P	INTAKE SENSOR GROUND
17	O	INTAKE SENSOR SIGNAL
18	V	A/C LAN SIGNAL
20	GR	RR DEF F/S
21	Y	IGNITION 2 POWER SUPPLY
22	G	EACH DOOR MOTOR POWER SUPPLY
23	GR	LIGHT+
24	SB	LIGHT-
36	R	BLOWER MOTOR FEEDBACK SIGNAL
37	L	FAN CONTROL AMP. CONTROL SIGNAL
38	SB	RR DEF SW
39	LG	FAN ON SIGNAL
40	Y	A/C SWITCH SIGNAL

Connector No.	M54
Connector Name	AUTO AMP.
Connector Type	TK20FGY



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	W	IGN
2	LG	BAT
3	B	GND (POWER)
4	Y	COMP ON
5	G	LAN (+)
8	LG	INCAR SENS
9	BR	AMP SENS
10	Y	SUN SENS
11	SB	LIGHT (-)
12	GR	LIGHT (+)
15	V	LAN (-)
17	L	FR/FAN OUT
18	R	FR/FAN F/B
19	LG	FAN ON
20	Y	FR/IGN 2

Connector No.	M55
Connector Name	AUTO AMP.
Connector Type	TK10FGY



21	22	23	24	25	26	27	28
29	30	31	32	33	34	35	36

Terminal No.	Color of Wire	Signal Name [Specification]
21	O	WATER TEMP
22	SB	RR/DEF SW
23	GR	RR/DEF F/B
24	R	SENS GND
25	O	INT SENS
28	BR	OUTSIDE TEMP POWER

Connector No.	M69
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	NH2FFY-EX



8	9	7	6	5	4	3
19	23	24	22	21	20	18
18	16	19	25	1	1	1

Terminal No.	Color of Wire	Signal Name [Specification]
1	R	IGN
2	B	GND
3	Y	INFLATOR DR 1+
4	Y/B	INFLATOR DR 1- & DR 2-
5	Y/G	INFLATOR DR 2+
6	Y/G	INFLATOR AS 1+
7	Y/B	INFLATOR AS 1-
8	Y	INFLATOR AS 2+
9	Y/R	INFLATOR AS 2-
18	W	ECZS+
19	O	ECZS-
22	SHIELD	GND
23	LG	A/B W/L
24	G	SEATBELT W/L
25	GR	A/B CUTOFF TELLTALE
59	L	CAN HI
60	P	CAN LO

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

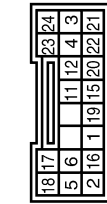
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

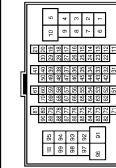
## IGNITION POWER SUPPLY

Connector No.	M60
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	TK20Y-EX-SC



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	IGN
2	B	GND
3	Y	INFLATOR DR+
4	Y/R	INFLATOR DR-
5	Y/G	INFLATOR AS+
6	Y/B	INFLATOR AS-
11	W	ECZS+
12	O	ECZS-
15	LG	A/B W/L
16	SHIELD	GND
22	Y	K-LINE

Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4



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

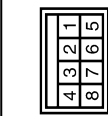
12	P	-
14	SB	-
15	V	-
19	R	-
20	P	-
21	O	-
22	L	-
24	BR	-
25	W	-
30	L	-
31	W	-
42	O	-
43	SHIELD	-
51	W	-
52	SB	-
53	L	-
54	Y	-
60	O	-
61	BR	-
62	G	-
63	P	-
69	W	-
70	B	-
71	P	-
72	O	-
78	SB	-
79	V	-
80	L	-
81	W	-
82	B	-
83	LG	-
88	BR	-
89	G	-
90	GR	-
91	R	-
92	L	-
93	P	-
94	W	-
96	BR	-
97	G	-
99	SB	-
100	Y	-

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



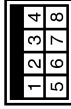
Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	R	-

Connector No.	M89
Connector Name	WIRE TO WIRE
Connector Type	MD8FY-GY-LC



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

Connector No.	M801
Connector Name	WIRE TO WIRE
Connector Type	MB8MW-GY-LC



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

Connector No.	M812
Connector Name	BLOWER MOTOR
Connector Type	MD2FW-LC



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

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# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

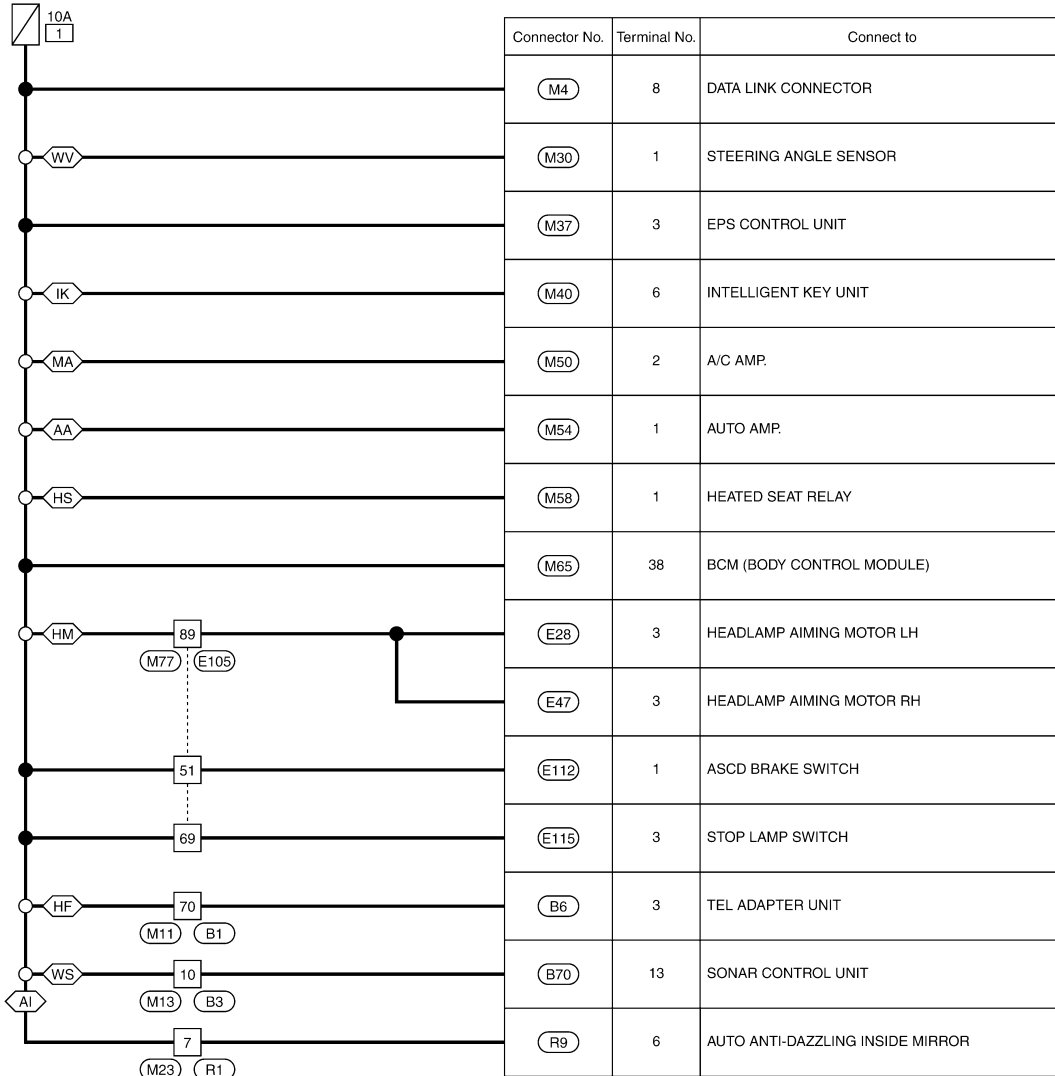
[POWER SUPPLY & GROUND CIRCUIT]

## Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 1 -

INFOID:000000006200655

### IGNITION POWER SUPPLY FUSE No. 1

- : With VDC
- : With auto A/C
- : With manual A/C
- : With Intelligent Key
- : With headlamp manual aiming
- : With heated seat
- : With auto anti-dazzling inside mirror
- : With sonar system
- : With telephone



2010/06/18

JCMWM9370GB

A  
B  
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P

PG

# POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

## IGNITION POWER SUPPLY FUSE No. 1

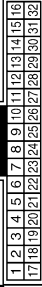
Connector No.	B1
Connector Name	WIRE TO WIRE
Connector Type	TH30MW-CS (F-TM4)



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	
2	BR	
3	G	
4	L	
6	BR	
7	Y	
8	LG	
9	BR	
10	BR	
21	R	
35	SHIELD	
37	LG	
38	SHIELD	
39	O	
40	G	
41	R	
45	L	
46	W	
47	SHIELD	
48	V	
48	W	
50	SHIELD	
52	L	
53	L	- [With display audio]
53	G	- [With base audio or EOSE system]
54	O	
55	Y	
56	LG	
57	SB	
58	W	
59	B	
60	SB	
62	GR	
63	W	
65	SHIELD	
66	BR	
67	LG	

68	SB	-
69	SHIELD	-
70	W	-
71	W	-
72	Y	-
77	L	-
80	R	-
81	W	-
82	GR	-
86	Y	-
87	P	-
91	GR	-
92	R	-
93	W	-
94	G	-
95	O	-
96	Y	-
97	SB	-
98	Y	-
99	V	-
100	L	-

Connector No.	E3
Connector Name	WIRE TO WIRE
Connector Type	TH32MW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	
2	G	
4	R	
5	W	
6	G	
10	G	
13	Y	
14	BR	
15	P	
16	W	
17	LG	
18	R	
19	SB	
20	B	
21	SHIELD	

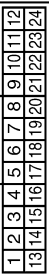
26	P	-
28	L	-
30	O	-
31	GR	-
32	LG	-

Connector No.	B6
Connector Name	TEL ADAPTER UNIT
Connector Type	TH32FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	BAT
2	SB	ACC
3	W	IGN
4	B	GND
7	B	MICROPHONE SIGNAL (+)
8	SHIELD	MICROPHONE SIGNAL (-)
9	BR	SOUND SIGNAL (+)
10	Y	SOUND SIGNAL (-)
11	O	TEL-ON SIGNAL
12	W	STEERING SW SIGNAL A
13	Y	STEERING SW SIGNAL B
14	GR	STEERING SW SIGNAL GND
17	W	STEERING SW SIGNAL A
18	L	STEERING SW SIGNAL B
19	GR	STEERING SW SIGNAL 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	L	VEHICLE SPEED SIGNAL (2-PULSE) [With display audio]
28	G	VEHICLE SPEED SIGNAL (2-PULSE) [With base audio or EOSE system]
29	W	MICROPHONE POWER

Connector No.	B70
Connector Name	SONAR CONTROL UNIT
Connector Type	TH24FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
3	L	CENTER SENSOR SIGNAL LH
4	BR	CENTER SENSOR SIGNAL RH
5	V	CORNER SENSOR SIGNAL LH
6	LG	CORNER SENSOR SIGNAL RH
12	GR	SENSOR GND
13	G	IGNITION POWER SUPPLY
17	SB	REVERSE SIGNAL
18	P	K LINE
24	B	GND

Connector No.	E28
Connector Name	HEADLAMP AIMING MOTOR LH
Connector Type	RH03FB



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

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

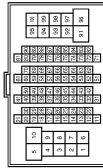
## IGNITION POWER SUPPLY FUSE No. 1

Connector No.	E47
Connector Name	HEADLAMP AIMING MOTOR RH
Connector Type	RH03FB



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

Connector No.	E105
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-C516-TM4



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

25	SB	-
30	L	-
31	BR	-
42	-	-
43	SHIELD	-
51	L	-
52	W	-
53	BR	-
54	Y	-
60	O	-
61	BR	-
62	R	-
63	P	-
69	G	-
70	B	-
71	O	-
72	LG	-
78	L	-
79	V	-
80	Y	-
81	W	-
82	R	-
83	L	-
88	BR	-
89	R	-
90	GR	-
91	R	-
92	O	-
93	BR	-
94	W	-
96	BR	-
97	G	-
99	SB	-
100	L	-

Connector No.	E112
Connector Name	ASCD BRAKE SWITCH
Connector Type	IM02BFR-LC



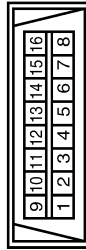
Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	GR	-

Connector No.	E115
Connector Name	STOP LAMP SWITCH
Connector Type	IM04FP-LC



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

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	O	-
8	W	-
14	P	-
16	V	-

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# POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

## IGNITION POWER SUPPLY FUSE No. 1

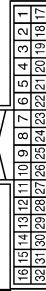
Connector No.	M11
Connector Name	WIRE TO WIRE
Connector Type	TH80YW-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	
2	BR	
3	G	
4	LG	
6	P	
7	Y	
8	LG	
9	P	
10	Y	
21	R	
35	SHIELD	
36	P	
37	LG	
38	SHIELD	
39	O	
40	G	
41	R	
45	BR	
46	L	
47	SHIELD	
48	V	
49	W	
50	SHIELD	
52	O	
53	L	
54	V	
55	Y	
56	LG	
57	SB	
58	W	
59	B	
60	SB	
62	GR	
63	BR	
65	SHIELD	
66	BR	
67	LG	
68	SB	

69	SHIELD	-
70	LG	-
71	O	-
72	BR	-
77	L	-
80	R	-
81	W	-
82	GR	-
86	Y	-
87	P	-
91	L	-
92	B	-
93	GR	-
94	G	-
95	O	-
96	P	-
97	SB	-
98	GR	-
99	R	-
100	L	-

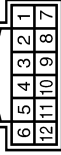
Connector No.	M13
Connector Name	WIRE TO WIRE
Connector Type	TH32FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	
2	Y	
4	R	
5	W	
6	G	
10	W	
13	Y	
14	O	
15	W	
16	V	
17	LG	
18	BR	
19	SB	
20	B	
21	SHIELD	
26	W	

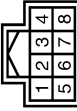
29	L	-
30	B	-
31	GR	-
32	G	-

Connector No.	M23
Connector Name	WIRE TO WIRE
Connector Type	TH12FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	
3	W	
5	R	
7	P	
8	SHIELD	
9	B	
11	Y	
12	Y	

Connector No.	M30
Connector Name	STEERING ANGLE SENSOR
Connector Type	TH08FW-NH



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

Connector No.	M37
Connector Name	EPS CONTROL UNIT
Connector Type	MAA08FB



Terminal No.	Color of Wire	Signal Name [Specification]
3	W	IGN
5	L	CAN-H
7	P	CAN-L

JCMWM9373GB



# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## IGNITION POWER SUPPLY FUSE No. 1

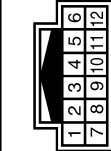
Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	-
2	O	-
3	LG	-
4	Y	-
5	Y	-
6	G	-
7	R	-
8	GR	-
9	BR	-
10	L	-
11	GR	-
12	P	-
14	SB	-
15	V	-
19	R	-
20	P	-
21	O	-
22	L	-
24	BR	-
25	W	-
30	L	-
31	W	-
42	O	-
45	SHIELD	-
51	W	-
52	SB	-
53	L	-
54	Y	-
60	O	-
61	BR	-
62	G	-
63	P	-
69	W	-
70	B	-
71	P	-
72	O	-
78	SB	-
79	V	-

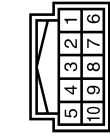
80	L	-
81	W	-
82	B	-
83	LG	-
88	BR	-
89	G	-
90	GR	-
91	R	-
92	L	-
93	P	-
94	W	-
96	BR	-
97	G	-
99	SB	-
100	Y	-

Connector No.	R1
Connector Name	WIRE TO WIRE
Connector Type	TH12MP-NH



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

Connector No.	R9
Connector Name	AUTO ANTI-DAZLING INSIDE MIRROR
Connector Type	TH10FB-NH



Terminal No.	Color of Wire	Signal Name [Specification]
6	B/R	-
8	B	-
10	B/Y	-

# POWER SUPPLY ROUTING CIRCUIT

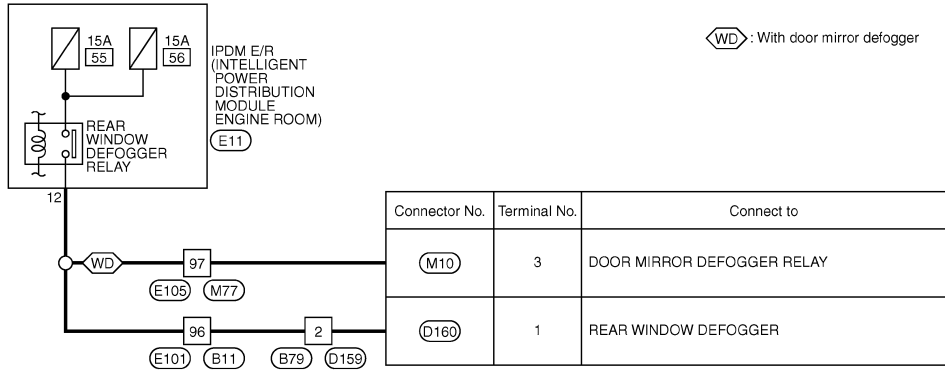
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 55, 56 -

INFOID:000000006200656

### IGNITION POWER SUPPLY FUSE No. 55, 56



A  
B  
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F  
G  
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J  
K  
L  
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2008/07/15

JCMWM2914GB

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## IGNITION POWER SUPPLY FUSE No. 55, 56

Connector No.	B11
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	
5	L	
8	R	
9	Y	
12	BR	
13	O	
22	G	-- [For Mexico]
22	SB	-- [Except for Mexico]
23	SB	-- [For Mexico]
23	G	-- [Except for Mexico]
51	GR	
52	SHIELD	
53	L	
54	B	
62	Y	
63	R	
96	G	

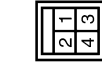


Connector No.	B79
Connector Name	WIRE TO WIRE
Connector Type	MD6MW-LC



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

Connector No.	D159
Connector Name	WIRE TO WIRE
Connector Type	MD6FW-LC



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

Connector No.	D160
Connector Name	REAR WINDOW DEFOGGER
Connector Type	PD1FB-A



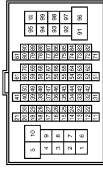
Terminal No.	1
Color of Wire	G
Signal Name [Specification]	

Connector No.	E11
Connector Name	WIRE TO INTELLIGENT POWER DISTRIBUTION MODULE FROM ENGINE ROOM
Connector Type	MD6FB-LC



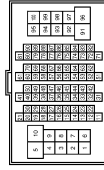
Terminal No.	Color of Wire	Signal Name [Specification]
11	B	
12	O	

Connector No.	E101
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	
5	L	
8	R	
9	Y	
12	BR	
13	O	
22	G	
23	SB	
51	GR	
52	SHIELD	
53	L	
54	B	
62	Y	
63	R	
96	O	

Connector No.	E105
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4



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

8	GR	
9	BR	
10	L	
11	GR	
12	P	
14	L	
15	V	
19	R	
20	P	
21	L	
22	L	
24	LG	
25	SB	
30	L	
31	BR	
42	Y	
43	SHIELD	
51	L	
52	W	
53	BR	
54	Y	
60	O	
61	BR	
62	R	
63	P	
69	G	
70	B	
71	O	
72	LG	
78	L	
79	V	
80	Y	
81	W	
82	R	
83	L	
88	BR	
89	R	
90	GR	
91	R	
92	O	
93	BR	
94	W	
96	BR	
97	G	
99	SB	
100	L	



# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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PG  
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O  
P

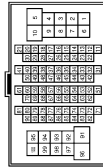
## IGNITION POWER SUPPLY FUSE No. 55\_56

Connector No.	M1D
Connector Name	DOOR MIRROR DEFOGGER RELAY
Connector Type	MS22FL-MZ-LC



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

Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	TH18DMW-CS16-TM4



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

24	BR	-
25	W	-
30	L	-
31	W	-
42	O	-
43	SHIELD	-
51	W	-
52	SB	-
53	L	-
54	Y	-
60	O	-
61	BR	-
62	G	-
63	P	-
69	W	-
70	B	-
71	P	-
72	O	-
78	SB	-
79	Y	-
80	L	-
81	W	-
82	B	-
83	LG	-
88	BR	-
89	G	-
90	GR	-
91	R	-
92	L	-
93	P	-
94	W	-
96	BR	-
97	G	-
99	SB	-
100	Y	-

# POWER SUPPLY ROUTING CIRCUIT

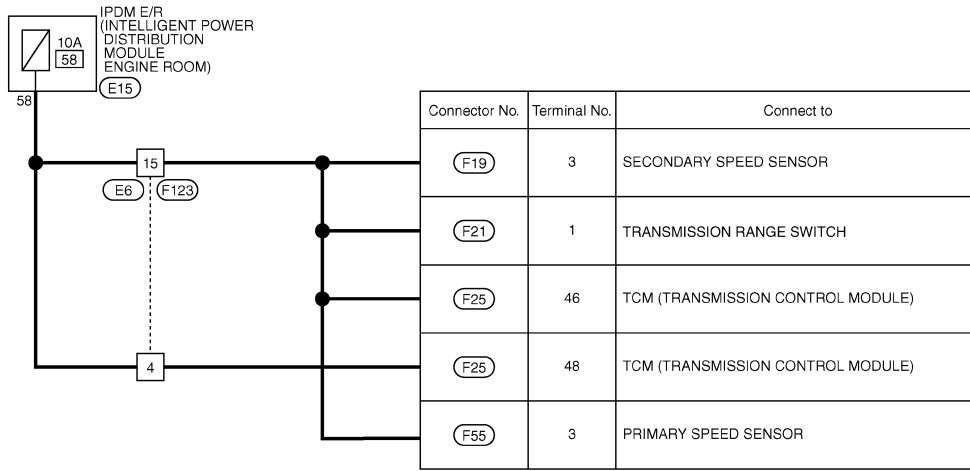
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 58 -

INFOID:000000006200657

### IGNITION POWER SUPPLY FUSE No. 58



2008/07/15

JCMWM2917GB

# POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

## IGNITION POWER SUPPLY FUSE No. 58

Connector No.	E6
Connector Name	WIRE TO WIRE
Connector Type	TK2AW-1V

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	BR	-
2	SB	-
3	G	-
4	LG	-
5	L	-
6	BR	-
8	O	-
10	LG	-
11	Y	-
12	P	-
13	L	-
15	LG	-
16	R	-
18	L	-
19	Y	-
20	W	-
21	GR	-
23	W	-
24	L	-

Connector No.	E15
Connector Name	MULTI LIGHT POWER DISTRIBUTION MODULE (POWER BLOCK)
Connector Type	NS16FW-CS

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

Terminal No.	Color of Wire	Signal Name [Specification]
47	BR	-
48	R	-
50	G	-

51	L
52	P
55	O
56	SB
57	V
58	LG
59	BR
60	SB
61	R

Connector No.	F19
Connector Name	SECONDARY SPEED SENSOR
Connector Type	RK03FEB

31	32	33	34	35	36	37	38	39	40	47	48
11	12	13	14	15	16	17	18	19	20	43	44

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

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

7	6	4	8
5	1	2	3

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

Connector No.	F25
Connector Name	TCM (TRANSMISSION CONTROL MODULE)
Connector Type	RH40FB-R2B-L-RH

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

Terminal No.	Color of Wire	Signal Name [Specification]
1	G	R RANGE SW
2	Y	N RANGE SW
3	W	D RANGE SW
4	V	L RANGE SW
5	B	L GND
7	Y	SENSOR GND
8	L	CLOCK (SEL 2)
9	G	CHIP SELECT (SEL 1)
10	W	DATA I/O (SEL 3)
11	L	P RANGE SW
13	SB	CVT FLUID TEMP SENSOR
14	BR	PRIMARY PRESSURE SENSOR
15	P	SECONDARY PRESSURE SENSOR
25	Y	SENSOR GND
26	LG	SENSOR POWER SOURCE (GV)
27	GR	STEP MOTOR D
28	V	STEP MOTOR C
29	O	STEP MOTOR B
30	R	STEP MOTOR A
31	P	CAN-L
32	L	CAN-H
33	O	PRIMARY SPEED SENSOR
34	R	SECONDARY SPEED SENSOR
37	L	L/U SELECT SOLENOID VALVE
38	G	TORQUE CONVERTER CLUTCH SOLENOID VALVE
39	W	SECONDARY PRESSURE SOLENOID VALVE
40	Y	LINE PRESSURE SOLENOID VALVE
42	B	GND
46	LG	VIGN
47	O	BATT
48	Y	VIGN

Connector No.	F65
Connector Name	PRIMARY SPEED SENSOR
Connector Type	RK03FEB

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

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

Connector No.	F23
Connector Name	WIRE TO WIRE
Connector Type	TK24FW-1V

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

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

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

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

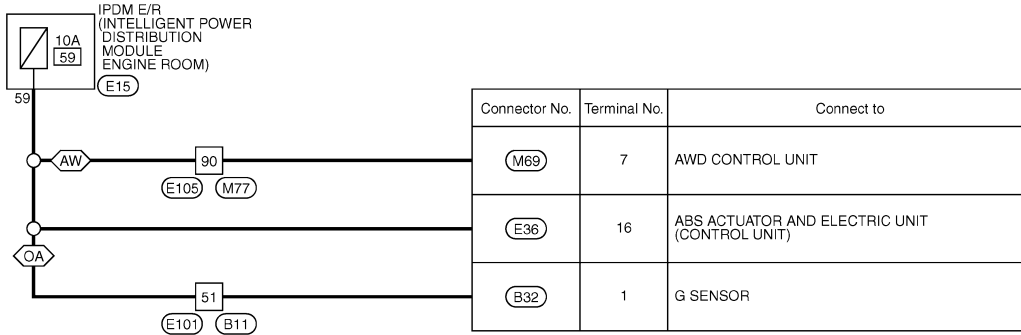
[POWER SUPPLY & GROUND CIRCUIT]

## Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 59 -

INFOID:000000006200658

### IGNITION POWER SUPPLY FUSE No. 59

AW: AWD models  
 OA: AWD models without VDC



2008/07/15

JCMWM2919GB

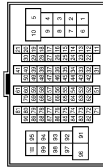
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## IGNITION POWER SUPPLY FUSE No. 59

Connector No.	B11
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS 6-TM4



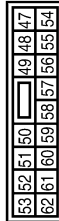
Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
5	L	-
8	R	-
9	Y	-
12	BR	-
13	O	-
22	G	- [For Mexico]
23	SB	- [Except for Mexico]
23	SB	- [For Mexico]
23	G	- [Except for Mexico]
51	GR	-
52	SHIELD	-
53	L	-
54	B	-
62	Y	-
63	R	-
96	G	-

Connector No.	B32
Connector Name	G SENSOR
Connector Type	VD205FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	IGN
2	B	GST
3	R	GS-2
4	L	GS-1
5	Y	GND

Connector No.	E15
Connector Name	IPM IN INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	NS16PW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
47	BR	-
48	R	-
50	G	-
51	L	-
52	P	-
55	O	-
56	SB	-
57	V	-
58	LG	-
59	BR	-
60	SB	-
61	R	-

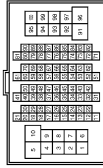
Connector No.	E36
Connector Name	4BS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT)
Connector Type	RH28FE-NJ4-DH



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	MOTOR
2	BR	ACTR
3	B	GND A
4	B	GND M
5	BR	VDC OFF SW
6	GR	ASGD CANCEL SW
8	SB	STOP LAMP SW
9	P	CAN L
11	O	RR SENSOR VB
12	R	FR SENSOR SIG

13	B	G CHECK
14	L	G SW 1
15	SB	RR SENSOR SIG
18	BR	IGN
20	Y	AMD COMM
21	G	FR SENSOR VB
22	L	CAN H
23	W	FL SENSOR VB
24	GR	DIAG K
26	BR	RL SENSOR VB
27	P	FL SENSOR SIG
28	Y	G GND
29	R	G SW 2
30	G	RL SENSOR SIG

Connector No.	E101
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
5	L	-
8	R	-
9	Y	-
12	BR	-
13	O	-
22	G	-
23	SB	-
51	GR	-
52	SHIELD	-
53	L	-
54	B	-
62	Y	-
63	R	-
96	O	-

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

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## IGNITION POWER SUPPLY FUSE No. 59

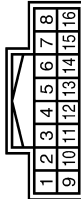
Connector No.	E105
Connector Name	WIRE TO WIRE
Connector Type	TH80W-C316-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	O	-
3	LG	-
4	V	-
5	Y	-
6	G	-
7	R	-
8	GR	-
9	BR	-
10	L	-
11	GR	-
12	P	-
14	L	-
15	V	-
19	R	-
20	P	-
21	L	-
22	L	-
24	LG	-
25	SB	-
30	L	-
31	BR	-
42	V	-
43	SHIELD	-
51	L	-
52	W	-
53	BR	-
54	Y	-
60	O	-
61	BR	-
62	R	-
63	P	-
69	G	-
70	B	-
71	O	-
72	LG	-
78	L	-
79	V	-

80	Y	-
81	W	-
82	R	-
83	L	-
88	BR	-
89	R	-
90	GR	-
91	R	-
92	O	-
93	BR	-
94	W	-
96	BR	-
97	G	-
99	SB	-
100	L	-

Connector No.	M69
Connector Name	AWD CONTROL UNIT
Connector Type	TH16FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	AWD SOL*
2	G	AWD SOL*
5	O	LOCK SW
6	L	LIN
7	GR	IGN
8	L	CAN-H
9	W	SOLBATT
10	B	GND
11	B	GND
14	O	LOCK SW
16	P	CAN-L

Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	TH80W-C316-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	-
2	O	-
3	LG	-
4	Y	-
5	Y	-
6	G	-
7	R	-
8	GR	-
9	BR	-
10	L	-
11	GR	-
12	P	-
14	SB	-
15	V	-
19	R	-
20	P	-
21	O	-
22	L	-
24	BR	-
25	W	-
30	L	-
31	W	-
42	O	-
43	SHIELD	-
51	W	-
52	SB	-
53	L	-
54	Y	-
60	O	-
61	BR	-
62	G	-
63	P	-
69	W	-
70	B	-
71	P	-
72	O	-
78	SB	-
79	V	-

80	L	-
81	W	-
82	B	-
83	LG	-
88	BR	-
89	G	-
90	GR	-
91	R	-
92	L	-
93	P	-
94	W	-
96	BR	-
97	G	-
99	SB	-
100	Y	-

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

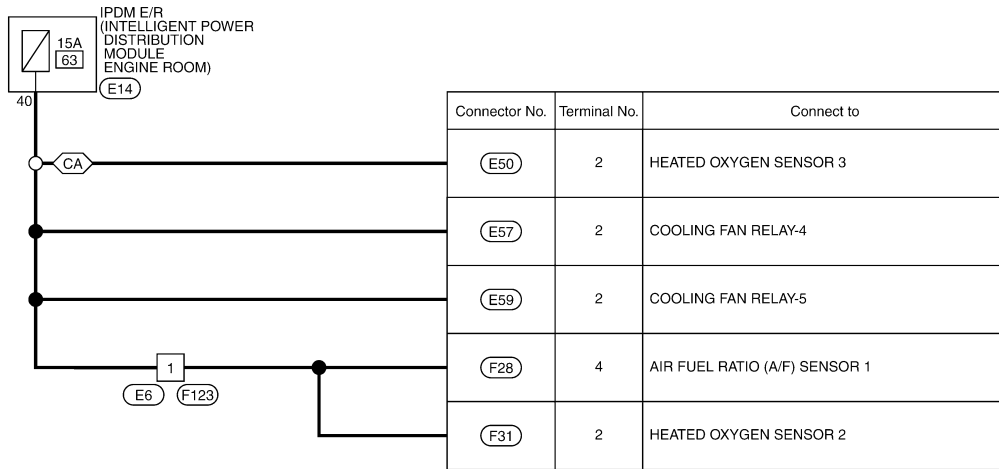
[POWER SUPPLY & GROUND CIRCUIT]

## Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 63 -

INFOID:000000006200659

### IGNITION POWER SUPPLY FUSE No. 63

CA: For California



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

2010/06/18

JCMWM9381GB

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

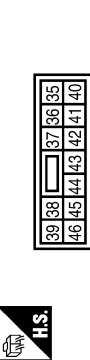
## IGNITION POWER SUPPLY FUSE No. 63

Connector No.	E6
Connector Name	WIRE TO WIRE
Connector Type	TK24MW-1V



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

Connector No.	E14
Connector Name	ENGINE LIGHT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	MS2FBR-CS



Terminal No.	Color of Wire	Signal Name [Specification]
37	R	-
38	R	-
39	GR	-

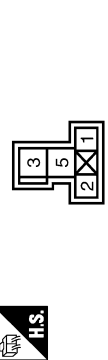
40	BR	-
41	O	-
42	L	-
43	G	-
44	Y	-
45	W	-
46	W	-

Connector No.	E50
Connector Name	HEATED OXYGEN SENSOR 3
Connector Type	AFZMFGY



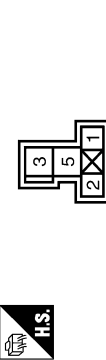
Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
2	BR	-
3	SB	-
4	V	-

Connector No.	E57
Connector Name	COOLING FAN RELAY-4
Connector Type	MS02FL-M2



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

Connector No.	E59
Connector Name	COOLING FAN RELAY-5
Connector Type	MS02FL-M2



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

Connector No.	F28
Connector Name	AIR FUEL RATIO (A/F) SENSOR 1
Connector Type	AFZ04FDGY



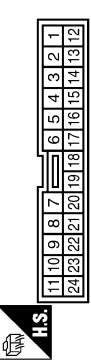
Terminal No.	Color of Wire	Signal Name [Specification]
1	V	-
2	LG	-
3	R	-
4	BR	-

Connector No.	F31
Connector Name	HEATED OXYGEN SENSOR 2
Connector Type	AFZ04FB



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

Connector No.	F23
Connector Name	WIRE TO WIRE
Connector Type	TK24FW-1V



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



# POWER SUPPLY ROUTING CIRCUIT

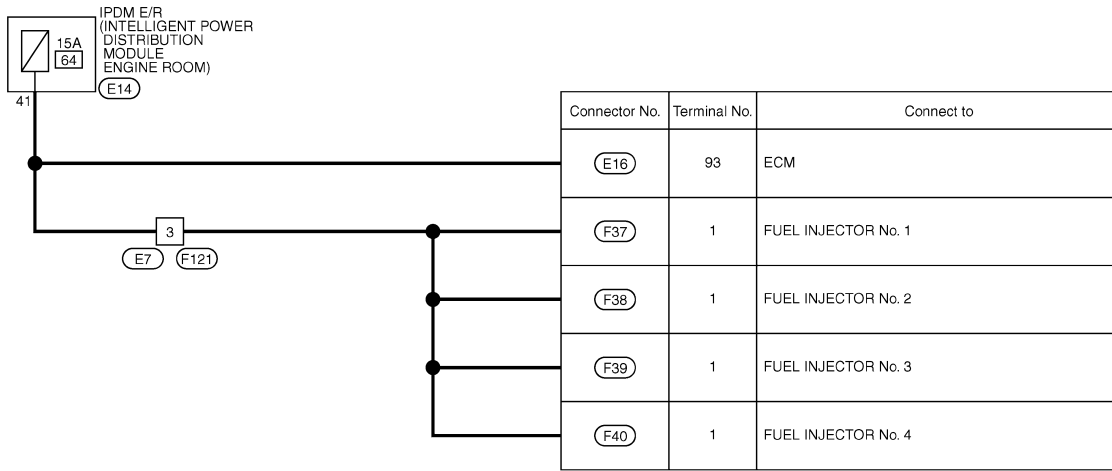
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 64 -

INFOID:000000006200660

### IGNITION POWER SUPPLY FUSE No. 64



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

PG

2008/07/15

JCMWM2924GB



# POWER SUPPLY ROUTING CIRCUIT

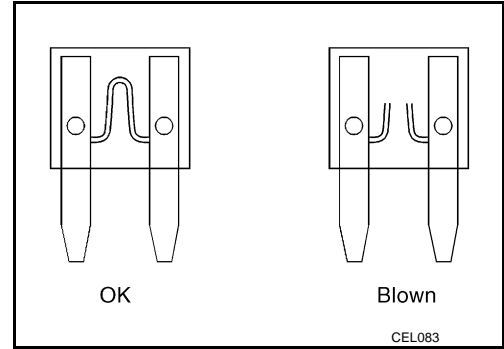
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Fuse

INFOID:000000006200661

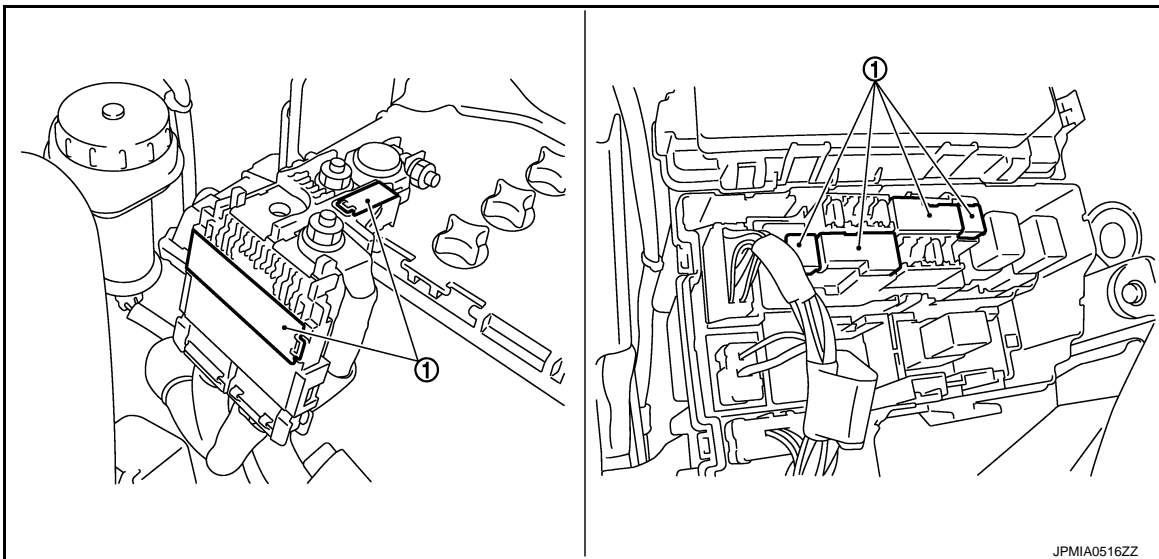
- If fuse is blown, be sure to eliminate cause of malfunction before installing new fuse.
- Use fuse of specified rating. Never use fuse of more than specified rating.
- Do not partially install fuse; always insert it into fuse holder properly.
- Remove fuse for "ELECTRICAL PARTS (BAT)" if vehicle is not used for a long period of time.



## Fusible Link

INFOID:000000006200662

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

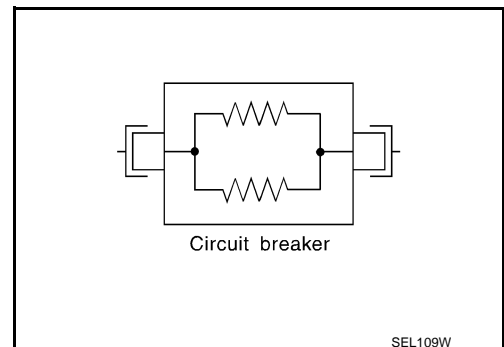
### CAUTION:

- 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:000000006200663

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.



# OPTION HARNESS

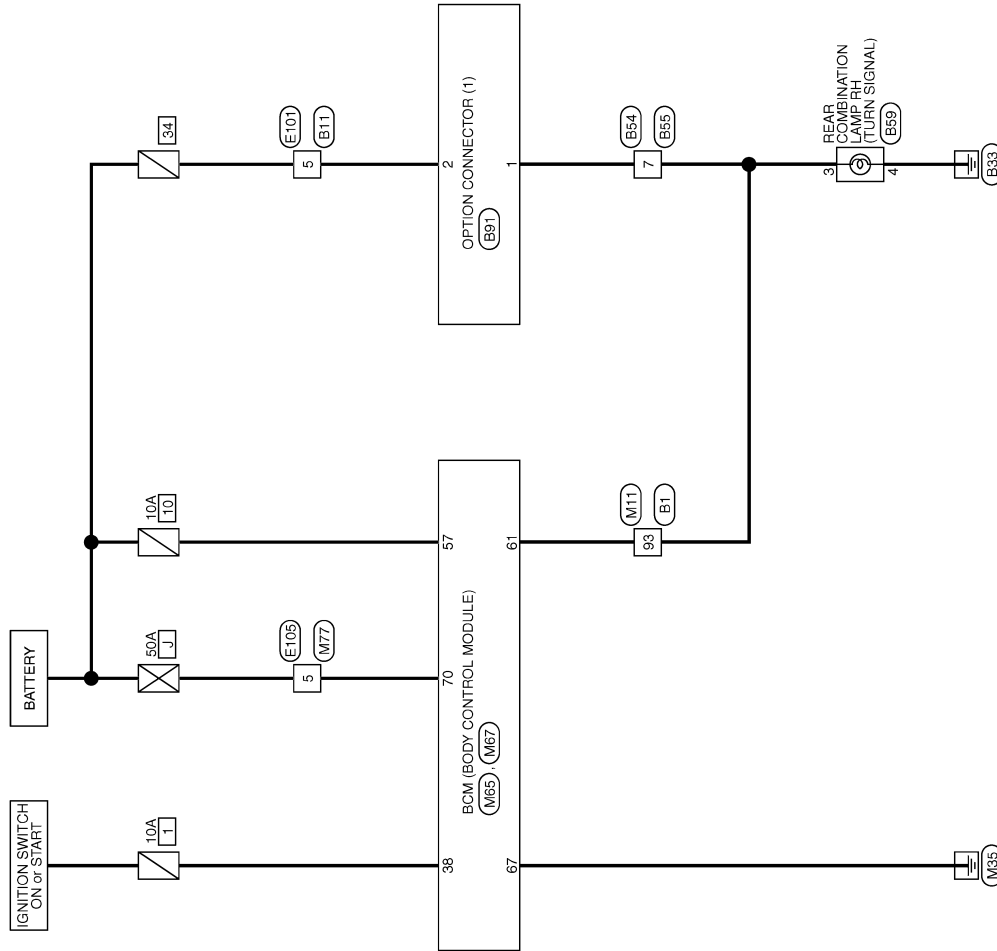
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## OPTION HARNESS

Wiring Diagram - OPTION HARNESS -

INFOID:000000006200664



OPTION HARNESS

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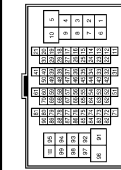
# OPTION HARNESS

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## OPTION HARNESS

Connector No.	B1
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	
2	BR	
3	G	
4	L	
6	BR	
7	Y	
8	LG	
9	BR	
10	BR	
21	R	
35	SHIELD	
36	R	
37	LG	
38	SHIELD	
39	O	
40	G	
41	R	
45	L	
46	W	
47	SHIELD	
48	W	
48	W	
50	SHIELD	
52	L	
53	L	
53	G	
54	O	
55	Y	
56	LG	
57	SB	
58	W	
59	B	
60	SB	
62	GR	
63	W	
65	SHIELD	
66	BR	
67	LG	

68	SR	
69	SHIELD	
70	W	
71	W	
72	Y	
77	L	
80	R	
81	W	
82	GR	
86	Y	
87	P	
91	GR	
92	R	
93	W	
94	G	
95	O	
96	Y	
97	SB	
98	Y	
99	Y	
100	L	

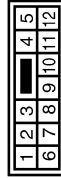
Connector No.	B11
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	
5	L	
8	R	
9	Y	
12	BR	
13	O	
22	G	
22	SB	
23	SB	
23	G	
51	GR	
52	SHIELD	
53	L	
54	B	
62	Y	

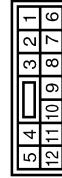
63	R	
96	G	

Connector No.	B54
Connector Name	WIRE TO WIRE
Connector Type	NS12MW-CS



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

Connector No.	B55
Connector Name	WIRE TO WIRE
Connector Type	NS12FW-CS



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

9	LG	
10	BR	
11	L	
12	V	

Connector No.	B59
Connector Name	REAR COMBINATION LAMP RH
Connector Type	NS04MW-CS



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

Connector No.	B81
Connector Name	OPTION CONNECTOR (1)
Connector Type	MO2FW-LC



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

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

JCMWM9318GB

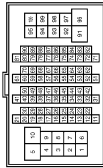
# OPTION HARNESS

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

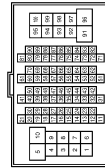
## OPTION HARNESS

Connector No.	E101
Connector Name	WIRE TO WIRE
Connector Type	TH80PW-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	
2		
3		
4		
5	L	
6	R	
7	Y	
8		
9		
10		
11		
12	BR	
13	O	
14		
15	G	
16	SB	
17		
18		
19		
20		
21		
22		
23	SB	
24	GR	
25		
26		
27		
28		
29		
30		
31	BR	
32		
33		
34		
35		
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51	GR	
52	SHIELD	
53	L	
54	B	
55		
56		
57		
58		
59		
60		
61		
62		
63	R	
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	O	

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



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

8	GR	
9	BR	
10	L	
11	GR	
12	P	
13		
14	L	
15	V	
16		
17		
18		
19	R	
20	P	
21	L	
22	L	
23		
24	LG	
25	SB	
26		
27		
28		
29		
30	L	
31	BR	
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	BR	
62	R	
63	P	
64		
65		
66		
67		
68		
69		
70	B	
71	O	
72	LG	
73	L	
74		
75		
76		
77		
78		
79	V	
80	Y	
81	W	
82	R	
83	L	
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100	L	

Connector No.	M11
Connector Name	WIRE TO WIRE
Connector Type	TH80PW-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	
2	BR	
3	G	
4	LG	
5		
6	P	
7	Y	
8	LG	
9	P	
10	Y	
11	R	
12		
13		
14		
15		
16		
17		
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19		
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69	SHIELD	
70	LG	
71	O	
72	BR	
73		
74		
75		
76		
77	L	
78	R	
79	W	
80		
81		
82	GR	
83		
84		
85		
86	Y	
87	P	
88		
89		
90		
91	L	
92	B	
93	GR	
94	G	
95	O	
96	P	
97	SB	
98	GR	
99	R	
100	L	

# OPTION HARNESS

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## OPTION HARNESS

Connector No.	M65
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH407N-NH



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	KEY RING OUTPUT
2	G	INPUT 5
3	Y	INPUT 4
4	W	INPUT 3
5	R	INPUT 2
6	P	INPUT 1
7	L	KEY CTC UNLOCK
8	R	KEY CTL LOCK SW
9	R	BRAKE SW
10	SB	RR DEF SW
11	SB	ACC
12	P	DR SW AS
13	LG	DR SW RR
14	G	AUTO LIGHT SENS INPUT
17	W	SENS POWER SUPPLY
18	O	KEYLESS TUNER SENS GND
19	V	KEYLESS TUNER POWER
20	GR	KEYLESS TUNER SIGNAL
21	G	IMMOBIL ANT (GLOCK)
23	B	SECURITY IND OUT PUT
25	BR	IMMOBIL ANT (RX TX)
27	V	AIRCON SW
28	LG	BLOWER FAN SW
29	W	HAZARD SW
30	G	BACK DOOR OPEN SW
32	BR	OUTPUT 5
33	GR	OUTPUT 4
34	L	OUTPUT 3
35	B	OUTPUT 2
36	V	OUTPUT 1
37	LG	KEY SW
38	G	IGN
39	L	CAN-H
40	P	CAN-L

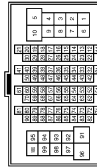
Connector No.	M67
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	FEA08FB-FHA6-SA



56	57	58	59	60	61	62	63	64
----	----	----	----	----	----	----	----	----

Terminal No.	Color of Wire	Signal Name [Specification]
56	Y	BATTERY SAVER OUTPUT
57	G	BAT FUSE
59	L	D/L UNLOCK DR
60	BR	FLASHER OUT PUT (LEFT)
61	GR	FLASHER OUT PUT (RIGHT)
63	R	ROOM LAMP OUTPUT
65	V	D/L LOCK ALL
66	G	D/L UNLOCK OTHER
67	B	GND
68	L	POWER MDW OUTPUT (RAP)
69	P	POWER MDW OUTPUT (BAT)
70	Y	BAT FL

Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	TH80MM-CS16-TM4



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

11	GR	
12	P	
14	SB	
15	V	
19	R	
20	P	
21	O	
22	L	
24	BR	
25	W	
30	L	
31	W	
42	O	
43	SHIELD	
51	W	
52	SB	
53	L	
54	Y	
60	O	
61	BR	
62	G	
63	P	
69	W	
70	B	
71	P	
72	O	
78	SB	
79	V	
80	L	
81	W	
82	B	
83	LG	
88	BR	
89	G	
90	GR	
91	R	
92	L	
93	P	
94	W	
96	BR	
97	G	
99	SB	
100	Y	

JCMWM9320GB

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L  
PG  
N  
O  
P

# HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

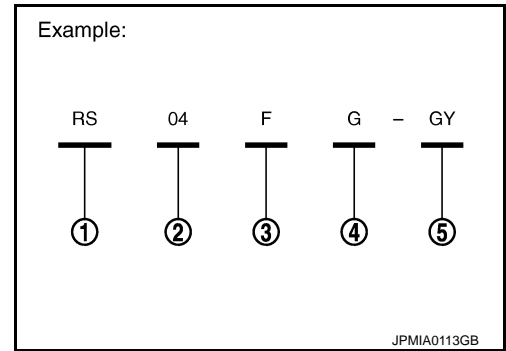
[POWER SUPPLY & GROUND CIRCUIT]

## HARNESS LAYOUT

### How To Read Harness Layout






INFOID:000000006200665

- 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



# HARNESSES LAYOUT

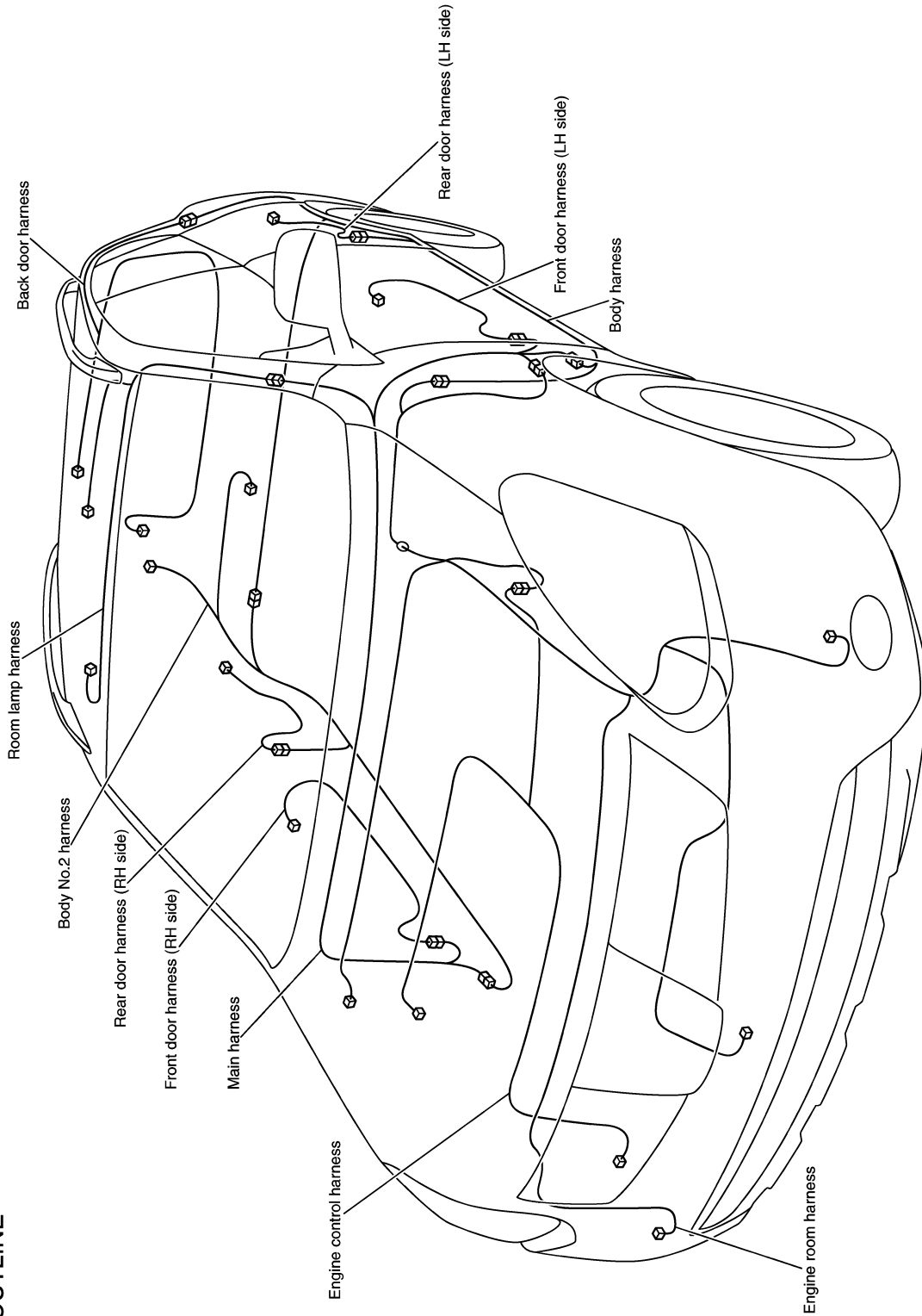
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Outline

INFOID:000000006200666

OUTLINE



2008/07/15

JCMIM0521GB

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



# HARNES LAYOUT

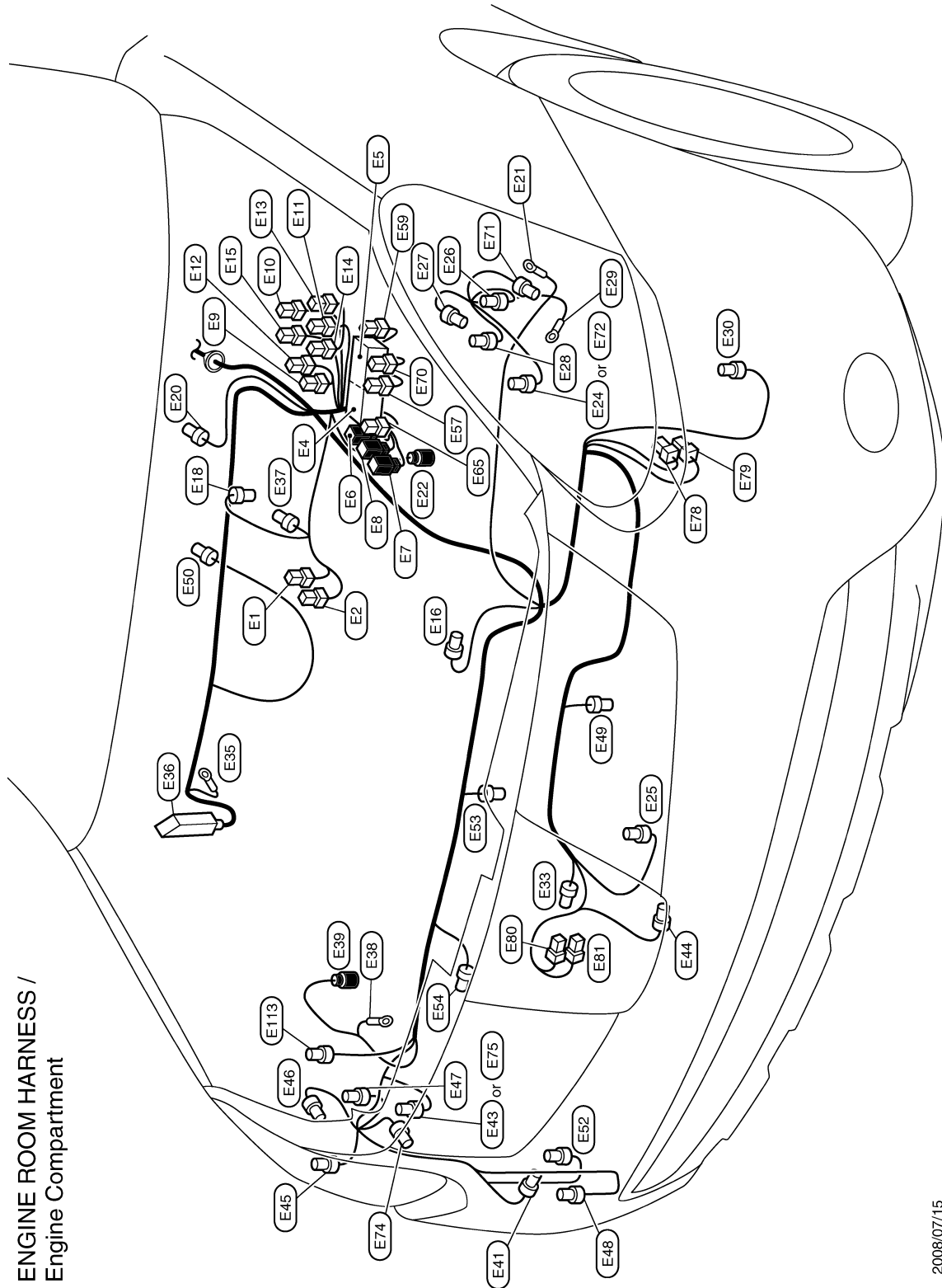
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Engine Room Harness

INFOID:000000006200668

### ENGINE COMPARTMENT



ENGINE ROOM HARNESS /  
Engine Compartment

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

2008/07/15

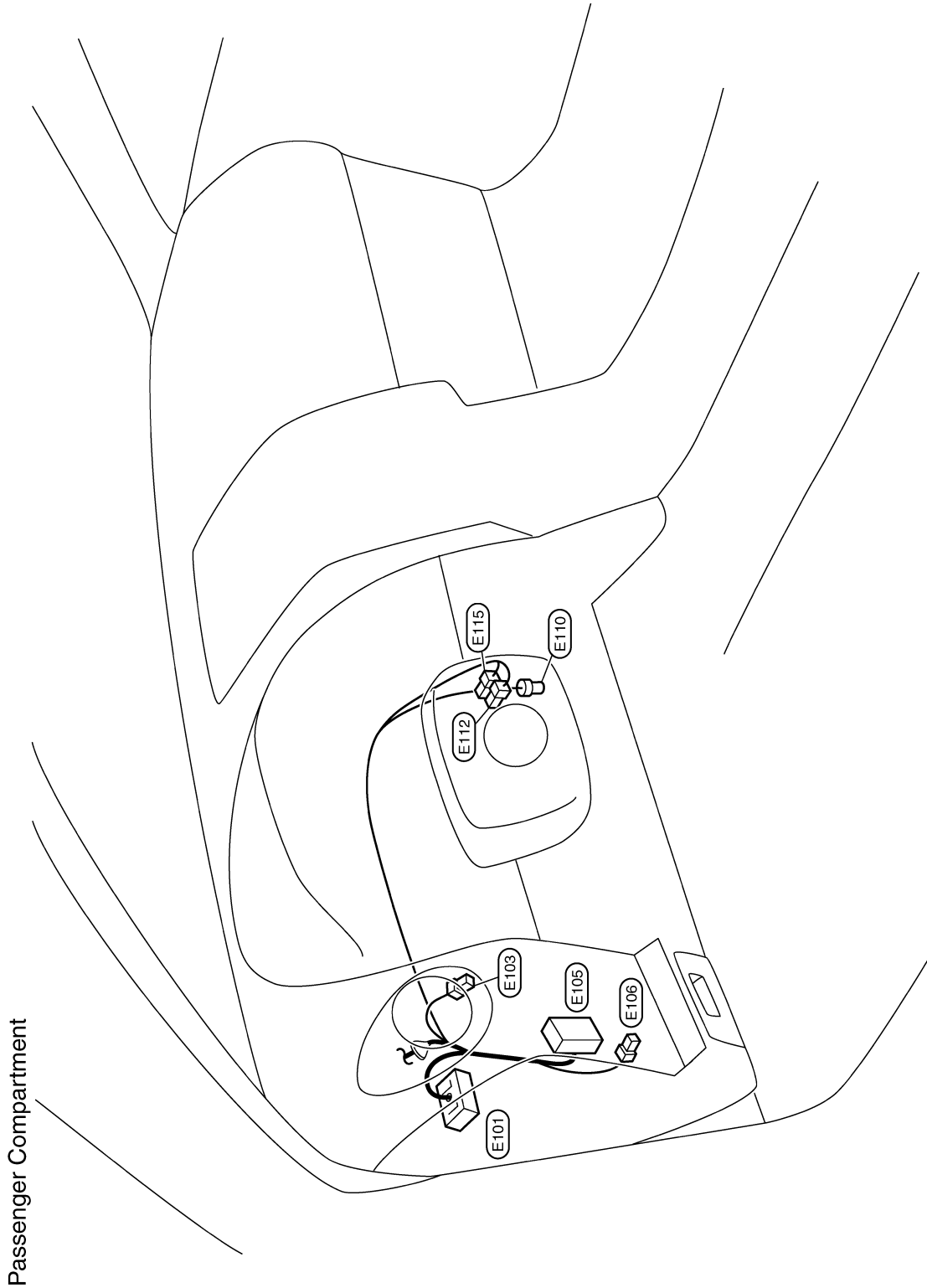
JCMIM0523GB

# HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

PASSENGER COMPARTMENT



2008/07/15

JCMIM0524GB

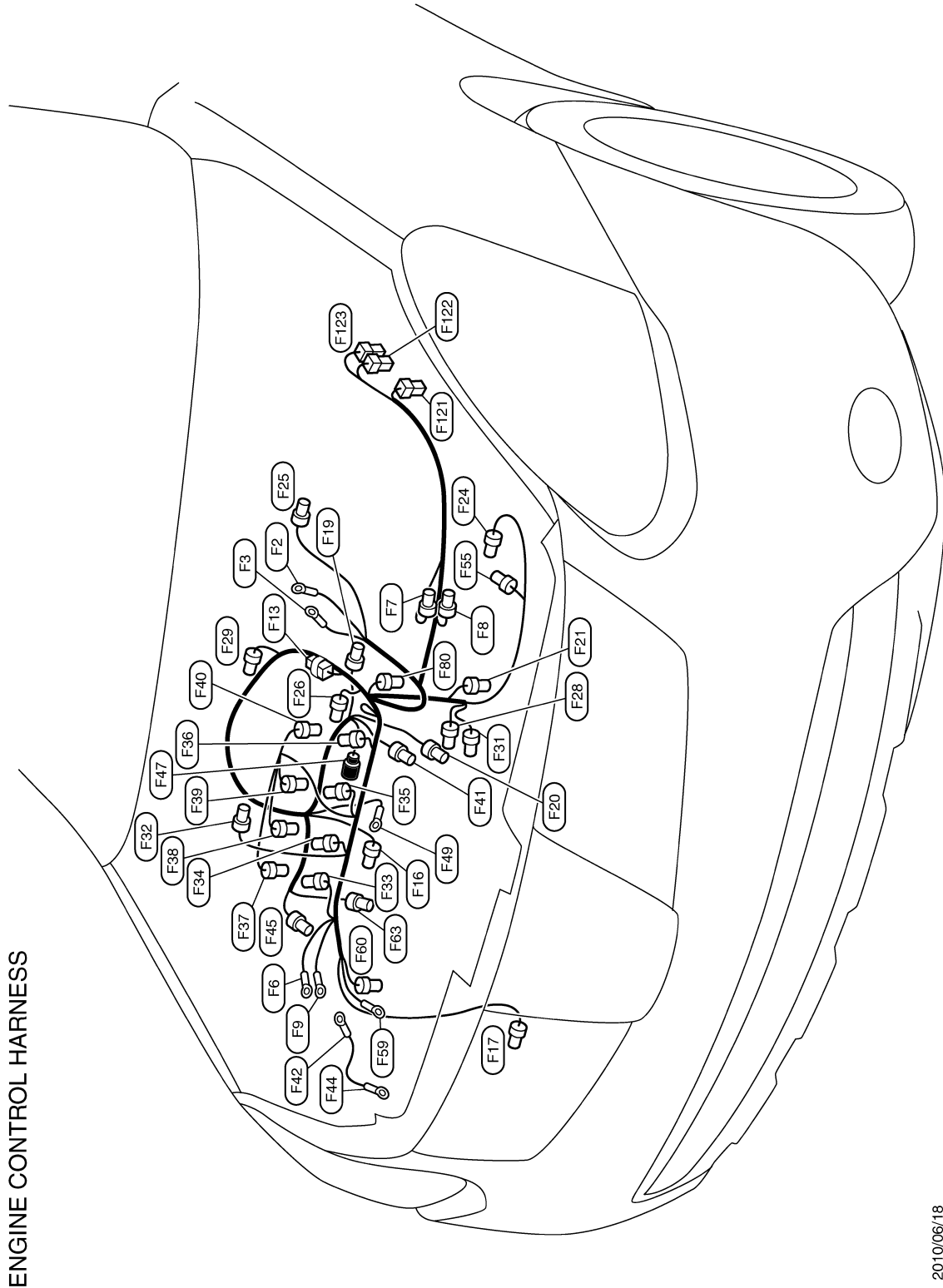
# HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Engine Control Harness

INFOID:000000006200669



ENGINE CONTROL HARNESS

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

PG

2010/06/18

JCMIM1578GB



# HARNES LAYOUT

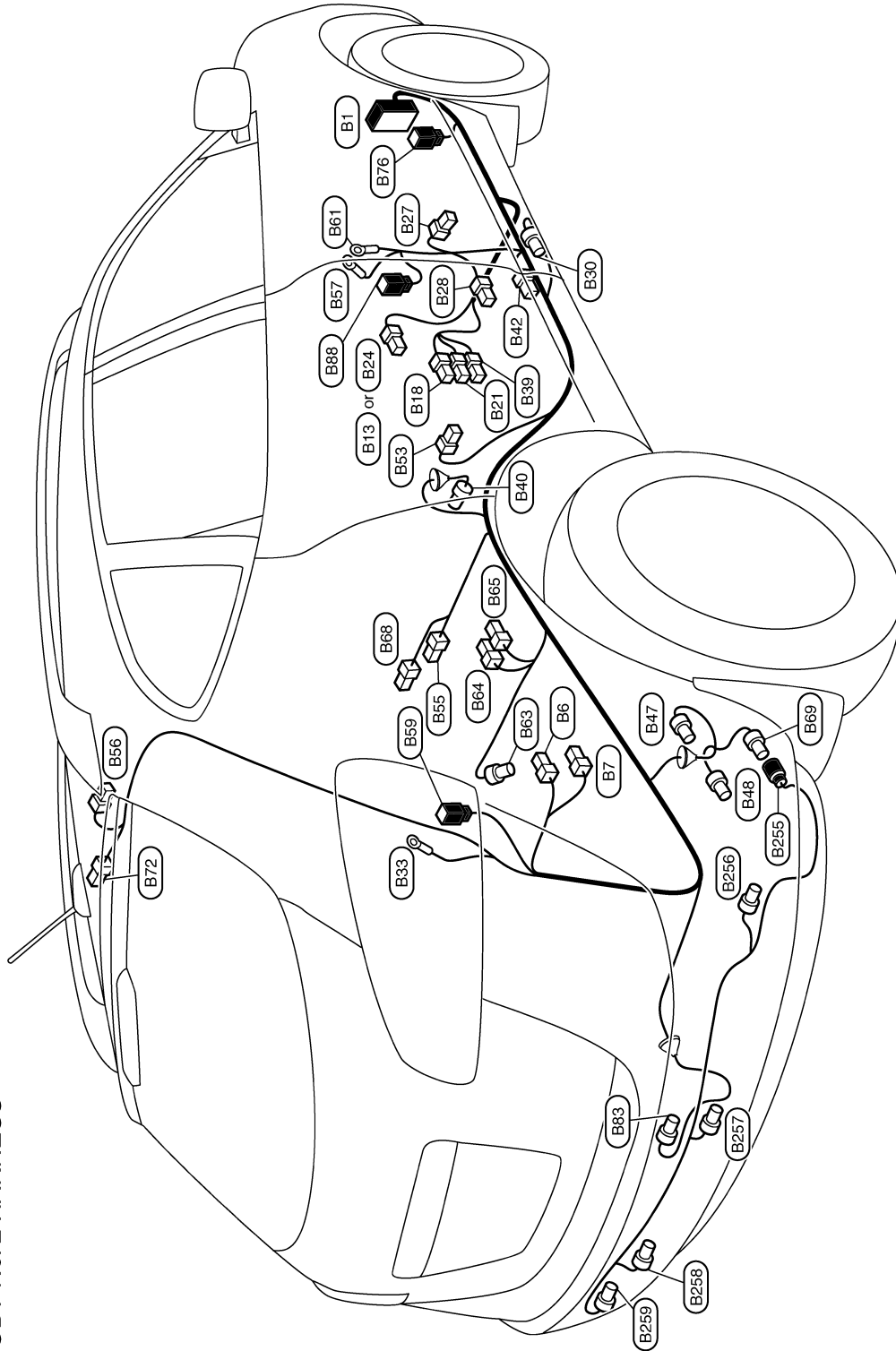
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Body No. 2 Harness

INFOID:000000006200671

BODY No. 2 HARNESS



A  
B  
C  
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K  
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PG  
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P

2010/06/18

JCMIM1580GB

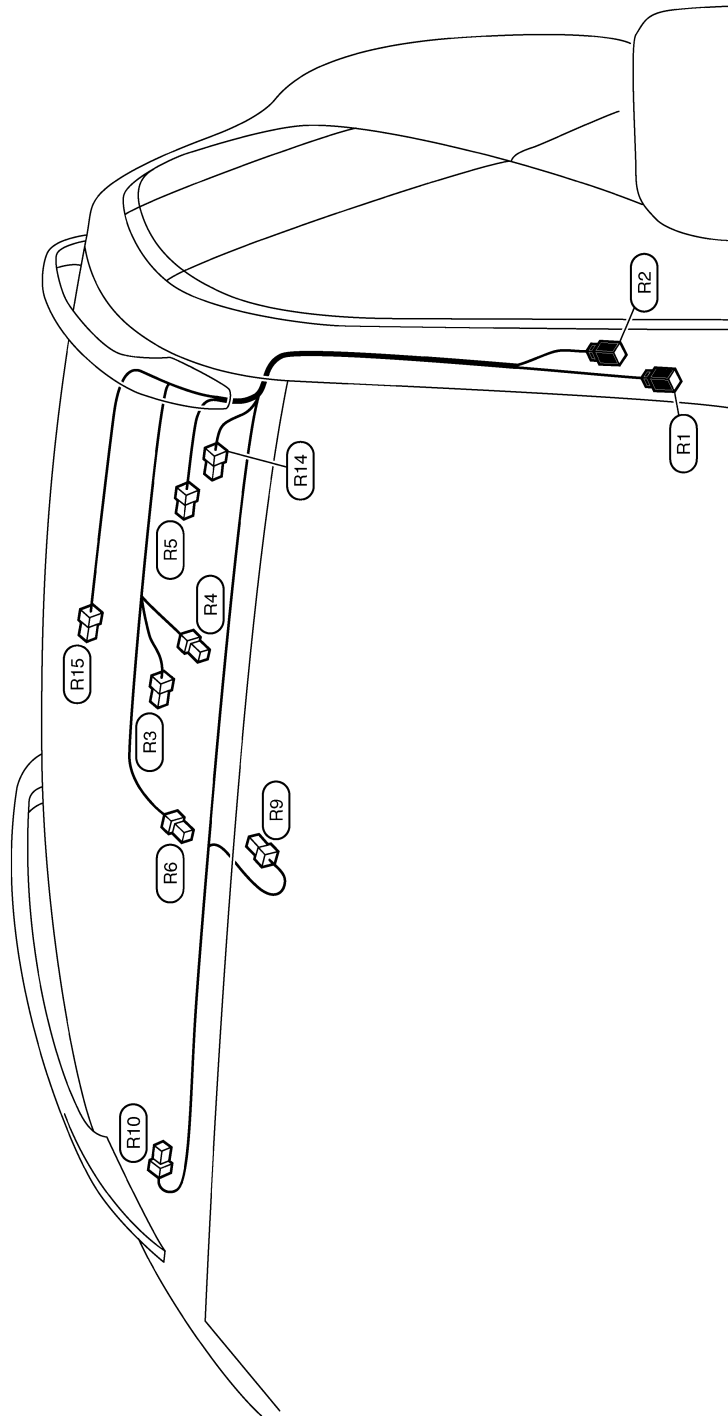
# HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Room Lamp Harness

INFOID:000000006200672



ROOM LAMP HARNESS

2008/07/15

JCMIM0528GB



# HARNES LAYOUT

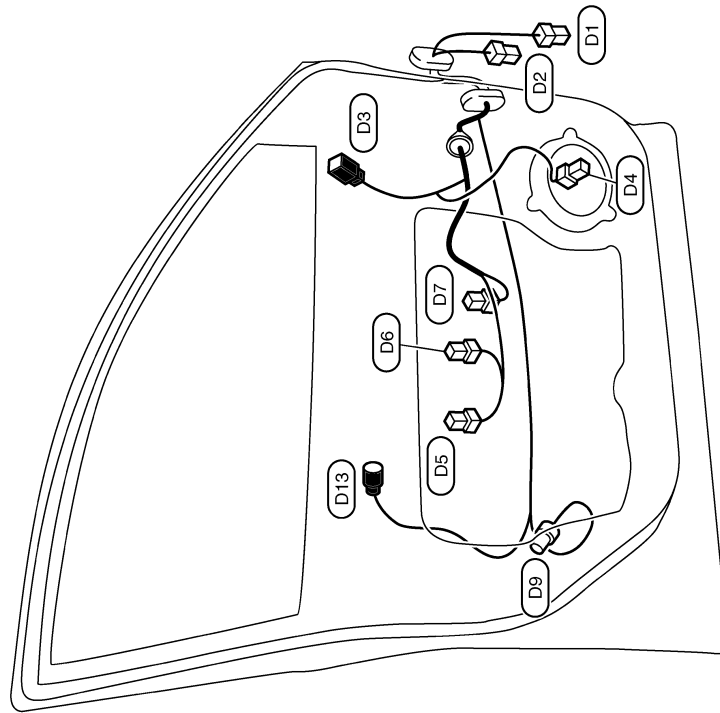
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Front Door Harness (LH Side)

INFOID:000000006200673

FRONT DOOR HARNESS (LH SIDE)



A  
B  
C  
D  
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J  
K  
L  
PG  
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P

2008/07/15

JCMIM0529GB

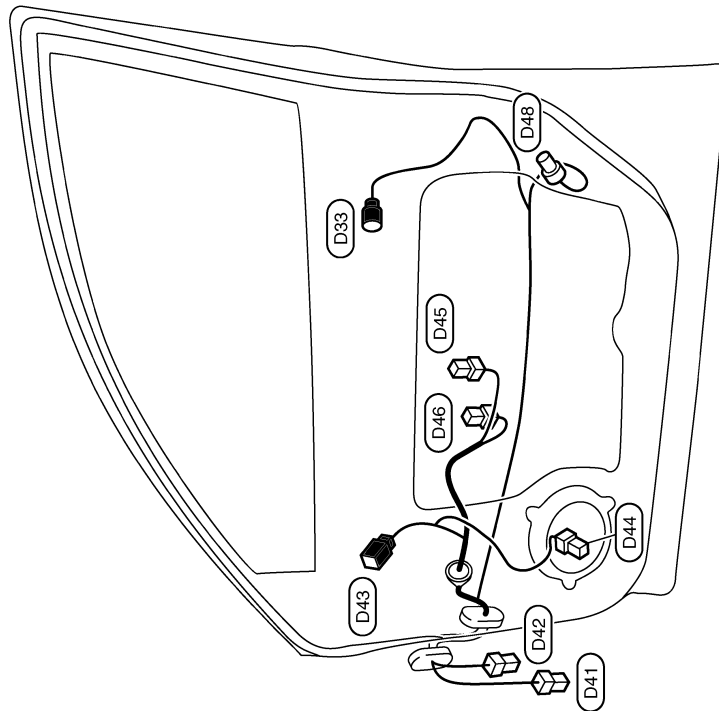
# HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Front Door Harness (RH Side)

INFOID:000000006200674



FRONT DOOR HARNESS (RH SIDE)

2008/07/15

JCMIM0530GB

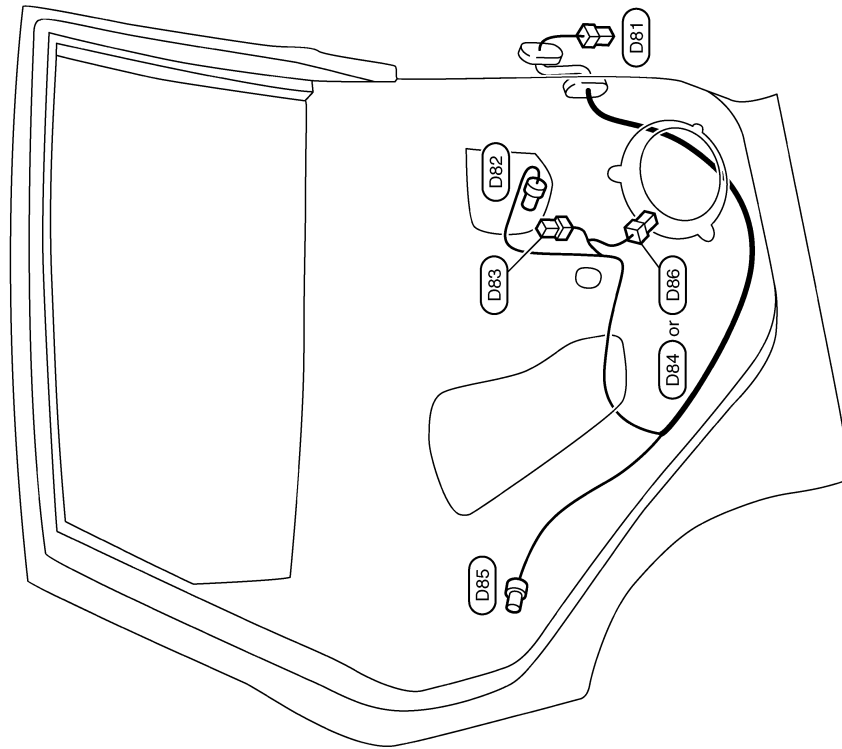
# HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Rear Door Harness (LH Side)

INFOID:000000006200675



REAR DOOR HARNESS (LH SIDE)

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

2008/07/15

JCMIM0531GB

# HARNESS LAYOUT

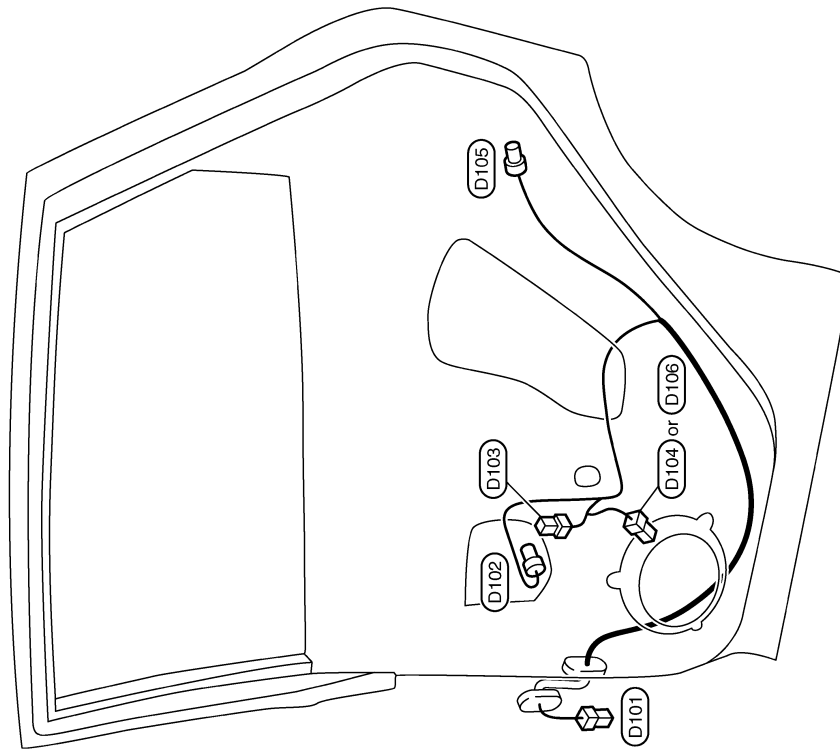
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Rear Door Harness (RH Side)

INFOID:000000006200676

REAR DOOR HARNESS (RH SIDE)



2008/07/15

JCMIM0532GB

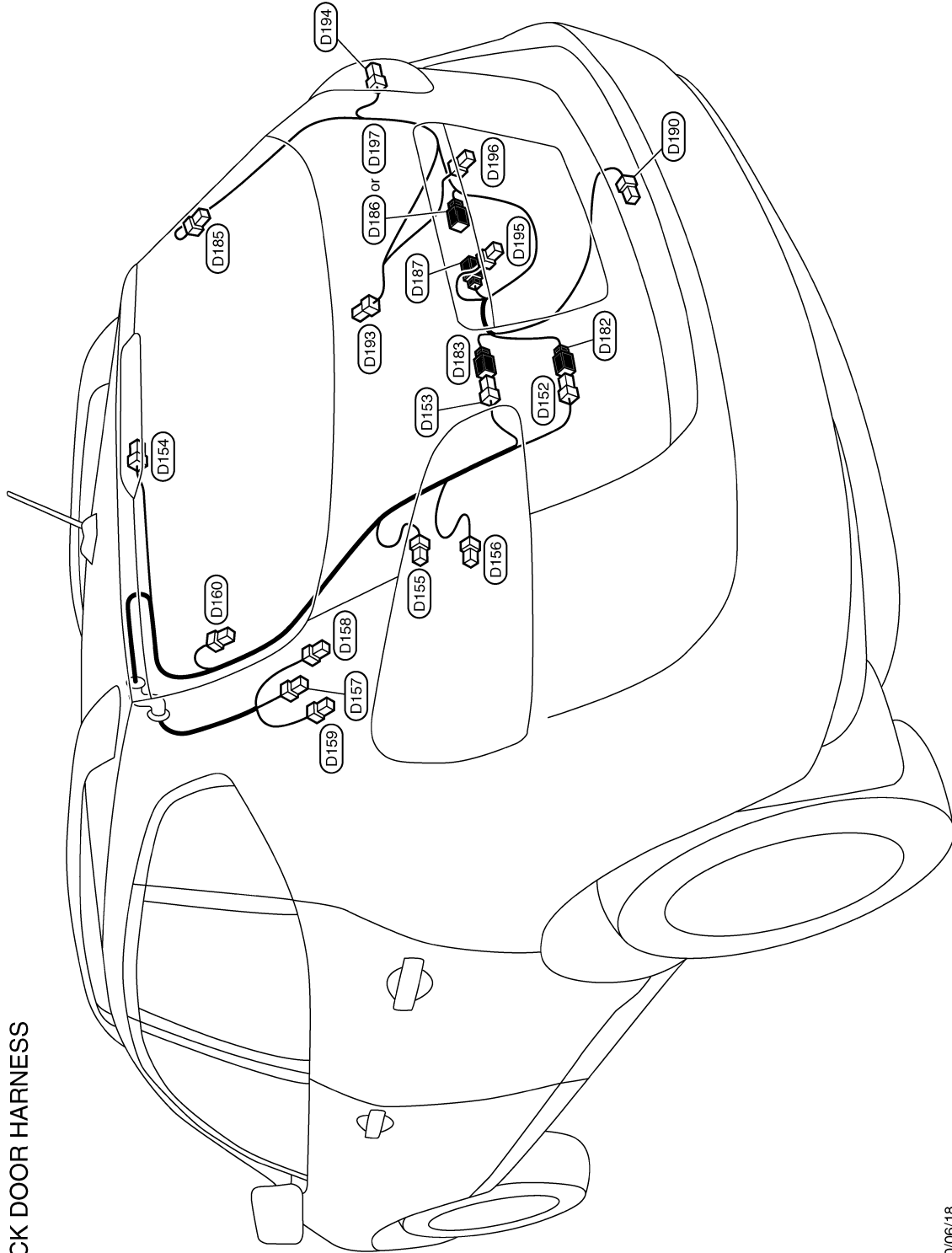
# HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Back Door Harness

INFOID:000000006200677



BACK DOOR HARNESS

A  
B  
C  
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P

2010/06/18

JCMIM1581GB

# HARNESS CONNECTOR

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## HARNESS CONNECTOR

### Description

INFOID:000000006200678

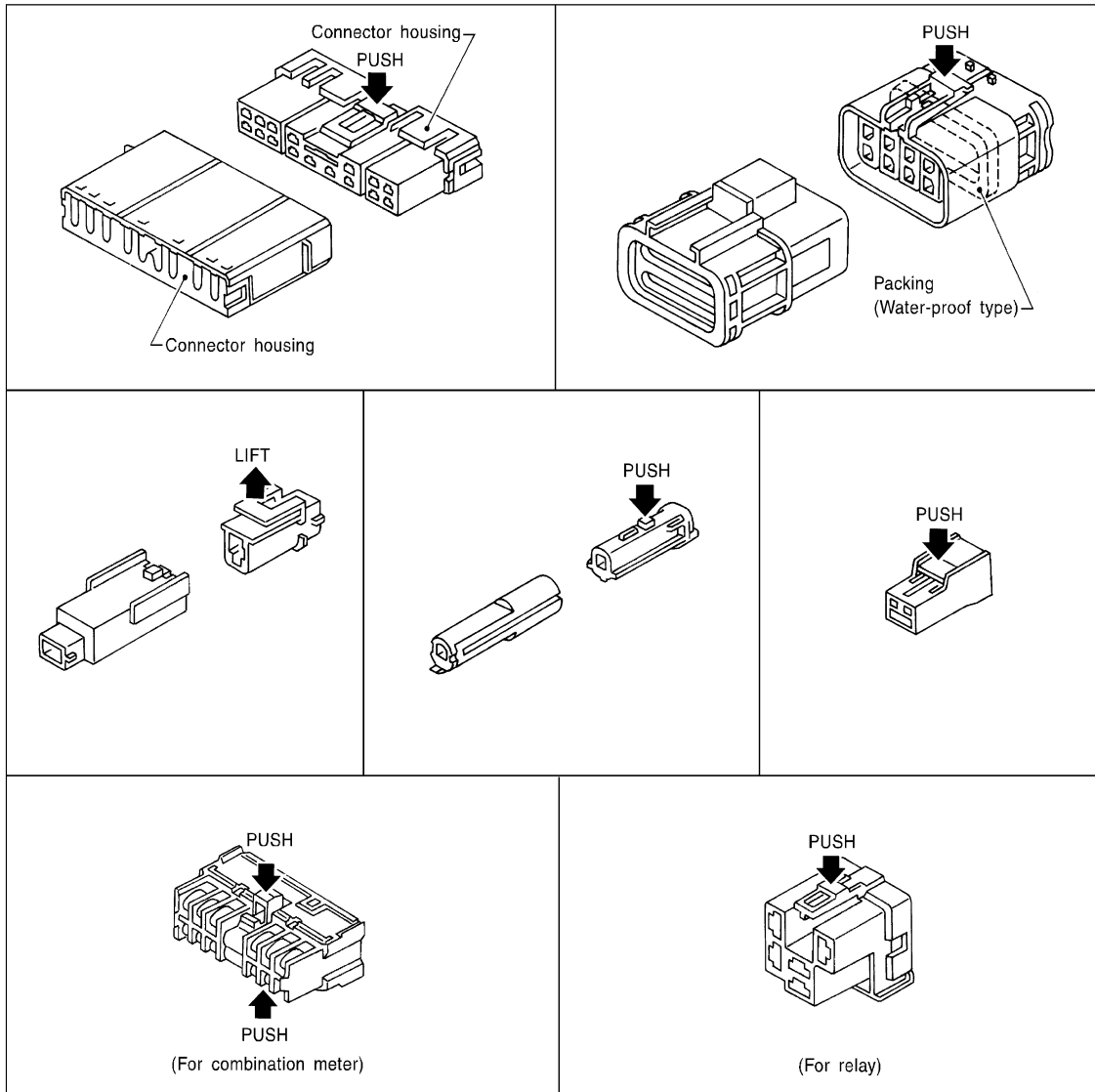
#### HARNESS CONNECTOR (TAB-LOCKING TYPE)

- The tab-locking type connectors help prevent accidental looseness or disconnection.
- The tab-locking type connectors are disconnected by pushing or lifting the locking tab(s). Refer to the figure below.

#### **CAUTION:**

**Never pull the harness or wires when disconnecting the connector.**

[Example]



SEL769DA

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

- A new style slide-locking type connector is used on certain systems and components, especially those related to OBD.
- The slide-locking type connectors help prevent incomplete locking and accidental looseness or disconnection.
- The slide-locking type connectors are disconnected by pushing or pulling the slider. Refer to the figure below.

# HARNESS CONNECTOR

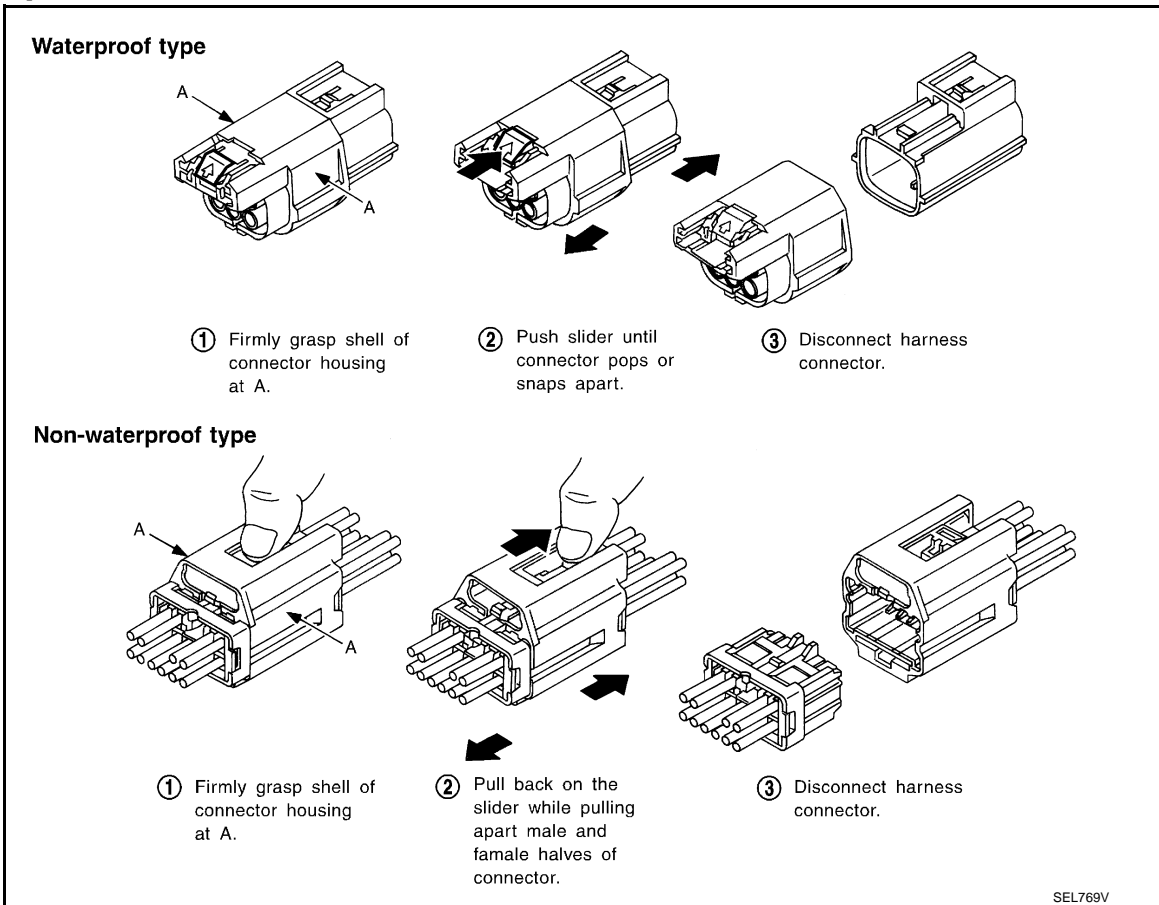
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

**CAUTION:**

- Never pull the harness or wires when disconnecting the connector.
- Be careful not to damage the connector support bracket when disconnecting the connector.

[Example]



## HARNESS CONNECTOR (LEVER LOCKING TYPE)

- Lever locking type harness connectors are used on certain control units and control modules such as ECM, ABS actuator and electric unit (control unit), etc.
- Lever locking type harness connectors are also used on super multiple junction (SMJ) connectors.
- Always confirm the lever is fully locked in place by moving the lever as far as it will go to ensure full connection.

**CAUTION:**

A  
B  
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# STANDARDIZED RELAY

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

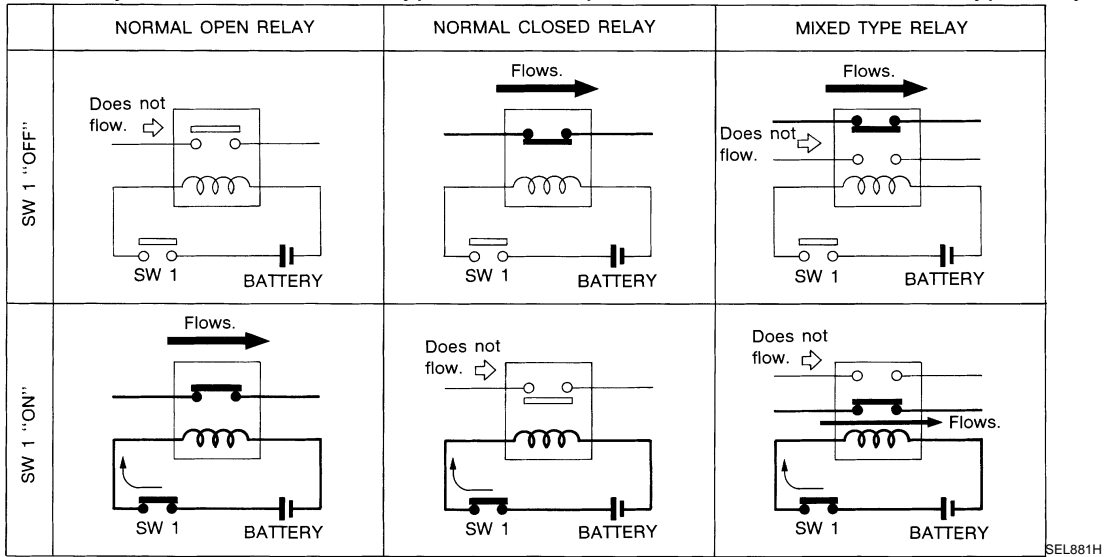
## STANDARDIZED RELAY

### Description

INFOID:000000006200679

### 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

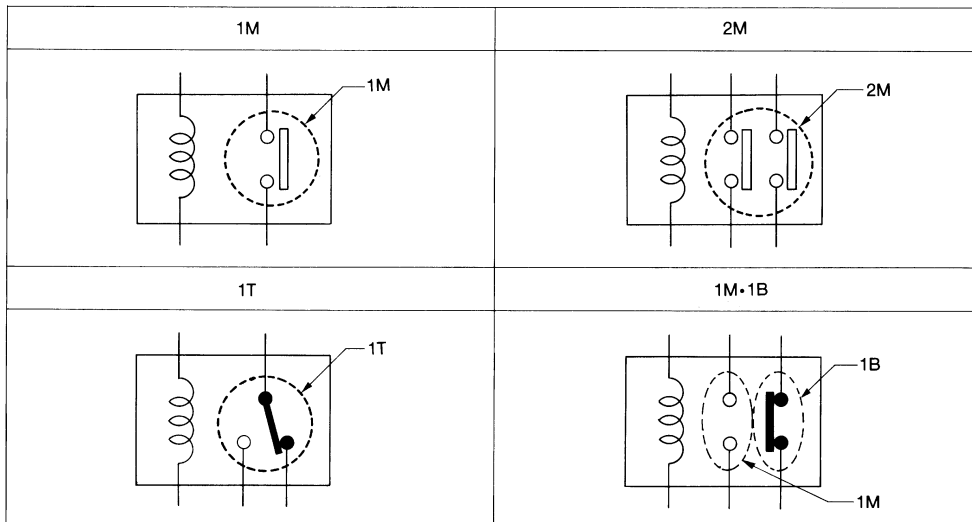
### TYPE OF STANDARDIZED RELAYS

1M ..... 1 Make

2M ..... 2 Make

1T ..... 1 Transfer

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

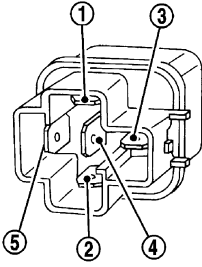
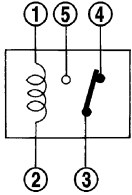
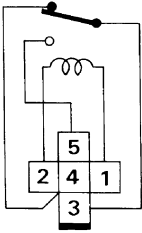
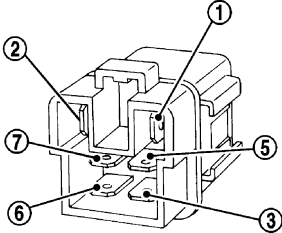
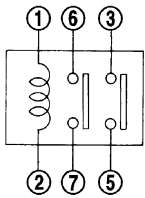
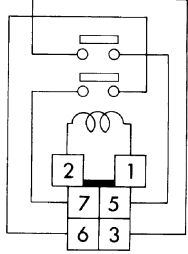
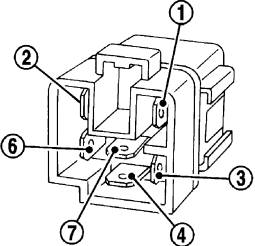
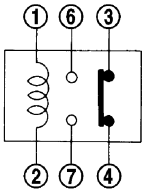
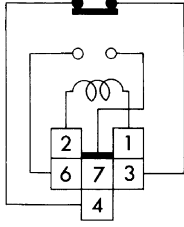
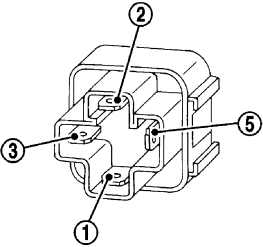
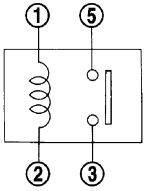
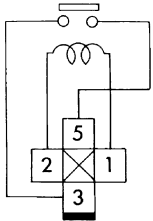
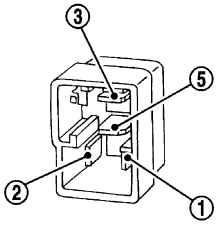
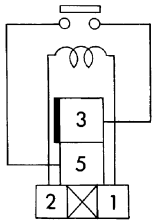


SEL882H

# 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

# FUSE BLOCK - JUNCTION BOX (J/B)

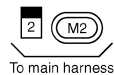
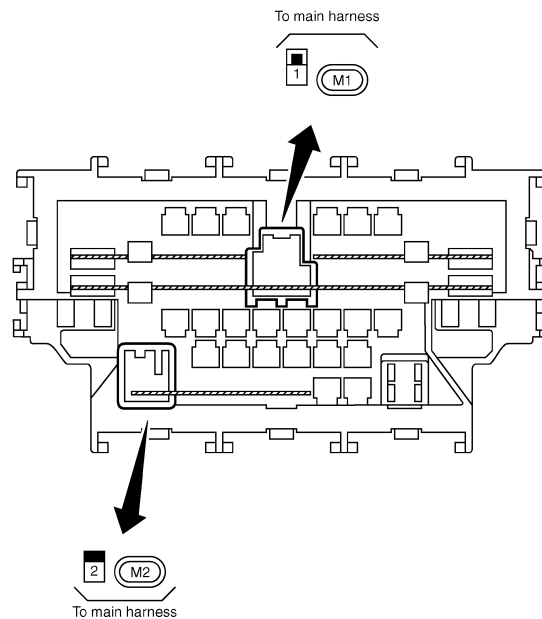
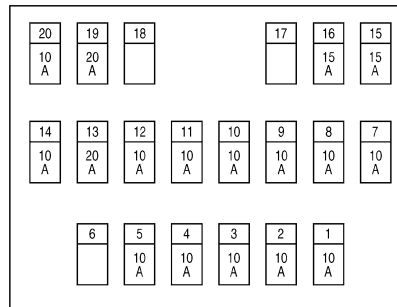
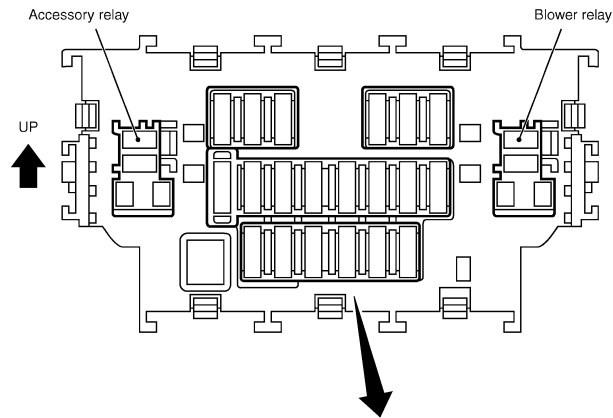
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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

### Fuse, Connector and Terminal Arrangement

INFOID:000000006200680



2009/10/02

JCMWA5136GB

A  
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# FUSE, FUSIBLE LINK AND RELAY BOX

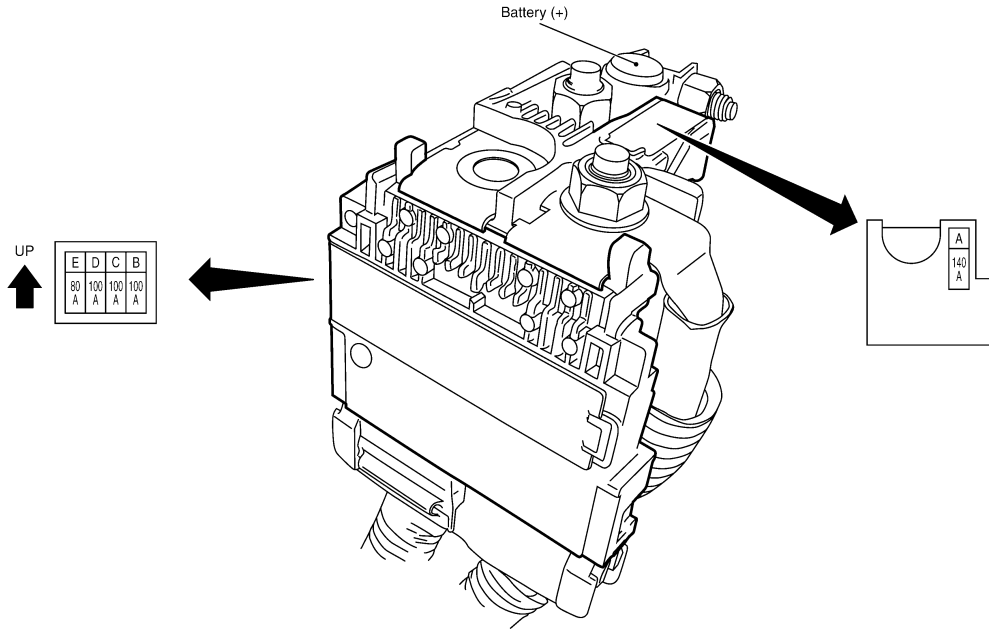
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[POWER SUPPLY & GROUND CIRCUIT]

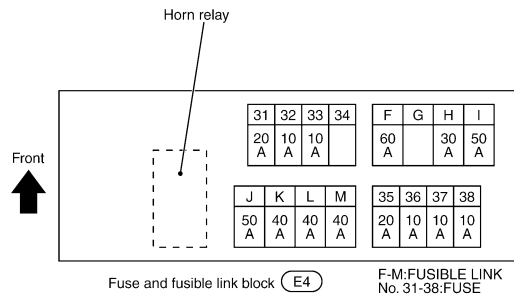
## FUSE, FUSIBLE LINK AND RELAY BOX

### Fuse and Fusible Link Arrangement

INFOID:000000006200681



Fusible link holder (E1), (E2), (F2), (F3)



Fuse and fusible link block (E4) F-M:FUSIBLE LINK No. 31-38:FUSE

2010/06/18

JCMWM9384GB

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

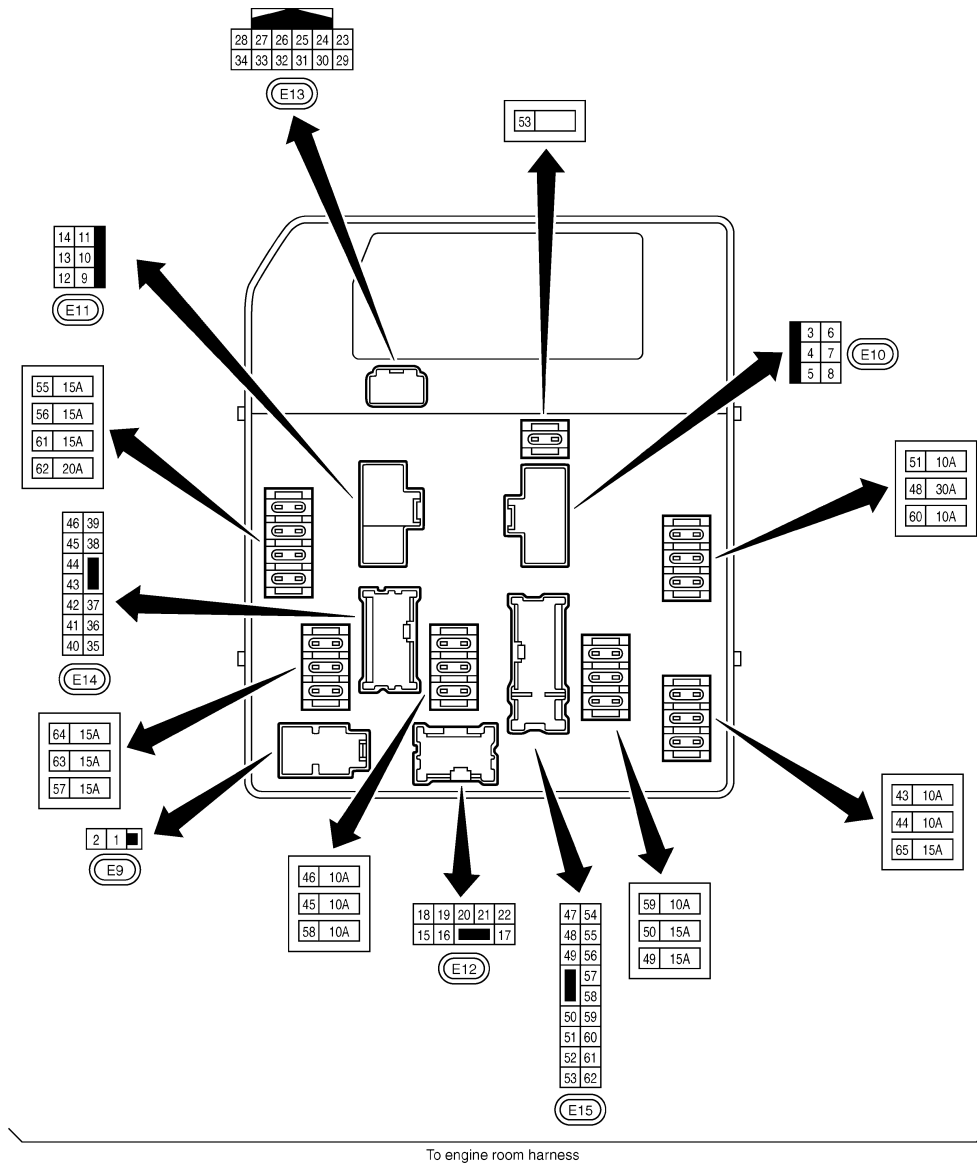
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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

### Fuse, Connector and Terminal Arrangement

INFOID:000000006200682



2010/03/05

JCMWA5744GB

&lt; PRECAUTION &gt;

**PRECAUTION****PRECAUTIONS****FOR USA AND CANADA**

**FOR USA AND CANADA : Precaution for Supplemental Restraint System (SRS) "AIR BAG" and "SEAT BELT PRE-TENSIONER"**

INFOID:000000006200683

The Supplemental Restraint System such as "AIR BAG" and "SEAT BELT PRE-TENSIONER", used along with a front seat belt, helps to reduce the risk or severity of injury to the driver and front passenger for certain types of collision. This system includes seat belt switch inputs and dual stage front air bag modules. The SRS system uses the seat belt switches to determine the front air bag deployment, and may only deploy one front air bag, depending on the severity of a collision and whether the front occupants are belted or unbelted.

Information necessary to service the system safely is included in the "SRS AIR BAG" and "SEAT BELT" of this Service Manual.

**WARNING:**

- **To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision 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:**

- **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.**

**FOR MEXICO**

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

INFOID:000000006200684

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. Information necessary to service the system safely is included in the "SRS AIR BAG" and "SEAT BELT" of this Service Manual.

**WARNING:**

- **To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision which would result in air bag inflation, all maintenance must be performed by an authorized NISSAN/INFINITI dealer.**
- **Improper maintenance, including incorrect removal and installation of the SRS, can lead to personal injury caused by unintentional activation of the system. For removal of Spiral Cable and Air Bag Module, see "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:**

- **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**

# PRECAUTIONS

< PRECAUTION >

[POWER SUPPLY & GROUND CIRCUIT]

- 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]

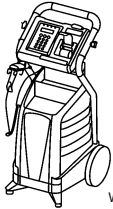
< PREPARATION >

## PREPARATION

### PREPARATION

#### Special Service Tools

INFOID:000000006200685

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]

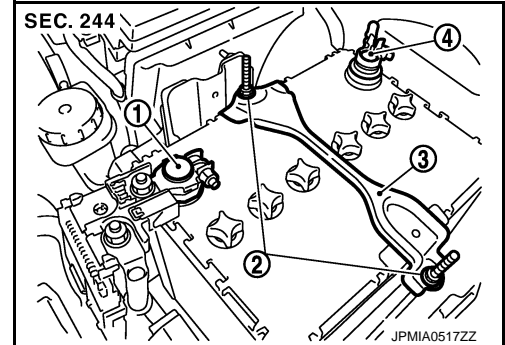
## REMOVAL AND INSTALLATION

### BATTERY

#### Exploded View

INFOID:000000006200686

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



#### Removal and Installation

INFOID:000000006200687

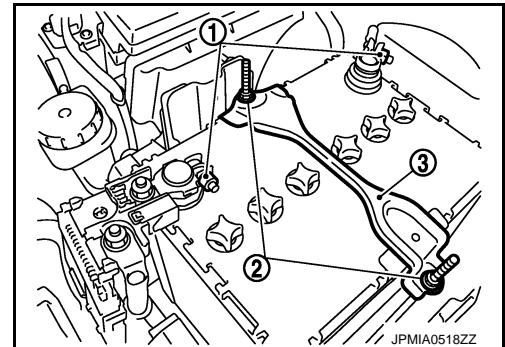
##### REMOVAL

1. Remove cover of battery positive terminal.
2. 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.**

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



##### INSTALLATION

Install in the reverse order of removal.

**CAUTION:**

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

**Battery fix frame mounting nut**

: 5.4 N·m (0.55 kg·m, 48 in·lb)

**Battery terminal nut**

: 5.4 N·m (0.55 kg·m, 48 in·lb)

Reset electronic systems as necessary. Refer to [GI-59, "ADDITIONAL SERVICE WHEN REMOVING BATTERY NEGATIVE TERMINAL : Required Procedure After Battery Disconnection"](#).

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# BATTERY TERMINAL WITH FUSIBLE LINK

< REMOVAL AND INSTALLATION >

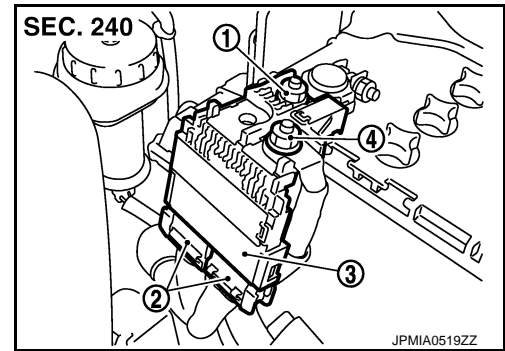
[POWER SUPPLY & GROUND CIRCUIT]

## BATTERY TERMINAL WITH FUSIBLE LINK

### Exploded View

INFOID:000000006200688

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

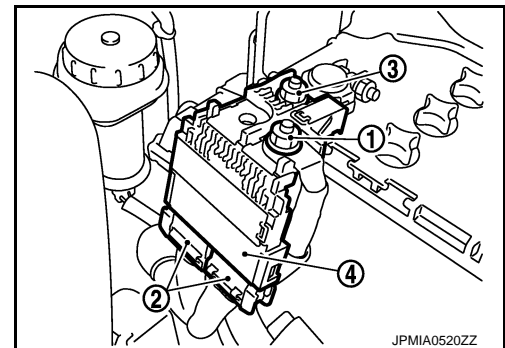


### Removal and Installation

INFOID:000000006200689

#### REMOVAL

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



#### INSTALLATION

Install in the reverse order of removal.

#### Harness mounting nut

: 13.2 N·m (1.3 kg-m, 10 ft-lb)

#### Fusible link holder mounting nut

: 13.2 N·m (1.3 kg-m, 10 ft-lb)

# SERVICE DATA AND SPECIFICATIONS (SDS)

< SERVICE DATA AND SPECIFICATIONS (SDS)

[POWER SUPPLY & GROUND CIRCUIT]

## SERVICE DATA AND SPECIFICATIONS (SDS)

SERVICE DATA AND SPECIFICATIONS (SDS)

Battery

INFOID:0000000006200690

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

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