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SECTION

POWER SUPPLY, GROUND & CIRCUIT ELEMENTS

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BASIC INSPECTION

BATTERY

How to Handle Battery

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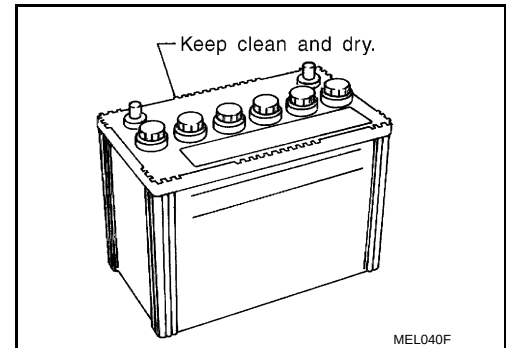
CAUTION:

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

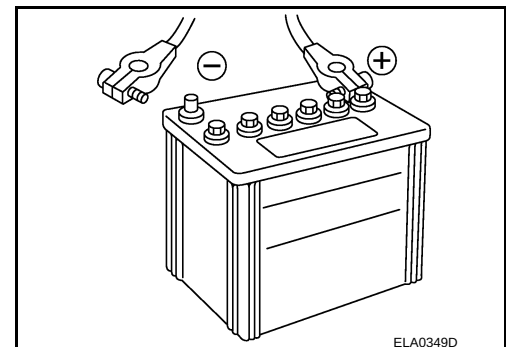
METHODS OF PREVENTING OVER-DISCHARGE

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

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



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



Work Flow

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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:

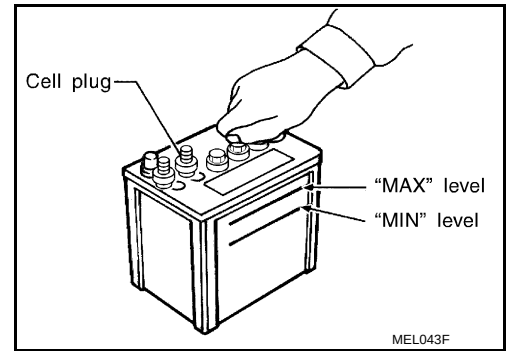
Never allow battery fluid to come in contact with skin, eyes, fabrics, or painted surfaces. After touching a battery, never touch or rub your eyes until you have thoroughly washed your hands. If acid contacts eyes, skin or clothing, immediately flush with water for 15 minutes and seek medical attention.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

BATTERY

< BASIC INSPECTION >

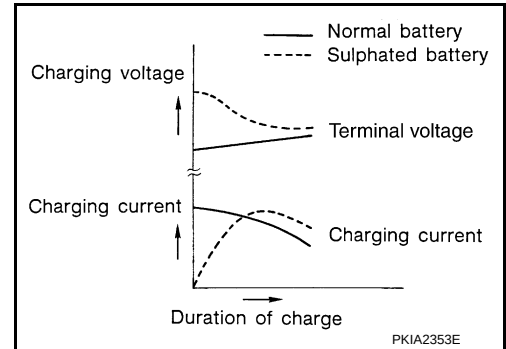
[POWER SUPPLY & GROUND CIRCUIT]

- 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.



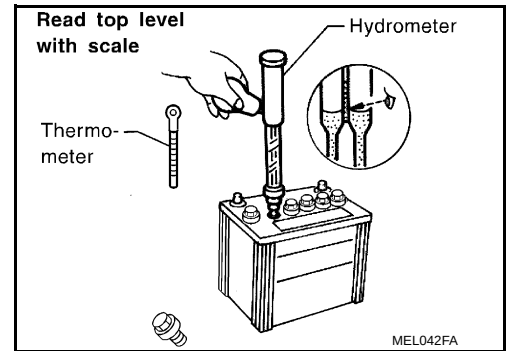
Specific Gravity Check

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.

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

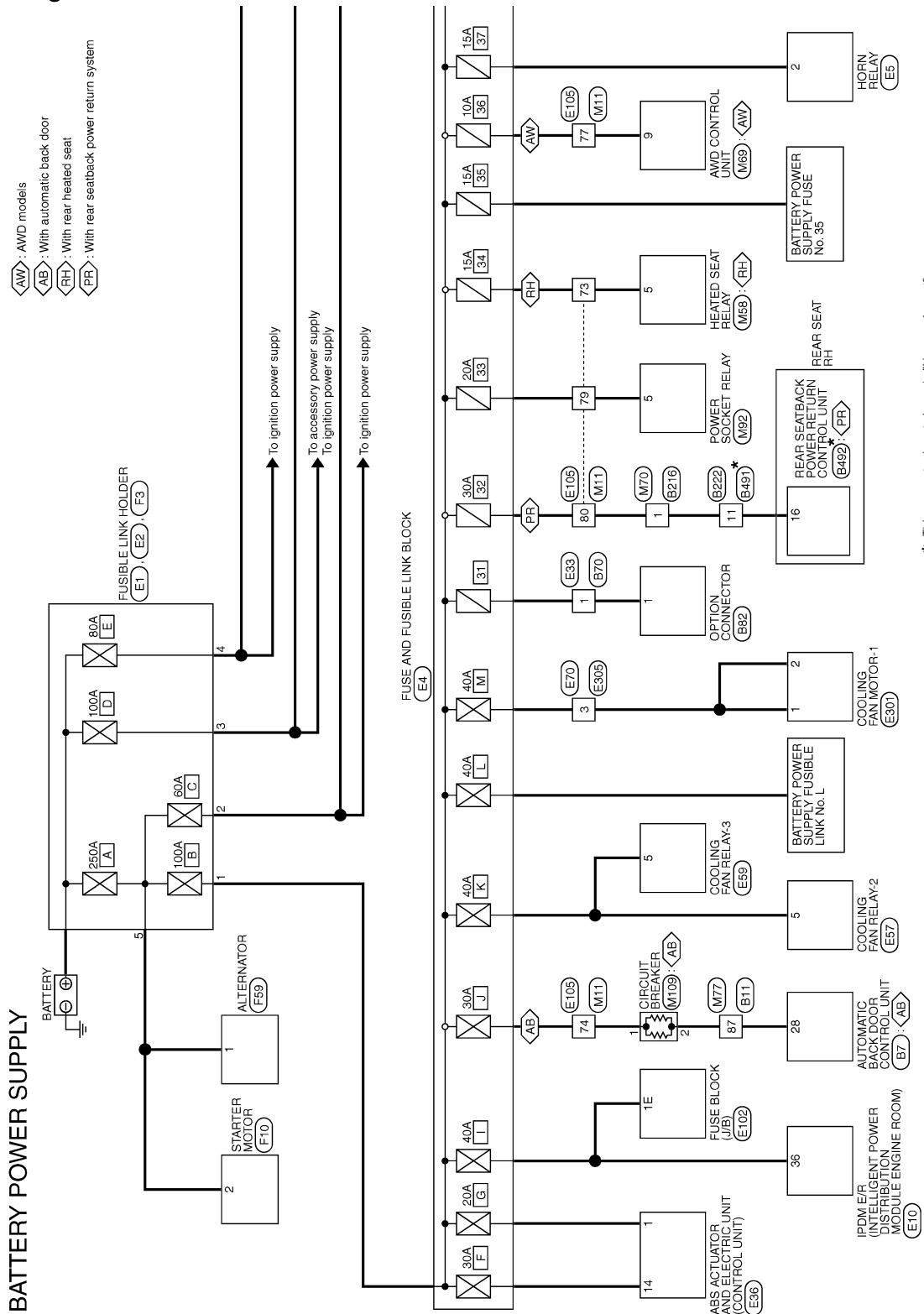
[POWER SUPPLY&GROUND CIRCUIT]

DTC/CIRCUIT DIAGNOSIS

POWER SUPPLY ROUTING CIRCUIT

Wiring Diagram - BATTERY POWER SUPPLY -

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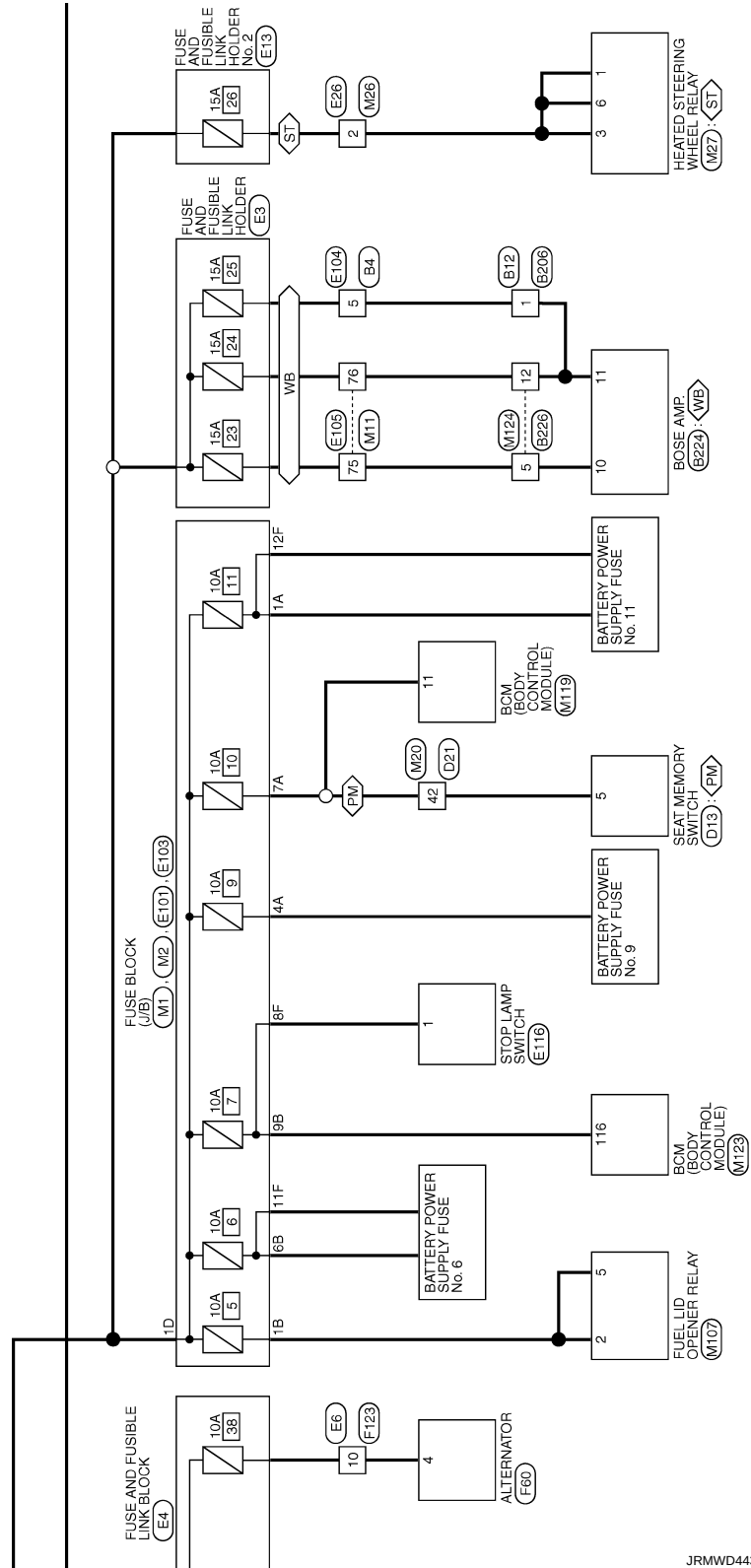
JRMWD4434GB

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

(WB) : With BOSE system
 (PM) : With automatic drive positioner
 (ST) : With heated steering



JRMWD4435GB

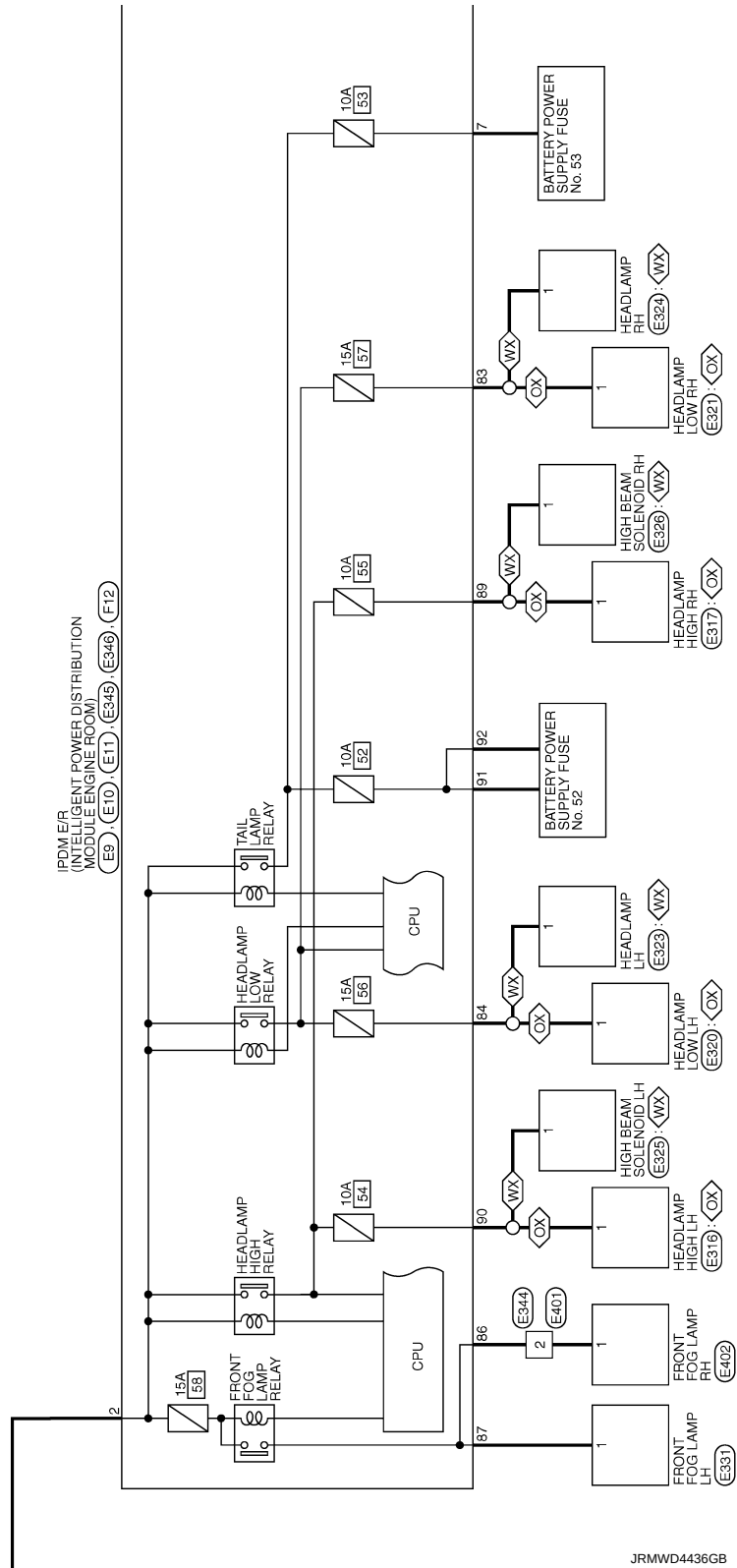
A
B
C
D
E
F
G
H
I
J
K
L
PG
N
O
P

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

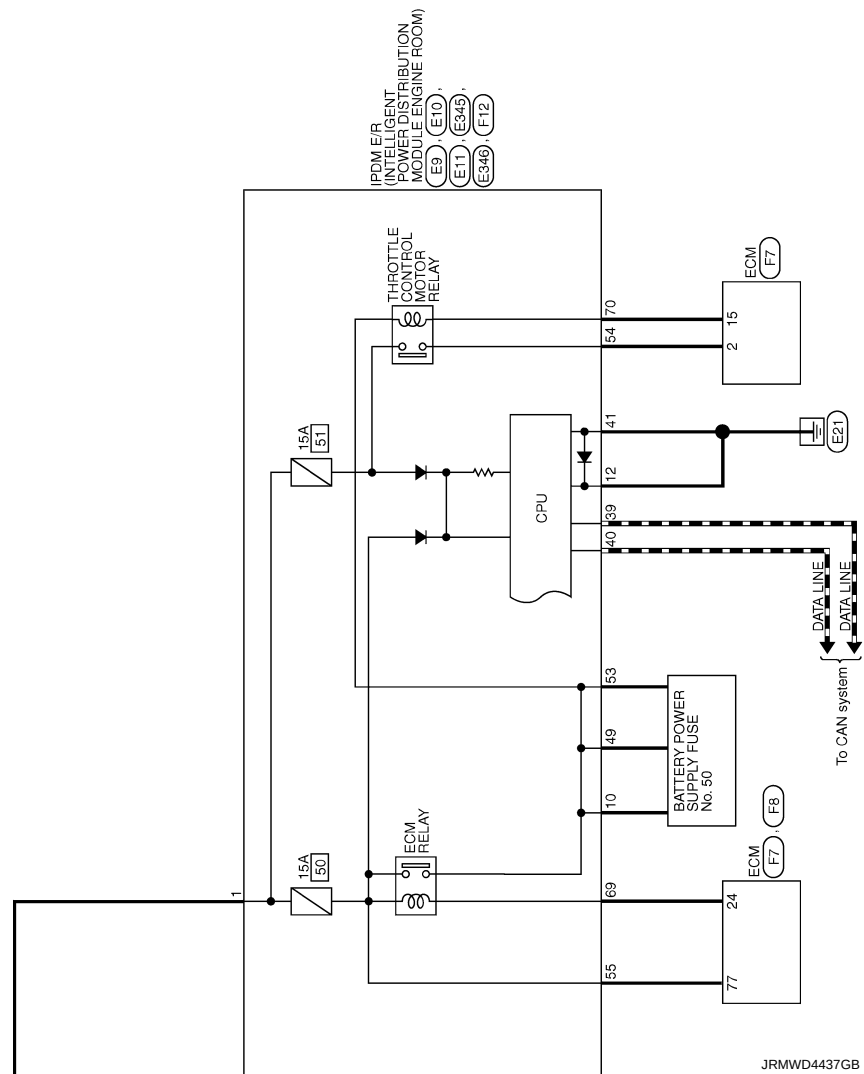
WX : With xenon headlamp
OX : Without xenon headlamp



POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]



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.	B4
Connector Name	WIRE TO WIRE
Connector Type	NS16MW-CS



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

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

Connector No.	B6
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS12PER-CS



10	11	12	13	14	15	16
17	18	19	20	21	22	23

Terminal No.	Color Of Wire	Signal Name [Specification]
10G	Y	-
11G	Y	-
1G	SB	-

2G	GR	-
4G	L	-
5G	P	-

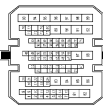
Connector No.	B7
Connector Name	AUTOMATIC BACK DOOR CONTROL UNIT
Connector Type	TBD4FW-TM4



27	28	29	30	31	32	33	34
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Terminal No.	Color Of Wire	Signal Name [Specification]
27	L/B	ASD MTR (OPEN)
28	R	BAT
29	L/W	ASD MTR (CLOSE)
32	L/O	CLUTCH GND
33	W/L	CLUTCH PWR
34	B	GROUND

Connector No.	B11
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS19



Terminal No.	Color Of Wire	Signal Name [Specification]
1	SHIELD	-
2	R/L	-
4	R/W	-
6	P	-
7	V	-
8	SHIELD	-
9	BR/L	-

60	B	-
61	Y	-
62	R/L	-
63	LG	-
64	Y	-
65	BR	-
66	R	-
67	V	-
68	G	-
69	GR	-
70	BR	-
71	SHIELD	-
72	W/L	-
73	B/R	-
74	Y	-
75	LG	-
76	L	-
77	R	-
78	B	-
79	W	-
80	R	-
81	L	-
82	BR	-
83	G	-
84	O	-
85	SB	-
86	R	-
87	G	-
88	Y	-
89	GR	-
90	Y	-
91	G	-
92	BR	-
93	G	-
94	V	-
95	BR	-
96	GR	-
97	R	-
98	LG	-
99	O	-

10	Y/G	-
11	Y/L	-
12	W/L	-
13	L	-
14	BR	-
15	SB	-
16	BR	-
17	V	-
18	SB	-
19	R	-
20	P	-
21	LG	-
22	W	-
23	Y/L	-
24	Y	-
25	V	-
26	R	-
27	V	-
28	P	-
29	BR	-
30	BR	-
31	BR	-
32	BR	-
33	SB	-
34	SHIELD	-
35	G	-
36	LG	-
37	Y	-
38	Y	-
39	GR	-
40	G	-
41	G	-
42	LG	-
43	LG	-
44	SB	-
45	V	-
46	GR	-
47	SHIELD	-
48	B	-
49	BR	-
50	G	-
51	R/W	-
52	R	-
53	R/L	-
54	B	-
55	LG	-
56	BR	-
57	P	-
58	L	-
59	R	-
60	SHIELD	-

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

BATTERY POWER SUPPLY

Connector No.	B12
Connector Name	WIRE TO WIRE
Connector Type	NS16FW-CS



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

Connector No.	B39
Connector Name	TEL ADAPTER UNIT
Connector Type	TH32FW-NH



76	77	78	79	80	81	82																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	</
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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

BATTERY POWER SUPPLY

Connector No.	B22
Connector Name	CAMERA CONTROL UNIT
Connector Type	TH40FN-NH



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

11	P	-
12	G	-
13	R	-
14	BR	-
15	GR	-

Connector No.	B216
Connector Name	WIRE TO WIRE
Connector Type	NS16MR-CS



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

Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	GROUND
2	V	SAC
3	G	INC
7	R	BSW INDICATOR LH
8	G	BSW INDICATOR RH
15	BR	WARNING SYSTEMS ON INDICATOR
17	GR	WARNING SYSTEMS SWITCH
25	R	REVERSE
27	L	CAN-H
28	P	CAN-L
36	W	COMMUNICATION SIGNAL (CAMERA- PUMP?)
37	SB	COMM GND
38	V	COMMUNICATION SIGNAL (PUMP- CAMERA)
40	R	WASHER LEVEL SWITCH SIGNAL

Connector No.	B208
Connector Name	WIRE TO WIRE
Connector Type	NS16MP-CS



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

Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	-
2	BR	-
8	B	-
9	W	-
10	V	-

Connector No.	B222
Connector Name	WIRE TO WIRE
Connector Type	NS8FBR-CS



1	10
16	14
13	12

Terminal No.	Color Of Wire	Signal Name [Specification]
9	P	-
10	B	-
11	G	-
12	G/W	-
13	G	-
14	BR	-
16	V	-

Connector No.	B224
Connector Name	BOSE AMP
Connector Type	SGAT2FBR-SJA2



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

Terminal No.	Color Of Wire	Signal Name [Specification]
1	LG	SOUND SIGNAL FRONT SQUAWKER LH (+)
2	V	SOUND SIGNAL FRONT SQUAWKER LH (-)
3	L	SOUND SIGNAL FRONT SQUAWKER RH (+)
4	P	SOUND SIGNAL FRONT SQUAWKER RH (-)
8	B	GROUND
9	CO	SOUND SIGNAL REAR DOOR SPEAKER RH (+)
10	SR	BATTERY
11	GR	GROUND
12	B	SOUND SIGNAL WOOFER (+)
13	GR	SOUND SIGNAL WOOFER (-)
14	L	SOUND SIGNAL REAR DOOR SPEAKER RH (+)

Connector No.	B226
Connector Name	WIRE TO WIRE
Connector Type	NS12MR-CS



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

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

Connector No.	B451
Connector Name	DRIVER SEAT CONTROL UNIT
Connector Type	NS12FN-CS



1	3	6	9
4	5	10	8
7	2		

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

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

BATTERY POWER SUPPLY

Terminal No.	Color Of Wire	Signal Name [Specification]
9	L/R	-
10	L/B	-

Connector No.	Connector Name	Connector Type
B457	LUMBAR SUPPORT SWITCH	NSDMER-CS



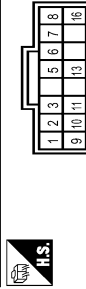
Terminal No.	Color Of Wire	Signal Name [Specification]
36	O	-
37	LG	-
38	Y/W	-
39	Y	-

Connector No.	Connector Name	Connector Type
B491	WIRE TO WIRE	NSDMER-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
9	B	-
10	LG/R	-
11	R	-
12	B	-
13	LG/Y	-
14	LG	-
15	R	-

Connector No.	Connector Name	Connector Type
B492	REAR SEATBACK POWER RETURN CONTROL UNIT	SE41BFW



Terminal No.	Color Of Wire	Signal Name [Specification]
1	B/W	MOTOR SENS GND RH
2	Y/R	MOTOR SENS PWL RH
3	R/B	MTR LH-
4	L	MTR LH+
5	R/W	MTR RH-
6	L/W	MTR RH+
7	B/Y	MOTOR SENS GND LH
8	G	MOTOR SENS SIG LH
9	Y	MOTOR SENS PWL LH
10	B	GND POWER
11	R	BAT POWER

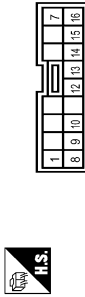
Connector No.	Connector Name	Connector Type
B493	REAR SEATBACK POWER RETURN CONTROL UNIT	YAA1BFW



Terminal No.	Color Of Wire	Signal Name [Specification]
17	R	BAT SIG
18	LG	-
19	W	PRMAL SW LH
20	W/R	PRMAL SW RH
21	BR/W	RH LIMIT SW GND
22	LG	SPEED SFR
23	LG/Y	LH SW
24	L	RETURN SW LH

Terminal No.	Color Of Wire	Signal Name [Specification]
30	L/W	RETURN SW RH
31	BR	LH SW
32	B	GND SIG

Connector No.	Connector Name	Connector Type
D8	DOOR MIRROR REMOTE CONTROL SWITCH	TK1BFW



Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
2	L	-
3	Y	-
4	L	-
5	V	-
6	P	-
7	LG	-
8	BR	-
9	O	-
10	SB	-

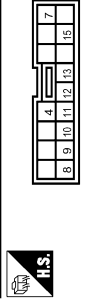
Connector No.	Connector Name	Connector Type
D13	SEAT MEMORY SWITCH	AUBFW



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

Terminal No.	Color Of Wire	Signal Name [Specification]
6	L	-
7	W	-

Connector No.	Connector Name	Connector Type
D14	DOOR MIRROR REMOTE CONTROL SWITCH	TK1BFER



Terminal No.	Color Of Wire	Signal Name [Specification]
4	V	-
7	B	-
8	Y	-
9	L	-
10	O	-
11	P	-
12	L	-
13	SB	-
14	LG	-
15	LG	-

Connector No.	Connector Name	Connector Type
D18	FRONT DOOR INSIDE HANDLE ILLUMINATION (DRIVER SIDE)	TK02FCY



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

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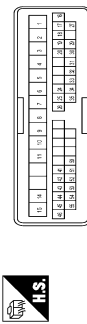
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

BATTERY POWER SUPPLY

Connector No.	D21
Connector Name	WIRE TO WIRE
Connector Type	TH40FW-CS15



Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
2	G	-
3	P	-
4	B	-
5	W	-
6	SB	-
7	P	-
8	BR	-
9	GR	-
10	V	-
11	O	-
14	B	-
15	LG	-
16	G	-
17	Y	-
18	GR	-
19	BR	-
20	LG	-
24	P	-
25	V	-
26	W	-
27	R	-
29	V	-
30	SB	-
31	BR	-
32	R	-
33	G	-
34	Y	-
35	L	-
41	P	-
42	GR	-
43	L	-
44	W	-
45	SB	-
46	R	-
50	V	-

51	O	-
52	L	- [Without automatic drive positioner]
53	P	- [With automatic drive positioner]
53	L	- [With automatic drive positioner]
53	P	- [Without automatic drive positioner]
54	LG	- [Without automatic drive positioner]
54	SB	- [With automatic drive positioner]
55	LG	- [With automatic drive positioner]
55	O	- [Without automatic drive positioner]

Connector No.	D47
Connector Name	FRONT DOOR INSIDE HANDLE ILLUMINATION (PASSENGER SIDE)
Connector Type	TK02FGY



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

Connector No.	D70
Connector Name	REAR HEATED SEAT SWITCH LH
Connector Type	NS06FW-CS



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

Connector No.	D72
Connector Name	REAR HEATED SEAT SWITCH RH
Connector Type	NS06FB-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
2	LG	-
3	GR	-
4	B	-
5	W	-
6	B	-

Connector No.	D102
Connector Name	LICENSE PLATE LAMP LH
Connector Type	TK02FBR



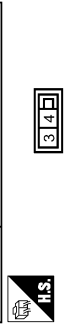
Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	-
2	B	-

Connector No.	D103
Connector Name	LICENSE PLATE LAMP RH
Connector Type	TK02FBR



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

Connector No.	E1
Connector Name	FUSIBLE LINK HOLDER
Connector Type	LO2FGY-MC



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

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

BATTERY POWER SUPPLY

Connector No.	E2
Connector Name	FUSE LINK HOLDER
Connector Type	LO2FB-MC-B



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

Connector No.	E3
Connector Name	FUSE AND FUSIBLE LINK HOLDER
Connector Type	24380-1ATDA



Terminal No.	Color Of Wire	Signal Name [Specification]
23	BR	-
24	GR	-
25	L	-

Connector No.	E4
Connector Name	FUSE AND FUSIBLE LINK BLOCK
Connector Type	24381-7B90A



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

Connector No.	E5
Connector Name	HORN RELAY
Connector Type	24381-7B90A



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

Connector No.	E6
Connector Name	WIRE TO WIRE
Connector Type	TK16MGY-1V



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

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



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

Connector No.	E10
Connector Name	WIRE TO INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	1120FW-CS12-M4-1V



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

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

BATTERY POWER SUPPLY

Connector No.	E11
Connector Name	ROUTE 18 INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	TH05FW-NH



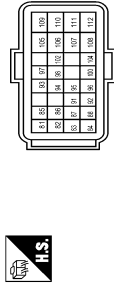
Terminal No.	Color Of Wire	Signal Name [Specification]
42	P	—
43	L	—
44	B	—
45	Y	—
46	W	—

Connector No.	E13
Connector Name	FUSE AND FUSEABLE LINK HOLDER No. 2
Connector Type	24380 LATOA



Terminal No.	Color Of Wire	Signal Name [Specification]
28	Y	—

Connector No.	E16
Connector Name	ECM
Connector Type	RH24FB-R2B-1-LH



Terminal No.	Color Of Wire	Signal Name [Specification]
81	Y	ACCELERATOR PEDAL POSITION SENSOR 1
82	O	ACCELERATOR PEDAL POSITION SENSOR 2
83	BR	SENSOR POWER SUPPLY
84	B	SENSOR GROUND
85	Y	ASCD STEERING SWITCH
86	SB	EVAP CONTROL SYSTEM PRESSURE SENSOR
87	GR	SENSOR POWER SUPPLY
88	O	DATA LINK CONNECTOR
91	L	SENSOR POWER SUPPLY
92	BR	SENSOR GROUND
93	BR	IGNITION SWITCH
94	GR	ENGINE SPEED OUTPUT SIGNAL
95	Y	FUEL TANK TEMPERATURE SENSOR
96	GR	SENSOR GROUND
97	L	CAN COMMUNICATION LINE (CAN-L)
98	L	CAN COMMUNICATION LINE (CAN-H)
100	G	SENSOR GROUND
102	R	PMP SIGNAL
104	SB	SENSOR GROUND
105	V	POWER SUPPLY FOR ECM
106	SB	STOP LAMP SWITCH
107	B	ECM GROUND
108	B	ECM GROUND
109	W	EVAP CANISTER VENT CONTROL VALVE
110	G	ASCD BRAKE SWITCH
111	B	ECM GROUND
112	B	ECM GROUND

Connector No.	E25
Connector Name	INTELLIGENT KEY WARNING BUZZER
Connector Type	RK03FBR



Terminal No.	Color Of Wire	Signal Name [Specification]
3	GR	—

Connector No.	E26
Connector Name	WIRE TO WIRE
Connector Type	NS02MW-CS



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

Connector No.	E33
Connector Name	WIRE TO WIRE
Connector Type	M01FW-GY-1-C



Terminal No.	Color Of Wire	Signal Name [Specification]
1	P	—

Connector No.	E36
Connector Name	ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT)
Connector Type	AEZ22FB-AJZ4-LH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	VALVE / ECU SUPPLY
2	Y	WSS RL SIG (-)
3	L	WSS RL PWR (+)
4	GR	CLUSTER SUPPLY
5	B	WSS FR PWR (+)
6	W	WSS FR SIG (-)
7	LG	LIS
8	V	WSS FL SIG (-)
9	W	WSS FL PWR (+)
10	SB	CLUSTER GND
11	P	WSS RR PWR (+)
12	V	WSS RR SIG (-)
13	BW	MOTOR GND
14	G	MOTOR SUPPLY
16	SB	BLS
19	BR	CAN 2 H
20	GR	IGN
21	P	CAN 1 L
22	Y	VDC OFF SW

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

BATTERY POWER SUPPLY

23	C	CAN L-H
24	B/W	CAN L-L
25	B/W	VALVE / ECU GND

Connector No.	E57
Connector Name	COOLING FAN RELAY-2
Connector Type	MOBIFER-R-LC



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

Connector No.	E59
Connector Name	COOLING FAN RELAY-3
Connector Type	MOBIFER-R-LC



Terminal No.	Color Of Wire	Signal Name [Specification]
1	O	-
2	Y	-
3	GN	-
5	Y	-
6	B	-
7	P	-

Connector No.	E70
Connector Name	WIRE TO WIRE
Connector Type	MOBAM-LC



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

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



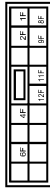
Terminal No.	1D
Color Of Wire	W
Signal Name [Specification]	-

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



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

Connector No.	E103
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS1BFW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
11F	G	-
12F	V	-
1F	L	-
2F	LG	-
4F	BR	-
6F	Y	-
8F	R	-
9F	GR	-

Connector No.	E104
Connector Name	WIRE TO WIRE
Connector Type	NS1BFW-CS



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

Connector No.	E105
Connector Name	WIRE TO WIRE
Connector Type	TH10MM-CS1D-M3



Terminal No.	Color Of Wire	Signal Name [Specification]
3	Y	-
5	LG	-
6	GR	-
8	G	-

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

BATTERY POWER SUPPLY

11	P	-
12	Y	-
13	Y	-
14	O	-
15	BR	-
20	Y	-
21	BR	-
22	P	-
24	L	-
25	O	-
28	SB	-
29	W	-
30	Y	-
38	R	-
39	L	-
40	B	-
47	P	-
48	L	-
49	SB	-
50	GR	-
51	LG	-
52	V	-
53	GR	-
54	BR	-
55	Y	-
56	W/L	-
60	V	-
61	BR	-
62	LO	-
63	LO	-
64	SHIELD	-
66	W	-
67	BR	-
68	Y	-
69	SB	-
70	GR	-
71	SB	-
72	Y	-
73	L	-
74	W	-
75	BR	-
76	GR	-
77	GR	-
78	G	- [With Pwd without navigation system] - [Without Pwd and navigation system]
78	V	- [Without Pwd and navigation system]
78	Y	- [With navigation system]
79	Y	-
80	R	-
81	W	-
82	LG	-

83	O	-
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Connector No.	E116
Connector Name	STOP LAMP SWITCH
Connector Type	MMFW-LC



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

Connector No.	E301
Connector Name	COOLING FAN MOTOR-1
Connector Type	RS4FGY-FR



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

Connector No.	E305
Connector Name	WIRE TO WIRE
Connector Type	MMFW-LC



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

Connector No.	E314
Connector Name	FRONT SIDE MARKER LAMP LH
Connector Type	RK02FGY



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

Connector No.	E315
Connector Name	FRONT SIDE MARKER LAMP RH
Connector Type	RK02FGY



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

Connector No.	E316
Connector Name	HEADLAMP HIGH LH
Connector Type	U02FB



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

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

BATTERY POWER SUPPLY

Connector No.	E317
Connector Name	HEADLAMP HIGH RH
Connector Type	U02FB



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

Connector No.	E318
Connector Name	FRONT COMBINATION LAMP LH
Connector Type	Z03FBR



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

Connector No.	E319
Connector Name	FRONT COMBINATION LAMP RH
Connector Type	Z03FBR



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

Connector No.	E320
Connector Name	HEADLAMP LOW LH
Connector Type	FHZ02FB



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

Connector No.	E321
Connector Name	HEADLAMP LOW RH
Connector Type	FHZ02FB



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

Connector No.	E323
Connector Name	HEADLAMP LH
Connector Type	ED2FGY-RS



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

Connector No.	E324
Connector Name	HEADLAMP RH
Connector Type	ED2FGY-RS



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

Connector No.	E325
Connector Name	HIGH BEAM SOLENOID LH
Connector Type	RS02FB



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

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

BATTERY POWER SUPPLY

Connector No.	E328
Connector Name	HIGH BEAM SOLENOID RH
Connector Type	RS02FE



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

Connector No.	E329
Connector Name	PARKING LAMP LH
Connector Type	RK02FG



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

Connector No.	E330
Connector Name	PARKING LAMP RH
Connector Type	RK02FG



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

Connector No.	E331
Connector Name	FRONT FOG LAMP LH
Connector Type	FHZ02FE



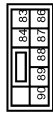
Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	-
2	B	-

Connector No.	E344
Connector Name	WIRE TO WIRE
Connector Type	RS02MG



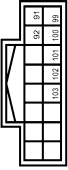
Terminal No.	Color Of Wire	Signal Name [Specification]
2	SB	-

Connector No.	E345
Connector Name	POWER IN INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	NS08FW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
83	Y	-
84	L	-
85	SB	-
87	GR	-
88	W	-
89	L	-
90	G	-

Connector No.	E346
Connector Name	POWER IN INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	TH08FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
81	Y	-
82	LG	-
89	BR	-
100	SB	-
101	L	-
102	B	-
103	P	-

Connector No.	E401
Connector Name	WIRE TO WIRE
Connector Type	RS02FG



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

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

BATTERY POWER SUPPLY

Connector No.	E402
Connector Name	FRONT FOG LAMP RH
Connector Type	FH202FB



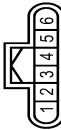
Terminal No.	1	2
Color Of Wire	W	B
Signal Name [Specification]		

Connector No.	F3
Connector Name	FUSIBLE LINK HOLDER
Connector Type	24340 JAG4D



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

Connector No.	F4
Connector Name	MASS AIR FLOW SENSOR
Connector Type	RH00FB



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



Connector No.	F7
Connector Name	ECM
Connector Type	RH42FG-R28-R-LH

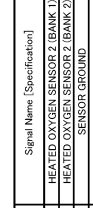


Terminal No.	Color Of Wire	Signal Name [Specification]
1	P/B	FUEL INJECTOR No. 6
2	G/W	THROTTLE CONTROL MOTOR POWER SUPPLY
3	L/W	FUEL INJECTOR No. 5
4	BR/Y	A/F SENSOR 1 HEATER (BANK 1)
5	L	THROTTLE CONTROL MOTOR (OPEN)
6	SB	A/F SENSOR 2 HEATER (BANK 2)
7	LB	IGNITION SIGNAL No. 2
8	G/B	IGNITION SIGNAL No. 1
9	Y/R	IGNITION SIGNAL No. 2
10	G/B	IGNITION SIGNAL No. 1
11	Y/R	IGNITION SIGNAL No. 2
12	B	ECM GROUND
13	P/B	HEATED OXYGEN SENSOR 2 HEATER (BANK 1)
14	GR	FUEL PUMP RELAY
15	O	THROTTLE CONTROL MOTOR RELAY
16	B/Y	ECM GROUND
17	R	HEATED OXYGEN SENSOR 2 HEATER (BANK 2)
18	GR/R	IGNITION SIGNAL No. 6
19	P	IGNITION SIGNAL No. 4
20	W	IGNITION SIGNAL No. 5
21	W	ECM RELAY (SELF SHUT-OFF)
22	W/B	EXP. AIR FLOW SENSOR
23	GR/B	MASS AIR FLOW SENSOR
24	Y	VAS CONTROL SOLENOID VALVE 1
25	LB	VAS CONTROL SOLENOID VALVE 2
26	BR/W	ELECTRONIC CONTROLLED SOLENOID VALVE
27	LG/R	FUEL INJECTOR No. 4
28	R/Y	FUEL INJECTOR No. 3
29	R/W	FUEL INJECTOR No. 2
30	R/Y	FUEL INJECTOR No. 2
31		

Terminal No.	32
Color Of Wire	R/B
Signal Name [Specification]	FUEL INJECTOR No. 1



Connector No.	F8
Connector Name	ECM
Connector Type	RH40FBR-R28-L-LH



Terminal No.	Color Of Wire	Signal Name [Specification]
33	W	HEATED OXYGEN SENSOR 2 (BANK 1)
34	W/L	HEATED OXYGEN SENSOR 2 (BANK 2)
35	B	SENSOR GROUND
36	B	SENSOR GROUND
37	W	THROTTLE POSITION SENSOR 1
38	R	THROTTLE POSITION SENSOR 2
39	R	REFRIGERANT PRESSURE SENSOR
40	G	SENSOR GROUND
41	O/B	POWER STEERING PRESSURE SENSOR
42	BR	BATTERY CURRENT SENSOR
43	O/B	SENSOR GROUND
44	O/B	SENSOR GROUND
45	P	A/F SENSOR 1 (BANK 1)
46	P	A/F SENSOR 2 (BANK 2)
47	G	ENGINE OIL TEMPERATURE SENSOR
48	G/P	SENSOR GROUND
49	L	A/F SENSOR 1 (BANK 1)
50	L/Y	INTAKE AIR TEMPERATURE SENSOR
51	R/Y	SENSOR POWER SUPPLY
52	B/R	SENSOR GROUND
53	V	A/F SENSOR 1 (BANK 2)
54	G	ENGINE OIL TEMPERATURE SENSOR
55	SB	SENSOR POWER SUPPLY
56	O/B	SENSOR GROUND
57	LG	A/F SENSOR 1 (BANK 2)
58	O	MASS AIR FLOW SENSOR
59	G/W	SENSOR POWER SUPPLY
60	Y/B	SENSOR GROUND
61	B	KNOCK SENSOR (BANK 1)
62	W	KNOCK SENSOR (BANK 2)
63	R/W	SENSOR POWER SUPPLY
64	B/R	SENSOR GROUND
65	W/B	CRANKSHAFT POSITION SENSOR(POS)
67	SHIELD	SENSOR GROUND

Terminal No.	68	69	70	71	72	73	74	75	76	77	78
Color Of Wire	Y/G	BR	W/L	W/L	BR/W	Y	R/G	R/G	W/L	R/L	R/L
Signal Name [Specification]	SENSOR GROUND	CRANKSHAFT POSITION SENSOR(BANK 2)	CRANKSHAFT POSITION SENSOR(BANK 1)	SENSOR POWER SUPPLY	INTAKE VALVE TIMING CONTROL SOLENOID VALVE (BANK 2)	SENSOR POWER SUPPLY	SENSOR POWER SUPPLY	POWER SUPPLY FOR ECM (BACK-UP)	INTAKE VALVE TIMING CONTROL SOLENOID VALVE (BANK 1)		

Connector No.	F10
Connector Name	STARTER MOTOR
Connector Type	24340 JABA



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

Connector No.	F12
Connector Name	WAVE R INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	TH20FW-CS12-M4



Terminal No.	48	49	50	51	52	53	54	55	56	57
Color Of Wire	W	R/B	Y/G	R/W	W/L	R/Y	O			
Signal Name [Specification]										

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

BATTERY POWER SUPPLY

66	LY	-
68	W/B	-
70	CO	-
72	R/B	-
75	LG	-
76	SB	-
77	GR	-
80	B	-

Connector No.	F13
Connector Name	CONDENSER
Connector Type	M02FW-G1-LG



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

Connector No.	F30
Connector Name	EVAP CANISTER PURGE VOLUME CONTROL SOLENOID VALVE
Connector Type	E02FL-RS-LGY



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

Connector No.	F31
Connector Name	IGNITION COIL No. 1 (WITH POWER TRANSISTOR)
Connector Type	E03FGY-RS



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

Connector No.	F32
Connector Name	IGNITION COIL No. 2 (WITH POWER TRANSISTOR)
Connector Type	E03FGY-RS



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

Connector No.	F33
Connector Name	IGNITION COIL No. 3 (WITH POWER TRANSISTOR)
Connector Type	E03FGY-RS



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

Connector No.	F34
Connector Name	IGNITION COIL No. 4 (WITH POWER TRANSISTOR)
Connector Type	E03FGY-RS



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

Connector No.	F35
Connector Name	IGNITION COIL No. 5 (WITH POWER TRANSISTOR)
Connector Type	E03FGY-RS



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

Connector No.	F36
Connector Name	IGNITION COIL No. 6 (WITH POWER TRANSISTOR)
Connector Type	E03FGY-RS



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

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

BATTERY POWER SUPPLY

Connector No.	F59
Connector Name	ALTERNATOR
Connector Type	24340-JA084



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

Connector No.	F60
Connector Name	ALTERNATOR
Connector Type	H503FB



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

Connector No.	F74
Connector Name	VIAS CONTROL SOLENOID VALVE 1
Connector Type	EG2FB-RS



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

Connector No.	F75
Connector Name	VIAS CONTROL SOLENOID VALVE 2
Connector Type	EG2FB-RS



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

Connector No.	F81
Connector Name	INTAKE VALVE TIMING CONTROL SOLENOID VALVE BANK 1
Connector Type	EG2FG-RS-LGY



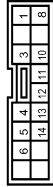
Terminal No.	Color Of Wire	Signal Name [Specification]
1	R/L	-
2	R/V	-

Connector No.	F82
Connector Name	INTAKE VALVE TIMING CONTROL SOLENOID VALVE BANK 2
Connector Type	EG2FG-RS-LGY



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

Connector No.	F123
Connector Name	WIRE TO WIRE
Connector Type	TK18ECV-TV



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	GR	-
3	GR	-
4	GR	-
5	R	-
6	L/R	-
8	P	-
10	Y/B	-
11	BR/W	-
12	BR	-
13	G	-
14	B	-

Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	N508FW-M2



Terminal No.	Color Of Wire	Signal Name [Specification]
7A	Y	-
3A	G	-
2A	Y	-
4A	GR	-
7A	LG	-
8A	Y	-

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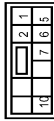
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

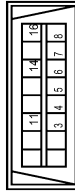
BATTERY POWER SUPPLY

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



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

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



Terminal No.	Color Of Wire	Signal Name [Specification]
1	LG	-
2	B	-
3	B	-
4	L	-
5	GR	-
6	Y	-
7	SB	-
8	P	-
9	Y	-
10	Y	-

Connector No.	M5
Connector Name	VDC OFF SWITCH
Connector Type	TK08FGY



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

Connector No.	M8
Connector Name	AND LOCK SWITCH
Connector Type	TK08FW-1V



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

Connector No.	M11
Connector Name	WIRE TO WIRE
Connector Type	TH08FW-CS10-M3



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



Connector No.	M13
Connector Name	ASHTRAY ILLUMINATION
Connector Type	A02FW

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

Terminal No.	Color Of Wire	Signal Name [Specification]
64	SHIELD	-
65	R	-
66	R	-
67	W	-
68	P	-
69	G	-
70	G	-
71	G	-
72	BR	-
73	L	-
74	W	-
75	BR	-
76	R	-
77	G	-
78	Y	-
79	G	-
80	G	-
81	W	-
82	W	-
83	EG	-

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

BATTERY POWER SUPPLY

Connector No.	M14
Connector Name	CLUSTER ILLUMINATION
Connector Type	A02FW



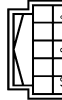
Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	SB	-

Connector No.	M15
Connector Name	GLOVE BOX LAMP
Connector Type	A02FW



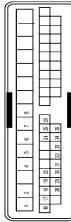
Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	B	-

Connector No.	M16
Connector Name	A/C DISPLAY
Connector Type	TH10FB-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	GROUND
2	G	IGN
3	R	ILL
4	BR	ILL
5	L	RX (AMP DISP)

Connector No.	M20
Connector Name	WIRE TO WIRE
Connector Type	TH40MM-CS15



Terminal No.	Color Of Wire	Signal Name [Specification]
1	V	-
2	G	-
3	W	-
4	B	- [With BOSE system and base audio without iPod]
5	R	- [With iPod without BOSE system]
6	G	- [With iPod without BOSE system]
7	L	- [With BOSE system and base audio without iPod]
8	BR	-
9	SB	-
10	L	-
11	G	-
14	B	-
15	GR	-

16	L	-
17	Y	-
18	W	-
19	Y	-
20	SB	-
24	P	-
25	V	-
26	W	-
27	R	-
29	R	-
30	L	-
31	SB	-
32	W	-
33	P	-
34	BR	-
35	GR	-
42	LG	-
43	LS	-
44	Y	-
45	P	-
46	P	-
50	V	-
51	BO	-
52	GR	- [With automatic drive positioner]
53	L	- [Without automatic drive positioner]
54	V	- [Without automatic drive positioner]
55	G	- [With automatic drive positioner]
56	GR	- [Without automatic drive positioner]
57	SB	- [With automatic drive positioner]

Connector No.	M26
Connector Name	WIRE TO WIRE
Connector Type	NS02FW-CS



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

Connector No.	M27
Connector Name	HEATED STEERING WHEEL RELAY
Connector Type	M00FBR-R-LC



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

Connector No.	M28
Connector Name	HEATED STEERING WHEEL SWITCH
Connector Type	NS08FW-CS



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

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

BATTERY POWER SUPPLY

Connector No.	M32
Connector Name	COMBINATION SWITCH (BIPOL CABLE)
Connector Type	TK0BFY-EX-IV



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

Connector No.	M39
Connector Name	WARNING SYSTEMS SWITCH
Connector Type	TK0BFY



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

Connector No.	M45
Connector Name	HAZARD SWITCH
Connector Type	TK04FW



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

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



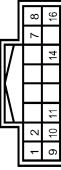
Terminal No.	Color Of Wire	Signal Name [Specification]
2	L	SOUND SIGNAL FRONT LH (+)
3	B	SOUND SIGNAL FRONT LH (-)
4	LG	SOUND SIGNAL REAR LH (+)
5	Y	SOUND SIGNAL REAR LH (-)
7	R	ACC
8	SB	ILLUMINATION CONTROL SIGNAL (+)
9	R	ILLUMINATION CONTROL SIGNAL (-)
11	BR	SOUND SIGNAL FRONT RH (+)
12	W	SOUND SIGNAL FRONT RH (-)
13	GR	SOUND SIGNAL REAR RH (+)
14	P	SOUND SIGNAL REAR RH (-)
18	Y	BATTERY

Connector No.	M50
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 SW & DISP)
7	P	RX (SW AMP)
10	G	LAN SIG (Without colour display)
10	L	LAN SIG (With colour display)
11	R	VAGTE
15	BR	SUN SENS
16	G	INTAKE SENS (With colour display)
16	R	INTAKE SENS (Without colour display)
19	B	GROUND
20	G	IGN
26	GR	RR DEF F/B
27	BR	RR DEF ON
31	W	AMP POWER (Without colour display)
34	P	AMP POWER (With colour display)
34	V	AMP POWER (Without colour display)
35	G	AMB SENS (Without colour display)
35	L	AMB SENS (With colour display)
36	LG	INCAR SENS
37	SB	SENS GND (Without colour display)
37	Y	SENS GND (With colour display)
39	B	GND (POWER)
40	Y	BAT

Connector No.	M59
Connector Name	AWD CONTROL UNIT
Connector Type	TH18FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	LG	AWD SOL+
2	L	AWD SOL-
7	R	IGN
8	L	CAN-H
9	G	SOL BATT
10	B	GROUND
11	B	GROUND
14	Y	LOCK SW
16	P	CAN-L

Connector No.	M58
Connector Name	HEATED SEAT RELAY
Connector Type	MS02F-M2-LC



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

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

BATTERY POWER SUPPLY

Connector No.	M70
Connector Name	WIRE TO WIRE
Connector Type	NS16FER-CS

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

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

Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS19

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

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

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

Connector No.	M85
Connector Name	C/VT SHIFT SELECTOR ILLUMINATION
Connector Type	TR02FER

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

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

Connector No.	M82
Connector Name	POWER SOCKET RELAY
Connector Type	MS02FL-M2-LC

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

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

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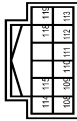
POWER SUPPLY ROUTING CIRCUIT

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[POWER SUPPLY&GROUND CIRCUIT]

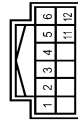
BATTERY POWER SUPPLY

Connector No.	M69
Connector Name	A/C CONTROL
Connector Type	TH12FN-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	IGN
2	B	GROUND
3	L	RX (AMP SW)
4	P	TX (SW AMP)
5	R	ILL*
6	BR	ILL-

Connector No.	M69
Connector Name	KEY SLOT
Connector Type	TH12FN-NH



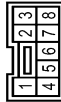
Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	BAT
2	SB	CLOCK
3	O	DATA
5	GR	ILL BAT
6	R	ILL
7	B	GROUND
11	Y	KEY SWITCH SIGNAL

Connector No.	M100
Connector Name	SECURITY INDICATOR LAMP
Connector Type	TK02FBR



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

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



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

Connector No.	M104
Connector Name	AUTOMATIC DRIVE POSITIONER CONTROL UNIT
Connector Type	NSR9EW-GS



Terminal No.	Color Of Wire	Signal Name [Specification]
28	Y	UPWARD
29	V	BACKWARD
27	P	UPWARD
26	G	DOWNWARD
29	LG	UPWARD / FRONTWARD
30	B	GROUND

Connector No.	M107
Connector Name	FUEL LID OPENER RELAY
Connector Type	MS02FL-M2-LC



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

Connector No.	M108
Connector Name	FUEL LID OPENER SWITCH
Connector Type	TK08FCY



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

Connector No.	M109
Connector Name	CIRCUIT BREAKER
Connector Type	M02FW-LC



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

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

BATTERY POWER SUPPLY

Connector No.	M110
Connector Name	AUTOMATIC BACK DOOR MAIN SWITCH
Connector Type	TQ08FW



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

Connector No.	M111
Connector Name	AUTOMATIC BACK DOOR SWITCH
Connector Type	TQ08FY



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

Connector No.	M113
Connector Name	FRONT POWER RETURN SWITCH (FH)
Connector Type	TQ04FW



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

Connector No.	M114
Connector Name	FRONT POWER RETURN SWITCH (LH)
Connector Type	TQ04FW



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

Connector No.	M115
Connector Name	CIRCUIT BREAKER
Connector Type	M02FW-P-LC



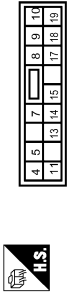
Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	W	-

Connector No.	M118
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	M02FE-LC



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

Connector No.	M119
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	N018FW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
4	P/W	INTERIOR ROOM LAMP POWER SUPPLY
5	G	LOCK OUTPUT
6	W	STOP LAMP CONT
8	V	ALL DOOR FUEL LID LOCK OUTPUT
9	P	DRIVER DOOR FUEL LID LOCK OUTPUT
10	G	REAR DOOR UNLOCK OUTPUT
11	LG	BAT (FUSE)
13	B	GROUND
14	O	PUSH-BUTTON IGNITION SW ILL GND
15	L	ACC IND
17	G	TURN SIGNAL RH
18	BR	TURN SIGNAL LH
19	Y	INT ROOM LAMP CONT

Connector No.	M123
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	T040FC-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
102	P/B	RAIN SENSOR SERIAL LINK
113	P/B	OPTICAL SENSOR
118	GR	STOP LAMP SW 1
118	GR	STOP LAMP SW 2
119	W	DR DOOR UNLOCK SENSOR
121	Y	KEY SLOT SW
123	G	IGN F/B

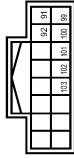
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

BATTERY POWER SUPPLY

Connector No.	M124
Connector Name	PASSENGER DOOR SW
Connector Type	TH12PW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	GROUND
2	W	ACC
3	R	ILL
4	R	ILL CONT
5	B	AV COMM (H)
6	SB	AV COMM (L)
7	LG	SW GND
8	V	EJECT SIGNAL
9	W	
10		
11		
12		

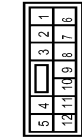


Connector No.	M126
Connector Name	AUDIO DISPLAY UNIT
Connector Type	TH12PW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	AV COMM (L)
2	G	AV COMM (H)
3	B	GROUND
4	X	ACC
5	R	ILLUMINATION CONTROL SIGNAL (+)
6	SB	ILLUMINATION CONTROL SIGNAL (-)

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



Connector No.	M124
Connector Name	WIRE TO WIRE
Connector Type	INS12PER-CS



Connector No.	M171
Connector Name	AV CONTROL UNIT
Connector Type	TH18PW-CS2



Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	AV CONTROL UNIT
2	R	AV CONTROL UNIT
3	R	AV CONTROL UNIT
4	LG	SOUND SIGNAL REAR DOOR SPEAKER LH (+)
5	Y	SOUND SIGNAL REAR DOOR SPEAKER LH (-)
6	BR	STRG SW A
7	W	ACC (WHIT BOSE system)
8	R	ILLUMINATION
9	R	ILLUMINATION
10	W	ILLUMINATION
11	W	ILLUMINATION
12	L	ILLUMINATION
13	GR	SOUND SIGNAL REAR DOOR SPEAKER RH (+)
14	P	SOUND SIGNAL REAR DOOR SPEAKER RH (-)
15	L	STRG SW GND
16	G	STRG SW B
17	Y	BATTERY
18	B	GROUND

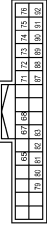
Connector No.	M178
Connector Name	AV CONTROL UNIT
Connector Type	TH18PW-CS2



Terminal No.	Color Of Wire	Signal Name [Specification]
1	P	AMP ON SIGNAL
2	G	SOUND SIGNAL FRONT LH (+)
3	R	SOUND SIGNAL FRONT LH (-)
4	O	SOUND SIGNAL REAR LH (+)
5	SB	SOUND SIGNAL REAR LH (-)

Terminal No.	Color Of Wire	Signal Name [Specification]
6	BR	STRG SW A
7	W	ACC (WHIT BOSE system)
10	B	SHIELD
11	B	SOUND SIGNAL FRONT RH (+)
12	W	SOUND SIGNAL FRONT RH (-)
13	V	SOUND SIGNAL REAR RH (+)
14	LG	SOUND SIGNAL REAR RH (-)
15	L	STRG SW GND
16	G	STRG SW B
19	Y	BATTERY
20	B	GROUND

Connector No.	M180
Connector Name	AV CONTROL UNIT
Connector Type	TH132PW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
65	LG	PARKING BRAKE
66	LG	-
67	LG	-
68	LG	-
69	LG	-
70	LG	-
71	SHIELD	SHIELD
72	B	MICROPHONE XCG
73	R	COMM (CONT - DISP)
74	P	CAN-L
75	LG	AV COMM (L)
76	LG	AV COMM (L)
77	R	ILLUMINATION SIGNAL
78	G	IGNITION
79	R	REVERSE
80	G	REVERSE
81	SB	VEHICLE SPEED SIGNAL (8-PULSED)
82	V	-
83	B	MICROPHONE SIGNAL
84	W	-
85	W	-
86	W	-
87	W	-
88	W	-
89	W	-
90	I	CAN-H
91	SB	AV COMM (H)
92	SB	AV COMM (H)

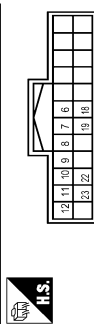
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

BATTERY POWER SUPPLY

Connector No.	M195
Connector Name	DISPLAY UNIT
Connector Type	TH24FW-NH



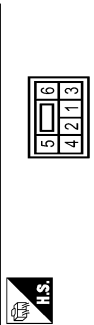
Terminal No.	Color Of Wire	Signal Name [Specification]
6	B	SHIELD
7	SHIELD	SHIELD
8	SHIELD	CAMERA IMAGE SIGNAL
9	W	SHIELD
10	R	COMM CONT- DISP
11	Y	BATTERY
12	B	GROUND
18	LG	GROUND
19	L	GROUND
22	B	GROUND
23	W	ACC

Connector No.	M202
Connector Name	FRONT HEATED SEAT SWITCH (DRIVER SIDE)
Connector Type	NS06FW-CS



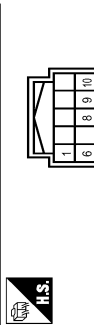
Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	SHIELD
2	V	SHIELD
3	B	SHIELD
4	B	SHIELD
5	R	SHIELD
6	SB	SHIELD

Connector No.	M203
Connector Name	FRONT HEATED SEAT SWITCH (PASSENGER SIDE)
Connector Type	NS06FB-CS



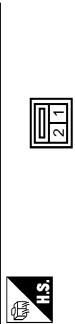
Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	SHIELD
2	V	SHIELD
3	L	SHIELD
4	B	SHIELD
5	R	SHIELD
6	BR	SHIELD

Connector No.	RB9
Connector Name	AUTO ANTI-CAZZLING INSIDE MIRROR
Connector Type	TH10FB-NH



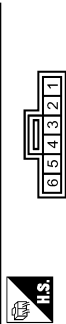
Terminal No.	Color Of Wire	Signal Name [Specification]
6	B/R	SHIELD
8	B	SHIELD
10	B/Y	SHIELD

Connector No.	R14
Connector Name	MOOD LAMP CENTER
Connector Type	TK02FW



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

Connector No.	R19
Connector Name	MAP LAMP
Connector Type	TK06FY



Terminal No.	Color Of Wire	Signal Name [Specification]
1	P/W	SHIELD
2	Y	SHIELD
3	B	SHIELD
4	SB	SHIELD
5	R/Y	SHIELD
6	R/L	SHIELD

Connector No.	R23
Connector Name	RAIN SENSOR
Connector Type	A4B03FB



Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y/R	SHIELD
2	R	SHIELD
3	B	SHIELD

JRMWE5878GB

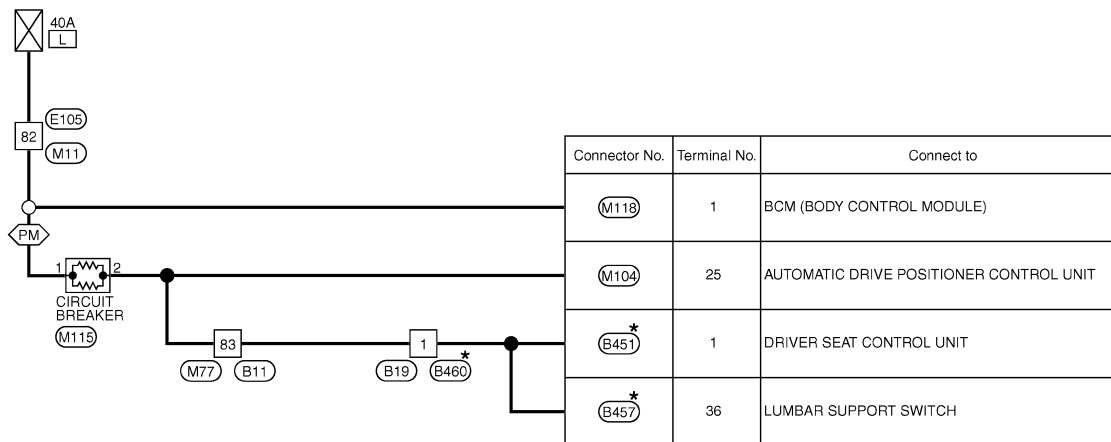
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P

PG

[POWER SUPPLY&GROUND CIRCUIT]

INFOID:0000000009720274

 : With automatic drive positioner



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

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

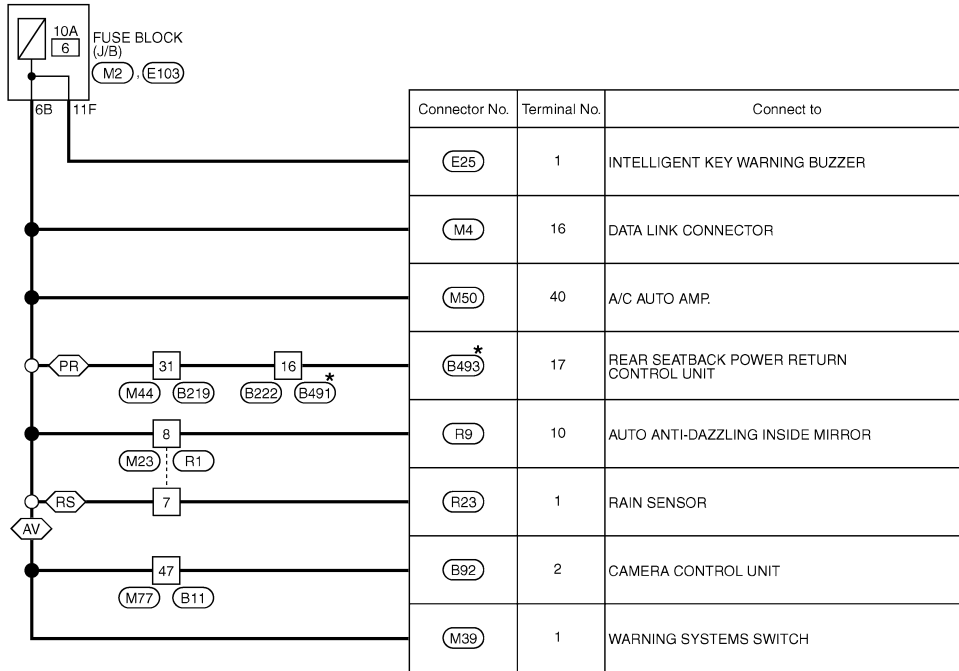
[POWER SUPPLY&GROUND CIRCUIT]

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 6 -

INFOID:000000009720275

BATTERY POWER SUPPLY FUSE No. 6

-  : With rain sensor
-  : With rear seatback power return system
-  : With around view monitor



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

2012/08/24

JRMWD4438GB

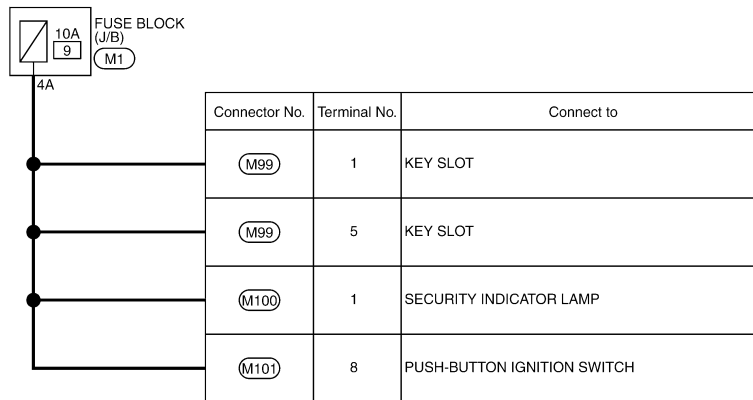
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

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

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2008/09/23

JCMWM3212GB

[POWER SUPPLY&GROUND CIRCUIT]

INFOID:0000000009720277

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[illegible]

Connector No.	Terminal No.	Connect to
F23	47	TCM (TRANSMISSION CONTROL MODULE)
M34	1	COMBINATION METER
B8	10	AUTOMATIC BACK DOOR CONTROL UNIT
B27	1	AUTOMATIC BACK DOOR WARNING BUZZER

JRMWD4439GB

POWER SUPPLY ROUTING CIRCUIT

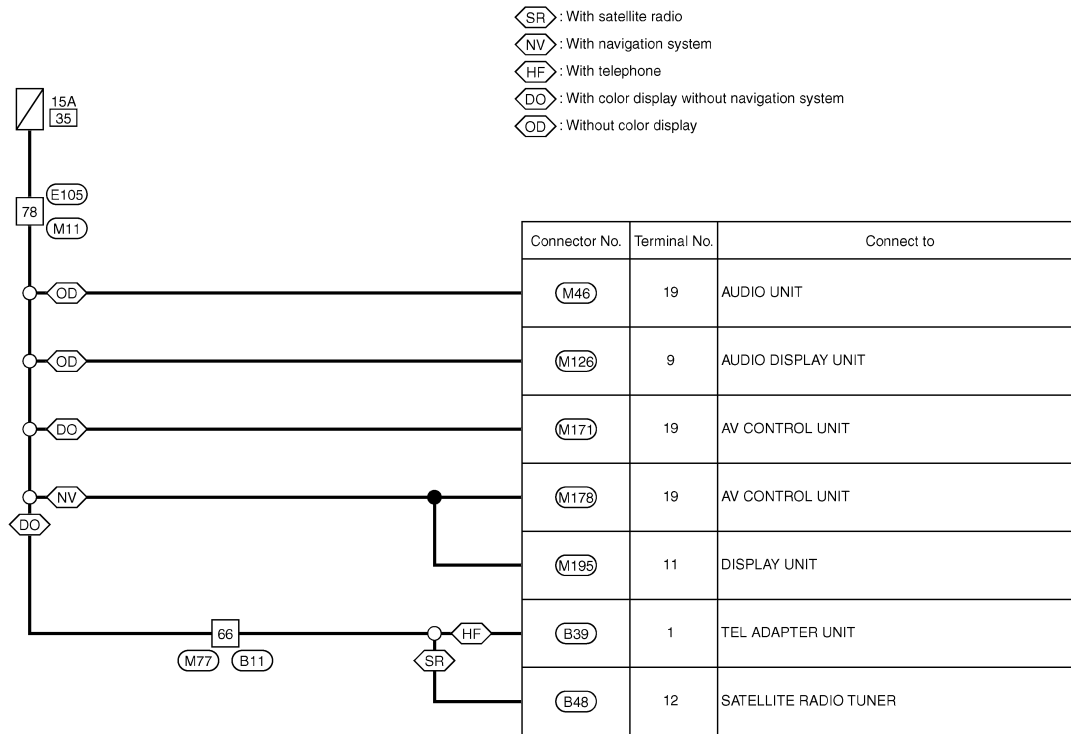
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 35 -

INFOID:000000009720278

BATTERY POWER SUPPLY FUSE No. 35



2010/09/06

JCMWN0069GB

POWER SUPPLY ROUTING CIRCUIT

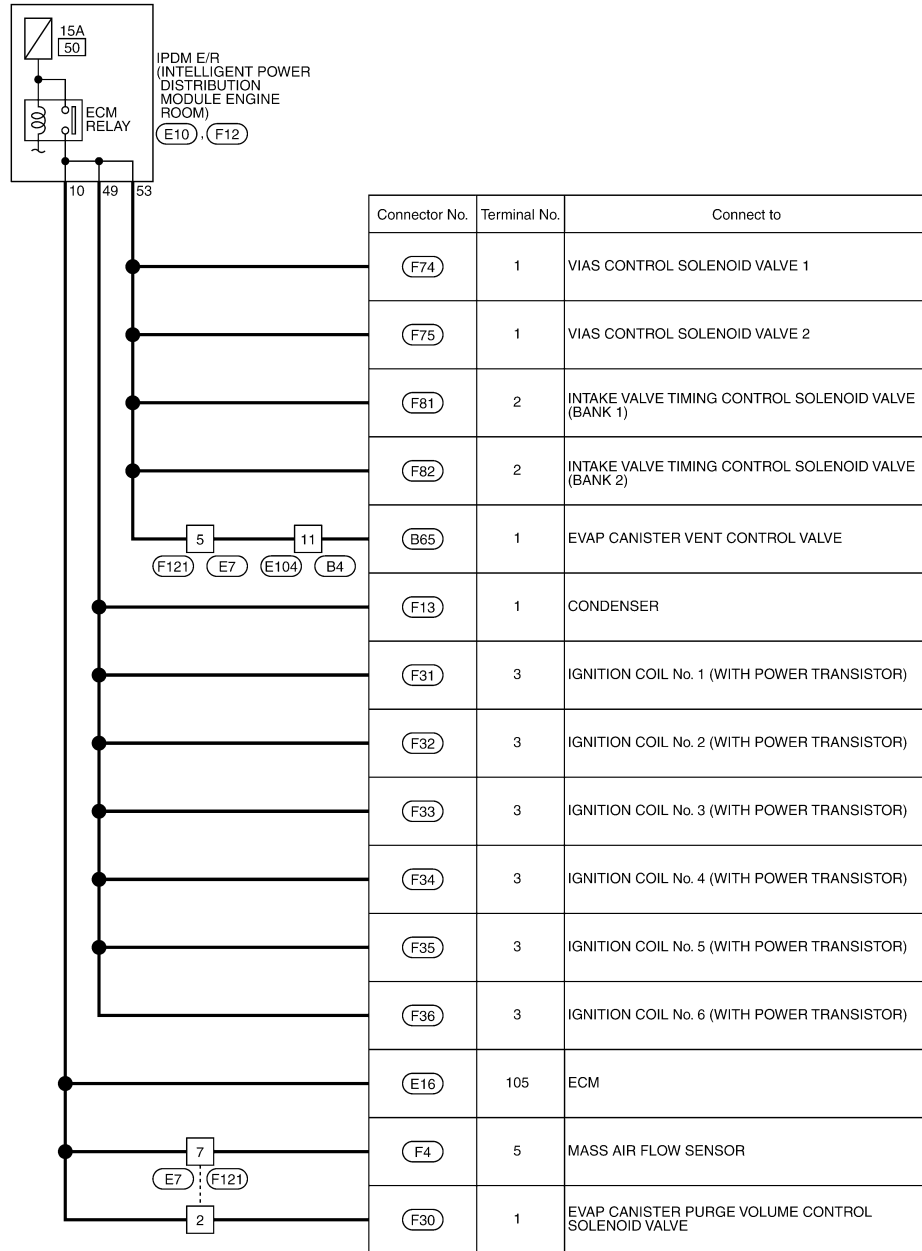
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 50 -

INFOID:000000009720279

BATTERY POWER SUPPLY FUSE No. 50



2008/09/23

JCMWM3220GB

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

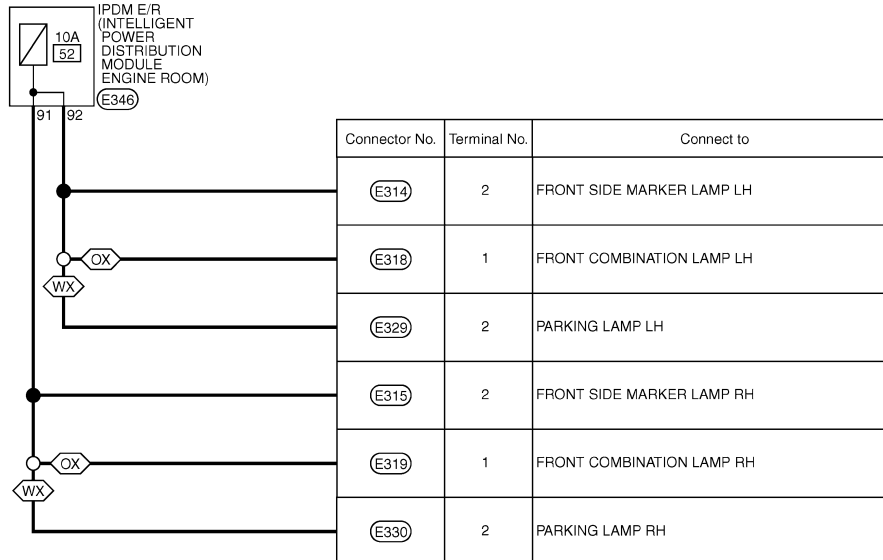
[POWER SUPPLY&GROUND CIRCUIT]

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 52 -

INFOID:000000009720280

BATTERY POWER SUPPLY FUSE No. 52

 : With xenon headlamp
 : Without xenon headlamp



2009/08/07

JCMWM4938GB

POWER SUPPLY ROUTING CIRCUIT

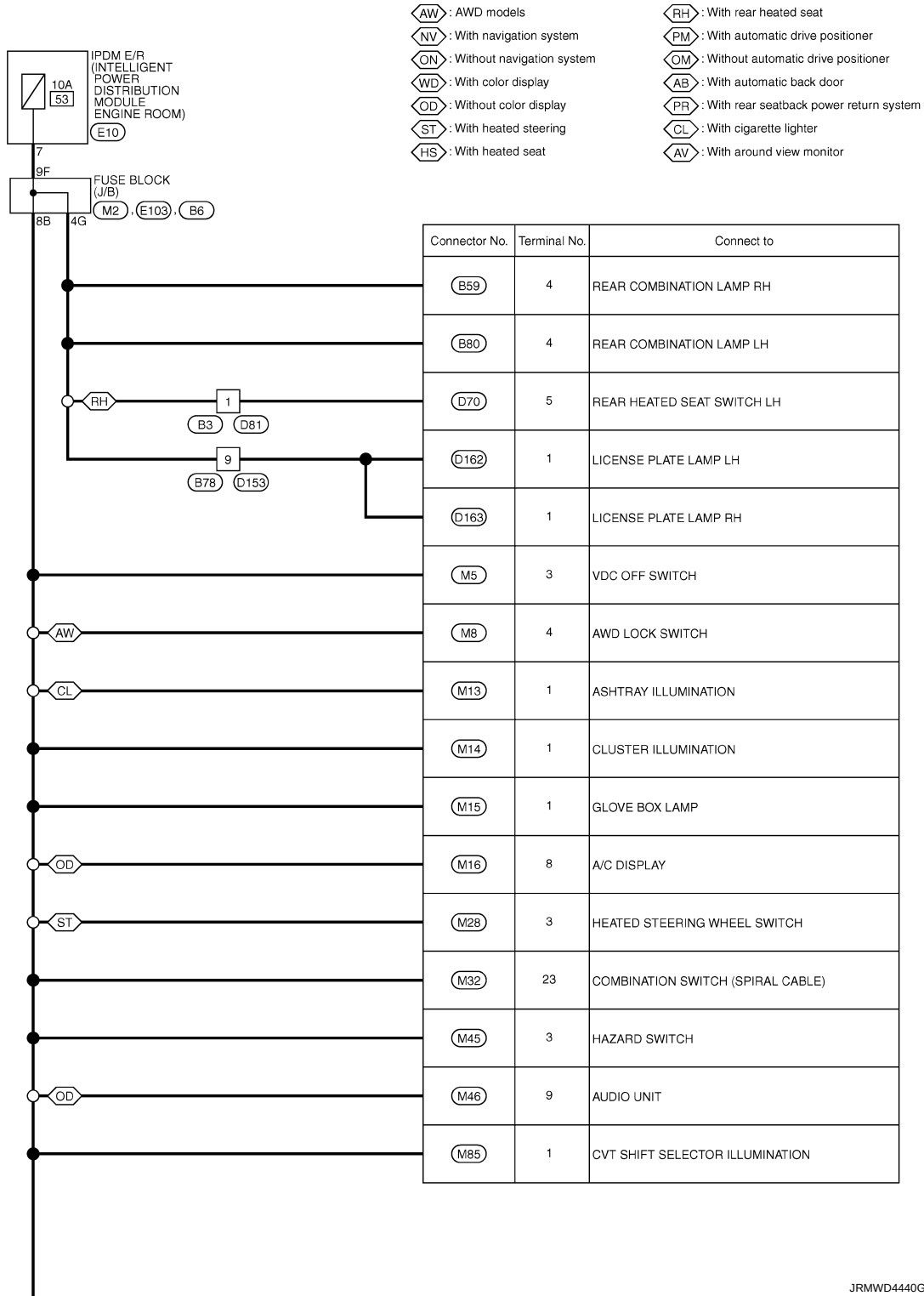
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 53 -

INFOID:000000009720281

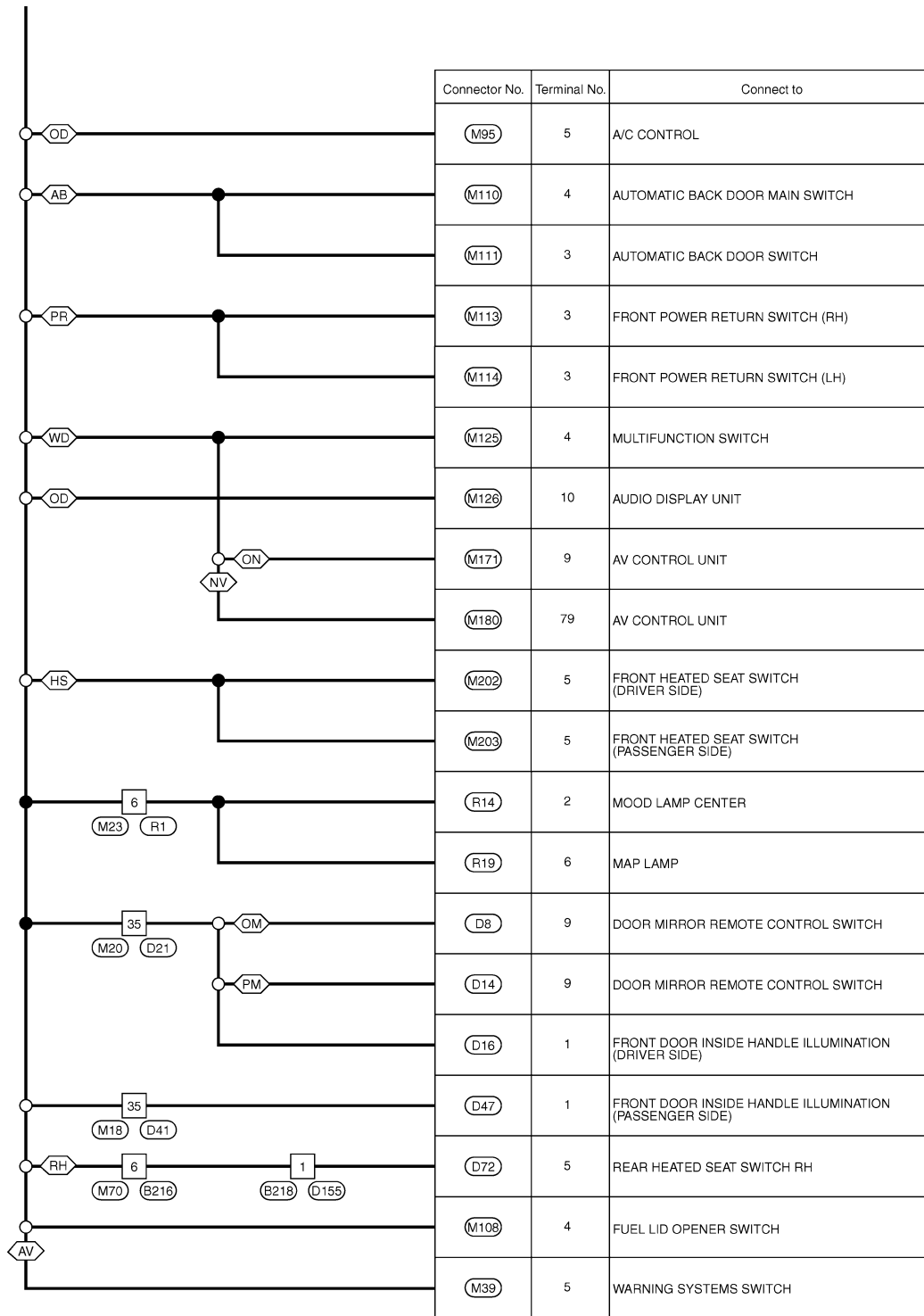
BATTERY POWER SUPPLY FUSE No. 53



POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]



2012/08/24

JRMWD4441GB

POWER SUPPLY ROUTING CIRCUIT

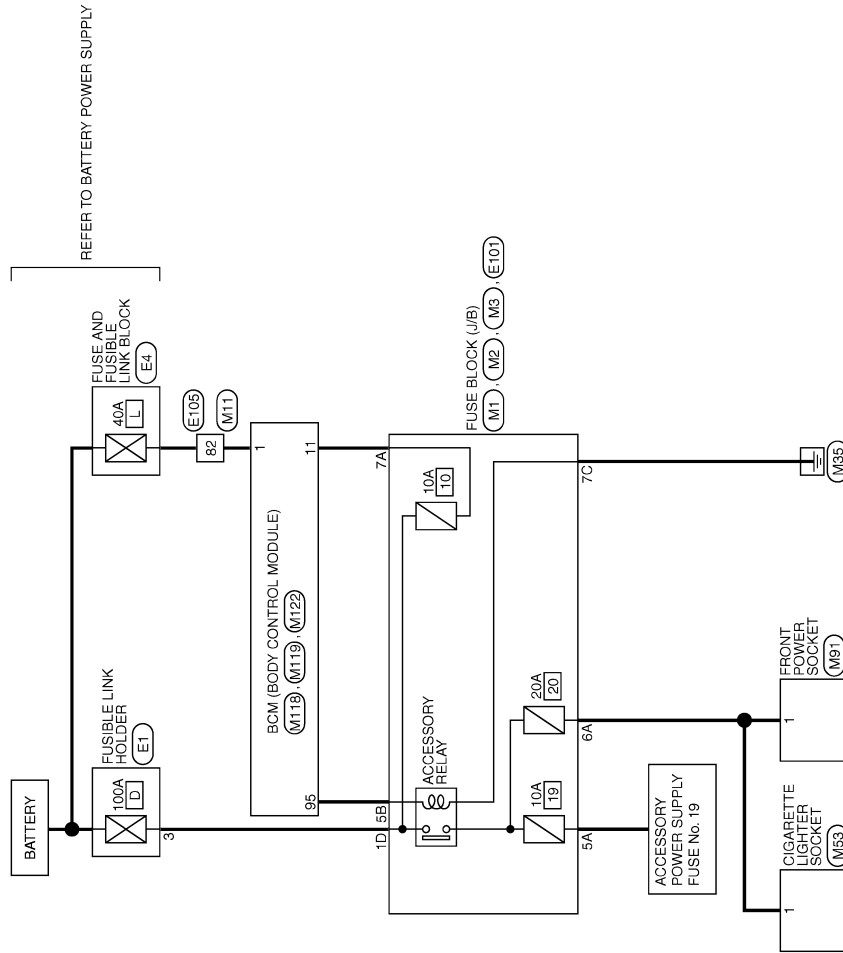
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

Wiring Diagram - ACCESSORY POWER SUPPLY -

INFOID:000000009720282

ACCESSORY POWER SUPPLY



2012/08/24

JRMWD4442GB

PG

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

ACCESSORY POWER SUPPLY

Connector No.	E39
Connector Name	TEL ADAPTER UNIT
Connector Type	TH32FW-NH



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

Connector No.	E48
Connector Name	SATELLITE RADIO TUNER
Connector Type	A16FW



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

8	SHIELD	SHIELD
9	R/W	REQUEST (SAT-CONT)
10	R/L	COMM (SAT-CONT)
12	B	COMM (CONT-SAT)
15	B	BATTERY
16	GR	GROUND
18	GR	ACC

Connector No.	DB
Connector Name	DOOR MIRROR REMOTE CONTROL SWITCH
Connector Type	TR16FW



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

Connector No.	E1
Connector Name	FUSIBLE LINK HOLDER
Connector Type	LD2FSY-MC



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

Connector No.	E4
Connector Name	FUSE AND FUSIBLE LINK BLOCK
Connector Type	24S81789DA



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

Connector No.	E101
Connector Name	FUSE BLOCK (J/B)
Connector Type	LD1FW-MC



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

Connector No.	E105
Connector Name	WIRE TO WIRE
Connector Type	TH70MM-CS1P-M3



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

POWER SUPPLY ROUTING CIRCUIT

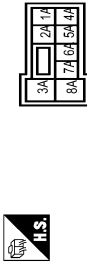
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

ACCESSORY POWER SUPPLY

39	L	-
40	B	-
41	P	-
42	L	-
43	L	-
48	SB	-
49	GR	-
50	GR	-
51	LG	-
52	V	-
53	GR	-
54	BR	-
55	Y	-
56	W/L	-
60	V	-
61	BR	-
62	O	-
63	L	-
64	SHIELD	-
65	W	-
66	W	-
67	BR	-
68	Y	-
69	SB	-
70	GR	-
71	SB	-
72	Y	-
73	L	-
74	W	-
75	BR	-
76	GR	-
77	O	-
78	G	-
79	Y	-
80	R	-
81	W	-
82	LG	-
83	O	-

Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS36FW-M2



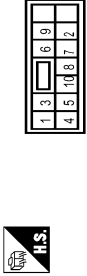
Terminal No.	Color Of Wire	Signal Name [Specification]
1A	Y	-
2A	G	-
3A	Y	-
4A	GR	-
7A	LG	-
8A	Y	-

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



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

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



Terminal No.	Color Of Wire	Signal Name [Specification]
10C	SB	-
11C	Y	-
12C	O	-
6C	BR	-
7C	B	-
8C	G	-
9C	GR	-

Connector No.	M11
Connector Name	WIRE TO WIRE
Connector Type	TH10FW-CS10-M3



Terminal No.	Color Of Wire	Signal Name [Specification]
3	P	-
5	BR	-
5	O	-
6	G	-
8	R	-
11	P	-
12	L	-
13	Y	-
14	Y	-
15	R	-
20	W	-
20	Y	-
21	BR	-

22	LG	-
23	Y	-
24	-	-
28	I	-
29	BR	-
30	R	-
38	R	-
39	L	-
40	B	-
47	P	-
48	L	-
49	W	-
50	GR	-
51	LG	-
52	Y	-
53	V	-
54	O	-
55	SB	-
56	P	-
56	LG	-
60	V	-
61	GR	-
62	BR	-
63	V	-
64	SHIELD	-
66	W	-
67	R	-
68	W	-
69	P	-
70	G	-
71	G	-
72	BR	-
73	Y	-
74	W	-
75	BR	-
76	R	-
77	G	-
78	Y	-
79	G	-
80	R	-
81	W	-
82	W	-
83	EG	-

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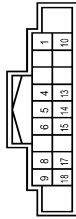
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

ACCESSORY POWER SUPPLY

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



Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	SOUND SIGNAL FRONT LH (+)
2	B	SOUND SIGNAL FRONT LH (-)
4	LG	SOUND SIGNAL REAR LH (+)
5	Y	SOUND SIGNAL REAR LH (-)
7	R	ACC
8	SB	ILLUMINATION CONTROL SIGNAL (+)
9	R	ILLUMINATION CONTROL SIGNAL (-)
11	BR	SOUND SIGNAL FRONT RH (+)
12	W	SOUND SIGNAL FRONT RH (-)
13	GR	SOUND SIGNAL REAR RH (+)
14	P	SOUND SIGNAL REAR RH (-)
19	Y	BATTERY

Connector No.	M59
Connector Name	A/C AUTO AMP.
Connector Type	SAB40FW



Terminal No.	Color Of Wire	Signal Name [Specification]
1	S	CAN-H
2	P	CAN-L
6	L	TX (AMP SW & DSP)
7	P	RX (SW AMP)
10	G	LAN SIG [Without colour display]
10	L	LAN SIG [With colour display]
11	R	VACTR
15	BR	SUN SENS

18	G	INTAKE SENS [With colour display]
18	R	INTAKE SENS [Without colour display]
19	B	GROUND
20	G	IGN
26	GR	RR DEF Z/B
27	BR	RR DEF ON
32	L	FAN PWM
34	P	AMB POWER [With colour display]
34	V	AMB POWER [Without colour display]
35	G	AMB SENS [Without colour display]
35	L	AMB SENS [With colour display]
36	LG	INCAR SENS
37	SB	SENS GND [Without colour display]
37	Y	SENS GND [With colour display]
40	Y	GRND POWER
		BAT

Connector No.	M53
Connector Name	CIARLETTE LIGHTER SOCKET
Connector Type	P02FB-Z



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

Connector No.	M61
Connector Name	FRONT POWER SOCKET
Connector Type	P02FB-Z



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

Connector No.	M62
Connector Name	POWER SOCKET RELAY
Connector Type	MS02FL-M2-LC



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

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	GR	POWER WINDOW POWER SUPPLY (BAT)
3	L	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	P/W	INTERIOR ROOM LAMP POWER SUPPLY
5	G	PASSENGER DOOR UNLOCK OUTPUT
7	W	STEP LAMP CONT
8	V	ALL DOOR FUEL LID LOCK OUTPUT
9	G	DRIVER DOOR FUEL LID UNLOCK OUTPUT
10	P	REAR DOOR UNLOCK OUTPUT
11	LG	BAT (FUSE)
13	B	GROUND
14	O	PUSH-BUTTON IGNITION SW ILL GND
17	G	TURN SIGNAL RH
18	BR	TURN SIGNAL LH
19	Y	INT ROOM LAMP CONT

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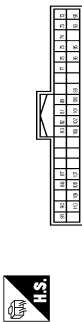
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

ACCESSORY POWER SUPPLY

Connector No.	M122
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40PB-NH



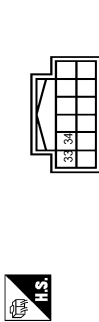
Terminal No.	Color Of Wire	Signal Name [Specification]
72	B	ROOM ANT-
73	W	ROOM ANT+
74	Y	PASSENGER DOOR ANT-
75	LG	PASSENGER DOOR ANT+
76	V	DRIVER DOOR ANT-
77	P	DRIVER DOOR ANT+
80	SB	NATS ANT AMP
81	O	NATS ANT AMP
82	BR	IGN RELAY (F/B) CONT
83	P	KEYLESS ENTRY RECEIVER COMM
87	R	COMBI SW INPUT 5
88	GR	COMBI SW INPUT 3
90	P	CAN-L
91	L	CAN-H
92	R	KEY SLOT ILL CONT
93	R	TRUNK ILL CONT
95	L	ACC RELAY CONT
96	Y	CVT SHIFT SELECTOR POWER SUPPLY
99	V	SHIFT P
100	P	PASSENGER DOOR REQUEST SW
101	W	DRIVER DOOR REQUEST SW
102	Y	BLOWER RELAY CONT
103	L	KEYLESS ENTRY RECEIVER POWER SUPPLY
107	O	COMBI SW INPUT 1
108	P	COMBI SW INPUT 4
109	SB	COMBI SW INPUT 2
110	G	HAZARD SW

Connector No.	M125
Connector Name	MULTIFUNCTION SWITCH
Connector Type	TH16FW-NH



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

Connector No.	M126
Connector Name	AUDIO DISPLAY UNIT
Connector Type	TH12FW-NH



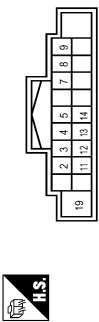
Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	AV COMM (L)
2	G	AV COMM (H)
3	B	GROUND
8	R	ACC
9	R	ILLUMINATION CONTROL SIGNAL (+)
11	SB	ILLUMINATION CONTROL SIGNAL (-)

Connector No.	M171
Connector Name	AV CONTROL UNIT
Connector Type	TH18FW-GSZ



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

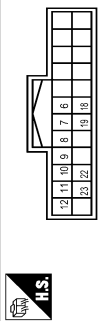
Connector No.	M178
Connector Name	AV CONTROL UNIT
Connector Type	TH18FW-GSZ



Terminal No.	Color Of Wire	Signal Name [Specification]
1	P	AMP ON SIGNAL
2	G	SOUND SIGNAL FRONT LH (+)
3	R	SOUND SIGNAL FRONT LH (-)
4	O	SOUND SIGNAL REAR LH (+)
5	SB	SOUND SIGNAL REAR LH (-)

6	BR	STRG SW A
7	W	ACC (With BOSE system)
10	B	SHIELD
11	B	SOUND SIGNAL FRONT RH (+)
12	W	SOUND SIGNAL FRONT RH (-)
13	V	SOUND SIGNAL REAR RH (+)
14	LG	SOUND SIGNAL REAR RH (-)
15	L	STRG SW GND
16	G	STRG SW B
19	Y	BATTERY
20	B	GROUND

Connector No.	M195
Connector Name	DISPLAY UNIT
Connector Type	TH24FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
6	B	SHIELD
7	B	SHIELD
8	W	CAMERA IMAGE SIGNAL
9	W	CAMERA IMAGE SIGNAL
10	R	COMM CONT - DSP
11	Y	BATTERY
12	B	GROUND
18	LG	-
19	L	-
22	B	-
23	W	ACC

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POWER SUPPLY ROUTING CIRCUIT

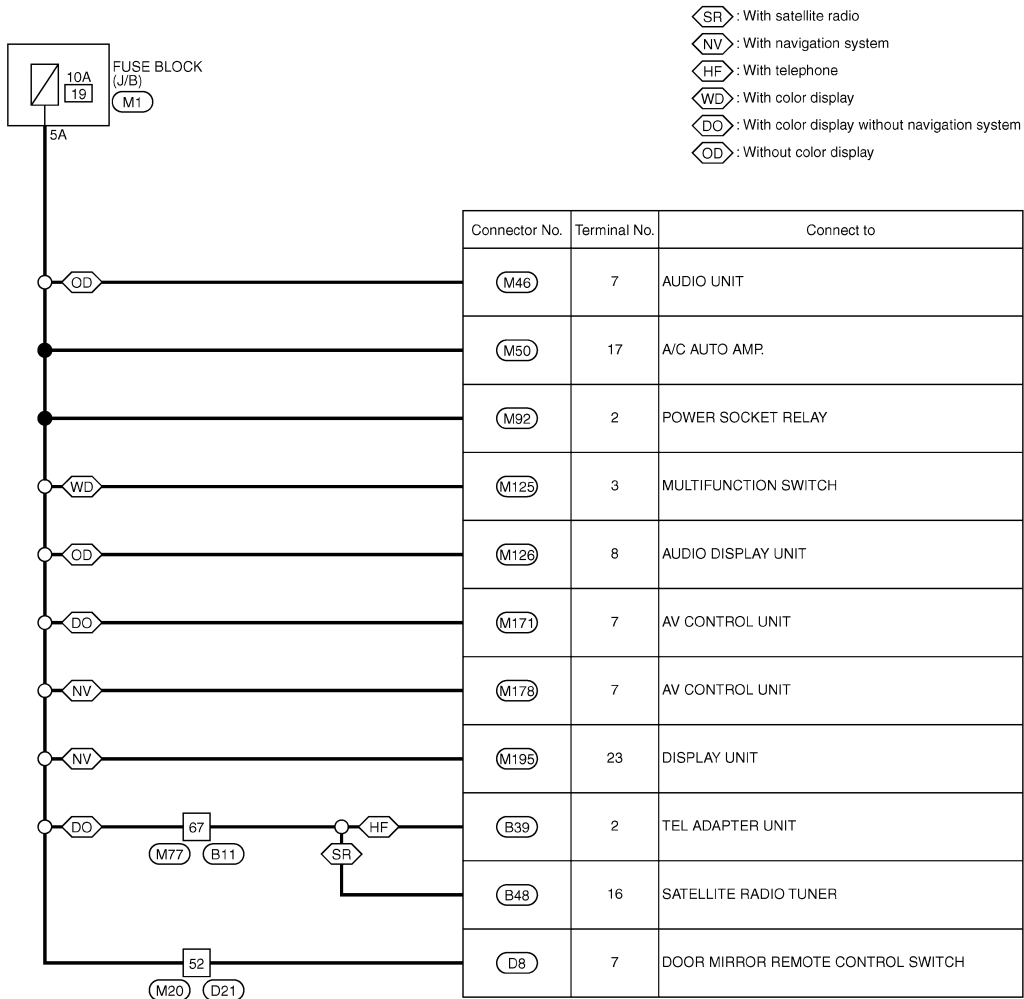
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[POWER SUPPLY&GROUND CIRCUIT]

Wiring Diagram - ACCESSORY POWER SUPPLY FUSE No. 19 -

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ACCESSORY POWER SUPPLY FUSE No. 19



2010/09/06

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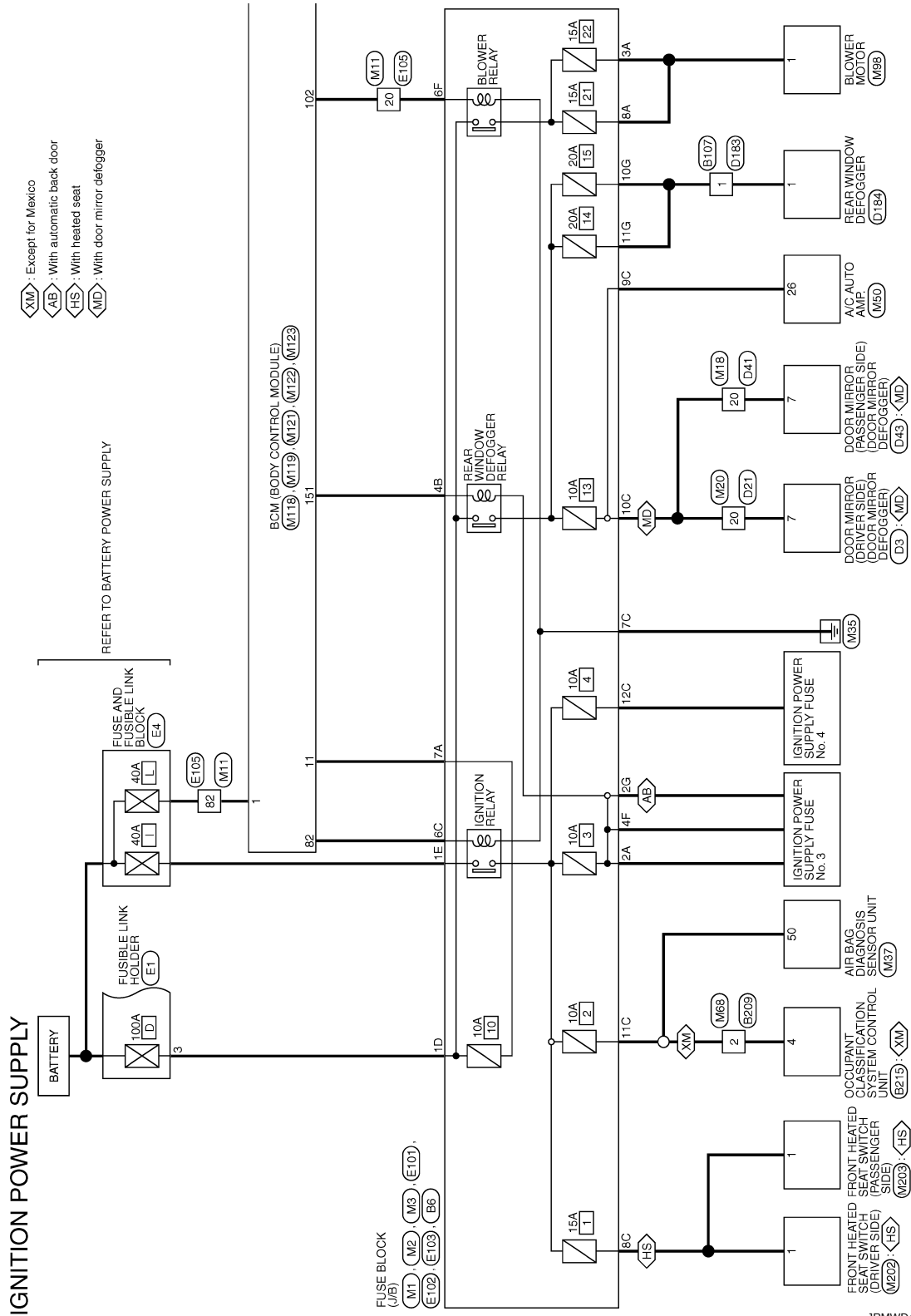
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

Wiring Diagram - IGNITION POWER SUPPLY -

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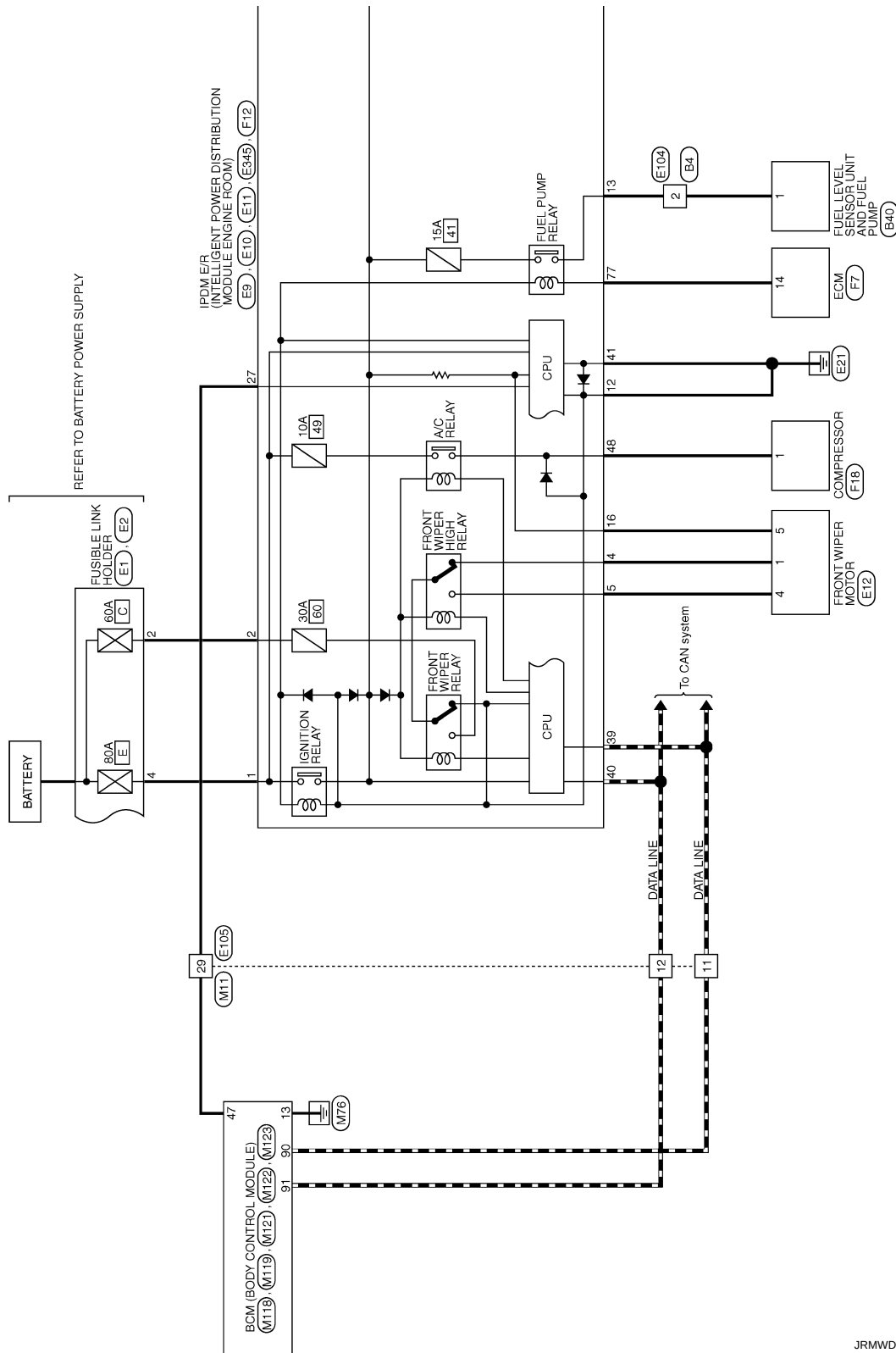
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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]



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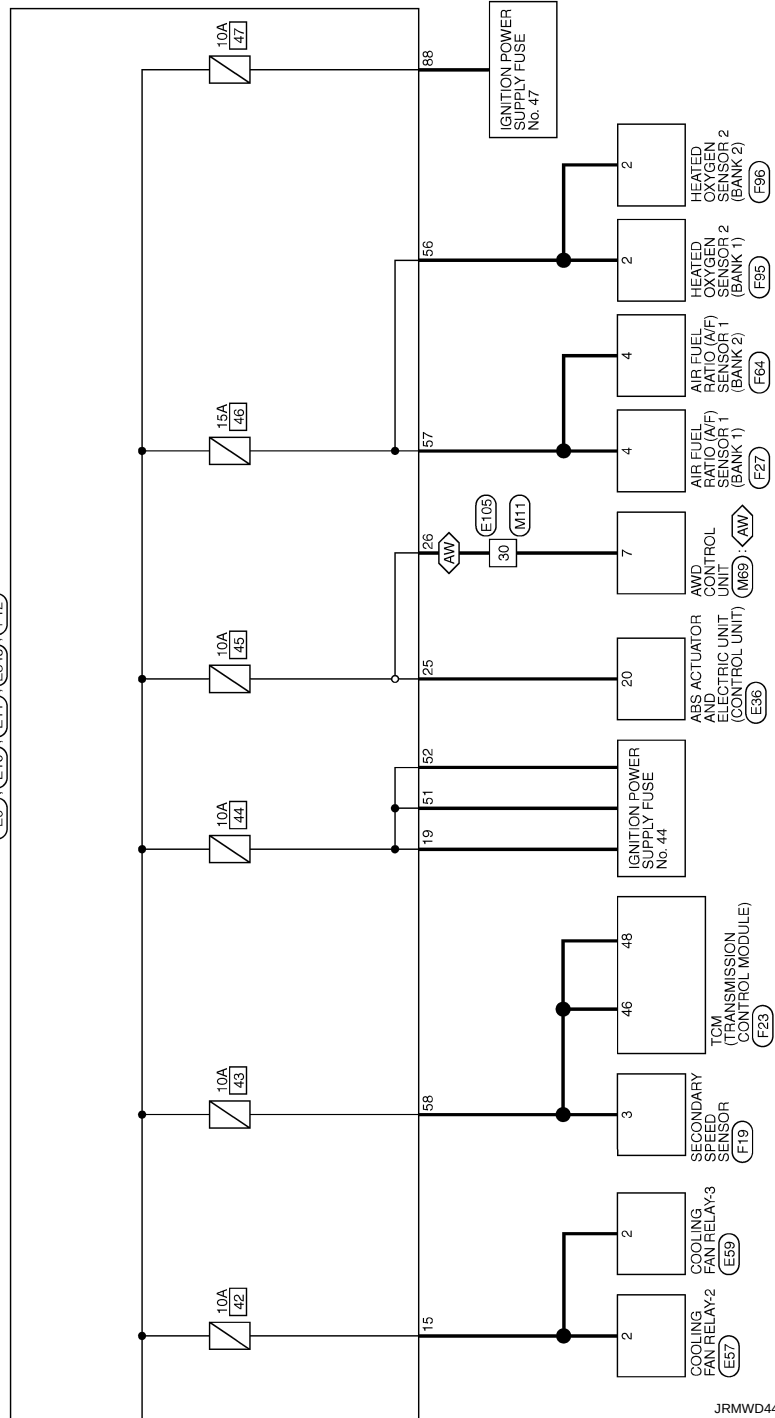
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

AW : AWD models

IPDM E/R
(INTELLIGENT POWER DISTRIBUTION
MODULE ENGINE ROOM)
(E9) (E10) (E11) (E345) (F12)



JRMWD4445GB

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

IGNITION POWER SUPPLY

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



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

Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	Buzzer
2	Y	ABD SW
3	W	ABD CLOSE SW
4	R	CAN-H
5	O	CAN-L
6	P	HALF LATCH SW
7	L	IGN
8	B	CLOSURE MTR (CLOSE)
9	LG	CLOSURE MTR (OPEN)
10	V	TOUCH SENS LH
11	L	TOUCH SENS RH
12	BR	MAIN SW
13	P	CLOSE SW
14	BR	OPEN SW
15	O	GROUND
16	G	GROUND

Connector No.	B6
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS12PBR-CS



10G	Y
11G	Y
1G	SB

Terminal No.	Color Of Wire	Signal Name [Specification]
10G	Y	
11G	Y	
1G	SB	

1G	GR
4G	U
5G	P

Connector No.	B8
Connector Name	AUTOMATIC BACK DOOR CONTROL UNIT
Connector Type	TH20FW-TB8



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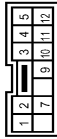
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

IGNITION POWER SUPPLY

Connector No.	B209
Connector Name	WIRE TO WIRE
Connector Type	TK12MG-Y-BD



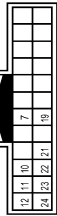
Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	W	-
3	L	-
4	BR	-
5	Y	-
6	G	-
7	SHIELD	-
8	LG	-
9	P	-
11	SB	-

Connector No.	B215
Connector Name	OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT
Connector Type	TH40FW-NH



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

Connector No.	D3
Connector Name	DOOR MIRROR (DRIVER SIDE)
Connector Type	TH24MW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
7	LG	-
10	V	-
11	BR	-
12	SB	-
13	B	-
21	BR	-
22	G	-
23	GR	-
24	Y	-

Connector No.	D21
Connector Name	WIRE TO WIRE
Connector Type	TH40FW-CS15



Terminal No.	Color Of Wire	Signal Name [Specification]
1	V	-
2	G	-
3	P	-
4	W	-
5	SB	-
6	P	-
7	BR	-
8	GR	-
9	V	-
10	V	-
11	O	-

Connector No.	D41
Connector Name	WIRE TO WIRE
Connector Type	TH40FW-CS15



Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	-
2	V	-
3	B	-
4	W	-
5	P	-
6	P	-
7	O	-
8	B	-
16	G	-
17	Y	-
18	GR	-
19	BR	-
20	LG	-
24	LG	-
25	W	-
28	O	-
29	V	-
30	SB	-
31	BR	-
32	R	-
33	G	-
34	Y	-
35	L	-

14	B	-
16	G	-
17	Y	-
18	GR	-
19	BR	-
20	LG	-
24	P	-
25	V	-
26	W	-
27	R	-
29	V	-
30	SB	-
31	BR	-
32	R	-
33	G	-
34	Y	-
35	L	-
41	P	-
42	GR	-
43	L	-
44	W	-
45	SB	-
46	R	-
50	V	-
51	O	-
52	L	- [Without automatic drive positioner]
52	P	- [With automatic drive positioner]
53	S	- [Without automatic drive positioner]
53	LG	- [With automatic drive positioner]
54	SB	- [Without automatic drive positioner]
54	SB	- [With automatic drive positioner]
55	LG	- [Without automatic drive positioner]
55	O	- [With automatic drive positioner]

JRMWE5884GB

A
B
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PG

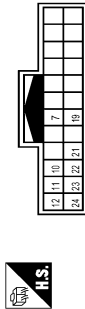
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

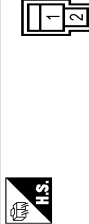
IGNITION POWER SUPPLY

Connector No.	D43
Connector Name	DOOR MIRROR (PASSENGER SIDE)
Connector Type	TH2MM-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
10	BR	-
11	SB	-
12	V	-
19	B	-
21	BR	-
22	G	-
23	GR	-
24	Y	-

Connector No.	D183
Connector Name	WIRE TO WIRE
Connector Type	M02FW-LG



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

Connector No.	D184
Connector Name	REAR WINDOW DEFOGGER
Connector Type	F01FB-A



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

Connector No.	E1
Connector Name	FUSIBLE LINK HOLDER
Connector Type	LG2FSY-MC



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

Connector No.	E2
Connector Name	FUSIBLE LINK HOLDER
Connector Type	LG2FBR-MC-B



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

Connector No.	E4
Connector Name	FUSE AND FUSIBLE LINK BLOCK
Connector Type	24S817890A



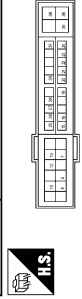
Terminal No.	Color Of Wire	Signal Name [Specification]
31	P	-
32	R	-
33	Y	-
34	L	-
35	V	-
36	O	-
37	SB	-
38	W	-
39	R	-
40	G	-
41	Y	-
42	W	-
43	LG	-
44	BR	-

Connector No.	E9
Connector Name	IPMA F R INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	LG2FB-MC



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

Connector No.	E10
Connector Name	IPMA F R INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	TH20FM-CS12-M4-TV



Terminal No.	Color Of Wire	Signal Name [Specification]
4	LG	-
5	Y	-
7	GR	-
10	BR	-
12	B	-
13	SB	-
15	W	-
16	R	-
19	Y	-
20	L	-
21	O	-
22	SB	-
23	GR	-
24	G	-
25	GR	-
26	Y	-
27	W	-
28	SB	-

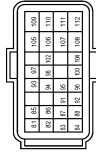
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

IGNITION POWER SUPPLY

Connector No.	E16
Connector Name	ECM
Connector Type	FR24FB-R28-L-LH



Terminal No.	Color Of Wire	Signal Name [Specification]
81	W	ACCELERATOR PEDAL POSITION SENSOR L
82	GR	ACCELERATOR PEDAL POSITION SENSOR R
83	BR	SENSOR POWER SUPPLY
84	B	SENSOR GROUND
85	Y	ASDQ STEERING SWITCH
86	SB	EVAP CONTROL SYSTEM PRESSURE SENSOR
87	GR	SENSOR POWER SUPPLY
88	O	DATA LINK CONNECTOR
91	L	SENSOR POWER SUPPLY
92	BR	SENSOR GROUND
93	BR	IGNITION SWITCH
94	GR	ENGINE SPEED OUTPUT SIGNAL
95	Y	FUEL TANK TEMPERATURE SENSOR
96	GR	SENSOR GROUND
97	P	CAN COMMUNICATION LINE (CAN-L)
98	L	CAN COMMUNICATION LINE (CAN-H)
100	G	SENSOR GROUND
102	R	PMP SIGNAL
104	SB	SENSOR GROUND
105	V	POWER SUPPLY FOR ECM
106	SB	STOP LAMP SWITCH
107	B	ECM GROUND
108	B	ECM GROUND
109	W	EVAP CANISTER VENT CONTROL VALVE
110	G	ASDQ BRAKE SWITCH
111	B	ECM GROUND
112	B	ECM GROUND

Connector No.	E18
Connector Name	BACK-UP LAMP RELAY
Connector Type	MS02EL-M2-LC



Connector No.	E28
Connector Name	REAR VIEW CAMERA WASHER RELAY 1
Connector Type	MS03EB-M2-LC



Terminal No.	Color Of Wire	Signal Name [Specification]
39	P	
40	L	
41	B	
42	SB	
43	Y	
44	W	
45	O	
46	BR	



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



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



Terminal No.	Color Of Wire	Signal Name [Specification]
39	P	
40	L	
41	B	
42	SB	
43	Y	
44	W	
45	O	
46	BR	



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



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



Connector No.	E12
Connector Name	FRONT WIPER MOTOR
Connector Type	HS05FCY



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	
2	L	
3	GR	
4	GR	
5	W	



Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	VALVE / ECU SUPPLY
2	Y	WSS RL SIG (-)
3	L	WSS RL PWT (+)
4	GR	CLUSTER SUPPLY
5	B	WSS FR PWT (+)
6	W	WSS FR SIG (-)
7	LG	LIS
8	Y	WSS FL SIG (-)
9	W	WSS FR SIG (-)
10	SB	CLUSTER GND
11	P	WSS RR PWT (+)
12	V	WSS RR SIG (-)
13	B/W	MOTOR GND
14	G	MOTOR SUPPLY
16	SB	BLS



JRMWE5886GB

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

IGNITION POWER SUPPLY

Connector No.	ES9
Connector Name	COOLING FAN RELAY-3
Connector Type	MOBEFR-R-LC



Connector No.	E49
Connector Name	ASCD BRAKE SWITCH
Connector Type	MO2FEH-LC



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

Connector No.	E37
Connector Name	COOLING FAN RELAY-2
Connector Type	MOBEFR-R-LC



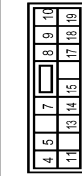
Terminal No.	Color Of Wire	Signal Name [Specification]
1	SB	-
2	G	-
3	L	-
4	Y	-
5	B	-
6	R	-

Connector No.	E102
Connector Name	FUSE BLOCK (J/B)
Connector Type	MO2FEH-LC



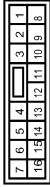
Terminal No.	Color Of Wire	Signal Name [Specification]
1E	G	-

Connector No.	E103
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS1BEFW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
11F	G	-
12F	V	-
13F	L	-
14F	LG	-
15F	BR	-
16F	Y	-
17F	R	-
18F	GR	-

Connector No.	E104
Connector Name	WIRE TO WIRE
Connector Type	NS1BEFW-CS



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

Connector No.	E105
Connector Name	WIRE TO WIRE
Connector Type	TH10MM-CS1D-M3



Terminal No.	Color Of Wire	Signal Name [Specification]
3	Y	-
5	LG	-
6	GR	-
8	G	-

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

IGNITION POWER SUPPLY

11	P	-
12	Y	-
13	Y	-
14	O	-
15	BR	-
20	Y	-
21	BR	-
22	P	-
24	L	-
25	O	-
28	SB	-
29	W	-
30	Y	-
38	R	-
39	L	-
40	B	-
42	P	-
48	L	-
49	SB	-
50	GR	-
51	LG	-
52	V	-
53	GR	-
54	BR	-
55	Y	-
56	W/L	-
60	V	-
61	BR	-
62	O	-
63	L	-
64	SHIELD	-
66	W	-
67	BR	-
68	Y	-
69	SB	-
70	GR	-
71	SB	-
72	Y	-
73	L	-
74	W	-
75	BR	-
76	GR	-
77	O	-
78	G	- [With 2nd vehicle navigation system] - [Without 2nd vehicle navigation system]
79	Y	-
80	R	-
81	W	-
82	LG	-

83	O	-
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Connector No.	ET16
Connector Name	STOP LAMP SWITCH
Connector Type	M04FW-LG

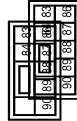


Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	LG	-
3	G	-
4	Y	-

Connector No.	E345
Connector Name	IPMA E/R INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	NS08FW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
83	Y	-
84	L	-
86	SB	-
87	GR	-
88	W	-
89	L	-
90	G	-

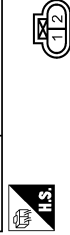


Connector No.	F7
Connector Name	ECM
Connector Type	RH24GY-R28-P-LH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	P/B	FUEL INJECTOR No. 3
2	O/B	THROTTLE CONTROL MOTOR (CLOSE)
3	LG	FUEL INJECTOR No. 5
4	BR/Y	A/F SENSOR 1 HEATER (BANK 1)
5	L	THROTTLE CONTROL MOTOR (OPEN)
6	P	THROTTLE CONTROL MOTOR (CLOSE)
8	SB	A/F SENSOR 1 HEATER (BANK 2)
9	L/B	IGNITION SIGNAL No. 3
10	O/R	IGNITION SIGNAL No. 2
11	Y/R	IGNITION SIGNAL No. 1
12	B	ECM GROUND
13	P/B	HEATED OXYGEN SENSOR 2 HEATER (BANK 1)
14	GR	FUEL PUMP RELAY
15	O	THROTTLE CONTROL MOTOR RELAY
16	B/Y	ECM GROUND
18	GR/R	HEATED OXYGEN SENSOR 1 HEATER (BANK 2)
19	P	IGNITION SIGNAL No. 5
21	W	IGNITION SIGNAL No. 4
24	W/B	ECM RELAY (SELF SHUT-OFF)
25	P/L	EVAP CANISTER PURGE VOLUME CONTROL SOLENOID VALVE
26	GR/B	VAS CONTROL SOLENOID VALVE 2
27	V	VAS CONTROL SOLENOID VALVE 1
28	BR/W	ELECTRONIC CONTROLLED ENGINE MOUNT CONTROL SOLENOID VALVE
29	LG/R	FUEL INJECTOR No. 4
30	R/Y	FUEL INJECTOR No. 3
31	R/W	FUEL INJECTOR No. 2
32	R/B	FUEL INJECTOR No. 1

Connector No.	F11
Connector Name	IPMA E/R INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	E025BR-RS



Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	-
2	BR/W	-

Connector No.	F12
Connector Name	IPMA E/R INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	TH20FW-CS12-M4



Terminal No.	Color Of Wire	Signal Name [Specification]
48	W	-
49	R/B	-
51	LG	-
52	Y/G	-
53	R/W	-
54	G/W	-
55	W/L	-
56	R/Y	-
57	O	-
58	Y	-
59	W/B	-
72	R/B	-
75	LG	-
76	SB	-
77	GR	-
80	B	-

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

IGNITION POWER SUPPLY

Connector No.	F18
Connector Name	COMPRESSOR
Connector Type	RH025B



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

Connector No.	F19
Connector Name	SECONDARY SPEED SENSOR
Connector Type	RK025B



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	—
2	LG/R	—
3	Y	—

Connector No.	F23
Connector Name	TOM (TRANSMISSION CONTROL MODULE)
Connector Type	RH40FB-R2B-L-RH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	LB	TRANSMISSION RANGE SWITCH 2
2	P/G	TRANSMISSION RANGE SWITCH 3
3	G/O	TRANSMISSION RANGE SWITCH 4
4	GR	TRANSMISSION RANGE SWITCH 3 (MONITOR)
5	B	GROUND
7	W	SENSOR GROUND
8	G/W	CLOCK (SEL 2)
9	L/R	CHP SELECT (SEL 1)
10	BR/W	DATA I/O (SEL 3)
11	BR/W	TRANSMISSION RANGE SWITCH 1
13	V	O/V FLD TEMP. TEMP. SENSOR
14	R/W	PRIMARY PRESSURE SENSOR
15	V/W	SECONDARY PRESSURE SENSOR
19	G/B	REVERSE LAMP-RELAY
20	GR	SENSOR GROUND
25	W/R	SENSOR GROUND
26	L/O	SENSOR POWER
27	R/G	STEP MOTOR D
28	R	STEP MOTOR C
29	O/B	STEP MOTOR B
30	G/R	STEP MOTOR A
31	P	CAN-H
32	L	CAN-H
33	LG	PRIMARY SPEED SENSOR
34	LG/R	SECONDARY SPEED SENSOR
37	V/R	LOCK-UP SELECT SOLENOID VALVE
38	L/W	TORQUE CONVERTER CLUTCH SOLENOID VALVE
39	W/B	SECONDARY PRESSURE SOLENOID VALVE
40	GY	LINE PRESSURE SOLENOID VALVE
42	B	GROUND
46	Y	POWER SUPPLY
47	L/R	POWER SUPPLY (MEMORY BACK-UP)
48	Y	POWER SUPPLY

Connector No.	F27
Connector Name	AIR FUEL RATIO (A/F) SENSOR 1 (BANK 1)
Connector Type	RHAM00GY-BR



Terminal No.	Color Of Wire	Signal Name [Specification]
1	P	—
2	BR/Y	—
3	BR/Y	—
4	O	—

Connector No.	F37
Connector Name	FUEL INJECTOR No. 1
Connector Type	HS02FY



Terminal No.	Color Of Wire	Signal Name [Specification]
1	LG	—
2	R/B	—

Connector No.	F38
Connector Name	FUEL INJECTOR No. 2
Connector Type	HS02FY



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	—
2	R/W	—

Connector No.	F39
Connector Name	FUEL INJECTOR No. 3
Connector Type	HS02FY



Terminal No.	Color Of Wire	Signal Name [Specification]
1	LG	—
2	R/Y	—

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

IGNITION POWER SUPPLY

Connector No.	F40
Connector Name	FUEL INJECTOR No. 4
Connector Type	HS2DFCY



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

Connector No.	F41
Connector Name	FUEL INJECTOR No. 5
Connector Type	HS2DFCY



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

Connector No.	F42
Connector Name	FUEL INJECTOR No. 6
Connector Type	HS2DFCY



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

Connector No.	F44
Connector Name	AIR FUEL RATIO (A/F) SENSOR 1 (BANK 2)
Connector Type	RH4MDGY-BR



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

Connector No.	F45
Connector Name	HEATED OXYGEN SENSOR 2 (BANK 1)
Connector Type	RH4MB



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

Connector No.	F46
Connector Name	HEATED OXYGEN SENSOR 2 (BANK 2)
Connector Type	RH4MB



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

Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS2DFW-M2



Terminal No.	Color Of Wire	Signal Name [Specification]
1A	Y	-
2A	G	-
3A	Y	-
4A	GR	-
7A	LG	-
8A	Y	-

Connector No.	M2
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS1DFW-CS



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

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A
B
C
D
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PG

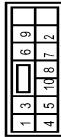
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

IGNITION POWER SUPPLY

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



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

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



Terminal No.	Color Of Wire	Signal Name [Specification]
1	LG	-
2	GR	-
3	GR	-
4	GR	-
5	GR	-
6	GR	-
7	GR	-
8	GR	-
9	GR	-
10	GR	-
11	GR	-
12	GR	-
13	GR	-
14	GR	-
15	GR	-
16	GR	-

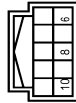
Connector No.	M11
Connector Name	WIRE TO WIRE
Connector Type	TH10FW-CS10-M3



Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	-
2	GR	-
3	GR	-
4	GR	-
5	GR	-
6	GR	-
7	GR	-
8	GR	-
9	GR	-
10	GR	-
11	GR	-
12	GR	-
13	GR	-
14	GR	-
15	GR	-
16	GR	-
17	GR	-
18	GR	-
19	GR	-
20	GR	-
21	GR	-
22	GR	-
23	GR	-
24	GR	-
25	GR	-
26	GR	-
27	GR	-
28	GR	-
29	GR	-
30	GR	-
31	GR	-
32	GR	-
33	GR	-
34	GR	-
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41	GR	-
42	GR	-
43	GR	-
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50	GR	-
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52	GR	-
53	GR	-
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57	GR	-
58	GR	-
59	GR	-
60	GR	-
61	GR	-
62	GR	-
63	GR	-

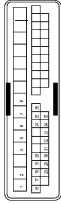
64	SHIELD	-
65	W	-
66	R	-
67	P	-
68	P	-
69	P	-
70	G	-
71	G	-
72	BR	-
73	L	-
74	W	-
75	BR	-
76	R	-
77	G	-
78	Y	-
79	Y	-
80	Y	-
81	W	-
82	W	-
83	RG	-

Connector No.	M16
Connector Name	A/G DISPLAY
Connector Type	TH10FB-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	GROUND
2	G	IGN
3	R	ILL+
4	BR	ILL-
5	L	RX (AMP DISP)

Connector No.	M18
Connector Name	WIRE TO WIRE
Connector Type	TH10MW-CS15



Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	-
2	GR	-
3	GR	-
4	Y	-
5	Y	-
6	Y	-
7	Y	-
8	Y	-
9	Y	-
10	Y	-
11	Y	-
12	Y	-
13	Y	-
14	Y	-
15	Y	-
16	Y	-
17	Y	-
18	Y	-
19	Y	-
20	Y	-
21	Y	-
22	Y	-
23	Y	-
24	Y	-
25	Y	-
26	Y	-
27	Y	-
28	Y	-
29	Y	-
30	Y	-
31	Y	-
32	Y	-
33	Y	-
34	Y	-
35	Y	-

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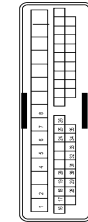
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

IGNITION POWER SUPPLY

Connector No.	M20
Connector Name	WIRE TO WIRE
Connector Type	TH40MW-CS13



Terminal No.	Color Of Wire	Signal Name [Specification]
1	V	-
2	G	-
3	W	-
4	B	- [With BOSE system and base audio without iPod] - [With BOSE system and base audio without iPod]
5	G	-
6	V	-
7	BR	-
8	W	-
9	SB	-
10	L	-
11	G	-
12	B	-
13	GR	-
14	Y	-
15	Y	-
16	W	-
17	Y	-
18	W	-
19	Y	-
20	SB	-
21	P	-
22	V	-
23	W	-
24	R	-
25	R	-
26	R	-
27	R	-
28	L	-
29	SB	-
30	W	-
31	SB	-
32	W	-
33	BR	-
34	BR	-
35	BR	-
36	BR	-
37	BR	-
38	BR	-
39	BR	-
40	BR	-
41	LG	-
42	LG	-
43	BR	-
44	Y	-
45	P	-

46	P	-
47	V	-
48	GR	-
49	GR	-
50	GR	-
51	GR	-
52	GR	-
53	L	-
54	V	-
55	LG	-
56	GR	-
57	SB	-

Connector No.	M28
Connector Name	HEATED STEERING WHEEL SWITCH
Connector Type	NS36FW-CS



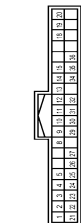
Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	-
2	BR	-
3	W	-
4	SB	-
5	BR	-
6	B	-

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



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

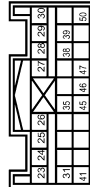
Connector No.	M34
Connector Name	COMBINATION METER
Connector Type	TH40FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	BATTERY POWER SUPPLY
2	LG	IGN SIGNAL
3	B	GROUND
4	B	ILLUMINATION CONTROL SIGNAL
5	SB	TRIP RESET SIGNAL
6	W	METER & SWELL POWER GROUND
7	W	METER & SWELL POWER GROUND
8	W	METER & SWELL POWER GROUND
9	W	METER & SWELL POWER GROUND
10	W	METER & SWELL POWER GROUND
11	W	METER & SWELL POWER GROUND
12	V	SELECT SWITCH SIGNAL
13	R	ILLUMINATION CONTROL SWITCH SIGNAL (-)
14	GR	ILLUMINATION CONTROL SWITCH SIGNAL (-)
15	BR	AIR BAG SIGNAL
16	L	AMBIENT SENSOR SIGNAL
17	L	AMBIENT SENSOR SIGNAL
18	L	AMBIENT SENSOR SIGNAL
19	P	AMBIENT SENSOR SIGNAL
20	Y	AMBIENT SENSOR SIGNAL
21	L	CAN-H
22	P	CAN-L
23	B	GROUND
24	W	FUEL LEVEL SENSOR GROUND
25	BR	ALTERNATOR SIGNAL
26	BR	ALTERNATOR SIGNAL
27	V	BRAKE FLUID LEVEL SWITCH SIGNAL
28	R	WASHER LEVEL SWITCH SIGNAL
29	P	VEHICLE SPEED SIGNAL (2-PULSE)
30	P	VEHICLE SPEED SIGNAL (2-PULSE)
31	V	VEHICLE SPEED SIGNAL (8-PULSE)
32	LG	OVERDRIVE CONTROL SWITCH SIGNAL
33	G	FUEL LEVEL SENSOR SIGNAL
34	G	FUEL LEVEL SENSOR SIGNAL

35	SB	SEAT BELT BUCKLE SWITCH SIGNAL (DRIVER SIDE)
36	R	SEAT BELT BUCKLE SWITCH SIGNAL (PASSENGER SIDE)

Connector No.	M37
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	NH28FY-EX



Terminal No.	Color Of Wire	Signal Name [Specification]
23	Y	INFLATOR AS2+
24	Y/R	INFLATOR AS2+
25	Y/B	INFLATOR AS1+
26	Y/G	INFLATOR AS1+
27	B	GROUND
28	Y/G	INFLATOR DR2+
29	Y/R	INFLATOR DR1+4DR2+
30	Y	INFLATOR DR1+
31	V	EC2S-
32	BR	A/B W/L
33	R	SEATBELT W/L
34	SHLD	EC2S-
35	EC2S-	EC2S-
36	P	CAN LO
37	L	CAN HI
46	V	A/B CUTOFF TERTIALE
47	R	IGNITION SIGNAL

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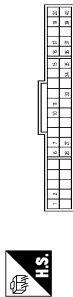
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

IGNITION POWER SUPPLY

Connector No.	M59
Connector Name	A/C AUTO AMP.
Connector Type	SAB46FW



Terminal No.	Color Of Wire	Signal Name [Specification]
1	P	IGN
2	P	IGN
3	P	IGN
4	P	IGN
5	P	IGN
6	L	TX (AMP SW & DSP)
7	P	RX (SW AMP)
8	G	LAN SIG [Without colour display]
9	L	LAN SIG [With colour display]
10	L	LAN SIG [Without colour display]
11	R	VACTR
12	R	SUN SENS
13	R	INTAKE SENS [With colour display]
14	R	INTAKE SENS [Without colour display]
15	R	INTAKE SENS [Without colour display]
16	R	INTAKE SENS [Without colour display]
17	B	GROUND
18	B	GROUND
19	B	GROUND
20	G	IGN
21	GR	RR DEF F/B
22	BR	RR DEF ON
23	BR	RR DEF ON
24	BR	RR DEF ON
25	BR	RR DEF ON
26	BR	RR DEF ON
27	BR	RR DEF ON
28	BR	RR DEF ON
29	BR	RR DEF ON
30	BR	RR DEF ON
31	BR	RR DEF ON
32	P	AMB POWER [Without colour display]
33	P	AMB POWER [Without colour display]
34	V	AMB SENS [Without colour display]
35	G	AMB SENS [Without colour display]
36	L	INGAR SENS
37	LG	INGAR SENS
38	SB	SENS GND [Without colour display]
39	Y	SENS GND [With colour display]
40	Y	GND (POWER)
41	Y	BAT

Connector No.	M58
Connector Name	HEATED SEAT RELAY
Connector Type	MS02FL-M2-LG

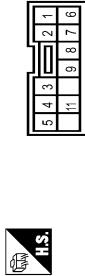


Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	-
2	G	-
3	W	-
4	L	-
5	L	-
6	G	-
7	B	-
8	V	-
9	Y	-
10	Y	-
11	Y	-



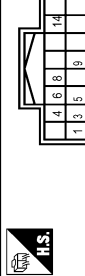
Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	EPS SOL+
2	Y	IGN
3	LG	EPS SOL-
4	B	GROUND
5	B	GROUND
6	P	VEHICLE SPEED (2-PULSE)
7	V	ENG TACHO

Connector No.	M8
Connector Name	WIRE TO WIRE
Connector Type	TK2EG-Y



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

Connector No.	M8
Connector Name	AMD CONTROL UNIT
Connector Type	TH18FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	LG	AMD SOL+
2	L	AMD SOL-
3	R	IGN
4	R	IGN
5	R	IGN
6	R	IGN
7	R	IGN
8	R	IGN
9	R	IGN
10	B	SOL BATT
11	B	GROUND
12	B	GROUND
13	Y	LOCK SW
14	P	IGN-L

Connector No.	M5
Connector Name	A/C CONTROL
Connector Type	TH12FW-NH



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

Connector No.	M8
Connector Name	BLOWER MOTOR
Connector Type	NS02FW-M3



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

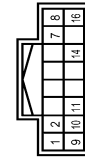
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

IGNITION POWER SUPPLY

Connector No.	M103
Connector Name	COMBINATION SWITCH
Connector Type	TH18FW-NH



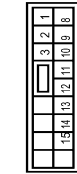
Terminal No.	Color	Wire	Signal Name [Specification]
1	G	P/W	INTERIOR ROOM LAMP POWER SUPPLY
2	S	O	PASSENGER DOOR LOCK OUTPUT
3	B	W	STEERING LOCK OUTPUT
4	W	GR	IGN
5	V	P	DRIVER DOOR FUEL LID LOCK OUTPUT
6	B	G	REAR DOOR UNLOCK OUTPUT
7	GR	L	GROUND
8	L	B	INPUT 3
9	SB	L	OUTPUT 2
10	P	I	INPUT 4
11	O	P	INPUT 1
12	W	W	OUTPUT 1
13	R	R	INPUT 5
14	P	P	OUTPUT 2

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



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

Connector No.	M119
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	NS16FW-CS



Terminal No.	Color	Wire	Signal Name [Specification]
4	P/W	W	INTERIOR ROOM LAMP POWER SUPPLY
7	O	W	STEERING LOCK OUTPUT
8	V	V	ALL DOOR FUEL LID LOCK OUTPUT
9	G	P	DRIVER DOOR FUEL LID LOCK OUTPUT
10	P	P	REAR DOOR UNLOCK OUTPUT
11	LG	B	BAT (FUSE)
13	B	O	GROUND
14	O	O	PUSH-BUTTON IGNITION SW ILL GND
15	L	L	ACC IND
17	G	G	TURN SIGNAL RH
18	BR	BR	TURN SIGNAL LH
19	Y	Y	INT ROOM LAMP CONT

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



Terminal No.	Color	Wire	Signal Name [Specification]
24	W	W	LUCASAGE ROOM ANT-
25	W	W	LUCASAGE ROOM ANT+
38	L	L	REAR BUMPER ANT-
39	BR	BR	REAR BUMPER ANT+
47	L	L	IGN RELAY (IPDM E/R) CONT
52	R	R	STARTER RELAY CONT
60	BR	BR	PUSH SW

61	R	BACK DOOR OPENER REQUEST SW
62	O	REAR WIPER STOP POSITION
65	Y	BACK DOOR SW
66	LG	BACK DOOR OPENER SW
67	W	REAR RH DOOR SW
68	R	REAR LH DOOR SW

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



Terminal No.	Color	Wire	Signal Name [Specification]
72	B	B	ROOM ANT-
73	W	W	ROOM ANT+
74	Y	Y	PASSENGER DOOR ANT-
75	LG	LG	PASSENGER DOOR ANT+
76	V	V	DRIVER DOOR ANT-
77	L	L	DRIVER DOOR ANT+
80	SB	SB	NATS ANT AMP
81	O	O	IGN RELAY (F/R) CONT
82	BR	BR	KEYLESS ENTRY RECEIVER COMM
83	P	P	COMBI SW INPUT 5
88	GR	GR	COMBI SW INPUT 3
90	P	P	CAN-L
91	L	L	CAN-H
92	R	R	KEY SLOT ILL CONT
93	P	P	IGN IND
95	L	L	ACC RELAY CONT
96	Y	Y	CVT SHIFT SELECTOR POWER SUPPLY
99	V	V	SHIFT P
100	W	W	PASSENGER DOOR REQUEST SW
102	Y	Y	DRIVER DOOR REQUEST SW
103	Y	Y	LOWER RELAY CONT
107	O	O	KEYLESS ENTRY/RECEIVER POWER SUPPLY
108	P	P	COMBI SW INPUT 1
109	SB	SB	COMBI SW INPUT 4
110	G	G	HAZARD SW

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



Terminal No.	Color	Wire	Signal Name [Specification]
112	R	R	RAIN SENSOR SERIAL LINK
113	P	P	REAR WINDOW SW
116	GR	GR	STOP LAMP SW
118	G	G	STOP LAMP SW 2
119	W	W	DR DOOR UNLOCK SENSOR
121	Y	Y	KEY SLOT SW
123	G	G	IGN F/B
124	R	R	PASSENGER DOOR SW
130	BR	BR	REAR DEFROGGER SW
132	G	G	POWER WINDOW SW COMM
133	W	W	PUSH-BUTTON IGNITION SW ILL POWER
134	R	R	LOCK IND
137	P	P	RECEIVER SENSOR GND
138	V	V	RECEIVER/SENSOR POWER SUPPLY
139	O	O	TIRE PRESS RECEIVER COMM
140	GR	GR	SECURITY IND LAMP CONT
141	O	O	COMBI SW OUTPUT 5
142	W	W	COMBI SW OUTPUT 1
144	P	P	COMBI SW OUTPUT 2
145	V	V	COMBI SW OUTPUT 3
146	Y	Y	COMBI SW OUTPUT 4
150	SB	SB	DRIVER DOOR SW
151	G	G	REAR WINDOW DEFROGGER RELAY CONT

JRMWE5894GB

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

IGNITION POWER SUPPLY

Connector No.	M174
Connector Name	AV CONTROL UNIT
Connector Type	TH32FW-NH



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Terminal No.	Color Of Wire	Signal Name [Specification]
75	LG	AV COMM (L)
76	SB	AV COMM (H)
77	LG	AV COMM (L)
78	SB	AV COMM (H)
79	P	CAN-L
80	L	CAN-H
81	L	SW GND
82	V	SHIELD
83	R	TEL VOICE SIGNAL (+)
84	L	TEL VOICE SIGNAL (-)
85	V	VEHICLE SPEED SIGNAL (8-PULSE)
86	G	PARKING BRAKE (Without BOSE system)
87	SB	REVERSE
88	G	IGNITION
89	W	DISK SIGNAL
90	W	AUX SOUND SIGNAL GND
91	B	AUX SOUND SIGNAL LH (+)
92	R	AUX SOUND SIGNAL RH (+)

Connector No.	M180
Connector Name	AV CONTROL UNIT
Connector Type	TH32FW-NH

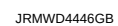


16	15		13	12	11	10	9	8	7	6	5	4	3	2	1
29	31	30	28											18	17

[POWER SUPPLY&GROUND CIRCUIT]

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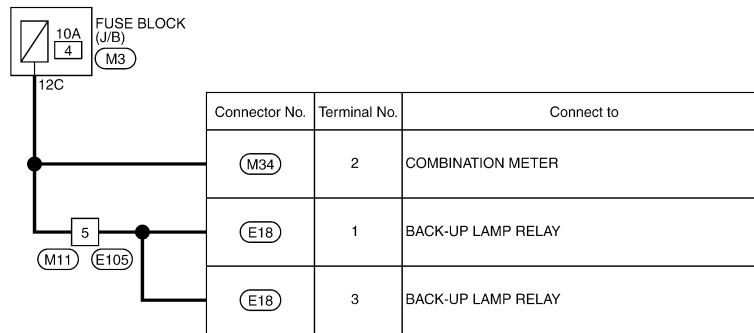
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

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

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2008/09/23

JCMWM3259GB

POWER SUPPLY ROUTING CIRCUIT

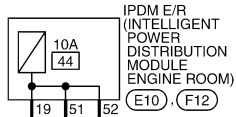
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 44 -

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IGNITION POWER SUPPLY FUSE No. 44



Connector No.	Terminal No.	Connect to
(F37)	1	FUEL INJECTOR No. 1
(F38)	1	FUEL INJECTOR No. 2
(F39)	1	FUEL INJECTOR No. 3
(F40)	1	FUEL INJECTOR No. 4
(F41)	1	FUEL INJECTOR No. 5
(F42)	1	FUEL INJECTOR No. 6
(E16)	93	ECM

2008/09/23

JCMWM3261GB

POWER SUPPLY ROUTING CIRCUIT

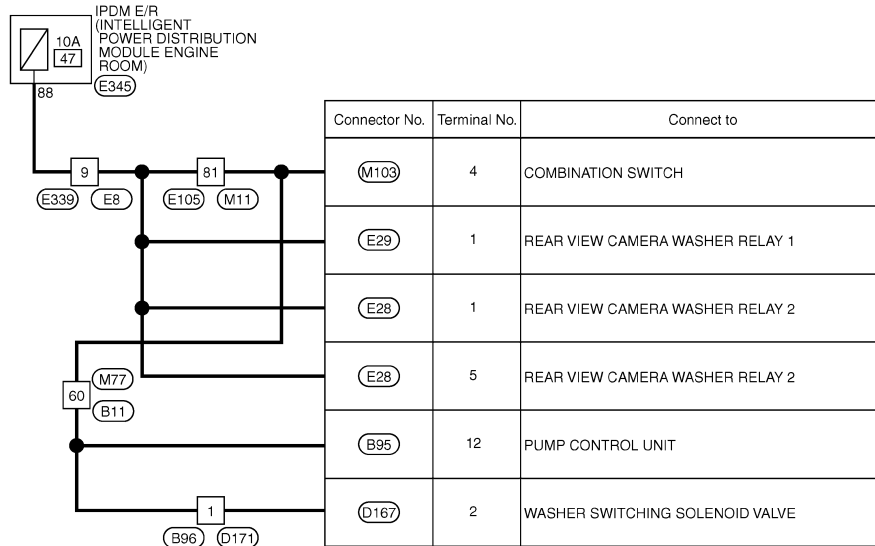
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 47 -

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IGNITION POWER SUPPLY FUSE No. 47



2012/08/24

JRMWD4447GB

POWER SUPPLY ROUTING CIRCUIT

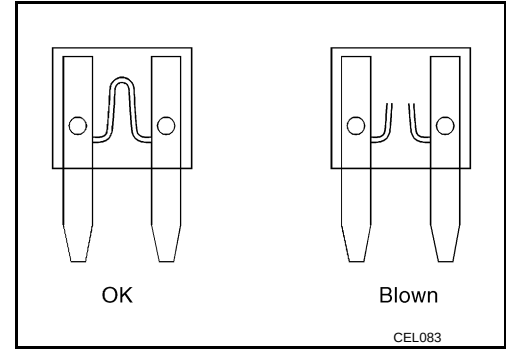
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

Fuse

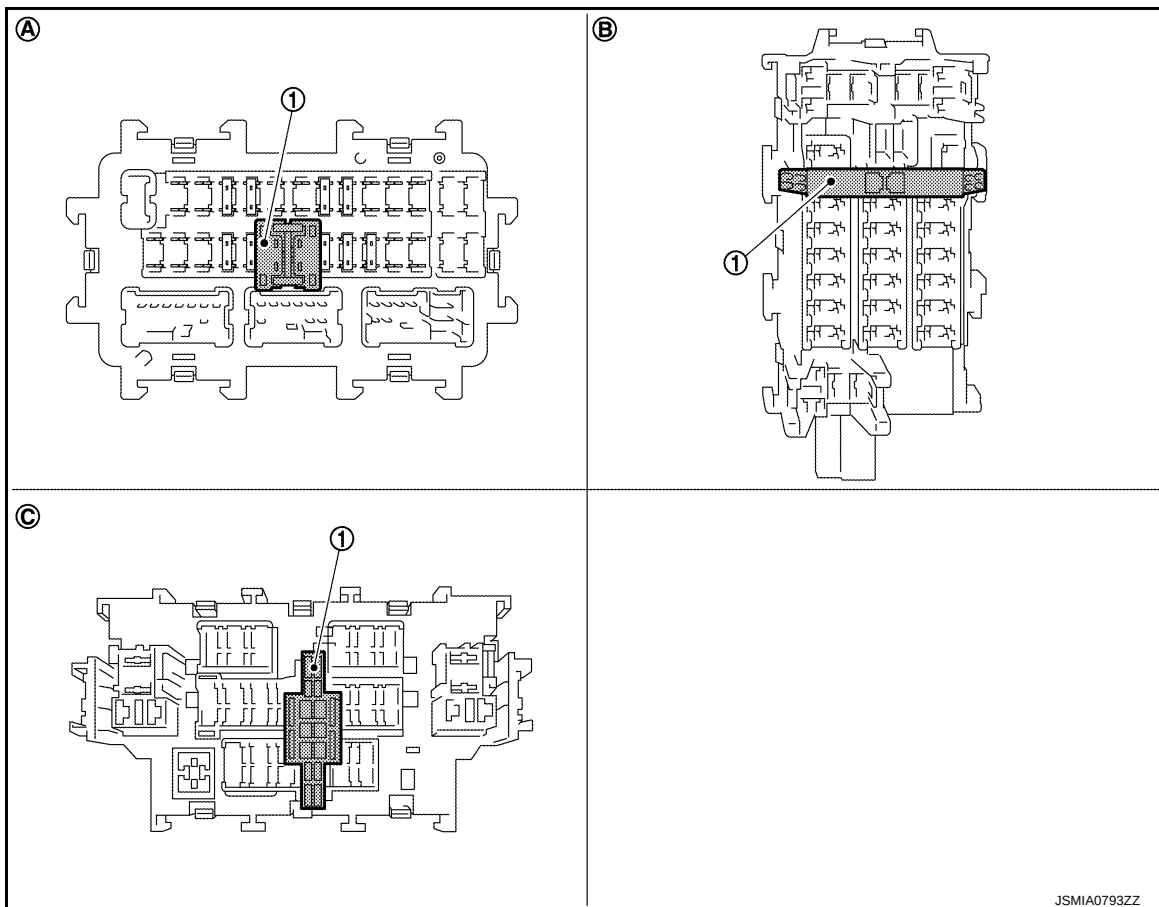
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- If fuse is blown, be sure to eliminate cause of malfunction before installing new fuse.
- Use fuse of specified rating. Never use fuse of more than specified rating.
- Do not partially install fuse; always insert it into fuse holder properly.
- Remove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



EXTENDED STORAGE 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:

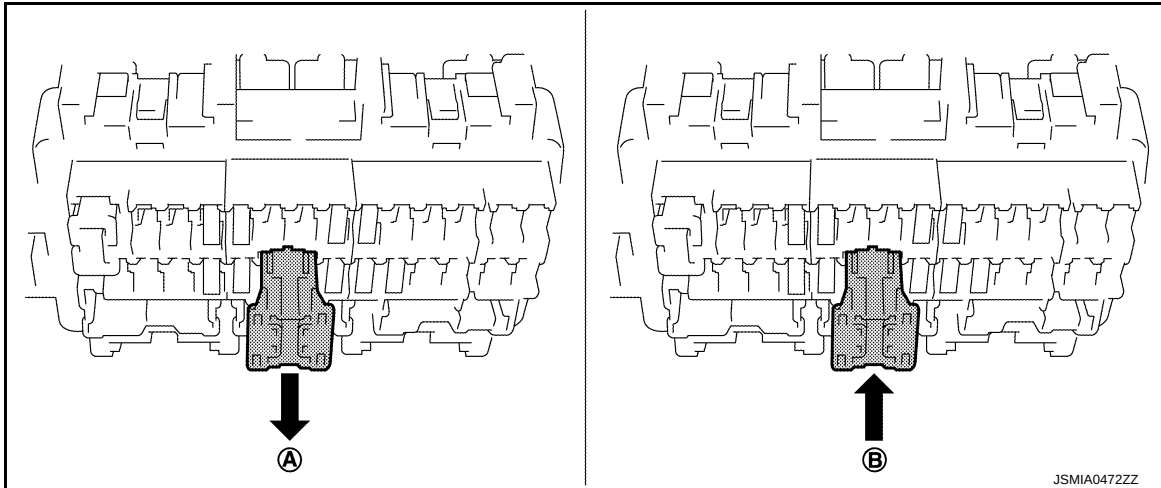
- Turn the ignition switch OFF when operating the extended storage fuse switch.
- Under normal conditions, keep the extended storage fuse switch in ON state. Never operate the extended storage fuse switch except when necessary.

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

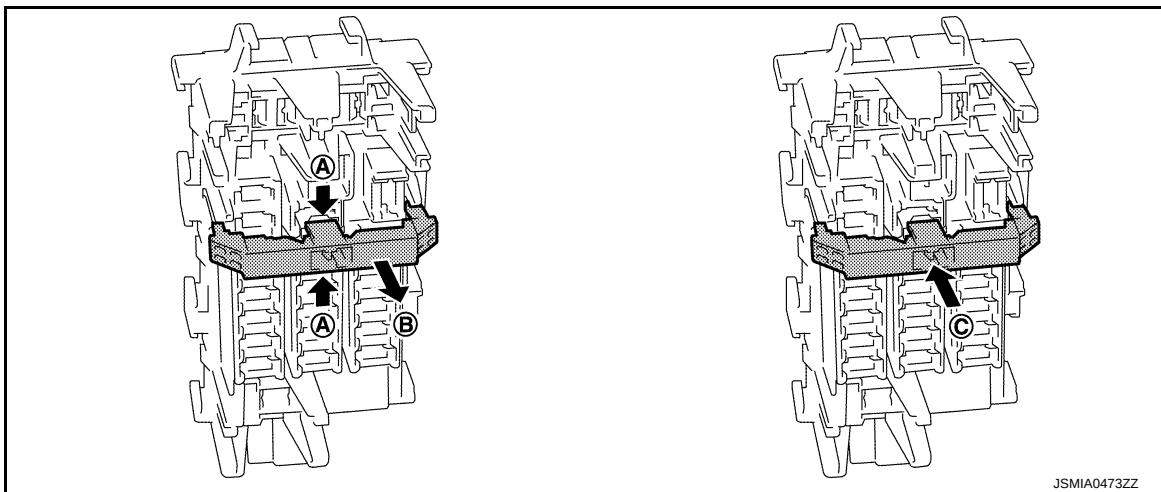
[POWER SUPPLY&GROUND CIRCUIT]

- Type A



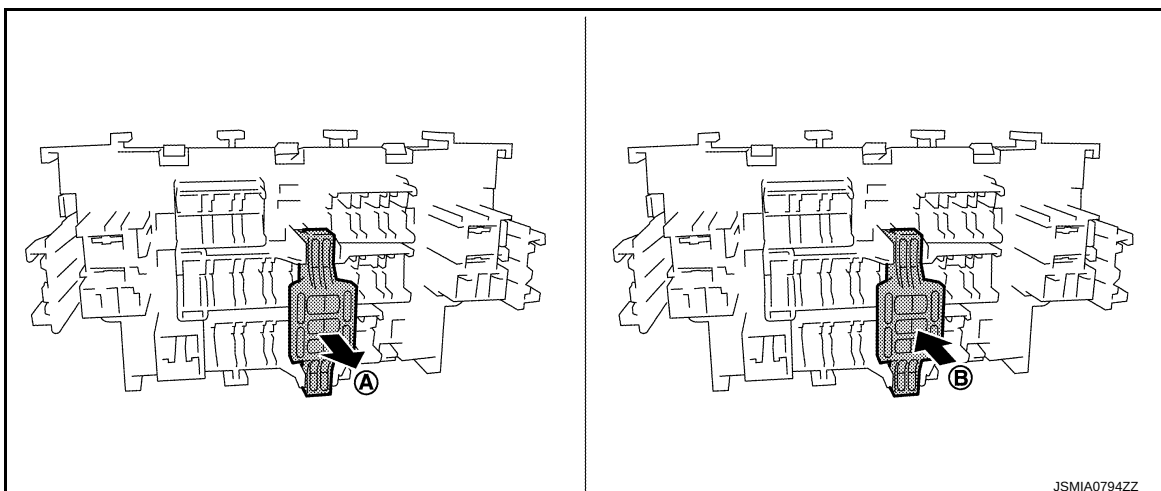
- To turn the extended storage fuse switch OFF, pull it up in (A) direction as shown in the figure.
- To turn the extended storage fuse switch ON, press it in (B) direction as shown in the figure.

- 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

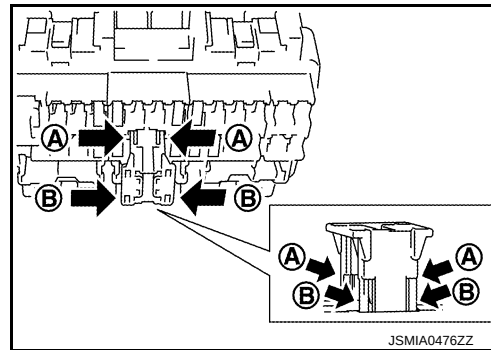
Type A

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

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.

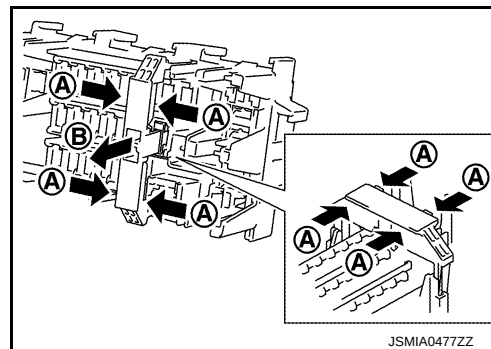


NOTE:

- 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.

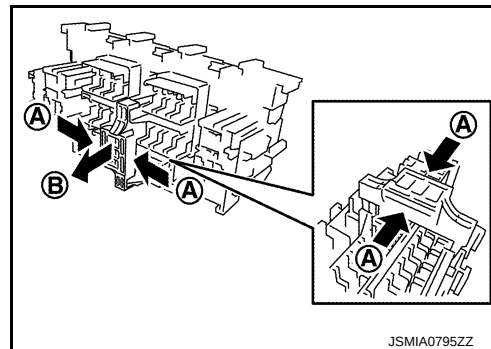


NOTE:

- 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.

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

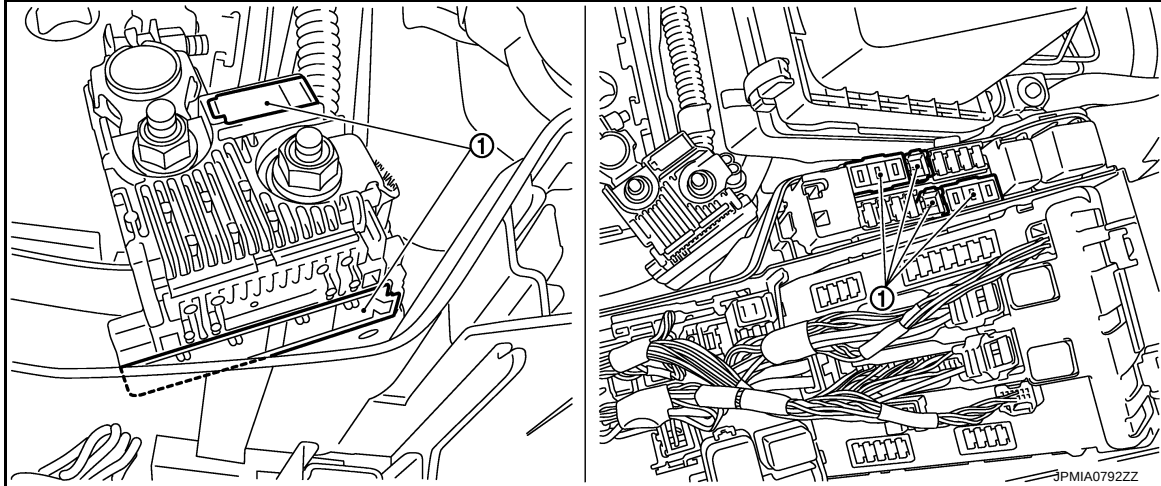
[POWER SUPPLY&GROUND CIRCUIT]

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

Fusible Link

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



1. Fusible link

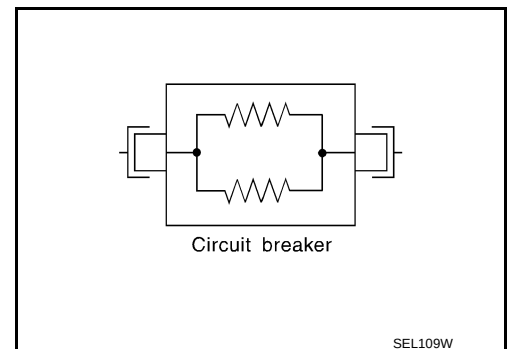
CAUTION:

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

Circuit Breaker

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



OPTION HARNESS

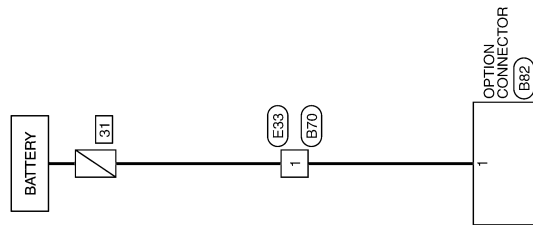
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

OPTION HARNESS

Wiring Diagram - OPTION HARNESS -

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OPTION HARNESS

2008/09/23

JCMWM3190GB

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OPTION HARNESS

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

OPTION HARNESS

Connector No.	B7D	
Connector Name	WIRE TO WIRE	
Connector Type	M01MW-GY-PS	

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

Connector No.	B8Z	
Connector Name	OPTION CONNECTOR	
Connector Type	M01FW-LC	

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

Connector No.	E53	
Connector Name	WIRE TO WIRE	
Connector Type	M01FW-GY-LC	

JRMWE5856GB

HARNESS LAYOUT

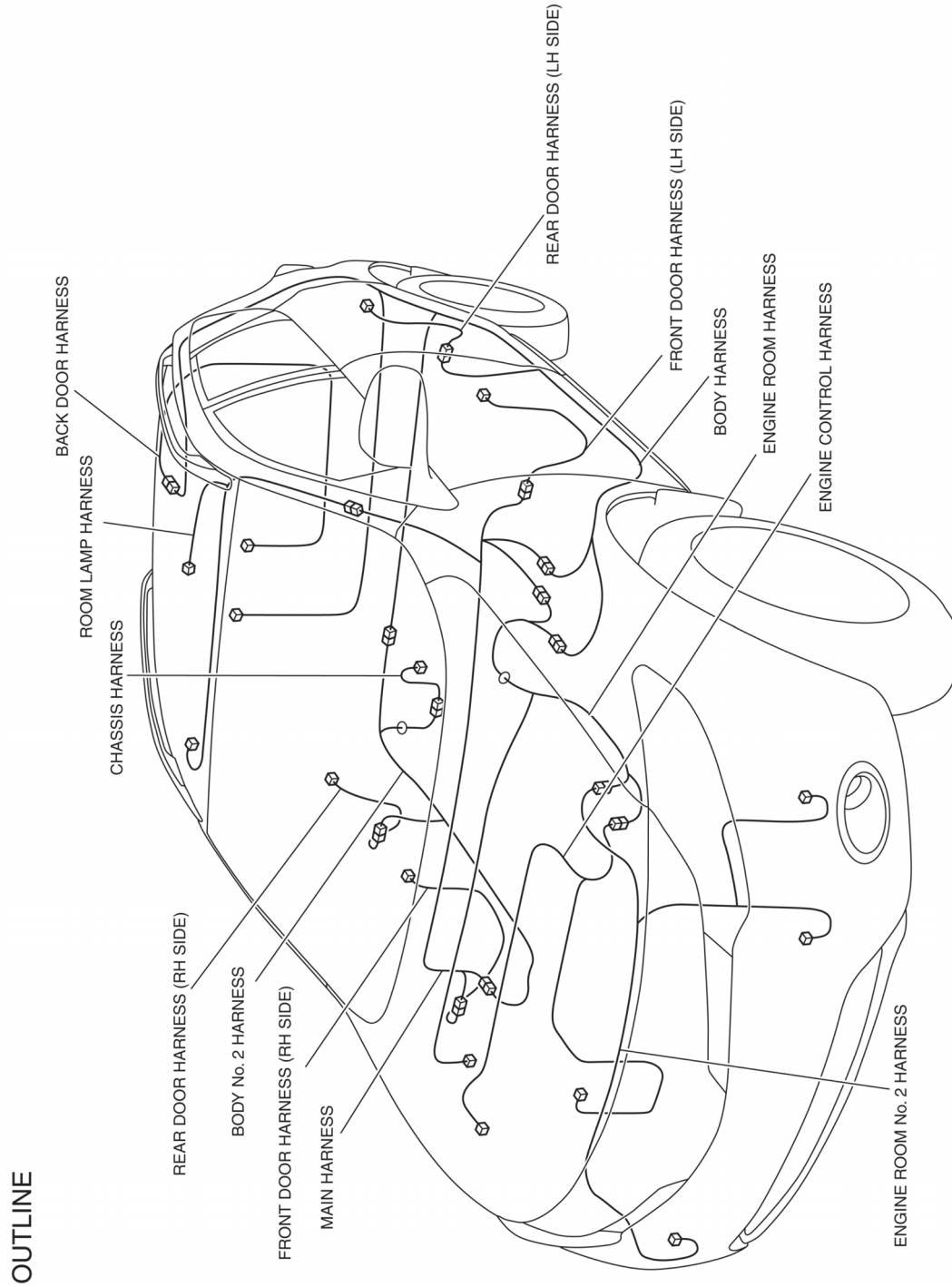
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

HARNESS LAYOUT

Outline

INFOID:000000009720294



2012/08/24

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HARNESS LAYOUT

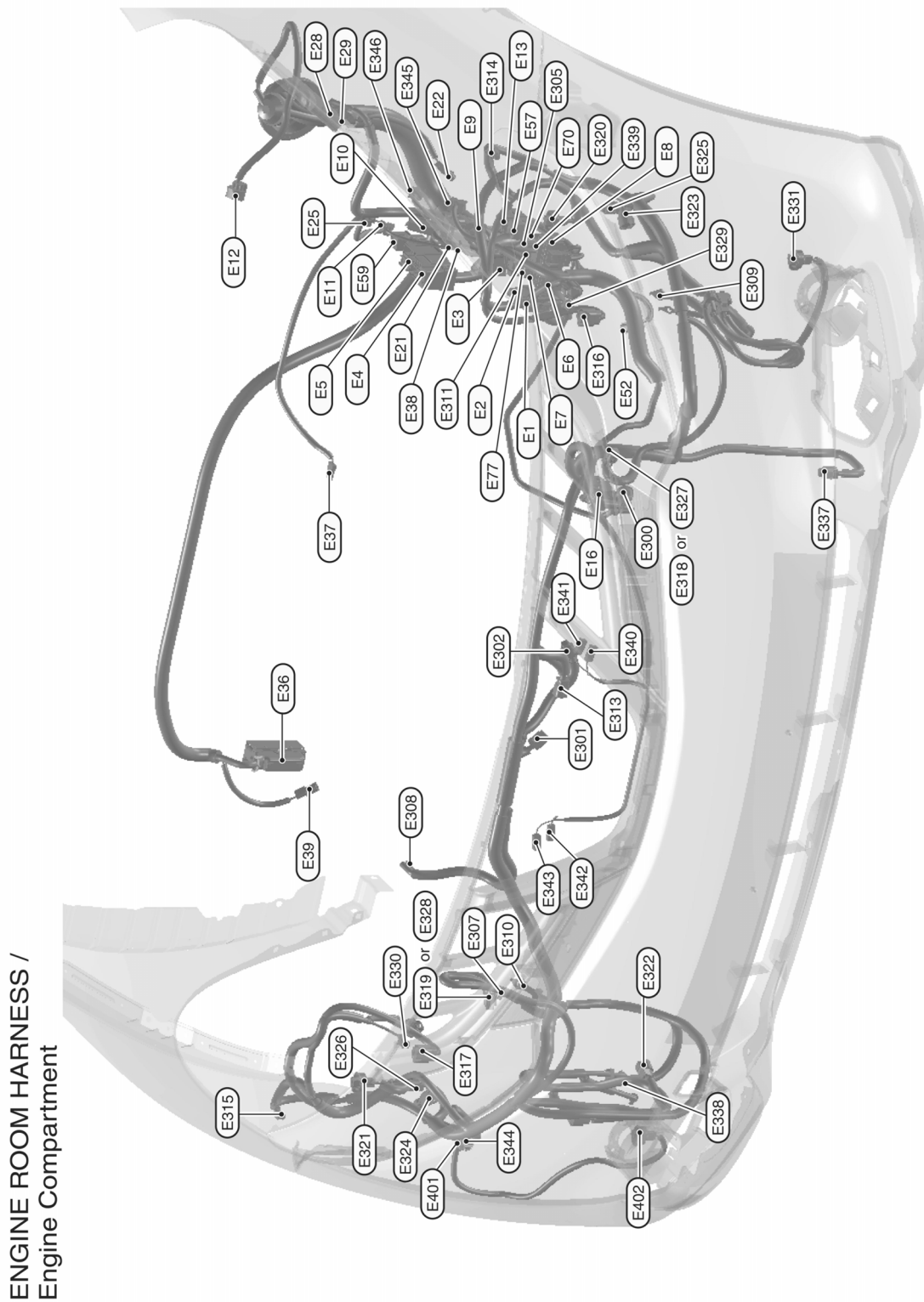
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

Engine Room Harness

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ENGINE COMPARTMENT



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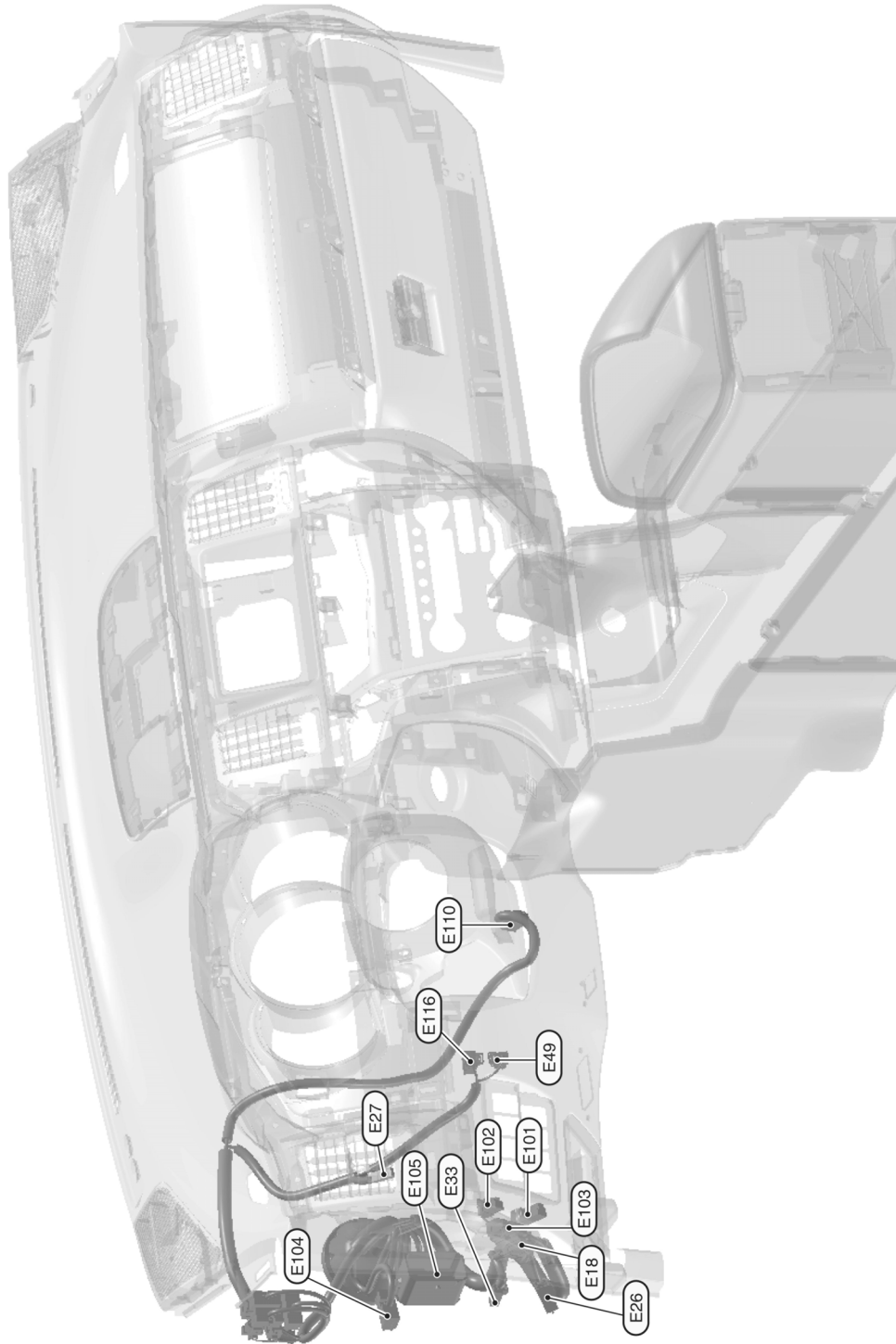
2012/08/24

HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >
PASSENGER COMPARTMENT

[POWER SUPPLY&GROUND CIRCUIT]

Passenger Compartment



2012/08/24

JRMIC2078GB

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HARNESS LAYOUT

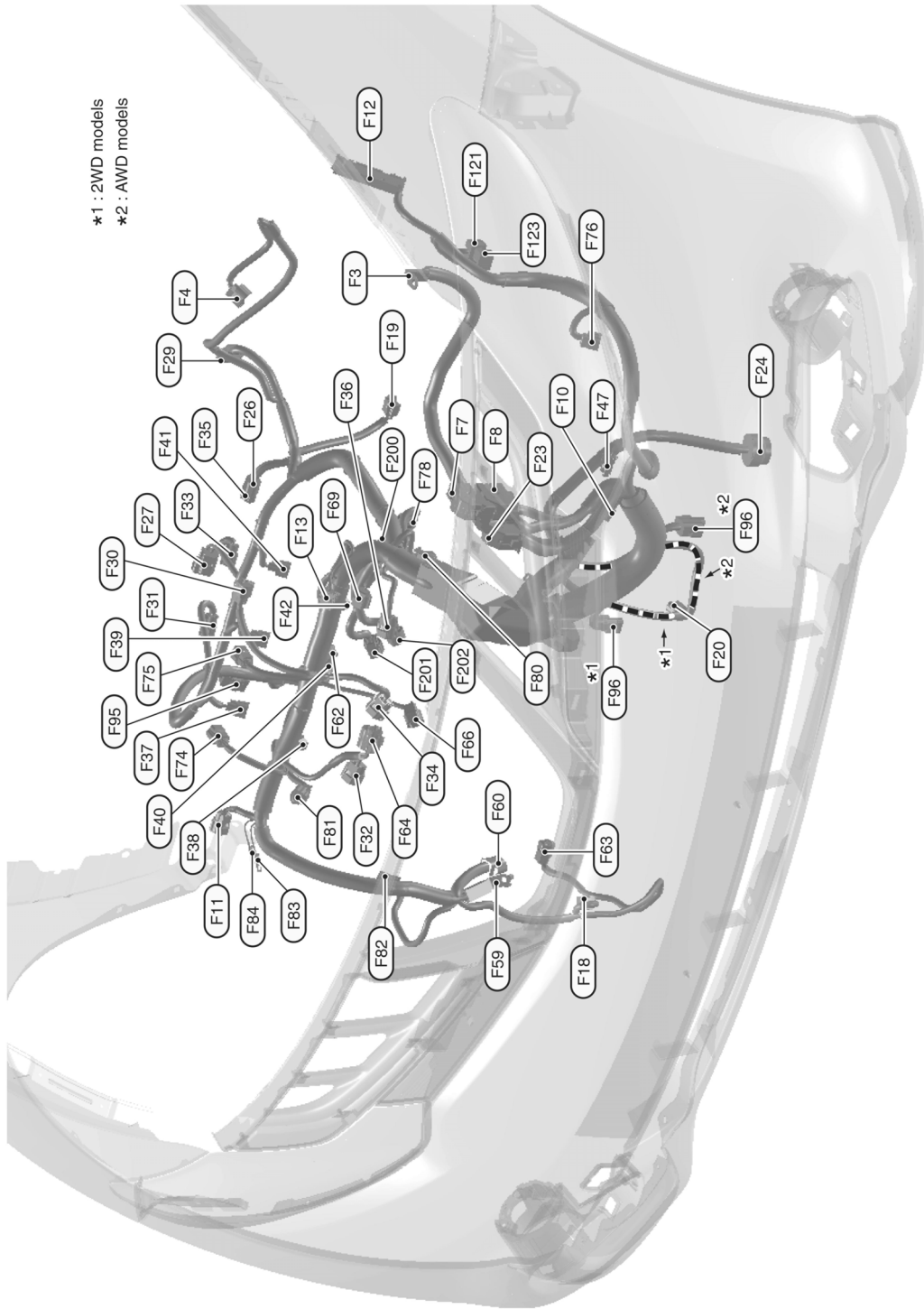
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

Engine Control Harness

INFOID:000000009720296

ENGINE CONTROL HARNESS



JRMIC2079GB

2012/08/24

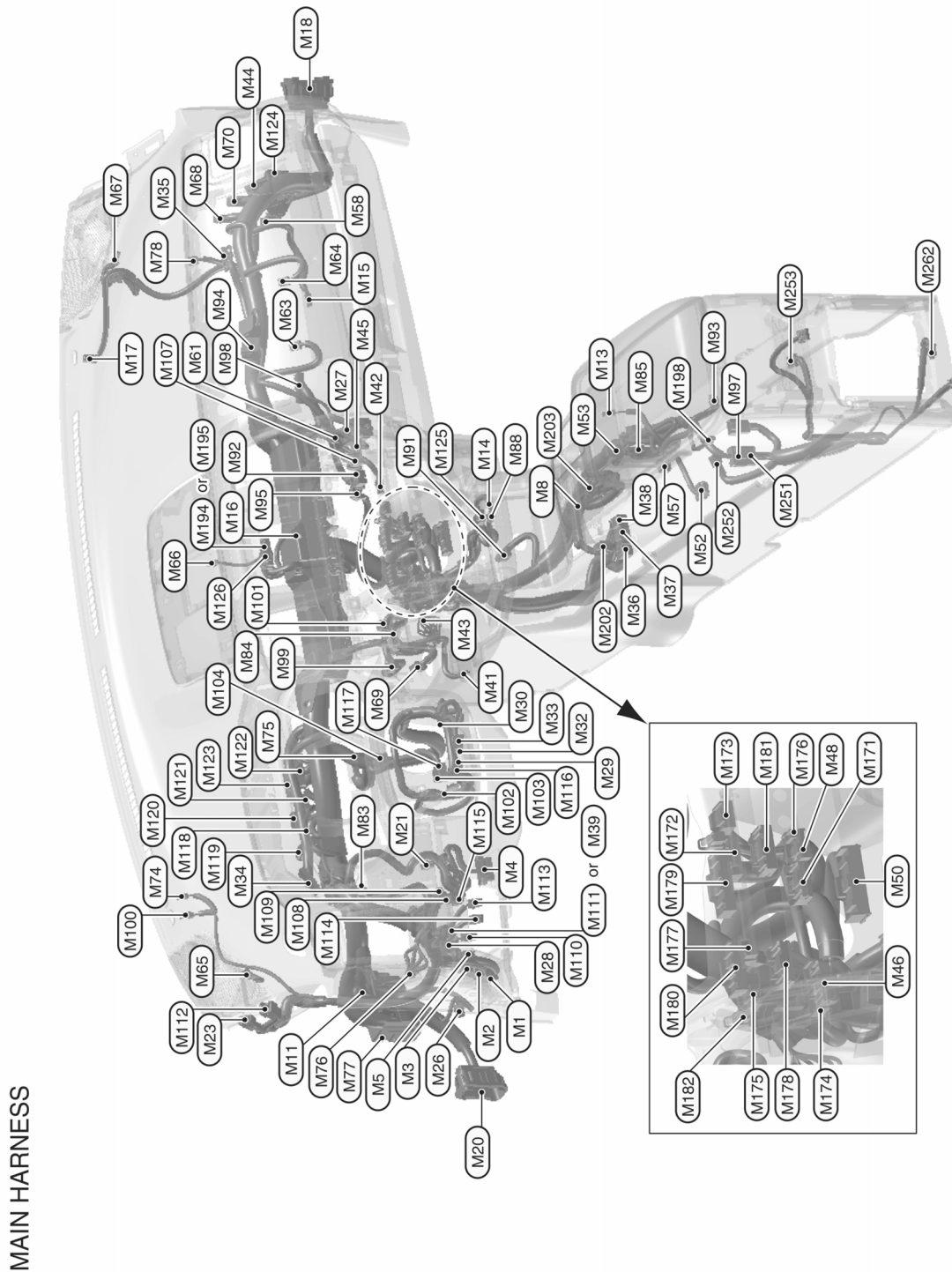
HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

Main Harness

INFOID:0000000009720297



2012/08/24

JRMIC2076GB

HARNESS LAYOUT

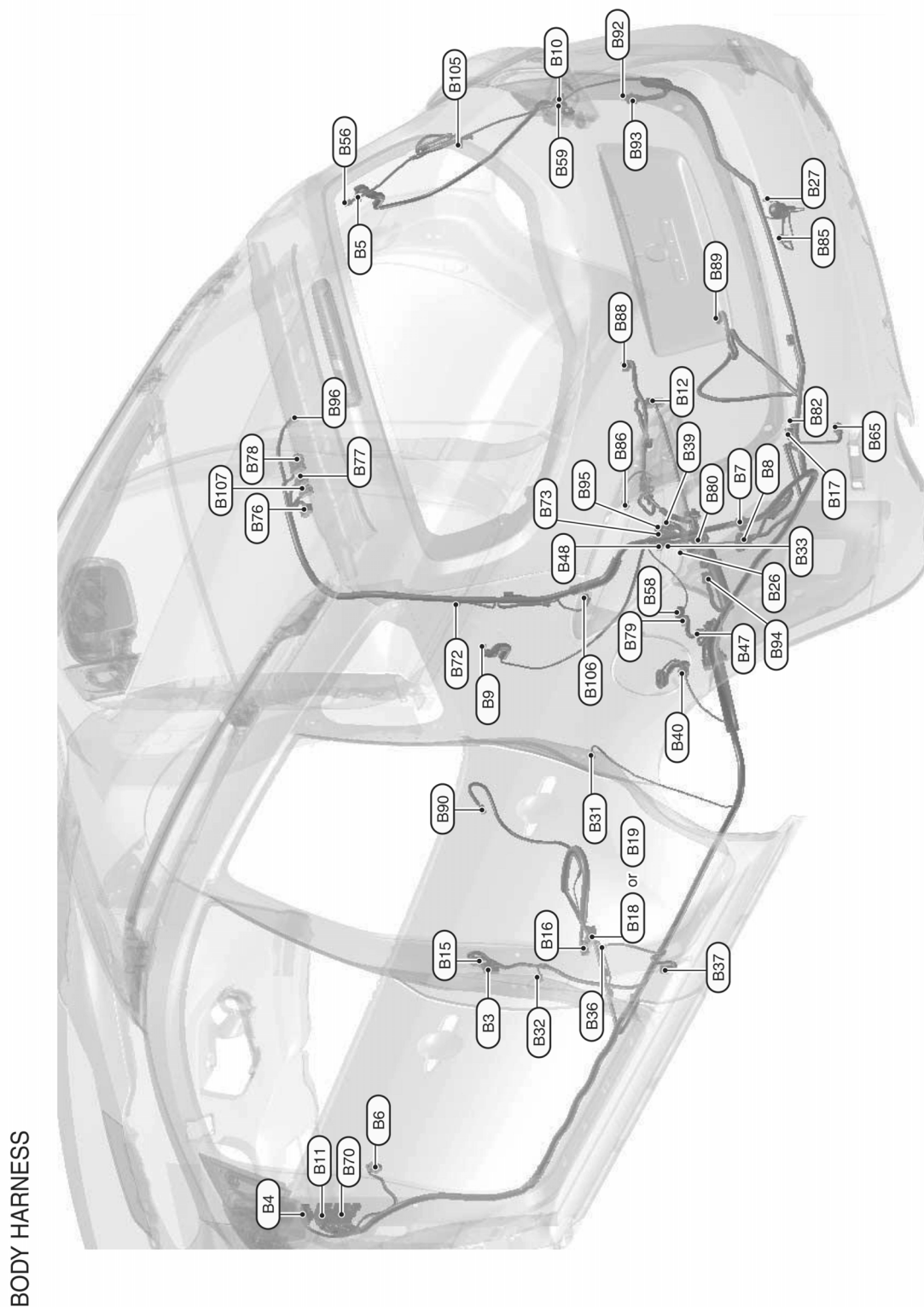
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

Body Harness

INFOID:0000000009720298

BODY HARNESS



2012/08/24

JRMIC2080GB

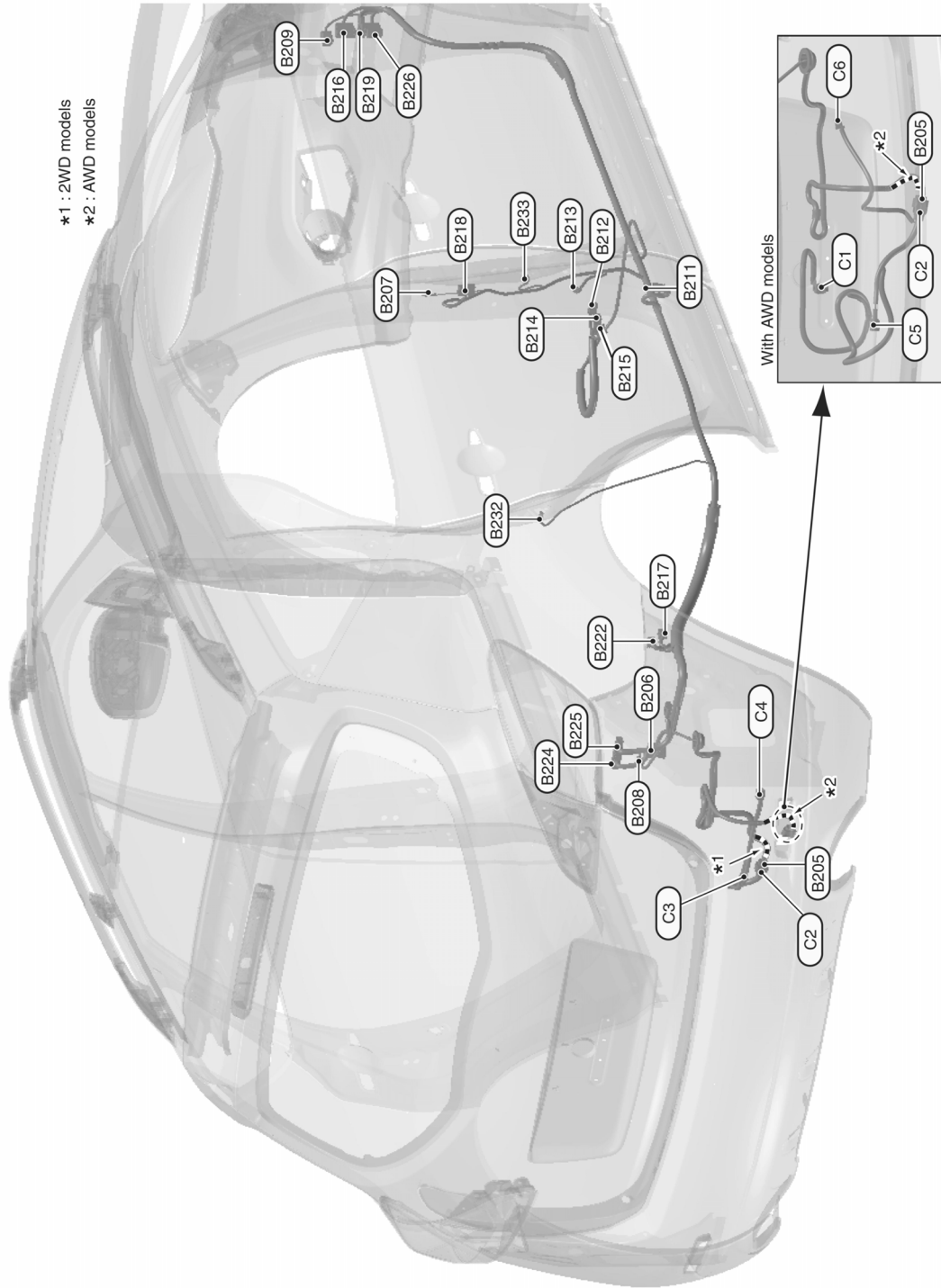
HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

BODY No.2 HARNESS

BODY No. 2 HARNESS



JRMIC2081GB

2012/08/24

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HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

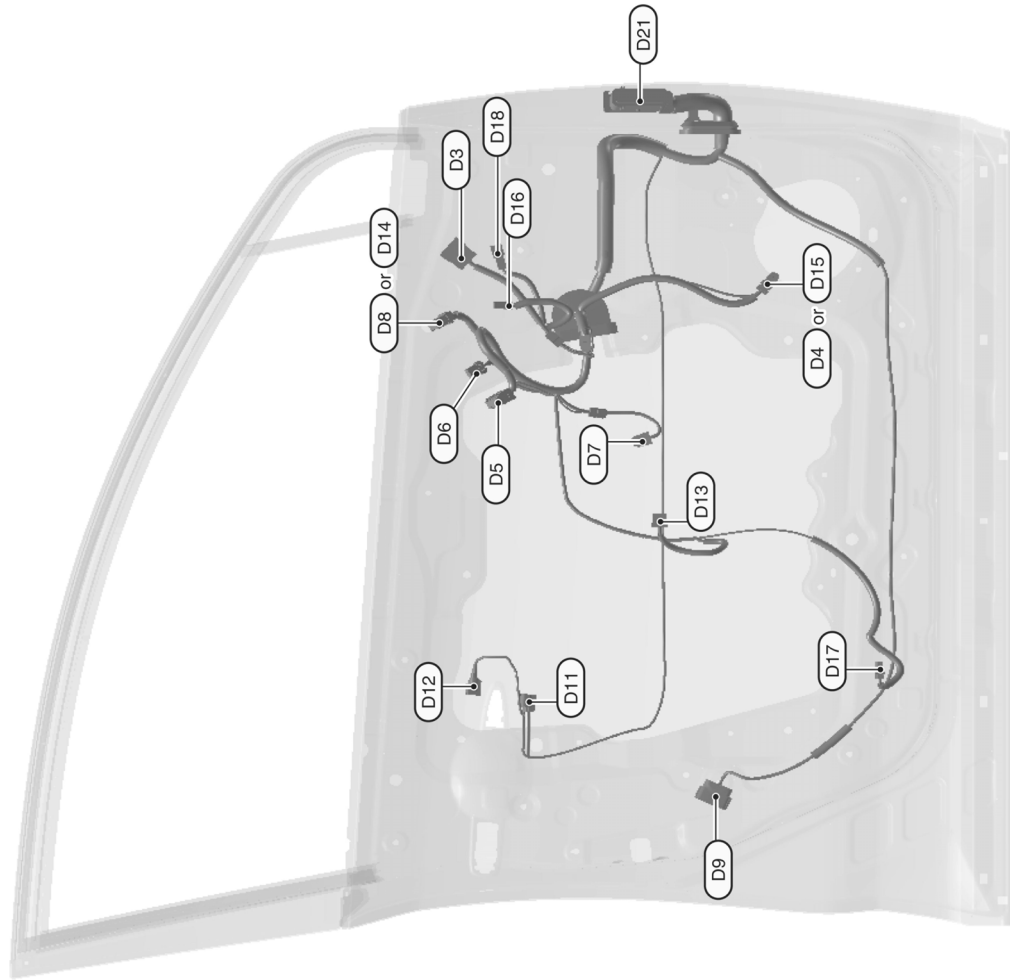
[POWER SUPPLY&GROUND CIRCUIT]

Door Harness

INFOID:000000009720299

FRONT DOOR HARNESS (LH SIDE)

FRONT DOOR HARNESS (LH SIDE)



2012/08/24

JRMIC2083GB

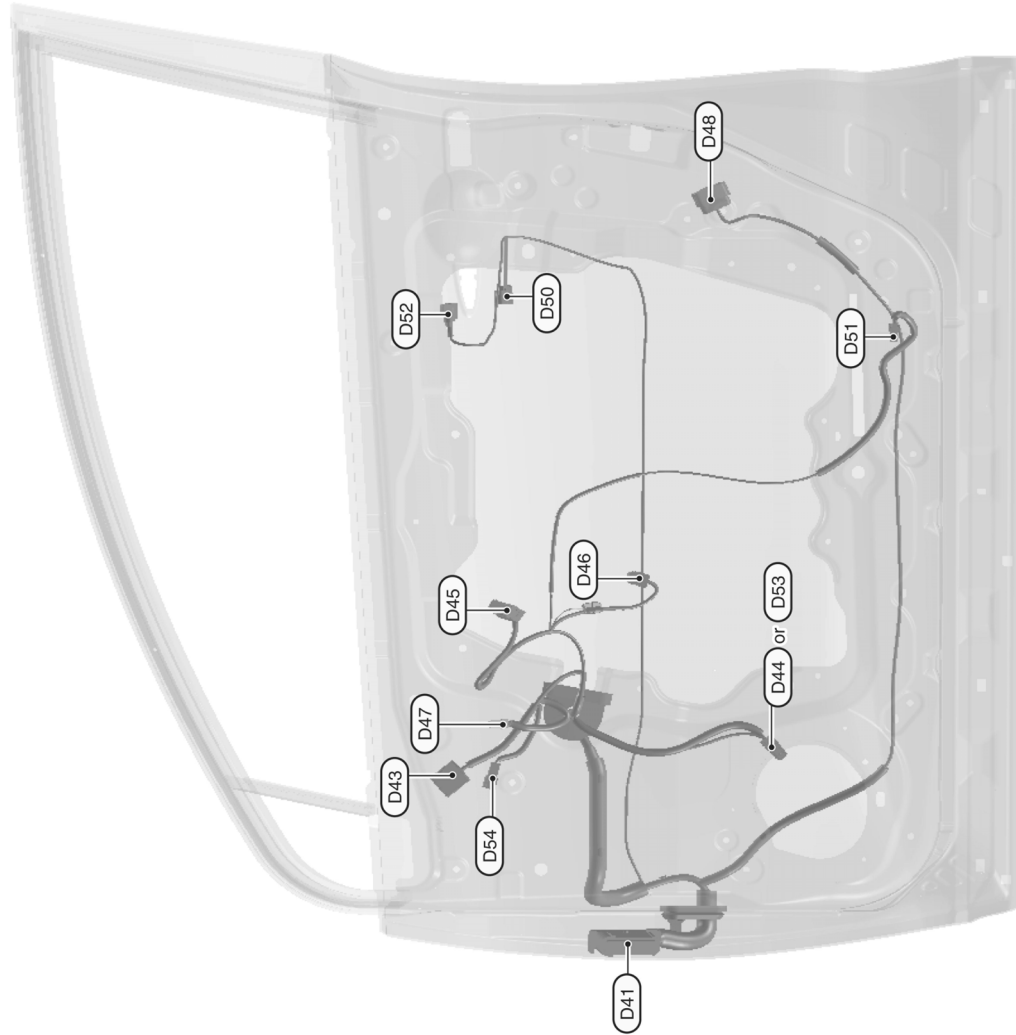
HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

FRONT DOOR HARNESS (RH SIDE)

FRONT DOOR HARNESS (RH SIDE)



2012/08/24

JRMIC2084GB

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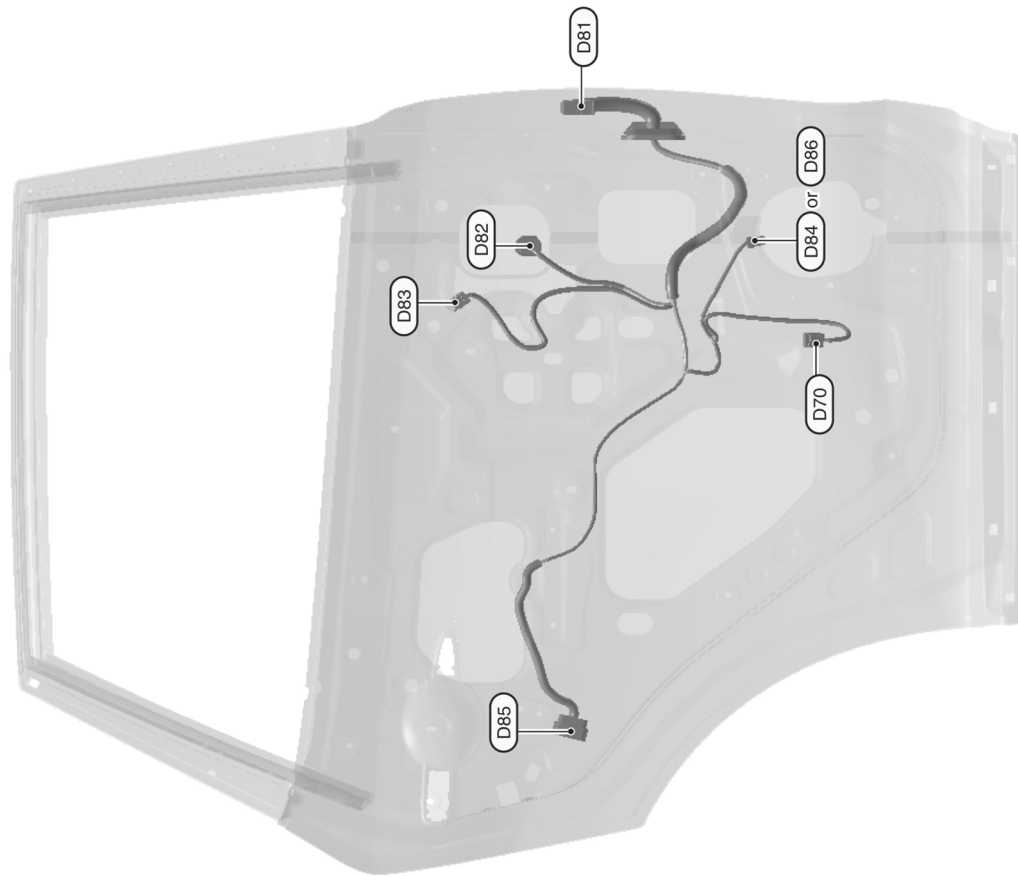
HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

REAR DOOR HARNESS (LH SIDE)

REAR DOOR HARNESS (LH SIDE)



2012/08/24

JRMIC2085GB

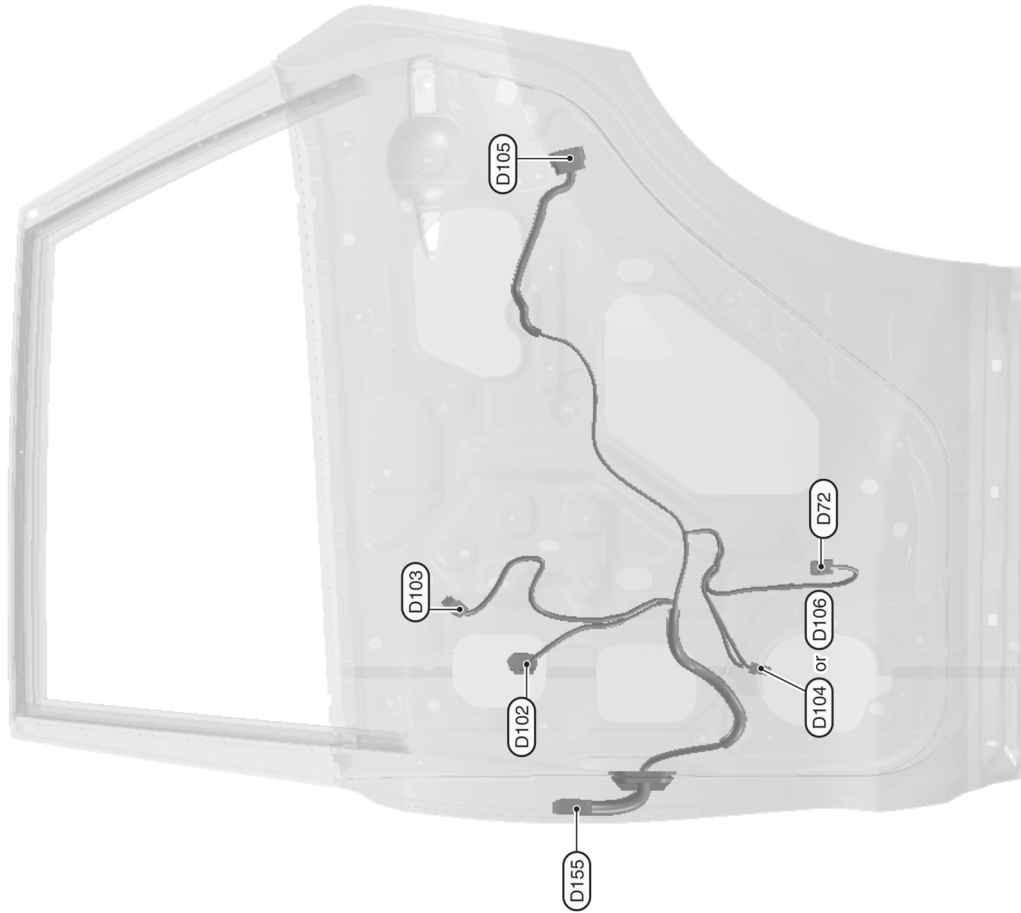
HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

REAR DOOR HARNESS (RH SIDE)

REAR DOOR HARNESS (RH SIDE)



2012/08/24

JRMIC2086GB

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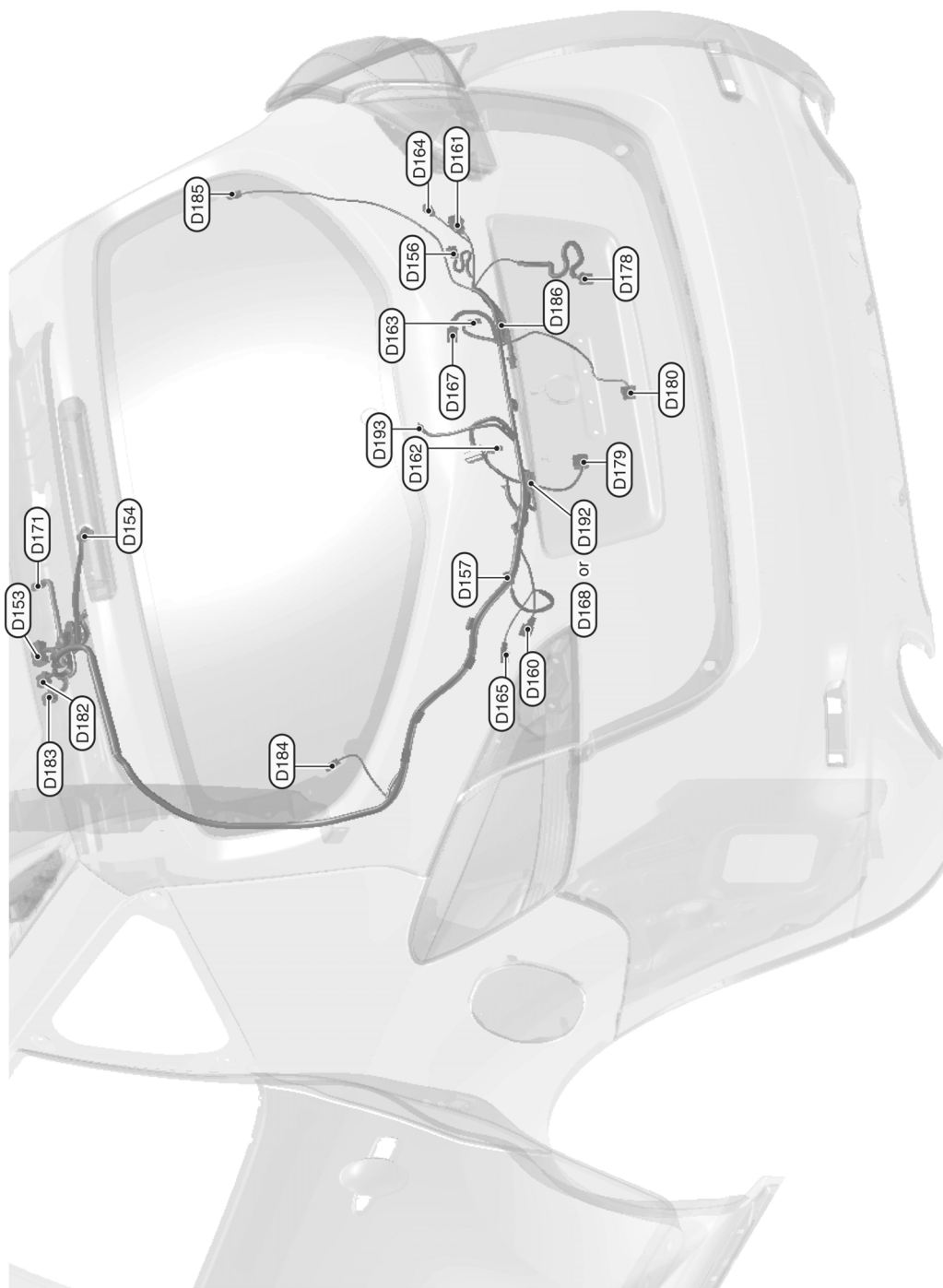
HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

BACK DOOR HARNESS

BACK DOOR HARNESS



2012/08/24

JRMIC2087GB

HARNESS LAYOUT

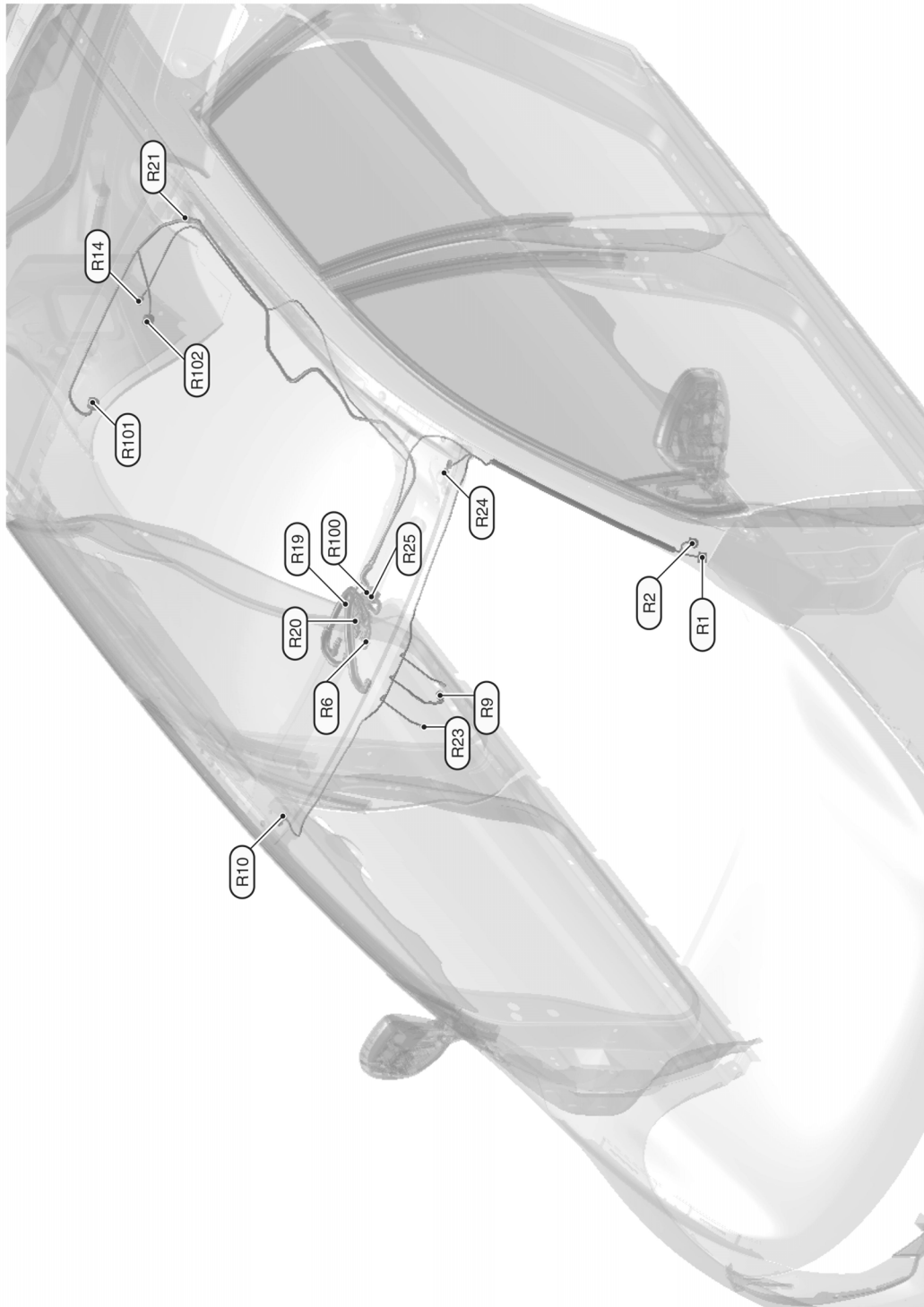
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

Room Lamp Harness

INFOID:000000009720300

ROOM LAMP HARNESS



2012/08/24

JRMIC2082GB

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HARNESS CONNECTOR

Description

INFOID:000000009720309

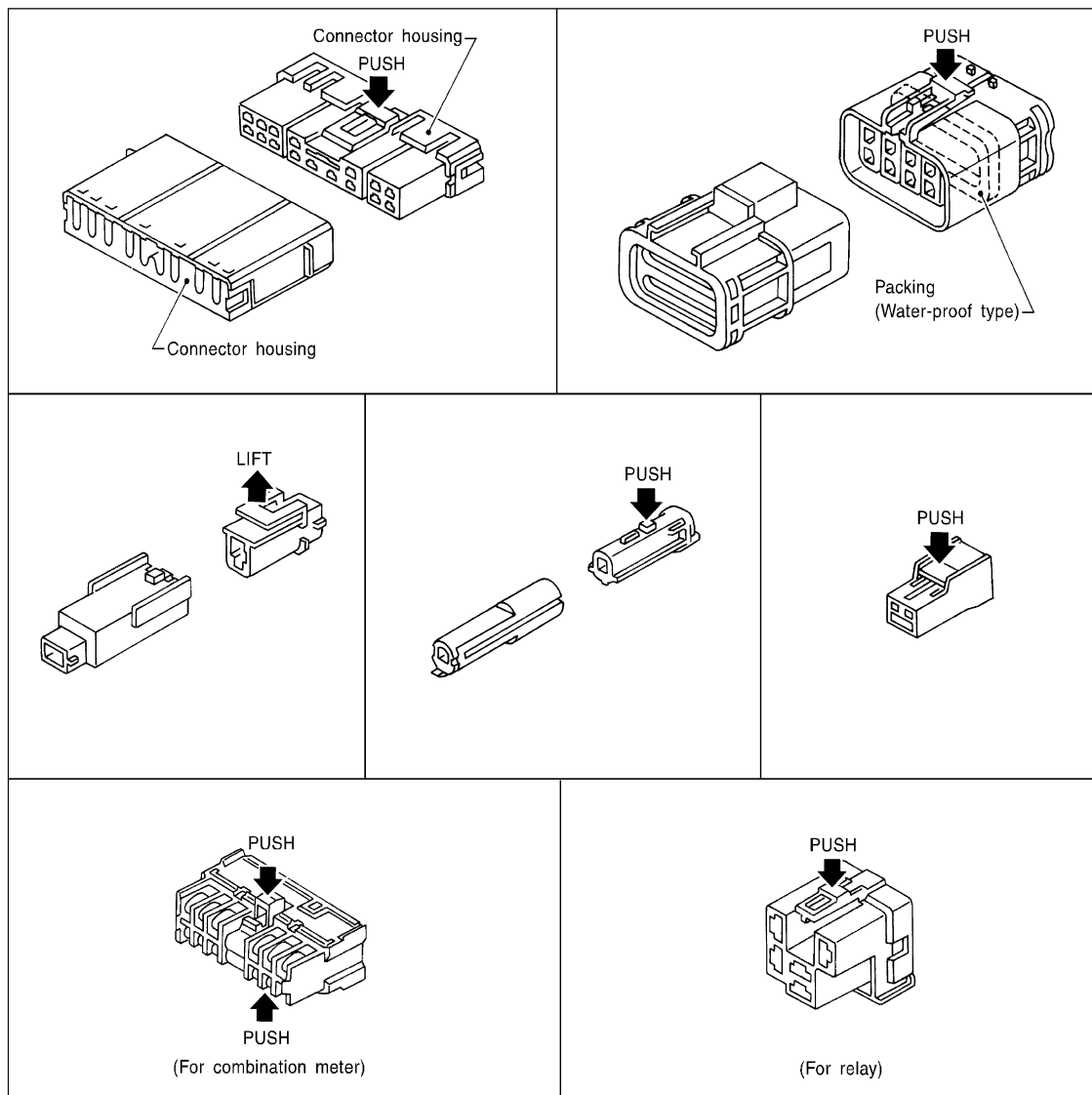
HARNESS CONNECTOR (TAB-LOCKING TYPE)

- 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

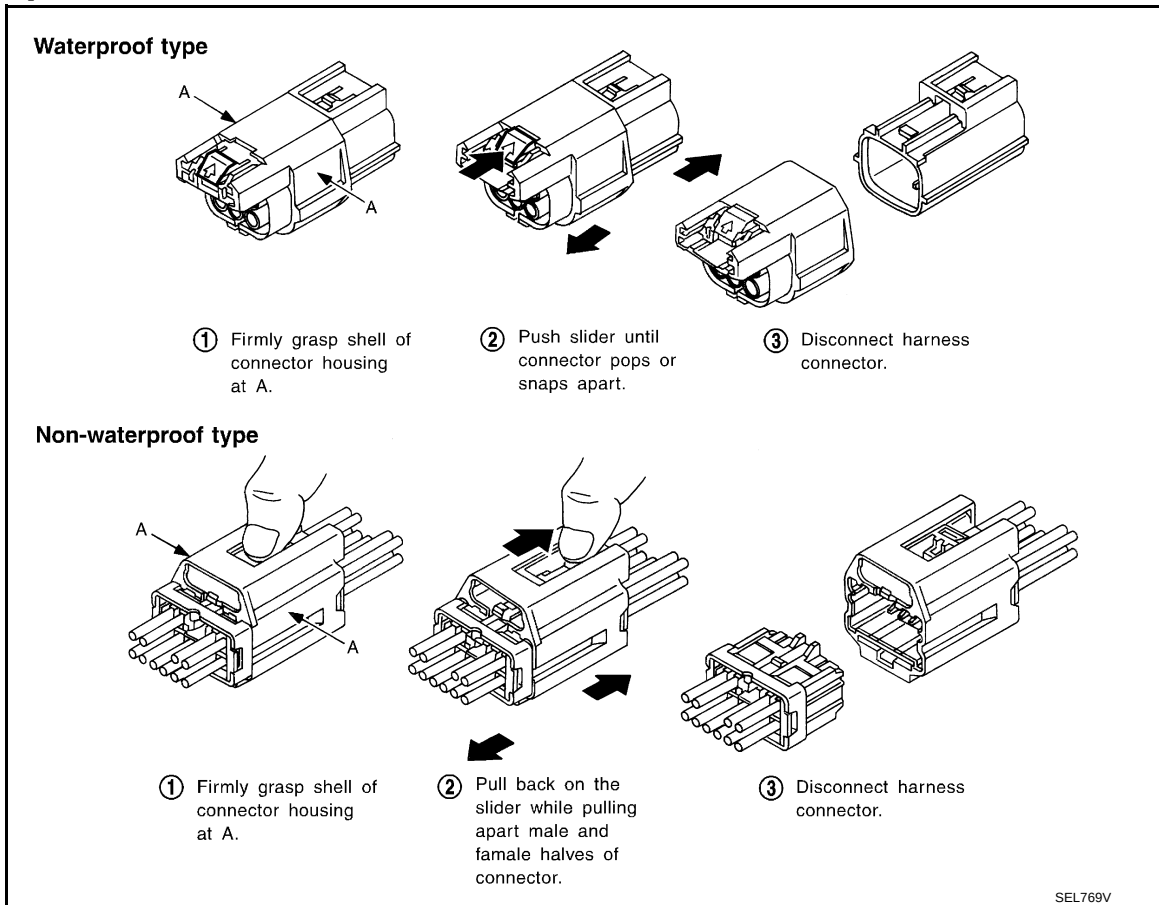
< DTC/CIRCUIT DIAGNOSIS >

[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.

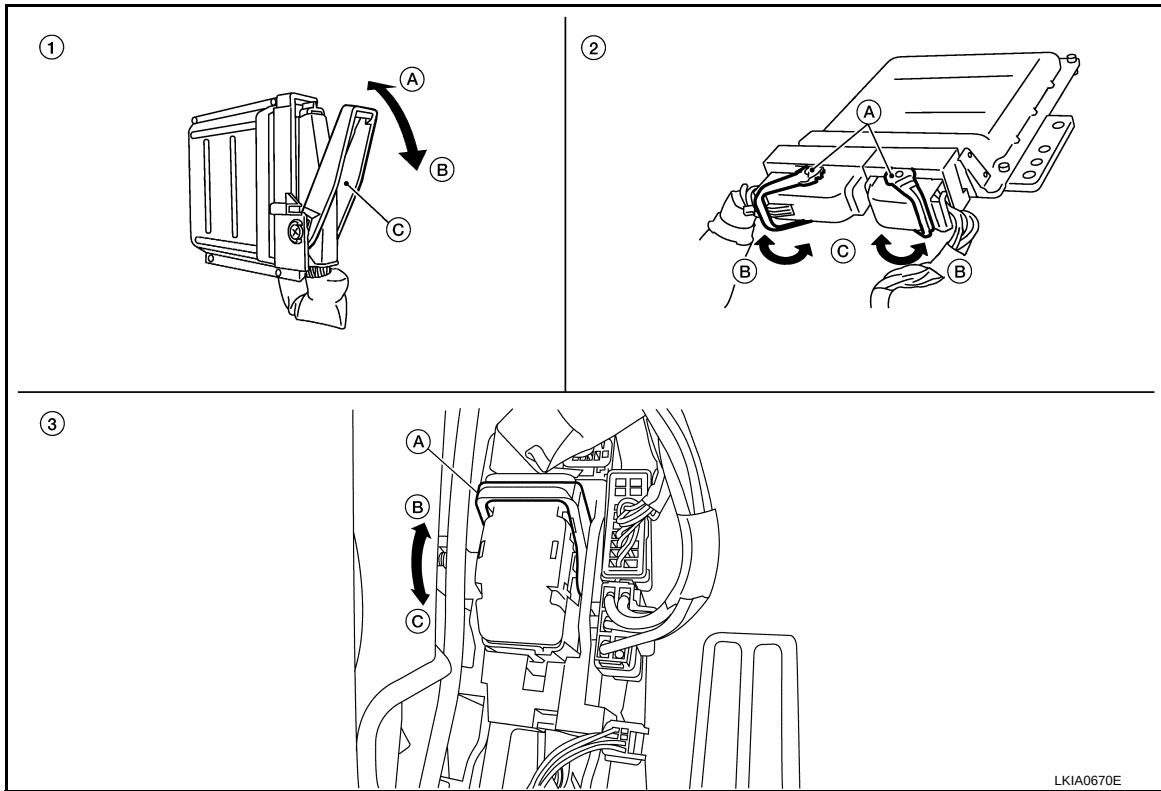
CAUTION:

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]

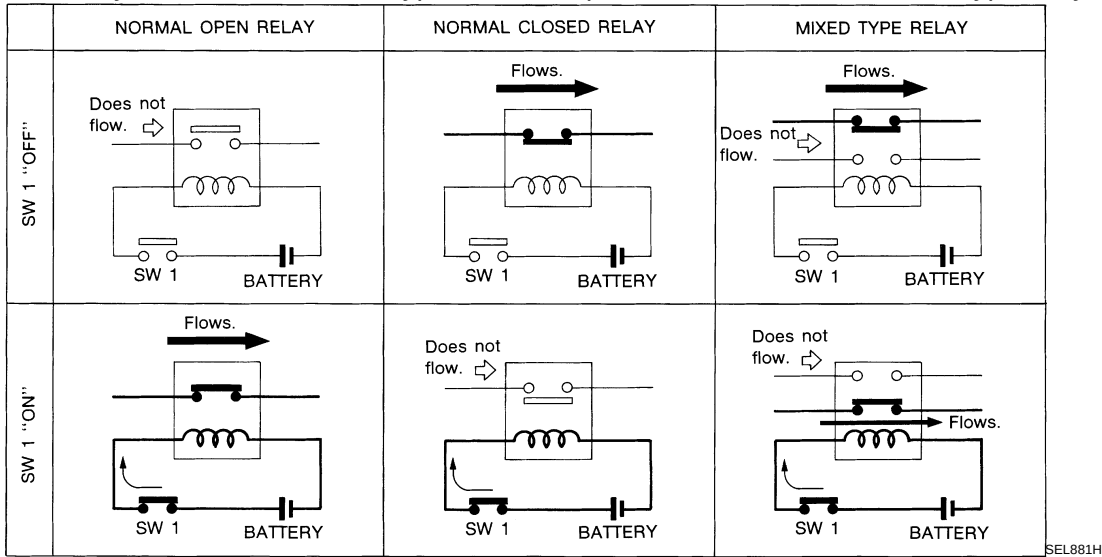
STANDARDIZED RELAY

Description

INFOID:000000009720310

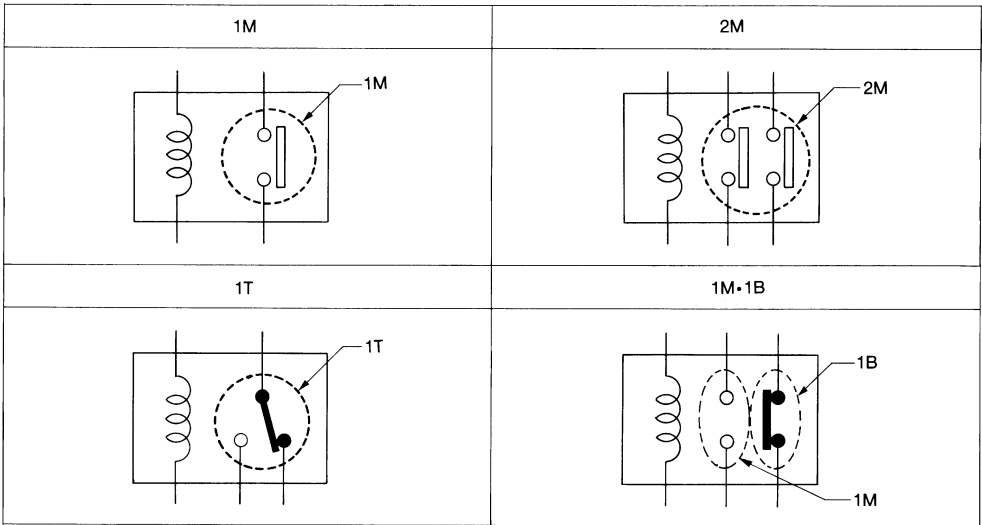
NORMAL OPEN, NORMAL CLOSED AND MIXED TYPE RELAYS

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



TYPE OF STANDARDIZED RELAYS

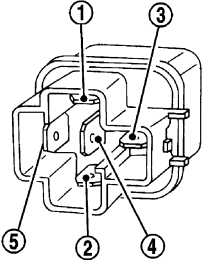
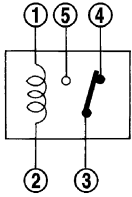
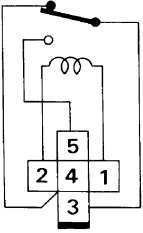
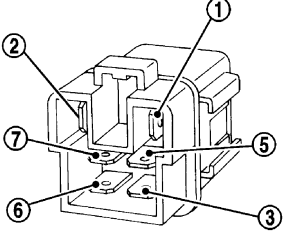
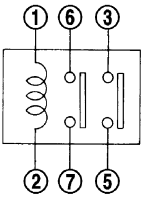
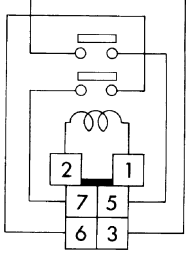
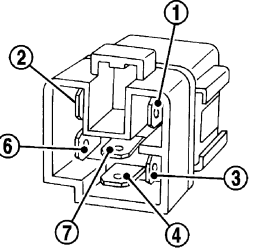
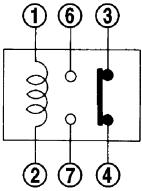
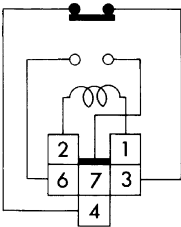
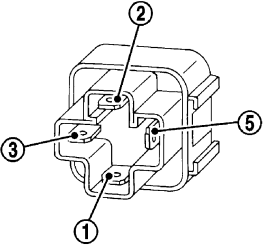
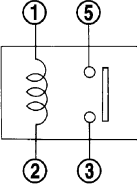
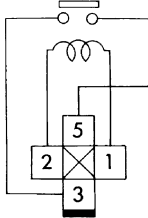
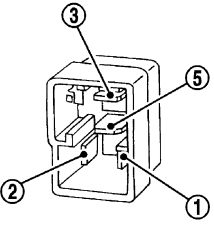
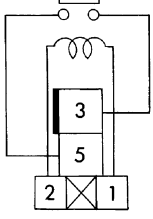
1M 1 Make
1T 1 Transfer
2M 2 Make
1M·1B 1 Make 1 Break



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)

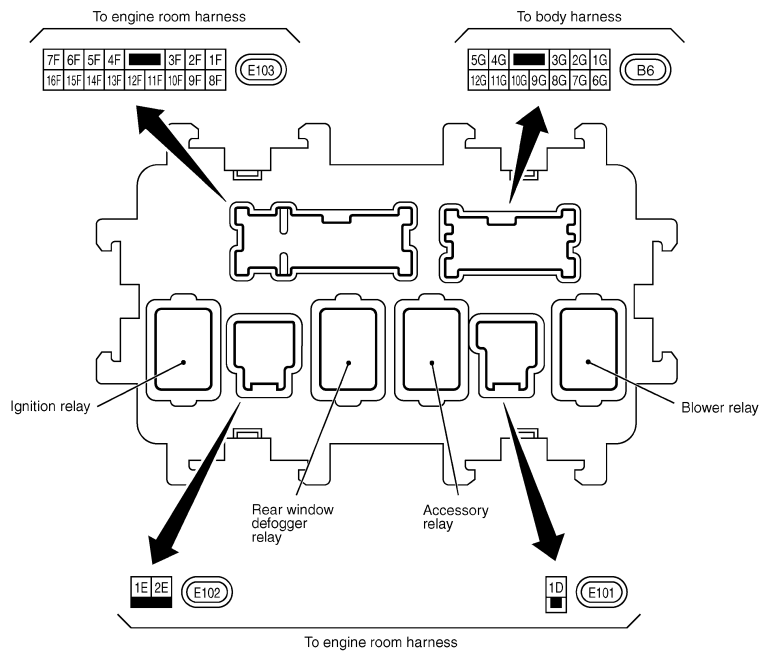
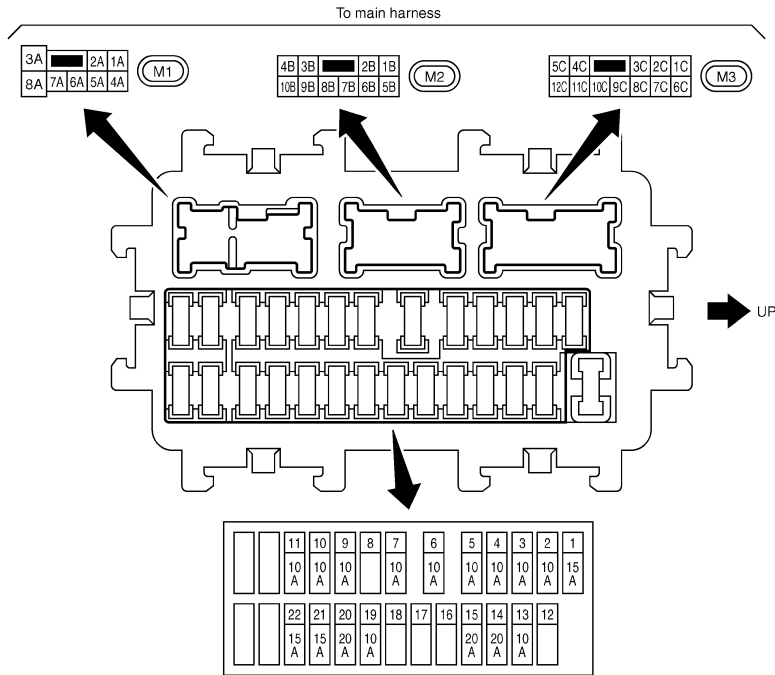
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

FUSE BLOCK - JUNCTION BOX (J/B)

Fuse, Connector and Terminal Arrangement

INFOID:000000009720311



2012/08/24

JRMWD4448GB

FUSE, FUSIBLE LINK AND RELAY BOX

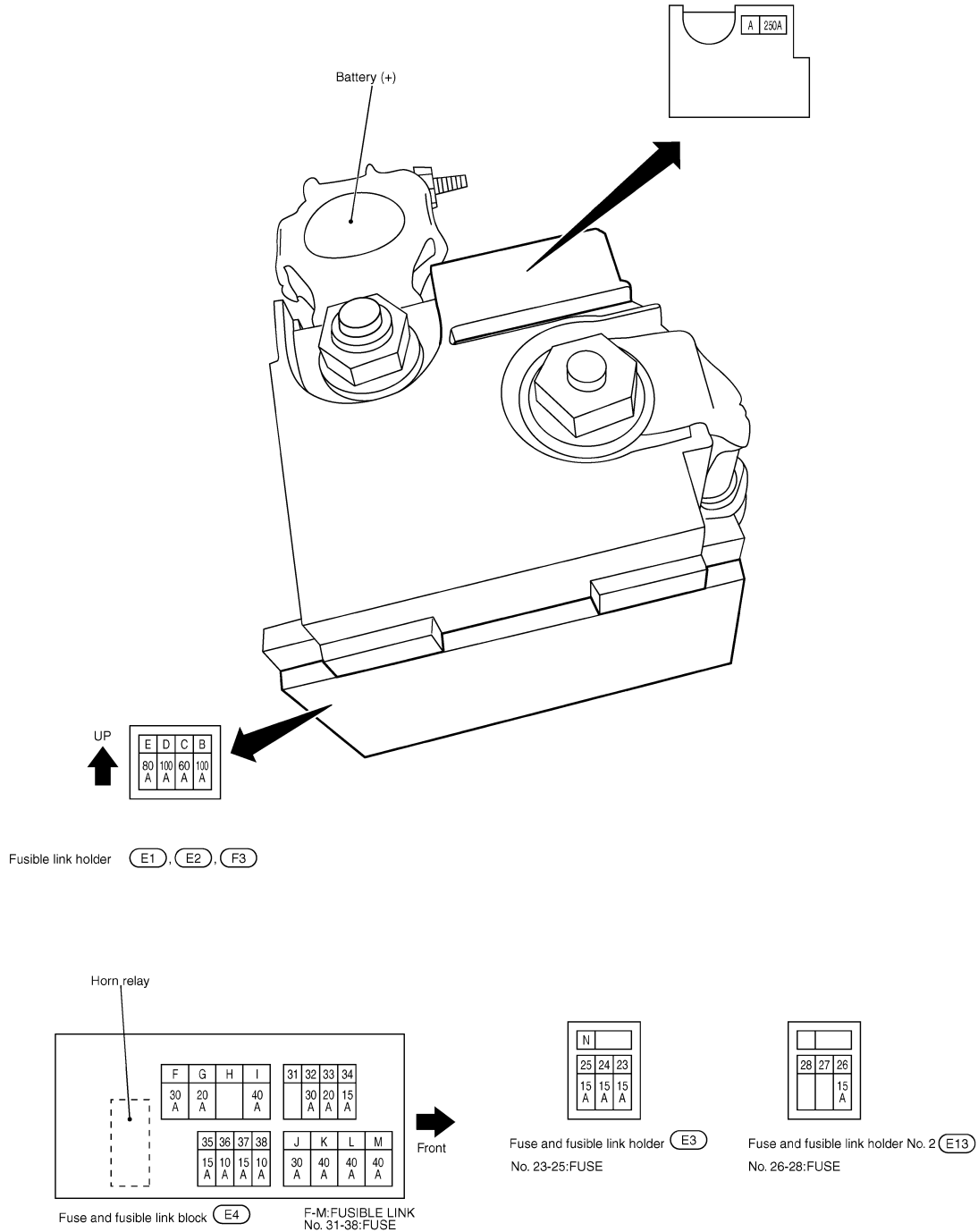
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

FUSE, FUSIBLE LINK AND RELAY BOX

Fuse and Fusible Link Arrangement

INFOID:000000009720312



2012/08/24

JRMWD4449GB

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

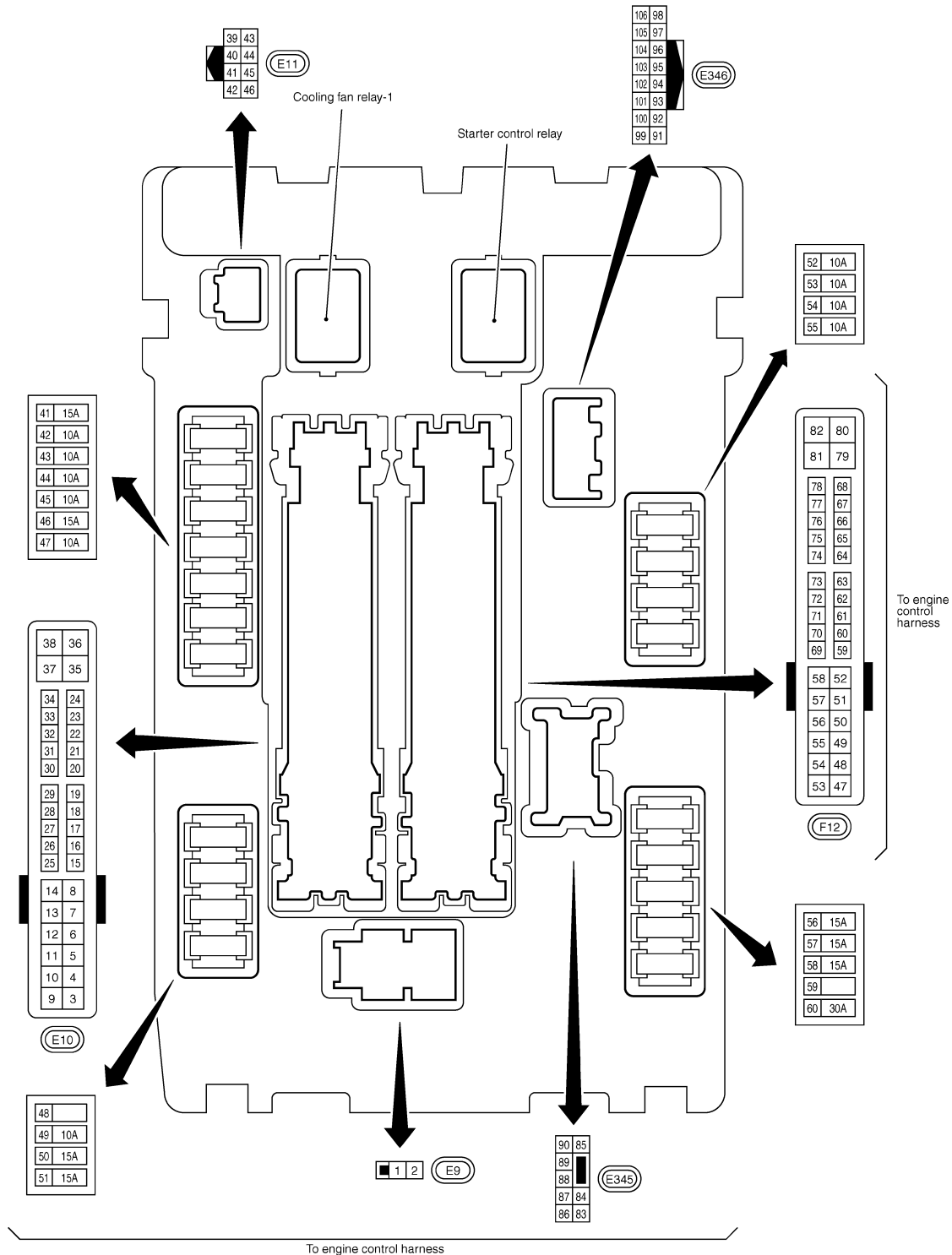
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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

Fuse, Connector and Terminal Arrangement

INFOID:000000009720313



2010/09/06

JCMWN0117GB

PRECAUTION

PRECAUTIONS

FOR USA AND CANADA

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

INFOID:000000009720314

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.

FOR USA AND CANADA : Precautions for Removing of Battery Terminal

INFOID:0000000010069897

- 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.

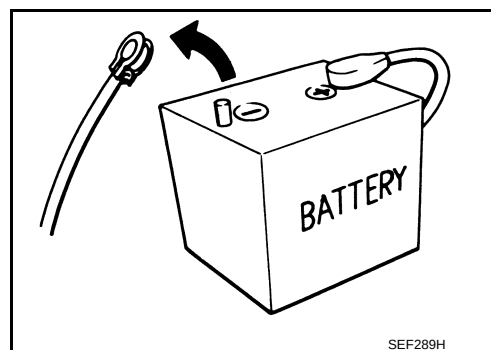
- After installing the 12V battery, always check "Self Diagnosis Result" of all ECUs and erase DTC.

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



SEF289H

PRECAUTIONS

< PRECAUTION >

[POWER SUPPLY&GROUND CIRCUIT]

"SEAT BELT PRE-TENSIONER"

INFOID:000000009720315

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 : Precautions for Removing of Battery Terminal

INFOID:0000000010069898

- 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.

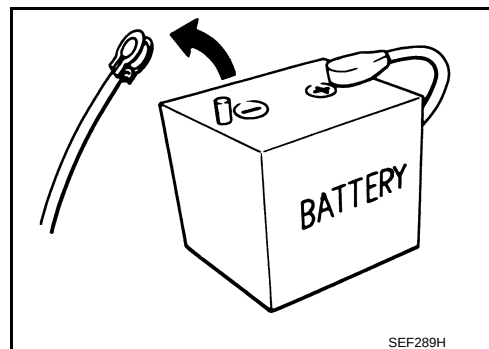
NOTE:

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.

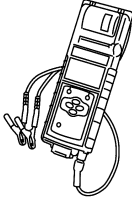


PREPARATION

PREPARATION

Special Service Tools

INFOID:000000009720316

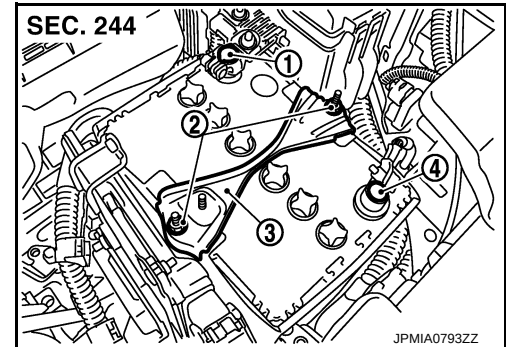
Tool number (Kent-Moore No.) Tool name		Description
— (—) Model GR8-1200 NI Multitasking battery and electrical diagnostic station	 AWI1A1239ZZ	Tests batteries, starting and charging systems and charges batteries. For operating instructions, refer to diagnostic station instruction manual.
— (—) Model EXP-800 NI Battery and electrical diagnostic analyzer	 JSMIA0806ZZ	Tests batteries and charging systems. For operating instructions, refer to diagnostic analyzer instruction manual.

REMOVAL AND INSTALLATION

BATTERY

Exploded View

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



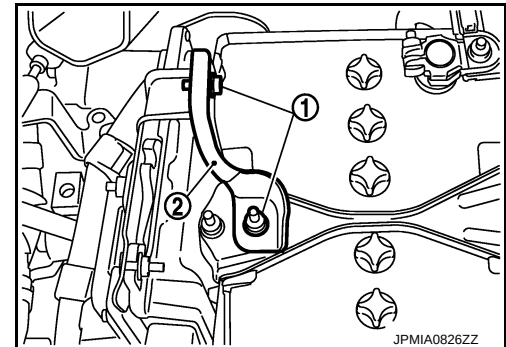
INFOID:000000009720317

Removal and Installation

INFOID:000000009720318

REMOVAL

1. Remove air duct (inlet). Refer to [EM-31, "Exploded View"](#).
2. Remove the nut and bolt (1) and remove the bracket (2) from battery fix frame.

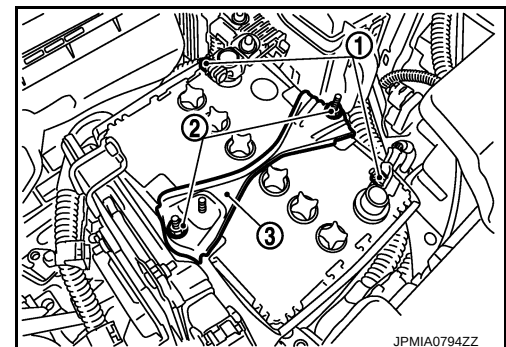


3. Remove cover of battery positive terminal.
4. Loosen battery terminal nuts (1), and disconnect both battery cables from battery terminals.

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.

Battery fix frame mounting nut

: 3.92 N·m (0.40 kg-m, 35 in-lb)

Battery terminal nut

: 5.4 N·m (0.55 kg-m, 48 in-lb)

BATTERY

< REMOVAL AND INSTALLATION >

[POWER SUPPLY&GROUND CIRCUIT]

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

BATTERY TERMINAL WITH FUSIBLE LINK

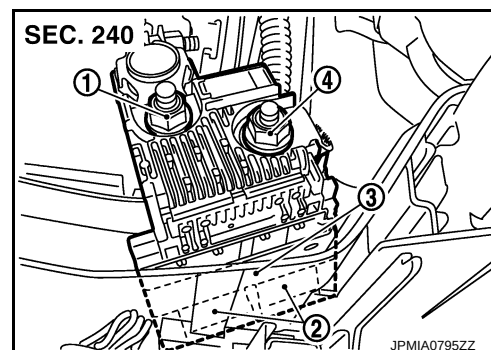
< REMOVAL AND INSTALLATION >

[POWER SUPPLY&GROUND CIRCUIT]

BATTERY TERMINAL WITH FUSIBLE LINK

Exploded View

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



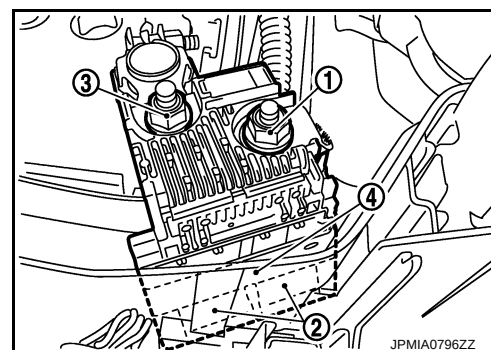
INFOID:000000009720319

Removal and Installation

INFOID:000000009720320

REMOVAL

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



INSTALLATION

Install in the reverse order of removal.

Harness mounting nut

: 13.5 N·m (1.4 kg-m, 10 ft-lb)

Fusible link holder mounting nut

: 13.5 N·m (1.4 kg-m, 10 ft-lb)

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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:000000009720321

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