

SECTION **PG**

**POWER SUPPLY, GROUND & CIRCUIT ELEMENTS**

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# BATTERY

< BASIC INSPECTION >

[POWER SUPPLY&GROUND CIRCUIT]

## BASIC INSPECTION

### BATTERY

#### How to Handle Battery

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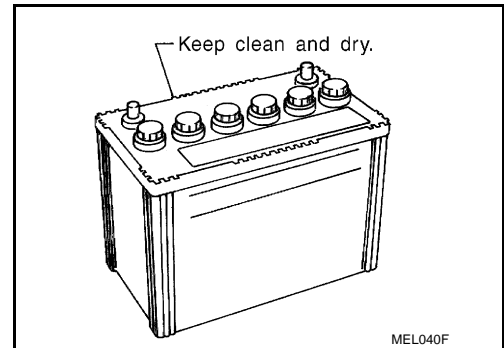
#### CAUTION:

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

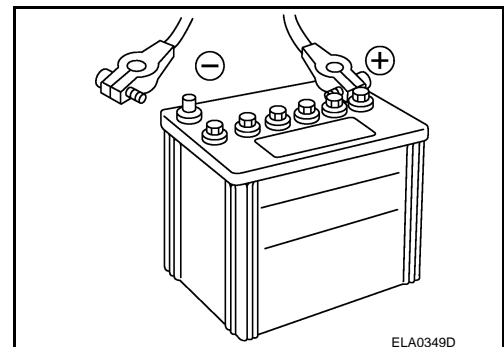
#### METHODS OF PREVENTING OVER-DISCHARGE

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

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



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



#### Work Flow

INFOID:000000010838442

#### BATTERY DIAGNOSIS WITH EXP-800 NI OR GR8-1200 NI

To diagnose and confirm the condition of the battery, use the following special service tools:

- EXP-800 NI Battery and electrical diagnostic analyzer
- GR8-1200 NI Multitasking battery and electrical diagnostic station

#### NOTE:

Refer to the applicable instruction manual for proper battery diagnosis procedures.

#### BATTERY DIAGNOSIS WITHOUT EXP-800 NI OR GR8-1200 NI

#### Check 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. Failure to do this may cause personal injury or damage to clothing or the painted surfaces.

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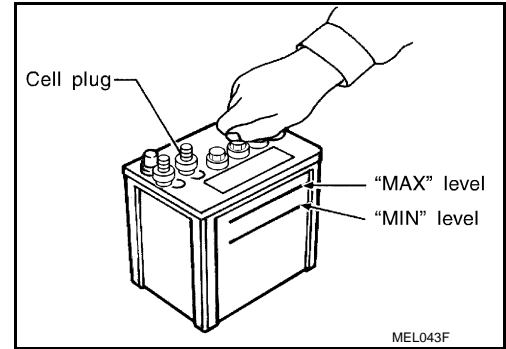
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# BATTERY

## < BASIC INSPECTION >

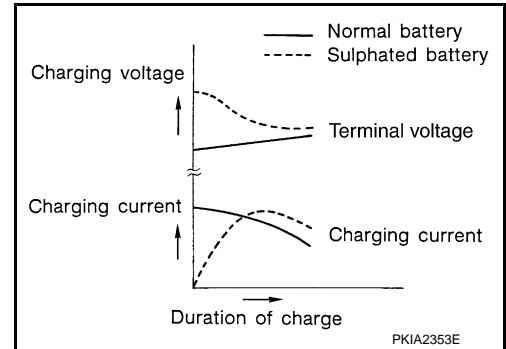
## [POWER SUPPLY&GROUND CIRCUIT]

- 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.



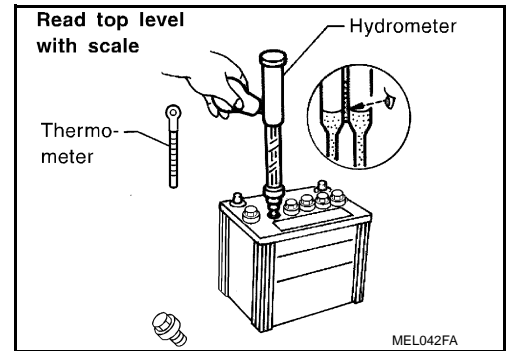
### Specific Gravity Check

#### NOTE:

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.

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

# BATTERY

< BASIC INSPECTION >

[POWER SUPPLY&GROUND CIRCUIT]

Battery electrolyte temperature [°C (°F)]	Add to specific gravity reading
4 (40)	-0.016
-1 (30)	-0.020
-7 (20)	-0.024
-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 (Standard Charge)

Approximate charge condition	Charge current (A)	Charge time (h)
Fully charged	5	2
3/4 charged		2.5
1/2 charged		5
1/4 charged		7.5
Almost discharged		9
Completely discharged		10

### Charging Rates (Quick Charge)

Approximate charge condition	Charge current (A)	Charge time (h)
Fully charged	—	—
3/4 charged	13	0.5
1/2 charged	26	
1/4 charged		
Almost discharged	—	—
Completely discharged	—	

### 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.

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# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

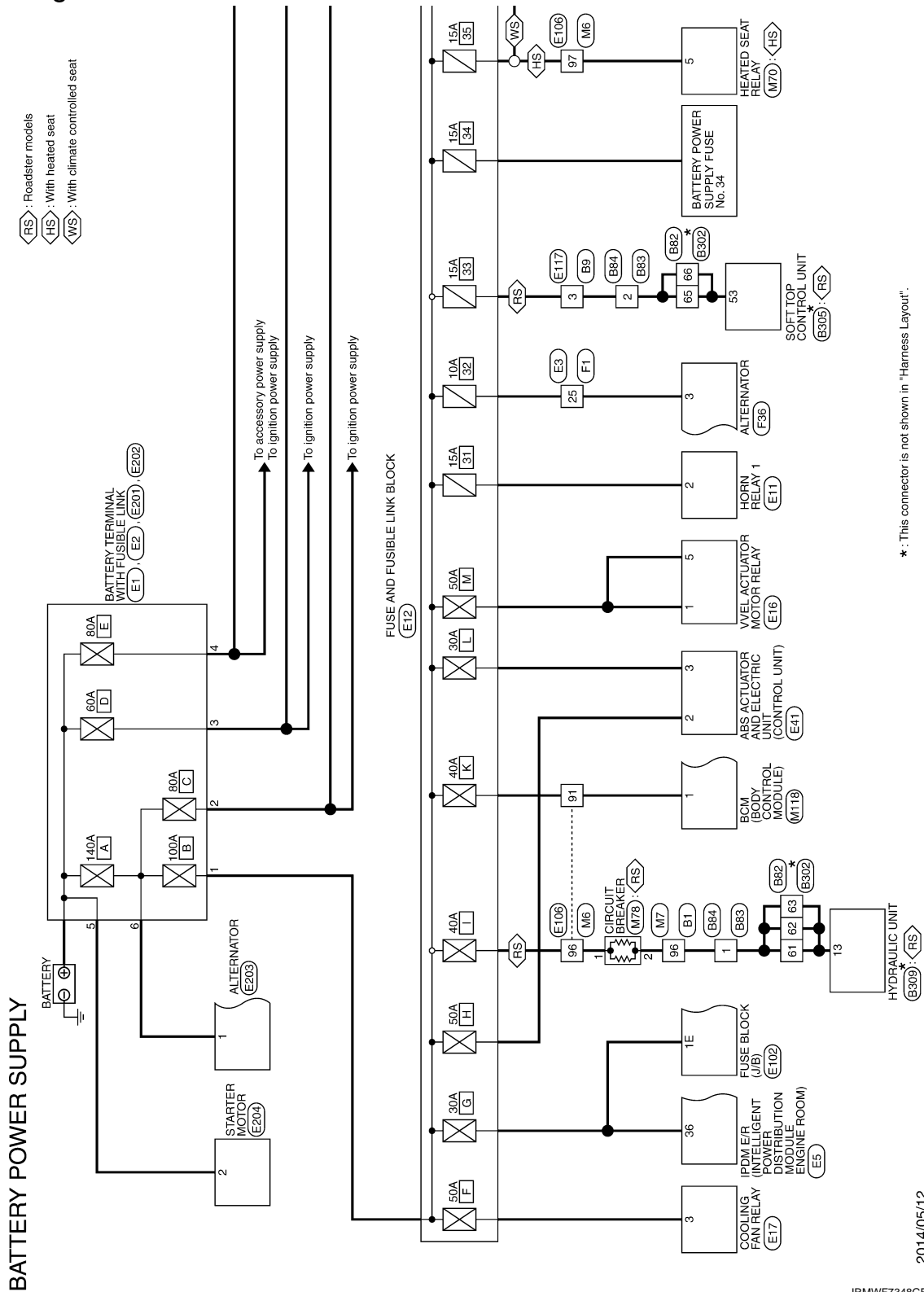
[POWER SUPPLY&GROUND CIRCUIT]

## DTC/CIRCUIT DIAGNOSIS

### POWER SUPPLY ROUTING CIRCUIT

#### Wiring Diagram - BATTERY POWER SUPPLY -

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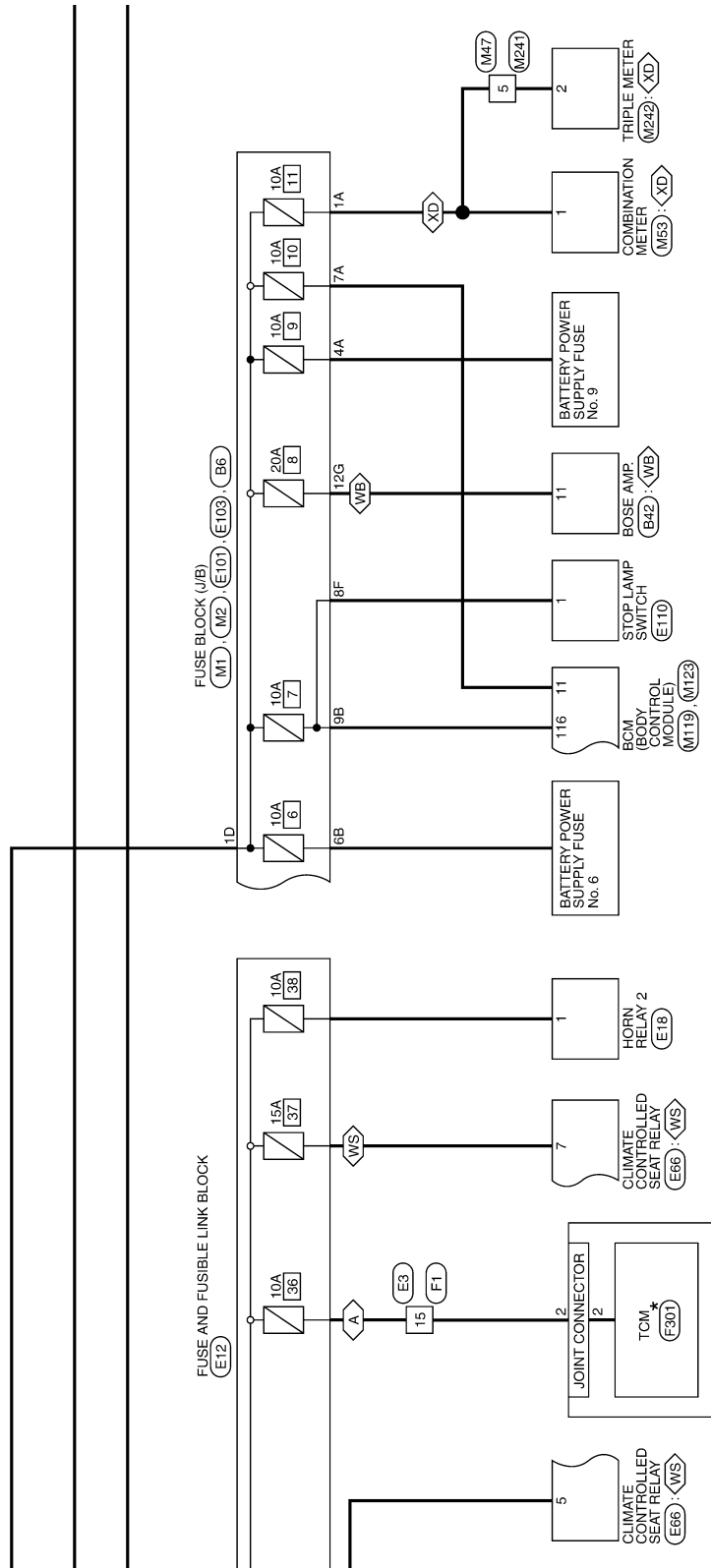


# POWER SUPPLY ROUTING CIRCUIT

## [POWER SUPPLY&GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

- : With A/T
- : With BOSE system
- : With climate controlled seat
- : Without front door satellite sensor



JRMWF7349GB

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

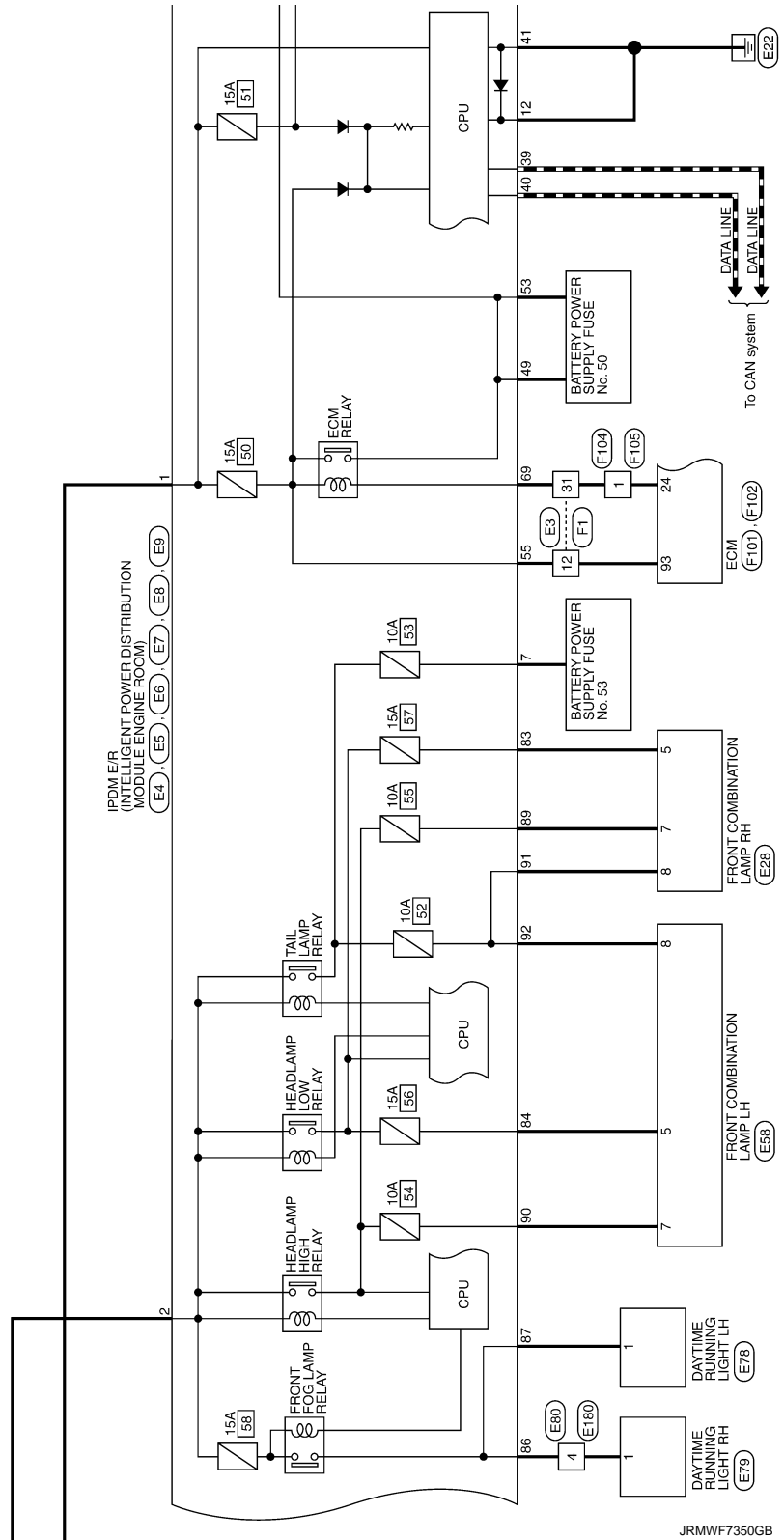
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# POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >



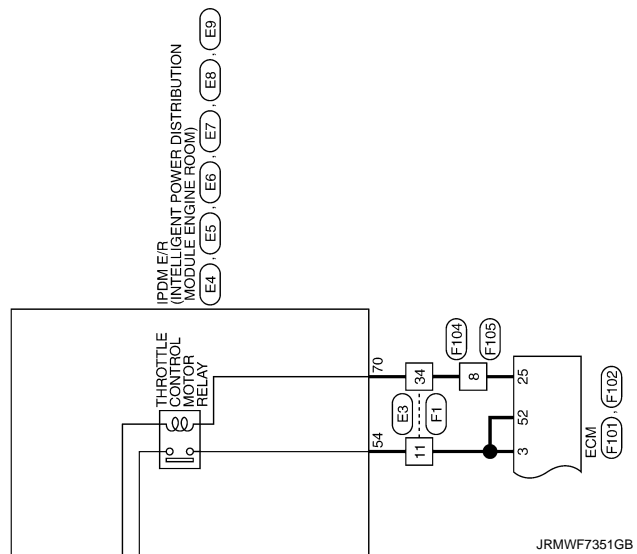


# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

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# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## BATTERY POWER SUPPLY

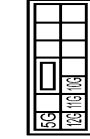
Connector No.	B1
Connector Name	WIRE TO WIRE
Connector Type	TH80FY-CS16-TM4



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

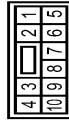
42	GR	
43	BR	
44	R	
45	BG	
46	SB	
46	SHIELD	
47	V	
48	SHIELD	
51	W	
52	R	
57	SHIELD	
58	B	
60	V	
61	SB	
62	SHIELD	
63	BR	
64	Y	
66	SHIELD	
66	W	
66	P	
67	L	
68	SHIELD	
69	R	
70	G	
71	V	
72	P	
73	BR	
74	GR	
75	BG	
80	Y	
81	R	
82	B	
83	GR	
84	G	
84	L	
85	LG	
86	V	
87	BR	
88	GR	
93	Y	
94	G	
94	L	
95	GR	
95	LG	
96	L	
97	Y	
98	W	
98	Y/B	
98	LG	
100	B	

Connector No.	B6
Connector Name	FUSE BLOCK (JIB)
Connector Type	NS1ZFB-RS



Terminal No.	Color Of Wire	Signal Name [Specification]
10G	P	
10G	W	
11G	G	
11G	W	
12G	Y	
3G	LG	

Connector No.	B9
Connector Name	WIRE TO WIRE
Connector Type	NS1DFW-CS



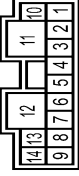
Terminal No.	Color Of Wire	Signal Name [Specification]
1	P	
2	R	
2	V	
3	Y	
4	G	
5	GR	
6	BG	
7	BR	
8	LG	
9	R	
10	G	

Connector No.	BS1
Connector Name	EVAP CANISTER CONTROL VALVE
Connector Type	ED2FB-RS



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	
2	Y	

Connector No.	B42
Connector Name	BOSE AMP.
Connector Type	ISGA12FBR-SJA2



Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	SOUND SIGNAL FRONT DOOR SPEAKER LH (+)
2	BG	SOUND SIGNAL FRONT DOOR SPEAKER RH (+) (Coupe models)
2	LG	SOUND SIGNAL REAR WOODER RH (+) (Roaster models)
3	G	SOUND SIGNAL FRONT DOOR SPEAKER RH (-) (Coupe models)
3	Y	SOUND SIGNAL REAR WOODER RH (-) (Roaster models)
4	L	SOUND SIGNAL FRONT DOOR SPEAKER LH (-) (Roaster models)
4	SB	SOUND SIGNAL WOODER (-) (Coupe models)
5	V	SOUND SIGNAL WOODER (+) (Coupe models)
6	LG	SOUND SIGNAL TWEETER LH (+)
7	GR	SOUND SIGNAL TWEETER LH (-)
8	BG	SOUND SIGNAL FRONT DOOR SPEAKER RH (+)
9	LG	SOUND SIGNAL REAR SPEAKER RH (+) (Roaster models)
9	R	SOUND SIGNAL REAR SPEAKER RH (-) (Coupe models)
10	V	SOUND SIGNAL FRONT DOOR SPEAKER LH (-)
11	Y	BATTERY
12	B	GROUND
13	G	SOUND SIGNAL FRONT DOOR SPEAKER RH (-)

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## BATTERY POWER SUPPLY

14	BR	SOUND SIGNAL REAR SPEAKER RH (L) [Coupe models]
14	Y	SOUND SIGNAL REAR SPEAKER RH (L) [Roadster models]

Connector No.	B60
Connector Name	REAR COMBINATION LAMP LH
Connector Type	RS06FGY-PR



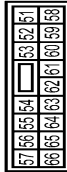
Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	-
2	R	- [Coupe models]
3	V	- [Roadster models]
4	B	-
6	BG	-

Connector No.	B67
Connector Name	REAR COMBINATION LAMP RH
Connector Type	RS06FGY-PR



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

Connector No.	BB2
Connector Name	WIRE TO WIRE
Connector Type	NS16FW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
52	P	-
53	G	-
55	R	-
56	B	-
57	B	-
58	Y	-
59	B	-
60	LG	-
61	L	-
62	L	-
63	L	-
64	B	-
65	Y	-
66	Y	-

Connector No.	BB3
Connector Name	WIRE TO WIRE
Connector Type	M02FW-LC



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

Connector No.	BB4
Connector Name	WIRE TO WIRE
Connector Type	M02MM-LC



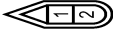
Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	-
2	Y	-

Connector No.	B152
Connector Name	LICENSE PLATE LAMP LH
Connector Type	RK02FBR



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

Connector No.	B153
Connector Name	LICENSE PLATE LAMP RH
Connector Type	RK02FBR



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

Connector No.	B237
Connector Name	TEL ADAPTER UNIT
Connector Type	TH02FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	BATTERY
2	V	ACC
3	SB	IGNITION SIGNAL
4	B	GROUND
7	L	MICROPHONE SIGNAL
8	SHIELD	MICROPHONE GND
9	BR	TEL VOICE SIGNAL (+)
10	Y	TEL VOICE SIGNAL (-)
11	BG	TELEPHONE ON SIGNAL
12	P	STRG SW A (INPUT)
13	L	STRG SW B (INPUT)
14	B	STRG SW GND (INPUT)
16	R	ROOF STATUS SIGNAL (AUDIO)
17	W	STRG SW A (OUTPUT)
18	GR	STRG SW B (OUTPUT)
19	B	STRG SW GND (OUTPUT)
20	L	CONTROL SIGNAL
21	B	CONT2 [Roadster models]

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# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## BATTERY POWER SUPPLY

21	V	CONTIZ (Coupe models)
22	P	CONTROL SIGNAL
23	P	CONT4
27	W	CONT6
28	V	VEHICLE SPEED SIGNAL (8-PULSE)
29	P	MICROPHONE VCC

Connector No.	B302
Connector Name	WIRE TO WIRE
Connector Type	NS16MM-GS



51	52	53	54	55	56	57		
58	59	60	61	62	63	64	65	66

Terminal No.	Color Of Wire	Signal Name [Specification]
52	R	-
53	R	-
55	V	-
56	B	-
57	B	-
58	SB	-
59	DG	-
60	DG	-
61	R	-
62	R	-
63	R	-
64	B	-
65	R	-
66	R	-

Connector No.	B305
Connector Name	SOFT TOP CONTROL UNIT
Connector Type	M03FB-NH



53	54
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Terminal No.	Color Of Wire	Signal Name [Specification]
53	R	BATTERY
54	B	GROUND

Connector No.	B309
Connector Name	HYDRAULIC UNIT
Connector Type	YAZAKI 7282-5590-40



14	13
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Terminal No.	Color Of Wire	Signal Name [Specification]
13	R	-
14	B	-

Connector No.	D7
Connector Name	DOOR MIRROR REMOTE CONTROL SWITCH
Connector Type	TK18FW



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

Connector No.	E1
Connector Name	BATTERY TERMINAL WITH FUSIBLE LINK
Connector Type	L02FBR-MC



1	12
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Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	W	-

Connector No.	E2
Connector Name	BATTERY TERMINAL WITH FUSIBLE LINK
Connector Type	L02FGY-MC



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

Connector No.	E3
Connector Name	WIRE TO WIRE
Connector Type	SAAS8MB-RSP-SH23



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

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

JRMWF7354GB

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## BATTERY POWER SUPPLY

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

Connector No.	E4
Connector Name	IPM E/R INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	LD2FB-MC



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

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



Terminal No.	Color Of Wire	Signal Name [Specification]
4	V	-
5	L	-
7	R	-
7	V	-
12	BW	- [Coupe models]
13	Y	- [Passenger models]
16	LG	-
19	W	-
25	G	-
27	Y	-
28	L	-
30	GR	-
36	G	-

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



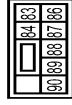
Terminal No.	Color Of Wire	Signal Name [Specification]
38	P	-
40	L	-
41	BW	-
42	P	-
43	SB	-
44	W	-
45	G	-

Connector No.	46
Connector Name	V
Connector Type	-



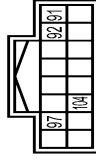
Terminal No.	Color Of Wire	Signal Name [Specification]
48	LG	-
49	BG	-
51	Y	-
53	W	-
54	V	-
55	SB	-
56	LG	-
57	G	-
58	P	-
69	BR	-
70	BG	-
72	GR	-
73	GR	-
74	G	-
75	SB	-
76	Y	-
77	R	-
80	W	-

Connector No.	E8
Connector Name	IPM E/R INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	NS09FW-CS



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

Connector No.	E9
Connector Name	IPM E/R INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	TH10FW-NH



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

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

PG

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

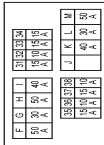
## BATTERY POWER SUPPLY

Connector No.	E11
Connector Name	HORN RELAY 1
Connector Type	24381_7990A



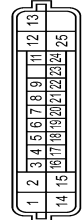
Terminal No.	Color Of Wire	Signal Name [Specification]
1	LG	-
2	SB	-
3	G	-

Connector No.	E12
Connector Name	FUSE AND FUSIBLE LINK BLOCK
Connector Type	24381_7990A



Terminal No.	Color Of Wire	Signal Name [Specification]
31	SB	-
32	V	-
33	Y	-
34	Y	-
35	LG	-
36	R	-
37	R	-
38	P	-
F	W	-
G	G	-
H	G	-
I	Y	-
K	W	-
L	R	-
M	R	-

Connector No.	E15
Connector Name	WVEL CONTROL MODULE
Connector Type	RH18FE-AZ8-RH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	WVEL ACTUATOR MOTOR POWER SUPPLY (BANK 2)
2	L/B	WVEL ACTUATOR MOTOR (HIGH LIFT) (BANK 2)
3	G	WVEL CONTROL SHIF POSITION SENSOR 1 (BANK 1)
4	W	SENSOR GROUND
5	R	WVEL CONTROL SHIF POSITION SENSOR 1 (BANK 2)
6	R	SENSOR GROUND
7	SB	SENSOR POWER SUPPLY
8	B/G	POWER SUPPLY FOR WVEL CONTROL MODULE
9	LG	SENSOR POWER SUPPLY
11	GR	ENGINE COMMUNICATION LINE
12	G	WVEL ACTUATOR MOTOR (HIGH LIFT) (BANK 1)
13	W	WVEL ACTUATOR MOTOR POWER SUPPLY (BANK 1)
14	B/W	WVEL CONTROL MODULE GROUND
15	L/Y	WVEL ACTUATOR MOTOR (LOW LIFT) (BANK 2)
16	R	WVEL CONTROL SHIF POSITION SENSOR 2 (BANK 1)
17	L	SENSOR GROUND
18	G	WVEL CONTROL SHIF POSITION SENSOR 2 (BANK 2)
19	W	SENSOR GROUND
20	BR	SENSOR POWER SUPPLY
21	V	WVEL ACTUATOR MOTOR RELAY ADJUST SIGNAL (COMMON)
22	P	SENSOR POWER SUPPLY
23	Y	WVEL CONTROL MOTOR RELAY
24	SB	ENGINE COMMUNICATION LINE
25	BR	WVEL ACTUATOR MOTOR (LOW LIFT) (BANK 1)

Connector No.	E16
Connector Name	WVEL ACTUATOR MOTOR RELAY
Connector Type	24347_9F900



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

Connector No.	E17
Connector Name	COOLING FAN RELAY
Connector Type	24347_9F900



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

Connector No.	E18
Connector Name	HORN RELAY 2
Connector Type	M03FWR-LC



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

Connector No.	E28
Connector Name	FRONT COMBINATION LAMP RH
Connector Type	RS06FGY-PR



Terminal No.	Color Of Wire	Signal Name [Specification]
3	B	-
4	B/W	-
5	R	-
6	LG	-
7	BR	-
8	P	-

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# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## BATTERY POWER SUPPLY

Connector No.	E41
Connector Name	ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT)
Connector Type	BAA42FB-AH24-LH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	GROUND
2	G	UB/ER
3	R	UB/VS
4	Y	GROUND
5	BG	DS FL
6	BR	DP RL
7	B	DP RR
9	B	DP FR
10	W	DS FR
14	P	CAN-L
25	Y	BUS-L
26	LG	DP FL
27	GR	DS RL
28	G	LZ
29	P	DS RR
30	SB	BLS
31	R	VDC OFF SW
35	L	CAN-H
45	B	BUS-H

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



Terminal No.	Color Of Wire	Signal Name [Specification]
1	LG	+BAT (VOL. SMALL)
3	R	BUZZER SIGNAL



Connector No.	E58
Connector Name	FRONT COMBINATION LAMP LH
Connector Type	RS06FGY-PR



Terminal No.	Color Of Wire	Signal Name [Specification]
3	B	-
4	BW	-
5	P	-
6	GR	-
7	LG	-
8	BG	-

Connector No.	E66
Connector Name	CLIMATE CONTROLLED SEAT RELAY
Connector Type	M06FBR-R-LC



Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
2	G	-
3	Y	-
6	LG	-
7	L	-
8	R	-

Connector No.	E78
Connector Name	DAYTIME RUNNING LIGHT LH
Connector Type	RS02FB



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

Connector No.	E79
Connector Name	DAYTIME RUNNING LIGHT RH
Connector Type	RS02FB



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

Connector No.	E80
Connector Name	WIRE TO WIRE
Connector Type	RS08MB-PR



Terminal No.	Color Of Wire	Signal Name [Specification]
1	LG	-
2	R	-
4	BG	-
5	B	-
6	L	-
8	B	-

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



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

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

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

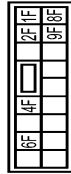
## BATTERY POWER SUPPLY

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



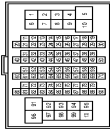
Terminal No.	Color Of Wire	Signal Name [Specification]
1E	G	-

Connector No.	E103
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS16FV-CS



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

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



Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
3	L	-
4	L	-
7	B	-
8	P	-
9	B	-
11	V	-
12	R	-
13	L	-
14	GR	-
15	P	-
16	W	-
17	SB	-
20	LG	-
21	BR	- [Coupe models]
21	G	- [Roadster models]
31	L	-
32	Y	-
36	V	-
37	Y	-
38	R	-
39	B	-
40	W	-
41	LG	-
42	SB	-
43	G	-
44	GR	- [Except for roadster models with M/T]
44	R	- [Roadster models with M/T]
45	BG	-
46	W	-
47	P	-
56	SHIELD	-
68	L	-
70	P	-
80	W	-
81	P	-

82	G	-
83	V	-
84	L	-
85	BG	-
86	LG	-
87	R	-
89	P	-
91	W	-
92	L	-
93	G	-
94	Y	-
96	Y	-
97	BR	-
98	GR	-
99	LG	-
100	BG	-

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



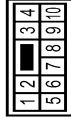
Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	-
2	W	-
3	G	-
4	P	-

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



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

Connector No.	E117
Connector Name	WIRE TO WIPE
Connector Type	NS10MW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
2	R	-
3	Y	-
4	G	-
5	GR	-
6	BG	-
7	BR	-
8	P	-
9	R	-
10	R	-



# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## BATTERY POWER SUPPLY

Connector No.	E180
Connector Name	WIRE TO WIRE
Connector Type	RS08FE-PR



Terminal No.	Color Of Wire	Signal Name [Specification]
1	LG	-
2	FG	-
4	BG	-
6	B	-
8	B	-

Connector No.	E201
Connector Name	BATTERY TERMINAL WITH FUSIBLE LINK
Connector Type	Z4340_75908



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

Connector No.	E202
Connector Name	BATTERY TERMINAL WITH FUSIBLE LINK
Connector Type	Z4340_75905



Terminal No.	6
Color Of Wire	B/GY
Signal Name [Specification]	-

Connector No.	E203
Connector Name	ALTERNATOR
Connector Type	Z4340_85F45



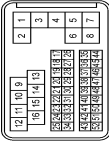
Terminal No.	1
Color Of Wire	B/GY
Signal Name [Specification]	B

Connector No.	E204
Connector Name	STARTER MOTOR
Connector Type	Z4348_51E61



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

Connector No.	F1
Connector Name	WIRE TO WIRE
Connector Type	SAA38FB-RSS-SHZ8



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

Terminal No.	34
Color Of Wire	O
Signal Name [Specification]	-
Terminal No.	36
Color Of Wire	GR
Signal Name [Specification]	-
Terminal No.	37
Color Of Wire	SHIELD
Signal Name [Specification]	-
Terminal No.	38
Color Of Wire	W
Signal Name [Specification]	-
Terminal No.	39
Color Of Wire	Y
Signal Name [Specification]	-
Terminal No.	40
Color Of Wire	G
Signal Name [Specification]	-
Terminal No.	41
Color Of Wire	B
Signal Name [Specification]	-
Terminal No.	42
Color Of Wire	GR
Signal Name [Specification]	-
Terminal No.	43
Color Of Wire	R
Signal Name [Specification]	-
Terminal No.	45
Color Of Wire	SB
Signal Name [Specification]	-
Terminal No.	46
Color Of Wire	SHIELD
Signal Name [Specification]	-
Terminal No.	47
Color Of Wire	W/L
Signal Name [Specification]	-
Terminal No.	48
Color Of Wire	LG
Signal Name [Specification]	-
Terminal No.	49
Color Of Wire	OL
Signal Name [Specification]	-
Terminal No.	50
Color Of Wire	L/Y
Signal Name [Specification]	-
Terminal No.	51
Color Of Wire	W
Signal Name [Specification]	-
Terminal No.	52
Color Of Wire	LG
Signal Name [Specification]	-

Connector No.	F7
Connector Name	EVAP CANISTER PURGE VOLUME CONTROL SOLENOID
Connector Type	ED2FL-RS-LGY



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

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














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< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## BATTERY POWER SUPPLY

<table border="1"> <tr><td>Connector No.</td><td>F8</td></tr> <tr><td>Connector Name</td><td>CONDENSER</td></tr> <tr><td>Connector Type</td><td>M02FW-LC</td></tr> </table>  	Connector No.	F8	Connector Name	CONDENSER	Connector Type	M02FW-LC	<table border="1"> <tr><td>Terminal No.</td><td>Wire</td><td>Signal Name [Specification]</td></tr> <tr><td>1</td><td>W</td><td>-</td></tr> <tr><td>2</td><td>B</td><td>-</td></tr> </table>	Terminal No.	Wire	Signal Name [Specification]	1	W	-	2	B	-	<table border="1"> <tr><td>Connector No.</td><td>F11</td></tr> <tr><td>Connector Name</td><td>IGNITION COIL NO. 1 (WITH POWER TRANSISTOR)</td></tr> <tr><td>Connector Type</td><td>ED3FGY-RS</td></tr> </table>  	Connector No.	F11	Connector Name	IGNITION COIL NO. 1 (WITH POWER TRANSISTOR)	Connector Type	ED3FGY-RS	<table border="1"> <tr><td>Terminal No.</td><td>Wire</td><td>Signal Name [Specification]</td></tr> <tr><td>1</td><td>Y</td><td>-</td></tr> <tr><td>2</td><td>B</td><td>-</td></tr> <tr><td>3</td><td>W</td><td>-</td></tr> </table>	Terminal No.	Wire	Signal Name [Specification]	1	Y	-	2	B	-	3	W	-			
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1	W	-																																					
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1	Y	-																																					
2	B	-																																					
3	W	-																																					
<table border="1"> <tr><td>Connector No.</td><td>F12</td></tr> <tr><td>Connector Name</td><td>IGNITION COIL NO. 2 (WITH POWER TRANSISTOR)</td></tr> <tr><td>Connector Type</td><td>ED3FGY-RS</td></tr> </table>  	Connector No.	F12	Connector Name	IGNITION COIL NO. 2 (WITH POWER TRANSISTOR)	Connector Type	ED3FGY-RS	<table border="1"> <tr><td>Terminal No.</td><td>Wire</td><td>Signal Name [Specification]</td></tr> <tr><td>1</td><td>G</td><td>-</td></tr> <tr><td>2</td><td>B</td><td>-</td></tr> <tr><td>3</td><td>W</td><td>-</td></tr> </table>	Terminal No.	Wire	Signal Name [Specification]	1	G	-	2	B	-	3	W	-	<table border="1"> <tr><td>Connector No.</td><td>F13</td></tr> <tr><td>Connector Name</td><td>IGNITION COIL NO. 3 (WITH POWER TRANSISTOR)</td></tr> <tr><td>Connector Type</td><td>ED3FGY-RS</td></tr> </table>  	Connector No.	F13	Connector Name	IGNITION COIL NO. 3 (WITH POWER TRANSISTOR)	Connector Type	ED3FGY-RS	<table border="1"> <tr><td>Terminal No.</td><td>Wire</td><td>Signal Name [Specification]</td></tr> <tr><td>1</td><td>L</td><td>-</td></tr> <tr><td>2</td><td>B</td><td>-</td></tr> <tr><td>3</td><td>W</td><td>-</td></tr> </table>	Terminal No.	Wire	Signal Name [Specification]	1	L	-	2	B	-	3	W	-
Connector No.	F12																																						
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Connector Type	ED3FGY-RS																																						
Terminal No.	Wire	Signal Name [Specification]																																					
1	G	-																																					
2	B	-																																					
3	W	-																																					
Connector No.	F13																																						
Connector Name	IGNITION COIL NO. 3 (WITH POWER TRANSISTOR)																																						
Connector Type	ED3FGY-RS																																						
Terminal No.	Wire	Signal Name [Specification]																																					
1	L	-																																					
2	B	-																																					
3	W	-																																					
<table border="1"> <tr><td>Connector No.</td><td>F14</td></tr> <tr><td>Connector Name</td><td>IGNITION COIL NO. 4 (WITH POWER TRANSISTOR)</td></tr> <tr><td>Connector Type</td><td>ED3FGY-RS</td></tr> </table>  	Connector No.	F14	Connector Name	IGNITION COIL NO. 4 (WITH POWER TRANSISTOR)	Connector Type	ED3FGY-RS	<table border="1"> <tr><td>Terminal No.</td><td>Wire</td><td>Signal Name [Specification]</td></tr> <tr><td>1</td><td>GR</td><td>-</td></tr> <tr><td>2</td><td>B</td><td>-</td></tr> <tr><td>3</td><td>W</td><td>-</td></tr> </table>	Terminal No.	Wire	Signal Name [Specification]	1	GR	-	2	B	-	3	W	-	<table border="1"> <tr><td>Connector No.</td><td>F15</td></tr> <tr><td>Connector Name</td><td>IGNITION COIL NO. 5 (WITH POWER TRANSISTOR)</td></tr> <tr><td>Connector Type</td><td>ED3FGY-RS</td></tr> </table>  	Connector No.	F15	Connector Name	IGNITION COIL NO. 5 (WITH POWER TRANSISTOR)	Connector Type	ED3FGY-RS	<table border="1"> <tr><td>Terminal No.</td><td>Wire</td><td>Signal Name [Specification]</td></tr> <tr><td>1</td><td>V</td><td>-</td></tr> <tr><td>2</td><td>B</td><td>-</td></tr> <tr><td>3</td><td>W</td><td>-</td></tr> </table>	Terminal No.	Wire	Signal Name [Specification]	1	V	-	2	B	-	3	W	-
Connector No.	F14																																						
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Connector Type	ED3FGY-RS																																						
Terminal No.	Wire	Signal Name [Specification]																																					
1	GR	-																																					
2	B	-																																					
3	W	-																																					
Connector No.	F15																																						
Connector Name	IGNITION COIL NO. 5 (WITH POWER TRANSISTOR)																																						
Connector Type	ED3FGY-RS																																						
Terminal No.	Wire	Signal Name [Specification]																																					
1	V	-																																					
2	B	-																																					
3	W	-																																					
<table border="1"> <tr><td>Connector No.</td><td>F16</td></tr> <tr><td>Connector Name</td><td>IGNITION COIL NO. 6 (WITH POWER TRANSISTOR)</td></tr> <tr><td>Connector Type</td><td>ED3FGY-RS</td></tr> </table>  	Connector No.	F16	Connector Name	IGNITION COIL NO. 6 (WITH POWER TRANSISTOR)	Connector Type	ED3FGY-RS	<table border="1"> <tr><td>Terminal No.</td><td>Wire</td><td>Signal Name [Specification]</td></tr> <tr><td>1</td><td>SB</td><td>-</td></tr> <tr><td>2</td><td>B</td><td>-</td></tr> <tr><td>3</td><td>W</td><td>-</td></tr> </table>	Terminal No.	Wire	Signal Name [Specification]	1	SB	-	2	B	-	3	W	-	<table border="1"> <tr><td>Connector No.</td><td>F18</td></tr> <tr><td>Connector Name</td><td>INTAKE VALVE TIMING CONTROL SOLenoid VALVE (BANK 1)</td></tr> <tr><td>Connector Type</td><td>ED2FG-RS-LGY</td></tr> </table>  	Connector No.	F18	Connector Name	INTAKE VALVE TIMING CONTROL SOLenoid VALVE (BANK 1)	Connector Type	ED2FG-RS-LGY	<table border="1"> <tr><td>Terminal No.</td><td>Wire</td><td>Signal Name [Specification]</td></tr> <tr><td>1</td><td>W</td><td>-</td></tr> <tr><td>2</td><td>R</td><td>-</td></tr> </table>	Terminal No.	Wire	Signal Name [Specification]	1	W	-	2	R	-			
Connector No.	F16																																						
Connector Name	IGNITION COIL NO. 6 (WITH POWER TRANSISTOR)																																						
Connector Type	ED3FGY-RS																																						
Terminal No.	Wire	Signal Name [Specification]																																					
1	SB	-																																					
2	B	-																																					
3	W	-																																					
Connector No.	F18																																						
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Connector Type	ED2FG-RS-LGY																																						
Terminal No.	Wire	Signal Name [Specification]																																					
1	W	-																																					
2	R	-																																					

JRMWF7360GB

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## BATTERY POWER SUPPLY

Connector No.	F29
Connector Name	INTAKE VALVE TIMING CONTROL SOLENOID VALVE (BANK 2)
Connector Type	EQ2FG-RS-LGY



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

Connector No.	F31
Connector Name	MASS AIR FLOW SENSOR (BANK 1)
Connector Type	RH49FB



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

Connector No.	F36
Connector Name	ALTERNATOR
Connector Type	H939FB



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

Connector No.	F42
Connector Name	MASS AIR FLOW SENSOR (BANK 2)
Connector Type	RH49FB



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

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



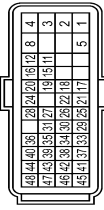
Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	IGNITION POWER SUPPLY
2	BR	BATTERY POWER SUPPLY (MEMORY BACK-UP)
3	L	CAN-L
4	V	K-LINE
5	B	GROUND
6	Y	IGNITION POWER SUPPLY
7	W	BACK-UP LAMP RELAY
8	P	CAN-L
9	GR	STARTER RELAY
10	B	GROUND

Connector No.	F58
Connector Name	INPUT SPEED SENSOR
Connector Type	RH49FB



Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	VIGN
2	B	GROUND
3	W	INTREV

Connector No.	F101
Connector Name	ECM
Connector Type	RH49FB-R28-L-LH-Z



Terminal No.	Color Of Wire	Signal Name [Specification]
1	O	A/F SENSOR 1 HEATER (BANK 1)
2	G	THROTTLE CONTROL MOTOR (OPEN) (BANK 1)
3	R	THROTTLE CONTROL MOTOR (CLOSE) (BANK 1)
4	BR	THROTTLE CONTROL MOTOR (POWER SUPPLY) (BANK 1)
5	W	A/F SENSOR 1 HEATER (BANK 2)
8	B	ECM GROUND
11	GR	IGNITION SIGNAL NO. 4
12	L	IGNITION SIGNAL NO. 3
15	V	IGNITION SIGNAL NO. 5
16	G	IGNITION SIGNAL NO. 2
17	P	HEATED OXYGEN SENSOR 2 HEATER (BANK 1)
18	W	HEATED OXYGEN SENSOR 2 HEATER (BANK 2)
19	SB	IGNITION SIGNAL NO. 6
20	Y	IGNITION SIGNAL NO. 1
21	GR	SWP-CANISTER PURGE VALVE CONTROL SOLENOID VALVE
22	R	FUEL PUMP RELAY
24	P	ECM RELAY (SELF SHUT-OFF)
25	O	THROTTLE CONTROL MOTOR RELAY
26	W	GEAR LEVER POSITION SENSOR X-AXIS
27	G	GEAR LEVER POSITION SENSOR Y-AXIS
28	BR	LEVEL ADJUSTMENT RELAY (RIGHT SIGNAL LEVEL CONTROL) (BANK 1)
29	G	INTAKE VALVE TIMING CONTROL SOLENOID VALVE (BANK 2)
30	Y	THROTTLE POSITION SENSOR 1 (BANK 1)
31	R	THROTTLE POSITION SENSOR 1 (BANK 2)
33	SB	HEATED OXYGEN SENSOR 2 HEATER (BANK 2)
34	B	THROTTLE POSITION SENSOR 2 (BANK 1)
35	W	THROTTLE POSITION SENSOR 2 (BANK 2)
36	O	SENSOR GROUND
37	W	CRANKSHAFT POSITION SENSOR (POS)
38	O	MANIFOLD ABSOLUTE PRESSURE (MAP) SENSOR
39	P	BRAKE BOOSTER PRESSURE SENSOR
40	R	SENSOR GROUND
41	SB	CLUTCH PEDAL POSITION SENSOR
42	GR	CLUTCH INTERLOCK SWITCH
43	G	SENSOR POWER SUPPLY
44	L	SENSOR POWER SUPPLY

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# POWER SUPPLY ROUTING CIRCUIT

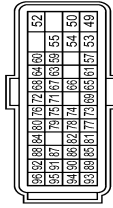
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## BATTERY POWER SUPPLY

45	LG	SENSOR POWER SUPPLY
46	R	SENSOR POWER SUPPLY
47	Y	SENSOR GROUND
48	B	SENSOR GROUND

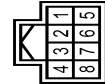
Connector No.	F102
Connector Name	ECM
Connector Type	RH40/FERR-RZ9-LH-Z



Terminal No.	Color Of Wire	Signal Name (Specification)
48	GR	THROTTLE CONTROL MOTOR (CLOSE) (BANK 2)
50	V	THROTTLE CONTROL MOTOR (OPEN) (BANK 2)
52	R	THROTTLE CONTROL MOTOR (POWER SUPPLY) (BANK 2)
53	W	IGNITION SWITCH
54	Y	ENGINE COMMUNICATION LINE
55	LG	ENGINE COMMUNICATION LINE
57	L	A/F SENSOR 1 (BANK 1)
58	L	CAMSHAFT POSITION SENSOR (PHASE) (BANK 1)
60	G	SENSOR POWER SUPPLY
61	R	A/F SENSOR 1 (BANK 1)
63	L	CAMSHAFT POSITION SENSOR (PHASE) (BANK 2)
64	SB	SENSOR POWER SUPPLY
65	LG	A/F SENSOR 1 (BANK 2)
66	V	A/F SENSOR 1 (BANK 2)
67	P	INTAKE AIR TEMPERATURE SENSOR (BANK 1)
68	LG	SENSOR GROUND
69	W	KNOCK SENSOR (BANK 2)
71	Y	ENGINE COOLANT TEMPERATURE SENSOR
72	SHIELD	SENSOR GROUND
73	W	KNOCK SENSOR (BANK 1)
74	L	SENSOR POWER SUPPLY
75	W	INPUT SPEED SENSOR
76	W	HEATED OXYGEN SENSOR 2 (BANK 1)
77	SB	MASS AIR FLOW SENSOR (BANK 1)
78	G	ENGINE OIL TEMPERATURE SENSOR
79	BR	MASS AIR FLOW SENSOR (BANK 2)
80	O	HEATED OXYGEN SENSOR 2 (BANK 2)
81	R	FUEL INJECTOR NO. 3
82	V	FUEL INJECTOR NO. 6
84	B	SENSOR GROUND

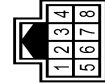
85	BR	FUEL INJECTOR NO. 2
86	W	FUEL INJECTOR NO. 5
87	Y	POWER STEERING PRESSURE SENSOR
88	R	SENSOR GROUND
89	GR	FUEL INJECTOR NO. 1
90	O	FUEL INJECTOR NO. 4
91	SB	BATTERY CURRENT SENSOR
92	G	SENSOR GROUND
93	P	POWER SUPPLY FOR ECM (BACK-UP)
94	Y	SENSOR GROUND
95	G	SENSOR GROUND
96	P	SENSOR GROUND

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



Terminal No.	Color Of Wire	Signal Name (Specification)
1	P	-
2	V	-
3	L	-
4	Y	-
6	GR	-
7	R	-
8	O	-

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



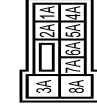
Terminal No.	Color Of Wire	Signal Name (Specification)
1	P	-
2	V	-
3	L	-
4	Y	-
6	GR	-
7	R	-
8	O	-

Connector No.	F301
Connector Name	TCM
Connector Type	SP10FG



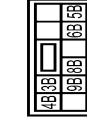
Terminal No.	Color Of Wire	Signal Name (Specification)
1	W	IGNITION POWER SUPPLY
2	B	BATTERY POWER SUPPLY (MEMORY BACK-UP)
3	R	CAN-H
4	O	K-LINE
5	G	GROUND
6	GR	IGNITION POWER SUPPLY
7	L	BACK-UP LAMP RELAY
8	BR	CAN-L
9	Y	STARTER RELAY
10	WB	GROUND

Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS10FW-M2



Terminal No.	Color Of Wire	Signal Name (Specification)
1A	V	-
2A	G	-
3A	L	-
4A	P	-
5A	L	-
6A	Y	-
7A	BR	-
8A	L	-

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



Terminal No.	Color Of Wire	Signal Name (Specification)
3B	P	-
4B	G	-
5B	O	-
6B	Y	-
8B	R	-
9B	SB	-

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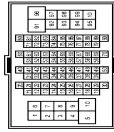
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

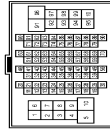
## BATTERY POWER SUPPLY

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TP80MMV-CS16-TM4



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

Connector No.	M7
Connector Name	WIRE TO WIRE
Connector Type	TP80MMV-CS16-TM4



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

83	V	
84	L	
85	BR	
86	Y	
87	G	
88	P	
89	P	
90	W	
91	W	
92	P	
93	P	
94	Y	
95	P	
96	P	
97	GR	
98	O	
99	W	
100	R	

Connector No.	M15
Connector Name	ROOF OPEN / CLOSE SWITCH
Connector Type	TR03SPV-1V



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

23	V	
24	R	
25	L	
26	P	
27	B	
28	SHIELD	
29	W	
30	W	
31	W	
32	B	
33	W	
34	R	
35	B	
36	L	
37	L	
38	L	
39	L	
40	L	
41	R	
42	GR	
43	R	
44	R	
45	O	
46	G	
47	SHIELD	
48	SHIELD	
49	V	
50	R	
51	V	
52	R	
53	SHIELD	
54	B	
55	L	
56	L	
57	R	
58	B	
59	L	
60	L	
61	R	
62	SHIELD	
63	R	
64	G	
65	SHIELD	
66	LG	
67	V	
68	SHIELD	
69	L	
70	P	
71	V	
72	P	
73	BR	
74	GR	
75	O	
76	Y	
77	W	
78	BR	
79	GR	
80	GR	
81	LG	
82	V	
83	L	
84	L	
85	V	
86	V	
87	BR	

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# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## BATTERY POWER SUPPLY

Connector No.	M19
Connector Name	VDC OFF SWITCH
Connector Type	TK04FW



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

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



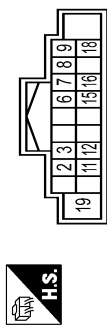
Terminal No.	Color Of Wire	Signal Name [Specification]
1	P	BAT
2	GR	CLOCK
3	W	DATA
5	Y	ILL BAT
6	LG	ILL
7	B	GROUND
11	R	KEY SWITCH SIGNAL

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



Terminal No.	Color Of Wire	Signal Name [Specification]
3	LG	- [Couple models]
4	Y	- [Couple models]
5	B	- [Couple models]
6	L	- [Couple models]
7	Y	- [Couple models]
8	G	- [Couple models]
11	LG	- [Couple models]
14	Y	- [Couple models]
16	Y	- [Couple models]

Connector No.	M28
Connector Name	AUDIO UNIT
Connector Type	TH18FW-SSZ



Terminal No.	Color Of Wire	Signal Name [Specification]
2	L	SOUND SIGNAL FRONT SPEAKER LH(+)
3	V	SOUND SIGNAL FRONT SPEAKER LH(-)
6	W	STRG SW A
7	L	ACC
8	W	ILLUMINATION SIGNAL (-)
9	R	ILLUMINATION SIGNAL (+)
11	V	SOUND SIGNAL FRONT SPEAKER RH(+)
12	LG	SOUND SIGNAL FRONT SPEAKER RH(-)
15	B	STRG SW GND

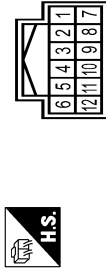
Terminal No.	16	GR	STRG SW B
Terminal No.	18	Y	VEHICLE SPEED SIGNAL (8-PULSE)
Terminal No.	19	Y	BATTERY

Connector No.	M35
Connector Name	COMBINATION SWITCH (SPRAL CABLE)
Connector Type	TK06FY-EX-1V



Terminal No.	Color Of Wire	Signal Name [Specification]
28	W	-
29	Y	-
30	Y	-

Connector No.	M47
Connector Name	WIRE TO WIRE
Connector Type	TH12FW-NH



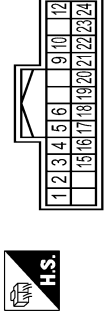
Terminal No.	Color Of Wire	Signal Name [Specification]
2	L	-
3	BR	-
4	O	-
5	V	-
6	B	-

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



Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
2	R	-
3	G	-
4	BR	-
5	GR	-
7	V	-
8	P	-

Connector No.	M53
Connector Name	COMBINATION METER
Connector Type	TH24FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	V	BATTERY POWER SUPPLY
2	O	IGNITION SIGNAL
3	L	VEHICLE SPEED SIGNAL (2-PULSE)
4	V	VEHICLE SPEED SIGNAL (8-PULSE) (For Model)
4	Y	VEHICLE SPEED SIGNAL (8-PULSE) (Based for Model)
5	B	ILLUMINATION CONTROL SIGNAL
6	R	ROOF STATUS SIGNAL
9	BR	COMBINATION SIGNAL (HEAD-STEPLE METER)
10	L	COMBINATION SIGNAL (TACHOMETER)
12	G	SHODE SWITCH SIGNAL
15	L	ACC POWER SUPPLY
16	R	AIR BAG SIGNAL

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## BATTERY POWER SUPPLY

Terminal No.	Color	Wire	Signal Name [Specification]
17	B		GROUND
18	V		AMBIENT SENSOR SIGNAL
19	G	SB	AC AUTO AMP CONNECTION RECOGNITION SIGNAL
20	GR		AMBIENT SENSOR GROUND
21	L		CAN-H
22	P		CAN-L
23	B		GROUND
24	Y		FUEL LEVEL SENSOR GROUND

Connector No.	M64
Connector Name	CLIMATE CONTROLLED SEAT SWITCH (DRIVER SIDE)
Connector Type	TK10FW



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

Connector No.	M65
Connector Name	CLIMATE CONTROLLED SEAT SWITCH (PASSENGER SIDE)
Connector Type	TK08FER



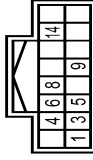
Terminal No.	Color	Wire	Signal Name [Specification]
1	SB		-
2	G		-
3	L		-
4	O		-
5	Y		-
6	B		-
7	R		-
8	R		-

Connector No.	M66
Connector Name	A/C AUTO AMP
Connector Type	SAB40FW



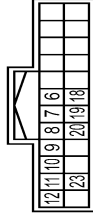
Terminal No.	Color	Wire	Signal Name [Specification]
1	L		CAN-H
2	P		CAN-L
6	L		TX (AMP CONT)
7	P		RX (CONT AMP)
10	BR		LAN SIGNAL
11	Y		EACH DOOR MOTOR POWER SUPPLY
15	O		SUNLOAD SENSOR SIGNAL
16	R		INTAKE SENSOR SIGNAL
17	L		ACC POWER SUPPLY
19	B		GROUND
20	G		IGNITION POWER SUPPLY
24	O		ECV SIGNAL
26	R		REAR WINDOW DEFROGGER FEEDBACK SIGNAL
27	L		REAR WINDOW DEFROGGER ON SIGNAL
32	P		BLOWER MOTOR CONTROL SIGNAL
34	G		AC AUTO AMP CONNECTION RECOGNITION SIGNAL
35	V		AMBIENT SENSOR SIGNAL
36	LG		IN-VEHICLE SENSOR SIGNAL
37	GR		SENSOR GROUND
38	B		GROUND
40	Y		BATTERY POWER SUPPLY

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



Terminal No.	Color	Wire	Signal Name [Specification]
1	B		GROUND
3	L		ACC
4	R		ILL
5	W		ILL CONT
6	LG		AV COMM (IH)
8	Y		AV COMM (L)
9	BR		SW GND
14	SB		DISK EJECT SIGNAL

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



Terminal No.	Color	Wire	Signal Name [Specification]
6	B		SHIELD
7	SHIELD		SHIELD
8	L		CAMERA IMAGE SIGNAL
9	R		COMM (DISP->CONT)
10	G		COMM (CONT->DISP)
11	Y		BATTERY
12	B		GROUND
16	O		COMPOSITE IMAGE SIGNAL
19	L		COMPOSITE IMAGE SIGNAL GND
20	Y		-
23	L		ACC

A  
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K  
L  
PG  
N  
O  
P

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

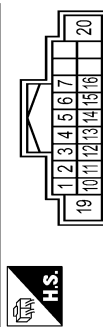
## BATTERY POWER SUPPLY

Connector No.	M78
Connector Name	CIRCUIT BREAKER
Connector Type	M02FW-LC



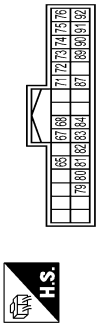
Terminal No.	Color Of Wire	Signal Name [Specification]
1	P	-
2	L	-

Connector No.	M84
Connector Name	AV CONTROL UNIT
Connector Type	TH18FW-CS2



Terminal No.	Color Of Wire	Signal Name [Specification]
1	V	BOSE AMP_ON SIGNAL
2	LG	SOUND SIGNAL FRONT LH (+)
3	V	SOUND SIGNAL FRONT LH (-)
4	L	SOUND SIGNAL REAR LH (+)
5	R	SOUND SIGNAL REAR LH (-)
6	P	STRG SW A
7	L	ACC
10	SHIELD	SHIELD
11	L	SOUND SIGNAL FRONT RH (+)
12	P	SOUND SIGNAL FRONT RH (-)
13	R	SOUND SIGNAL REAR RH (+)
14	G	SOUND SIGNAL REAR RH (-) (Rearster model)
14	Y	SOUND SIGNAL REAR RH (-) (Coupe model)
15	B	STRG SW GND
16	L	STRG SW B
18	Y	BATTERY
20	B	GROUND

Connector No.	M86
Connector Name	AV CONTROL UNIT
Connector Type	TH32FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
65	O	PARKING BRAKE SIGNAL
67	L	COMPOSITE IMAGE GND
68	G	COMPOSITE IMAGE SIGNAL
71	SHIELD	MICROPHONE GND
72	R	MICROPHONE VCC
73	G	COMM (CONTR/DSF)
74	P	CANL
75	LG	AV COMM (L)
76	LG	AV COMM (L)
79	R	IGNITION SIGNAL
80	G	ILL+
81	O	REVERSE SIGNAL
82	Y	VEHICLE SPEED SIGNAL (B-PULSE)
83	B	SHIELD
84	Y	-
87	G	MICROPHONE SIGNAL
89	R	COMM (DISP-CONT)
90	L	CANH
91	Y	AV COMM (H)
92	Y	AV COMM (H)

Connector No.	M107
Connector Name	ECM
Connector Type	RH24FY-RZB-LH-Z



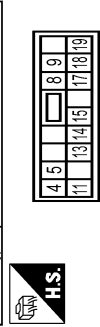
Terminal No.	Color Of Wire	Signal Name [Specification]
97	R	ACCELERATOR PEDAL POSITION SENSOR1
98	P	ACCELERATOR PEDAL POSITION SENSOR2
99	L	SENSOR POWER SUPPLY
100	W	SENSOR GROUND
101	SB	ASCD STEERING SWITCH
102	GR	EVAP CONTROL SYSTEM PRESSURE SENSOR
103	G	SENSOR POWER SUPPLY
104	GR	SENSOR GROUND
105	L	REFRIGERANT PRESSURE SENSOR
106	W	FUEL TANK TEMPERATURE SENSOR
107	BR	SENSOR POWER SUPPLY
108	Y	SENSOR GROUND
109	G	PNP SIGNAL
110	R	ENGINE SPEED OUTPUT SIGNAL
112	SB	SENSOR GROUND
113	P	CAN COMMUNICATION LINE
114	L	CAN COMMUNICATION LINE
117	Y	DATA LINK CONNECTOR
121	LG	EVAP CANISTER VENT CONTROL VALVE
122	P	STOP LAMP SWITCH
123	B	ECM GROUND
124	B	ECM GROUND
125	R	POWER SUPPLY FOR ECM
126	BR	ASCD BRAKE SWITCH
127	B	ECM GROUND
128	B	ECM GROUND

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



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	BAT (FL)
2	W	POWER WINDOW POWER SUPPLY (BAT)
3	Y	POWER WINDOW POWER SUPPLY (IGN)

Connector No.	M119
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	NS18FW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
4	R	INTERIOR ROOM LAMP POWER SUPPLY
5	G	PASSENGER DOOR UNLOCK OUTPUT
8	V	ALL DOOR_FUEL LID LOCK OUTPUT
9	G	DRIVER DOOR_FUEL LID UNLOCK OUTPUT
11	BR	BAT (FUSE)
13	B	GROUND
14	R	PUSH BUTTON (IGNITION SW ILL GND)
15	Y	ACC_IND
17	W	TURN SIGNAL RH (FRONT SIDE)
18	O	TURN SIGNAL LH (FRONT SIDE)
19	P	ROOM LAMP TIMER CONTROL



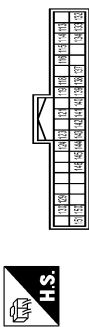
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## BATTERY POWER SUPPLY

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



Terminal No.	Color Of Wire	Signal Name [Specification]
113	O	OPTICAL SENSOR
114	R	CLUTCH INTERLOCK SW
115	O	
116	SB	STOP LAMP SW 1
118	P	STOP LAMP SW 2
119	SB	DR DOOR UNLOCK SENSOR
121	R	KEY SLOT SW
123	W	IGN FJB
124	LG	PASSENGER DOOR SW
129	O	TRUNK LID OPENER CANCEL SW
130	L	REAR DEFOGGER SW
132	V	P/W SW & SOFT TOP CAL COMM (Passenger models)
133	G	POWER WINDOW SW COMM (Coupe models)
133	G	PUSH BUTTON IGNITION SW (ILL POWER)
134	GR	LOCK IND
137	P	RECEIVER & SENSOR GND
138	V	RECEIVER & SENSOR POWER SUPPLY
139	L	TIRE PRESS RECEIV COMM
140	G	P/N POSITION
141	Y	SECURITY INDICATOR
142	O	COMBI SW OUTPUT 5
143	P	COMBI SW OUTPUT 1
144	G	COMBI SW OUTPUT 2
145	L	COMBI SW OUTPUT 3
146	SB	COMBI SW OUTPUT 4
150	GR	DRIVER DOOR SW
151	G	REAR WINDOW DEFOGGER RELAY CONT

Connector No.	M137
Connector Name	A/T SHIFT SELECTOR
Connector Type	TK10FW



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

Connector No.	M138
Connector Name	HEATED SEAT SWITCH (DRIVER SIDE)
Connector Type	NS90FV-CS



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

Connector No.	M140
Connector Name	HEATED SEAT SWITCH (PASSENGER SIDE)
Connector Type	NS90FER-CS



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

Connector No.	M144
Connector Name	HAZARD SWITCH
Connector Type	TK04FW



Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	GROUND
2	P	BCM
3	R	ILL+
4	B	ILL-

Connector No.	M241
Connector Name	WIRE TO WIRE
Connector Type	TH120VW



Terminal No.	Color Of Wire	Signal Name [Specification]
2	L	
3	BR	
4	O	
5	V	
6	B	

Connector No.	M242
Connector Name	TRIPLE METER
Connector Type	TH12FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	GROUND
2	V	BATTERY POWER SUPPLY
3	O	IGNITION SIGNAL
4	BR	COMMUNICATION SIGNAL (TRIPLE METER)
5	L	COMMUNICATION SIGNAL (TRIPLE METER)

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# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## BATTERY POWER SUPPLY

Connector No.	M255
Connector Name	S-MODE SWITCH
Connector Type	TK04FGY



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

Connector No.	M256
Connector Name	HAZARD SWITCH
Connector Type	TK04FW



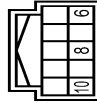
Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	GROUND
2	G	BCM
3	SB	ILL+
4	BG	ILL- (Coupe models)
4	O	ILL- (Roadster models)

Connector No.	R4
Connector Name	MAP LAMP
Connector Type	TK06FGY



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

Connector No.	R6
Connector Name	AUTO ANTIDAZLING INSIDE MIRROR
Connector Type	TH10FB-NH



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

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# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

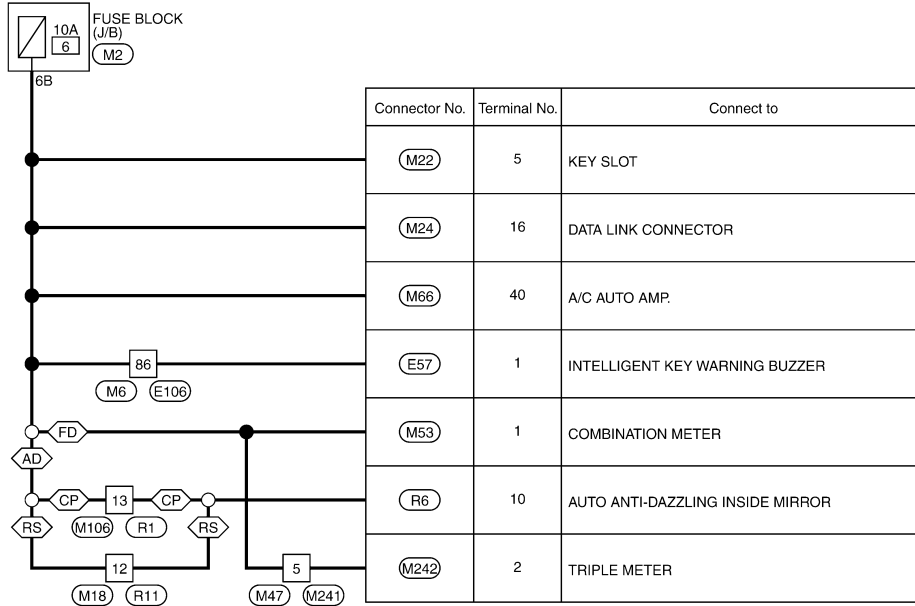
[POWER SUPPLY&GROUND CIRCUIT]

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

INFOID:000000010838444

### BATTERY POWER SUPPLY FUSE No. 6

- ⬡CP⬢ : Coupe models
- ⬡RS⬢ : Roadster models
- ⬡AD⬢ : With auto anti-dazzling inside mirror
- ⬡FD⬢ : With Front door satellite sensor



A  
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P

PG

2014/05/12

JRMWF7369GB

# POWER SUPPLY ROUTING CIRCUIT


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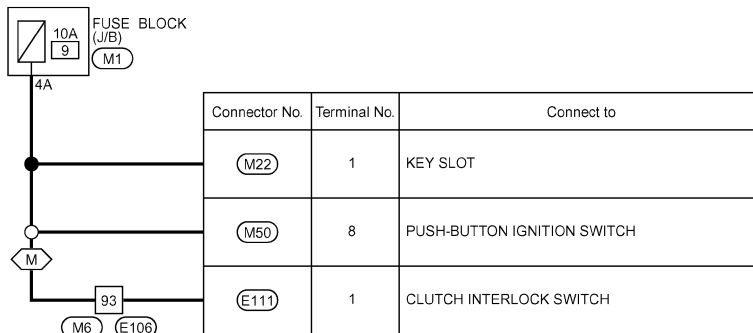
[POWER SUPPLY&GROUND CIRCUIT]

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

INFOID:000000010838445

### BATTERY POWER SUPPLY FUSE No. 9

 : With M/T



2008/09/12

JCMWA3269GB

# POWER SUPPLY ROUTING CIRCUIT



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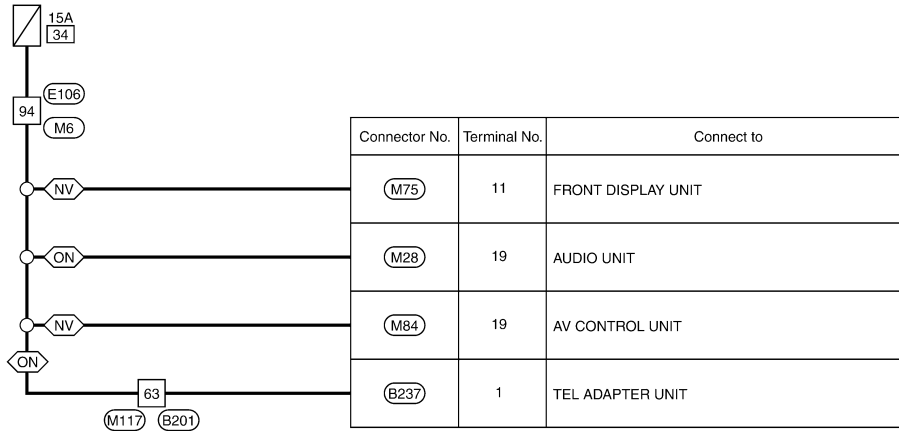
[POWER SUPPLY&GROUND CIRCUIT]

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

INFOID:000000010838446

### BATTERY POWER SUPPLY FUSE No. 34

 : With NAVI  
 : Without NAVI



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

2014/05/12

JRMWF7370GB

# POWER SUPPLY ROUTING CIRCUIT

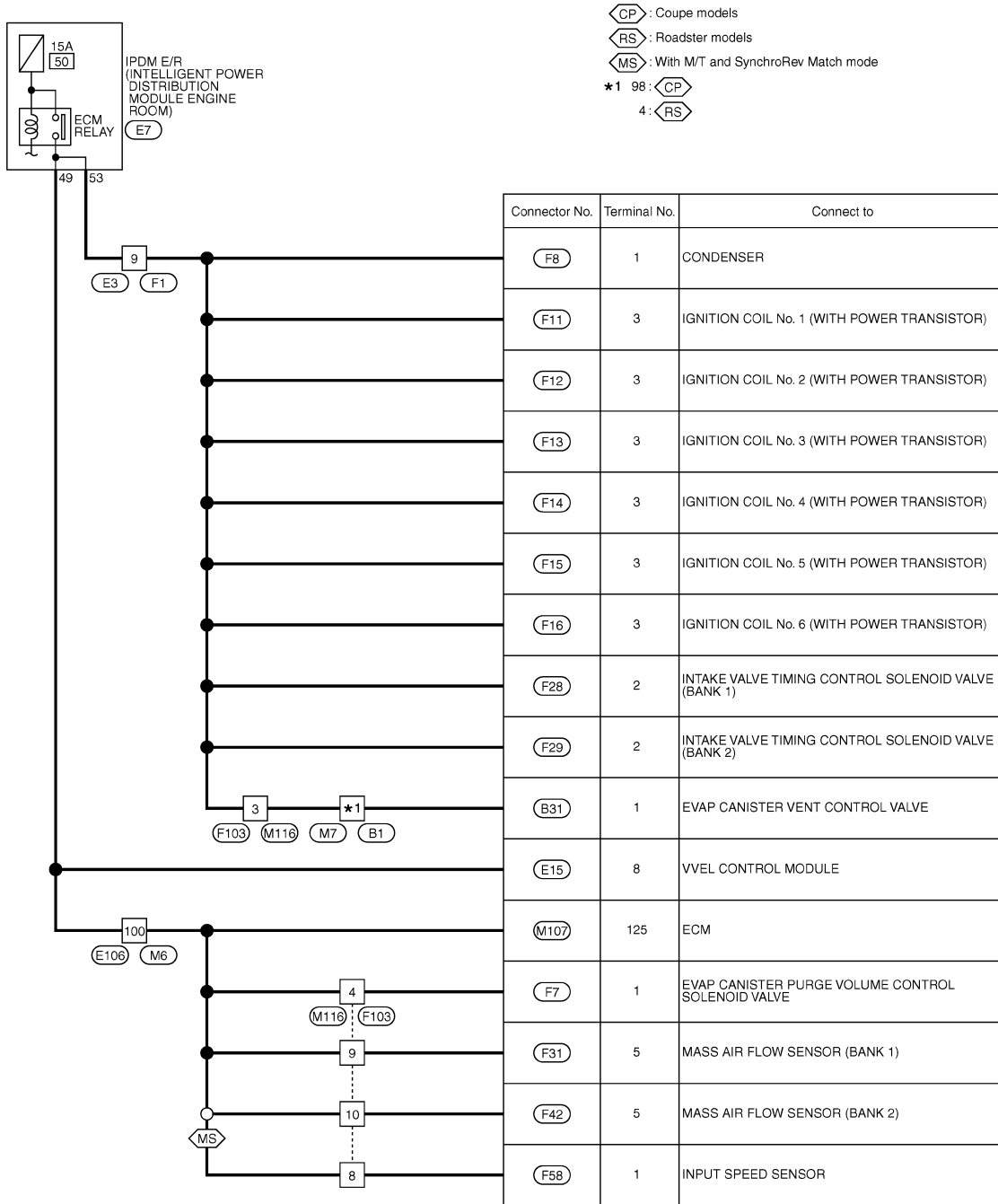
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

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

INFOID:0000000110838447

### BATTERY POWER SUPPLY FUSE No. 50



2009/07/10

JCMWM4804GB

# POWER SUPPLY ROUTING CIRCUIT

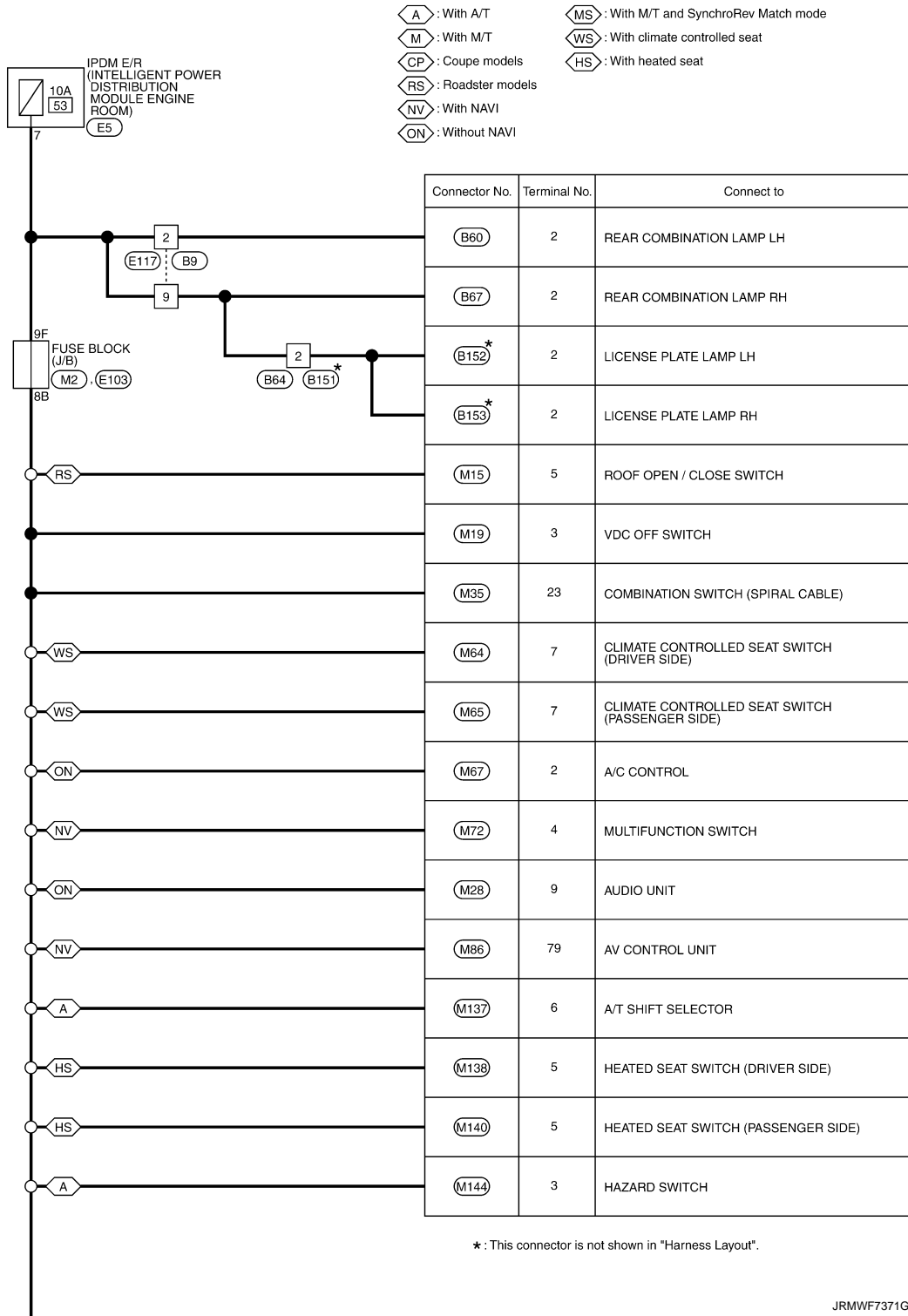
## [POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

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

INFOID:000000010838448

#### BATTERY POWER SUPPLY FUSE No. 53



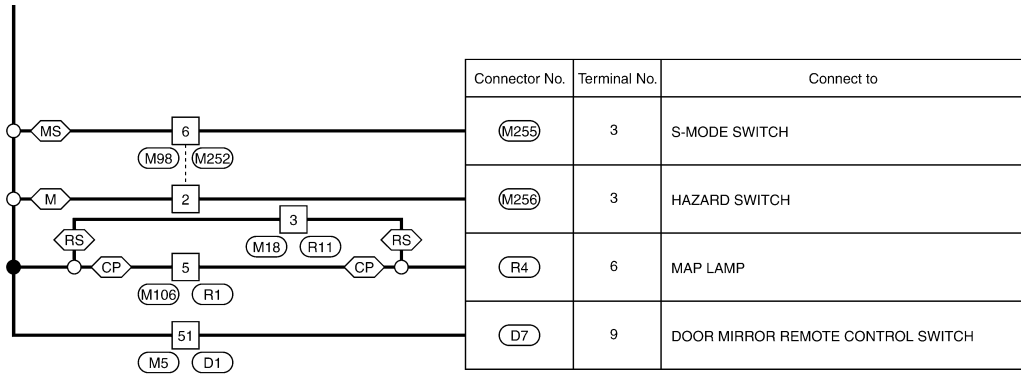
- (A) : With A/T
- (M) : With M/T
- (CP) : Coupe models
- (RS) : Roadster models
- (NV) : With NAVI
- (ON) : Without NAVI
- (MS) : With M/T and SynchroRev Match mode
- (WS) : With climate controlled seat
- (HS) : With heated seat

A  
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# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]



2014/05/12

JRMWF7372GB



# POWER SUPPLY ROUTING CIRCUIT

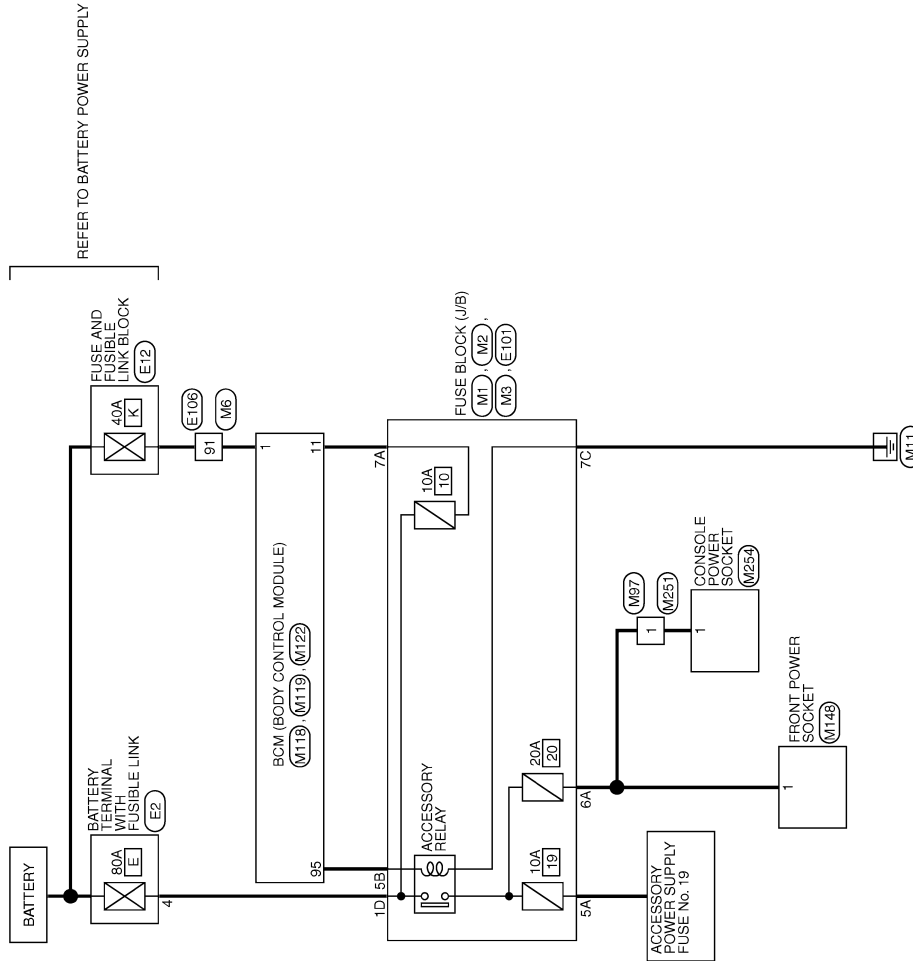
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## Wiring Diagram - ACCESSORY POWER SUPPLY -

INFOID:000000010838449

### ACCESSORY POWER SUPPLY



A  
B  
C  
D  
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P

2011/07/19

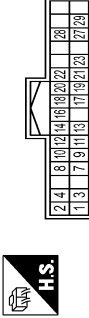
JRMWC4675GB

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

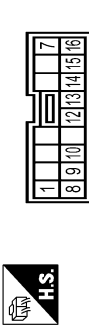
[POWER SUPPLY&GROUND CIRCUIT]

**ACCESSORY POWER SUPPLY**  
 Connector No. B237  
 Connector Name TEL ADAPTER UNIT  
 Connector Type TH32FYV-NH



Terminal No.	Color Of Wire	Signal Name (Specification)
1	Y	BATTERY
2	V	ACC
3	SB	IGNITION SIGNAL
4	B	GROUND
7	L	MICROPHONE SIGNAL
8	SHIELD	MICROPHONE GND
9	BR	TEL VOICE SIGNAL (+)
10	Y	TEL VOICE SIGNAL (-)
11	BG	TELEPHONE ON SIGNAL
12	P	STRG SW A (INPUT)
13	L	STRG SW B (INPUT)
14	B	STRG SW GND (INPUT)
16	R	ROOF STATUS SIGNAL (AUDIO)
17	W	STRG SW A (OUTPUT)
18	GR	STRG SW B (OUTPUT)
19	B	STRG SW GND (OUTPUT)
20	L	CONTROL SIGNAL
21	B	CONT2 (Roastster models)
21	V	CONT2 (Coupe models)
22	P	CONTROL SIGNAL
23	P	CONT4
27	W	CONT8
28	V	VEHICLE SPEED SIGNAL (8-PULSE)
29	P	MICROPHONE VCC

Connector No. D7  
 Connector Name DOOR MIRROR REMODE CONTROL SWITCH  
 Connector Type TK18FW



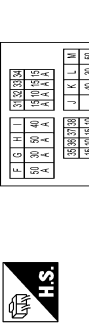
Terminal No.	Color Of Wire	Signal Name (Specification)
1	B	-
7	V	-
8	LG	-
9	R	-
10	Y	-
12	G	-
13	GR	-
14	L	-
15	BG	-
16	BR	-

Connector No. E2  
 Connector Name BATTERY TERMINAL WITH FUSIBLE LINK  
 Connector Type L02FGY-MC



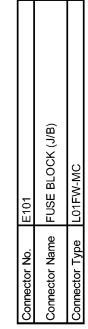
Terminal No.	Color Of Wire	Signal Name (Specification)
3	L	-
4	R	-

Connector No. E12  
 Connector Name FUSE AND FUSIBLE LINK BLOCK  
 Connector Type Z4381 7890A



Terminal No.	Color Of Wire	Signal Name (Specification)
31	SB	-
32	V	-
33	Y	-
34	L	-
35	LG	-
36	R	-
37	R	-
38	P	-
F	W	-
G	G	-
H	G	-
I	Y	-
K	W	-
L	R	-
M	R	-

Connector No. E101  
 Connector Name FUSE BLOCK (JIB)  
 Connector Type L01FM-MC



Terminal No.	Color Of Wire	Signal Name (Specification)
1D	R	-

Connector No. E106  
 Connector Name WIRE TO WIRE  
 Connector Type TH80FYV-CS16-TM4



Terminal No.	Color Of Wire	Signal Name (Specification)
1	Y	-
3	L	-
4	L	-
7	B	-
8	B	-
9	B	-
11	V	-
12	R	-
13	L	-
14	GR	-
15	P	-
16	W	-
17	SB	-
20	LG	-
21	BR	- [Coupe models]
21	G	- [Roastster models]
31	L	-
32	Y	-
36	V	-
37	Y	-
38	R	-
39	B	-
40	W	-
41	LG	-
42	SB	-
43	G	-
44	GR	- [Except for Roastster models with M/T]
44	R	- [Roastster models with M/T]
46	BG	W
47	P	-
56	SHIELD	-
70	L	-
70	P	-
80	W	-

JRMWF7373GB

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## ACCESSORY POWER SUPPLY

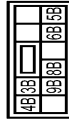
81	P	-
82	G	-
83	V	-
84	L	-
85	BG	-
86	LG	-
87	R	-
89	P	-
91	W	-
92	L	-
93	G	-
94	Y	-
96	BR	-
97	CR	-
98	LG	-
100	BG	-

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



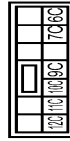
Terminal No.	Color Of Wire	Signal Name [Specification]
1A	V	-
2A	G	-
3A	L	-
4A	P	-
5A	Y	-
6A	BR	-
7A	CR	-
8A	L	-

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



Terminal No.	Color Of Wire	Signal Name [Specification]
1B	P	-
2B	G	-
3B	O	-
4B	Y	-
5B	R	-
6B	SB	-

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



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

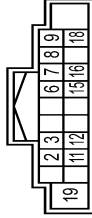
Connector No.	M6
Connector Name	WIRE TO WIPE
Connector Type	TH80MMV-CS (6-TM4)



Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
3	L	-
4	L	-
7	B	-
8	P	-
9	B	-
11	GR	-
12	R	-
13	L	-
14	G	-
15	P	-
16	W	-
17	BR	-
20	GR	-
21	R	-
31	BR	-
32	V	-
36	SB	-
37	Y	-
38	LG	-
39	SB	-
40	W	-
41	LG	-
42	R	-
43	G	-
44	G	- [With A/T]
44	R	- [With M/T]
45	O	-
46	G	-
47	BR	-
56	SHIELD	-
58	L	-
70	R	-
80	LG	-
81	GR	-
82	V	-

83	V	-
84	L	-
85	BR	-
86	Y	-
87	G	-
89	P	-
91	W	-
92	P	-
93	P	-
94	Y	-
96	P	-
97	GR	-
98	O	-
99	W	-
100	R	-

Connector No.	M28
Connector Name	AUDIO UNIT
Connector Type	TH18FW-CS2



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

A  
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I  
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K  
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PG

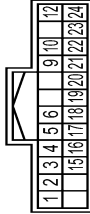
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## ACCESSORY POWER SUPPLY

Connector No.	M53
Connector Name	COMBINATION METER
Connector Type	TR24FW-NH



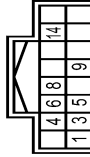
Terminal No.	Color Of Wire	Signal Name [Specification]
1	V	BATTERY POWER SUPPLY
2	O	IGNITION SIGNAL
3	L	VEHICLE SPEED SIGNAL (2-PULSE)
4	V	VEHICLE SPEED SIGNAL (PULSE) (For Meter)
4	Y	VEHICLE SPEED SIGNAL (PULSE) (For Meter)
5	B	ILLUMINATION CONTROL SIGNAL
6	R	ROOF STATUS SIGNAL
9	BR	COMMUNICATION SIGNAL (METER-TRIPLE METER)
10	L	COMMUNICATION SIGNAL (TRIPLE METER-METER)
12	G	S-MODE SWITCH SIGNAL
15	L	ACC POWER SUPPLY
16	R	AIR BAG SIGNAL
17	B	GROUND
18	V	AMBIENT SENSOR SIGNAL
19	G	A/C AUTO AMP CONNECTION RECOGNITION SIGNAL
20	GR	AMBIENT SENSOR GROUND
21	L	CAN-H
22	P	CAN-L
23	B	GROUND
24	Y	FUEL LEVEL SENSOR GROUND

Connector No.	M66
Connector Name	A/C AUTO AMP
Connector Type	SAB40FW



Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	CAN-H
2	P	CAN-L
6	L	TX (AMP CONT)
7	P	RX (AMP CONT)
10	BR	ILLUMINATION SIGNAL
11	O	EACH DOOR MOTION POWER SUPPLY
15	O	SUNLOAD SENSOR SIGNAL
16	R	INTAKE SENSOR SIGNAL
17	L	ACC POWER SUPPLY
19	B	GROUND
20	G	IGNITION POWER SUPPLY
24	O	ECV SIGNAL
26	R	REAR WINDOW DEFROGGER FEEDBACK SIGNAL
27	L	REAR WINDOW DEFROGGER ON SIGNAL
32	P	BLOWER MOTOR CONTROL SIGNAL
34	G	A/C AUTO AMP CONNECTION RECOGNITION SIGNAL
35	V	AMBIENT SENSOR SIGNAL
36	LG	IN-VEHICLE SENSOR SIGNAL
37	GR	SENSOR GROUND
39	B	GROUND
40	Y	BATTERY POWER SUPPLY

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



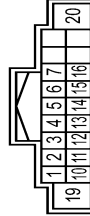
Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	GROUND
3	L	ACC
4	R	ILL
5	W	ILL CONT
6	LG	AV COMM (RH)
8	Y	AV COMM (L)
9	BR	SW GND
14	SB	DISK EFFECT SIGNAL

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



Terminal No.	Color Of Wire	Signal Name [Specification]
6	B	SHIELD
7	SHIELD	SHIELD
8	L	CAMERA IMAGE SIGNAL
9	R	COMM (DISP->CONT)
10	G	COMM (CONT->DISP)
11	Y	BATTERY
12	B	GROUND
18	G	COMPOSITE IMAGE SIGNAL
19	L	COMPOSITE IMAGE SIGNAL GND
20	Y	ACC
23	L	ACC

Connector No.	M84
Connector Name	AV CONTROL UNIT
Connector Type	TH18FW-CSZ



Terminal No.	Color Of Wire	Signal Name [Specification]
1	V	BOSE AMP_ON SIGNAL
2	LG	SOUND SIGNAL FRONT LH (+)
3	V	SOUND SIGNAL FRONT LH (-)
4	L	SOUND SIGNAL REAR LH (+)
5	R	SOUND SIGNAL REAR LH (-)
9	L	STRG SW A
7	L	ACC
10	SHIELD	SHIELD
11	L	SOUND SIGNAL FRONT RH (+)
12	P	SOUND SIGNAL FRONT RH (-)
13	R	SOUND SIGNAL REAR RH (+)
14	G	SOUND SIGNAL REAR RH (-) (Rearseater models)
14	Y	SOUND SIGNAL REAR RH (-) (Coupe models)
15	B	STRG SW GND
16	L	STRG SW B
19	Y	BATTERY
20	B	GROUND

Connector No.	M87
Connector Name	WIRE TO WIRE
Connector Type	M02MB-P-LC



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

# POWER SUPPLY ROUTING CIRCUIT

## [POWER SUPPLY&GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

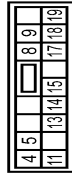
### ACCESSORY POWER SUPPLY

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



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	BAT (+/L)
2	W	POWER WINDOW POWER SUPPLY (BAT)
3	Y	POWER WINDOW POWER SUPPLY (IGN)

Connector No.	M119
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	NS18FW-GS



Terminal No.	Color Of Wire	Signal Name [Specification]
4	R	INTERIOR ROOM LAMP POWER SUPPLY
5	G	PASSENGER DOOR UNLOCK OUTPUT
8	V	ALL DOOR, FUEL LID LOCK OUTPUT
9	G	DRIVER DOOR, FUEL LID UNLOCK OUTPUT
11	BR	BAT (LUSE)
13	B	GROUND
14	R	PUSH-BUTTON, IGNITION SW ILL GND
15	Y	ACC IND
17	W	TURN SIGNAL RL (FRONT SIDE)
18	O	TURN SIGNAL LH (FRONT SIDE)
19	P	ROOM LAMP TIMER CONTROL

Connector No.	M122
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH4QFB-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
72	L	ROOM ANT 2-
73	P	ROOM ANT 2+
74	SB	PASSENGER DOOR ANT-
75	BR	PASSENGER DOOR ANT+
76	V	DRIVER DOOR ANT-
77	LG	DRIVER DOOR ANT+
78	L	ROOM ANT 1-
79	R	ROOM ANT 1+
80	GR	NATS ANT AMP
81	W	NATS ANT AMP
82	R	IGN RELAY (FBI) CONT
83	GR	KYLS ENT RECEIVER (FRONT) COMM
87	BR	COMBI SW INPUT 5
88	V	COMBI SW INPUT 3
90	P	CANL
91	L	CANH
92	LG	KEY SLOT ILL
93	V	ON IND
95	O	ACC RELAY CONT
96	Y	AT SHIFT SELECTOR POWER SUPPLY
99	R	SHIFT P/CLUTCH PEDAL POS SW
100	GR	PASSENGER DOOR REQUEST SW
101	Y	DRIVER DOOR REQUEST SW
102	O	BLOWER FAN MOTOR RELAY CONT
103	LG	KYLS ENT RECEIVER (FRONT) PWR SUPPLY
107	R	COMBI SW INPUT 4
108	R	COMBI SW INPUT 1
109	Y	COMBI SW INPUT 2
110	P	HAZARD SW

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



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

Connector No.	M251
Connector Name	WIRE TO WIRE
Connector Type	M02FB-LC



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

Connector No.	M254
Connector Name	CONSOLE POWER SOCKET
Connector Type	P02FB-Z



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

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# POWER SUPPLY ROUTING CIRCUIT

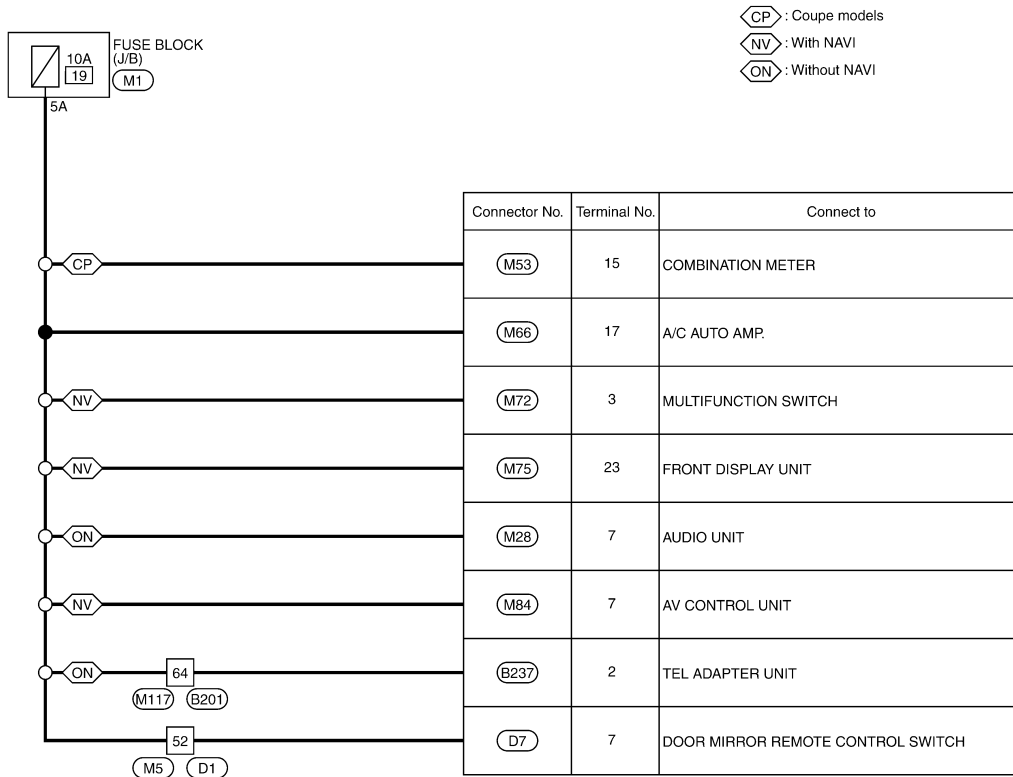
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

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

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### ACCESSORY POWER SUPPLY FUSE No. 19



2014/05/12

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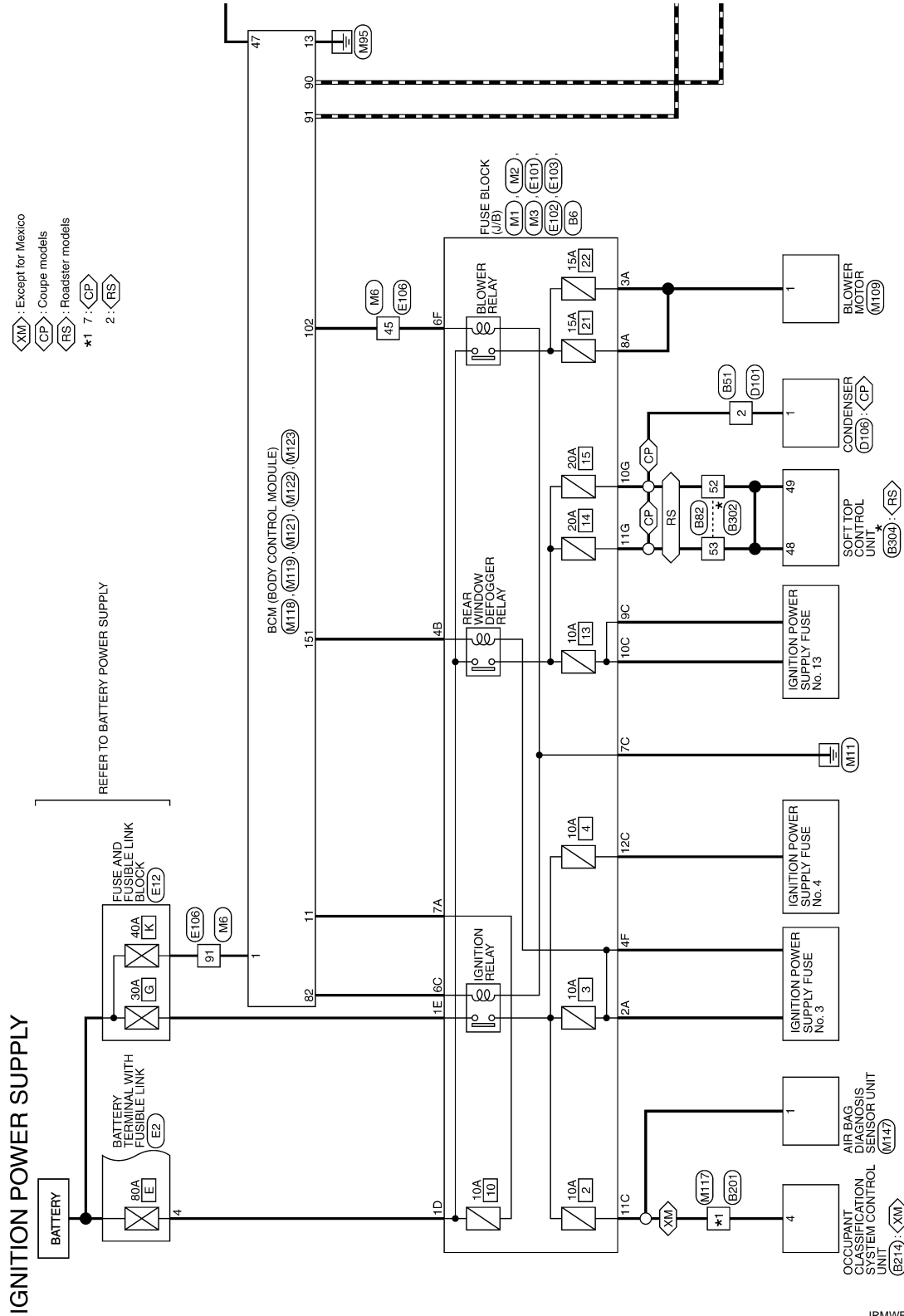
# POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY&GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

## Wiring Diagram - IGNITION POWER SUPPLY -

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

2014/05/12

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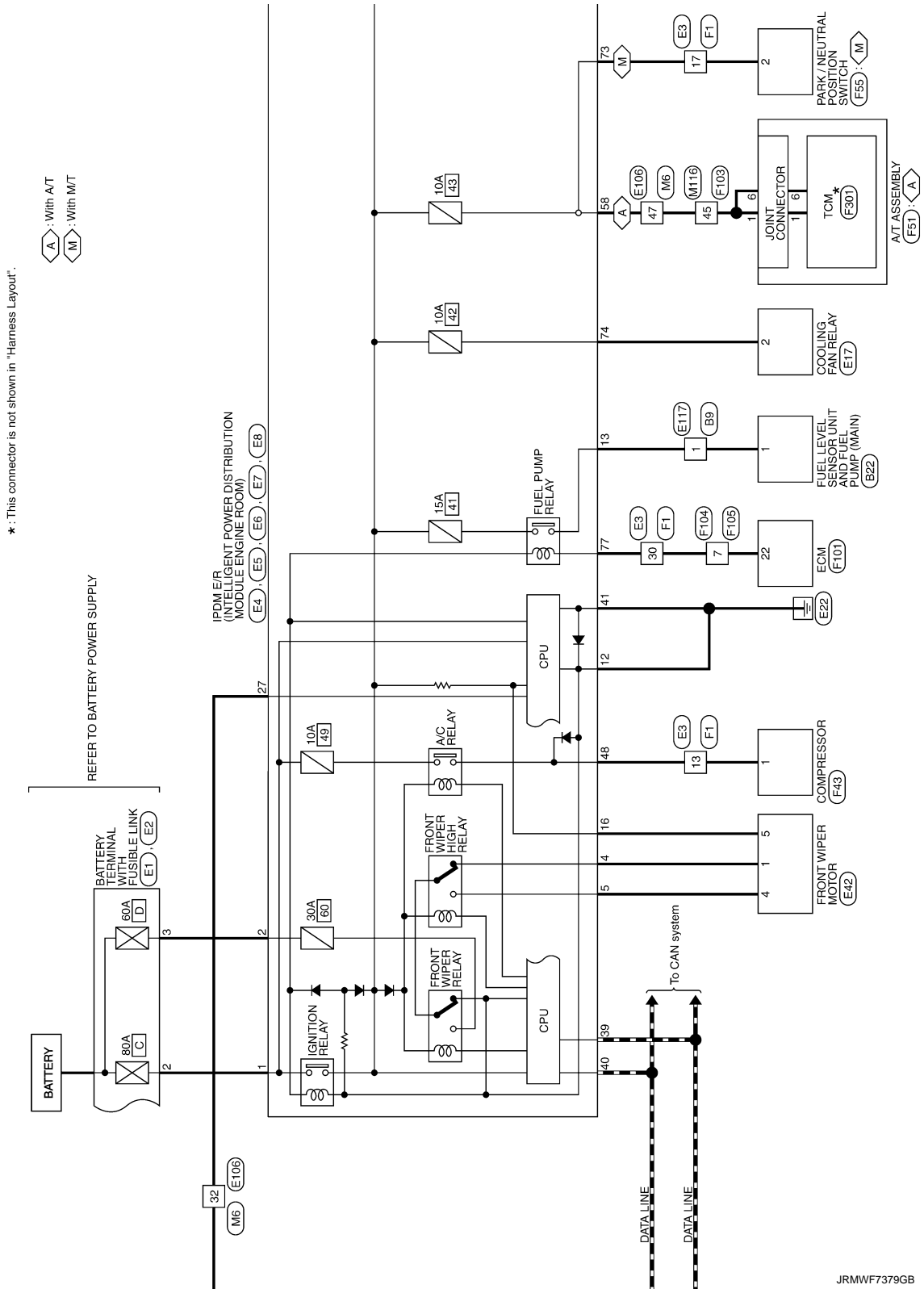
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# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]



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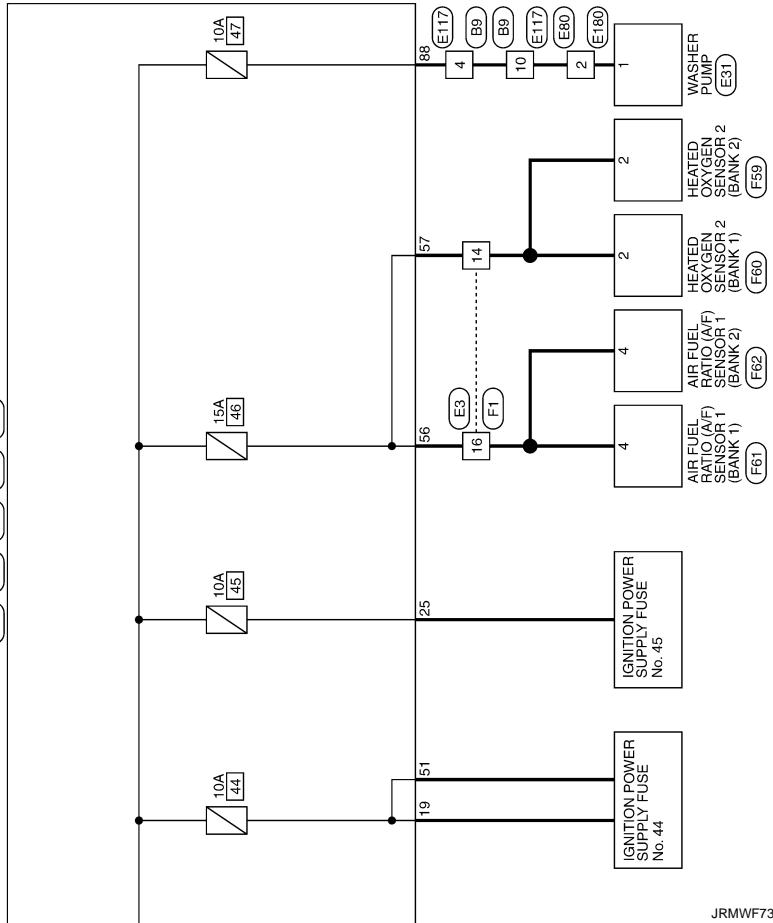


# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

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



JRMWF7380GB

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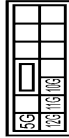
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

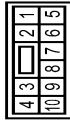
## IGNITION POWER SUPPLY

Connector No.	B6
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS12FER-CS



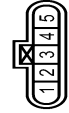
Terminal No.	Color Of Wire	Signal Name [Specification]
10G	P	- [Roastler models]
11G	W	- [Coupe models]
12G	G	- [Roastler models]
13	W	- [Roastler models]
14	Y	- [Coupe models]
15	LG	-

Connector No.	B9
Connector Name	WIRE TO WIRE
Connector Type	NS10FV-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
1	P	-
2	R	- [Coupe models]
3	Y	- [Roastler models]
4	G	-
5	GR	-
6	BG	-
7	BR	-
8	LG	-
9	R	-
10	G	-

Connector No.	B22
Connector Name	FUEL LEVEL SENSOR (WT AND FUEL PUMP MAIN)
Connector Type	ED5FGY-RS



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

Connector No.	B51
Connector Name	WIRE TO WIRE
Connector Type	MD4MW-LC



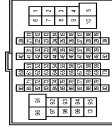
Terminal No.	Color Of Wire	Signal Name [Specification]
2	Y	-

Connector No.	B82
Connector Name	WIRE TO WIRE
Connector Type	NS16FV-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
52	P	-
53	G	-
54	R	-
55	BR	-
56	B	-
57	Y	-
58	B	-
59	B	-
60	LG	-
61	L	-
62	L	-
63	L	-
64	B	-
65	Y	-
66	Y	-

Connector No.	B201
Connector Name	WIRE TO WIRE
Connector Type	TR80FV-CS16-TM4



Terminal No.	Color Of Wire	Signal Name [Specification]
2	BR	- [Coupe models]
3	R	- [Roastler models]
4	B	- [Roastler models]
5	Y	- [Coupe models]
6	G	-

7	R	- [Coupe models]
8	Y	- [Roastler models]
9	LG	-
11	R	-
20	G	-
30	B	-
40	W	-
41	V	-
42	G	-
43	L	-
44	SB	-
51	P	-
52	L	-
53	SHIELD	-
54	BR	-
55	Y	-
56	SHIELD	-
57	G	- [Coupe models]
58	P	- [Roastler models]
59	L	- [Roastler models]
60	R	- [Coupe models]
61	W	-
62	GR	-
63	Y	-
64	V	-
65	SB	-
66	BG	-
67	V	-
68	P	-
69	L	-
70	G	-
71	B	- [Roastler models]
72	L	- [Coupe models]
73	L	- [Roastler models]
74	P	- [Coupe models]
75	B	- [Roastler models]
76	B	- [Coupe models]
77	W	- [Roastler models]
82	LG	- [Roastler models]
86	SB	- [Coupe models]
93	V	- [Coupe models]

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## IGNITION POWER SUPPLY

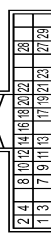
93	W	- [Roadster models]
94	G	- [Roadster models]
94	SHIELD	- [Coupe models]
95	GR	- [Coupe models]
95	LG	- [Roadster models]
97	LG	- [Coupe models]
97	Y	- [Roadster models]
98	Y/B	- [Roadster models]
99	G	- [Coupe models]
100	BR	- [Coupe models]
100	Y	- [Roadster models]

Connector No.	B214
Connector Name	OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT
Connector Type	TH432FW-NH



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

Connector No.	B237
Connector Name	TEL ADAPTER UNIT
Connector Type	TH432FW-NH



Terminal No.	Wire	Signal Name [Specification]
1	Y	BATTERY
2	V	ACC
3	SB	IGNITION SIGNAL

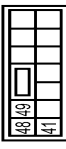
4	B	GROUND
7	L	MICROPHONE SIGNAL
8	SHIELD	MICROPHONE GND
9	BR	TEL VOICE SIGNAL (+)
10	Y	TEL VOICE SIGNAL (-)
11	BG	TELEPHONE ON SIGNAL
12	P	STRG SW A (INPUT)
13	L	STRG SW B (INPUT)
14	B	STRG SW GND (INPUT)
16	R	ROOF STATUS SIGNAL (AUDIO)
17	W	STRG SW A (OUTPUT)
18	GR	STRG SW B (OUTPUT)
19	B	STRG SW GND (OUTPUT)
20	L	CONTROL SIGNAL
21	B	CONT2 [Roadster models]
21	V	CONT1 [Coupe models]
22	P	CONTROL SIGNAL
23	P	CONT4
27	W	CONT5
28	V	VEHICLE SPEED SIGNAL (8-PULSE)
29	P	MICROPHONE VCC

Connector No.	B502
Connector Name	WIRE TO WIRE
Connector Type	NS16MW-CS



Terminal No.	Wire	Signal Name [Specification]
52	R	-
53	R	-
55	V	-
56	B	-
57	B	-
58	SB	-
59	DC	-
60	DC	-
61	R	-
62	R	-
63	R	-
64	B	-
65	R	-

Terminal No.	Wire	Signal Name [Specification]
66	R	-



Terminal No.	Wire	Signal Name [Specification]
41	DG	TRUNK OPENER ACTUATOR
46	R	REAR WINDOW DEF IN 2
49	R	REAR WINDOW DEF IN 1

Connector No.	D3
Connector Name	DOOR MIRROR (DRIVER SIDE)
Connector Type	TH408MW-NH



Terminal No.	Wire	Signal Name [Specification]
1	BR	-
2	L	-
3	Y	-
4	L	-
8	B	-

Connector No.	D33
Connector Name	DOOR MIRROR (PASSENGER SIDE)
Connector Type	TH408MW-NH



Terminal No.	Wire	Signal Name [Specification]
1	BG	-
2	GR	-
3	L	-
4	L	-
8	B	-

Connector No.	D101
Connector Name	WIRE TO WIRE
Connector Type	IM04FW-LC



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

JRMWF7382GB

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O  
P

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## IGNITION POWER SUPPLY

Connector No.	D105
Connector Name	CONDENSER
Connector Type	M01FW-LC



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

Connector No.	E1
Connector Name	BATTERY TERMINAL WITH FUSIBLE LINK
Connector Type	LO2FBR-MC



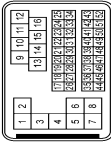
Terminal No.	1	R	-	-	-
Color Of Wire	R	-	-	-	-
Signal Name [Specification]					

Connector No.	E2
Connector Name	BATTERY TERMINAL WITH FUSIBLE LINK
Connector Type	LO2FGY-MC



Terminal No.	3	L	-	-	-
Color Of Wire	L	-	-	-	-
Signal Name [Specification]					

Connector No.	E3
Connector Name	WIRE TO WIRE
Connector Type	SAA35MB-RSS-SHZ8



Terminal No.	1	L/F	-	-	-
Color Of Wire	L/F	-	-	-	-
Signal Name [Specification]					

Connector No.	E4
Connector Name	POWER INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	LO2FBR-MC



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

Connector No.	E5
Connector Name	POWER INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	TR02FW-CS12-M4-1V



Terminal No.	4	V	-	-	-
Color Of Wire	V	-	-	-	-
Signal Name [Specification]					
Terminal No.	5	L	-	-	-
Color Of Wire	L	-	-	-	-
Signal Name [Specification]	- [Course models]				
Terminal No.	7	R	-	-	-
Color Of Wire	R	-	-	-	-
Signal Name [Specification]	- [Roadster models]				
Terminal No.	12	BW	-	-	-
Color Of Wire	BW	-	-	-	-
Signal Name [Specification]					
Terminal No.	16	LG	-	-	-
Color Of Wire	LG	-	-	-	-
Signal Name [Specification]					
Terminal No.	19	W	-	-	-
Color Of Wire	W	-	-	-	-
Signal Name [Specification]					
Terminal No.	25	G	-	-	-
Color Of Wire	G	-	-	-	-
Signal Name [Specification]					
Terminal No.	27	Y	-	-	-
Color Of Wire	Y	-	-	-	-
Signal Name [Specification]					
Terminal No.	28	L	-	-	-
Color Of Wire	L	-	-	-	-
Signal Name [Specification]					
Terminal No.	30	GR	-	-	-
Color Of Wire	GR	-	-	-	-
Signal Name [Specification]					
Terminal No.	36	G	-	-	-
Color Of Wire	G	-	-	-	-
Signal Name [Specification]					

Connector No.	E6
Connector Name	POWER INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	TR08FW-NH



Terminal No.	39	P	-	-	-
Color Of Wire	P	-	-	-	-
Signal Name [Specification]					
Terminal No.	40	L	-	-	-
Color Of Wire	L	-	-	-	-
Signal Name [Specification]					
Terminal No.	41	BW	-	-	-
Color Of Wire	BW	-	-	-	-
Signal Name [Specification]					
Terminal No.	42	Y	-	-	-
Color Of Wire	Y	-	-	-	-
Signal Name [Specification]					
Terminal No.	43	SB	-	-	-
Color Of Wire	SB	-	-	-	-
Signal Name [Specification]					
Terminal No.	44	W	-	-	-
Color Of Wire	W	-	-	-	-
Signal Name [Specification]					
Terminal No.	45	G	-	-	-
Color Of Wire	G	-	-	-	-
Signal Name [Specification]					

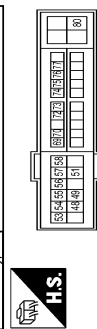
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

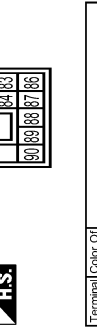
## IGNITION POWER SUPPLY

Connector No.	E7
Connector Name	IPZM E/R INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	TH20FW-CST12-M4



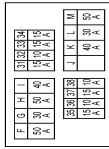
Terminal No.	Color Of Wire	Signal Name [Specification]
46	LC	-
48	BG	-
51	Y	-
53	W	-
54	V	-
55	SB	-
56	LG	-
57	G	-
58	P	-
69	BR	-
70	BG	-
72	GR	-
73	GR	-
74	G	-
75	SB	-
76	Y	-
77	R	-
80	W	-

Connector No.	EB
Connector Name	IPZM E/R INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	NS08FW-CS



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

Connector No.	E12
Connector Name	FUSE AND FUSIBLE LINK BLOCK
Connector Type	24331_7990A



Terminal No.	Color Of Wire	Signal Name [Specification]
31	SB	-
32	V	-
33	Y	-
34	Y	-
35	LG	-
36	R	-
37	R	-
38	P	-
E	W	-
G	G	-
H	G	-
I	Y	-
K	W	-

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M	R

Connector No.	E17
Connector Name	COOLING FAN RELAY
Connector Type	24347_SF900



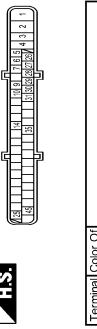
Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
2	G	-
3	W	-
5	R	-

Connector No.	E31
Connector Name	WASHER PUMP
Connector Type	ED2FGY-RS



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

Connector No.	E41
Connector Name	ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT)
Connector Type	BAA42FB-A1Z4-LH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	GROUND
2	G	LEVER
3	R	LEVER
4	B	GROUND
5	Y	DS FL
6	BG	DP RL
7	BR	DP RR
9	B	DP FR
10	W	DS FR
14	P	CANL
25	Y	BUS-L
26	LG	DF FL
27	GR	DS RL
28	G	UZ
29	P	DS RR
30	SB	BLS
31	R	VDC OFF SW
35	L	CAN-H
45	B	BUS-H

Connector No.	E42
Connector Name	FRONT WIPER MOTOR
Connector Type	HS5FGY



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# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## IGNITION POWER SUPPLY

Terminal No.	Color Of Wire	Signal Name [Specification]
1	V	-
2	B	- [Roadster models]
4	B/W	- [Coupe models]
5	LG	-

Connector No.	E65
Connector Name	CLIMATE CONTROLLED SEAT RELAY
Connector Type	M06FBR-R-LC



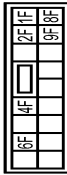
Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
2	G	-
3	Y	-
5	LG	-
6	L	-
7	R	-

Connector No.	E80
Connector Name	WIRE TO WIRE
Connector Type	RS06MB-FR



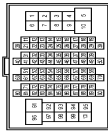
Terminal No.	Color Of Wire	Signal Name [Specification]
1	LG	-
2	R	-
4	BG	-
5	B	-
6	L	-

Connector No.	E103
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS16FY-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
1F	SB	-
2F	W	-
4F	G	-
6F	BG	-
8F	L	- [Coupe models]
9F	V	- [Roadster models]

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



Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
3	L	-
4	L	-
7	B	-
8	P	-
9	B	-
11	V	-
12	R	-
13	L	-
14	GR	-
15	P	-
16	W	-
17	SB	-

20	LG	-
21	BR	- [Coupe models]
31	G	- [Roadster models]
32	Y	-
36	V	-
37	R	-
38	R	-
39	B	-
40	W	-
41	LG	-
42	SB	-
43	G	-
44	GR	- [Except for roadster models with M/T]
44	R	- [Roadster models with M/T]
45	BG	-
46	W	-
47	P	-
56	SHIELD	-
58	L	-
70	P	-
80	W	-
81	P	-
82	G	-
83	V	-
84	L	-
85	BG	-
86	LG	-
87	R	-
89	P	-
91	W	-
92	L	-
93	G	-
94	Y	-
96	Y	-
97	BR	-
98	GR	-
99	LG	-
100	BG	-

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## IGNITION POWER SUPPLY

Connector No.	E108
Connector Name	CLUTCH PEDAL POSITION SWITCH
Connector Type	IS2FL



Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	- [Without SynchronRev Match mode] - [With SynchronRev Match mode]
2	SB	- [Without SynchronRev Match mode] - [With SynchronRev Match mode]

Connector No.	E109
Connector Name	ASCD BRAKE SWITCH
Connector Type	IS2FL



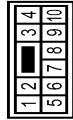
Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	- [With MT without SynchronRev Match mode] - [With AT or with MT and SynchronRev Match mode]
2	SB	-

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



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

Connector No.	E117
Connector Name	WIRE TO WIRE
Connector Type	NS10MW-GS



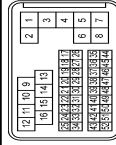
Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
2	R	-
3	Y	-
4	G	-
5	GR	-
6	BG	-
7	BR	-
8	P	-
9	R	-
10	R	-

Connector No.	E180
Connector Name	WIRE TO WIRE
Connector Type	RS08FB-PR



Terminal No.	Color Of Wire	Signal Name [Specification]
1	LG	-
2	R	-
4	BG	-
5	B	-
6	L	-
8	B	-

Connector No.	F1
Connector Name	WIRE TO WIRE
Connector Type	ISAA36FB-RSF-SHZB



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

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

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# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## IGNITION POWER SUPPLY

Connector No.	F43
Connector Name	COMPRESSOR
Connector Type	RS20FE



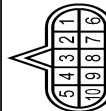
Terminal No.	Color	Wire	Signal Name [Specification]
1	O		MAGNET CLUTCH-POWER SUPPLY

Connector No.	F44
Connector Name	COMPRESSOR
Connector Type	RK02FGY



Terminal No.	Color	Wire	Signal Name [Specification]
2	Y		ECV POWER SUPPLY
3	O		ECV SIGNAL

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



Terminal No.	Color	Wire	Signal Name [Specification]
1	Y		IGNITION POWER SUPPLY
2	BR		BATTERY POWER SUPPLY/MEMORY(BACK-UP)
3	L		CAN-H
4	V		K-LINE
5	B		GROUND
6	Y		IGNITION POWER SUPPLY
7	W		BACK-UP LAMP RELAY
8	P		CAN-L
9	GR		STARTER RELAY
10	B		GROUND

Connector No.	F55
Connector Name	PARK / NEUTRAL POSITION SWITCH
Connector Type	RK02FE



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

Connector No.	F56
Connector Name	BACK-UP LAMP SWITCH
Connector Type	RK02FE



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

Connector No.	F59
Connector Name	HEATED OXYGEN SENSOR 2 (BANK 2)
Connector Type	RH04MB



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

Connector No.	F60
Connector Name	HEATED OXYGEN SENSOR 2 (BANK 1)
Connector Type	RH04MB



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

Connector No.	F61
Connector Name	AIR FUEL RATIO (AFI) SENSOR (BANK 1)
Connector Type	RH04FDGY-P



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

Connector No.	F62
Connector Name	AIR FUEL RATIO (AFI) SENSOR (BANK 2)
Connector Type	RH04FDGY-P



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

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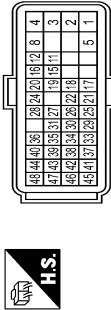
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## IGNITION POWER SUPPLY

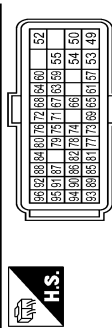
Connector No.	F101
Connector Name	ECM
Connector Type	RH40FERR-Z8-L-LH-Z



Terminal No.	Color Of Wire	Signal Name [Specification]
1	O	A/F SENSOR 1 HEATER (BANK 1)
2	G	THROTTLE CONTROL MOTOR (OPEN) (BANK 1)
3	R	THROTTLE CONTROL MOTOR (CLOSE) (BANK 1)
4	BR	THROTTLE CONTROL MOTOR (POWER SUPPLY) (BANK 1)
5	W	A/F SENSOR 1 HEATER (BANK 2)
8	B	ECM GROUND
11	GR	IGNITION SIGNAL NO. 4
12	L	IGNITION SIGNAL NO. 3
15	V	IGNITION SIGNAL NO. 5
16	G	IGNITION SIGNAL NO. 2
17	P	HEATED OXYGEN SENSOR 2 HEATER (BANK 1)
18	W	INTAKE VALVE TRIMMING CONTROL SOLENOID VALVE (BANK 1)
19	SB	IGNITION SIGNAL NO. 6
20	Y	IGNITION SIGNAL NO. 1
21	GR	LEWP-CAMSHAFT PULSE VOLUME CONTROL SOLENOID VALVE
22	R	FUEL PUMP RELAY
24	P	ECM RELAY (SELF SHUT-OFF)
25	O	THROTTLE CONTROL MOTOR RELAY
26	W	GEAR LEVER POSITION SENSOR X-AXIS
27	G	GEAR LEVER POSITION SENSOR Y-AXIS
28	BR	OVER-DRIVE MOTOR RELAY (ASSET SIGNAL OVER CONTROL MODE)
29	G	INTAKE VALVE TRIMMING CONTROL SOLENOID VALVE (BANK 2)
30	Y	THROTTLE POSITION SENSOR 1 (BANK 1)
31	R	THROTTLE POSITION SENSOR 1 (BANK 2)
33	SB	HEATED OXYGEN SENSOR 2 HEATER (BANK 2)
34	B	THROTTLE POSITION SENSOR 2 (BANK 1)
35	W	THROTTLE POSITION SENSOR 2 (BANK 2)
36	O	SENSOR GROUND
37	W	CRANKSHAFT POSITION SENSOR (POS)
38	O	MANIFOLD ABSOLUTE PRESSURE (MAP) SENSOR
38	P	MASS AIR FLOW SENSOR (BANK 1)
38	P	MASS AIR FLOW SENSOR (BANK 2)
40	R	SENSOR GROUND
41	SB	CLUTCH PEDAL POSITION SENSOR
42	GR	CLUTCH INTERLOCK SWITCH
43	G	SENSOR POWER SUPPLY
44	L	SENSOR POWER SUPPLY

45	LG	SENSOR POWER SUPPLY
46	R	SENSOR POWER SUPPLY
47	Y	SENSOR GROUND
48	B	SENSOR GROUND

Connector No.	F102
Connector Name	ECM
Connector Type	RH40FERR-Z8-L-LH-Z

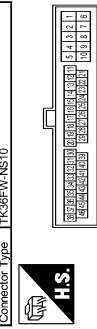


Terminal No.	Color Of Wire	Signal Name [Specification]
48	GR	THROTTLE CONTROL MOTOR (CLOSE) (BANK 2)
50	V	THROTTLE CONTROL MOTOR (OPEN) (BANK 2)
52	R	THROTTLE CONTROL MOTOR (POWER SUPPLY) (BANK 2)
53	W	IGNITION SWITCH
54	Y	ENGINE COMMUNICATION LINE
55	LG	ENGINE COMMUNICATION LINE
57	L	A/F SENSOR 1 (BANK 1)
58	O	CAMSHAFT POSITION SENSOR (PHASE) (BANK 1)
60	G	SENSOR POWER SUPPLY
61	R	A/F SENSOR 1 (BANK 1)
63	L	CAMSHAFT POSITION SENSOR (PHASE) (BANK 2)
64	SB	SENSOR POWER SUPPLY
65	LG	A/F SENSOR 1 (BANK 2)
66	V	A/F SENSOR 1 (BANK 2)
67	P	INTAKE AIR TEMPERATURE SENSOR (BANK 1)
68	LG	SENSOR GROUND
69	W	KNOCK SENSOR (BANK 2)
71	Y	ENGINE COOLANT TEMPERATURE SENSOR
72	SHIELD	SENSOR GROUND
73	W	KNOCK SENSOR (BANK 1)
74	L	SENSOR POWER SUPPLY
75	W	INPUT SPEED SENSOR
76	W	HEATED OXYGEN SENSOR 2 (BANK 1)
76	SB	MASS AIR FLOW SENSOR (BANK 1)
76	C	ENGINE OIL TEMPERATURE SENSOR
78	G	MASS AIR FLOW SENSOR (BANK 2)
78	BR	MASS AIR FLOW SENSOR (BANK 2)
80	O	HEATED OXYGEN SENSOR 2 (BANK 2)
81	R	FUEL INJECTOR NO. 3
82	V	FUEL INJECTOR NO. 6
84	B	SENSOR GROUND

85	BR	FUEL INJECTOR NO. 2
86	W	FUEL INJECTOR NO. 5
87	Y	POWER STEERING PRESSURE SENSOR
88	R	SENSOR GROUND
89	GR	FUEL INJECTOR NO. 1
90	O	FUEL INJECTOR NO. 4
91	SB	BATTERY CURRENT SENSOR
92	G	SENSOR GROUND
93	P	POWER SUPPLY FOR ECM (BACK-UP)
94	Y	SENSOR GROUND
95	G	SENSOR GROUND
96	P	SENSOR GROUND

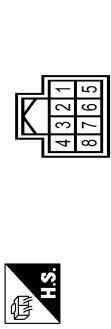


Connector No.	F103
Connector Name	WIRE TO WIRE
Connector Type	TK38FIV-NS-0



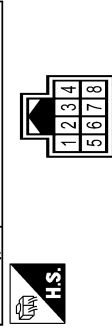
Terminal No.	Color Of Wire	Signal Name [Specification]
2	G	SENSOR GROUND
3	W	SENSOR GROUND
4	R	SENSOR GROUND
5	B	SENSOR GROUND
8	L	SENSOR GROUND
9	Y	SENSOR GROUND
10	GR	SENSOR GROUND
19	O	SENSOR GROUND
20	Y	SENSOR GROUND
28	B	SENSOR GROUND
28	LG	SENSOR GROUND
30	R	SENSOR GROUND
31	O	SENSOR GROUND
38	W	SENSOR GROUND
42	G	SENSOR GROUND
43	P	SENSOR GROUND
44	L	SENSOR GROUND
44	Y	SENSOR GROUND
46	V	SENSOR GROUND

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



Terminal No.	Color Of Wire	Signal Name [Specification]
1	P	SENSOR GROUND
2	V	SENSOR GROUND
3	L	SENSOR GROUND
4	Y	SENSOR GROUND
6	GR	SENSOR GROUND
7	R	SENSOR GROUND
8	O	SENSOR GROUND

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



Terminal No.	Color Of Wire	Signal Name [Specification]
1	P	SENSOR GROUND
2	V	SENSOR GROUND
3	L	SENSOR GROUND
4	Y	SENSOR GROUND
6	GR	SENSOR GROUND
7	R	SENSOR GROUND
8	O	SENSOR GROUND

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# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## IGNITION POWER SUPPLY

Connector No.	F121
Connector Name	FUEL INJECTOR No. 1
Connector Type	HS0ZFGY



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

Connector No.	F122
Connector Name	FUEL INJECTOR No. 2
Connector Type	HS0ZFGY



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

Connector No.	F123
Connector Name	FUEL INJECTOR No. 3
Connector Type	HS0ZFGY



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

Connector No.	F124
Connector Name	FUEL INJECTOR No. 4
Connector Type	HS0ZFGY



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

Connector No.	F125
Connector Name	FUEL INJECTOR No. 5
Connector Type	HS0ZFGY



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

Connector No.	F126
Connector Name	FUEL INJECTOR No. 6
Connector Type	HS0ZFGY



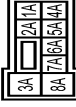
Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	-
2	V	-

Connector No.	F301
Connector Name	TCM
Connector Type	SP10FG



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	IGNITION POWER SUPPLY
2	B	BATTERY POWER SUPERVISE MEMORY BACK-UP
3	R	CAN-H
4	O	K LINE
5	G	GROUND
9	GR	IGNITION POWER SUPPLY
7	L	BACK-UP LAMP RELAY
8	BR	CANL
9	Y	STARTER RELAY
10	W/B	GROUND

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



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

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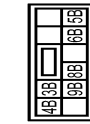
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

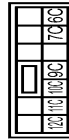
## IGNITION POWER SUPPLY

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



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

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



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

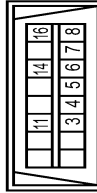
Connector No.	M6
Connector Name	WIRE TO WIPE
Connector Type	TH80MM-CS (6-TM4)



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

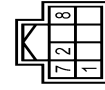
83	V	-
84	L	-
85	BR	-
86	Y	-
87	G	-
88	P	-
89	W	-
90	P	-
91	P	-
92	P	-
93	P	-
94	Y	-
95	P	-
96	P	-
97	GR	-
98	O	-
99	W	-
100	R	-

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



Terminal No.	Color Of Wire	Signal Name [Specification]
3	LG	- [Coupe models]
4	Y	- [Roadster models]
5	B	-
6	L	-
7	Y	-
8	G	-
11	Y	- [Roadster models]
14	P	- [Coupe models]
16	Y	-

Connector No.	M37
Connector Name	STEERING ANGLE SENSOR
Connector Type	TH26FW-NH



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

Connector No.	M53
Connector Name	COMBINATION METER
Connector Type	TH26FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	V	BATTERY POWER SUPPLY
2	O	IGNITION SIGNAL
3	L	VEHICLE SPEED SIGNAL (2-PULSE)
4	Y	VEHICLE SPEED SIGNAL (8-PULSE) (For Mexico)
5	B	VEHICLE SPEED SIGNAL (8-PULSE) (Based for Mexico)
6	R	ILLUMINATION CONTROL SIGNAL
9	BR	ROOF STATUS SIGNAL
10	L	COMBINATION SIGNAL METER-SPRINKLE METER
12	G	COMBINATION SIGNAL METER-SELES-METER
15	L	S MODE SWITCH SIGNAL
16	L	ACC-POWER SUPPLY
17	B	AIR BAG SIGNAL
18	V	GROUND
19	G	AMBIENT SENSOR SIGNAL
20	GR	AC-AUTOAMP CONNECTION RECOMBINATION SIGNAL
		AMBIENT SENSOR GROUND

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P

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## IGNITION POWER SUPPLY

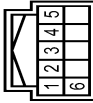
21	L	CANH
22	P	CANL
23	B	GROUND
24	Y	FUEL LEVEL SENSOR GROUND

Connector No.	M66
Connector Name	A/C AUTO AMP.
Connector Type	SAB40FW



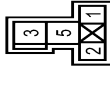
Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	CANH
2	P	CANL
6	L	TX (AMP. CONT)
7	P	RX (CONT. AMP)
10	BR	LAN SIGNAL
11	Y	EACH DOOR MOTOR POWER SUPPLY
15	O	SUNLOAD SENSOR SIGNAL
16	R	INTAKE SENSOR SIGNAL
17	L	ACC POWER SUPPLY
19	B	GROUND
20	G	IGNITION POWER SUPPLY
24	O	ECV SIGNAL
26	R	REAR WINDOW DEFOGGER FEEDBACK SIGNAL
27	L	REAR WINDOW DEFOGGER ON SIGNAL
32	P	BLOWER MOTOR CONTROL SIGNAL
34	G	A/C AUTO AMP. CONNECTION RECOGNITION SIGNAL
35	V	AMBIENT SENSOR SIGNAL
36	LG	IN-VEHICLE SENSOR SIGNAL
37	GR	SENSOR GROUND
39	B	GROUND
40	Y	BATTERY POWER SUPPLY

Connector No.	M67
Connector Name	A/C CONTROL
Connector Type	TH10FB-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	IGNITION POWER SUPPLY
2	R	ILL+
3	W	ILL-
4	P	TX (SW. AMP)
5	L	RX (AMP. SW)
6	B	GROUND

Connector No.	M69
Connector Name	BACK-UP LAMP RELAY
Connector Type	MSD2FL-M2-LC



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

Connector No.	M70
Connector Name	HEATED SEAT RELAY
Connector Type	MSD2FL-M2-LC



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

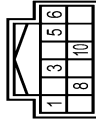
Connector No.	M86
Connector Name	AV CONTROL UNIT
Connector Type	TH32FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
65	O	PARKING BRAKE SIGNAL
67	L	COMPOSITE IMAGE GND
68	G	COMPOSITE IMAGE SIGNAL
71	SHIELD	MICROPHONE GND
72	R	MICROPHONE VCC
73	G	COMM. (CONT. DISP)
74	P	CANL
75	LG	AV COMM (L)
76	LG	AV COMM (L)
78	R	ILL+
80	G	IGNITION SIGNAL
81	O	REVERSE SIGNAL
82	Y	VEHICLE SPEED SIGNAL (8 PULSE)
83	B	SHIELD
84	Y	SHIELD
87	G	MICROPHONE SIGNAL

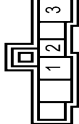
89	R	COMM. (DISP. CONT)
90	L	CANH
91	Y	AV COMM (H)
92	Y	AV COMM (H)

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



Terminal No.	Color Of Wire	Signal Name [Specification]
1	LG	EPS SOL+
3	G	IGN
5	B	EPS SOL-
6	B	GROUND
8	L	VEHICLE SPEED (2P)
10	R	ENG TACHO

Connector No.	M109
Connector Name	BLOWER MOTOR
Connector Type	NS03FW-M3



Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	BLOWER MOTOR POWER SUPPLY
2	P	BLOWER MOTOR CONTROL SIGNAL
3	B	SENSOR GROUND

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# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## IGNITION POWER SUPPLY

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



Terminal No.	Color Of Wire	Signal Name [Specification]
2	W	- [Coupe models]
3	BG	- [Roadster models]
3	O	- [Roadster models]
4	W	- [Coupe models]
5	B	- [Coupe models]
8	L	- [Coupe models]
9	Y	- [Roadster models]
10	R	- [Roadster models]
19	O	- [Coupe models]
20	G	- [Coupe models]
28	B	- [Coupe models]
29	LG	- [Coupe models]
30	LG	- [Coupe models]
31	O	- [Coupe models]
39	G	- [Coupe models]
42	G	- [Coupe models]
43	P	- [Coupe models]
44	L	- [Coupe models]
45	BR	- [Coupe models]
46	V	- [Coupe models]

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



Terminal No.	Color Of Wire	Signal Name [Specification]
2	GR	- [Coupe models]
2	LG	- [Roadster models]
3	O	- [Roadster models]
3	O	- [Coupe models]
4	W	- [Coupe models]
7	LG	- [Coupe models]
7	Y	- [Roadster models]
8	LG	- [Coupe models]
9	Y	- [Coupe models]
11	R	- [Coupe models]
20	G	- [Coupe models]
21	R	- [Coupe models]
30	B	- [Coupe models]
40	O	- [Coupe models]
41	Y	- [Coupe models]
42	G	- [Coupe models]
43	L	- [Coupe models]
44	SB	- [Coupe models]
51	R	- [Coupe models]
52	G	- [Coupe models]
53	SHIELD	- [Coupe models]
54	LG	- [Coupe models]
55	V	- [Coupe models]
56	SHIELD	- [Coupe models]
57	G	- [Roadster models]
57	P	- [Roadster models]
58	L	- [Coupe models]
58	R	- [Coupe models]
60	W	- [Coupe models]
61	GR	- [Coupe models]
62	B	- [Coupe models]
63	Y	- [Coupe models]
64	L	- [Coupe models]
65	G	- [Coupe models]
66	O	- [Coupe models]

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



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	BAT (FL)
2	W	POWER WINDOW POWER SUPPLY (BAT)
3	Y	POWER WINDOW POWER SUPPLY (IGN)

Connector No.	M119
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	NS18FW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
4	R	INTERIOR ROOM LAMP POWER SUPPLY
5	G	PASSENGER DOOR UNLOCK OUTPUT
8	V	ALL DOOR FUEL ID LOCK OUTPUT
9	G	DRIVER DOOR FUEL ID UNLOCK OUTPUT
11	BR	BAT (FUSE)
13	B	GROUND
14	R	PUSHBUTTON IGNITION SW ILL GND
15	Y	ACC IND
17	W	TURN SIGNAL RH (FRONT, SIDE)
18	O	TURN SIGNAL LH (FRONT, SIDE)
19	P	ROOM LAMP TIMER CONTROL

Connector No.	M121
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FY-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
34	G	LUGGAGE/TRUNK ROOM ANT-
35	R	LUGGAGE/TRUNK ROOM ANT+
38	B	REAR BUMPER ANT-
39	W	REAR BUMPER ANT+
27	V	IGN RELAY (BDA/ER) CONT
52	SB	STARTER RELAY CONT
60	BR	PUSH SW
61	W	BACK DOOR/TRUNK LID DOOR REQUEST SW
64	G	1-KEY WARN BUZZER (ENG ROOM)

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# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

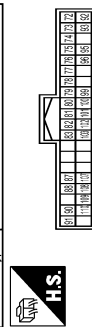
[POWER SUPPLY&GROUND CIRCUIT]

## IGNITION POWER SUPPLY

66	R	BACK DOOR/TRUNK ROOM LAMP SW
67	GR	BACK DOOR/TRUNK LID OPENER SW

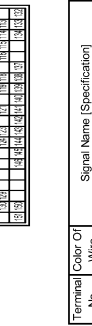
  

Connector No.	M122
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FB-NH



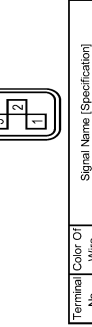
Terminal No.	Color Of Wire	Signal Name [Specification]
72	L	ROOM ANT 2
73	P	ROOM ANT 2
74	SB	PASSENGER DOOR ANT-
75	BR	PASSENGER DOOR ANT+
76	V	DRIVER DOOR ANT-
77	LG	DRIVER DOOR ANT+
78	L	ROOM ANT 1
79	R	ROOM ANT 1
80	GR	NATS ANT AMP
81	W	NATS ANT AMP
82	R	IGN RELAY (FBI) CONT
83	GR	KYLS ENT RECEIVER (FRONT) COMM
87	BR	COMB SW INPUT 5
88	V	COMB SW INPUT 3
90	P	CAN-L
91	L	CAN-H
92	LG	KEY SLOT LL
93	V	ON IND
95	O	ACC RELAY CONT
96	R	AT SHIFT SELECTOR POWER SUPPLY
100	GR	SHIFT P/CLUTCH PEDAL POS SW
101	Y	PASSENGER DOOR REQUEST SW
102	O	DRIVER DOOR REQUEST SW
103	LG	BLOWER FAN MOTOR RELAY CONT
107	LG	KYLS ENT RECEIVER (FRONT) PWR SUPPLY
108	R	COMB SW INPUT 1
109	Y	COMB SW INPUT 4
110	P	HAZARD SW

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



Terminal No.	Color Of Wire	Signal Name [Specification]
113	O	OPTICAL SENSOR
114	R	CLUTCH INTERLOCK SW
115	O	STOP LAMP SW 1
116	SB	STOP LAMP SW 2
117	P	DR DOOR UNLOCK SENSOR
121	R	KEY SLOT SW
123	W	IGN/FB
124	LG	PASSENGER DOOR SW
129	O	TRUNK LID OPENER CANCEL SW
130	L	REAR DEFROGGER SW
132	V	PWR SW & SOFT TOP CUI COMM (passenger models)
133	G	PUSH BUTTON IGNITION SW (LL POWER)
134	GR	LOCK IND
137	P	RECEIVER SENSOR GND
138	V	RECEIVER & SENSOR POWER SUPPLY
139	L	TIRE PRESS RECEIV COMM
140	G	FIN POSITION
141	Y	SECURITY INDICATOR
142	O	COMBI SW OUTPUT 5
143	P	COMBI SW OUTPUT 1
144	G	COMBI SW OUTPUT 2
145	L	COMBI SW OUTPUT 3
146	SB	COMBI SW OUTPUT 4
150	GR	DRIVER DOOR SW
151	G	REAR WINDOW DEFROGGER RELAY CONT

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



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

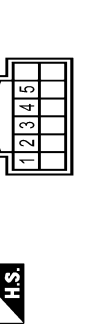
Connector No.	M147
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	IN28FY-EX



Terminal No.	Color Of Wire	Signal Name [Specification]
1	LG	IGN
2	B	GND
3	Y	DR 1 (+)
4	Y	DR 1 (-) DR 2 (-)
5	Y	DR 2 (+)
6	Y	AS 1 (+)
7	Y	AS 1 (-)
8	Y	AS 2 (+)
9	Y	AS 2 (-)
18	R	ECZS (+)
19	L	ECZS (-)
22	SHIELD	GND
23	R	AIRBAG IWL
24	R	SEAT BELT
25	R	CUTOFF TELLTALE
51	W	SATELLITE RH2 (+)

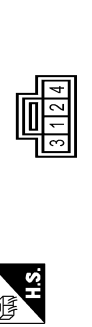
52	B	SATELLITE RH2 (-)
53	Y	SATELLITE LH2 (+)
54	BR	SATELLITE LH2 (-)
59	L	CAN-H
60	P	CAN-L

Connector No.	M242
Connector Name	TRIPLE METER
Connector Type	TH12FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	GROUND
2	V	BATTERY POWER SUPPLY
3	O	IGNITION SIGNAL
4	BR	COMMUNICATION SIGNAL (METER: TRIPLE METER)
5	L	COMMUNICATION SIGNAL (TRIPLE METER METER)

Connector No.	M255
Connector Name	S-MODE SWITCH
Connector Type	TRQ4FGY



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

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# POWER SUPPLY ROUTING CIRCUIT

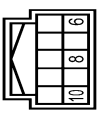
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]


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**IGNITION POWER SUPPLY**

Connector No.	R6
Connector Name	AUTO-ANTI-CRACKLING INSIDE MIRROR
Connector Type	TH10FEA-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
6	BR	-
8	BRW	-
10	BY	-



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# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

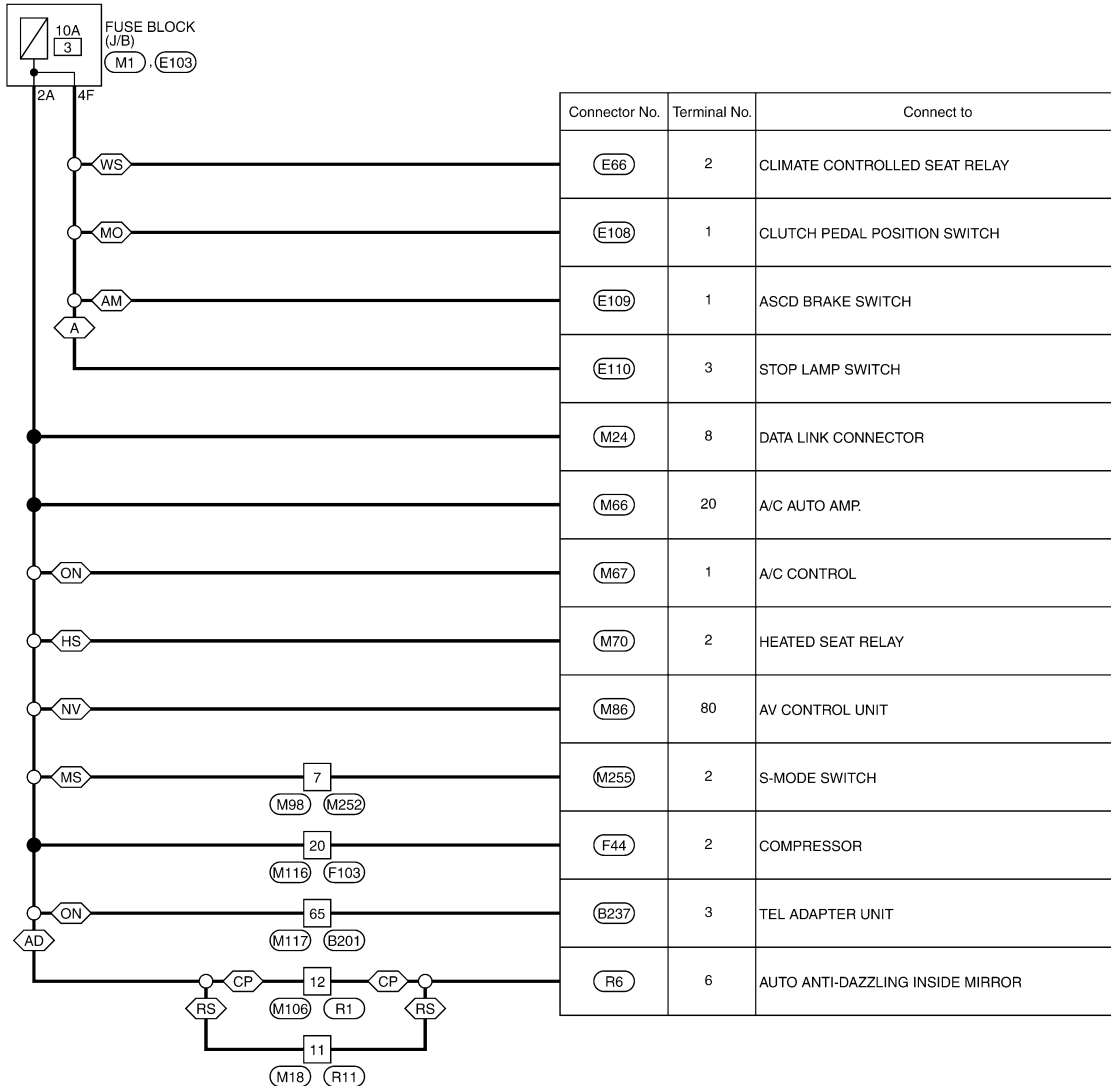
[POWER SUPPLY&GROUND CIRCUIT]

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

INFOID:000000010838452

### IGNITION POWER SUPPLY FUSE No. 3

- A : With A/T
- MS : With M/T and SynchroRev Match mode
- AM : With A/T or with M/T and SynchroRev Match mode
- MO : With M/T without SynchroRev Match mode
- CP : Coupe models
- RS : Roadster models
- WS : With climate controlled seat
- HS : With heated seat
- AD : With auto anti-dazzling inside mirror
- NV : With NAVI
- ON : Without NAVI



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# POWER SUPPLY ROUTING CIRCUIT

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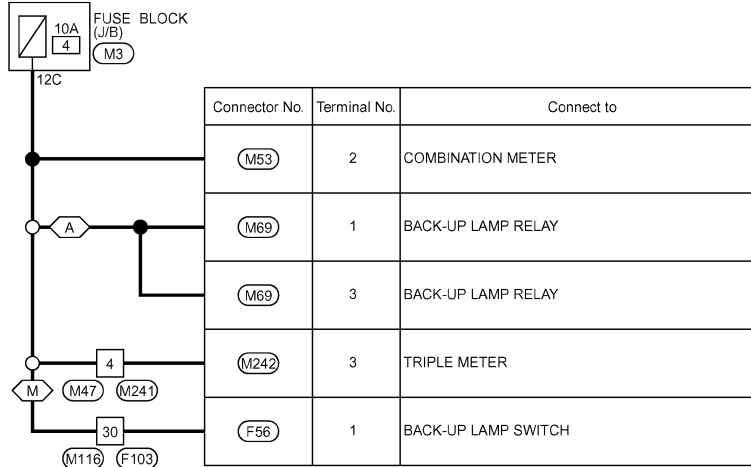
[POWER SUPPLY&GROUND CIRCUIT]

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

INFOID:000000010838453

### IGNITION POWER SUPPLY FUSE No. 4

A : With A/T  
M : With M/T



A  
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JCMWA3306GB

# POWER SUPPLY ROUTING CIRCUIT


< DTC/CIRCUIT DIAGNOSIS >

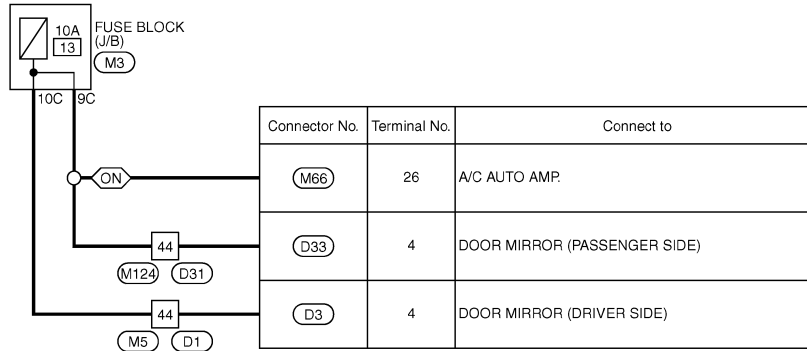
[POWER SUPPLY&GROUND CIRCUIT]

## Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 13 -

INFOID:000000010838454

### IGNITION POWER SUPPLY FUSE No. 13

 : Without NAVI



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JCMWA6379GB

# POWER SUPPLY ROUTING CIRCUIT

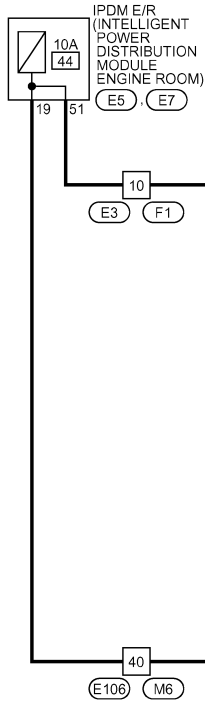
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[POWER SUPPLY&GROUND CIRCUIT]

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

INFOID:000000010838455

### IGNITION POWER SUPPLY FUSE No. 44



Connector No.	Terminal No.	Connect to
(F102)	53	ECM
(F121)	1	FUEL INJECTOR No. 1
(F122)	1	FUEL INJECTOR No. 2
(F123)	1	FUEL INJECTOR No. 3
(F124)	1	FUEL INJECTOR No. 4
(F125)	1	FUEL INJECTOR No. 5
(F126)	1	FUEL INJECTOR No. 6
(M123)	123	BCM (BODY CONTROL MODULE)

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# POWER SUPPLY ROUTING CIRCUIT

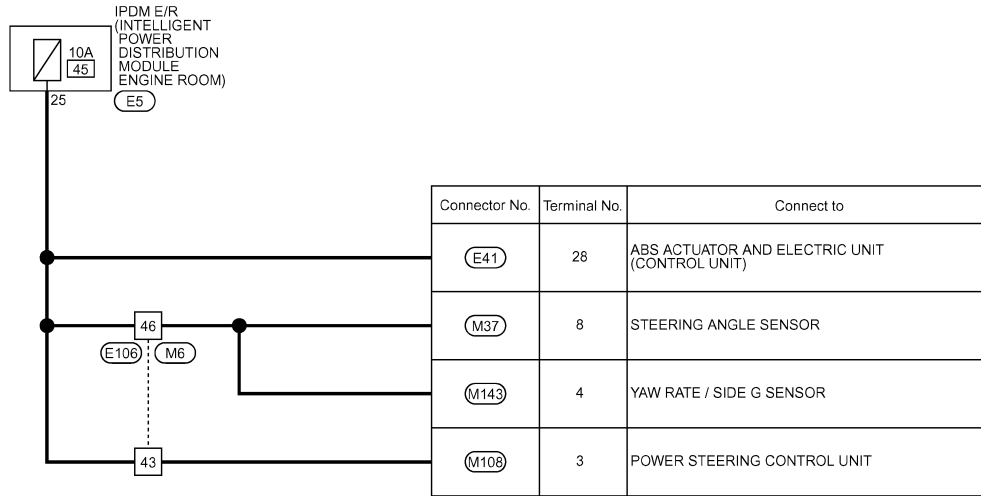
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

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

INFOID:000000010838456

### IGNITION POWER SUPPLY FUSE No. 45



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JCMWA3312GB

# POWER SUPPLY ROUTING CIRCUIT

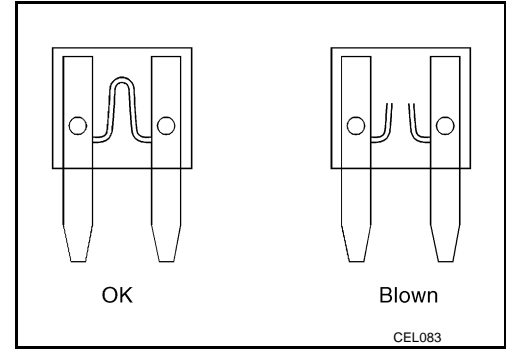
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## Fuse

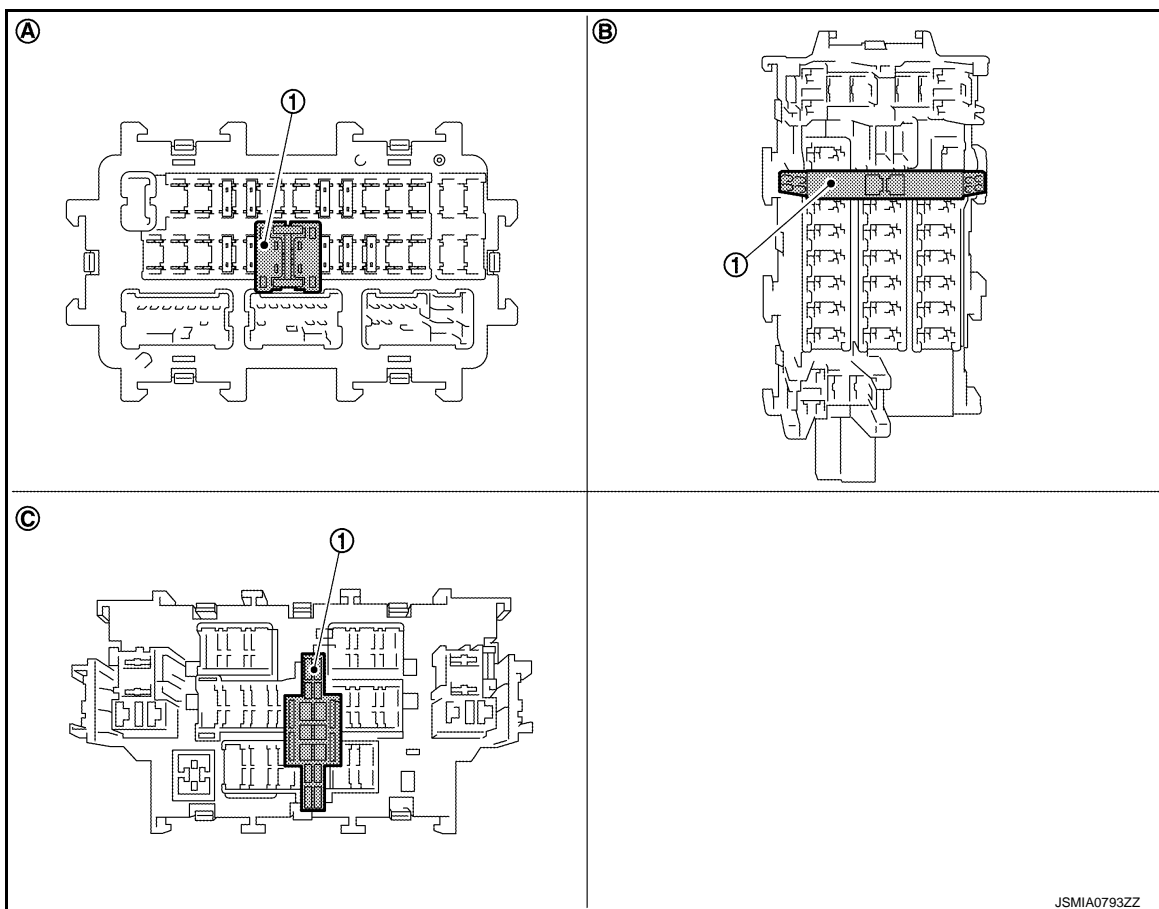
INFOID:0000000110838457

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



## EXTENDED STORAGE FUSE SWITCH (IF EQUIPPED)

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



1. Extended storage fuse switch

A. Type A

B. Type B

C. Type C

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

How To Extended Storage Fuse Switch ON/OFF

### CAUTION:

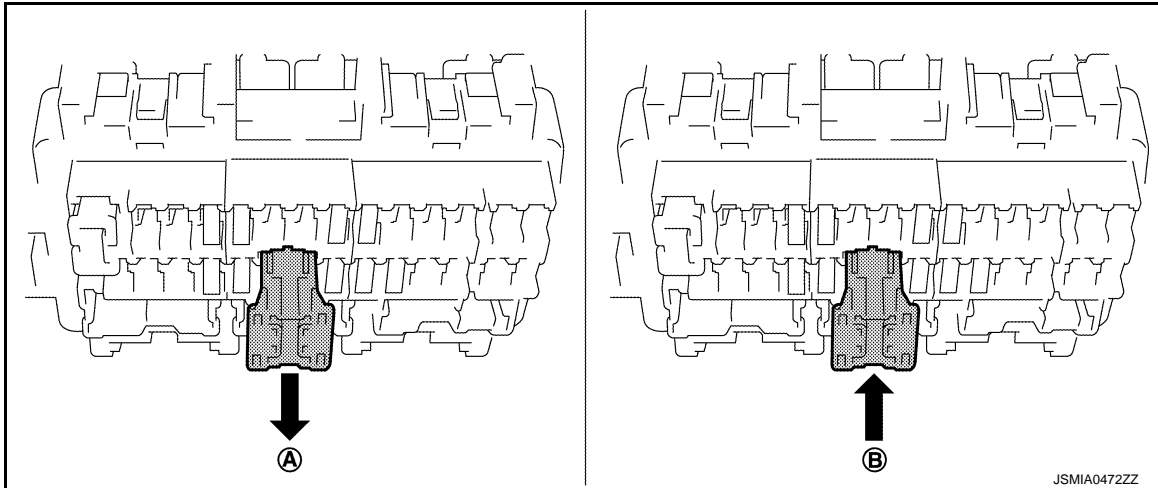
- Turn the ignition switch OFF when operating the extended storage fuse switch.
- Under normal conditions, keep the extended storage fuse switch in ON state. Never operate the extended storage fuse switch except when necessary.

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

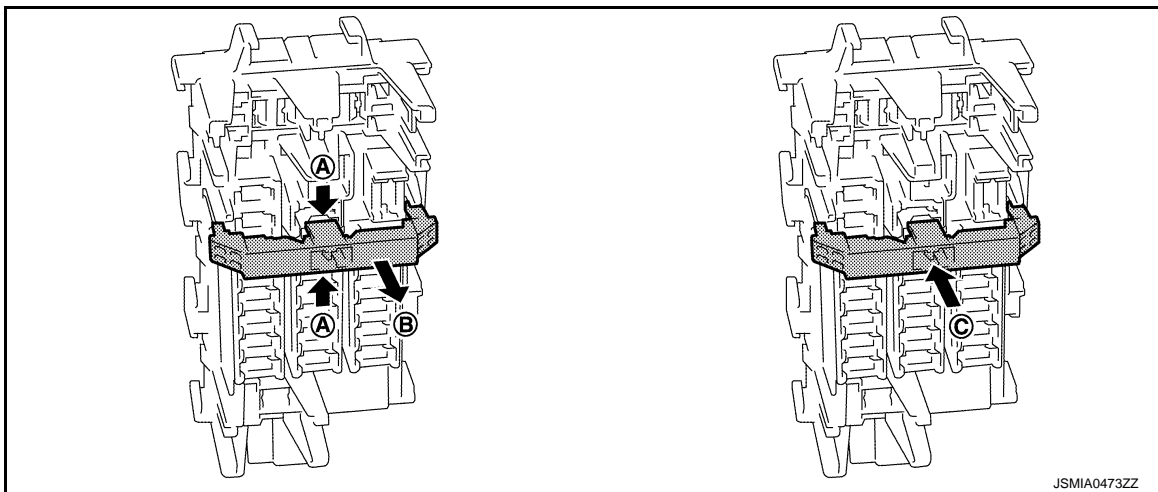
[POWER SUPPLY&GROUND CIRCUIT]

- Type A



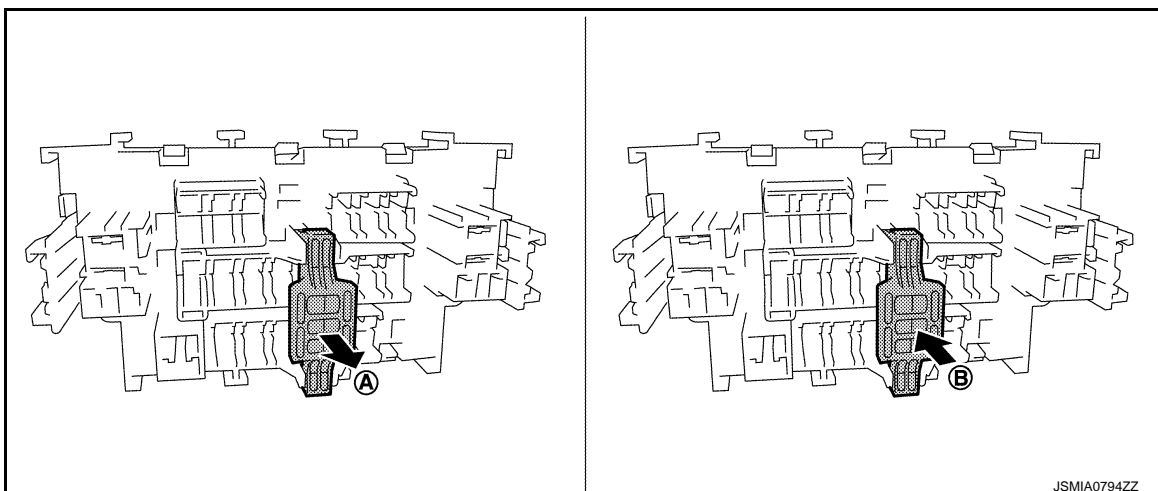
- To turn the extended storage fuse switch OFF, pull it up in (A) direction as shown in the figure.
- To turn the extended storage fuse switch ON, press it in (B) direction as shown in the figure.

- Type B



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

- Type C



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

## How To Remove Extended Storage Fuse Switch

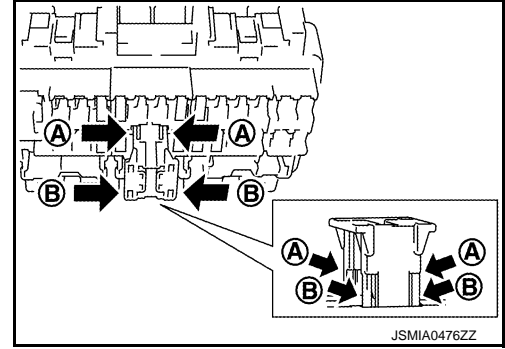
Type A

# POWER SUPPLY ROUTING CIRCUIT

## [POWER SUPPLY&GROUND CIRCUIT]

### < DTC/CIRCUIT DIAGNOSIS >

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

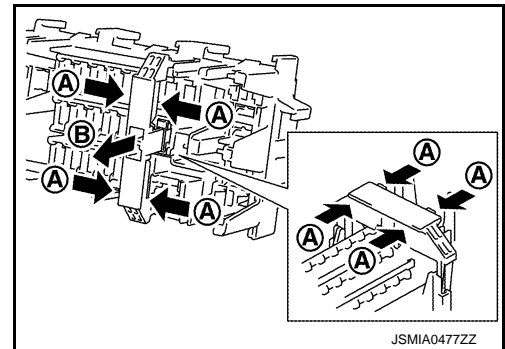


#### NOTE:

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

#### Type B

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

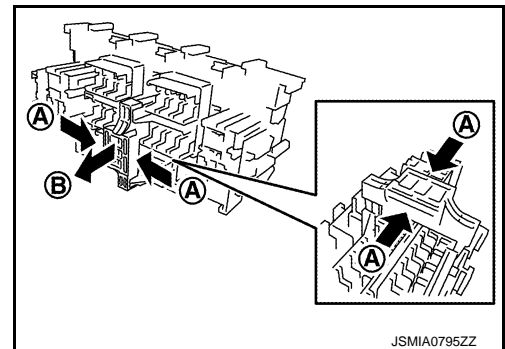


#### NOTE:

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

#### Type C

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



#### NOTE:

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

A  
B  
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# POWER SUPPLY ROUTING CIRCUIT

## [POWER SUPPLY&GROUND CIRCUIT]

### < DTC/CIRCUIT DIAGNOSIS >

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

### Fusible Link

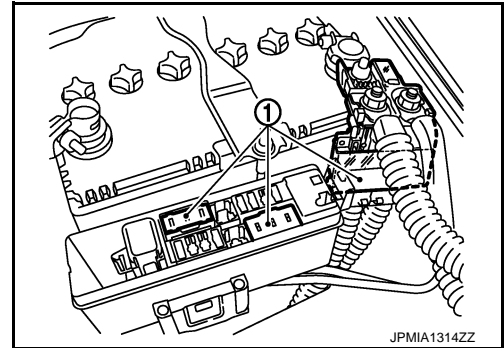
INFOID:000000010838458

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:

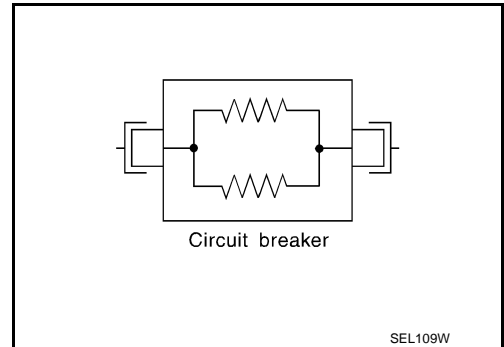
- If fusible link should melt, it is possible that critical circuit (power supply or large current carrying circuit) is shorted. In such a case, carefully check and eliminate cause of malfunction.
- Never wrap outside of fusible link with vinyl tape. Important: Never let fusible link touch any other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



### Circuit Breaker

INFOID:000000010838459

The PTC thermistor generates heat in response to current flow. The temperature (and resistance) of the thermistor element varies with current flow. Excessive current flow will cause the element's temperature to rise. When the temperature reaches a specified level, the electrical resistance will rise sharply to control the circuit current. Reduced current flow will cause the element to cool. Resistance falls accordingly and normal circuit current flow is allowed to resume.





# HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

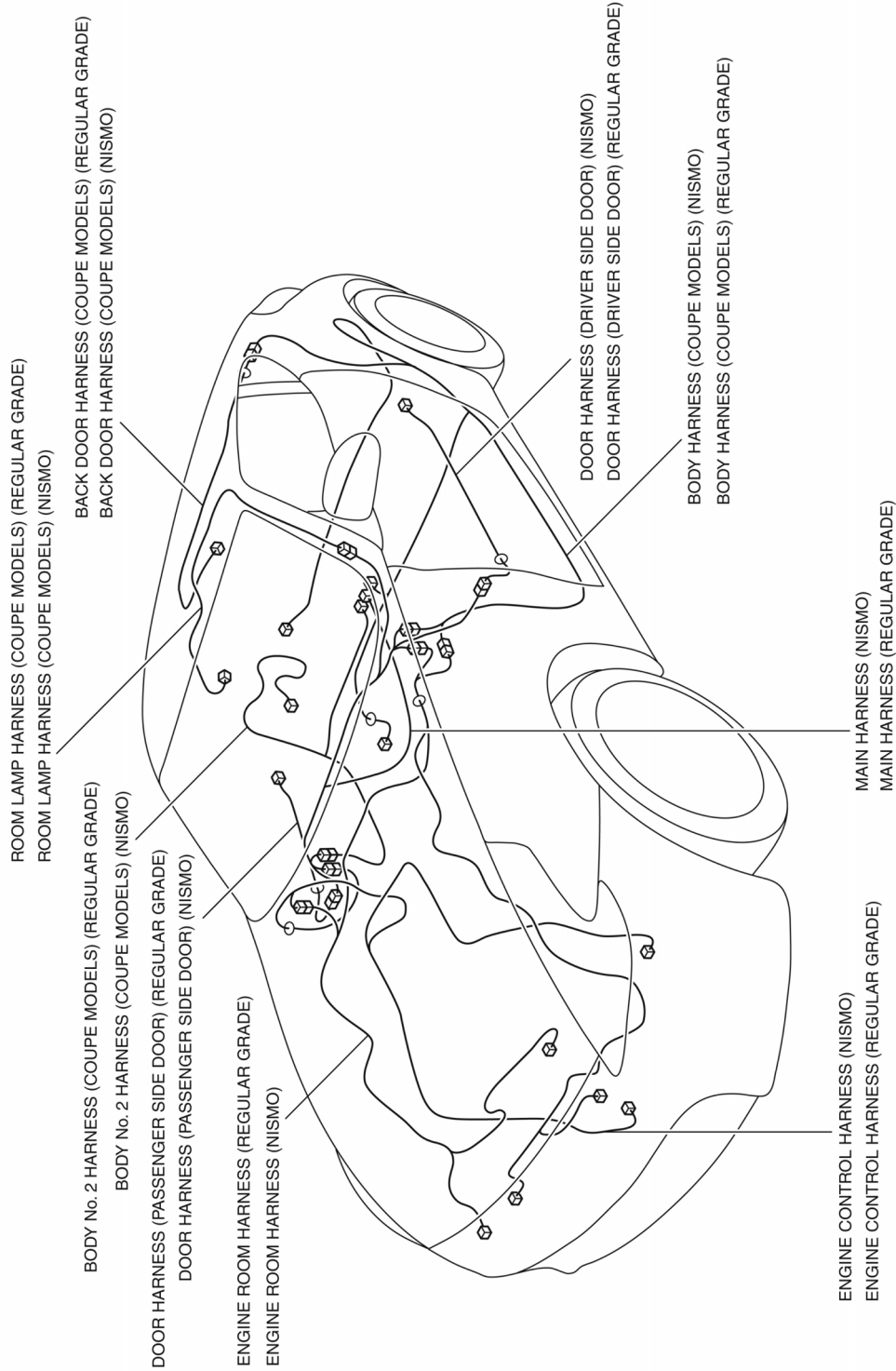
## HARNESS LAYOUT

Outline

INFOID:000000011375721

COUPE MODELS

### OUTLINE (COUPE MODELS)



2014/05/12

JRMIC4662GB

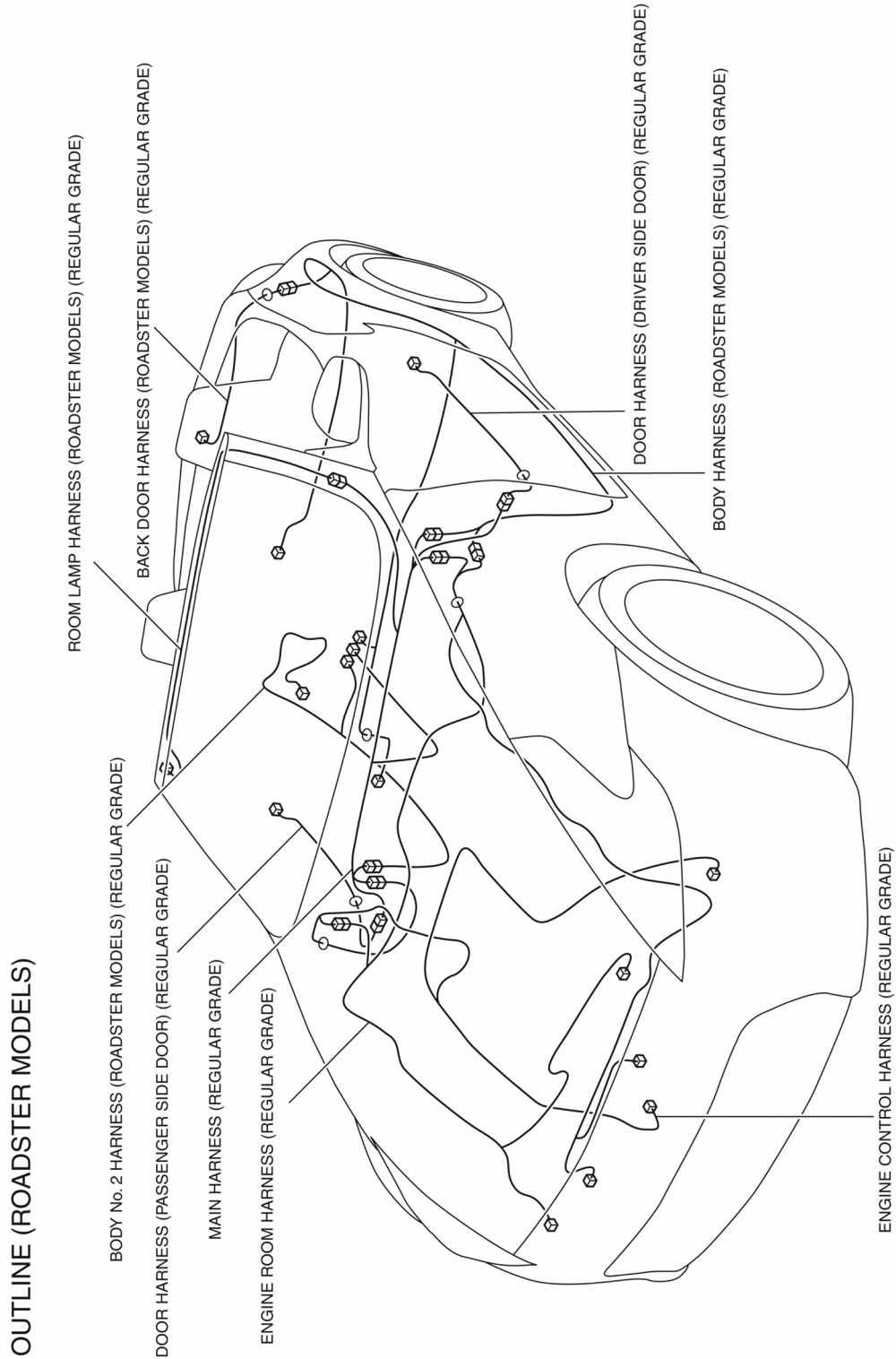
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# HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## ROADSTER MODELS



### OUTLINE (ROADSTER MODELS)

## Engine Room Harness

### REGULAR GRADE

2014/05/12

JRMIC4663GB

INFOID:0000000011375722

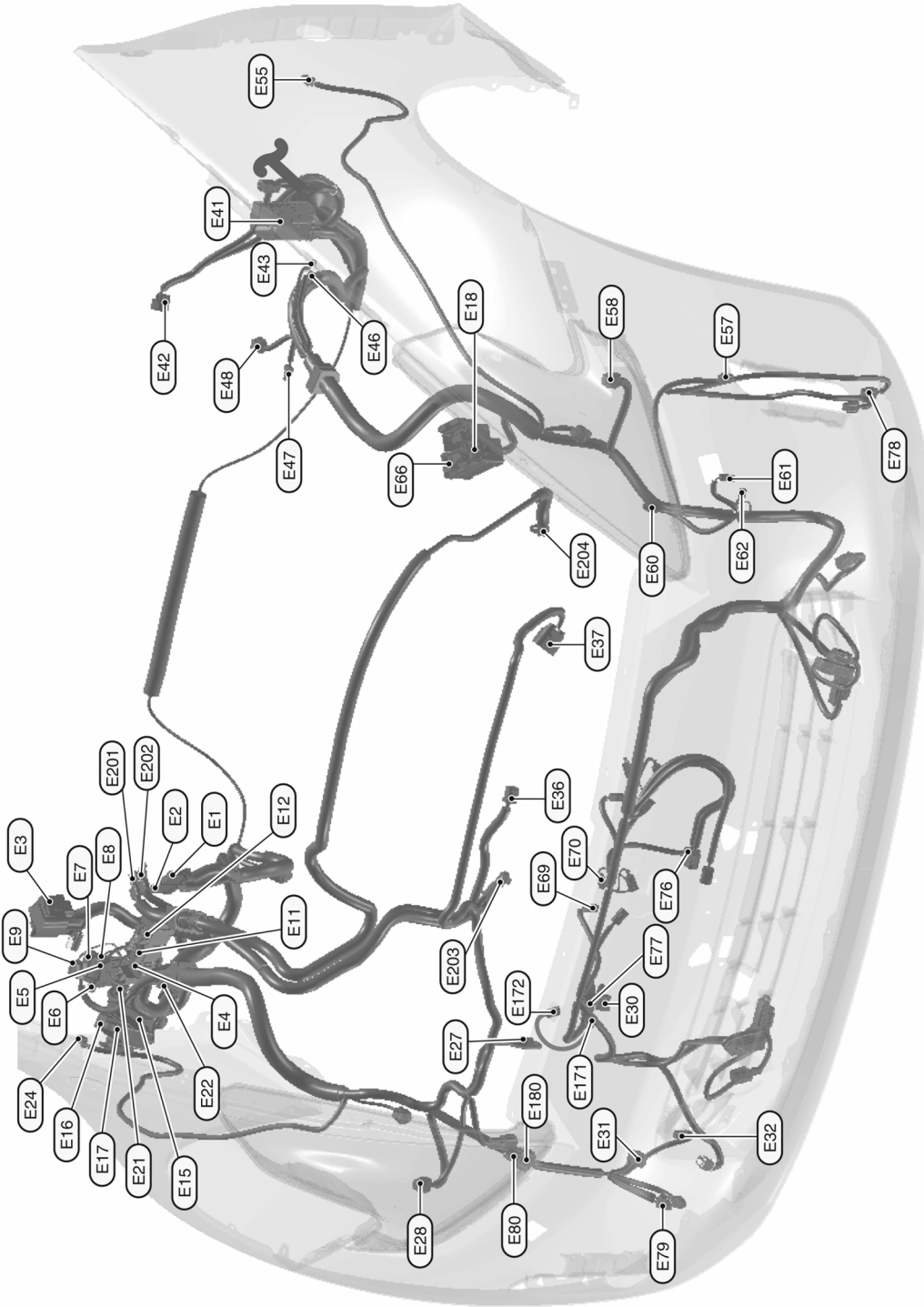
# HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

Engine compartment

ENGINE ROOM HARNESS /  
Engine Compartment (REGULAR GRADE)



A  
B  
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PG

2014/05/12

JRMIC4664GB

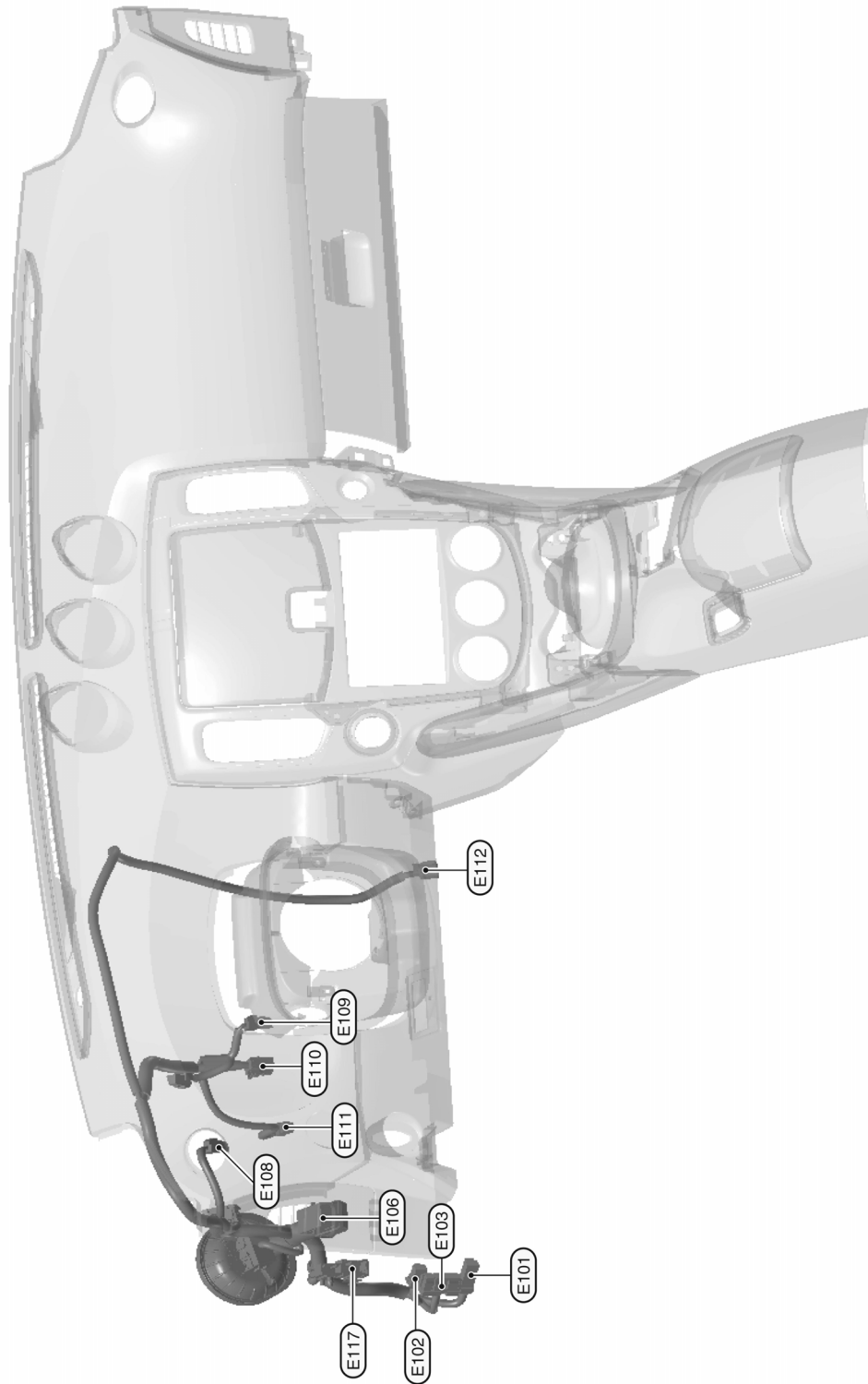
# HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

Passenger compartment

Passenger Compartment (REGULAR GRADE)



2014/05/12

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NISMO

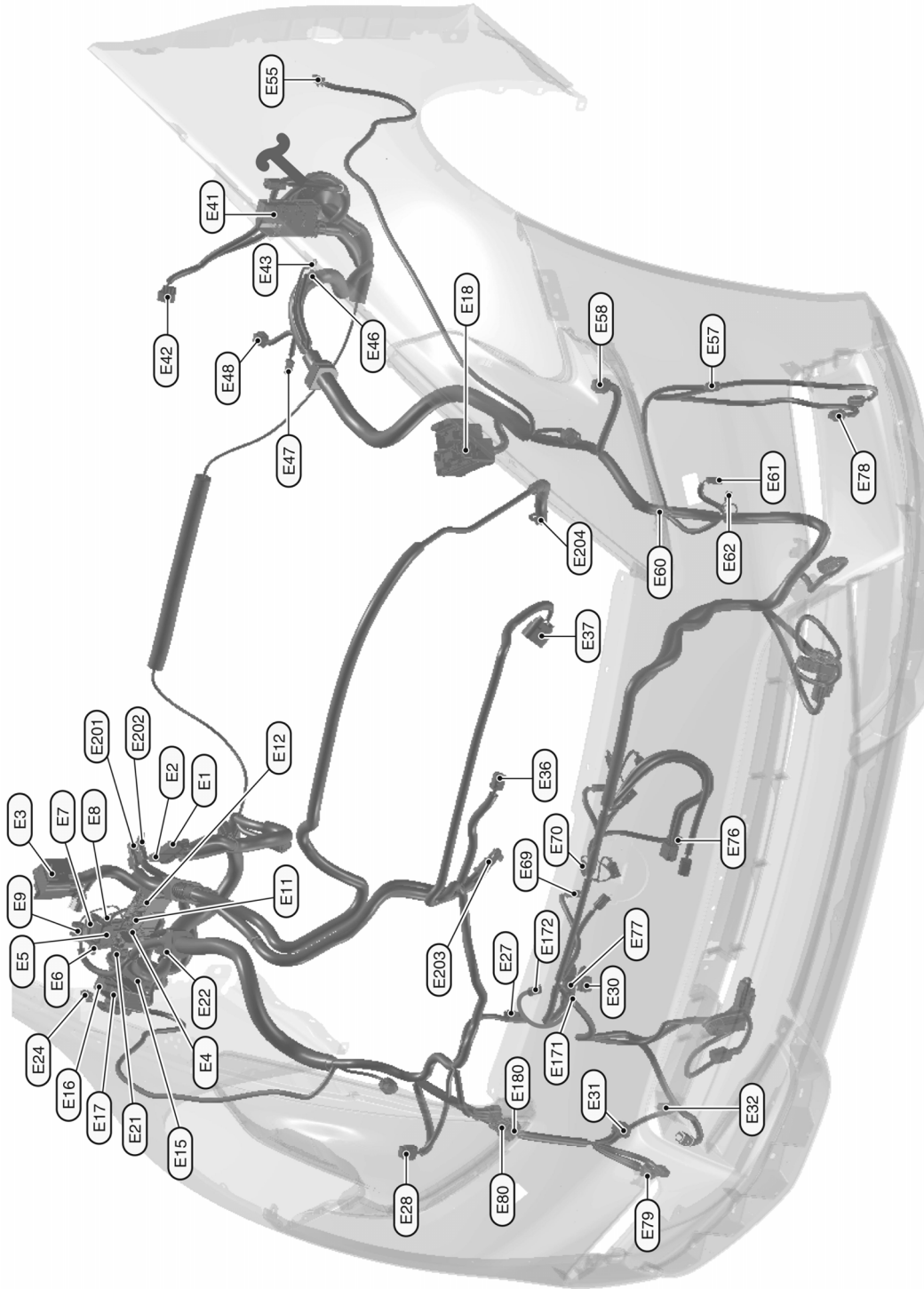
# HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

Engine compartment

ENGINE ROOM HARNESS /  
Engine Compartment (NISMO)



A  
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2014/05/12

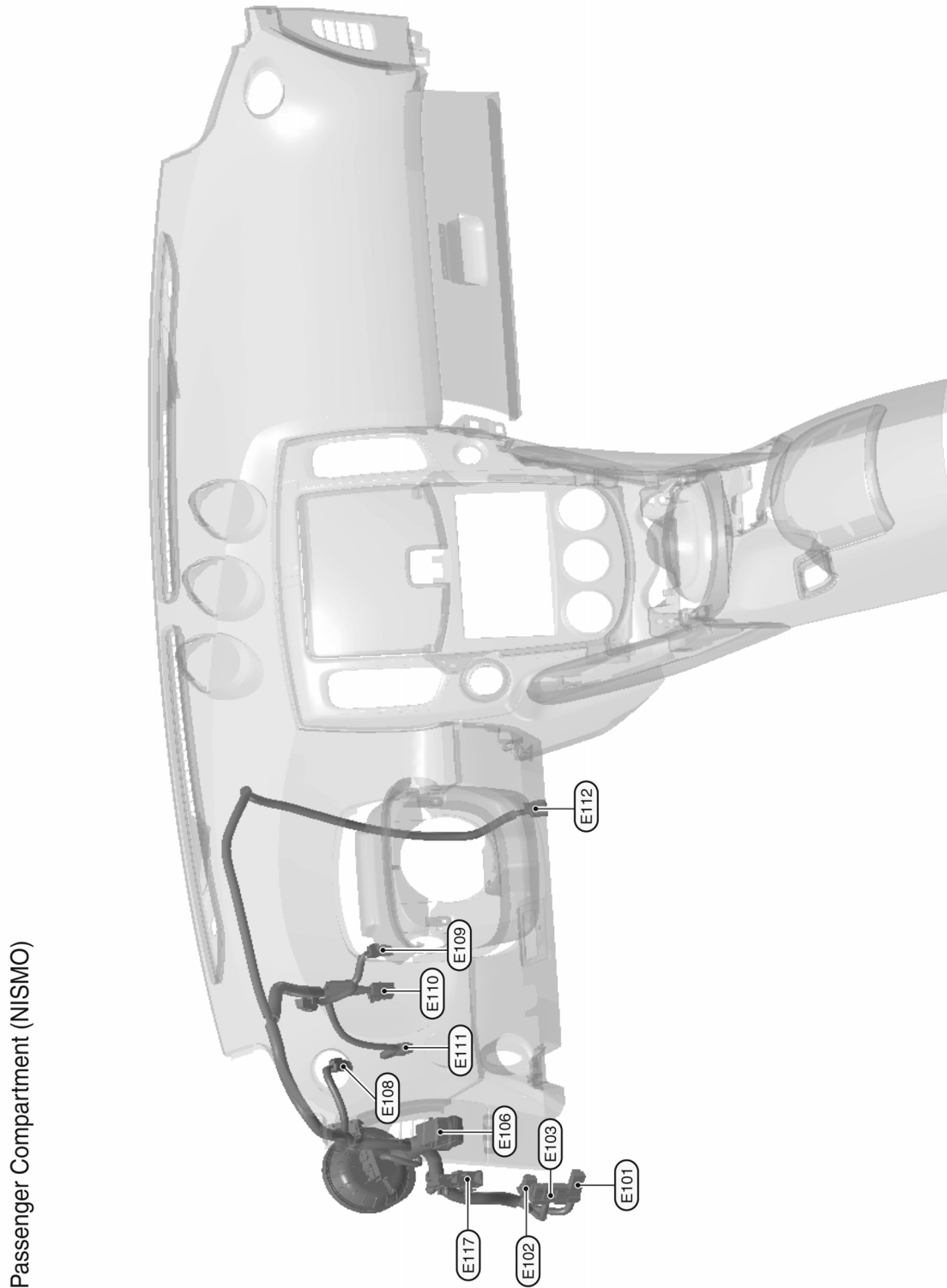
JRMIC4679GB

# HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

Passenger compartment



Passenger Compartment (NISMO)

2014/05/12

JRMIC4680GB

Engine Control Harness

REGULAR GRADE

INFOID:000000011375723

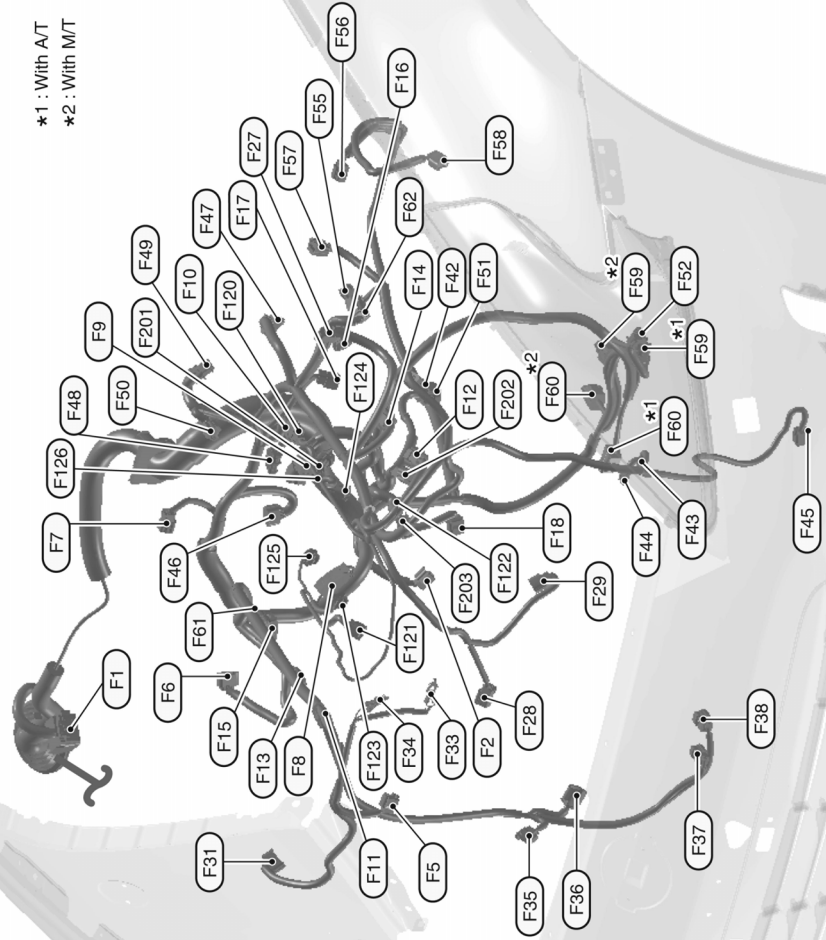
# HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

Engine compartment

ENGINE CONTROL HARNESS /  
Engine Compartment (REGULAR GRADE)



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2014/05/12

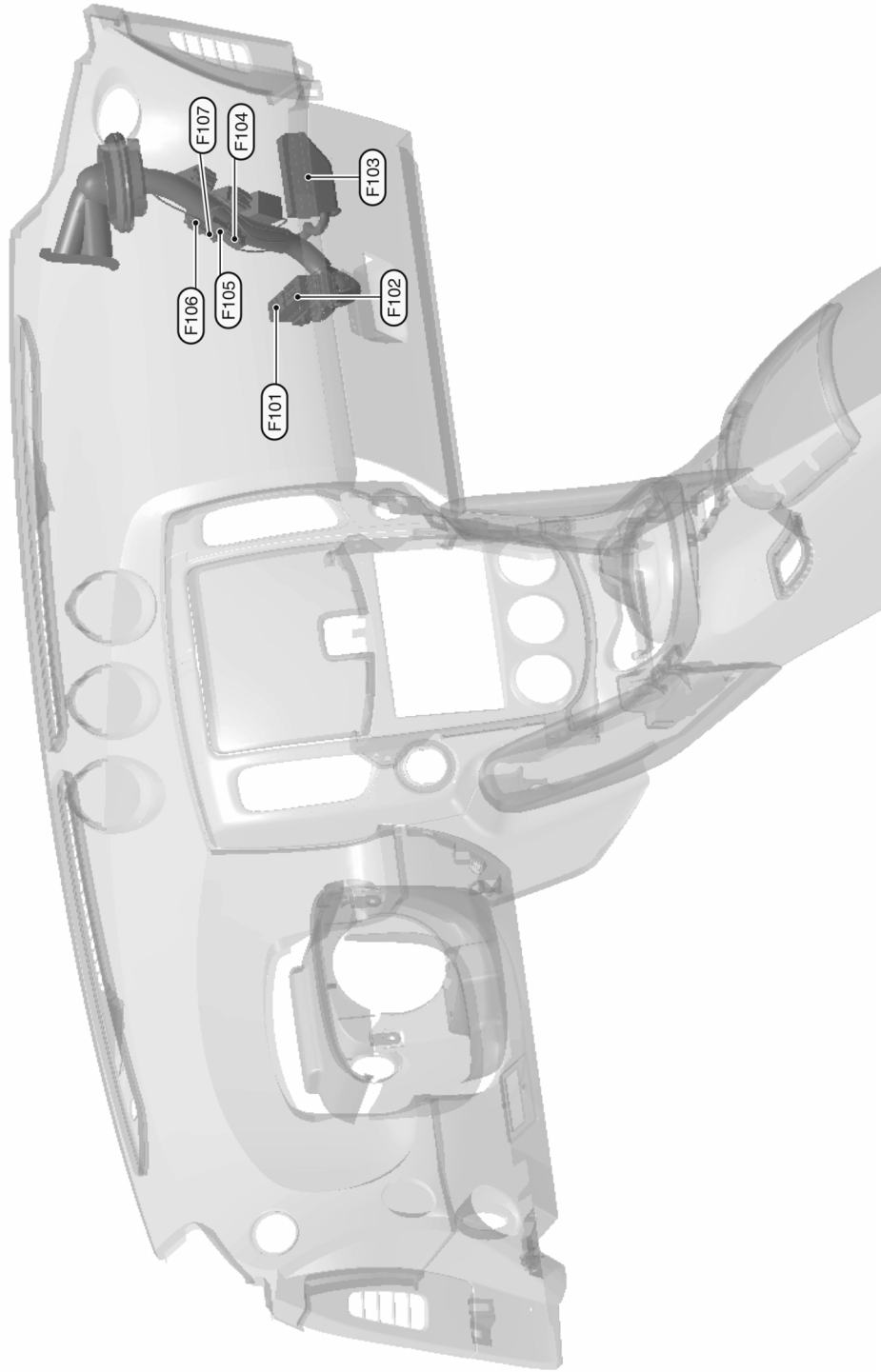
JRMIC4666GB

# HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

Passenger compartment



Passenger Compartment (REGULAR GRADE)

NISMO

2014/05/12

JRMIC4667GB



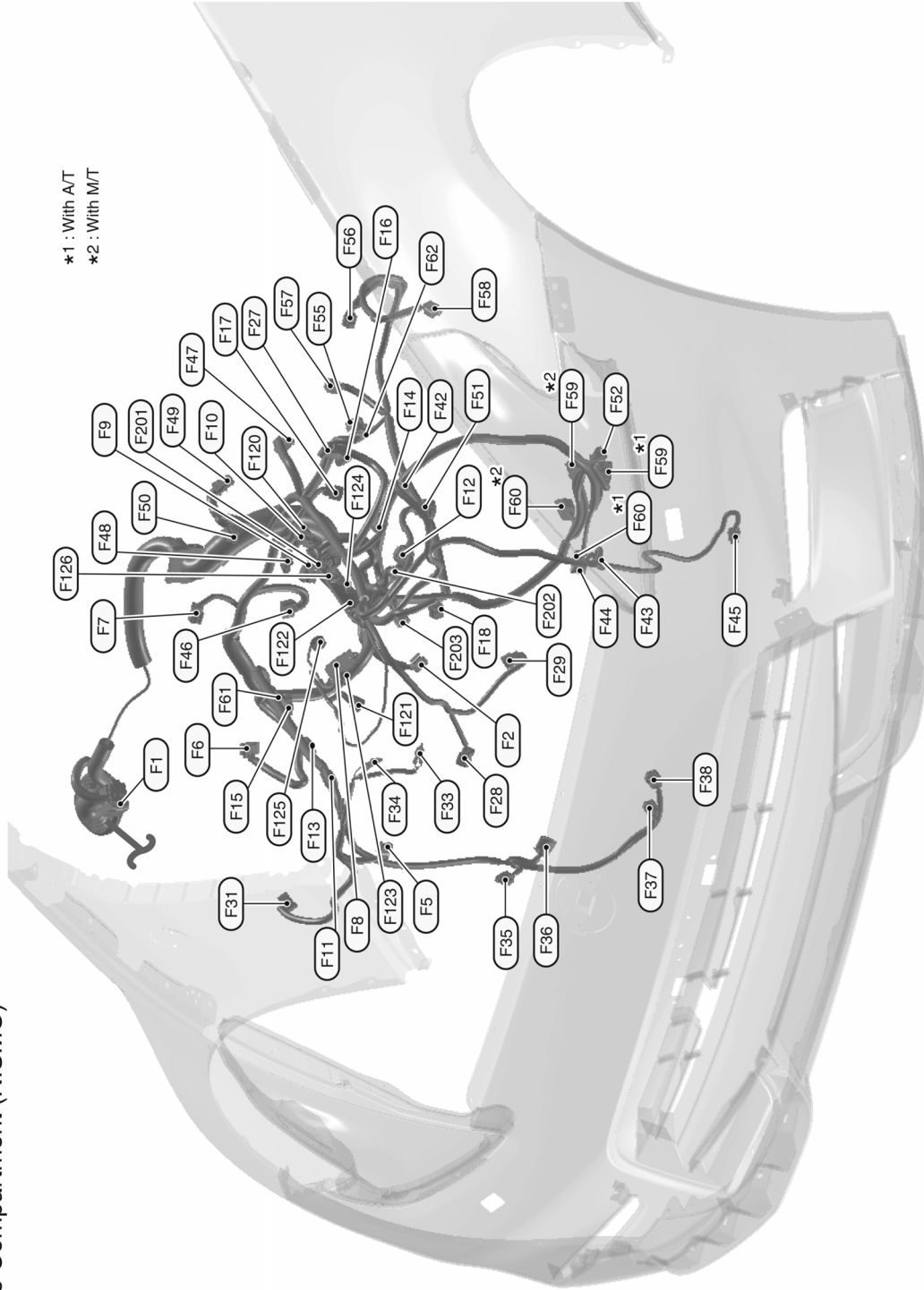
# HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

Engine compartment

ENGINE CONTROL HARNESS /  
Engine Compartment (NISMO)



\*1 : With A/T  
\*2 : With M/T

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PG

2014/05/12

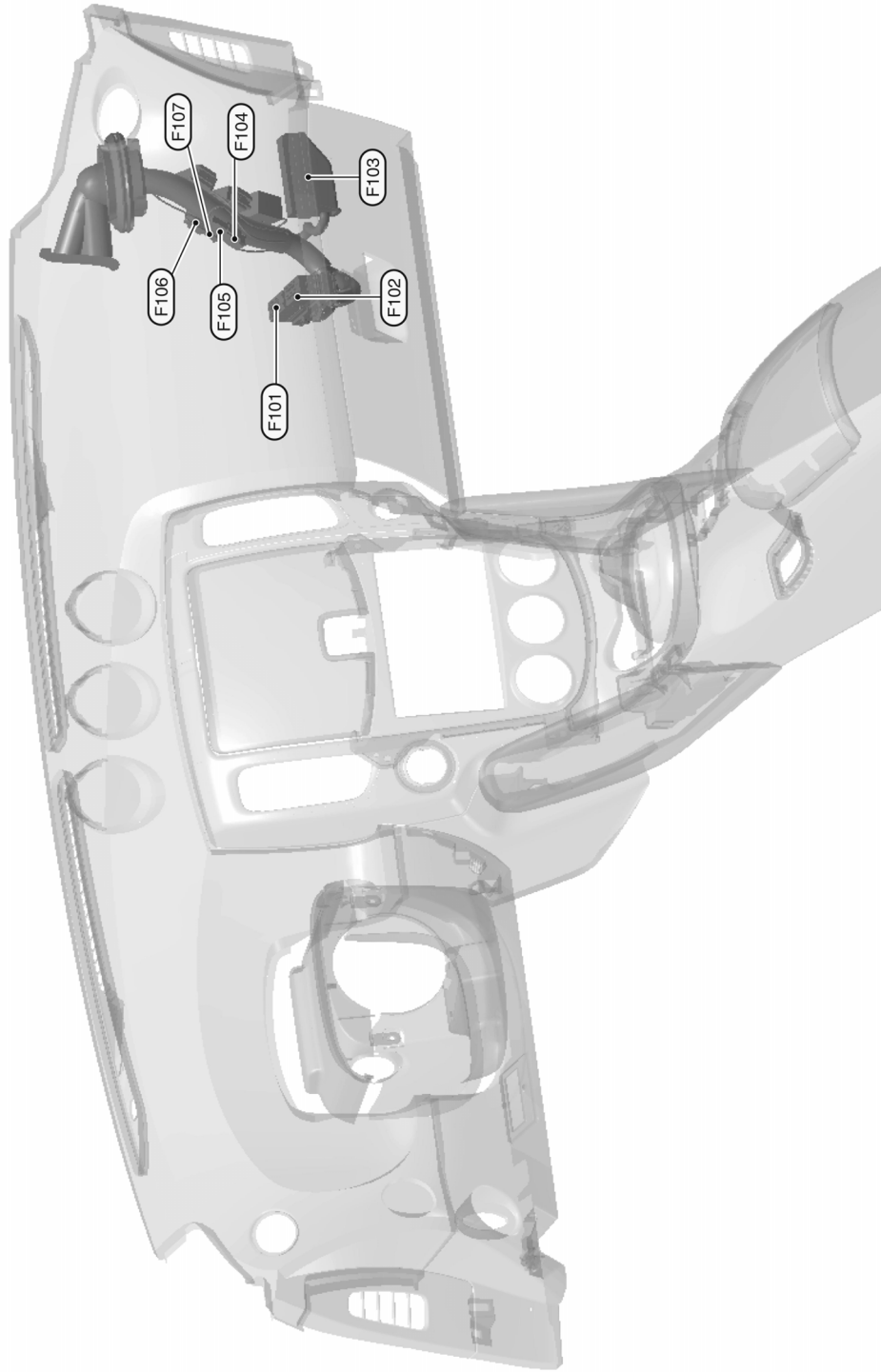
JRMIC4681GB

# HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

Passenger compartment



Passenger Compartment (NISMO)

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JRMIC4682GB

# HARNES LAYOUT

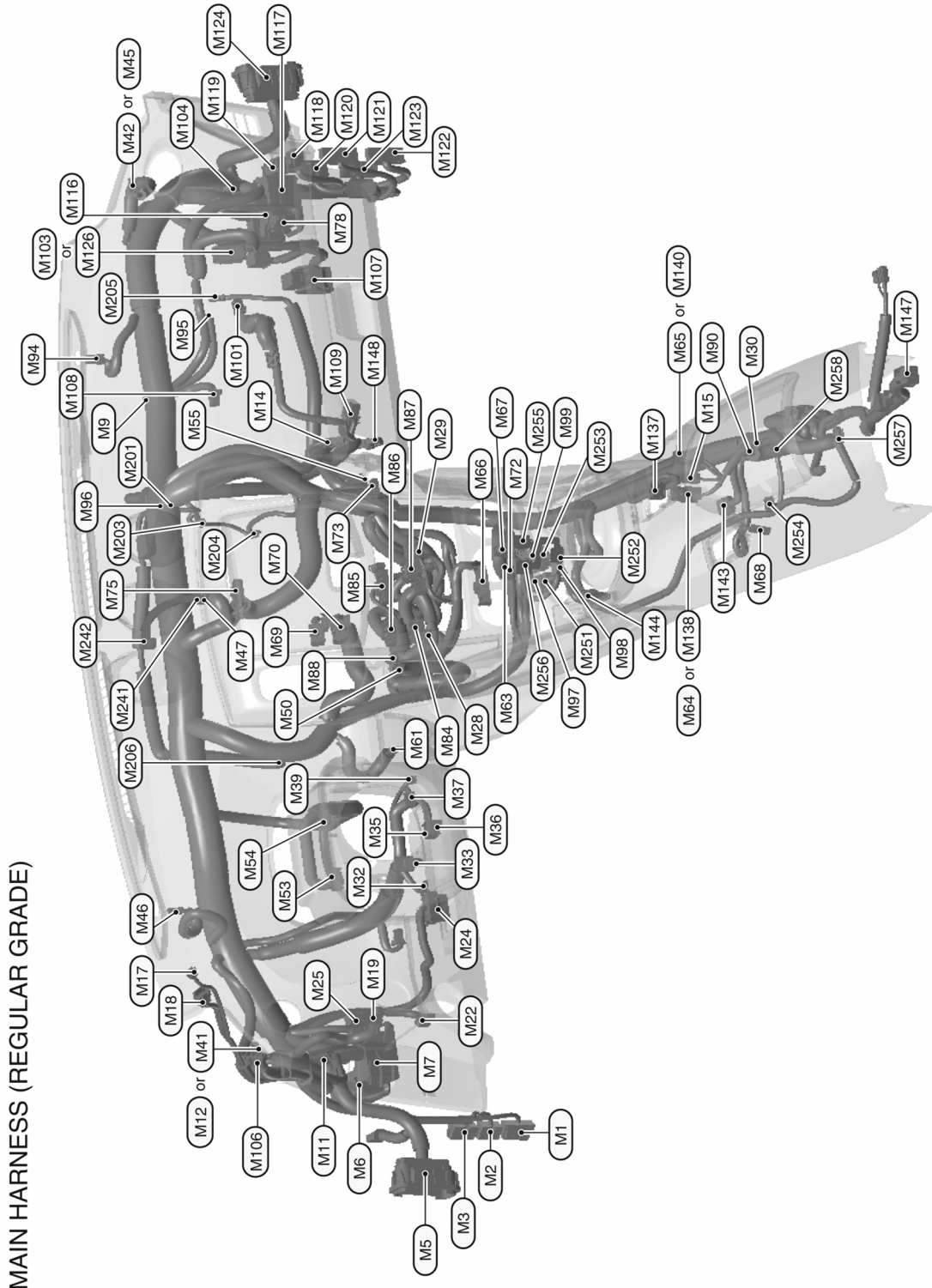
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## Main Harness

INFOID:000000011375724

### REGULAR GRADE



MAIN HARNESS (REGULAR GRADE)

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2014/05/12

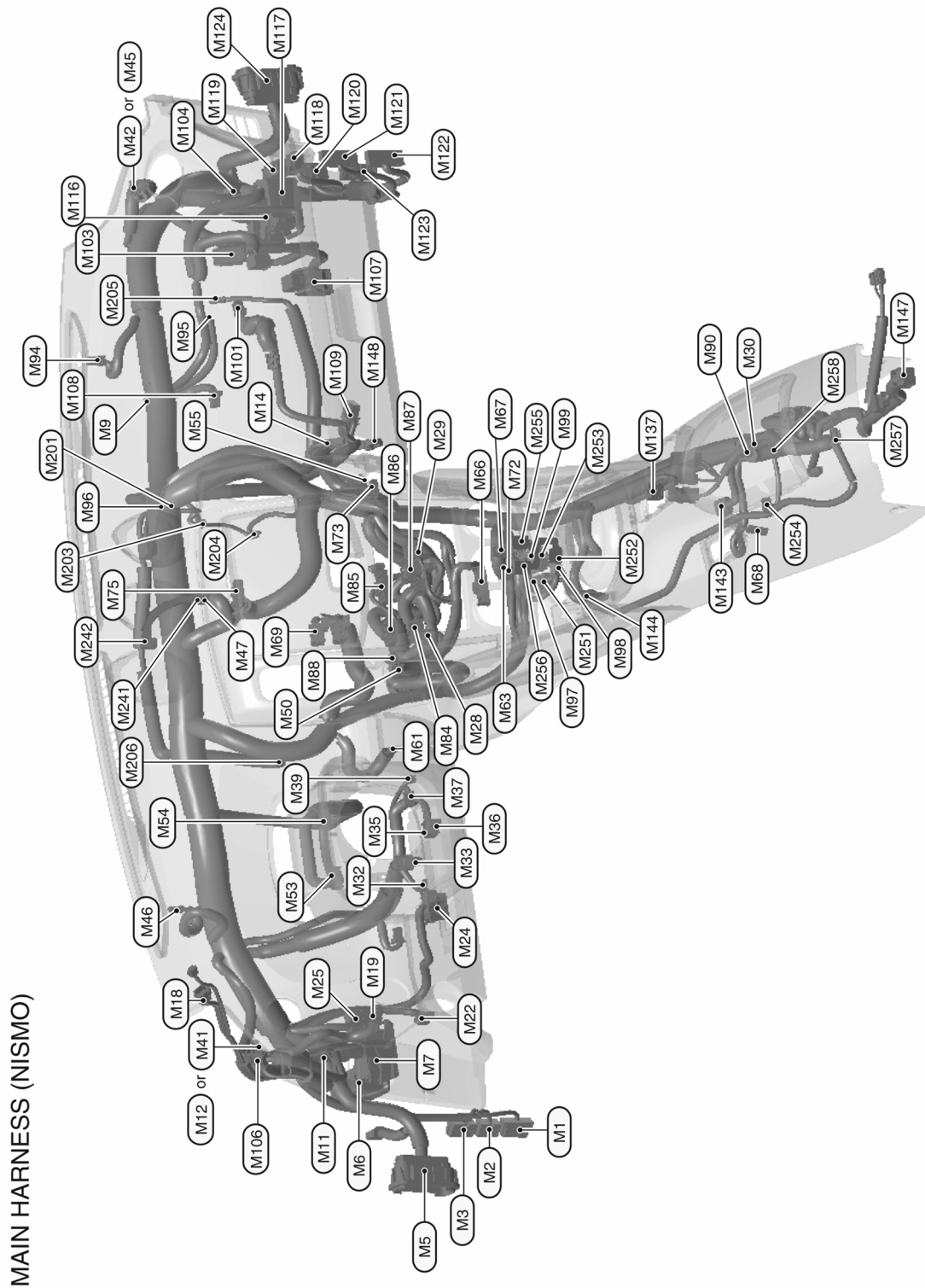
JRMIC4668GB

# HARNESSES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

NISMO GRADE



MAIN HARNESS (NISMO)

2014/05/12

JRMIC4683GB

Body Harness

INFOID:0000000011375725

BODY HARNESS (COUPE MODELS)

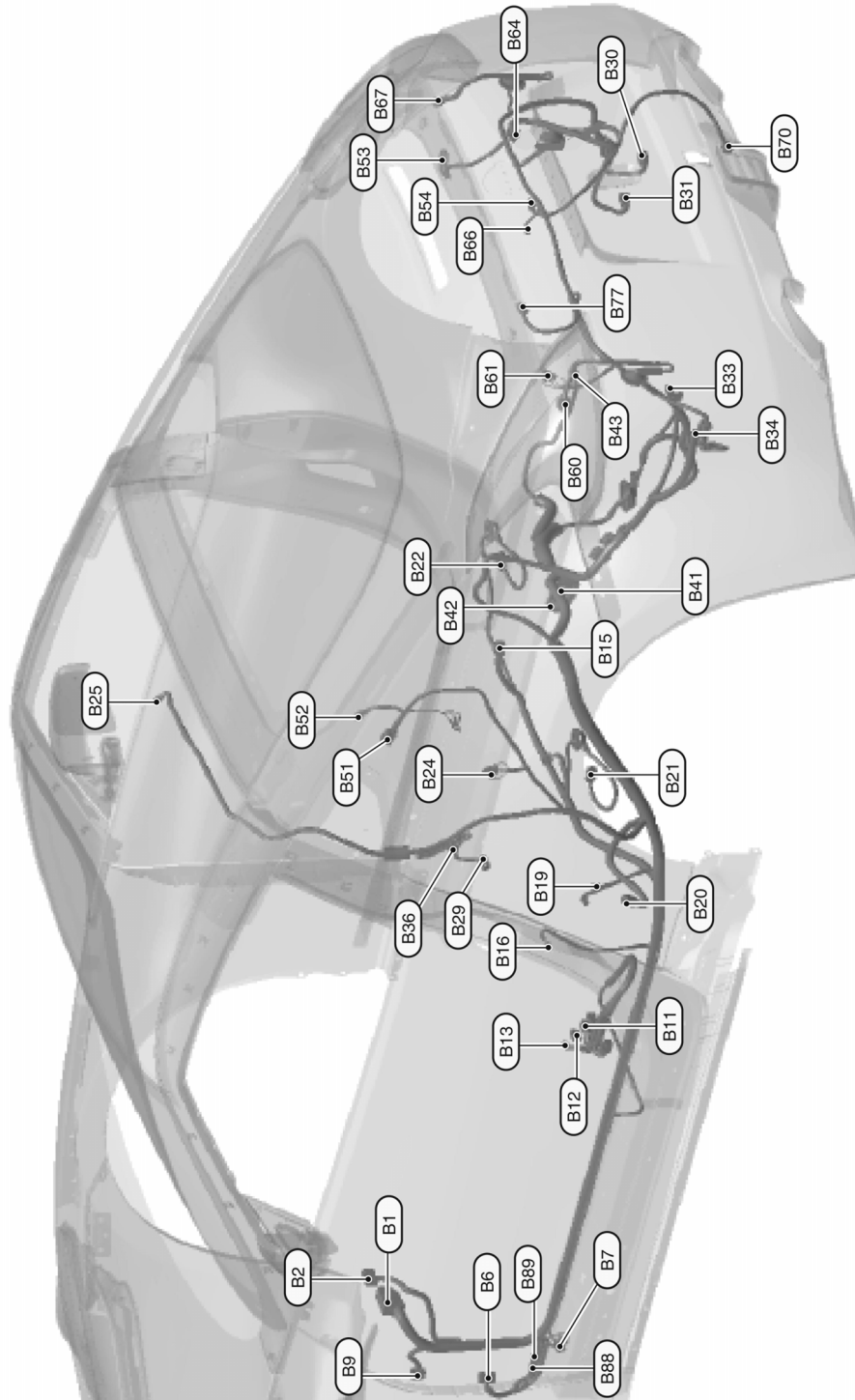
# HARNES LAYOUT

[POWER SUPPLY&GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

Regular Grade

BODY HARNESS (COUPE MODELS) (REGULAR GRADE)



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2014/05/12

JRMIC4669GB

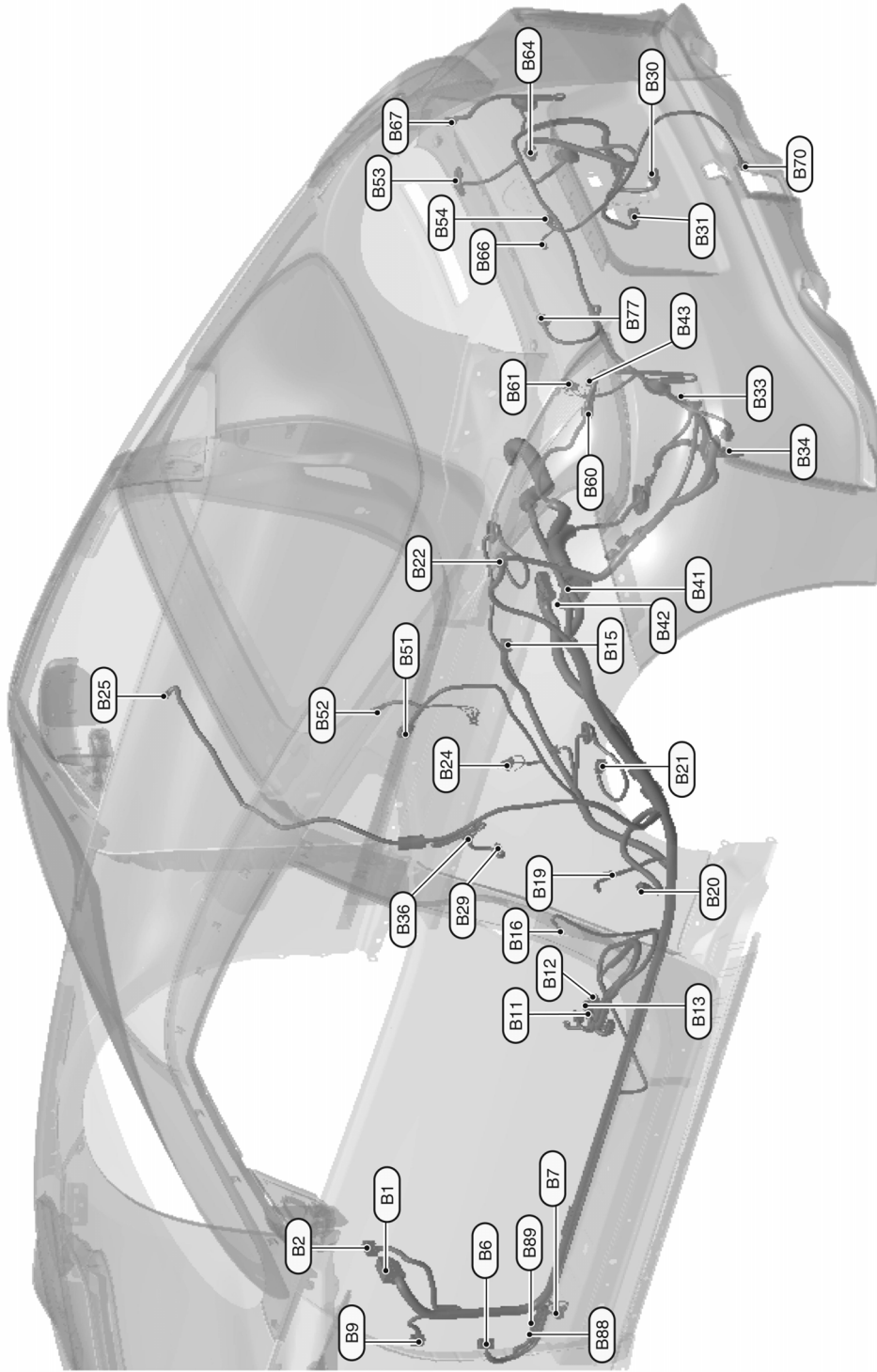
# HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

Nismo

BODY HARNESS (COUPE MODELS) (NISMO)



2014/05/12

JRMIC4684GB

BODY HARNESS (ROADSTER MODELS)

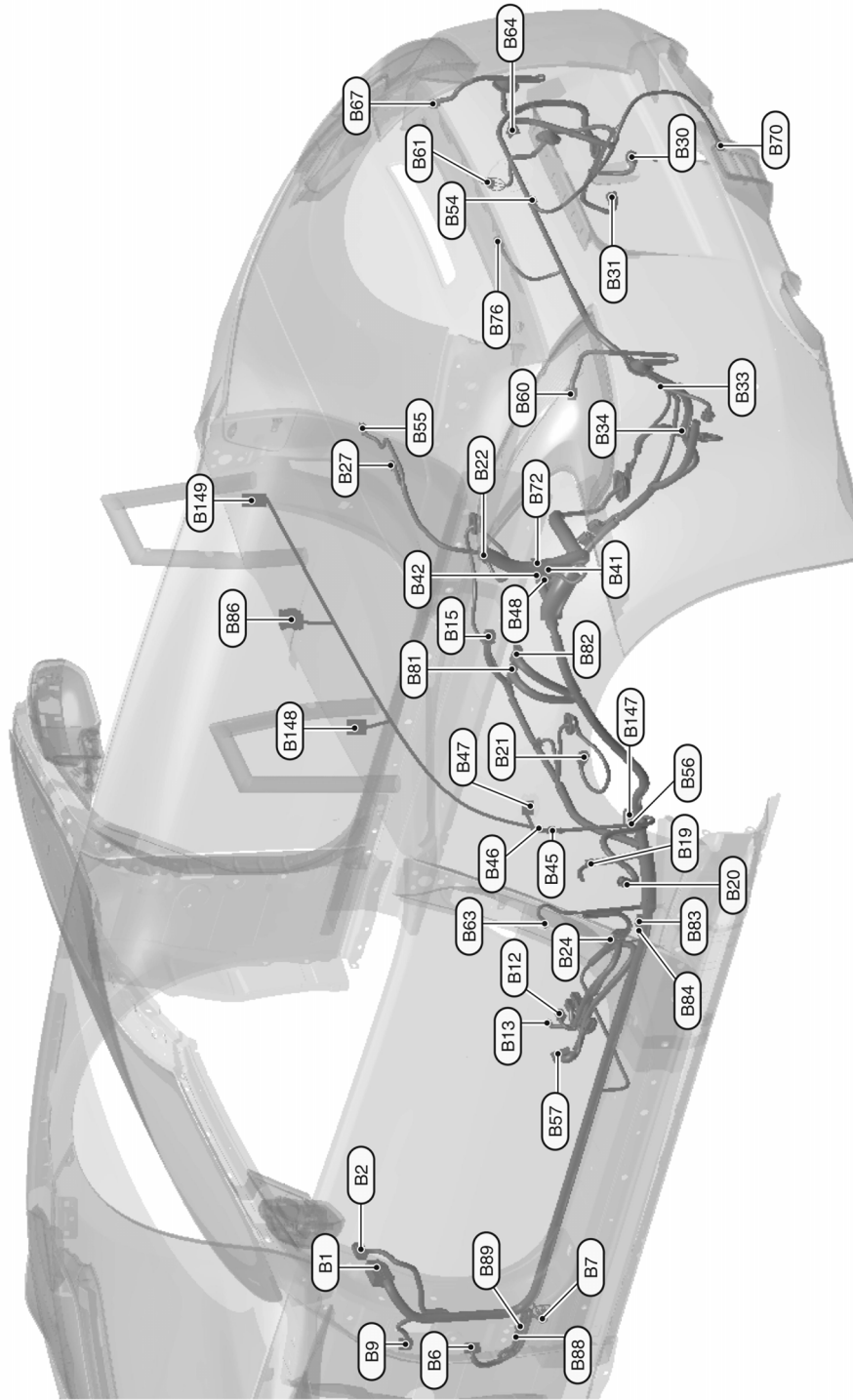
# HARNES LAYOUT

[POWER SUPPLY&GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

Regular Grade

BODY HARNESS (ROADSTER MODELS) (REGULAR GRADE)



BODY No. 2 HARNESS (COUPE MODELS)

2014/05/12

JRMIC4670GB

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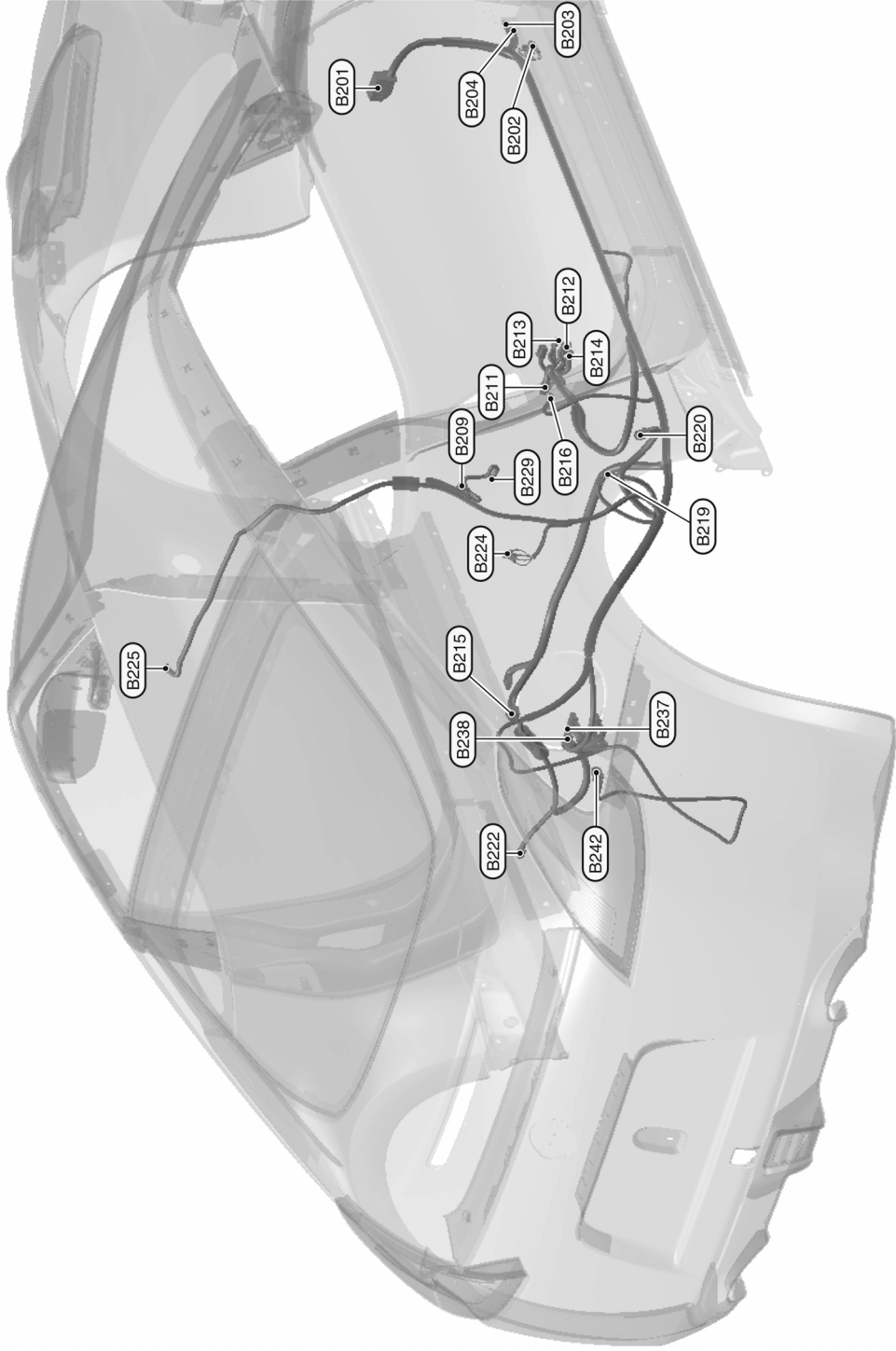
# HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

Regular Grade

BODY No. 2 HARNES (COUPE MODELS) (REGULAR GRADE)



2014/05/12

JRMIC4671GB



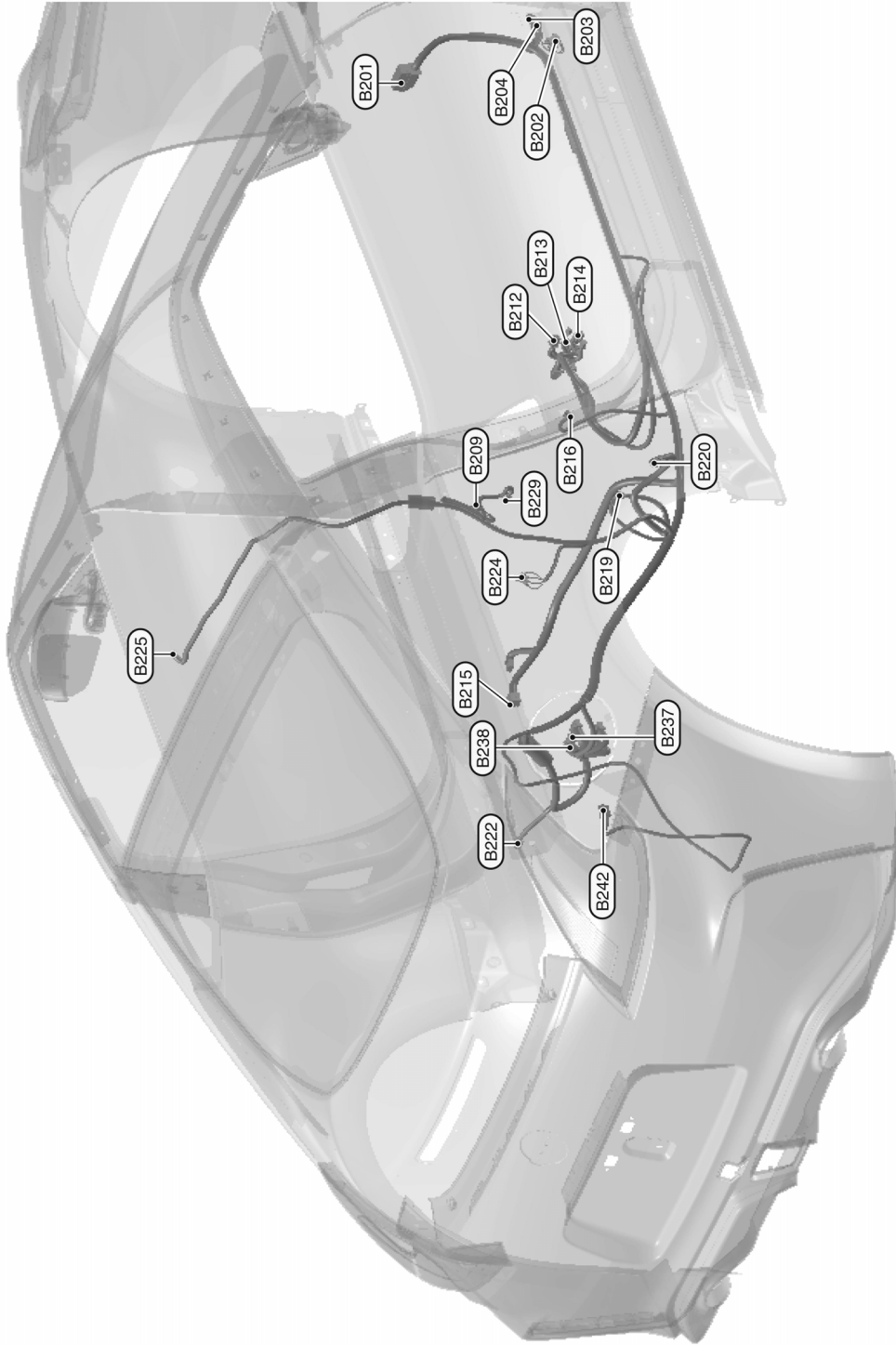
# HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

Nismo

BODY No. 2 HARNESS (COUPE MODELS) (NISMO)



2014/05/12

JRMIC4685GB

BODY No. 2 HARNESS (ROADSTER MODELS)

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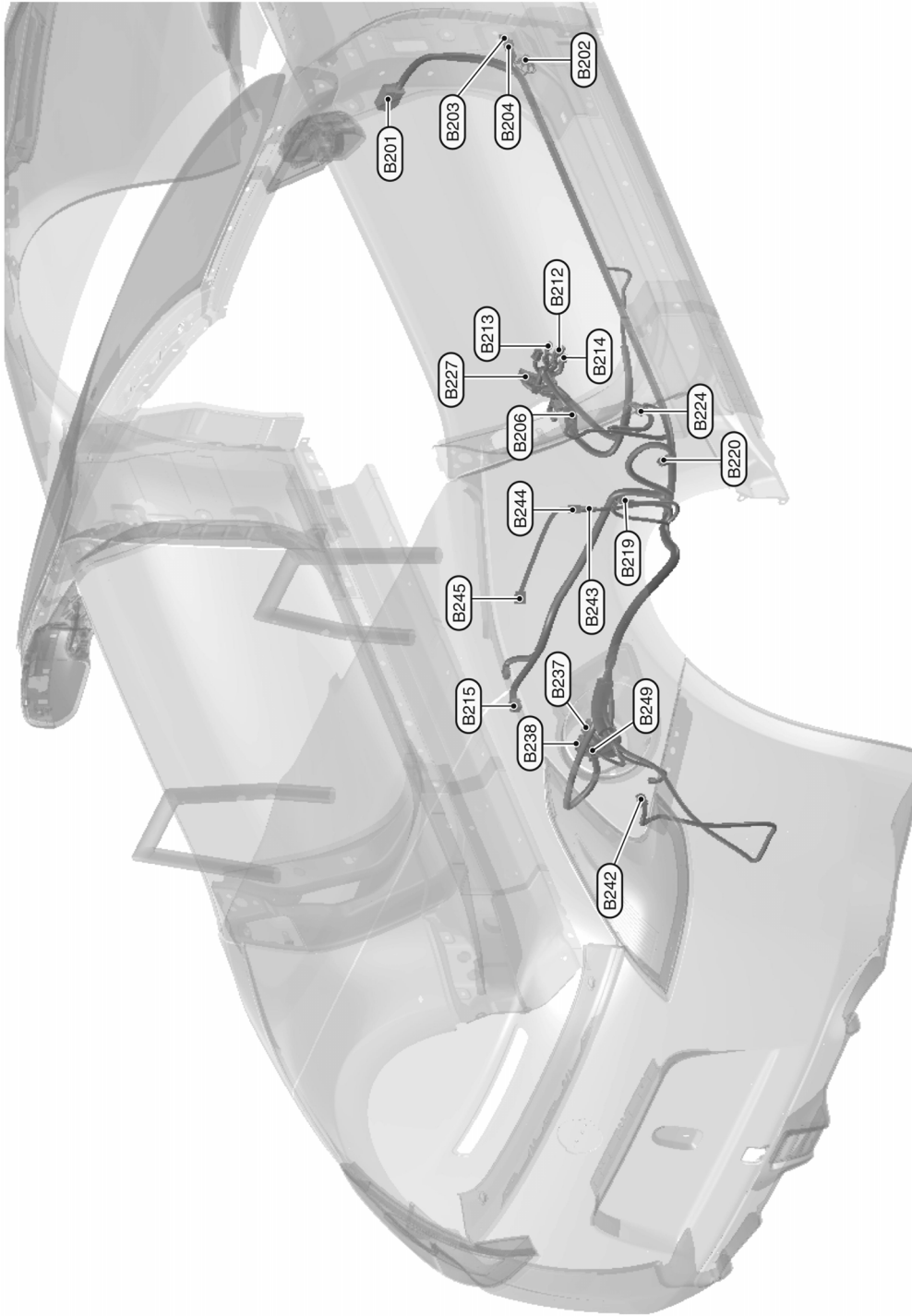
# HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

Regular Grade

BODY No. 2 HARNES (ROADSTER MODELS) (REGULAR GRADE)



2014/05/12

JRMIC4672GB

Door Harness

DOOR HARNES (DRIVER SIDE DOOR)

INFOID:000000011375726

# HARNESS LAYOUT

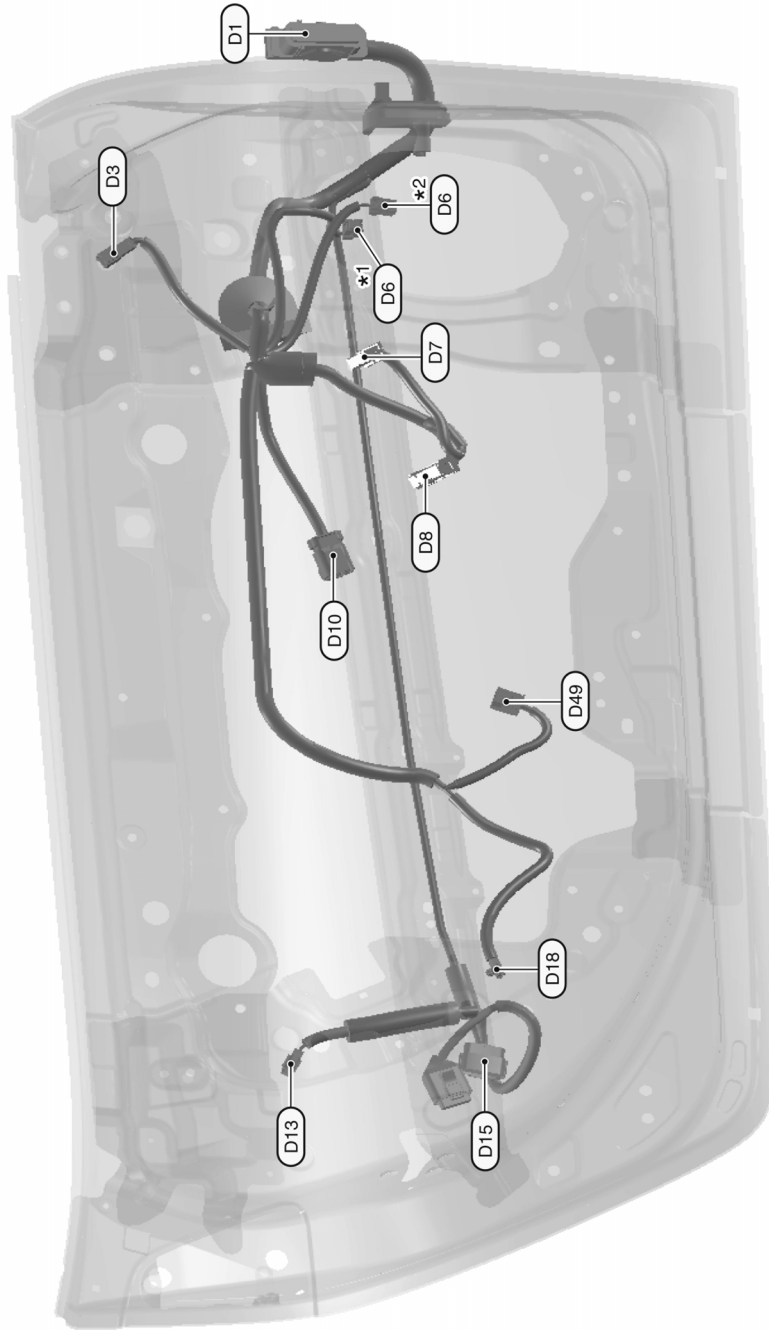
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

Regular Grade

## DOOR HARNESS (DRIVER SIDE DOOR) (REGULAR GRADE)

\*1 : With BOSE system  
\*2 : Without BOSE system



2014/05/12

JRMIC4673GB

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PG

# HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

Nismo

DOOR HARNESS (DRIVER SIDE DOOR) (NISMO)

\*1 : With BOSE system  
\*2 : Without BOSE system



DOOR HARNESS (PASSENGER SIDE DOOR)

JRMIC4686GB  
2014/05/12

# HARNESS LAYOUT

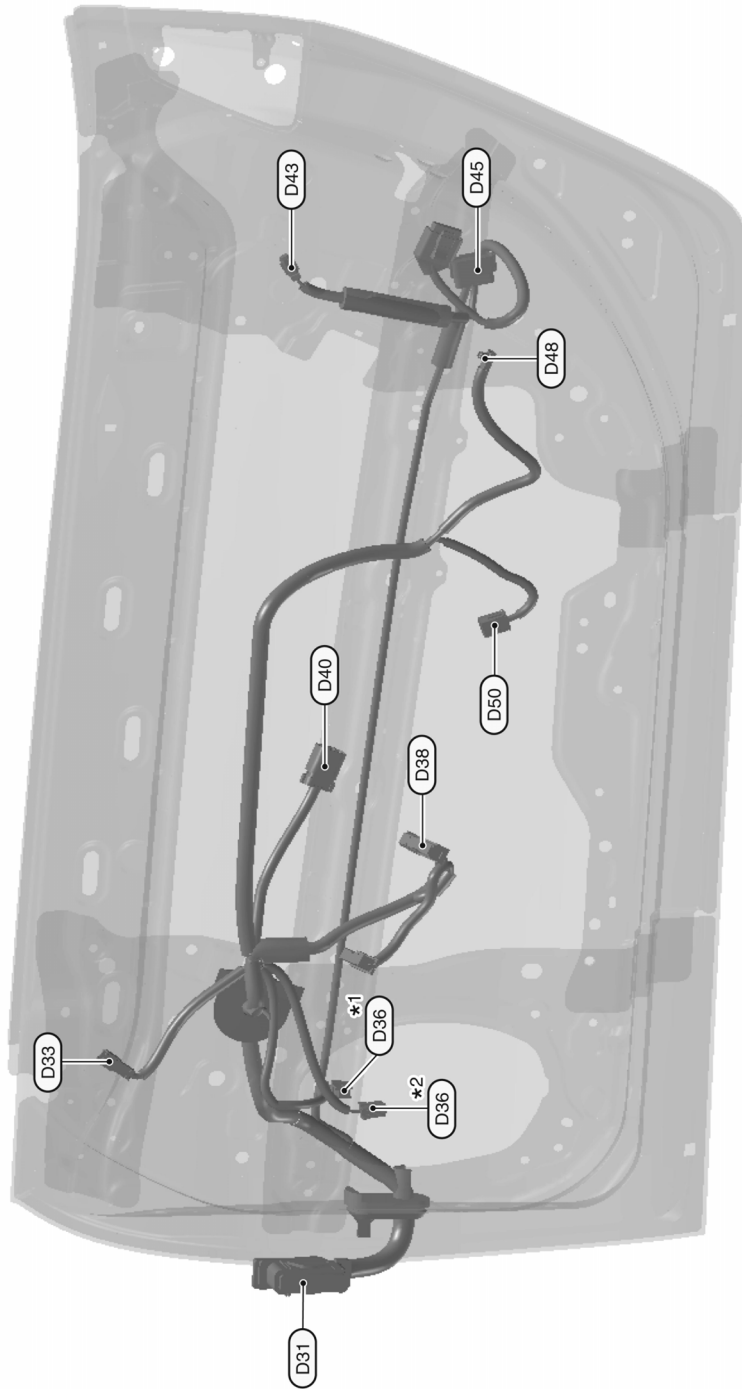
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

Regular Grade

## DOOR HARNESS (PASSENGER SIDE DOOR) (REGULAR GRADE)

- \*1 : With BOSE system
- \*2 : Without BOSE system



2014/05/12

JRMIC4674GB

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# HARNESS LAYOUT

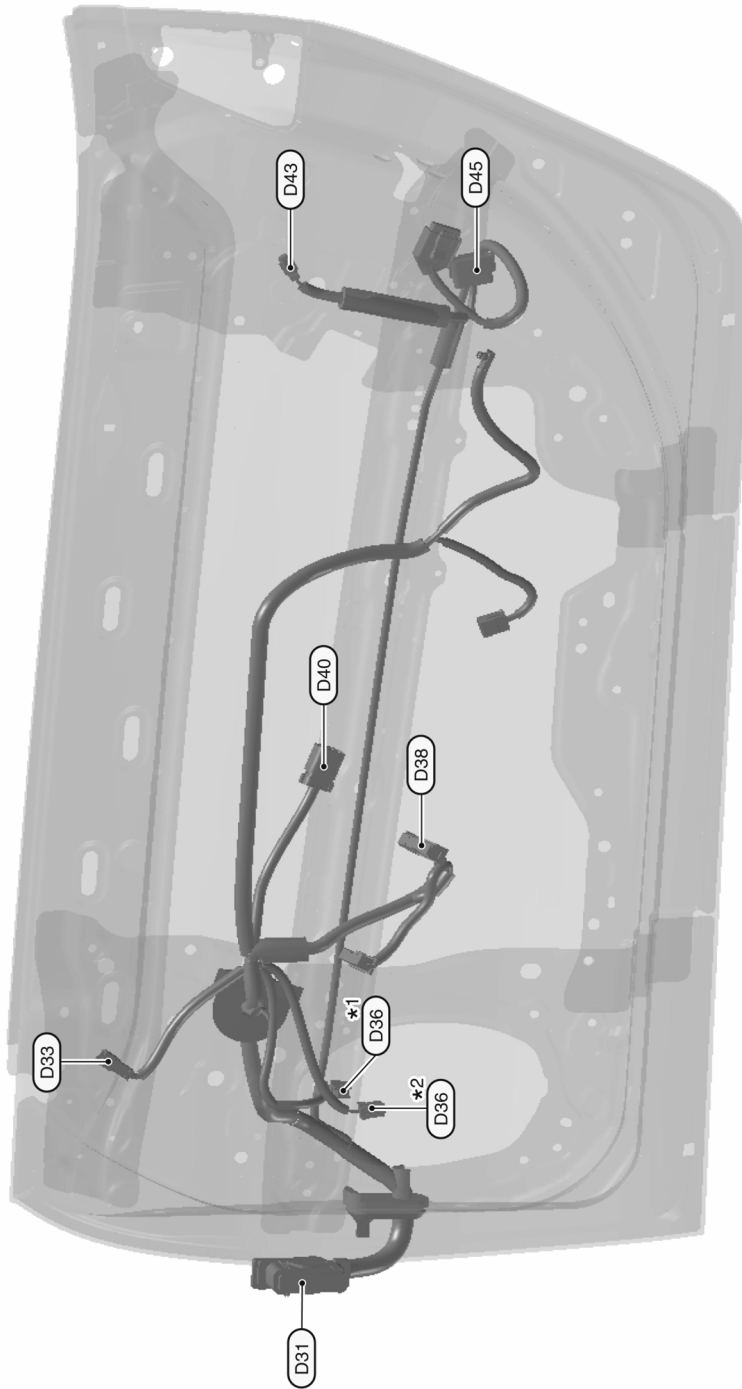
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

Nismo

DOOR HARNESS (PASSENGER SIDE DOOR) (NISMO)

\*1 : With BOSE system  
\*2 : Without BOSE system



2014/05/12

JRMIC4687GB

BACK DOOR HARNESS (COUPE MODELS)

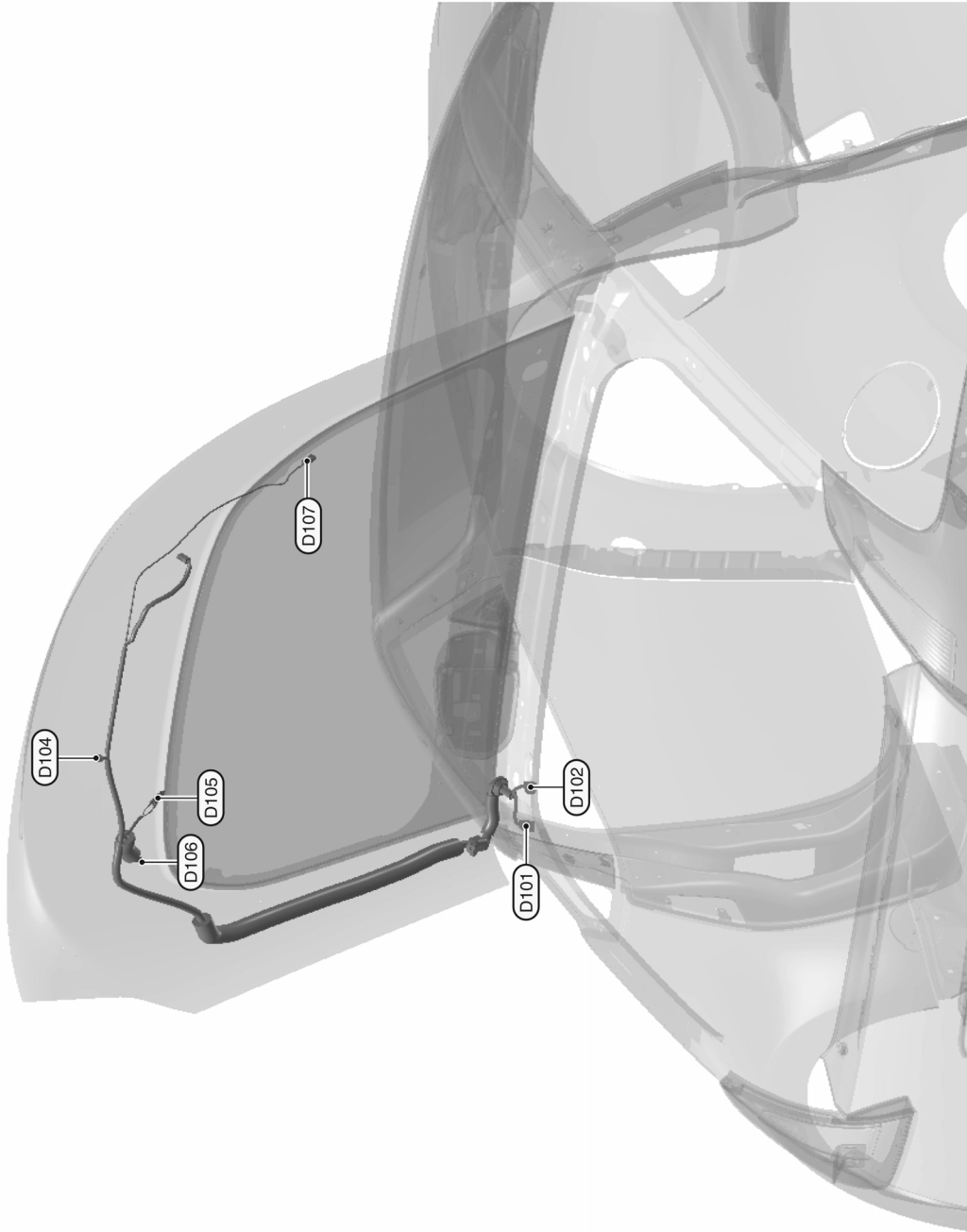
# HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

Regular Grade

BACK DOOR HARNES (COUPE MODELS) (REGULAR GRADE)



- A
- B
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2014/05/12

JRMIC4675GB

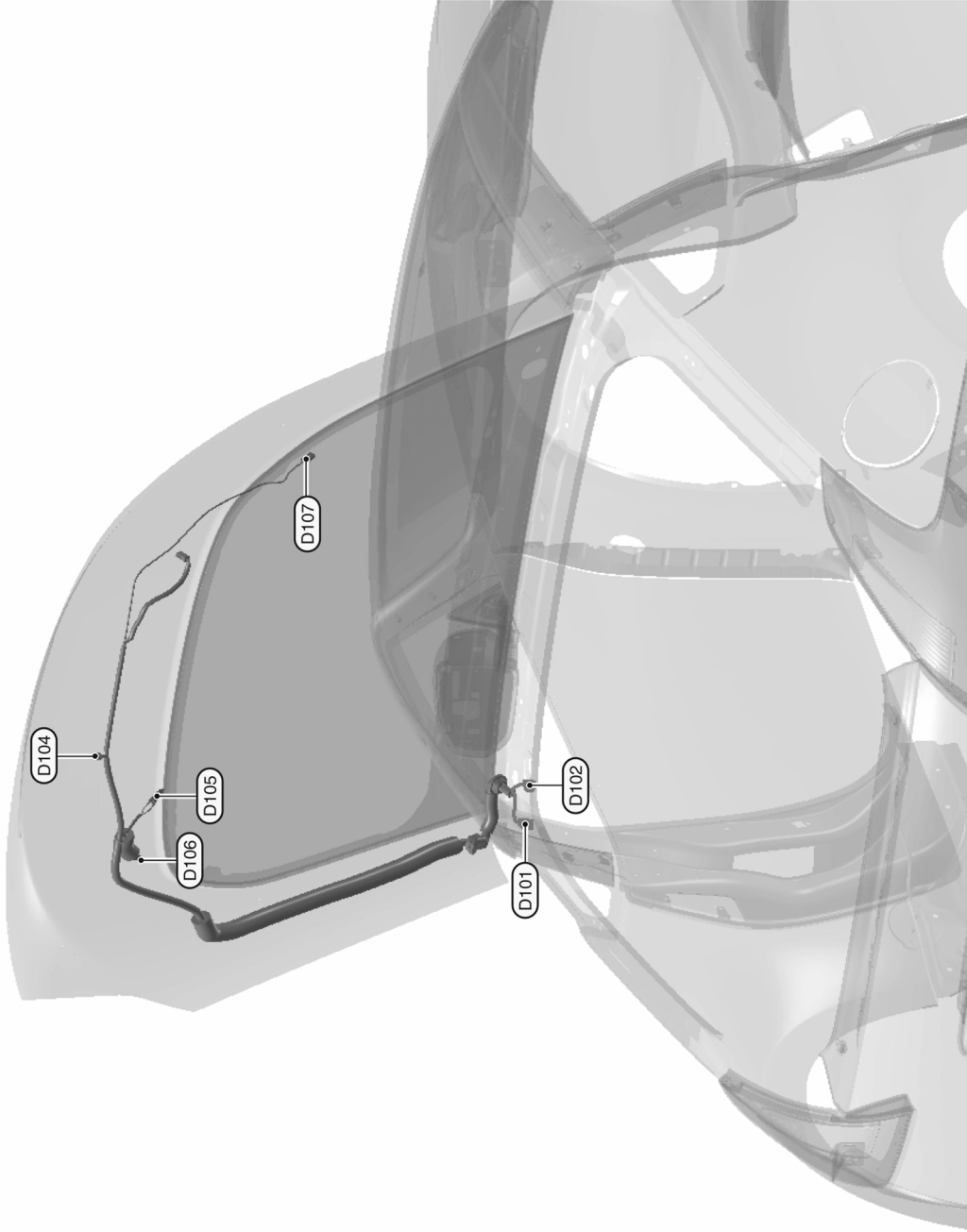
# HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

Nismo

BACK DOOR HARNES (COUPE MODELS) (NISMO)



2014/05/12

JRMIC4688GB



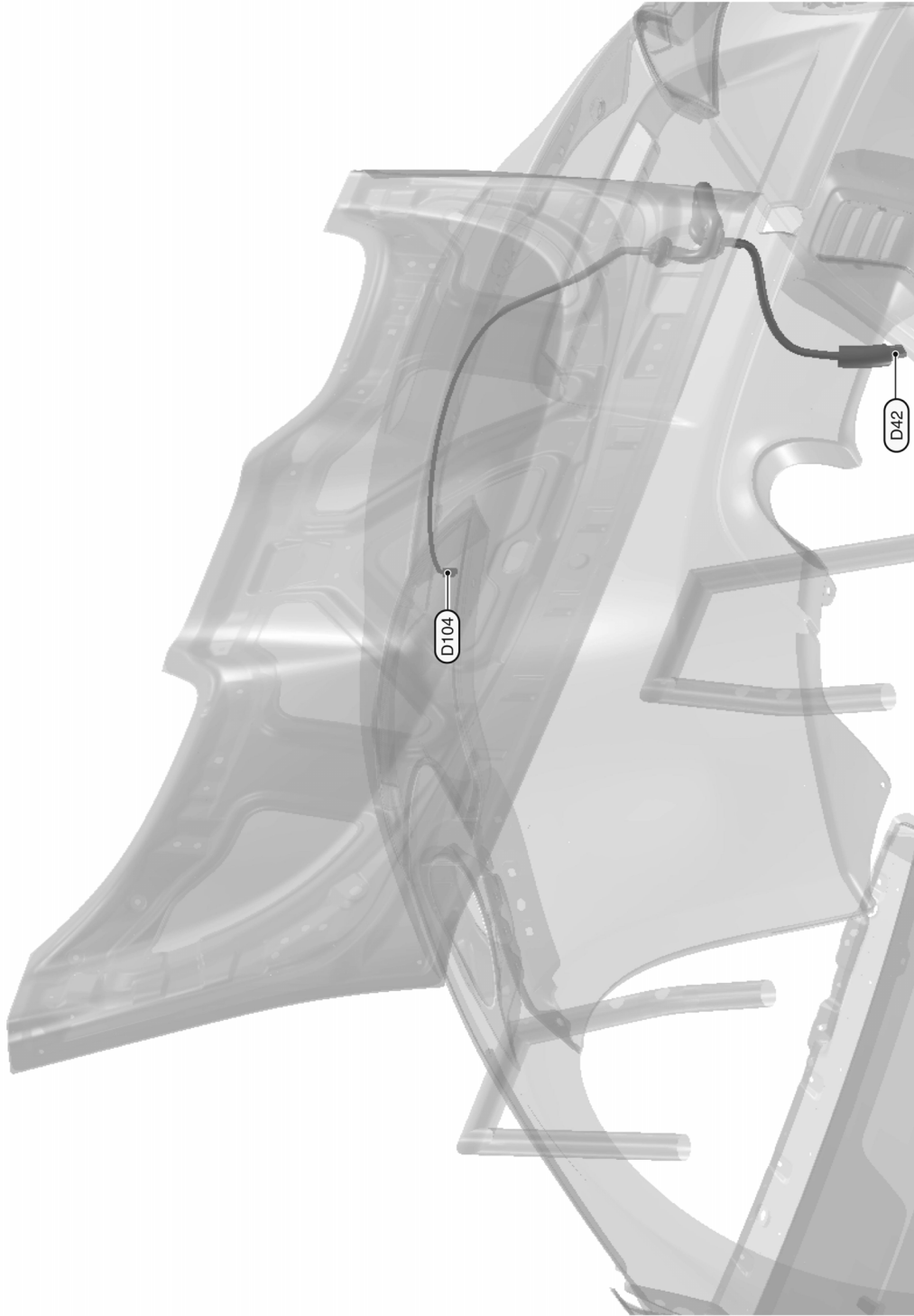
# HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

Roadster Models

BACK DOOR HARNESS (ROADSTER MODELS) (REGULAR GRADE)



2014/05/12

JRMIC4676GB

BACK DOOR HARNESS (ROADSTER MODELS)

- A
- B
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- D
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- F
- G
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- K
- L
- PG
- N
- O
- P

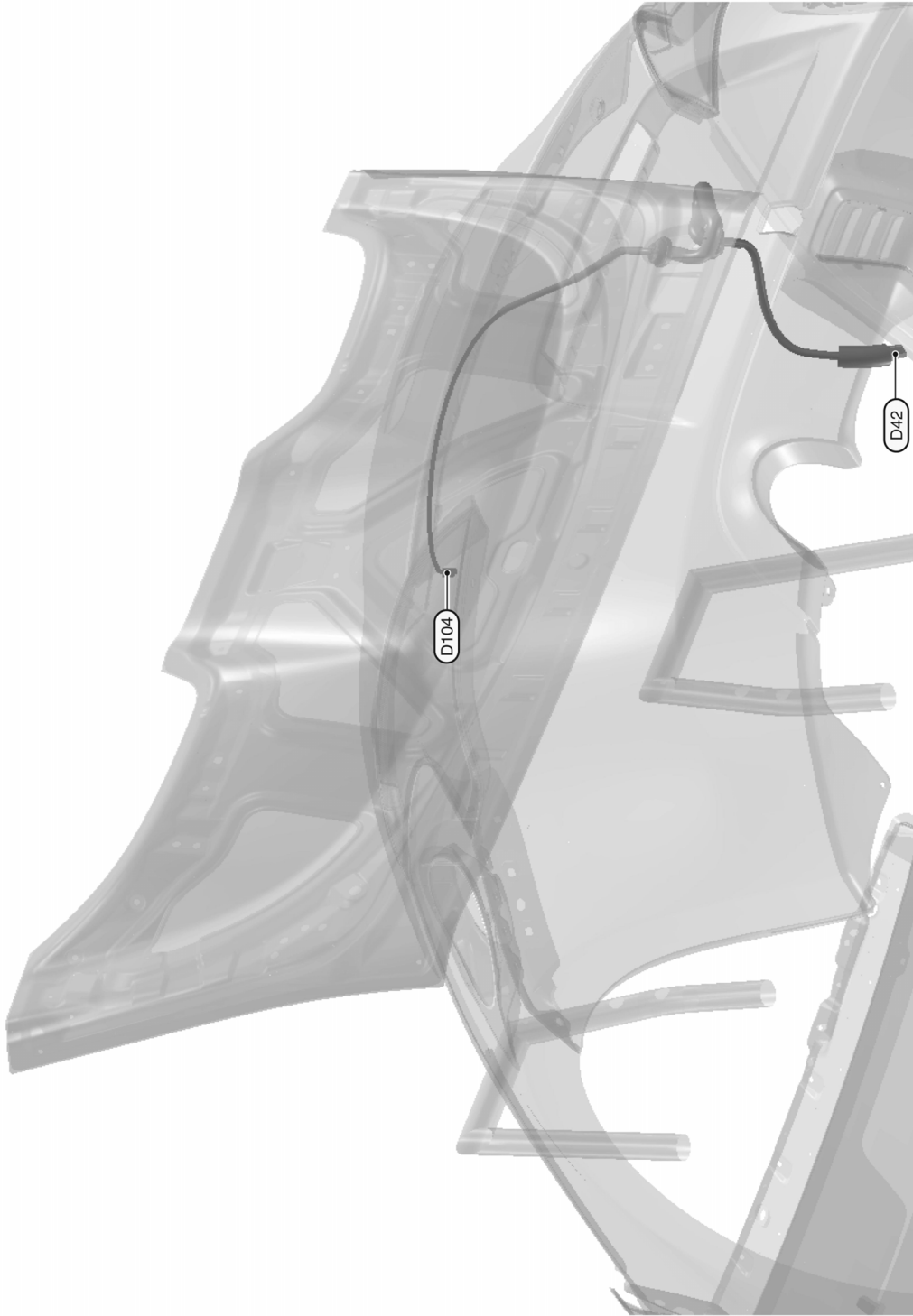
# HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

Regular Grade

BACK DOOR HARNES (ROADSTER MODELS) (REGULAR GRADE)



2014/05/12

JRMIC4676GB

Room Lamp Harness

COUPE MODELS

INFOID:000000011375727

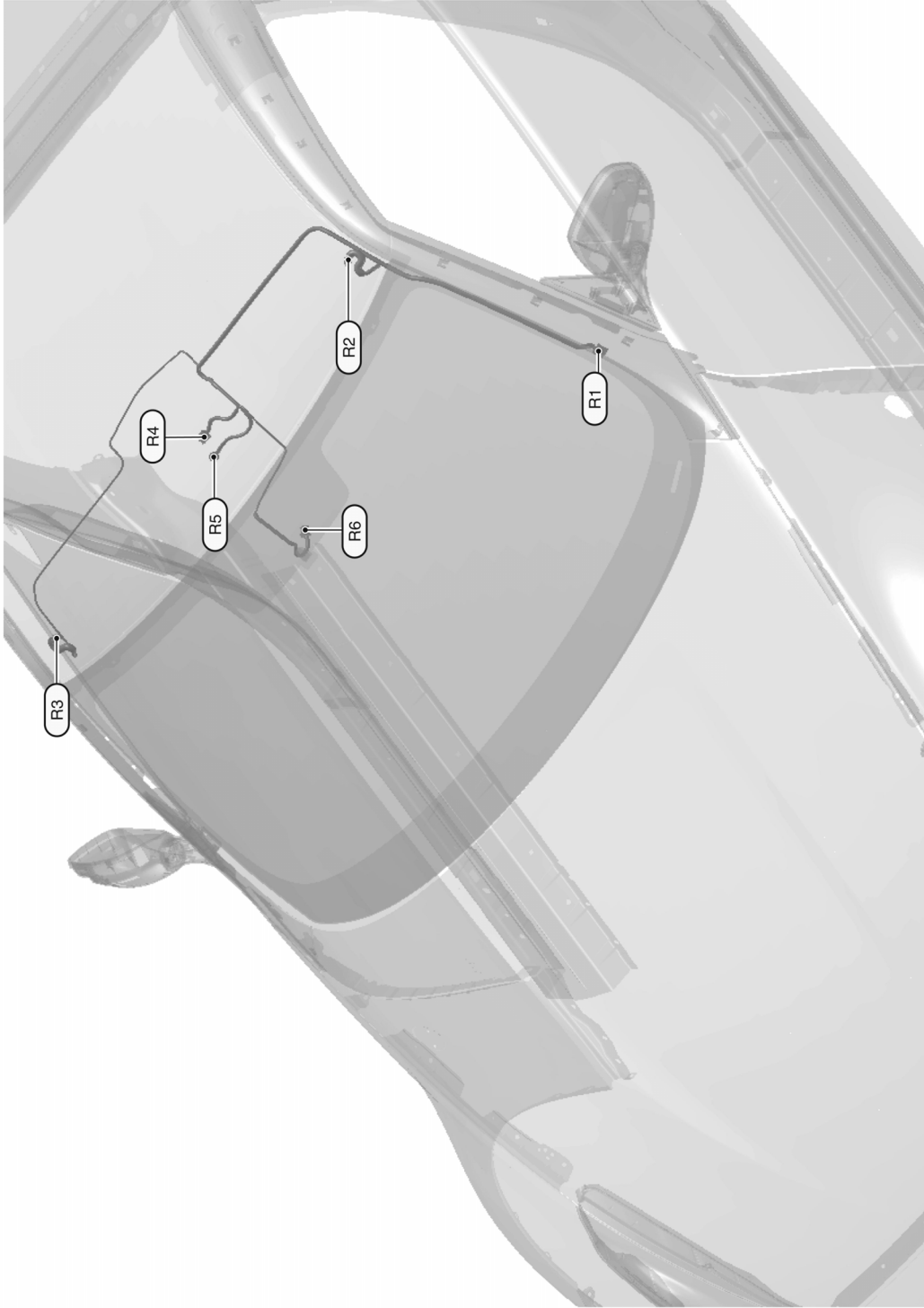
# HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

Regular Grade

ROOM LAMP HARNES (COUPE MODELS) (REGULAR GRADE)



2014/05/12

JRMIC4677GB

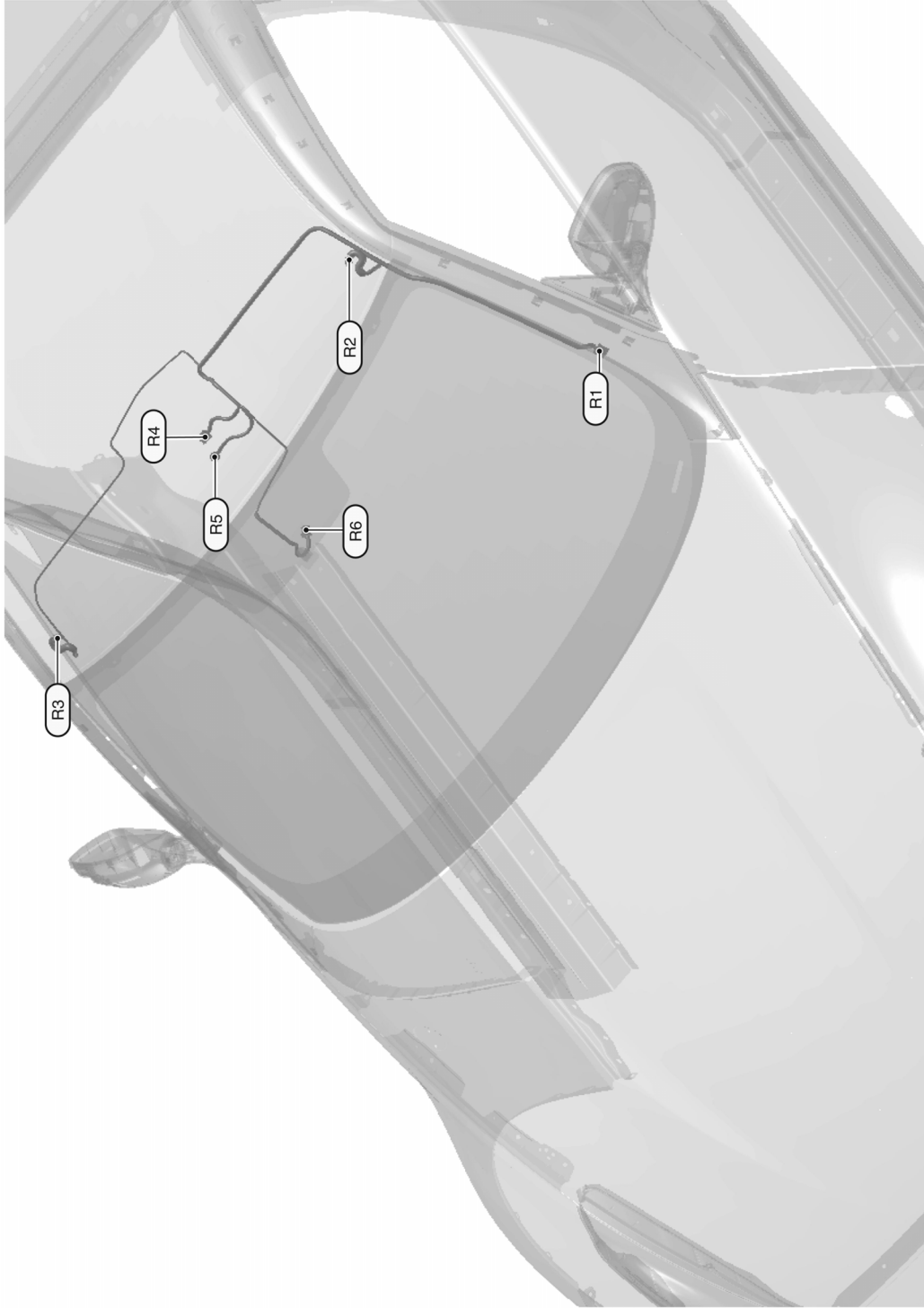
A  
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# HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

Nismo



ROOM LAMP HARNESS (COUPE MODELS) (NISMO)

2014/05/12

JRMIC4689GB

ROADSTER MODELS

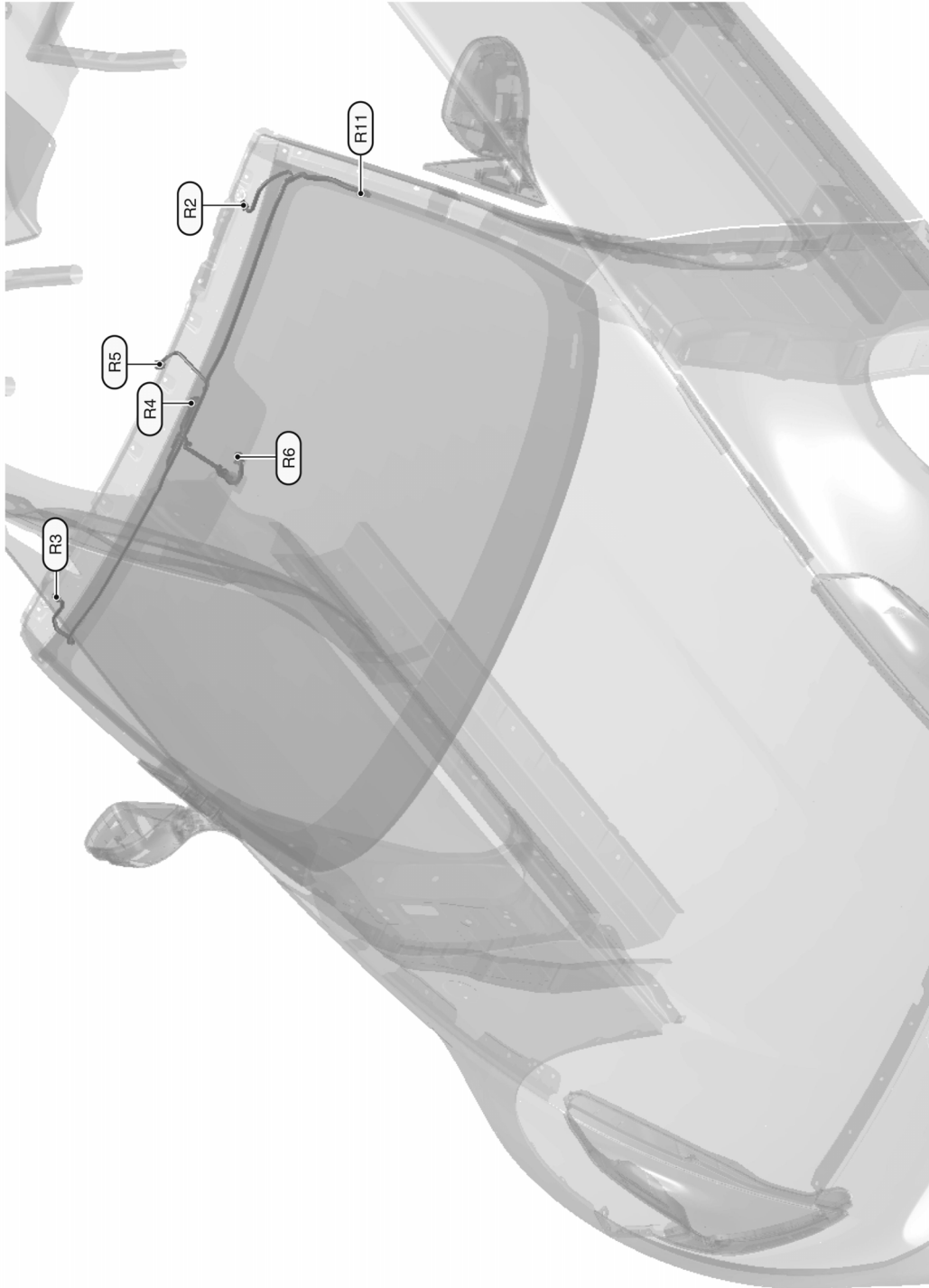
# HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

Regular Grade

ROOM LAMP HARNES (ROADSTER MODELS) (REGULAR GRADE)



2014/05/12

JRMIC4678GB

- A
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- PG
- N
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# HARNESS CONNECTOR

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## HARNESS CONNECTOR

### Description

INFOID:000000010838467

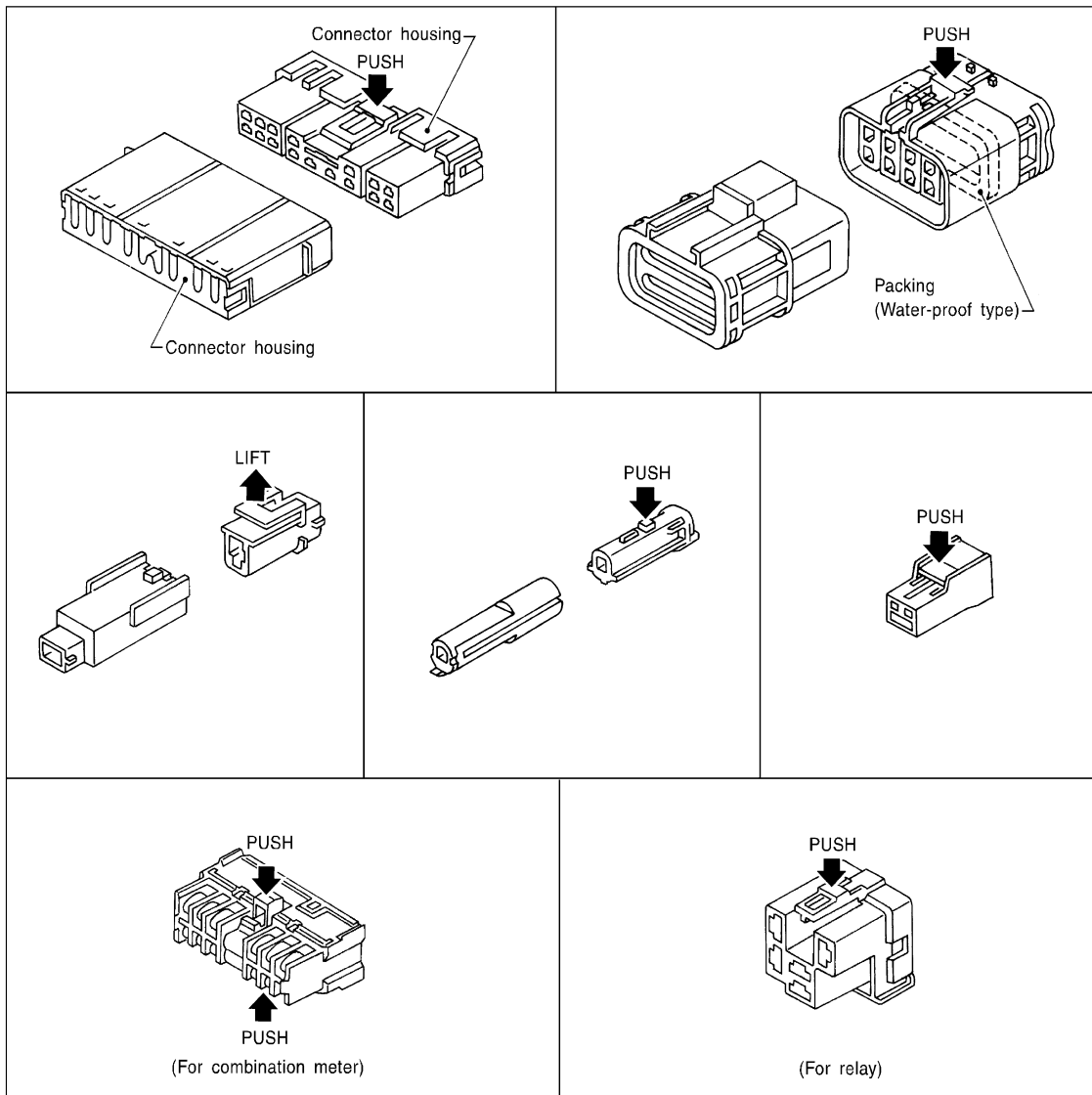
#### HARNESS CONNECTOR (TAB-LOCKING TYPE)

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

#### **CAUTION:**

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

[Example]



SEL769DA

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

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

# HARNESS CONNECTOR

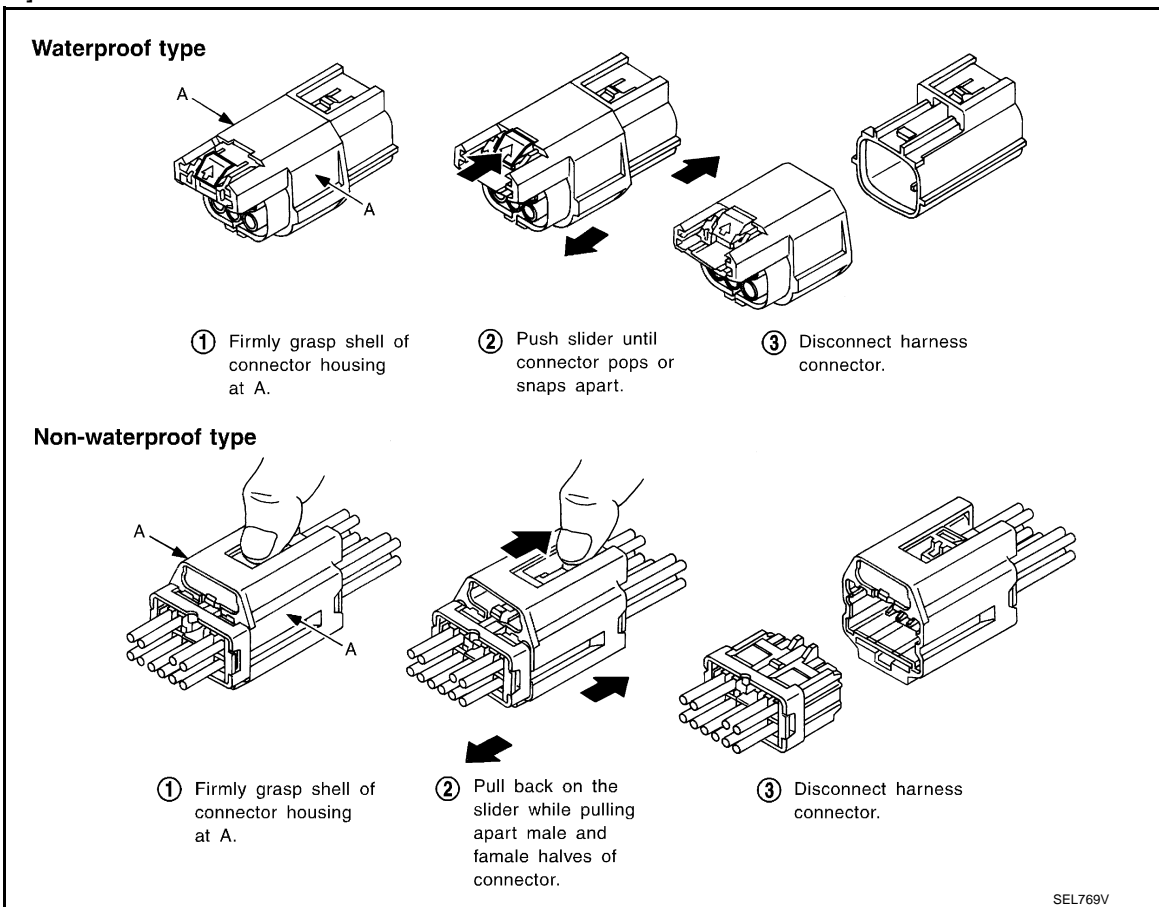
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

**CAUTION:**

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

[Example]



## HARNESS CONNECTOR (LEVER LOCKING TYPE)

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

**CAUTION:**

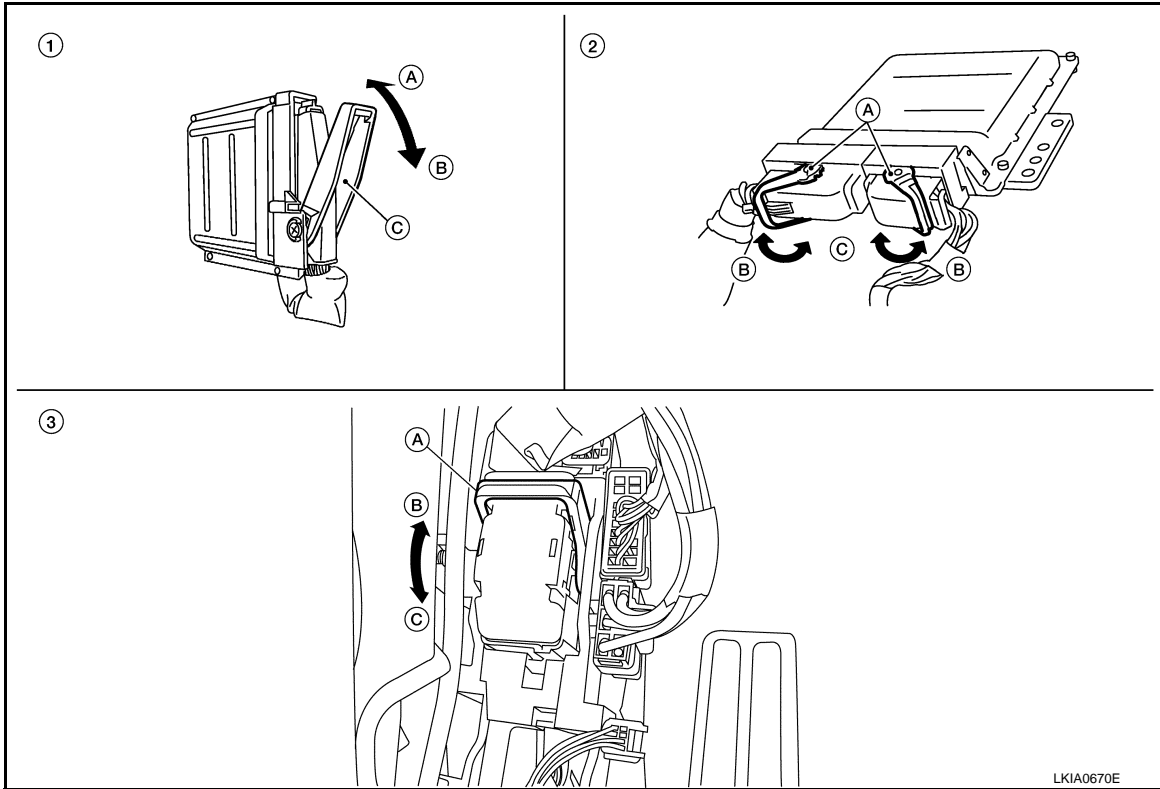
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# HARNESS CONNECTOR

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

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



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

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

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



# STANDARDIZED RELAY

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

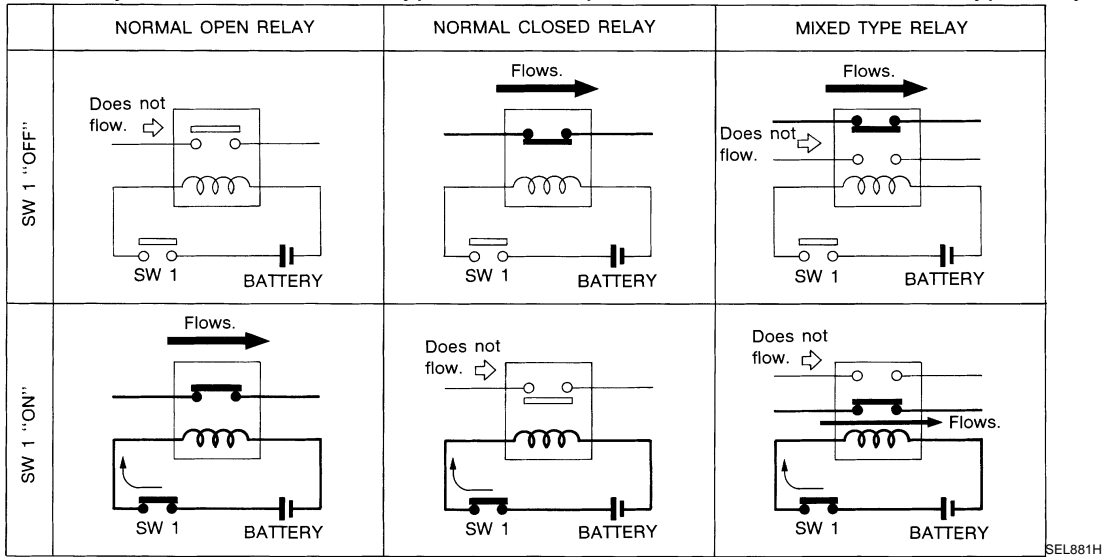
## STANDARDIZED RELAY

### Description

INFOID:000000010838468

### 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

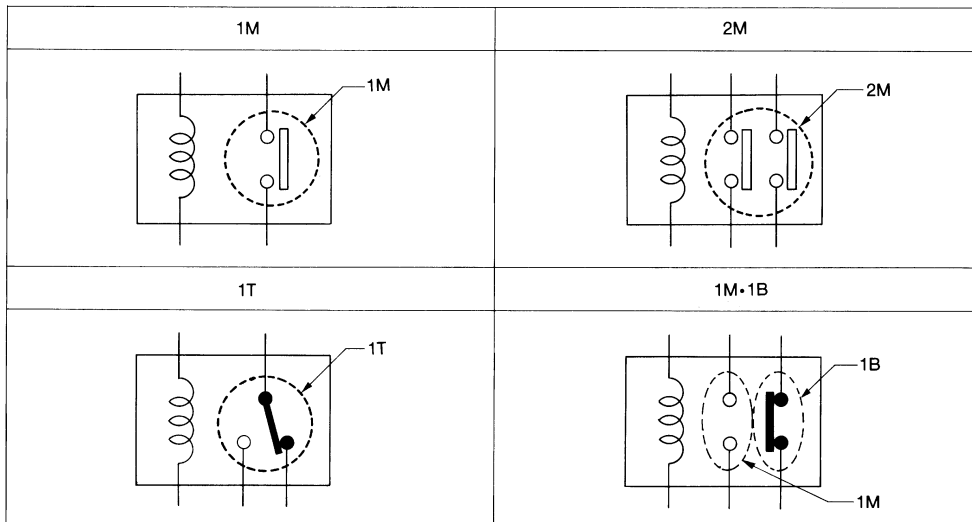
### TYPE OF STANDARDIZED RELAYS

1M ..... 1 Make

2M ..... 2 Make

1T ..... 1 Transfer

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

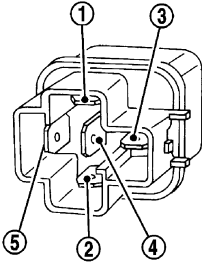
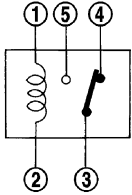
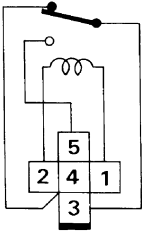
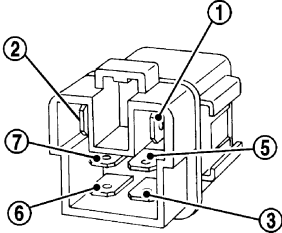
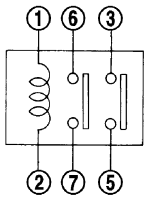
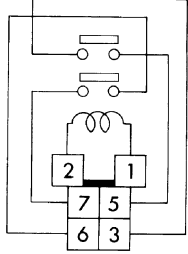
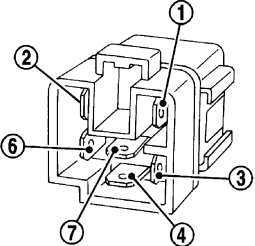
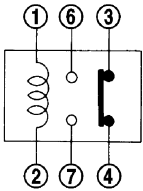
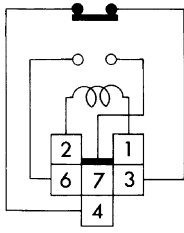
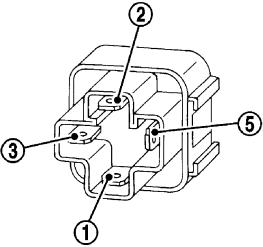
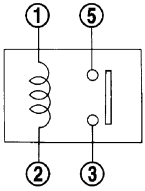
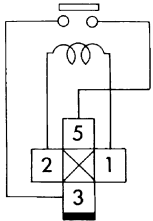
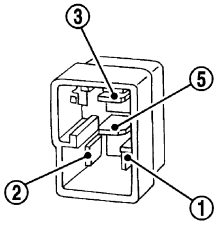
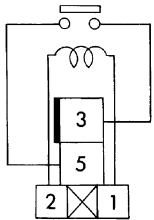


SEL882H

# 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)

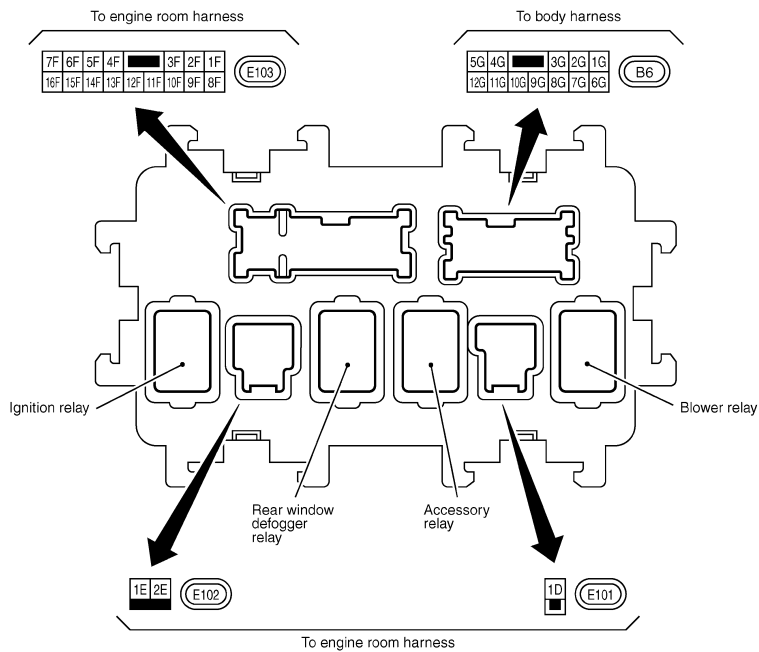
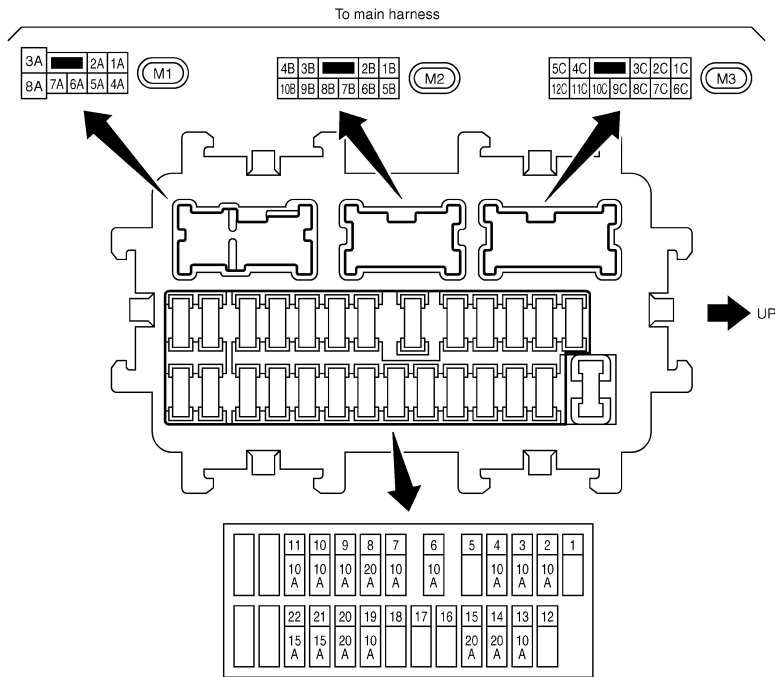
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

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

### Fuse, Connector and Terminal Arrangement

INFOID:000000010838469



2011/07/19

JRMWC4677GB

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# FUSE, FUSIBLE LINK AND RELAY BOX

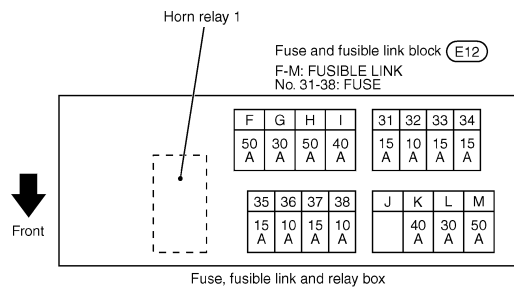
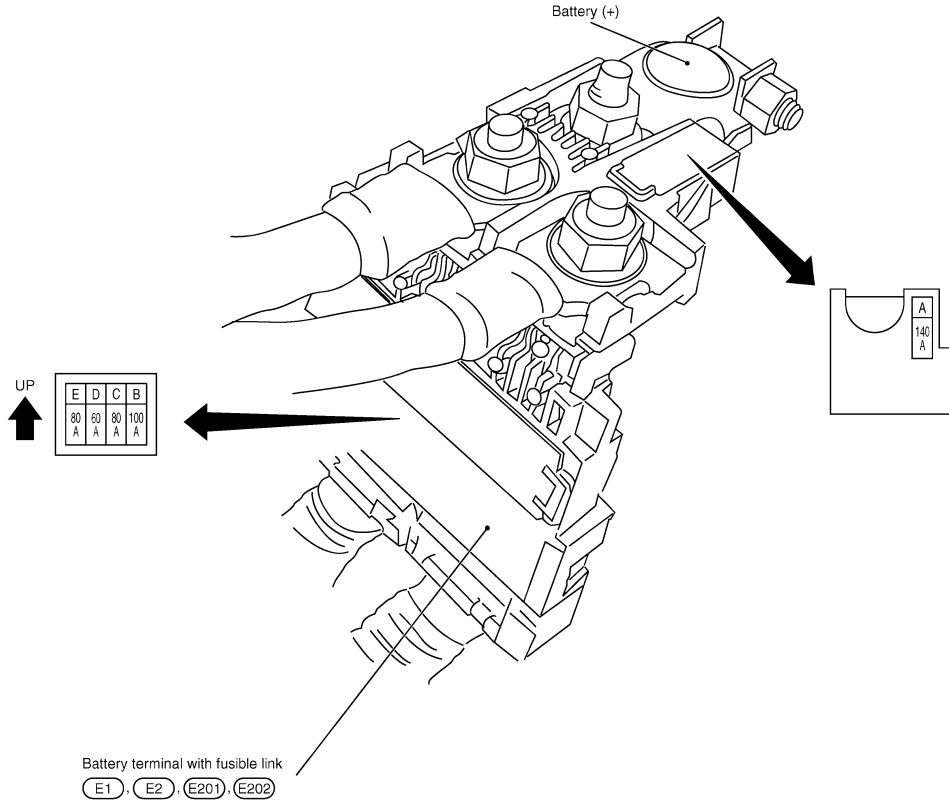
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## FUSE, FUSIBLE LINK AND RELAY BOX

### Fuse and Fusible Link Arrangement

INFOID:000000010838470



2011/07/19

JRMWC4678GB

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

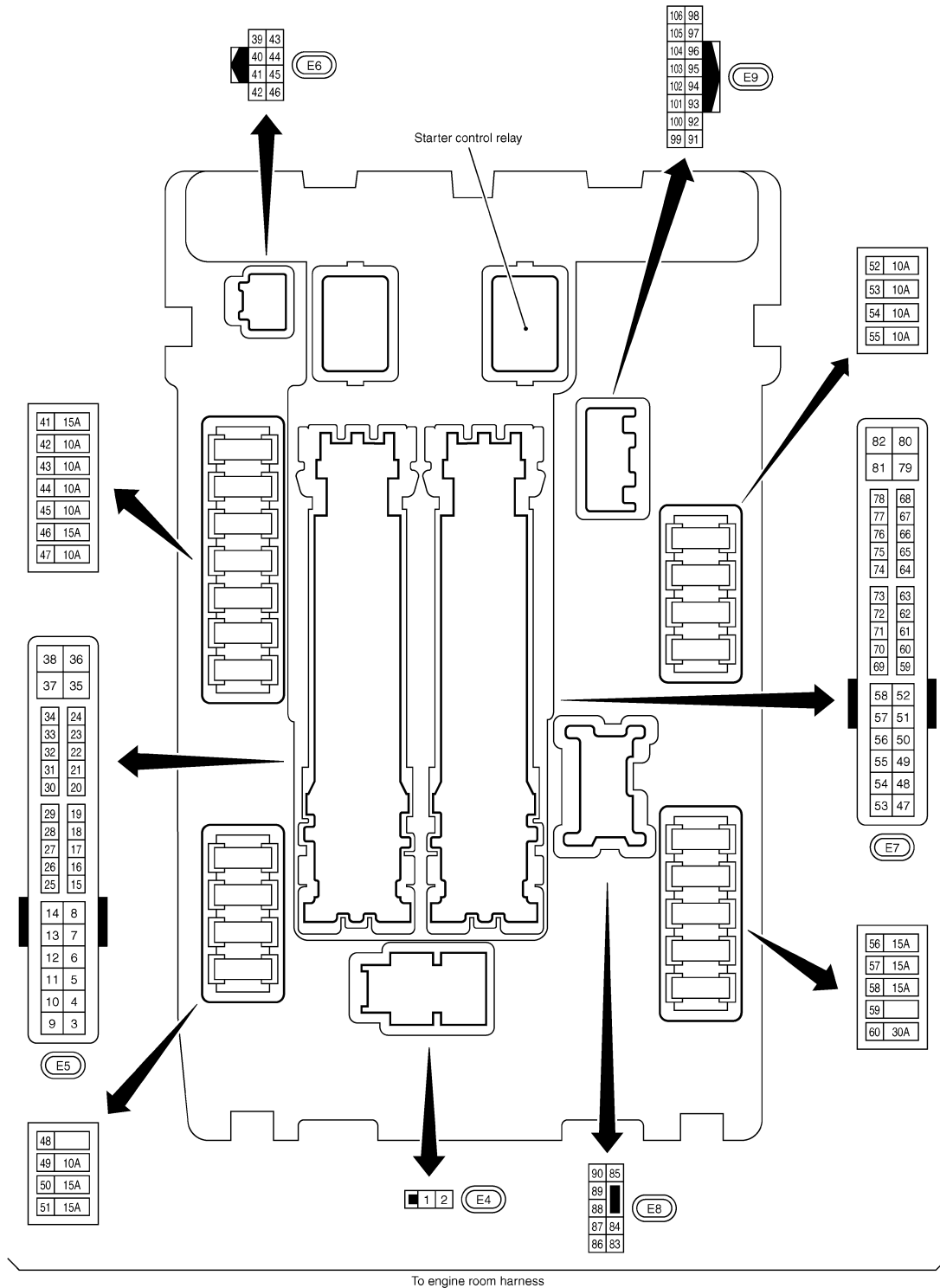
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

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

### Fuse, Connector and Terminal Arrangement

INFOID:000000010838471



2012/04/18

JRMWD0800GB

< PRECAUTION >

PRECAUTION

PRECAUTIONS

EXCEPT FOR MEXICO

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

INFOID:0000000110838472

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

**WARNING:**

Always observe the following items for preventing accidental activation.

- To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision that would result in air bag inflation, all maintenance must be performed by an authorized NISSAN/INFINITI dealer.
- Improper maintenance, including incorrect removal and installation of the SRS, can lead to personal injury caused by unintentional activation of the system. For removal of Spiral Cable and Air Bag Module, see "SRS AIR BAG".
- Never use electrical test equipment on any circuit related to the SRS unless instructed to in this Service Manual. SRS wiring harnesses can be identified by yellow and/or orange harnesses or harness connectors.

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

**WARNING:**

Always observe the following items for preventing accidental activation.

- When working near the Air Bag Diagnosis Sensor Unit or other Air Bag System sensors with the ignition ON or engine running, never use air or electric power tools or strike near the sensor(s) with a hammer. Heavy vibration could activate the sensor(s) and deploy the air bag(s), possibly causing serious injury.
- When using air or electric power tools or hammers, always switch the ignition OFF, disconnect the battery, and wait at least 3 minutes before performing any service.

EXCEPT FOR MEXICO : Precaution for Battery Service

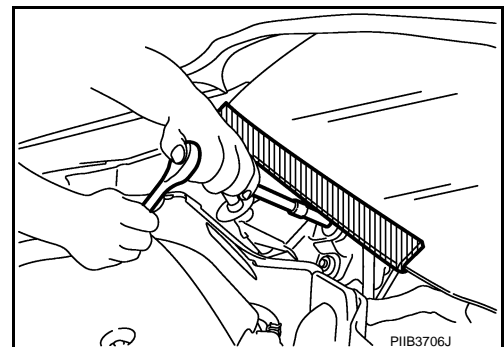
INFOID:0000000110838473

Before disconnecting the battery, lower both the driver and passenger windows. This will prevent any interference between the window edge and the vehicle when the door is opened/closed. During normal operation, the window slightly raises and lowers automatically to prevent any window to vehicle interference. The automatic window function will not work with the battery disconnected.

EXCEPT FOR MEXICO : Precaution for Procedure without Cowl Top Cover

INFOID:0000000110838474

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



## PRECAUTIONS

< PRECAUTION >

[POWER SUPPLY&GROUND CIRCUIT]

### EXCEPT FOR MEXICO : Precautions for Removing Battery Terminal

INFOID:000000011351144

- When removing the 12V battery terminal, turn OFF the ignition switch and wait at least 30 seconds.

**NOTE:**

ECU may be active for several tens of seconds after the ignition switch is turned OFF. If the battery terminal is removed before ECU stops, then a DTC detection error or ECU data corruption may occur.

- For vehicles with the 2-batteries, be sure to connect the main battery and the sub battery before turning ON the ignition switch.

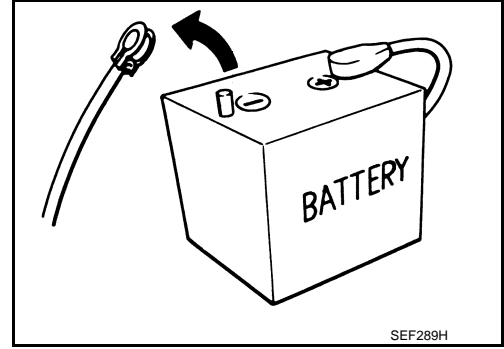
**NOTE:**

If the ignition switch is turned ON with any one of the terminals of main battery and sub battery disconnected, then DTC may be detected.

- After installing the 12V battery, always check "Self Diagnosis Result" of all ECUs and erase DTC.

**NOTE:**

The removal of 12V battery may cause a DTC detection error.



### FOR MEXICO

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

INFOID:000000010838475

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:**

Always observe the following items for preventing accidental activation.

- To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision that would result in air bag inflation, all maintenance must be performed by an authorized NISSAN/INFINITI dealer.
- Improper maintenance, including incorrect removal and installation of the SRS, can lead to personal injury caused by unintentional activation of the system. For removal of Spiral Cable and Air Bag Module, see "SRS AIR BAG".
- Never use electrical test equipment on any circuit related to the SRS unless instructed to in this Service Manual. SRS wiring harnesses can be identified by yellow and/or orange harnesses or harness connectors.

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

**WARNING:**

Always observe the following items for preventing accidental activation.

- When working near the Air Bag Diagnosis Sensor Unit or other Air Bag System sensors with the ignition ON or engine running, never use air or electric power tools or strike near the sensor(s) with a hammer. Heavy vibration could activate the sensor(s) and deploy the air bag(s), possibly causing serious injury.
- When using air or electric power tools or hammers, always switch the ignition OFF, disconnect the battery, and wait at least 3 minutes before performing any service.

### FOR MEXICO : Precaution for Battery Service

INFOID:000000010838476

Before disconnecting the battery, lower both the driver and passenger windows. This will prevent any interference between the window edge and the vehicle when the door is opened/closed. During normal operation, the window slightly raises and lowers automatically to prevent any window to vehicle interference. The automatic window function will not work with the battery disconnected.

## PRECAUTIONS

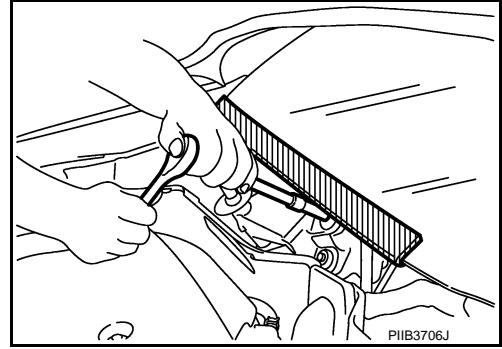
< PRECAUTION >

[POWER SUPPLY&GROUND CIRCUIT]

### FOR MEXICO : Precaution for Procedure without Cowl Top Cover

INFOID:000000010838477

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



### FOR MEXICO : Precautions for Removing Battery Terminal

INFOID:000000011351145

- When removing the 12V battery terminal, turn OFF the ignition switch and wait at least 30 seconds.

**NOTE:**

ECU may be active for several tens of seconds after the ignition switch is turned OFF. If the battery terminal is removed before ECU stops, then a DTC detection error or ECU data corruption may occur.

- For vehicles with the 2-batteries, be sure to connect the main battery and the sub battery before turning ON the ignition switch.

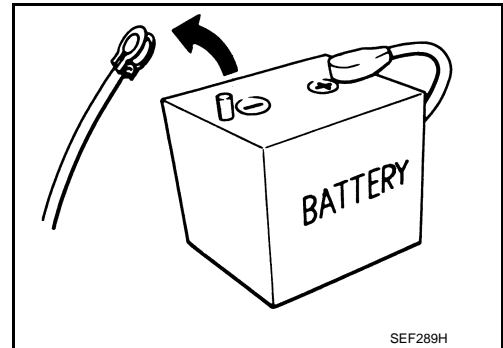
**NOTE:**

If the ignition switch is turned ON with any one of the terminals of main battery and sub battery disconnected, then DTC may be detected.

- After installing the 12V battery, always check "Self Diagnosis Result" of all ECUs and erase DTC.

**NOTE:**

The removal of 12V battery may cause a DTC detection error.






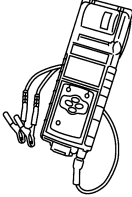
< PREPARATION >

PREPARATION

PREPARATION

Special Service Tools

INFOID:0000000010838478

Tool number (Techmate No.) Tool name	Description
<p>— (→) Model GR8-1200 NI Multitasking battery and electrical diagnostic station</p>  <p style="text-align: right; font-size: small;">AWI1A1239ZZ</p>	<p>Tests batteries, starting and charging systems and charges batteries. For operating instructions, refer to diagnostic station instruction manual.</p>
<p>— (→) Model EXP-800 NI Battery and electrical diagnostic analyzer</p>  <p style="text-align: right; font-size: small;">JSMIA0806ZZ</p>	<p>Tests batteries and charging systems. For operating instructions, refer to diagnostic analyzer instruction manual.</p>

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# BATTERY

< REMOVAL AND INSTALLATION >

[POWER SUPPLY&GROUND CIRCUIT]

## REMOVAL AND INSTALLATION

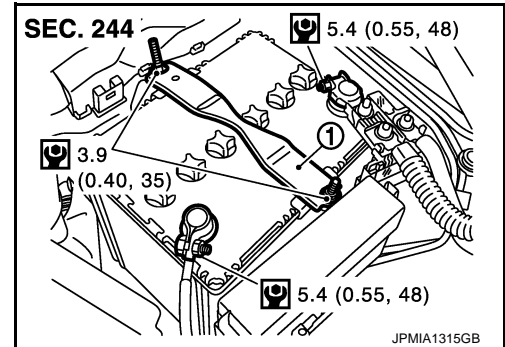
### BATTERY

#### Exploded View

INFOID:000000010838479

1 : Battery fix frame

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



#### Removal and Installation

INFOID:000000010838480

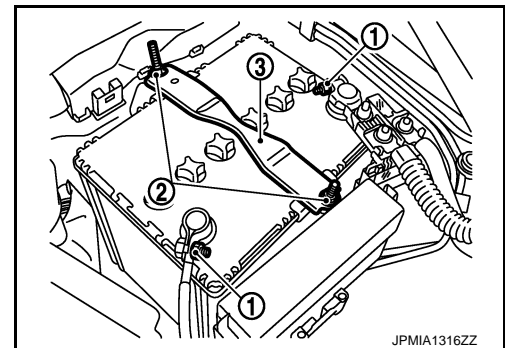
##### REMOVAL

1. Remove battery cover.
2. Remove cowl top cover RH. Refer to [EXT-29, "Exploded View"](#).
3. Remove cover of battery positive terminal.
4. 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.**

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



##### INSTALLATION

Install in the reverse order of removal.

**CAUTION:**

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

Reset electronic systems as necessary. Refer to [GI-58, "ADDITIONAL SERVICE WHEN REMOVING BATTERY NEGATIVE TERMINAL : Required Procedure After Battery Disconnection"](#).

# BATTERY TERMINAL WITH FUSIBLE LINK

< REMOVAL AND INSTALLATION >

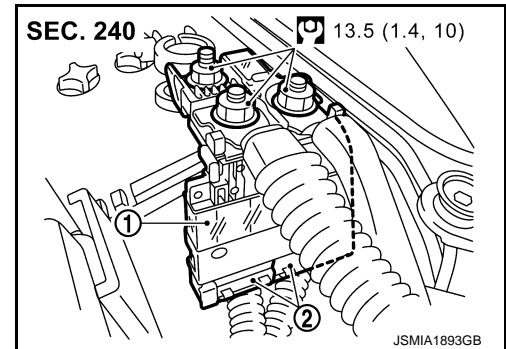
[POWER SUPPLY&GROUND CIRCUIT]

## BATTERY TERMINAL WITH FUSIBLE LINK

### Exploded View

INFOID:000000010838481

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

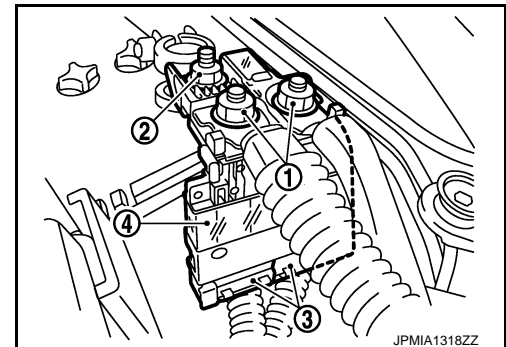


### Removal and Installation

INFOID:000000010838482

#### REMOVAL

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



#### INSTALLATION

Install in the reverse order of removal.

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# 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:0000000010838483

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