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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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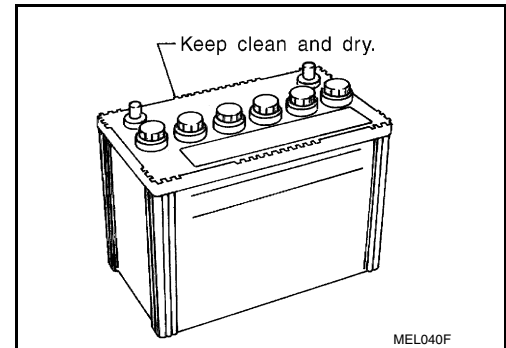
CAUTION:

- 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.

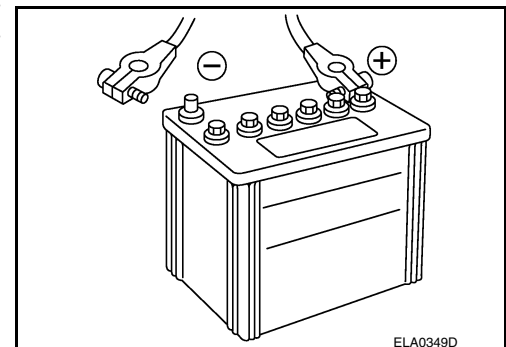
METHODS OF PREVENTING OVER-DISCHARGE

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:

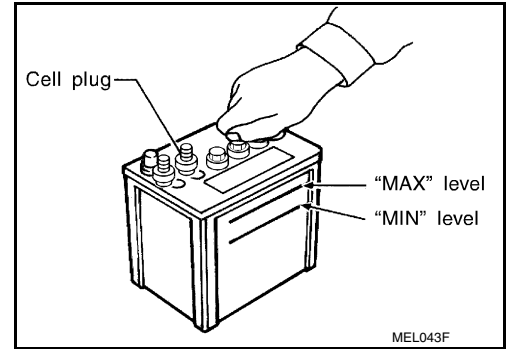
Never allow battery fluid to come in contact with skin, eyes, fabrics, or painted surfaces. After touching a battery, never touch or rub your eyes until you have thoroughly washed your hands. If acid contacts eyes, skin or clothing, immediately flush with water for 15 minutes and seek medical attention.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

BATTERY

< BASIC INSPECTION >

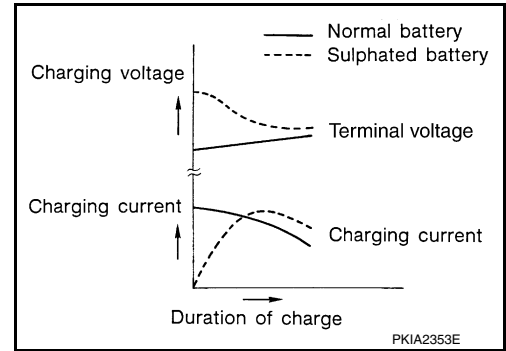
[POWER SUPPLY & GROUND CIRCUIT]

- 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.



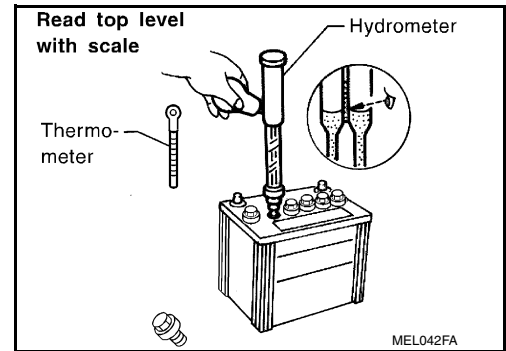
Specific Gravity Check

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 & GROUND CIRCUIT]

DTC/CIRCUIT DIAGNOSIS

Wiring Diagram - BATTERY POWER SUPPLY -

BATTERY POWER SUPPLY

BATTERY

FUSE LINK HOLDER
(E1), (E2), (E201), (E202)

FUSE AND FUSIBLE LINK BLOCK
(E12)

FUSE AND FUSIBLE LINK BLOCK
(E213), (IC)

COMPONENTS:

- STARTER MOTOR (E204)
- ALTERNATOR (E203)
- BATTERY POWER SUPPLY FUSE No. 34
- BATTERY POWER SUPPLY FUSE No. 32
- BATTERY POWER SUPPLY FUSE No. 33
- BATTERY POWER SUPPLY FUSE No. 31
- BATTERY POWER SUPPLY LINK No. K
- COOLING FAN RELAY (E17)
- IPM/IGT POWER DISTRIBUTION MODULE (ENGINE ROOM) (E5)
- BRAKE BOOSTER CONTROL UNIT (B250)
- ACCELERATOR PEDAL ACTUATOR (E113)
- AWD CONTROL UNIT (F109)
- ALTERNATOR (F36)
- HORN RELAY 1 (E11)
- ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT) (E41)

Legend:

- AWD: AWD models
- IC: With ICC

2014/03/21

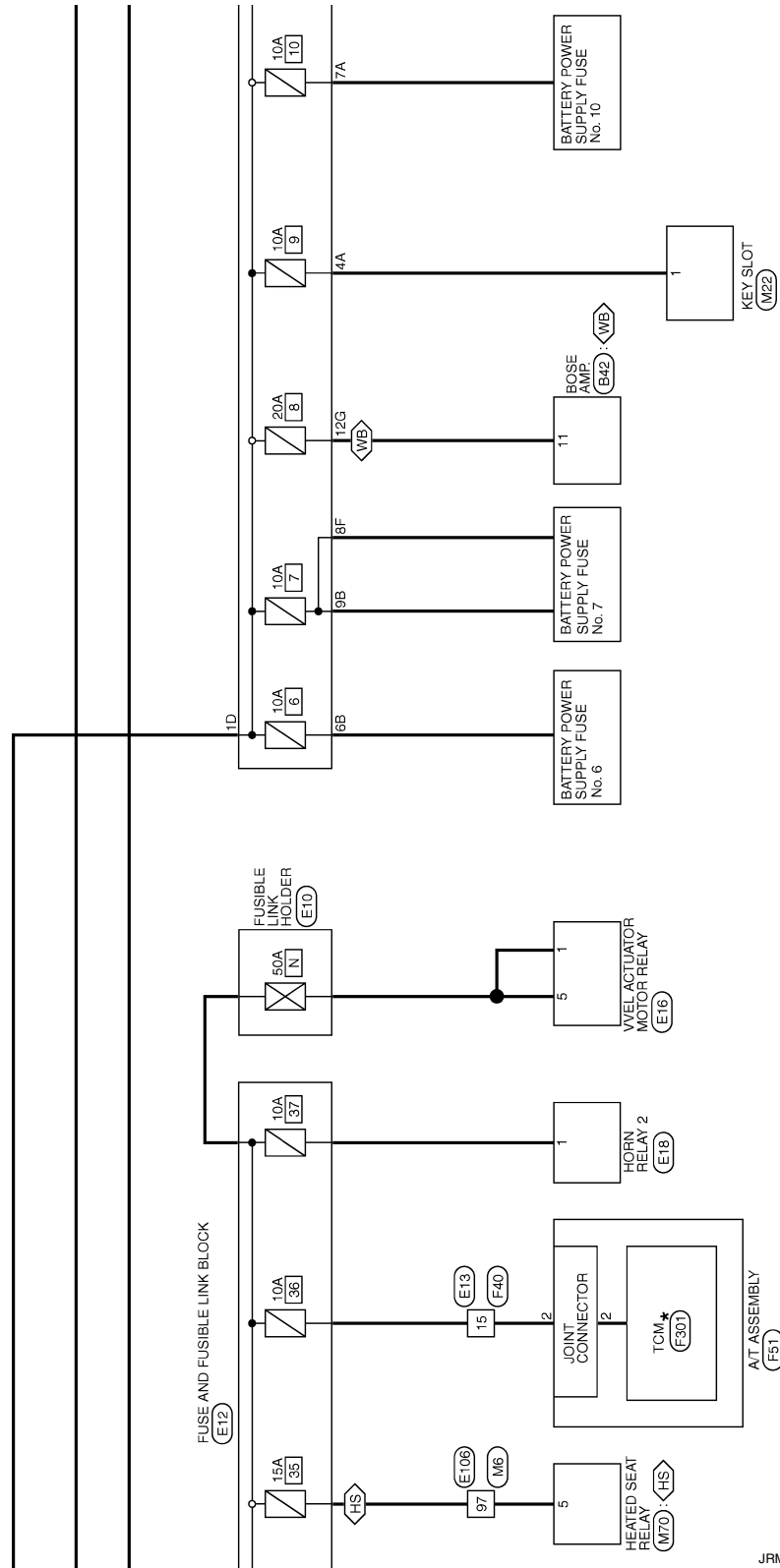
2014/03/21

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

WB : With BOSE audio
HS : With heated seat



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

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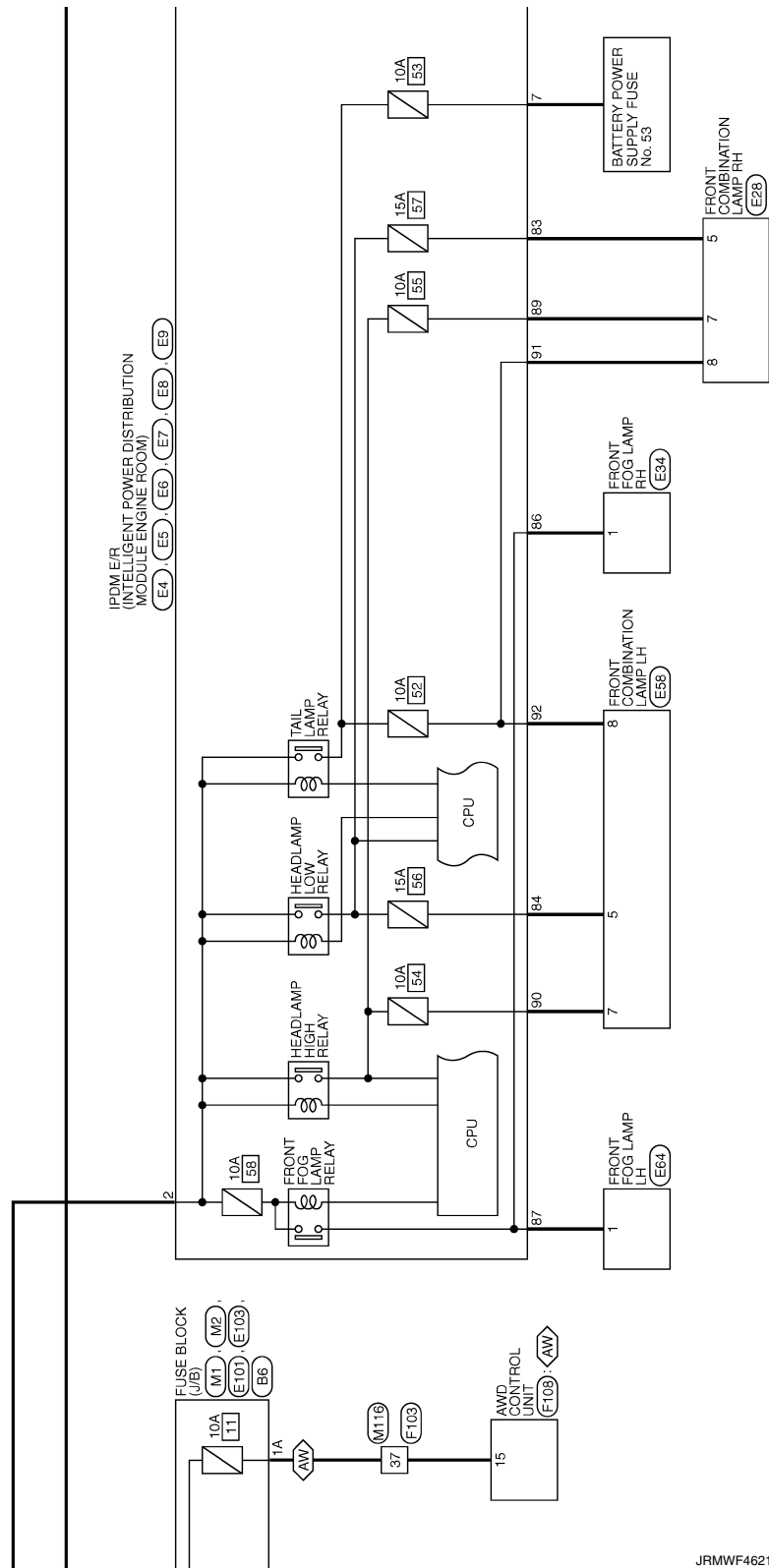
A
B
C
D
E
F
G
H
I
J
K
L
N
O
P

PG

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

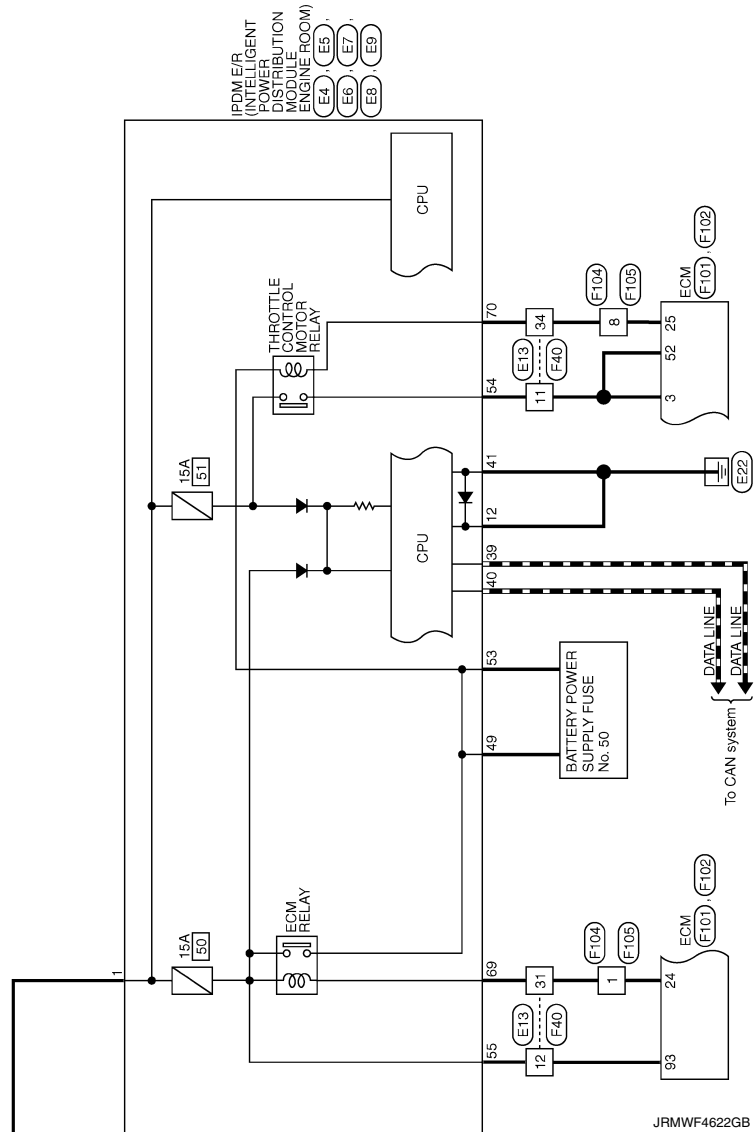


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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]



A
B
C
D
E
F
G
H
I
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P

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

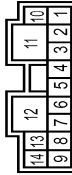
BATTERY POWER SUPPLY

Connector No.	B8
Connector Name	FUSE BLOCK (J B)
Connector Type	INS12PBR-GS



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

Connector No.	B42
Connector Name	BOSE AMP.
Connector Type	SGA12PBR-SJA2



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

Connector No.	B48
Connector Name	AROUND VIEW MONITOR CONTROL UNIT
Connector Type	TH48FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	P	GROUND
2	Y	BATTERY
3	P	IGNITION SIGNAL
4	GR	ACC
5	BG	ILLUMINATION SIGNAL
6	SB	VEHICLE SPEED SIGNAL (8-PULSE)
7	V	REVERSE SIGNAL
9	B	CONTROL SIGNAL
13	SB	AV COMM (H)
17	SB	AV COMM (H)
18	LG	AV COMM (L)
21	SB	AV COMM (H)
22	LG	AV COMM (L)
23	LG	—
24	G	—
25	W	CAMERA IMAGE SIGNAL
26	SHIELD	CAMERA IMAGE SIGNAL GND
28	Y	SIDE CAMERA RH IMAGE SIGNAL
30	G	SHIELD
31	SHIELD	SHIELD
32	B	SIDE CAMERA RH GND
33	W	SIDE CAMERA RH COMM
34	R	SIDE CAMERA RH POWER SUPPLY
35	L	REAR CAMERA COMM
36	BR	REAR CAMERA POWER SUPPLY
37	SHIELD	SHIELD
38	R	REAR CAMERA GND
39	V	REAR CAMERA IMAGE SIGNAL
40	W	REAR CAMERA IMAGE GND

Connector No.	B51
Connector Name	WOOFER
Connector Type	RSB51GY-PR



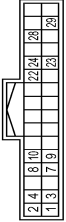
Terminal No.	Color Of Wire	Signal Name [Specification]
1	C	SOUND SIGNAL WOOFER (-)
2	G	SOUND SIGNAL WOOFER (-)
4	GR	WOOFER AMP ON SIGNAL
5	B	GROUND
6	V	BATTERY

Connector No.	B60
Connector Name	REAR COMBINATION LAMP LH
Connector Type	TH60MW-NH



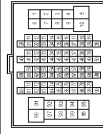
Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	—
2	LG	—
4	B	—

Connector No.	B87
Connector Name	TEL ADAPTER UNIT
Connector Type	TH87FW-NH



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

Connector No.	B201
Connector Name	WIRE TO WIRE
Connector Type	TH89FW-CS16-TM4



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	—
2	R	—
3	GR	—
4	BG	—
7	LG	—
10	W	—

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY

15	SB	-
16	SB	-
17	BR	-
18	BR	-
26	BR	-
27	L	-
28	Y	-
29	Y	-
30	GR	-
31	R	-
32	BR	-
33	G	-
51	R	-
55	G	-
56	R	-
57	W	-
58	B	-
59	SHIELD	-
60	LG	-
81	W	-
82	BR	-
83	P	-
84	L	-
85	G	-
86	P	-
67	L	-
68	SHIELD	-
69	V	-
70	Y	-
71	SB	-
72	SB	-
73	BR	-
75	V	-
80	V	-
81	SB	-
82	LG	-
83	P	-
84	R	-
85	L	-
86	EG	-
87	L	-
88	P	-
91	R	-
92	R	-
93	GR	-
95	SB	-
96	G	-
87	G	-
98	R	-
99	P	-
100	L	-

Connector No.	B228
Connector Name	REAR SEATBACK POWER RETURN CONTROL UNIT
Connector Type	Y444BFW



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

Connector No.	B227
Connector Name	REAR SEATBACK POWER RETURN CONTROL UNIT
Connector Type	SEA1BFW



Terminal No.	Color Of Wire	Signal Name [Specification]
1	V	GND (RH SENSOR)
2	G	MOTOR SENSOR (RH)
3	GR	POWER WINDOW MOTOR SENSOR
5	GR	BACKWARD
6	L	FORWARD
7	SB	BACKWARD
8	R	FORWARD
9	P	GND (LH SENSOR)
10	BR	MOTOR SENSOR (LH)

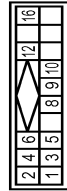
11	LG	POWER SUPPLY (LH SENSOR)
13	B	BAT (POWER)
18	W	BAT (POWER)

Connector No.	B222
Connector Name	REAR COMBINATION LAMP RH
Connector Type	TH04MM-RH



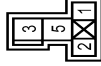
Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	LG	-
4	B	-

Connector No.	B226
Connector Name	SATELLITE RADIO TUNER
Connector Type	A16FW



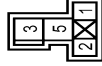
Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	SATELLITE RADIO SOUND SIGNAL LH (-)
2	R	SATELLITE RADIO SOUND SIGNAL LH (+)
3	W	SATELLITE RADIO SOUND SIGNAL RH (-)
4	B	SATELLITE RADIO SOUND SIGNAL RH (+)
5	SHIELD	SHIELD
8	SHIELD	SHIELD
9	P	REQUEST (SAT->CONT)
10	G	COMM (SAT->CONT)
12	Y	BATTERY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

Connector No.	B246
Connector Name	REAR SEATBACK RELEASE RELAY (LH)
Connector Type	MS02FL-MP-LG



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

Connector No.	B247
Connector Name	REAR SEATBACK RELEASE RELAY (RH)
Connector Type	MS02FL-MP-LG



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

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY

Connector No.	B559
Connector Name	BRAKE BOOSTER CONTROL UNIT
Connector Type	TK24EW



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
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Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	BATTERY
2	W	BATTERY
3	W	BATTERY
4	W	BATTERY
5	P	ITS COMM-L
6	SB	RELEASE SW PWR
7	R	BRAKE PRESSURE SEN PWR
8	G	BOOSTER SOL PWR
9	R	BOOSTER SOL GND
10	G	ITS COMM-H
11	L	RELEASE SW (NO)
12	L	BRAKE PRESSURE SEN SIGNAL
13	L	GROUND
14	B	CHIME SIGNAL
15	B	RELEASE SW (NO)
16	P	BRAKE PRESSURE SEN GND
17	PG	

Connector No.	B553
Connector Name	EVAP CANISTER VENT CONTROL VALVE
Connector Type	E02FB-HS



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

Connector No.	B452
Connector Name	DRIVER SEAT CONTROL UNIT
Connector Type	NS18FW-CS



36	35	34	33
43	42	41	40
39	38	37	36

Terminal No.	Color Of Wire	Signal Name [Specification]
33	-	BAT (PTG)
34	-	SLIDE MOTOR (BACKWARD)
35	-	RECLINER MOTOR (FORWARD)
36	-	FRONT LIFTER MOTOR (DOWNWARD)
37	-	SLIDE MOTOR (FORWARD)
38	-	RECLINER MOTOR (BACKWARD)
39	-	FRONT LIFTER MOTOR (UPWARD)
40	-	REAR LIFTER MOTOR (UPWARD)
41	-	REAR LIFTER MOTOR (DOWNWARD)
42	-	GND
43	-	

Connector No.	B457
Connector Name	LUMBAR SUPPORT SWITCH
Connector Type	NS34FW-CS



58	57	43	33
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Terminal No.	Color Of Wire	Signal Name [Specification]
33	R	
43	B	
57	L	

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



12	11	10	7	6	5	3	2
24	23	22	21	19	18	17	14

Terminal No.	Color Of Wire	Signal Name [Specification]
2	B	SIDE CAMERA LH COMM
3	B	SIDE CAMERA LH IMAGE SIGNAL
4	Y	SIDE CAMERA LH POWER SUPPLY
5	R	
6	W	
7	G	
8	G	
9	P	
10	O	
11	O	
12	O	
13	G	
14	G	
15	W	
16	W	
17	GR	
18	GR	
19	GR	
20	GR	
21	GR	
22	GR	
23	Y	
24	Y	

Connector No.	D5
Connector Name	SEAT MEMORY SWITCH
Connector Type	A08FW



3	5	6	7	2	1	4
---	---	---	---	---	---	---

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

5	R
6	O
7	P

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



1	8	9	10	12	13	14	15	16	7
---	---	---	----	----	----	----	----	----	---

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

Connector No.	D17
Connector Name	DOOR MIRROR REMOTE CONTROL SWITCH
Connector Type	TK18FER



8	9	10	11	12	13	15	7
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Terminal No.	Color Of Wire	Signal Name [Specification]
4	BR	
7	B	
8	B	
9	R	
10	GR	

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY

Terminal No.	11	12	13	15
Color	LG	G	W	Y
Wire	-	-	-	-
Signal Name [Specification]	-	-	-	-

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



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

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



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

Connector No.	E1
Connector Name	FUSEBLE LINK HOLDER
Connector Type	LOGFBR-MC



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

Connector No.	E2
Connector Name	FUSEBLE LINK HOLDER
Connector Type	LOGFSY-MC



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

Connector No.	E4
Connector Name	POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	LOGFB-MC



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

Connector No.	E5
Connector Name	POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	TH20FW-CS12-M4-1V



Terminal No.	4	5	7	12	13	16	19	25	26	27	28	38
Color	V	L	R	B/W	Y	LG	W	G	R	EG	L	G
Wire	-	-	-	-	-	-	-	-	-	-	-	-
Signal Name [Specification]	-	-	-	-	-	-	-	-	-	-	-	-

Connector No.	E6
Connector Name	POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	TH20FW-MH



Terminal No.	39	40	41	43	44	45	46
Color	P	L	B/W	SB	BR	G	R
Wire	-	-	-	-	-	-	-
Signal Name [Specification]	-	-	-	-	-	-	-

Connector No.	E7
Connector Name	POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	TH20FW-CS12-M4



Terminal No.	48	49	51	53	54	55	57	58	69	70	74	75
Color	L	EG	Y	W	P	SB	LG	V	BR	EG	P	SB
Wire	-	-	-	-	-	-	-	-	-	-	-	-
Signal Name [Specification]	-	-	-	-	-	-	-	-	-	-	-	-

POWER SUPPLY ROUTING CIRCUIT

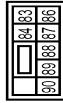
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY

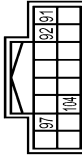
Terminal No.	Wire	Signal Name [Specification]
76	Y	-
77	B	-
80	W	-

Connector No.	Color Of Wire	Signal Name [Specification]
E8	-	-
Connector Name	POWER IN INTELLIGENT POWER DISTRIBUTION MODULE ENGINE (ROOM)	
Connector Type	INS08PW-CS	



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

Connector No.	Color Of Wire	Signal Name [Specification]
E9	-	-
Connector Name	POWER IN INTELLIGENT POWER DISTRIBUTION MODULE ENGINE (ROOM)	
Connector Type	TH18PW-NH	



Terminal No.	Wire	Signal Name [Specification]
90	BG	-
92	BG	-
97	V	-
104	LG	-

Connector No.	Color Of Wire	Signal Name [Specification]
E10	-	-
Connector Name	FUSEBLE LINK HOLDER	
Connector Type	24380-JL00A	



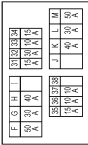
Terminal No.	Wire	Signal Name [Specification]
R	Y	-

Connector No.	Color Of Wire	Signal Name [Specification]
E11	-	-
Connector Name	HORN RELAY 1	
Connector Type	24381-7990A	



Terminal No.	Wire	Signal Name [Specification]
1	BR	-
2	LG	-
3	B	-

Connector No.	Color Of Wire	Signal Name [Specification]
E12	-	-
Connector Name	FUSE AND FUSEBLE LINK BLOCK	
Connector Type	24381-7990A	



Terminal No.	Wire	Signal Name [Specification]
31	LG	-
32	P	-
33	BG	-
34	Y	-
35	R	-
36	R	-
37	BR	-
F	W	-
G	G	-
H	G	-
K	W	-
L	R	-
M	G	-

Connector No.	Color Of Wire	Signal Name [Specification]
E13	-	-
Connector Name	WIRE TO WIRE	
Connector Type	SAA39MB-RS3-SH23	



Terminal No.	Wire	Signal Name [Specification]
1	Y	-
2	LG	-
3	U/B	-
4	SHIELD	-
5	BR	-
7	G	-
8	W	-

Terminal No.	Wire	Signal Name [Specification]
8	W	-
10	Y	-
11	P	-
12	SB	-
13	L	-
14	G	-
15	R	-
16	LG	-
18	Y	-
19	BG	-
20	B	-
21	SB	-
22	W	-
23	L	-
24	G	-
25	LG	-
27	GR	-
28	V	-
29	P	-
30	R	-
31	BR	-
32	Y	-
33	G	-
34	BG	-
37	SHIELD	-
38	L	-
39	P	-
40	R	-
41	W	-
42	LG	-
43	G	-
45	BG	-
46	SHIELD	-
47	W	-
48	BR	-
49	G	-
50	B	-
51	SB	-
52	R	-

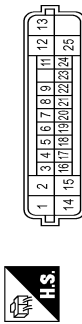
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY

Connector No.	E14
Connector Name	VVEL CONTROL MODULE
Connector Type	EH15FB-AJ25-RH



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

Connector No.	E16
Connector Name	VVEL ACTUATOR MOTOR RELAY
Connector Type	24347 9F900



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



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

Connector No.	E18
Connector Name	HORN RELAY 2
Connector Type	MD3FW-R-LG



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

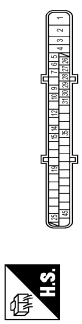


Terminal No.	Color Of Wire	Signal Name [Specification]
2	B	-
3	B/Y	-
4	B/W	-
5	BG	-
6	V	-
7	BR	-
8	P	-

Connector No.	E34
Connector Name	FRONT FOG LAMP RH
Connector Type	FH202FB



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



Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	GROUND
2	G	UBWR
3	R	UBWR
4	B	GROUND
5	Y	DS FL
6	BG	DP RL
7	BR	DP RR
9	B	DS FR
10	W	DS FR
12	L	VAC
14	P	CAN-L
15	SHIELD	GROUND
19	Y	BUS-L
25	Y	BUS-L
26	LG	DP FL
27	GR	DS RL
28	G	UZ
29	LG	DS RR

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY

Terminal No.	30	SB	BLU
Connector No.	31	R	VDC OE SW
Connector Name	32	L	CAN-H
Connector Type	33	B	BUS-H

Connector No.	E50
Connector Name	IGC BRAKE HOLD RELAY
Connector Type	MMRGT-R-US



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

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



Terminal No.	1	V	Signal Name [Specification]
2	V	-	
3	V	-	

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



Terminal No.	1	B/Y	Signal Name [Specification]
2	B/Y	-	
3	B/Y	-	
4	B/W	-	
5	V	-	
6	G	-	
7	P	-	
8	BG	-	

Connector No.	E64
Connector Name	FRONT FOG LAMP LH
Connector Type	FH202FB



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

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



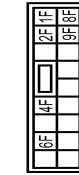
Terminal No.	10	R	Signal Name [Specification]
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Connector No.	E102
Connector Name	FUSE BLOCK (J/B)
Connector Type	MO2FE-LC



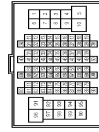
Terminal No.	1E	G	Signal Name [Specification]
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Connector No.	E103
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS10FW-CS



Terminal No.	1E	SB	Signal Name [Specification]
2E	W	-	
3E	G	-	
4E	BR	-	
5E	BR	-	
6E	L	-	
7E	R	-	

Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	TH08FW-CS1P-TM4



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

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY

32	W	-
33	B	-
34	B	-
35	G	-
36	SHIELD	-
37	V	-
38	BR	-
39	BG	-
41	W	-
42	G	-
43	BR	-
45	W	-
49	L	-
50	P	-
51	L	-
57	BR	-
59	W	-
61	G	-
62	SB	-
63	W	-
64	B	-
65	G	-
66	R	-
67	SHIELD	-
68	Y	-
69	LG	-
70	W	-
72	Y	-
73	B	-
74	L	- [With ICG]
75	G	- [With ICG]
76	W	- [Without ICG]
77	Y	- [With ICG]
77	P	- [Without ICG]
77	R	- [With ICG]
78	BR	- [Without ICG]
78	L	- [With ICG]
79	Y	- [Without ICG]
80	SB	- [With ICG]
81	B	-
82	SB	-
83	BG	-
84	G	-
85	L	-

86	P	-
87	Y	-
88	CB	-
89	SHIELD	-
91	W	-
92	Y	-
93	V	-
94	LG	-
95	BG	-
96	P	-
97	R	-
98	SHIELD	-
99	L	-
100	P	-

Connector No.	E10
Connector Name	STOP LAMP SWITCH
Connector Type	MSAFW-LG



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

Connector No.	E13
Connector Name	ACCELERATOR PEDAL ACTUATOR
Connector Type	KD206FB



Terminal No.	1	2	3	4	5
Color Of Wire	R	PD	PD	B/W	L
Signal Name [Specification]	IGNITION	ITS COMM-L	ITS COMM-H	GROUND	ITS COMM-H

Connector No.	E201
Connector Name	FUSEBLE LINK HOLDER
Connector Type	24340 75903



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

Connector No.	E202
Connector Name	FUSEBLE LINK HOLDER
Connector Type	24340 75905



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

Connector No.	E203
Connector Name	ALTERNATOR
Connector Type	24340 05F45



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

Connector No.	E204
Connector Name	STARTER MOTOR
Connector Type	2434B 51E61



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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY

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

Connector No.	Connector Name	Connector Type
E213	FUSE AND FUSEBLE LINK BLOCK	24389 CF000

Terminal No.	Color Of Wire	Signal Name [Specification]
61	BG	-
83	W	-

Terminal No.	Color Of Wire	Signal Name [Specification]
61	BG	-
83	W	-

Connector No.	Connector Name	Connector Type
F7	VAP CANISTER PURGE VOLUME CONTROL SOLENOID VALVE	E02FL-RS-LGY

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

Connector No.	Connector Name	Connector Type
F8	CONDENSER	M02FW-LG

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

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

Connector No.	Connector Name	Connector Type
F11	IGNITION COIL No. 1 (WITH POWER TRANSISTOR)	E03FGY-RS

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

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

Connector No.	Connector Name	Connector Type
F12	IGNITION COIL No. 2 (WITH POWER TRANSISTOR)	E03FGY-RS

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

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

Connector No.	Connector Name	Connector Type
F13	IGNITION COIL No. 3 (WITH POWER TRANSISTOR)	E03FGY-RS

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

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

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

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

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

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

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

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

JRMWF4785GB

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY

Connector No.	F18
Connector Name	IGNITION COIL No. 6 (WITH POWER TRANSISTOR)
Connector Type	EDZFG-RS



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

Connector No.	F28
Connector Name	INTAKE VALVE TIMING CONTROL SOLENOID VALVE (BANK 1)
Connector Type	EDZFG-RS-LGY



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

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



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

Connector No.	F31
Connector Name	MASS AIR FLOW SENSOR (BANK 1)
Connector Type	RHD0FB



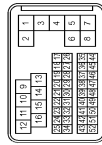
Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
2	P	-
3	SB	-
4	LG	-
5	Y	-

Connector No.	F36
Connector Name	ALTERNATOR
Connector Type	HS03FB



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

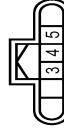
Connector No.	F40
Connector Name	WIRE TO MRE
Connector Type	SA338FB-RSS-SHZ8



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

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

Connector No.	F42
Connector Name	MASS AIR FLOW SENSOR (BANK 2)
Connector Type	RHD0FB



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

JRMWF4786GB

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

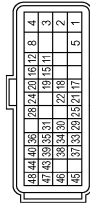
BATTERY POWER SUPPLY

Connector No.	F31
Connector Name	A/T ASSEMBLY
Connector Type	RM0FCG-D0Y



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

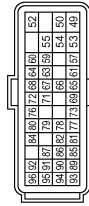
Connector No.	F101
Connector Name	ECM
Connector Type	RM4FEB-R2B-L-LH-Z



Terminal No.	Color	Wire	Signal Name [Specification]
1	W	W	A/F SENSOR 1 HEATER (BANK 1)
2	G	G	THROTTLE CONTROL MOTOR (BANK 1) (OPEN)
3	BR	BR	THROTTLE CONTROL MOTOR (BANK 1) (CLOSE)
4	BR	BR	THROTTLE CONTROL MOTOR (BANK 1) (CLOSE)
5	W	W	A/F SENSOR 1 HEATER (BANK 2)
6	B	B	ECM GROUND
11	GR	GR	IGNITION SIGNAL #4
12	L	L	IGNITION SIGNAL #3
15	V	V	IGNITION SIGNAL #5
16	G	G	IGNITION SIGNAL #2

17	P	P	HEATED OXYGEN SENSOR 2 HEATER (BANK 1)
18	W	W	SVT CONTROL SOLENOID VALVE (BANK 1)
19	SB	SB	IGNITION SIGNAL #6
20	Y	Y	IGNITION SIGNAL #1
21	GR	GR	SWP GANISTER PULSE VOLUME CONTROL SOLENOID VALVE
22	R	R	FUEL PUMP RELAY
24	P	P	ECM RELAY (SELF SHUT-OFF)
25	O	O	THROTTLE CONTROL MOTOR RELAY
26	BR	BR	VEEL ACTUATOR MOTOR RELAY (VEEL CONTROL MODULE)
29	G	G	IVT CONTROL SOLENOID VALVE (BANK 1)
30	Y	Y	THROTTLE POSITION SENSOR 1 (BANK 1)
31	R	R	THROTTLE POSITION SENSOR 2 (BANK 2)
33	SB	SB	HEATED OXYGEN SENSOR 2 HEATER (BANK 2)
34	B	B	THROTTLE POSITION SENSOR 2 (BANK 1)
35	W	W	THROTTLE POSITION SENSOR 1 (BANK 2)
36	O	O	SENSOR GROUND
37	W	W	CRANKSHAFT POSITION SENSOR (POS)
38	O	O	MANFOLD ABSOLUTE PRESSURE (MAP) SENSOR
39	P	P	BRAKE BOOSTER PRESSURE SENSOR
40	R	R	SENSOR GROUND
43	G	G	SENSOR POWER SUPPLY
44	L	L	SENSOR POWER SUPPLY
45	LG	LG	SENSOR POWER SUPPLY
46	R	R	SENSOR POWER SUPPLY
47	Y	Y	SENSOR GROUND
48	B	B	SENSOR GROUND

Connector No.	F102
Connector Name	ECM
Connector Type	RM4FEB-R2B-L-LH-Z



Terminal No.	Color	Wire	Signal Name [Specification]
1	W	W	THROTTLE CONTROL MOTOR (BANK 1) (CLOSE)
2	GR	GR	THROTTLE CONTROL MOTOR (BANK 1) (CLOSE)
3	BR	BR	THROTTLE CONTROL MOTOR (BANK 2)
4	BR	BR	THROTTLE CONTROL MOTOR (BANK 2)
5	W	W	IGNITION SWITCH
53	W	W	CAN COMMUNICATION LINE (VEEL CONTROL MODULE)
54	Y	Y	CAN COMMUNICATION LINE (VEEL CONTROL MODULE)
55	LG	LG	CAN COMMUNICATION LINE (VEEL CONTROL MODULE)
57	L	L	A/F SENSOR 1 (BANK 1)
59	O	O	CRANKSHAFT POSITION SENSOR (PHASE) (BANK 1)

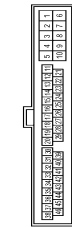
5	B	B	W
6	Y	Y	W
10	GR	GR	W
19	EG	EG	W
19	O	O	W
20	Y	Y	W
28	B	B	W
29	LG	LG	W
31	R	R	W
33	GR	GR	W
34	B	B	W
35	L	L	W
36	P	P	W
37	Y	Y	W
38	W	W	W
43	LG	LG	W
44	O	O	W
45	Y	Y	W
46	V	V	W

Connector No.	F104
Connector Name	WIRE TO WIRE
Connector Type	TH0BFW-NH



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

Connector No.	F103
Connector Name	WIRE TO WIRE
Connector Type	TK0BFW-NS10



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

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

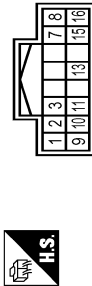
BATTERY POWER SUPPLY

Connector No.	F105
Connector Name	WIRE TO WIRE
Connector Type	TH8BMW-NH



Terminal No.	Color	Wire	Signal Name [Specification]
1	P	-	IGNITION POWER SUPPLY
2	Y	-	BATTERY
3	L	-	CAN-L
4	Y	-	K-LINE
5	-	-	GROUND
6	GR	-	IGNITION POWER SUPPLY
7	R	-	BACK-UP LAMP RELAY
8	O	-	CAN-L

Connector No.	F108
Connector Name	AMD CONTROL UNIT
Connector Type	TH1EFP-NH



Terminal No.	Color	Wire	Signal Name [Specification]
1	BR	-	AMD SOL (+)
2	Y	-	AMD SOL (-)
3	W	-	FLUID TEMP (-)
7	G	-	IGN
8	L	-	CAN-H
9	O	-	AMD SOL BATT
10	B	-	GROUND
11	GR	-	GROUND
13	LG	-	FLUID TEMP (+)
15	Y	-	BATTERY
16	P	-	CAN-L

Connector No.	F501
Connector Name	TOM
Connector Type	SP1UEG



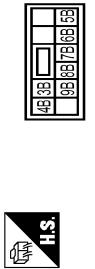
Terminal No.	Color	Wire	Signal Name [Specification]
1	-	-	IGNITION POWER SUPPLY
2	-	-	BATTERY
3	-	-	CAN-L
4	-	-	K-LINE
5	-	-	GROUND
6	-	-	IGNITION POWER SUPPLY
7	-	-	BACK-UP LAMP RELAY
8	-	-	CAN-L
9	-	-	STARTER RELAY
10	-	-	GROUND

Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS56PW-MZ



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

Connector No.	M2
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS10PW-CS



Terminal No.	Color	Wire	Signal Name [Specification]
1	P	-	IGNITION POWER SUPPLY
2	Y	-	BATTERY
3	L	-	CAN-L
4	Y	-	K-LINE
5	-	-	GROUND
6	GR	-	IGNITION POWER SUPPLY
7	R	-	BACK-UP LAMP RELAY
8	O	-	CAN-L
9	-	-	STARTER RELAY
10	-	-	GROUND

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TH8BMW-CS16-TM1



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

Terminal No.	Color	Wire	Signal Name [Specification]
16	V	-	IGN
17	SP	-	IGN
18	Y	-	IGN
19	Y	-	IGN
20	EG	-	IGN
21	L	-	IGN
22	W	-	IGN
23	P	-	IGN
24	BR	-	IGN
25	Y	-	IGN
26	V	-	IGN
27	G	-	IGN
28	G	-	IGN
29	L	-	IGN
30	B	-	IGN
31	G	-	IGN
32	Y	-	IGN
33	W	-	IGN
34	R	-	IGN
35	SHIELD	-	IGN
36	SHIELD	-	IGN
37	V	-	IGN
38	EG	-	IGN
39	BR	-	IGN
40	Y	-	IGN
41	W	-	IGN
42	EG	-	IGN
43	EG	-	IGN
44	W	-	IGN
45	W	-	IGN
46	L	-	IGN
47	P	-	IGN
48	BR	-	IGN
49	Y	-	IGN
50	G	-	IGN
51	W	-	IGN
52	L	-	IGN
53	Y	-	IGN
54	W	-	IGN
55	W	-	IGN
56	L	-	IGN
57	G	-	IGN
58	G	-	IGN
59	G	-	IGN
60	G	-	IGN
61	G	-	IGN
62	SB	-	IGN
63	G	-	IGN
64	B	-	IGN
65	W	-	IGN
66	R	-	IGN
67	SHIELD	-	IGN
68	Y	-	IGN
69	GR	-	IGN
70	LG	-	IGN
71	LG	-	IGN
72	Y	-	IGN
73	SB	-	IGN
74	BR	-	IGN
75	L	-	IGN
76	G	-	IGN
77	G	-	IGN
78	GR	-	IGN
79	W	-	IGN

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY

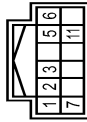
Terminal No.	Color	Wire	Signal Name [Specification]
77	P	—	— [Without ICG]
78	R	—	— [With ICG]
79	R	—	— [Without ICG]
80	W	—	— [With ICG]
81	SB	—	—
82	SB	—	—
83	V	—	—
84	G	—	—
85	L	—	—
86	P	—	—
87	W	—	—
88	GR	—	—
89	SHIELD	—	—
90	W	—	—
91	Y	—	—
92	Y	—	—
93	BR	—	—
94	P	—	—
95	GR	—	—
96	W	—	—
97	L	—	—
98	SHIELD	—	—
99	V	—	—
100	SB	—	—

Connector No.	M19
Connector Name	VDC OFF SWITCH
Connector Type	TK08FGY



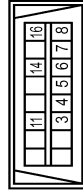
Terminal No.	Color	Wire	Signal Name [Specification]
1	LG	—	—
2	B	—	—
3	R	—	—
4	W	—	—

Connector No.	M22
Connector Name	KEY SLOT
Connector Type	TH13FW-HH



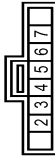
Terminal No.	Color	Wire	Signal Name [Specification]
1	GR	—	BAT
2	GR	—	CLOCK
3	W	—	DATA
4	Y	—	ILL BAT
5	Y	—	ILL
6	LG	—	GROUND
7	B	—	KEY SWITCH SIGNAL

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



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

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



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

Connector No.	M35
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TK08FY-EX-1V



Terminal No.	Color	Wire	Signal Name [Specification]
23	R	—	—
28	Y	—	—
29	Y	—	—
30	Y	—	—

Connector No.	M50
Connector Name	PUSH-BUTTON IGNITION SWITCH
Connector Type	TK08BER



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

Connector No.	M53
Connector Name	COMBINATION METER
Connector Type	TH08FY-HH



Terminal No.	Color	Wire	Signal Name [Specification]
1	GR	—	BATTERY POWER SUPPLY
2	LG	—	COMMUNICATION SIGNAL (METER-AMP.)
3	GR	—	COMMUNICATION SIGNAL (METER-METER)
5	B	—	GROUND
7	BR	—	ALTERING SIGNAL
9	BR	—	APR BAG SIGNAL
10	CS	—	SECURITY SIGNAL
15	B	—	GROUND
16	B	—	METER CONTROL SWITCH GROUND
19	B	—	ILL GND
20	R	—	ILL
21	BG	—	IGNITION SIGNAL

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY

Terminal No.	Color Of Wire	Signal Name [Specification]
22	B	GROUND
23	BR	COMMUNICATION SIGNAL (CD->AMP)
24	Y	COMMUNICATION SIGNAL (AMP->LCD)
25	R	VEHICLE SPEED SIGNAL (V-SPD)
26	R	PARKING BRAKE SWITCH SIGNAL
27	V	IN-VEHICLE SENSOR SIGNAL
28	W	SEAT BELT BUCKLE SWITCH SIGNAL (DRIVER SIDE)
29	SB	SEAT BELT BUCKLE SWITCH SIGNAL (PASSENGER SIDE)
30	G	WASHER LEVEL SWITCH SIGNAL
31	L	ILLUMINATION CONTROL SIGNAL
32	B	SELECT SWITCH SIGNAL
33	LG	ENTER SWITCH SIGNAL
34	SB	TRIP A/B RESET SWITCH SIGNAL
35	L	ILLUMINATION CONTROL SWITCH SIGNAL (-)
36	P	ILLUMINATION CONTROL SWITCH SIGNAL (+)
37	B	ILLUMINATION CONTROL SWITCH SIGNAL (G)

Connector No.	M82
Connector Name	CIRCUIT BREAKER
Connector Type	M02FW-P-LC



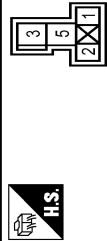
Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	SB	-

Connector No.	M87
Connector Name	UNITED METER AND A/C AMP
Connector Type	T113FW-NH



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

Connector No.	M70
Connector Name	HEATED SEAT RELAY
Connector Type	M502FM-M2-LC



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

Connector No.	M72
Connector Name	MULTIFUNCTION SWITCH
Connector Type	T118FW-NH



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

Connector No.	M74
Connector Name	CLOCK
Connector Type	T104FW-NH



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

Connector No.	M79
Connector Name	AUTOMATIC DRIVE POSITIONER CONTROL UNIT
Connector Type	M502FW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
25	SB	BAT
26	P	BACKWARD
27	P	STG SENS VCC
28	G	DOWNWARD
29	LG	UPWARD FRONTWARD
30	B	GND

Connector No.	M102
Connector Name	GLOVE BOX LAMP
Connector Type	A02FW



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

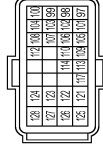
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY

Connector No.	M107
Connector Name	ECM
Connector Type	RH24CV-42B-R-LH-Z



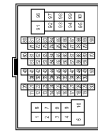
Terminal No.	Color Of Wire	Signal Name [Specification]
87	R	ACCELERATOR PEDAL POSITION SENSOR 1
88	P	ACCELERATOR PEDAL POSITION SENSOR 2 (With ICC)
89	Y	ACCELERATOR PEDAL POSITION SENSOR 2 (Without ICC)
90	G	SENSOR POWER SUPPLY (With ICC)
91	L	SENSOR POWER SUPPLY (Without ICC)
100	W	SENSOR GROUND
101	SB	ASD/ICC STEERING SWITCH
102	LG	EVAP CONTROL SYSTEM PRESS SENSOR
103	G	SENSOR POWER SUPPLY (Without ICC)
104	BR	SENSOR GROUND (With ICC)
105	GR	SENSOR GROUND (Without ICC)
106	L	REFRIGERANT PRESS SENSOR
109	W	FUEL TANK TEMPERATURE SENSOR
109	RG	SENSOR POWER SUPPLY
109	Y	SENSOR GROUND
109	G	PNP SIGNAL
110	R	ENGINE SPEED OUTPUT SIGNAL
112	V	SENSOR GROUND
113	P	CAN COMMUNICATION LINE
114	L	CAN COMMUNICATION LINE
117	V	DATA LINK CONNECTOR
121	LG	EVAP CANISTER VENT CONTROL VALVE
122	P	STOP LAMP SWITCH
123	B	ECM GROUND
124	B	ECM GROUND
125	R	POWER SUPPLY FOR ECM
126	BR	ASD/ICC BRAKE SWITCH
127	B	ECM GROUND
128	B	ECM GROUND

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



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

Connector No.	M117
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-GS16-TM4



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

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

Connector No.	M118
Connector Name	ECM (BODY CONTROL MODULE)
Connector Type	M03FB-LG



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	BAT (7/L)
2	W	POWER WINDOW POWER SUPPLY(BAT)
3	Y	POWER WINDOW POWER SUPPLY(GRD)

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY

Connector No.	M119
Connector Name	BDM (BODY CONTROL MODULE)
Connector Type	NS30FW-CS



4	5	7	<div></div>	8	9	10	
11		13	14	15	17	18	19

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

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



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
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Terminal No.	Color Of Wire	Signal Name [Specification]
116	SB	CRUISE SENSOR
118	P	STOP LAMP SW 1
119	SB	STOP LAMP SW 2
121	BR	DR DOOR UNLOCK SENSOR
123	W	KEY SLOT SW
124	LG	PASSENGER DOOR SW

132	BR	POWER WINDOW SW COMM
133	CS	PUSH-BUTTON LOCK SW ILL POWER
137	BG	LOCK IND
138	Y	RECEIVER SENSOR GND
139	L	RECEIVER SENSOR POWER SUPPLY
140	GR	TIRE PRESSURE RECEIVER COMM
141	G	SHIFT N/P
142	BG	SECURITY IND LAMP CONT
143	P	COMBI SW OUTPUT 5
144	G	COMBI SW OUTPUT 1
145	L	COMBI SW OUTPUT 2
146	SB	COMBI SW OUTPUT 3
150	LG	DRIVER DOOR SW
151	G	REAR WINDOW DEFROGGER RELAY CONT

Connector No.	M132
Connector Name	FRONT POWER SOCKET
Connector Type	NS30FW-CS



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

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

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



1	2	3	4	5
7	8	9	10	11

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

Connector No.	M149
Connector Name	AV CONTROL UNIT
Connector Type	NH18FW-CS2



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

Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	AMP ON SIGNAL
2	R	SOUND SIGNAL FRONT LH (+)
3	G	SOUND SIGNAL FRONT LH (-)
4	W	SOUND SIGNAL REAR LH (+)
5	Y	SOUND SIGNAL REAR LH (-)
6	P	STRG SW A
7	V	ACC
10	B	SHIELD
11	P	SOUND SIGNAL FRONT RH (+)
12	L	SOUND SIGNAL FRONT RH (-)

13	V	SOUND SIGNAL REAR RH (+)
14	LG	SOUND SIGNAL REAR RH (-)
15	B	STRG SW GND
16	I	STRG SW B
19	Y	BATTERY
20	B	GROUND

Connector No.	M151
Connector Name	AV CONTROL UNIT
Connector Type	TH13FW-NH



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
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Terminal No.	Color Of Wire	Signal Name [Specification]
65	V	PARKING BRAKE SIGNAL
67	G	COMPOSITE IMAGE SIGNAL GND
68	R	COMPOSITE IMAGE SIGNAL
71	R	SHIELD
72	R	MICROPHONE VCC
73	R	CAMERA POWER SUPPLY
74	P	PAINT
76	LG	AV COMM L3
78	LG	AV COMM L3
79	R	ILLUMINATION
80	G	IGNITION SIGNAL
81	BG	REVERSE SIGNAL
82	R	VEHICLE SPEED SIGNAL (8-PULSE)
83	SHIELD	SHIELD
87	G	MICROPHONE SIGNAL
88	SHIELD	SHIELD
89	G	COMM (DISP->CONT)
90	L	GAN-H
91	SB	AV COMM HI
92	SB	AV COMM HI

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY

Connector No.	MT74
Connector Name	POWER RETURN SWITCH (LH)
Connector Type	TK09FW



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

Connector No.	MT75
Connector Name	POWER RETURN SWITCH (RH)
Connector Type	TK09FW-B



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

Connector No.	MT76
Connector Name	SHOW MODE SWITCH
Connector Type	TK08FW



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

Connector No.	MT77
Connector Name	HEATED SEAT SWITCH (DRIVER SIDE)
Connector Type	TK10FW



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

Connector No.	MT78
Connector Name	HEATED SEAT SWITCH (PASSENGER SIDE)
Connector Type	TK08FBR



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

Connector No.	MT87
Connector Name	IBA OFF SWITCH
Connector Type	TK08FGY



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

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



Terminal No.	Color Of Wire	Signal Name [Specification]
5	SHLD	SHIELD
7	SHLD	CAMERA IMAGE SIGNAL GND
8	W	CAMERA IMAGE SIGNAL
9	G	CAMERA DISP-VIDEO
10	R	COMM (CONT-VIDEO)
11	Y	BATTERY
12	B	GROUND
18	R	COMPOSITE IMAGE SIGNAL
19	G	COMPOSITE IMAGE SIGNAL GND
22	SHLD	SHIELD
23	V	ACC

Connector No.	M214
Connector Name	AV CONTROL UNIT
Connector Type	NH18FW-SS2



Terminal No.	Color Of Wire	Signal Name [Specification]
2	BR	FR LH SP+
3	FR	FR LH SP-
4	LC	FR LH SP+
5	LC	FR LH SP-
6	P	STRG SWA
7	V	ACC
9	R	ILLUMINATION SIGNAL
11	L	FR RH SP+
12	W	FR RH SP-


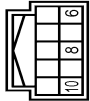
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY	
13	L
14	RR RH SP+
15	RR RH SP-
16	B
17	STCR SW GND
18	L
19	STCR SW B
20	Y
21	BATTERY
22	GROUND

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



Terminal No.	Color Of Wire	Signal Name [Specification]
6	BR	IGN
8	LB	GROUND
10	G	BAT

JRMWF4794GB

POWER SUPPLY ROUTING CIRCUIT

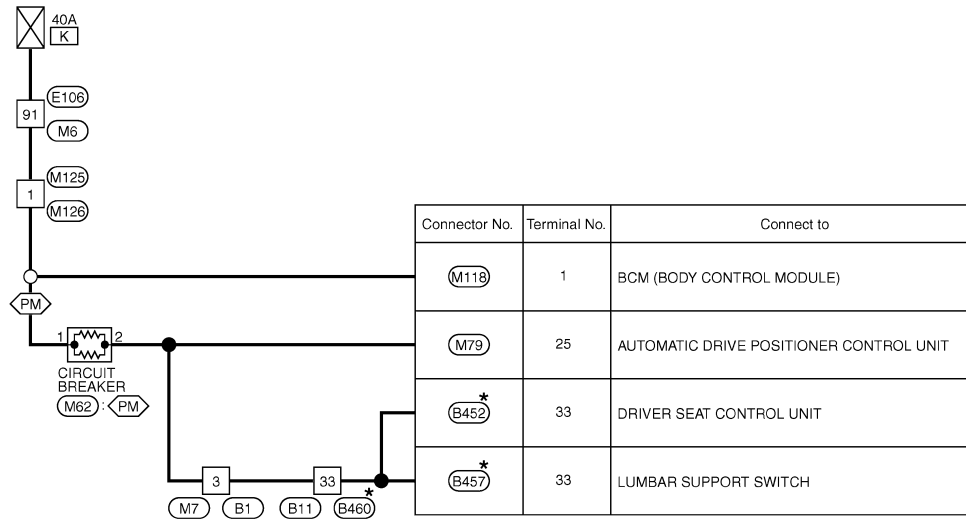
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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

INFOID:000000010594916

◊PM◊ : With automatic drive positioner



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

2014/03/21

JRMWF4623GB

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

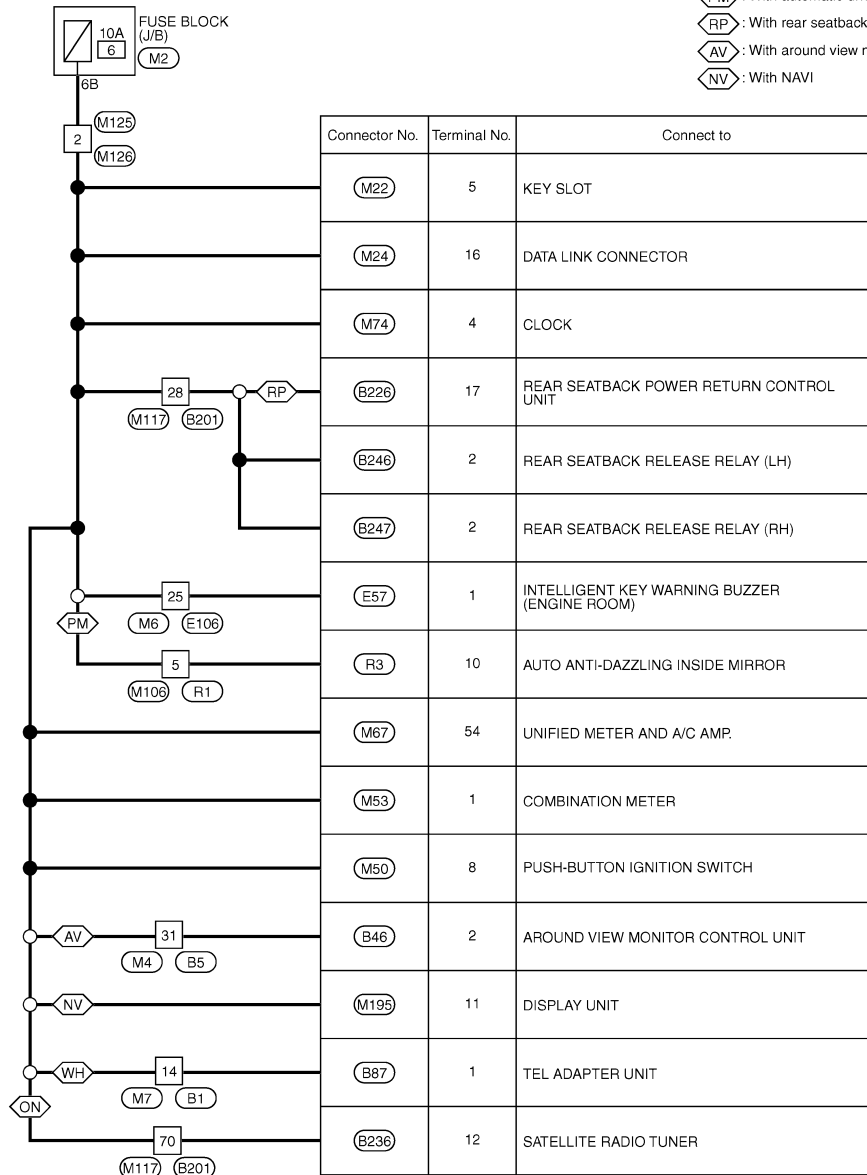
[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 6 -

INFOID:000000010594917

BATTERY POWER SUPPLY FUSE No. 6

- <WH> : With hands-free phone
- <ON> : Without NAVI
- <PM> : With automatic drive positioner
- <RP> : With rear seatback power return system
- <AV> : With around view monitor
- <NV> : With NAVI



2014/03/21

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

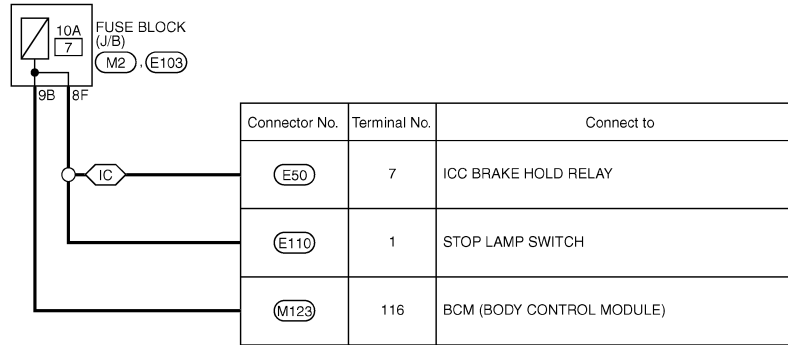
[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 7 -

INFOID:0000000010594918

BATTERY POWER SUPPLY FUSE No. 7

IC : With ICC



2008/08/28

JCMWA3162GB

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

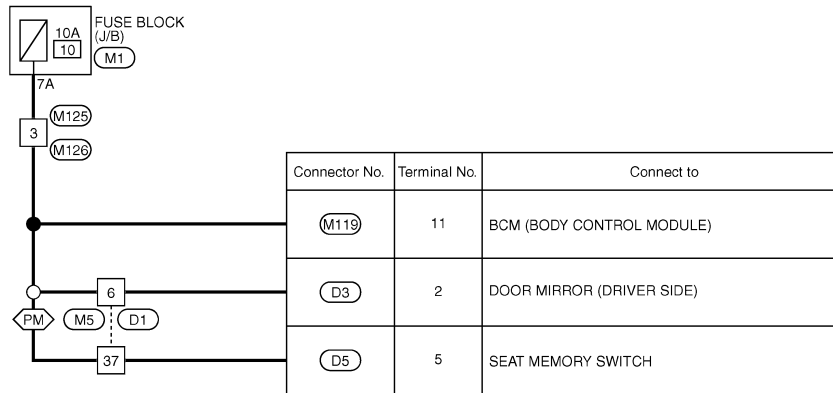
[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 10 -

INFOID:0000000010594919

BATTERY POWER SUPPLY FUSE No. 10

PM : With automatic drive positioner



2014/03/21

JRMWF4625GB

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

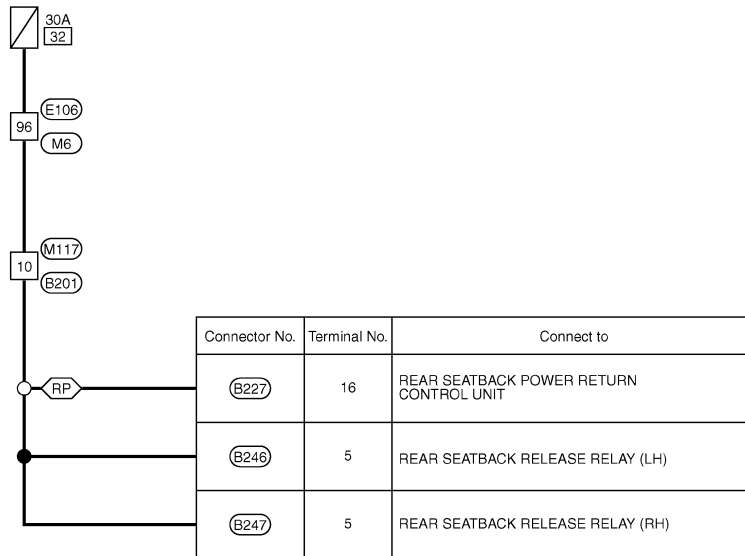
[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 32 -

INFOID:0000000010594921

BATTERY POWER SUPPLY FUSE No. 32

RP: With rear seatback power return system



2008/08/28

JCMWA3167GB

POWER SUPPLY ROUTING CIRCUIT

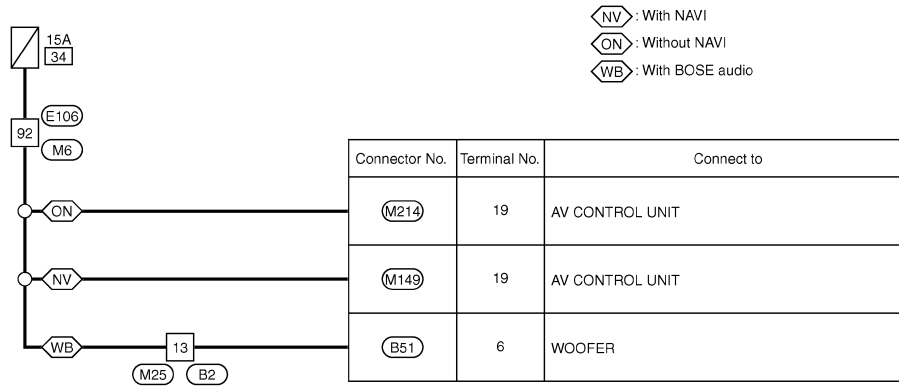
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 34 -

INFOID:0000000010594922

BATTERY POWER SUPPLY FUSE No. 34



2014/03/21

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POWER SUPPLY ROUTING CIRCUIT

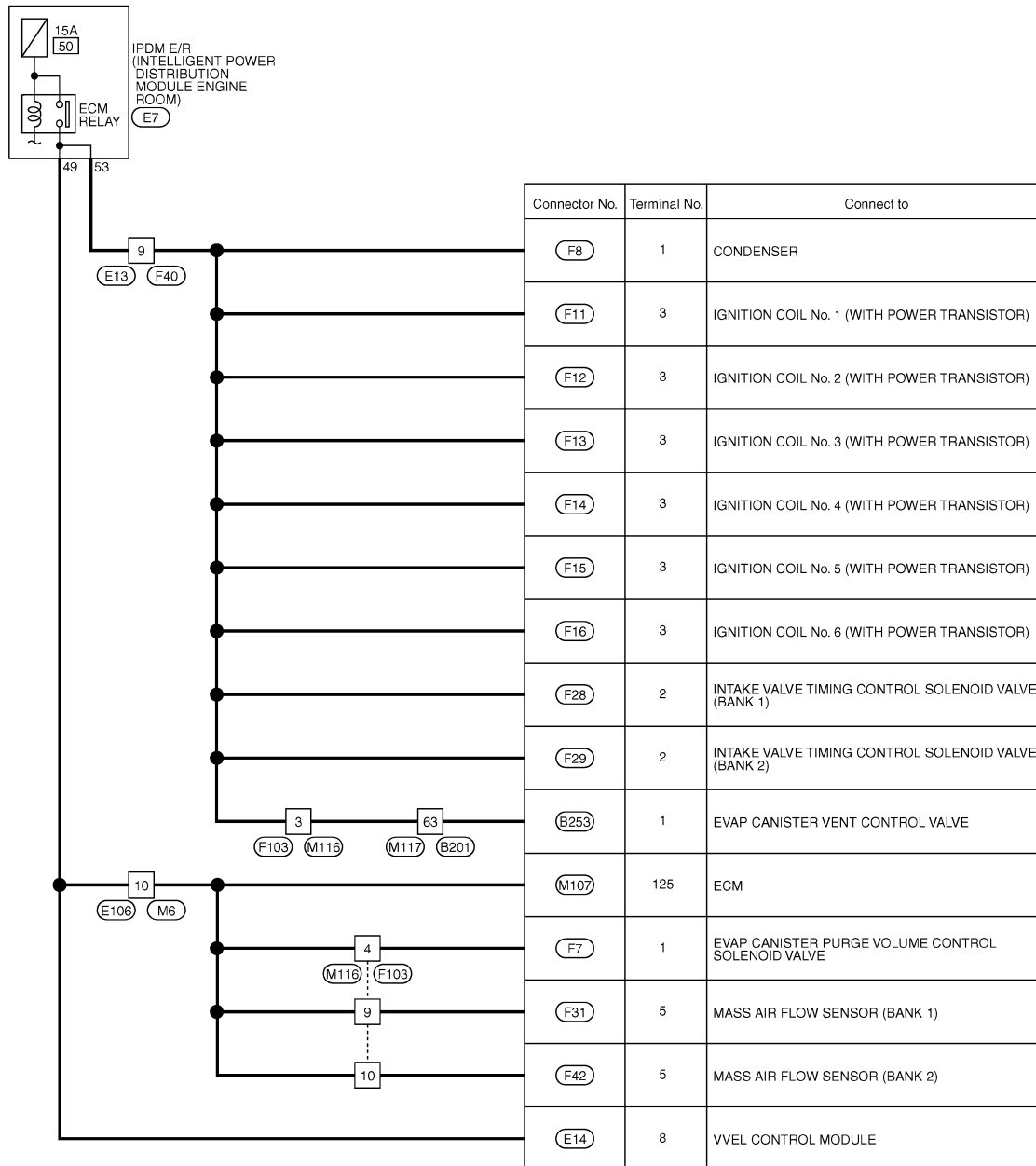
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 50 -

INFOID:000000010594923

BATTERY POWER SUPPLY FUSE No. 50



2014/03/21


JRMWF4627GB

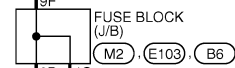
[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 53 -

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

IPDM E/R
(INTELLIGENT POWER
DISTRIBUTION
MODULE ENGINE
ROOM)
E5

 : With heated seat



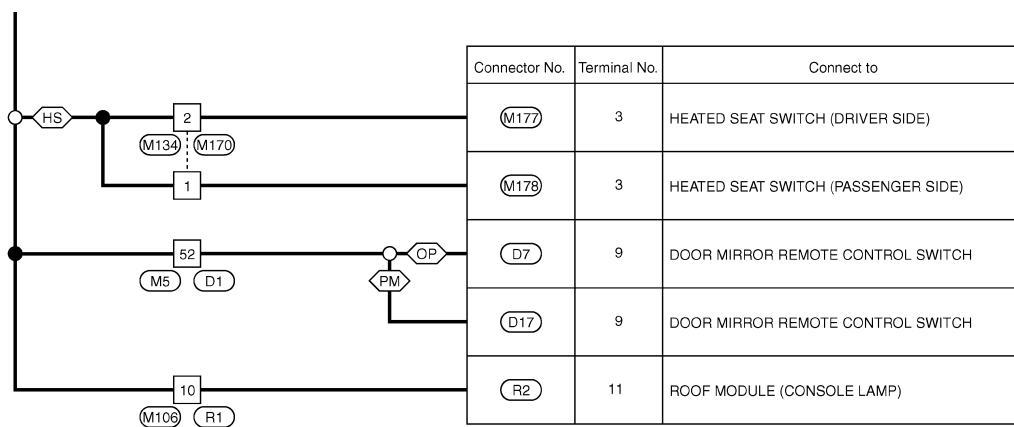
Connector No.	Terminal No.	Connect to
B60	1	REAR COMBINATION LAMP LH
B232	1	REAR COMBINATION LAMP RH
D112	1	LICENSE PLATE LAMP LH
D117	1	LICENSE PLATE LAMP RH
M19	3	VDC OFF SWITCH
M29	5	WARNING SYSTEMS SWITCH
M35	23	COMBINATION SWITCH (SPIRAL CABLE)
M72	4	MULTIFUNCTION SWITCH
M74	2	CLOCK
M102	1	GLOVE BOX LAMP
M132	2	FRONT POWER SOCKET
M137	7	A/T SHIFT SELECTOR
M187	5	IBA OFF SWITCH
M214	9	AV CONTROL UNIT
M151	79	AV CONTROL UNIT
B46	5	AROUND VIEW MONITOR CONTROL UNIT
M174	3	POWER RETURN SWITCH (LH)
M175	3	POWER RETURN SWITCH (RH)
M176	5	SNOW MODE SWITCH

2015 QX50

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]



2014/03/21

JRMWF4629GB

[POWER SUPPLY & GROUND CIRCUIT]

INFOID:0000000010594925

JRMWD7852GB

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

ACCESSORY POWER SUPPLY

Connector No.	B46
Connector Name	AROUND VIEW MONITOR CONTROL UNIT
Connector Type	TH46FW-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
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Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	GROUND
2	Y	BATTERY
3	P	IGNITION SIGNAL
4	GR	ACC
5	BG	ILLUMINATION SIGNAL
6	SB	VEHICLE SPEED SIGNAL (8-PULSE)
7	V	REVERSE SIGNAL
8	W	CONTROL SIGNAL
9	V	CONTROL SIGNAL
10	W	TEL VOICE SIGNAL (-)
11	B	CONTROL SIGNAL
12	B	CONTROL SIGNAL
13	B	AV COMM (H)
14	SB	AV COMM (L)
15	LG	AV COMM (H)
16	SB	AV COMM (L)
17	LG	AV COMM (H)
18	SB	AV COMM (L)
19	LG	AV COMM (H)
20	SB	AV COMM (L)
21	LG	AV COMM (H)
22	SB	AV COMM (L)
23	LG	AV COMM (H)
24	SB	AV COMM (L)
25	LG	AV COMM (H)
26	SB	AV COMM (L)
27	LG	AV COMM (H)
28	SB	AV COMM (L)
29	LG	AV COMM (H)
30	SB	AV COMM (L)
31	LG	AV COMM (H)
32	SB	AV COMM (L)
33	LG	AV COMM (H)
34	SB	AV COMM (L)
35	LG	AV COMM (H)
36	SB	AV COMM (L)
37	LG	AV COMM (H)
38	SB	AV COMM (L)
39	LG	AV COMM (H)
40	SB	AV COMM (L)



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
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Connector No.	B57
Connector Name	TEL ADAPTER UNIT
Connector Type	TH137FW-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
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Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	BATTERY
2	LG	ACC
3	W	IGNITION SIGNAL
4	B	GROUND
5	BR	MICROPHONE SIGNAL
6	SHIELD	MICROPHONE GND
7	SHIELD	TEL VOICE SIGNAL (+)
8	SHIELD	TEL VOICE SIGNAL (-)
9	SHIELD	TEL VOICE SIGNAL (-)
10	W	CONTROL SIGNAL
11	B	CONTROL SIGNAL
12	B	CONTROL SIGNAL
13	B	CONTROL SIGNAL
14	B	CONTROL SIGNAL
15	B	CONTROL SIGNAL
16	B	CONTROL SIGNAL
17	B	CONTROL SIGNAL
18	B	CONTROL SIGNAL
19	B	CONTROL SIGNAL
20	B	CONTROL SIGNAL
21	B	CONTROL SIGNAL
22	B	CONTROL SIGNAL
23	B	CONTROL SIGNAL
24	B	CONTROL SIGNAL
25	B	CONTROL SIGNAL
26	B	CONTROL SIGNAL
27	B	CONTROL SIGNAL
28	B	CONTROL SIGNAL
29	B	CONTROL SIGNAL
30	B	CONTROL SIGNAL
31	B	CONTROL SIGNAL
32	B	CONTROL SIGNAL
33	B	CONTROL SIGNAL
34	B	CONTROL SIGNAL
35	B	CONTROL SIGNAL
36	B	CONTROL SIGNAL
37	B	CONTROL SIGNAL
38	B	CONTROL SIGNAL
39	B	CONTROL SIGNAL
40	B	CONTROL SIGNAL

Connector No.	B238
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
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----



Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	SATELLITE RADIO SOUND SIGNAL LH (+)
2	R	SATELLITE RADIO SOUND SIGNAL LH (-)
3	W	SATELLITE RADIO SOUND SIGNAL RH (+)
4	B	SATELLITE RADIO SOUND SIGNAL RH (-)
5	SHIELD	SHIELD
6	SHIELD	SHIELD

8	L	REQUEST (SAT->CONT)
9	P	COMM (SAT->CONT)
10	G	COMM (CONT->SAT)
11	Y	BATTERY
12	V	ACC
13	V	ACC
14	V	ACC
15	V	ACC
16	V	ACC

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

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

Connector No.	E2
Connector Name	FUSEBLE LINK HOLDER
Connector Type	LO2F-CY-MC

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



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

Connector No.	E12
Connector Name	FUSE AND FUSEBLE LINK BLOCK
Connector Type	24381 / 7900A

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
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Terminal No.	Color Of Wire	Signal Name [Specification]
31	LG	-
32	P	-
33	BG	-
34	Y	-
35	R	-
36	R	-
37	BR	-
38	W	-
39	G	-
40	G	-
41	G	-
42	G	-
43	G	-
44	G	-
45	G	-
46	G	-
47	G	-
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61	G	-
62	G	-
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64	G	-
65	G	-
66	G	-
67	G	-
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72	G	-
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74	G	-
75	G	-
76	G	-
77	G	-
78	G	-
79	G	-
80	G	-
81	G	-
82	G	-
83	G	-
84	G	-
85	G	-
86	G	-
87	G	-
88	G	-
89	G	-
90	G	-
91	G	-
92	G	-
93	G	-
94	G	-
95	G	-
96	G	-
97	G	-
98	G	-
99	G	-
100	G	-

JRMWF4795GB

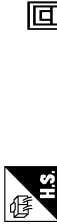
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

ACCESSORY POWER SUPPLY

Connector No.	E101
Connector Name	FUSE BLOCK (J.B)
Connector Type	L01FW-1MC



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

Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	TH88FW-CS16-TM4

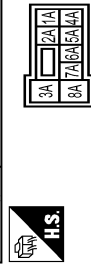


Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	W	-
3	B	-
4	GR	-
5	GR	-
6	Y	-
7	BR	-
8	BR	-
9	BR	-
10	EG	-
11	SB	-
12	EG	-
13	L	-
14	R	-
15	P	-
16	V	-
17	SB	-
18	V	-
20	EG	-
21	L	-
22	V	-

23	G	-
24	Y	-
25	Y	-
26	V	-
27	W	-
28	G	-
31	BG	-
32	W	-
33	B	-
34	R	-
35	G	-
36	SHIELD	-
37	V	-
38	BR	-
39	BG	-
40	Y	-
42	G	-
43	BR	-
45	W	-
46	L	-
50	P	-
51	L	-
54	BG	-
57	BR	-
59	W	-
60	LG	-
61	G	-
62	SB	-
63	W	-
64	G	-
65	R	-
66	SHIELD	-
67	SHIELD	-
68	Y	-
69	LG	-
70	W	-
71	R	-
72	Y	-
73	B	-
74	BR	-
74	L	-
75	G	-
76	W	-
76	Y	-
76	Y	-
77	P	-
77	R	-
78	BR	-
78	L	-
79	L	-

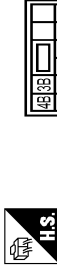
79	Y	- [With ICG]
80	SB	-
81	R	-
82	SB	-
83	BG	-
84	G	-
85	L	-
86	P	-
87	V	-
89	GR	-
90	SHIELD	-
91	W	-
92	Y	-
93	V	-
94	LG	-
95	EG	-
96	P	-
97	R	-
98	SHIELD	-
99	L	-
100	P	-

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



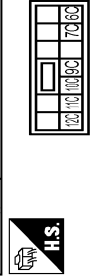
Terminal No.	Color Of Wire	Signal Name [Specification]
1A	Y	-
2A	G	-
3A	L	-
4A	R	-
5A	V	-
6A	R	-
7A	R	-
8A	L	-

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



Terminal No.	Color Of Wire	Signal Name [Specification]
8B	P	-
8B	G	-
8B	EG	-
8B	Y	-
8B	P	-
8B	R	-
8B	SB	-

Connector No.	M3
Connector Name	FUSE BLOCK (J.B)
Connector Type	NS10FW-CS



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

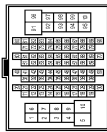
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

ACCESSORY POWER SUPPLY

Connector No.	M6
Wire to Wire	WIRE TO WIRE
Connector Name	TH180MM-C516-TM4
Connector Type	

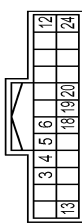


Terminal No.	Color	Off Wire	Signal Name [Specification]
1	W		
2	R		
3	B		
4	SHIELD		
5	G		
6	Y		
9	BR		
10	R		
11	BR		
12	EG		
13	L		
14	R		
15	P		
16	V		
17	SP		
18	V		
20	EG		
21	L		
22	W		
23	P		
24	BR		
25	Y		
26	V		
27	G		
28	G		
31	L		
32	G		
33	B		
35	B		
36	SHIELD		
37	V		
38	EG		
39	BR		
41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

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

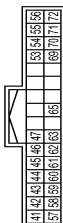
88	SHIELD	-
89	W	-
100	SB	-

Connector No.	M47
Connector Name	SOLAR CONTROL UNIT
Connector Type	TH34FW-NH



Terminal No.	Color	Off Wire	Signal Name [Specification]
3	R		CORNER SENSOR SIGNAL FRONT LH
4	W		CORNER SENSOR SIGNAL FRONT RH
5	W		CORNER SENSOR SIGNAL REAR LH
6	R		CORNER SENSOR SIGNAL REAR RH
12	B		SENSOR GND
13	V		ACC
18	V		K LINE
19	G		AV COMM (H)
20	R		AV COMM (L)
24	B		GROUND

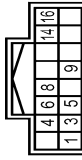
Connector No.	M67
Connector Name	UNIFIED METER AND A/C AMP.
Connector Type	TH33FW-NH



Terminal No.	Color	Off Wire	Signal Name [Specification]
41	V		ACC POWER SUPPLY
42	Y		FUEL LEVEL SENSOR SIGNAL
43	R		INTAKE SENSOR SIGNAL
44	LG		IN-VEHICLE SENSOR SIGNAL
45	P		AMBIENT SENSOR SIGNAL

46	EG	SUN LOAD SENSOR SIGNAL
47	G	WASHER MOTOR POWER SUPPLY
53	G	IGNITION POWER SUPPLY
54	Y	BATTERY POWER SUPPLY
55	B	GROUND
56	L	CAN-H
57	W	BRAKE FLUID LEVEL SWITCH SIGNAL
58	BR	FUEL LEVEL SENSOR GROUND
59	GR	INTAKE SENSOR GROUND
60	L	IN-VEHICLE SENSOR GROUND
61	BR	AMBIENT SENSOR GROUND
62	SB	SUN LOAD SENSOR GROUND
63	R	ECV SIGNAL
65	EG	AV COMM (H)
66	P	AV COMM (L)
70	B	EACH DOOR MOTOR POWER SUPPLY
71	B	GROUND
72	P	CAN-L

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



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

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

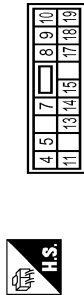
ACCESSORY POWER SUPPLY

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



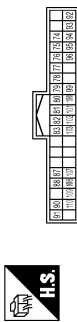
Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	BAT (+)
2	W	POWER WINDOW DRIVER SUPPLY (B4T)
3	Y	POWER WINDOW POWER SUPPLY (B4P)

Connector No.	M119
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	NS1BFW-CS



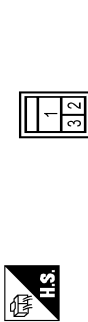
Terminal No.	Color Of Wire	Signal Name [Specification]
4	LG	INTERIOR ROOM LAMP POWER SUPPLY
5	L	PASSENGER DOOR UNLOCK OUTPUT
7	Y	STEP LAMP CONT
8	V	ALL DOOR FUEL LID LOCK OUTPUT
9	G	DRIVER DOOR FUEL LID UNLOCK OUTPUT
10	BR	REAR DOOR UNLOCK OUTPUT
11	R	BAT (FUSE)
13	B	GROUND
14	W	PUSH-BUTTON IGNITION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

Connector No.	M122
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH44FB-N4



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

Connector No.	M125
Connector Name	WIRE TO WIRE
Connector Type	MD3FW-LC



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

Connector No.	M126
Connector Name	WIRE TO WIRE
Connector Type	MD3MW-LC



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

Connector No.	M132
Connector Name	FRONT POWER SOCKET
Connector Type	NS03FW-CS



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

Connector No.	M148
Connector Name	CONSOLE POWER SOCKET
Connector Type	RZ2FB-Z



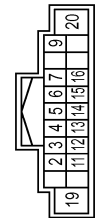

Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
2	B	-

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

ACCESSORY POWER SUPPLY	
Connector No.	M214
Connector Name	AV CONTROL UNIT
Connector Type	NH18FM-C52



Terminal No.	Color Of Wire	Signal Name [Specification]
2	BR	FR LH SP+
3	R	FR LH SP-
4	LG	BR LH SP+
5	L	BR LH SP-
6	P	STRG SW A
7	V	ACC
9	R	ILLUMINATION SIGNAL
11	L	FR RH SP+
12	W	FR RH SP-
13	L	RR RH SP+
14	P	RR RH SP-
15	B	STRG SW GND
16	L	STRG SW B
19	Y	BATTERY
20	B	GROUND

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POWER SUPPLY ROUTING CIRCUIT

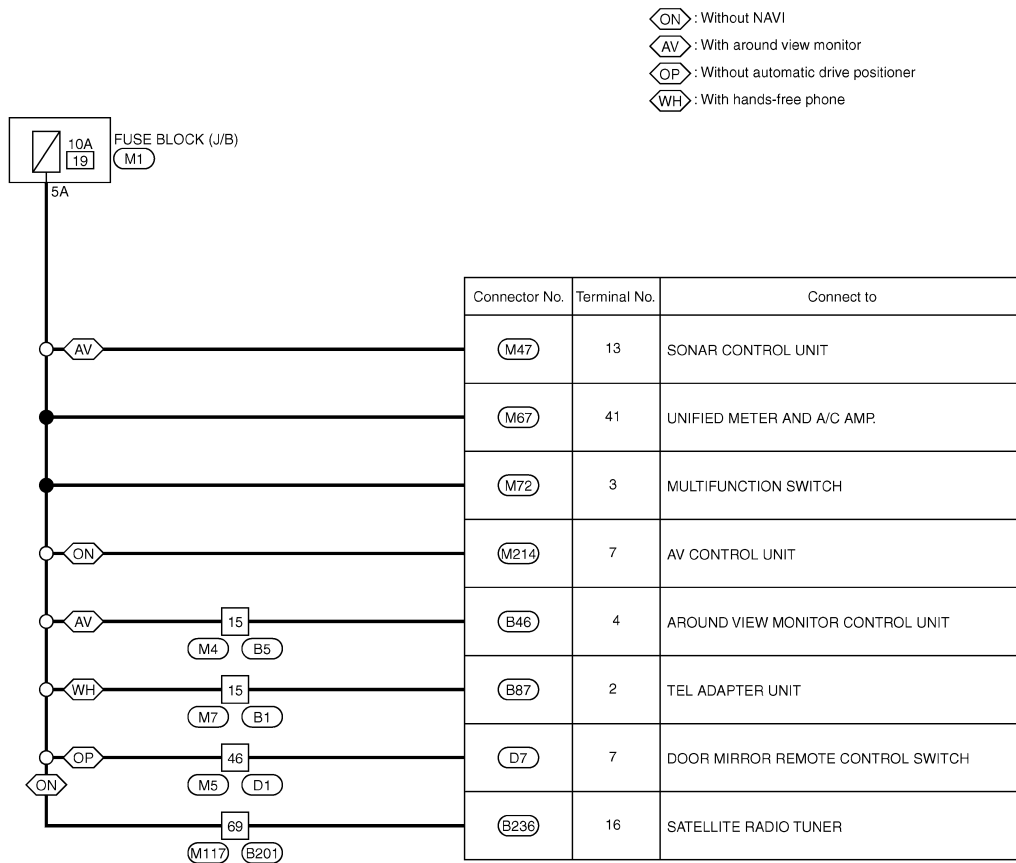
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - ACCESSORY POWER SUPPLY FUSE No. 19 -

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ACCESSORY POWER SUPPLY FUSE No. 19



2014/03/21

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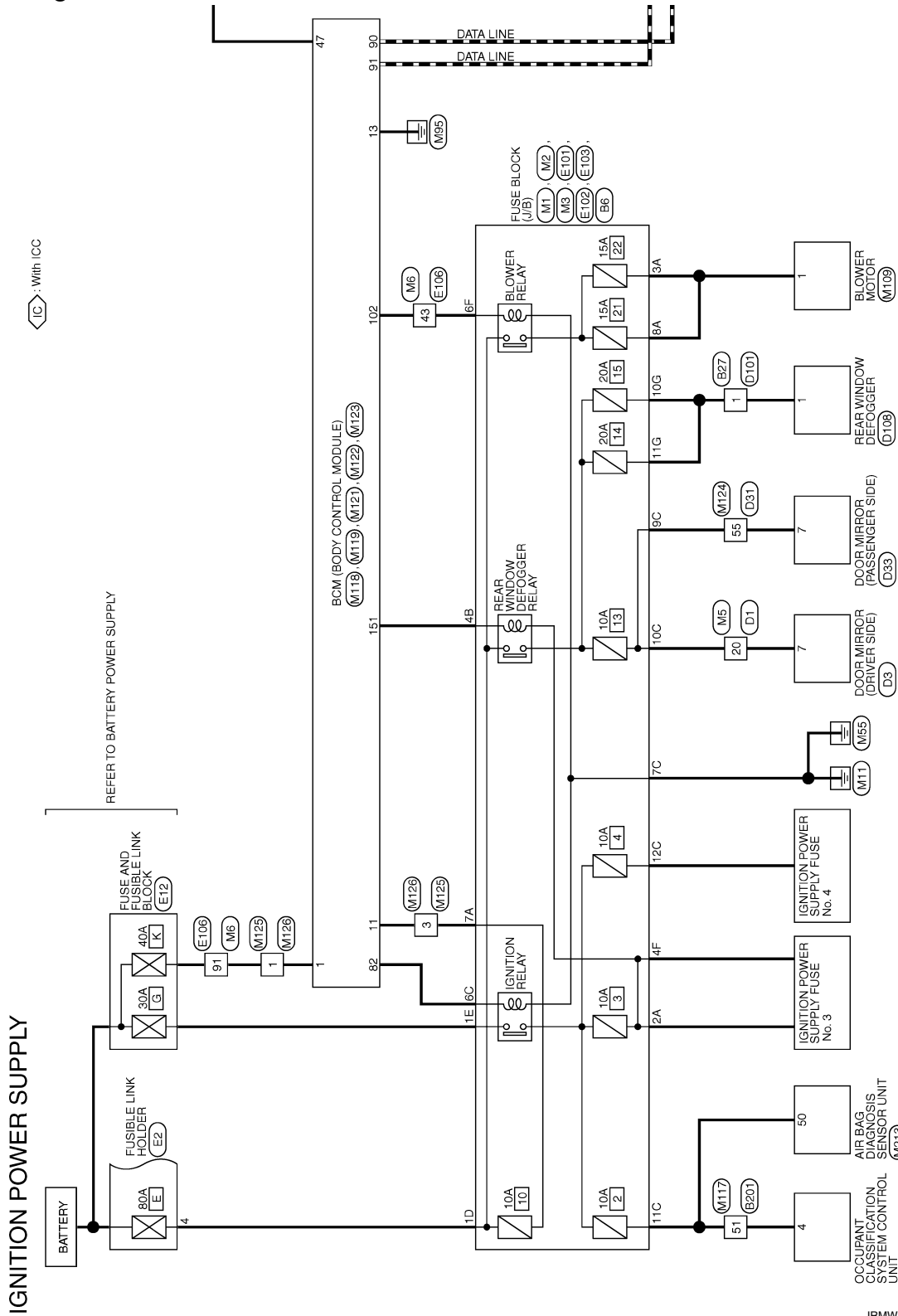
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - IGNITION POWER SUPPLY -

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2014/03/21

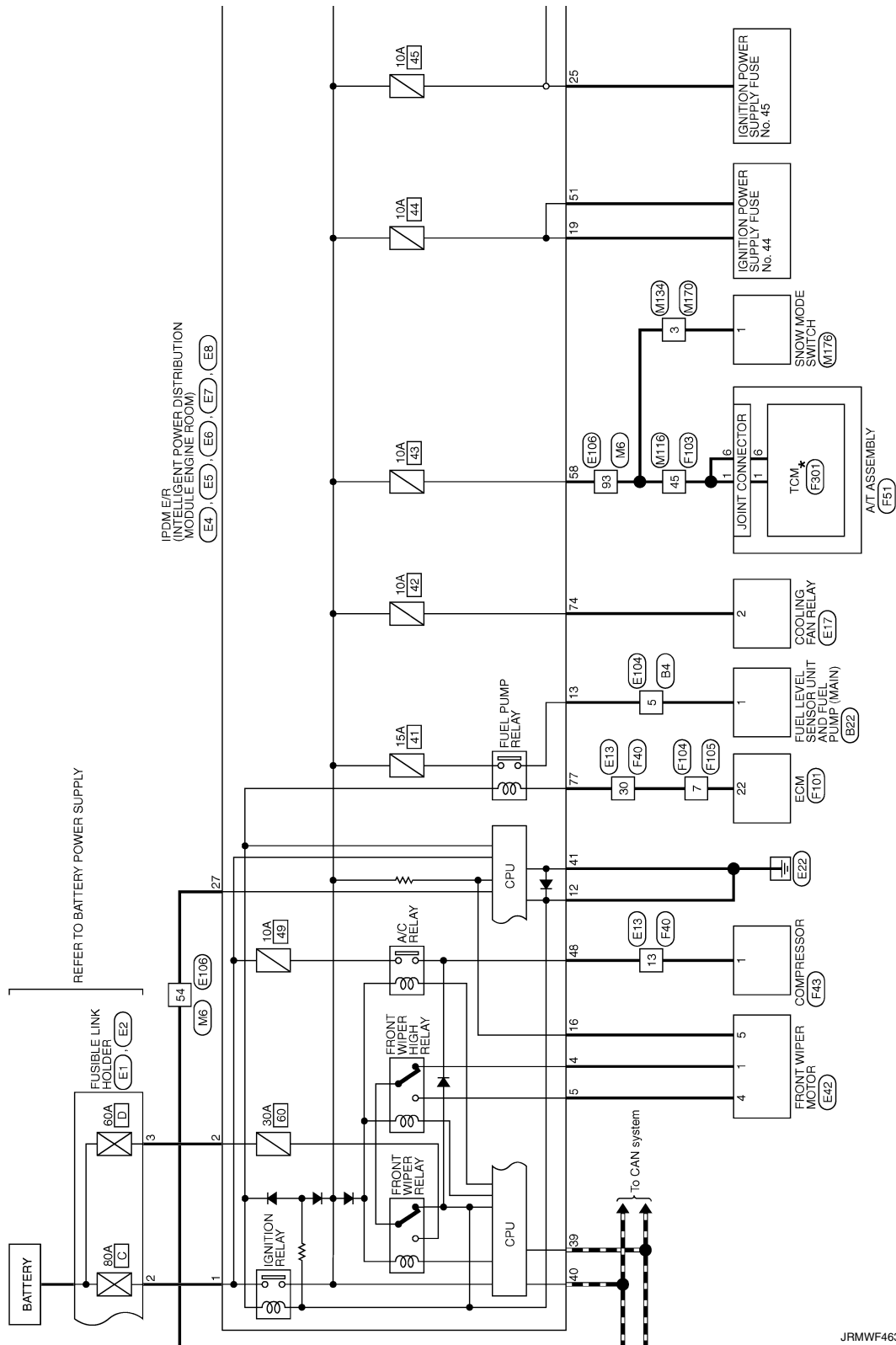
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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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



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[POWER SUPPLY & GROUND CIRCUIT]

Revision: February 2015



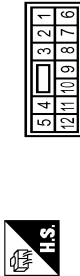
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

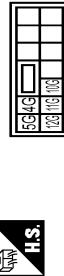
IGNITION POWER SUPPLY

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



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

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



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

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



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

Connector No.	B27
Connector Name	WIRE TO WIRE
Connector Type	MODMW-LG



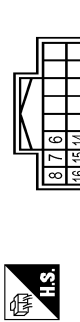
Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	G	-
3	B	-
4	SB	-
5	L	-

Connector No.	B46
Connector Name	AROUND VIEW MONITOR CONTROL UNIT
Connector Type	TH3BFW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	GROUND
2	Y	REVERSE SIGNAL
3	P	IGNITION SIGNAL
4	GR	ACC
5	RG	ILLUMINATION SIGNAL
6	SB	VEHICLE SPEED SIGNAL (8-PULSE)
7	V	REVERSE SIGNAL
9	V	CONTROL SIGNAL
13	B	AV COMM (H)
17	SB	AV COMM (H)
18	LG	AV COMM (L)
21	SB	AV COMM (H)
22	LG	AV COMM (L)
23	LG	-
24	G	-
26	SHIELD	CAMERA IMAGE SIGNAL GND
28	Y	SIDE CAMERA RH IMAGE SIGNAL
30	G	SHIELD
31	SHIELD	SHIELD
32	B	SIDE CAMERA RH GND
33	W	SIDE CAMERA RH COMM
34	R	SIDE CAMERA RH POWER SUPPLY
35	L	REAR CAMERA COMM
36	BR	REAR CAMERA POWER SUPPLY
37	SHIELD	SHIELD
38	R	REAR CAMERA GND
39	Y	REAR CAMERA IMAGE SIGNAL
40	W	REAR CAMERA IMAGE GND

Connector No.	B50
Connector Name	BSW CONTROL MODULE
Connector Type	TH3BFW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
6	B	GROUND
8	Y	BSW CAN-H
9	Y	BSW CAN-L
14	L	CAN-H
15	P	CAN-L
16	G	IGNITION

Connector No.	B57
Connector Name	TEL ADAPTER UNIT
Connector Type	TH3BFW-NH



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

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

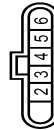
IGNITION POWER SUPPLY

Connector No.	B109
Connector Name	SIDE RADAR LH
Connector Type	IACOMFEB-WP-SP



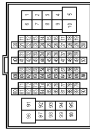
Terminal No.	Color Of Wire	Signal Name [Specification]
2	B	GROUND
3	Y	BSW COMM-L
4	L	BSW COMM-H
5	G	IGNITION
6	R	BSW INDICATOR

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



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

Connector No.	B501
Connector Name	WIRE TO WIRE
Connector Type	TH08FW-CS16-TM4



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

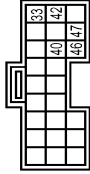
31	BR	-
32	V	-
33	V	-
34	SB	-
35	LG	-
36	P	-
37	R	-
38	R	-
39	L	-
40	LG	-
41	P	-
42	R	-
43	R	-
44	L	-
45	LG	-
46	P	-
47	R	-
48	R	-
49	L	-
50	LG	-
51	P	-
52	R	-
53	R	-
54	L	-
55	LG	-
56	P	-
57	R	-
58	R	-
59	L	-
60	LG	-
61	P	-
62	R	-
63	R	-
64	L	-
65	LG	-
66	P	-
67	R	-
68	R	-
69	L	-
70	LG	-
71	P	-
72	R	-
73	R	-
74	L	-
75	LG	-
76	P	-
77	R	-
78	R	-
79	L	-
80	LG	-
81	P	-
82	R	-
83	R	-
84	L	-
85	LG	-
86	P	-
87	R	-
88	R	-
89	L	-
90	LG	-
91	P	-
92	R	-
93	R	-
94	L	-
95	LG	-
96	P	-
97	R	-
98	R	-
99	L	-
100	LG	-



Connector No.	B214
Connector Name	OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT
Connector Type	TH08FW-1H

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

Connector No.	B249
Connector Name	BRAKE BOOSTER CONTROL UNIT
Connector Type	TH24ECY



Terminal No.	Color Of Wire	Signal Name [Specification]
33	Y	IGNITION
40	SB	IGNITION
42	G	IGNITION
46	B	GROUND
47	V	BRAKE HOLD RLY DRIVE SIGNAL

Connector No.	D1
Connector Name	WIRE TO WIRE
Connector Type	TH08FW-CS15



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

JRMWF4801GB

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY

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

Connector No.	D3
Connector Name	DOOR MIRROR (DRIVER SIDE)
Connector Type	TH24MW-H4

12	11	10	7	6	5	3	2
24	23	22	21	19	18	17	14

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

Connector No.	D31
Connector Name	WIRE TO WIRE
Connector Type	TH4DFW-CS15

15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
35	34	33	32	31	30	29	28	27	26	25	24	23	22	21

Terminal No.	Color Of Wire	Signal Name [Specification]
7	R	-
8	BR	-
9	V	-
12	P	-

13	LG	-
15	W	-
16	BR	-
17	B	-
18	R	-
19	Y	-
20	B	- [With BOSE audio]
21	R	- [Without BOSE audio]
21	BR	-
22	G	-
22	V	-
23	P	-
24	W	-
25	SB	-
28	SHIELD	-
30	W	-
31	LG	-
32	BR	-
33	O	-
34	GR	-
35	G	-
36	R	-
37	G	-
43	Y	-
44	V	-
45	P	-
46	W	-
49	SHIELD	-
52	GR	-
53	O	-
54	L	-
55	-	-

Connector No.	D33
Connector Name	DOOR MIRROR (PASSENGER SIDE)
Connector Type	TH24MW-H4

12	11	10	7	6	5	4	3
24	23	22	21	19	18	17	16

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

Connector No.	D101
Connector Name	WIRE TO WIRE
Connector Type	MD0FW-LC

3	2	1
6	5	4

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

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY

Connector No.	E2
Connector Name	FUSEBLE LINK HOLDER
Connector Type	LOGFY-MC



Terminal No.	3
Color Of Wire	R



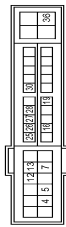
Terminal No.	1
Color Of Wire	R

Connector No.	E1
Connector Name	FUSEBLE LINK HOLDER
Connector Type	LOGFBR-MC



Terminal No.	1
Color Of Wire	R

Connector No.	E5
Connector Name	FROM E/R INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	TH08FW-CS12-M4-1V



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

Connector No.	E6
Connector Name	FROM E/R INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	TH08FW-M4



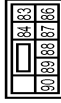
Terminal No.	Color Of Wire	Signal Name [Specification]
1	P	-
2	P	-
3	P	-
4	L	-
5	L	-
6	L	-
7	B/W	-
8	B/W	-
9	B/W	-
10	B/W	-
11	B/W	-
12	B/W	-
13	B/W	-
14	B/W	-
15	B/W	-
16	B/W	-
17	B/W	-
18	B/W	-
19	B/W	-
20	B/W	-
21	B/W	-
22	B/W	-
23	B/W	-
24	B/W	-
25	B/W	-
26	B/W	-
27	B/W	-
28	B/W	-
29	B/W	-
30	B/W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

Connector No.	E7
Connector Name	FROM E/R INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	TH08FW-CS12-M4



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

Connector No.	E8
Connector Name	FROM E/R INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	NS08FW-CS



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

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY

Connector No.	Wire	Signal Name [Specification]
88	GR	-
89	GR	-
90	P	-

Connector No.	Wire	Signal Name [Specification]
E12	-	-
Connector Name	FUSE AND FUSIBLE LINK BLOCK	
Connector Type	24381 7960A	



Terminal No.	Color	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	-	-
35	GR	-	-
36	GR	-	-
37	GR	-	-
38	GR	-	-
39	GR	-	-
40	GR	-	-
41	GR	-	-
42	GR	-	-
43	GR	-	-
44	GR	-	-
45	GR	-	-
46	GR	-	-
47	GR	-	-
48	GR	-	-
49	GR	-	-
50	GR	-	-
51	GR	-	-
52	GR	-	-

Terminal No.	Color	Wire	Signal Name [Specification]
31	LG	-	-
32	P	-	-
33	EG	-	-
34	Y	-	-
35	R	-	-
36	R	-	-
37	R	-	-
38	R	-	-
39	R	-	-
40	R	-	-
41	R	-	-
42	R	-	-
43	R	-	-
44	R	-	-
45	R	-	-
46	R	-	-
47	R	-	-
48	R	-	-
49	R	-	-
50	R	-	-
51	R	-	-
52	R	-	-

Connector No.	Wire	Signal Name [Specification]
E13	-	-
Connector Name	WIRE TO WIRE	
Connector Type	SA438MB-RSF-SH2B	



Terminal No.	Color	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	-	-
35	GR	-	-
36	GR	-	-
37	GR	-	-
38	GR	-	-
39	GR	-	-
40	GR	-	-
41	GR	-	-
42	GR	-	-
43	GR	-	-
44	GR	-	-
45	GR	-	-
46	GR	-	-
47	GR	-	-
48	GR	-	-
49	GR	-	-
50	GR	-	-
51	GR	-	-
52	GR	-	-

Terminal No.	Color	Wire	Signal Name [Specification]
1	L/V	-	-
2	SHIELD	-	-
3	L/R	-	-
4	SHIELD	-	-
5	BR	-	-
7	G	-	-
8	W	-	-
9	W	-	-
10	Y	-	-
11	P	-	-
12	SB	-	-
13	L	-	-
14	G	-	-
15	R	-	-
16	LG	-	-
18	Y	-	-
19	BG	-	-
20	B	-	-
21	SB	-	-
22	W	-	-
23	L	-	-
24	G	-	-
25	LG	-	-
27	GR	-	-
28	V	-	-
29	P	-	-
30	BR	-	-
32	Y	-	-
33	G	-	-
34	BG	-	-
37	SHIELD	-	-
38	L	-	-
39	P	-	-
40	R	-	-
41	W	-	-
42	LG	-	-
43	G	-	-
45	BG	-	-
46	SHIELD	-	-
47	W	-	-
48	GR	-	-
49	G	-	-
50	B	-	-
51	SB	-	-
52	R	-	-

Connector No.	Wire	Signal Name [Specification]
E17	-	-
Connector Name	COOLING FAN RELAY	
Connector Type	24347 95300	



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

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

Connector No.	Wire	Signal Name [Specification]
E26	-	-
Connector Name	HEADLAMP AIMING MOTOR RH	
Connector Type	H503FGY	



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

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

Connector No.	Wire	Signal Name [Specification]
E41	-	-
Connector Name	ABS ACTUATOR AND ELECTRIC UNIT CONTROL UNIT	
Connector Type	B3442FB-4A24-LH	



Terminal No.	Color	Wire	Signal Name [Specification]
1	B	-	-
2	G	-	-
3	G	-	-
4	B	-	-
5	Y	-	-
6	EG	-	-
7	BR	-	-
9	B	-	-
10	W	-	-
12	L	-	-
14	P	-	-
15	SHIELD	-	-
19	P	-	-
25	Y	-	-
28	LG	-	-
29	GR	-	-
30	G	-	-
38	LG	-	-
39	SB	-	-
31	R	-	-
35	L	-	-
45	B	-	-

Terminal No.	Color	Wire	Signal Name [Specification]
1	B	-	-
2	G	-	-
3	G	-	-
4	B	-	-
5	Y	-	-
6	EG	-	-
7	BR	-	-
9	B	-	-
10	W	-	-
12	L	-	-
14	P	-	-
15	SHIELD	-	-
19	P	-	-
25	Y	-	-
28	LG	-	-
29	GR	-	-
30	G	-	-
38	LG	-	-
39	SB	-	-
31	R	-	-
35	L	-	-
45	B	-	-

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

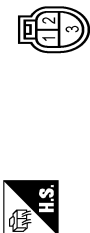
[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY

Connector No.	E42
Connector Name	FRONT WIPER MOTOR
Connector Type	HS02FGY

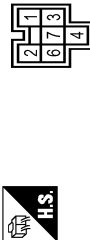


Connector No.	E58
Connector Name	HEADLAMP AIMING MOTOR LH
Connector Type	HS03FGY



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

Connector No.	E50
Connector Name	ICC BRAKE HOLD RELAY
Connector Type	HS02FGY-R-US



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

Connector No.	E67
Connector Name	ICC SENSOR INTEGRATED UNIT
Connector Type	HS04FB-PR



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

Connector No.	E101
Connector Name	FUSE BLOCK (J/B)
Connector Type	LS16FW-MC



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

Connector No.	E102
Connector Name	FUSE BLOCK (J/B)
Connector Type	MS02FB-LC



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

Connector No.	E103
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS16FW-CS



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

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



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

JRMWF4805GB

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY

Connector No.	E106
Wire To Wire	WIRE TO WIRE
Connector Name	THROTTLE CABLE TMA4
Connector Type	



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

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

97	R	-
98	SHIELD	-
99	W	-
100	P	-

Connector No.	E109
Connector Name	ASCOD BRAKE SWITCH
Connector Type	IMP2 BR-LC



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

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

Connector No.	E110
Connector Name	STOP LAMP SWITCH
Connector Type	IMP2V-LC



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

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

Connector No.	E113
Connector Name	ACCELERATOR PEDAL ACTUATOR
Connector Type	KDZ06B



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

Connector No.	E120
Connector Name	FAULT CODE / OUTSIDE COOLANT TEMP SENSOR
Connector Type	RHD06B



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

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

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

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY

Connector No.	F21
Connector Name	FUEL INJECTOR No. 1
Connector Type	HS02FGY



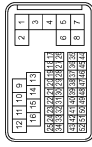
Connector No.	F23
Connector Name	FUEL INJECTOR No. 3
Connector Type	HS02FGY



Connector No.	F25
Connector Name	FUEL INJECTOR No. 5
Connector Type	HS02FGY



Connector No.	F40
Connector Name	WIRE TO WIRE
Connector Type	SAAS9FB-RSS-SUZS



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

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

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

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

Connector No.	F22
Connector Name	FUEL INJECTOR No. 2
Connector Type	HS02FGY



Connector No.	F24
Connector Name	FUEL INJECTOR No. 4
Connector Type	HS02FGY



Connector No.	F26
Connector Name	FUEL INJECTOR No. 6
Connector Type	HS02FGY



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

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

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

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY

TERMINAL TO OTHER CONNECTOR			
42	GR	-	
43	R	-	
45	O		
46	SHIELD	-	
47	W/L	-	
48	LG		
49	O/L	-	
50	L/Y	-	
51	W		
52	L/G	-	

Connector No.	F43
Connector Name	COMPRESSOR
Connector Type	RS01FR



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

Connector No.	F44
Connector Name	COMPRESSOR
Connector Type	RK02FGY



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

Terminal No.	Color	Wire	Signal Name [Specification]
17	P	-	HEATED OXYGEN SENSOR 2 HEATER (BANK 1)
18	W	-	INT CONTROL MOTOR (BANK 1)
19	SB	-	IGNITION SIGNAL #1
20	Y	-	IGNITION SIGNAL #2
21	GR	-	EVAP CANISTER PUMP VALVE CONTROL SOLENOID VALVE
22	R	-	FUEL PUMP RELAY
24	P	-	ECM RELAY (SELF SHUT-OFF)
25	O	-	THROTTLE CONTROL MOTOR RELAY
28	BR	-	VEHICLE SPEED SENSOR RELAY (ABOVE SERIAL VEHICLE CONTROL MODULE)
29	G	-	INT CONTROL SOLENOID VALVE (BANK 2)
30	Y	-	THROTTLE POSITION SENSOR 1 (BANK 1)
31	R	-	THROTTLE POSITION SENSOR 2 (BANK 1)
33	SB	-	HEATED OXYGEN SENSOR 2 HEATER (BANK 2)
34	B	-	THROTTLE POSITION SENSOR 2 (BANK 2)
35	W	-	THROTTLE POSITION SENSOR 2 (BANK 2)
36	Y	-	CRANKSHAFT POSITION SENSOR (POS)
37	W	-	CRANKSHAFT POSITION SENSOR (POS)
38	O	-	MANIFOLD ABSOLUTE PRESSURE (MAP) SENSOR
39	P	-	BRAKE BOOSTER PRESSURE SENSOR
40	R	-	SENSOR GROUND
43	G	-	SENSOR POWER SUPPLY
44	L	-	SENSOR POWER SUPPLY
45	LG	-	SENSOR POWER SUPPLY
46	R	-	SENSOR POWER SUPPLY
47	Y	-	SENSOR GROUND
48	B	-	SENSOR GROUND

Connector No.	F102
Connector Name	ECM
Connector Type	RH40FR8-B78-I -I H-7

Terminal No.	Color	Wire	Signal Name [Specification]
1	W	-	A/F SENSOR 1 HEATER (BANK 1)
2	G	-	THROTTLE CONTROL MOTOR (BANK 1) (OPEN)
3	GR	-	THROTTLE CONTROL MOTOR (BANK 1) (CLOSE)
4	GR	-	THROTTLE CONTROL MOTOR (BANK 1) (CLOSE)
5	W	-	A/F SENSOR 1 HEATER (BANK 2)
6	B	-	ECM GROUND
7	GR	-	IGNITION SIGNAL #4
8	L	-	IGNITION SIGNAL #5
9	V	-	IGNITION SIGNAL #6
10	G	-	IGNITION SIGNAL #2

Terminal No.	Color	Wire	Signal Name [Specification]
1	W	-	A/F SENSOR 1 HEATER (BANK 1)
2	G	-	THROTTLE CONTROL MOTOR (BANK 1) (OPEN)
3	GR	-	THROTTLE CONTROL MOTOR (BANK 1) (CLOSE)
4	GR	-	THROTTLE CONTROL MOTOR (BANK 1) (CLOSE)
5	W	-	A/F SENSOR 1 HEATER (BANK 2)
6	B	-	ECM GROUND
7	GR	-	IGNITION SIGNAL #4
8	L	-	IGNITION SIGNAL #5
9	V	-	IGNITION SIGNAL #6
10	G	-	IGNITION SIGNAL #2

Terminal No.	Color	Wire	Signal Name [Specification]
60	G	-	SENSOR POWER SUPPLY
61	R	-	SENSOR POWER SUPPLY
62	L	-	CAMSHAFT POSITION SENSOR (BANK 2)
64	SB	-	SENSOR POWER SUPPLY
65	LG	-	A/F SENSOR 1 (BANK 2)
66	V	-	A/F SENSOR 1 (BANK 2)
67	P	-	INTAKE AIR TEMPERATURE SENSOR
68	LG	-	SENSOR GROUND
69	W	-	KNICK SENSOR (BANK 2)
71	Y	-	ENGINE COOLANT TEMPERATURE SENSOR
72	SHIELD	-	SENSOR GROUND
73	W	-	KNICK SENSOR (BANK 1)
76	W	-	HEATED OXYGEN SENSOR 2 (BANK 1)
77	SB	-	MASS AIR FLOW SENSOR (BANK 1)
78	G	-	ENGINE OIL TEMPERATURE SENSOR
79	BR	-	HEATED OXYGEN SENSOR 2 (BANK 2)
81	R	-	FUEL INJECTOR #3
82	V	-	FUEL INJECTOR #4
84	B	-	SENSOR GROUND
85	BR	-	FUEL INJECTOR #2
86	W	-	FUEL INJECTOR #5
87	Y	-	POWER STEERING PRESSURE SENSOR
89	GR	-	FUEL INJECTOR #1
90	O	-	FUEL INJECTOR #4
91	SB	-	BATTERY CURRENT SENSOR
92	G	-	SENSOR GROUND
93	P	-	POWER SUPPLY FOR ECM (BACK-UP)
94	Y	-	SENSOR GROUND
95	G	-	SENSOR GROUND
96	P	-	SENSOR GROUND

Connector No.	F103
Connector Name	WIRE TO WIRE
Connector Type	TK3REW-N510



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

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

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY

Connector No.	F105
Connector Name	WIRE TO WIRE
Connector Type	TH08BW-NH



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

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



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

Connector No.	F121
Connector Name	HEATED OXYGEN SENSOR 2 (BANK 2)
Connector Type	RH04MB



Terminal No.	Color Of Wire	Signal Name [Specification]
1	LG	SENSOR(-)
2	LG	HEATER(-)
3	SR	HEATER(-)
4	O	SENSOR(+)

Connector No.	F122
Connector Name	HEATED OXYGEN SENSOR 2 (BANK 1)
Connector Type	RH04MB



Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	SENSOR(-)
2	R	HEATER(+)
3	P	HEATER(-)
4	W	SENSOR(+)

Connector No.	F123
Connector Name	AIR FUEL RATIO (A/F) SENSOR (BANK 1)
Connector Type	RH04DGY-P



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	AFC(+)
2	R	AFC(-)
3	W	HEATER(-)
4	Y	HEATER(+)

Connector No.	F124
Connector Name	AIR FUEL RATIO (A/F) SENSOR (BANK 2)
Connector Type	RH04DGY-P



Terminal No.	Color Of Wire	Signal Name [Specification]
1	LG	AFC(+)
2	V	AFC(-)
3	W	HEATER(-)
4	Y	HEATER(+)

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY

Connector No.	F301
Connector Name	TCM
Connector Type	SPUEG



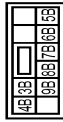
Terminal No.	Color Of Wire	Signal Name [Specification]
1	-	IGNITION POWER SUPPLY
2	-	BATTERY POWER SUPPLY
3	-	CAN-L
4	-	K-LINE
5	-	GROUND
6	-	IGNITION POWER SUPPLY
7	-	BACK-UP LAMP RELAY
8	-	CAN-L
9	-	STARTER RELAY
10	-	GROUND

Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS05PW-M2



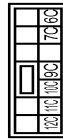
Terminal No.	Color Of Wire	Signal Name [Specification]
1A	Y	-
2A	G	-
3A	L	-
4A	R	-
5A	Y	-
6A	Y	-
7A	R	-
8A	L	-

Connector No.	M2
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS10PW-CS



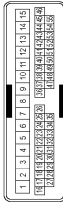
Terminal No.	Color Of Wire	Signal Name [Specification]
1B	P	-
2B	R	-
3B	BG	-
4B	Y	-
5B	P	-
6B	R	-
7B	SB	-
8B	SB	-

Connector No.	M3
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS12PW-CS



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

Connector No.	M5
Connector Name	WIRE TO WIRE
Connector Type	TH40MM-CS15



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



Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TH80MM-CS16-TM4

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

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY

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

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

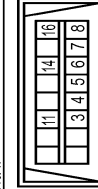
Connector No.	M16
Connector Name	AFS CONTROL UNIT
Connector Type	TH440FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	IGN
2	LG	PSGR
3	P	PSGR
4	W	USV-R
7	P	CAN-L
8	B	HSG-R
9	GR	PS-R
11	R	SMF-1 (-)
13	B	SMF-2 (-)
15	G	SMF-1 (+)

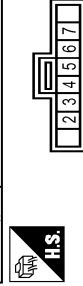
17	W	SML-2 (-)
19	SB	AMDS-R
24	V	PSV-L
25	B	GROUND
27	BR	PSG-L
28	EG	HS-R
29	EG	PS-L
30	L	CAN-H
32	G	SMR-2 (+)
34	W	SMR-1 (+)
36	R	SML-2 (+)
38	B	SML-1 (-)
40	L	AMDS-L

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



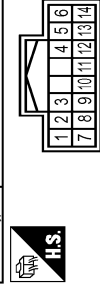
Terminal No.	Color Of Wire	Signal Name [Specification]
3	LG	-
4	B	-
5	B	-
6	L	-
7	V	-
8	G	-
11	SB	-
14	P	-
16	Y	-

Connector No.	M29
Connector Name	WARNING SYSTEMS SWITCH
Connector Type	TK08FCY



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

Connector No.	M33
Connector Name	COMBINATION SWITCH
Connector Type	TH16FW-NH



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

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY

Connector No.	M67
Connector Name	STEERING ANGLE SENSOR
Connector Type	TH05FW-NH



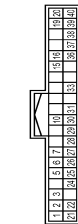
Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	IGN-+H
2	P	IGN-+H
3	B	GROUND
4	G	IGN

Connector No.	M45
Connector Name	LANE DEPARTURE WARNING BUZZER
Connector Type	NSMFR-C5



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

Connector No.	M63
Connector Name	COMBINATION METER
Connector Type	TH40FW-NH



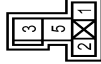
Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	BATTERY POWER SUPPLY
2	GR	COMMUNICATION SIGNAL (LGD-AMP)
3	GR	COMMUNICATION SIGNAL (AMP-METER)
4	B	GROUND
5	B	GROUND
6	P	ALTERNATOR SIGNAL
7	BR	AIR BAG SIGNAL
8	G	SECURITY SIGNAL
9	G	SECURITY SIGNAL
10	G	SECURITY SIGNAL
11	B	GROUND
12	B	METER CONTROL SWITCH GROUND
13	B	ILL GND
14	B	ILL GND
15	B	ILL GND
16	B	ILL GND
17	B	ILL GND
18	B	ILL GND
19	B	ILL GND
20	R	IGNITION SIGNAL
21	EG	GROUND
22	B	GROUND
23	BR	COMMUNICATION SIGNAL (LGD-AMP)
24	GR	COMMUNICATION SIGNAL (LGD-AMP)
25	GR	COMMUNICATION SIGNAL (LGD-AMP)
26	GR	COMMUNICATION SIGNAL (LGD-AMP)
27	V	WASHER FLUID LEVEL SWITCH SIGNAL
28	W	WASHER FLUID LEVEL SWITCH SIGNAL
29	W	WASHER FLUID LEVEL SWITCH SIGNAL
30	SB	SEAT BELT BUCKLE SWITCH SIGNAL (DRIVER SIDE)
31	G	SEAT BELT BUCKLE SWITCH SIGNAL (PASSENGER SIDE)
32	L	WASHER FLUID LEVEL SWITCH SIGNAL
33	B	ILLUMINATION CONTROL SIGNAL
34	LQ	SELECT SWITCH SIGNAL
35	SB	ENTER SWITCH SIGNAL
36	L	TRIP A/B RESET SWITCH SIGNAL
37	P	ILLUMINATION CONTROL SWITCH SIGNAL (-)
38	P	ILLUMINATION CONTROL SWITCH SIGNAL (-)
39	P	ILLUMINATION CONTROL SWITCH SIGNAL (-)
40	BQ	ILLUMINATION CONTROL SWITCH SIGNAL (+)

Connector No.	M67
Connector Name	UNIFIED METER AND A/C AMP.
Connector Type	TH02FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
41	V	ACC POWER SUPPLY
42	V	FUEL LEVEL SENSOR SIGNAL
43	R	INTAKE SENSOR SIGNAL
44	LG	IN-VEHICLE SENSOR SIGNAL
45	P	AMBIENT SENSOR SIGNAL
46	EG	SUNLOAD SENSOR SIGNAL
47	G	EXHAUST GAS / OUTSIDE DOOR DETECTING SENSOR SIGNAL
48	G	IGNITION POWER SUPPLY
49	Y	BATTERY POWER SUPPLY
50	B	GROUND
51	L	CAN-H
52	W	WASHER FLUID LEVEL SWITCH SIGNAL
53	BR	FUEL LEVEL SENSOR GROUND
54	GR	INTAKE SENSOR GROUND
55	GR	IN-VEHICLE SENSOR GROUND
56	SB	SEAT BELT BUCKLE SWITCH SIGNAL (DRIVER SIDE)
57	SB	SEAT BELT BUCKLE SWITCH SIGNAL (PASSENGER SIDE)
58	R	WASHER FLUID LEVEL SWITCH SIGNAL
59	EG	SUNLOAD SENSOR SIGNAL
60	EG	SUNLOAD SENSOR SIGNAL
61	EG	SUNLOAD SENSOR SIGNAL
62	EG	SUNLOAD SENSOR SIGNAL
63	R	WASHER FLUID LEVEL SWITCH SIGNAL
64	EG	SUNLOAD SENSOR SIGNAL
65	EG	SUNLOAD SENSOR SIGNAL
66	L	A/C LAN SIGNAL
67	L	A/C LAN SIGNAL
68	R	EACH DOOR MOTOR POWER SUPPLY
69	B	GROUND
70	P	CAN-L
71	P	CAN-L
72	P	CAN-L

Connector No.	M69
Connector Name	BACK-UP LAMP RELAY
Connector Type	MS02FL-MP-LG



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

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



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

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

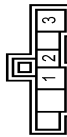
IGNITION POWER SUPPLY

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



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

Connector No.	M109
Connector Name	BLOWER MOTOR
Connector Type	NS02FW-M3



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

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



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

Connector No.	M117
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-GS16-TM4



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

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

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



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	BAT (7/L)
2	W	POWER WINDOW POWER SUPPLY(BAT)
3	Y	POWER WINDOW POWER SUPPLY(GRD)

JRMWF4813GB

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY

Connector No.	M119
Connector Name	BOM (BODY CONTROL MODULE)
Connector Type	INSIDEW-CS



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

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

Connector No.	M121
Connector Name	BOM (BODY CONTROL MODULE)
Connector Type	TH40FCV-NH



11	13	14	15	17	18	19
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Terminal No.	Color Of Wire	Signal Name [Specification]
35	SB	LUGGAGE ROOM ANT+
36	V	LUGGAGE ROOM ANT-
38	B	BACK DOOR ANT+
39	W	BACK DOOR ANT-
47	Y	IGN RELAY IPDM E/R CONT
52	SB	STARTER RELAY CONT
60	BR	PUSH SW

81	W	BACK DOOR OPENER REQUEST SW
84	V	TRUNK LOCK (TRUCK)
85	BG	REAR WIPER STOP POSITION
86	R	BACK DOOR SW
87	GR	BACK DOOR OPENER SW
88	BR	REAR RH DOOR SW
89	R	REAR LH DOOR SW

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



81	84	85	86	87	88	89
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Terminal No.	Color Of Wire	Signal Name [Specification]
74	SB	PASSENGER DOOR ANT-
75	GR	PASSENGER DOOR ANT+
76	V	DRIVER DOOR ANT-
77	LG	DRIVER DOOR ANT+
78	Y	ROOM ANT-
79	BR	ROOM ANT+
80	BR	ROOM ANT
81	W	MOIS ANT AMP
82	R	IGN RELAY (F/R) CONT
83	Y	KEYLESS ENTRY RECEIVER COMM
87	BR	COMBI SW INPUT 5
88	V	COMBI SW INPUT 3
90	P	CAN-L
91	L	CAN-H
92	LG	KEY SLOT ILL CONT
93	V	ON IND
94	Y	PUDDLE LAMP CONT
95	BG	ACC RELAY CONT
96	GR	A/T SHFT SELECTOR POWER SUPPLY
98	R	SHIFT REQUEST SW
100	SB	PASSENGER DOOR REQUEST SW
102	BG	DRIVER DOOR REQUEST SW
103	LG	BLOWER FAN MOTOR RELAY CONT
107	LG	KEYLESS ENTRY RECEIVER POWER SUPPLY
109	R	COMBI SW INPUT 1
109	R	COMBI SW INPUT 4
109	Y	COMBI SW INPUT 2

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



110	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151
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Terminal No.	Color Of Wire	Signal Name [Specification]
113	P	OPTICAL SENSOR
118	SB	STOP LAMP SW 1
119	SB	STOP LAMP SW 2
121	BR	DR DOOR UNLOCK SENSOR
123	W	KEY SLOT SW
124	LG	IGN F/B
132	BR	PASSENGER DOOR SW
133	W	POWER WINDOW SW COMM
134	GR	PUSH-BUTTON IGNITION SW ILL POWER
137	BG	LOCK IND
138	Y	RECEIVER SENSOR GND
139	Y	RECEIVER SENSOR POWER SUPPLY
140	GR	THE PRESSURE SWITCH
141	GR	SECURITY IND LAMP CONT
142	BG	COMBI SW OUTPUT 5
143	P	COMBI SW OUTPUT 1
144	G	COMBI SW OUTPUT 2
145	L	COMBI SW OUTPUT 3
146	SB	COMBI SW OUTPUT 4
150	LG	DRIVER DOOR SW
151	G	REAR WINDOW DEFROGGER RELAY CONT

Connector No.	M124
Connector Name	WIRE TO WIRE
Connector Type	TH40MHC-CS15



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
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

Terminal No.	Color Of Wire	Signal Name [Specification]
7	Y	-
8	LG	-
9	Y	-
12	Y	-
13	V	-
14	B	-
15	W	-
16	BR	-
17	B	-
18	R	-
19	B	-
20	W	- (Without BOSE audio)
20	W	- (With BOSE audio)
21	G	- (Without BOSE audio)
21	G	- (With BOSE audio)
22	SB	-
22	GR	-
24	G	-
25	Y	-
26	R	-
29	SHIELD	-
30	W	-
31	LG	-
32	G	-
33	BR	-
34	V	-
35	Y	-
36	Y	-
37	BR	-
38	Y	-
43	Y	-
45	R	-
46	W	-
47	SHIELD	-
52	R	-
53	G	-

POWER SUPPLY ROUTING CIRCUIT

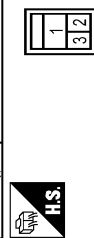
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY

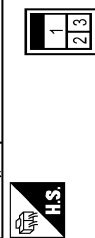
Terminal No.	Color Of Wire	Signal Name [Specification]
84	W	WIRE TO WIRE
85	BG	WIRE TO WIRE

Connector No.	Connector Name	Connector Type
M125	WIRE TO WIRE	M125
M125	WIRE TO WIRE	M125



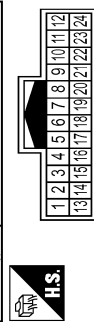
Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	WIRE TO WIRE
2	Y	WIRE TO WIRE
3	R	WIRE TO WIRE

Connector No.	Connector Name	Connector Type
M126	WIRE TO WIRE	M126
M126	WIRE TO WIRE	M126



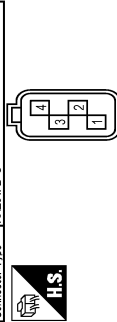
Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	WIRE TO WIRE
2	Y	WIRE TO WIRE
3	R	WIRE TO WIRE

Connector No.	Connector Name	Connector Type
M134	WIRE TO WIRE	M134
M134	WIRE TO WIRE	M134



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

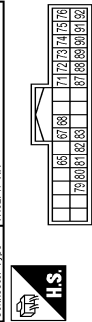
Connector No.	Connector Name	Connector Type
M143	YAW RATE / SIDE G SENSOR	M143
M143	YAW RATE / SIDE G SENSOR	M143



Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	WIRE TO WIRE
2	Y	WIRE TO WIRE
3	SB	WIRE TO WIRE

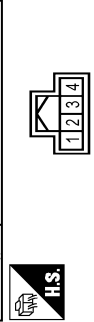
Terminal No.	Color Of Wire	Signal Name [Specification]
4	G	WIRE TO WIRE

Connector No.	Connector Name	Connector Type
M151	AV CONTROL UNIT	M151
M151	AV CONTROL UNIT	M151



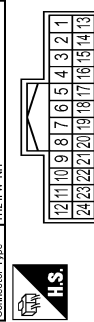
Terminal No.	Color Of Wire	Signal Name [Specification]
65	V	WIRE TO WIRE
66	G	WIRE TO WIRE
67	R	WIRE TO WIRE
68	R	WIRE TO WIRE
71	SHIELD	WIRE TO WIRE
72	R	WIRE TO WIRE
73	R	WIRE TO WIRE
74	P	WIRE TO WIRE
75	LG	WIRE TO WIRE
76	LG	WIRE TO WIRE
79	R	WIRE TO WIRE
80	G	WIRE TO WIRE
81	G	WIRE TO WIRE
82	R	WIRE TO WIRE
83	SHIELD	WIRE TO WIRE
87	G	WIRE TO WIRE
88	SHIELD	WIRE TO WIRE
89	G	WIRE TO WIRE
90	L	WIRE TO WIRE
91	SB	WIRE TO WIRE
92	SB	WIRE TO WIRE

Connector No.	Connector Name	Connector Type
M160	IGNIZER	M160
M160	IGNIZER	M160



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

Connector No.	Connector Name	Connector Type
M170	WIRE TO WIRE	M170
M170	WIRE TO WIRE	M170



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

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY

Connector No.	M177
Connector Name	HEATED SEAT SWITCH (DRIVER SIDE)
Connector Type	TK08FW



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

Connector No.	M177
Connector Name	HEATED SEAT SWITCH (DRIVER SIDE)
Connector Type	TK08FW



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

Connector No.	M178
Connector Name	HEATED SEAT SWITCH (PASSENGER SIDE)
Connector Type	TK08FB



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

Connector No.	M188
Connector Name	ICC WARNING CHIME
Connector Type	JA03FW



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

Connector No.	M213
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	NR08V-EX



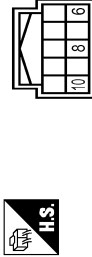
Terminal No.	Color Of Wire	Signal Name [Specification]
23	Y	INFLATOR ASS+
24	Y	INFLATOR ASS-
25	Y	INFLATOR ASS-
26	Y	INFLATOR ASS+
27	B	GND
28	Y	INFLATOR DR2+
29	Y	INFLATOR DR1-4DR2-
30	Y	INFLATOR DR1+
31	V	EC25-
32	BR	SIDE SENS RH2-
34	G	SIDE SENS LH2-
35	BR	A/B W/L
36	G	SEATBELT W/L
38	SHIELD	GND
39	SB	EC25-
41	Y	SIDE SENS RH2+
42	Y	SIDE SENS LH2+
44	R	SIDE SENS LH2+
45	P	CAN L
46	L	CAN H
47	R	A/B CUTOFF TELLTALE
50	R	IGN

Connector No.	M217
Connector Name	AV CONTROL UNIT
Connector Type	TH03FW-NH



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

Connector No.	R3
Connector Name	AUTO ANTI-FLASHING INSIDE MIRROR
Connector Type	TH03FB-NH



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

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY

Connector No.	R6
Connector Name	AUTO ANTI-DAZZLING INSIDE MIRROR
Connector Type	JJA4D7B



Terminal No.	Color Of Wire	Signal Name [Specification]
6	B	—
7	W	—

Connector No.	R10
Connector Name	LANE CAMERA UNIT
Connector Type	TH06YH-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	GROUND
2	SB	WARNING SYSTEMS ON INDICATOR
3	V	WARNING SYSTEMS SWITCH
4	L	CAN-H
5	B	GROUND
6	R	LANE DEPARTURE WARNING BUZZER
7	Y	IGNITION POWER SUPPLY
8	P	CAN-L

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POWER SUPPLY ROUTING CIRCUIT

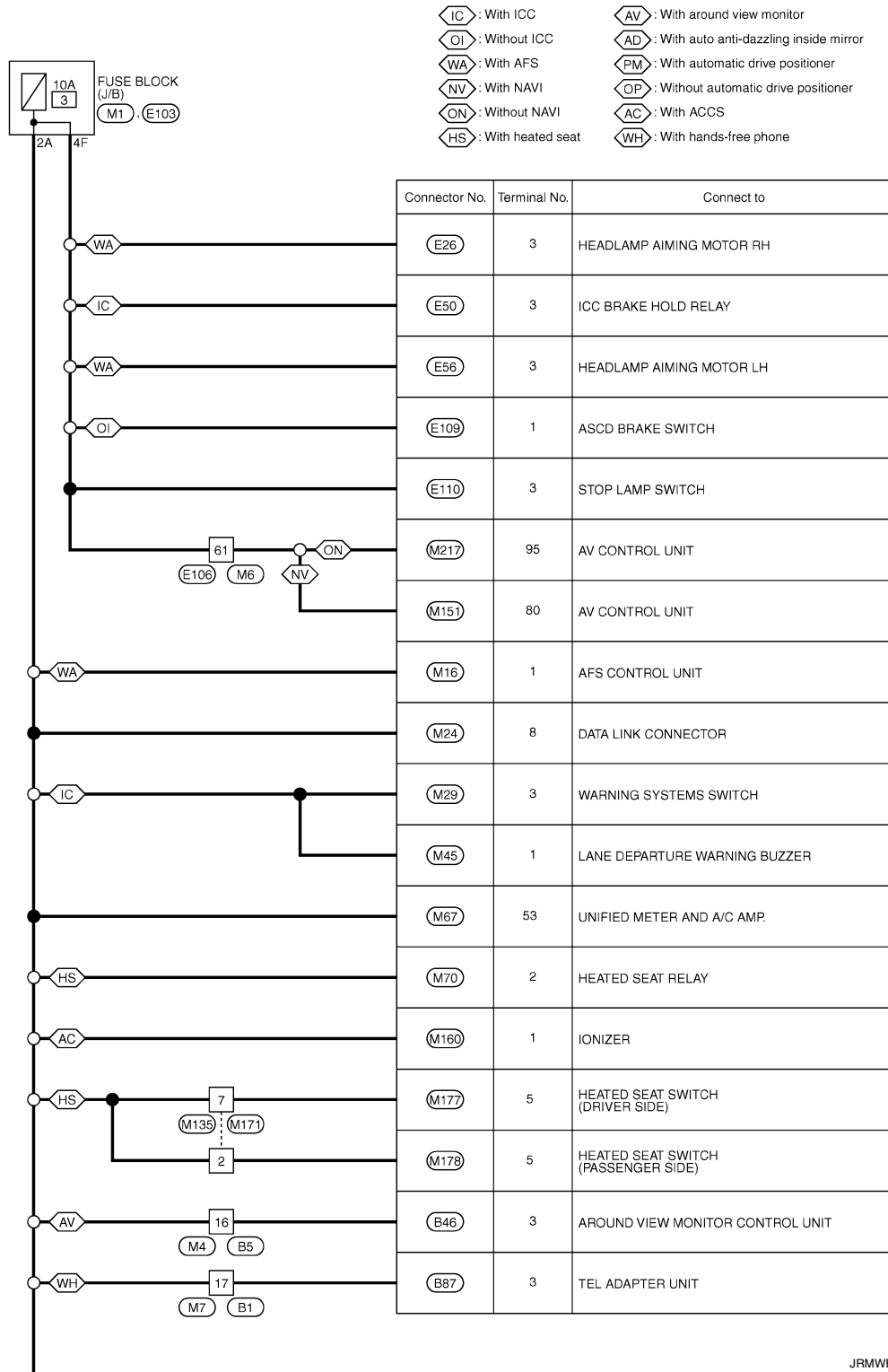
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[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 3 -

INFOID:000000010594928

IGNITION POWER SUPPLY FUSE No. 3

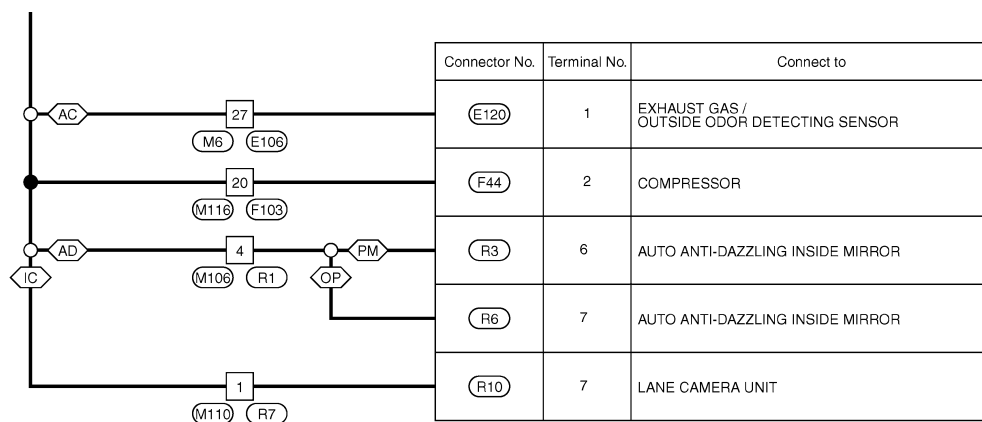


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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]



2014/03/21

JRMWF4635GB

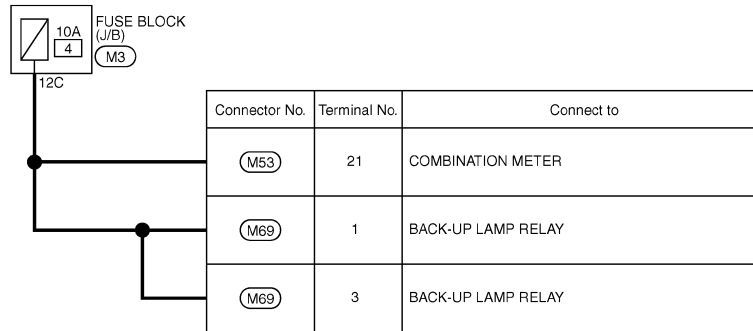
POWER SUPPLY ROUTING CIRCUIT

< 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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2008/08/28

JCMWA3210GB

POWER SUPPLY ROUTING CIRCUIT

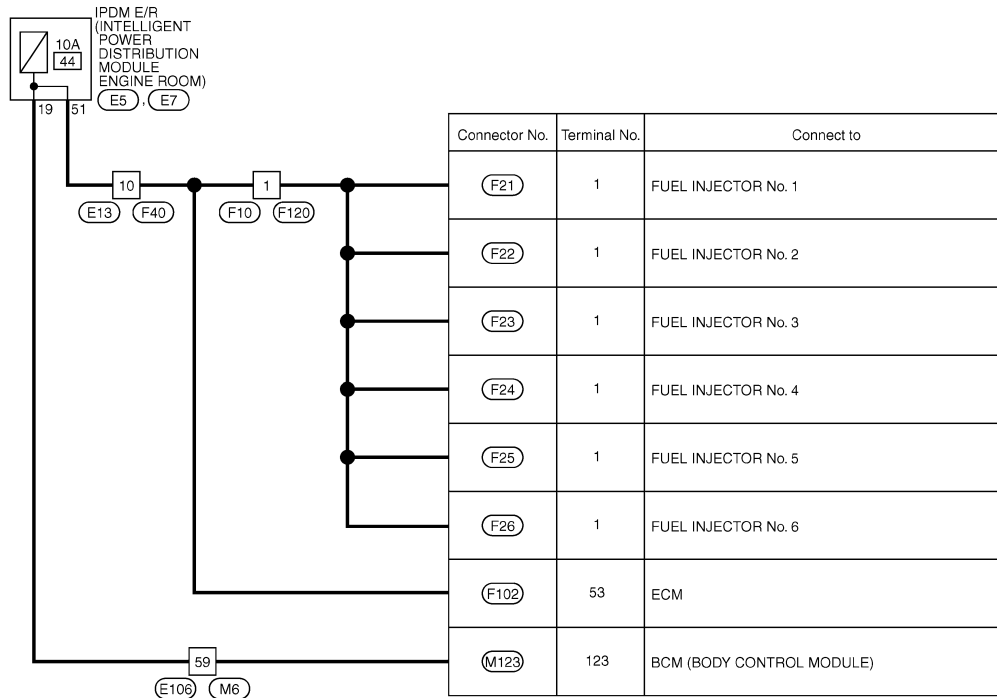
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 44 -

INFOID:000000010594930

IGNITION POWER SUPPLY FUSE No. 44



2012/06/11

JRMWD2735GB

POWER SUPPLY ROUTING CIRCUIT

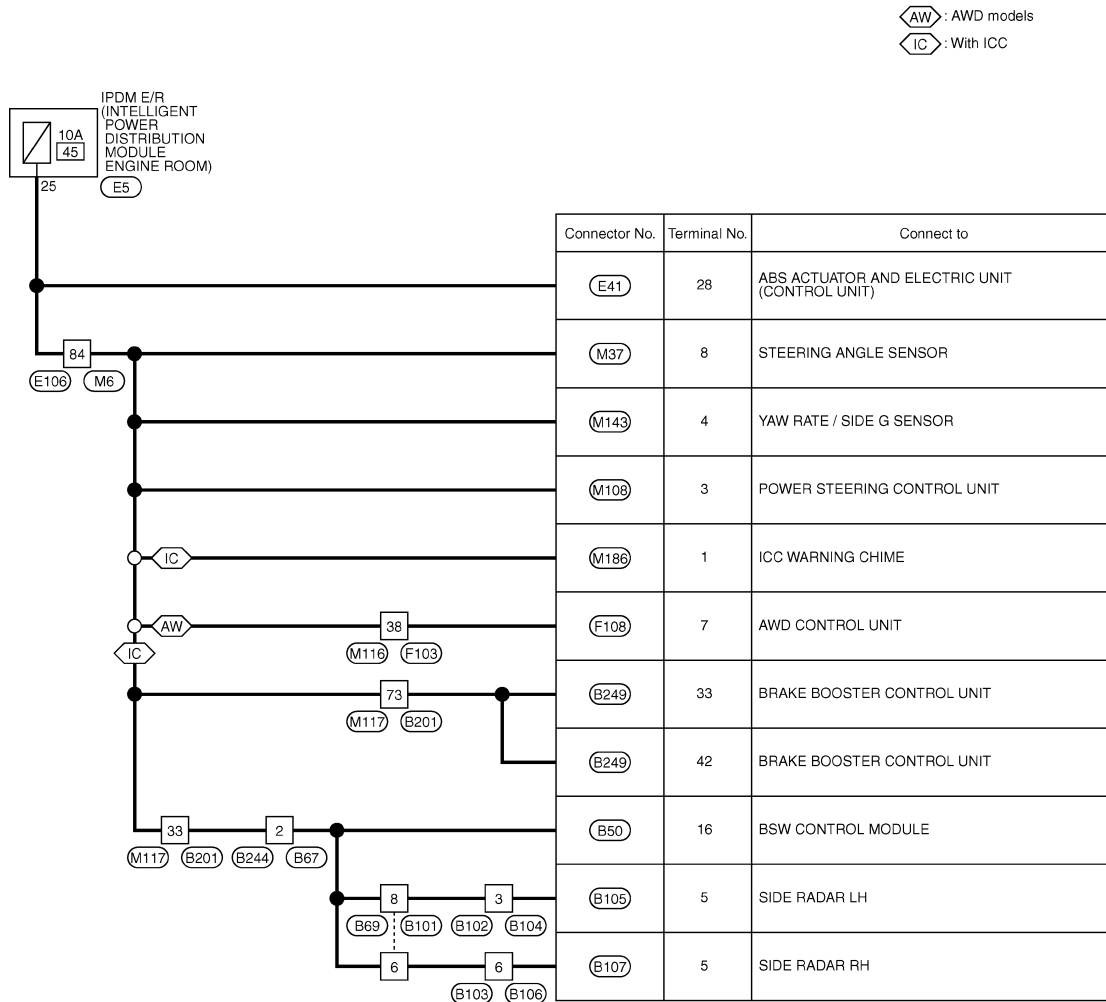
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[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 45 -

INFOID:000000010594931

IGNITION POWER SUPPLY FUSE No. 45



2010/09/21

JCMWA6284GB

POWER SUPPLY ROUTING CIRCUIT

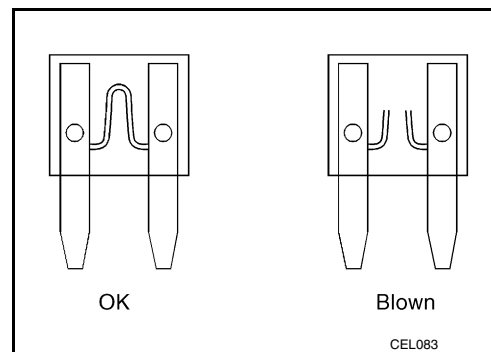
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[POWER SUPPLY & GROUND CIRCUIT]

Fuse

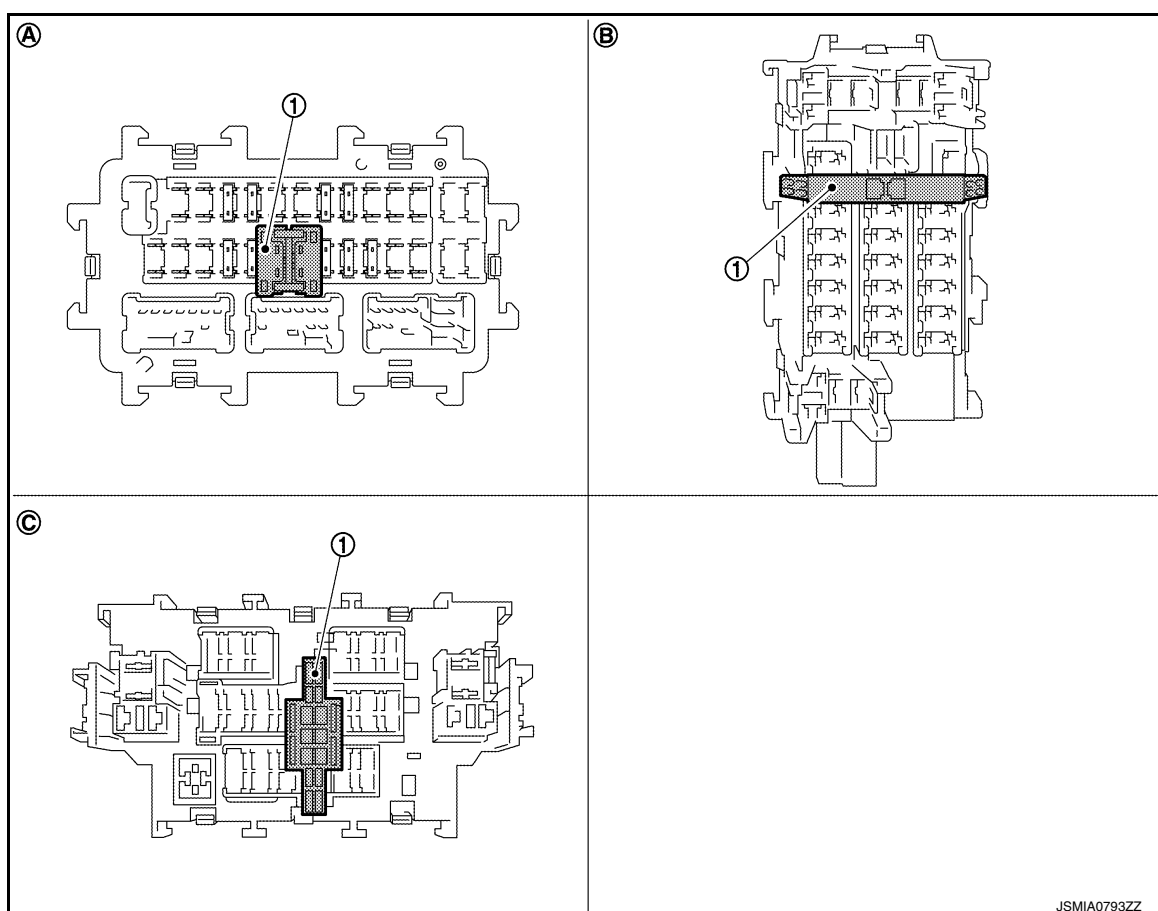
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- If fuse is blown, be sure to eliminate cause of malfunction before installing new fuse.
- Use fuse of specified rating. Never use fuse of more than specified rating.
- Do not partially install fuse; always insert it into fuse holder properly.
- Remove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



EXTENDED STORAGE 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:

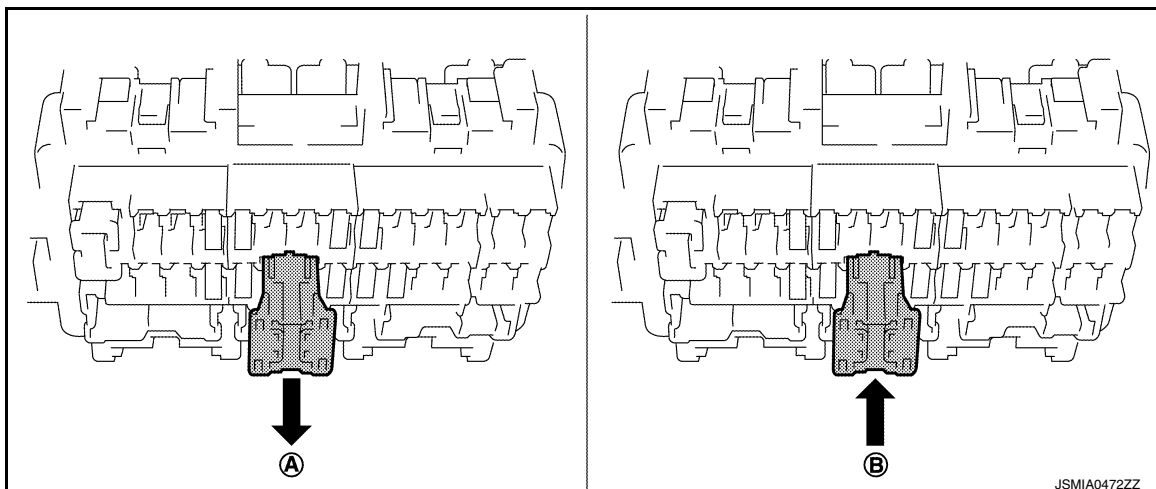
- Turn the ignition switch OFF when operating the extended storage fuse switch.
- Under normal conditions, keep the extended storage fuse switch in ON state. Never operate the extended storage fuse switch except when necessary.

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

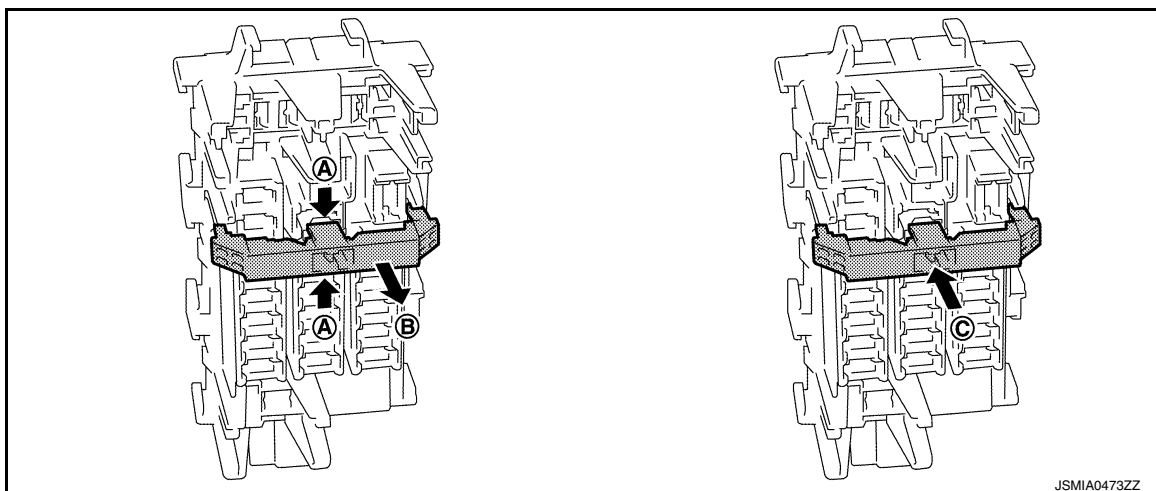
[POWER SUPPLY & GROUND CIRCUIT]

• Type A



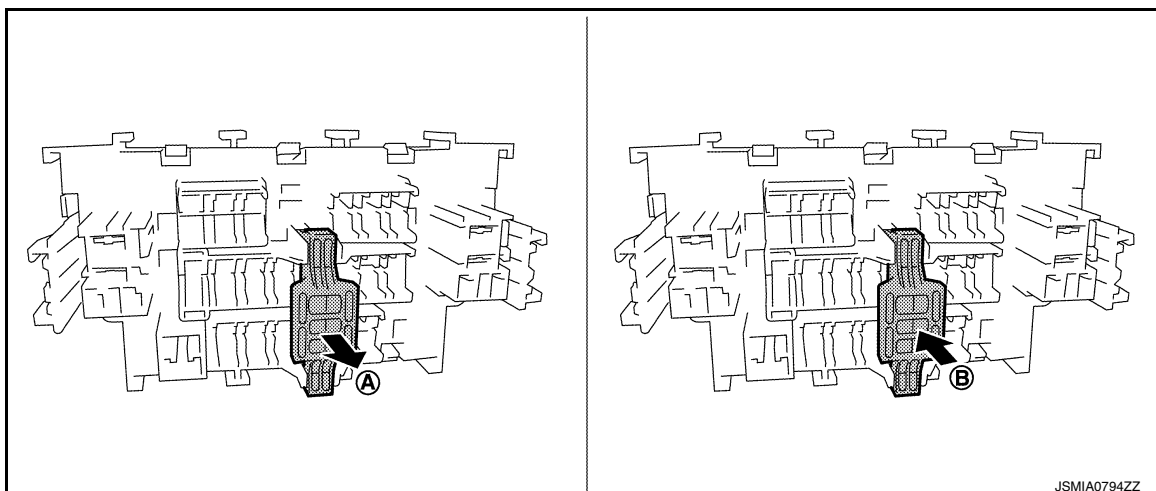
- To turn the extended storage fuse switch OFF, pull it up in (A) direction as shown in the figure.
- To turn the extended storage fuse switch ON, press it in (B) direction as shown in the figure.

• 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

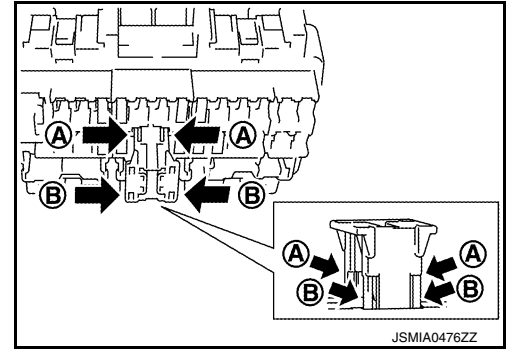
A
B
C
D
E
F
G
H
I
J
K
L
PG
N
O
P

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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.

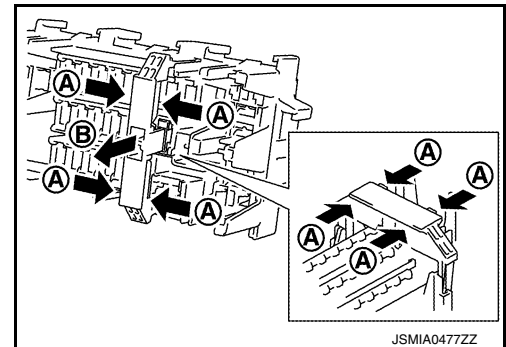


NOTE:

- 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.

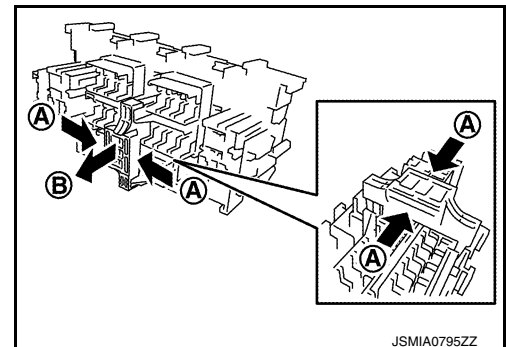


NOTE:

- 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

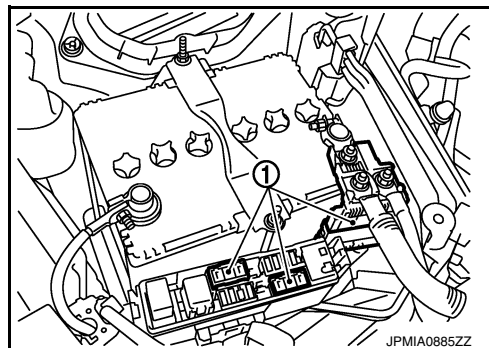
INFOID:0000000010594933

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

1 : Fusible link

CAUTION:

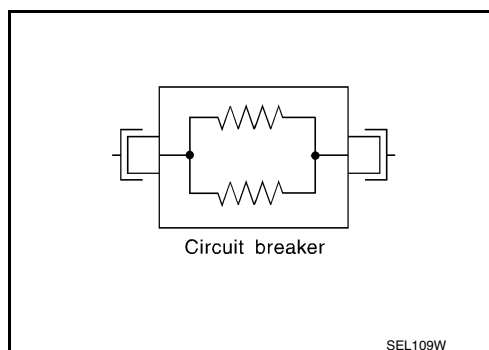
- If fusible link should melt, it is possible that critical circuit (power supply or large current carrying circuit) is shorted. In such a case, carefully check and eliminate cause of malfunction.
- Never wrap outside of fusible link with vinyl tape. Important: Never let fusible link touch any other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



Circuit Breaker

INFOID:0000000010594934

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.



GROUND DISTRIBUTION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

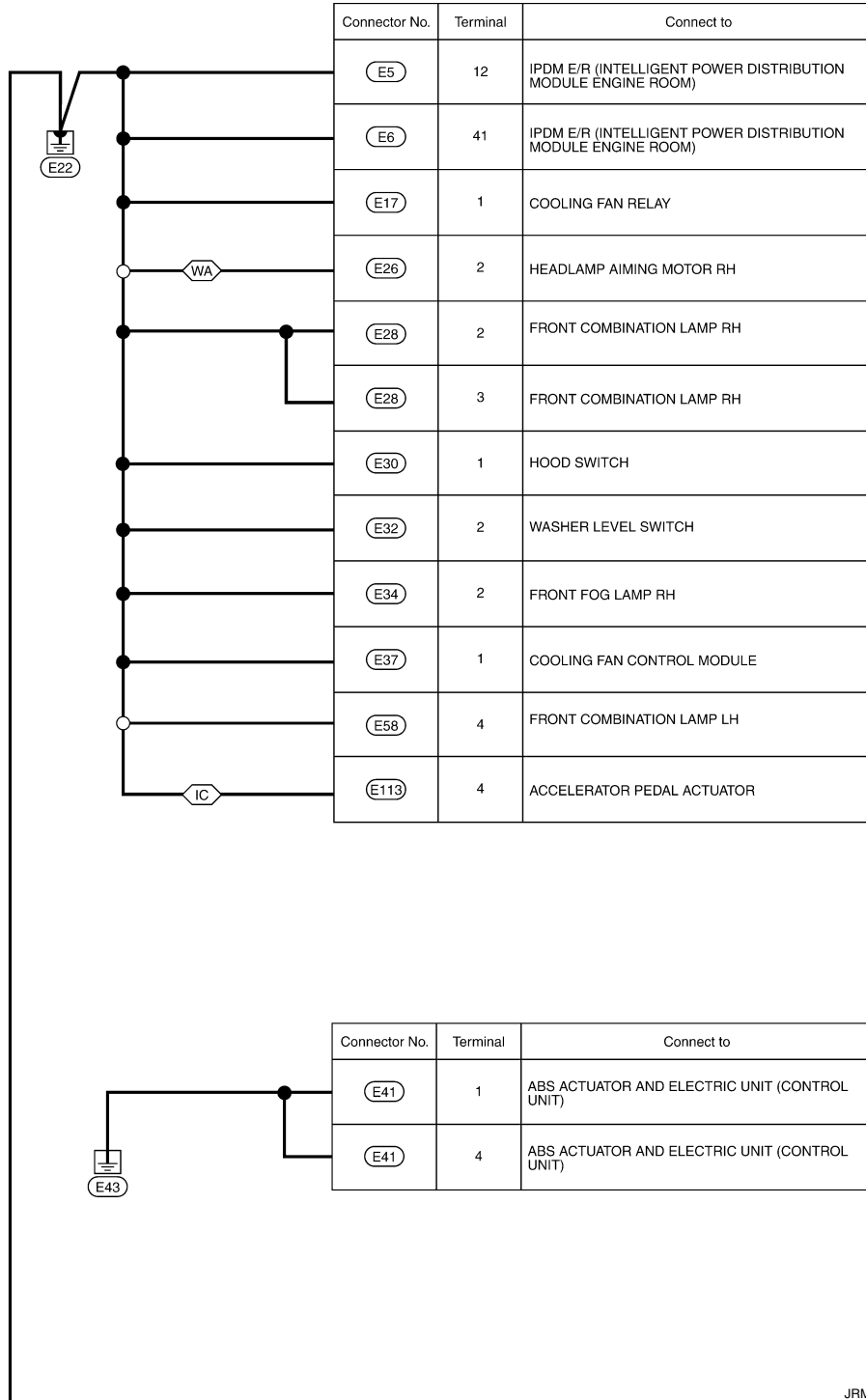
GROUND DISTRIBUTION

Engine Room Harness

INFOID:000000012141998

ENGINE ROOM HARNESS

IC : With ICC
WA : With AFS

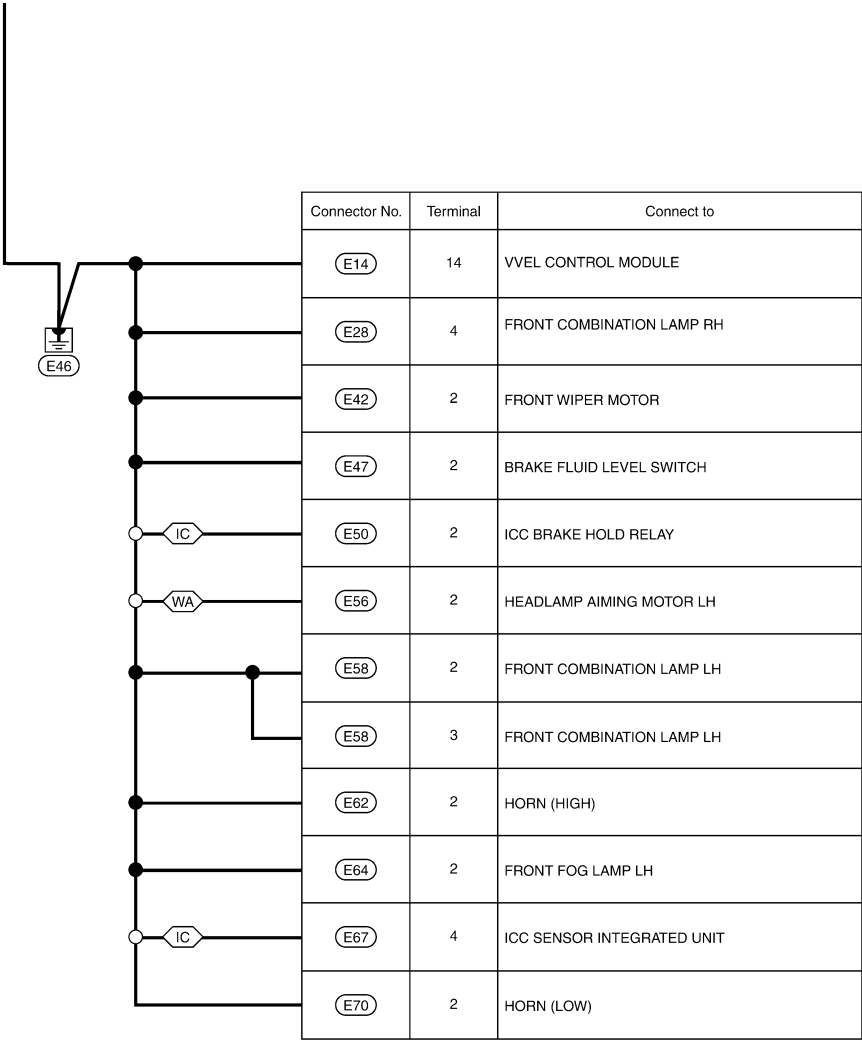


JRMWH4555GB

GROUND DISTRIBUTION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]



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2015/01/13

JRMWH4556GB

GROUND DISTRIBUTION

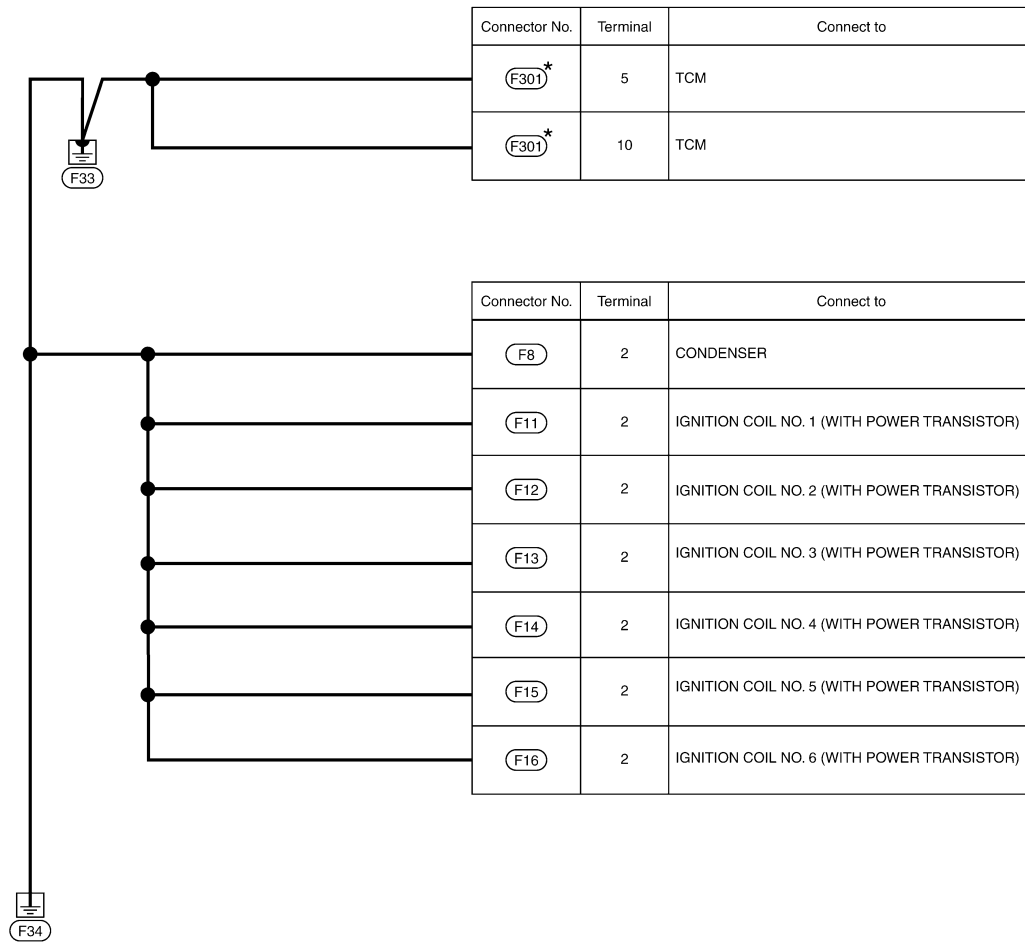
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Engine Control Harness

INFOID:0000000012141999

ENGINE CONTROL HARNESS



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

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JRMWH4557GB

GROUND DISTRIBUTION

< DTC/CIRCUIT DIAGNOSIS >

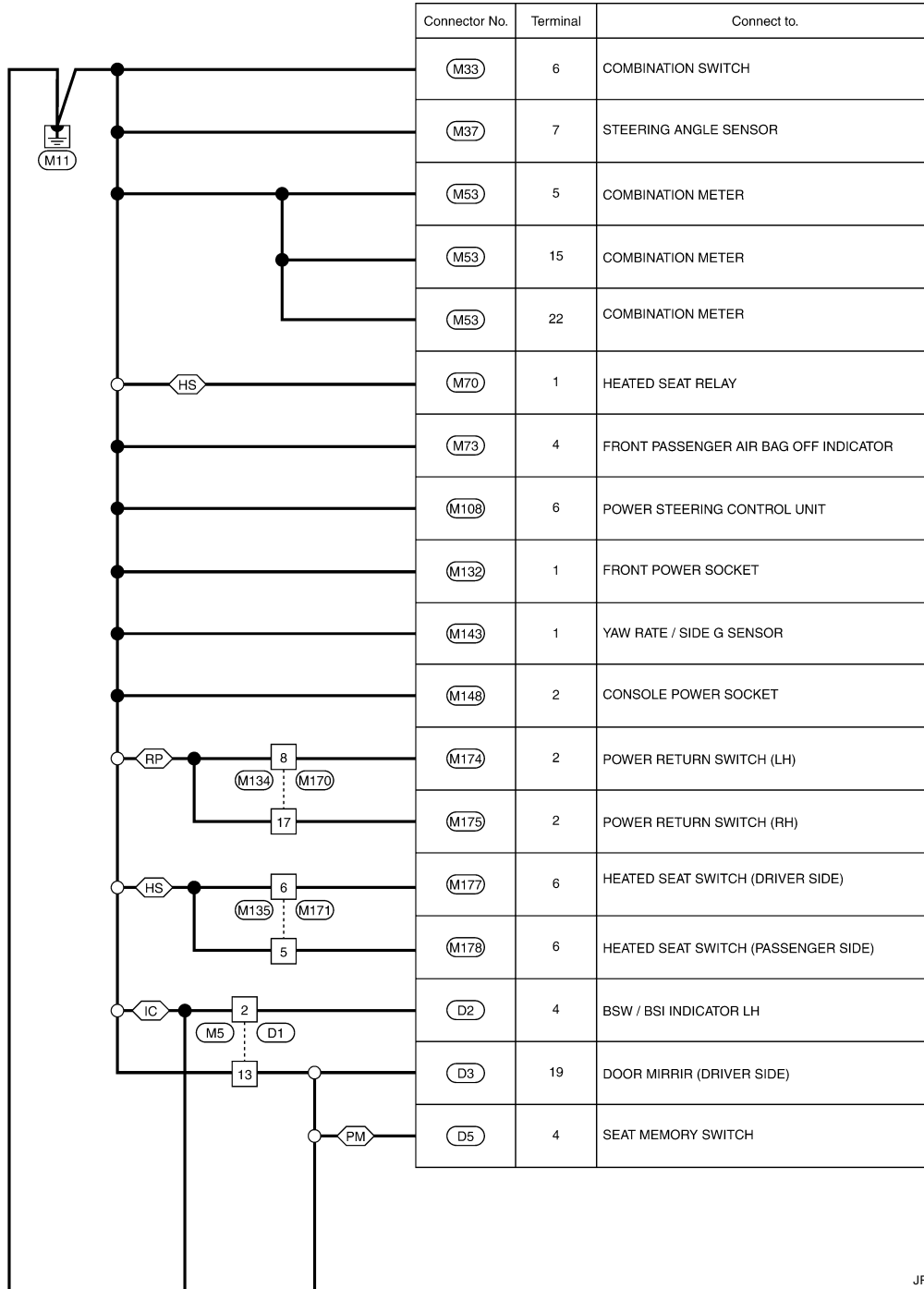
[POWER SUPPLY & GROUND CIRCUIT]

Main Harness

INFOID:000000012142000

MAIN HARNESS

- RP : With rear seatback power return system
 HS : With heated seat
 OP : Without automatic drive positioner

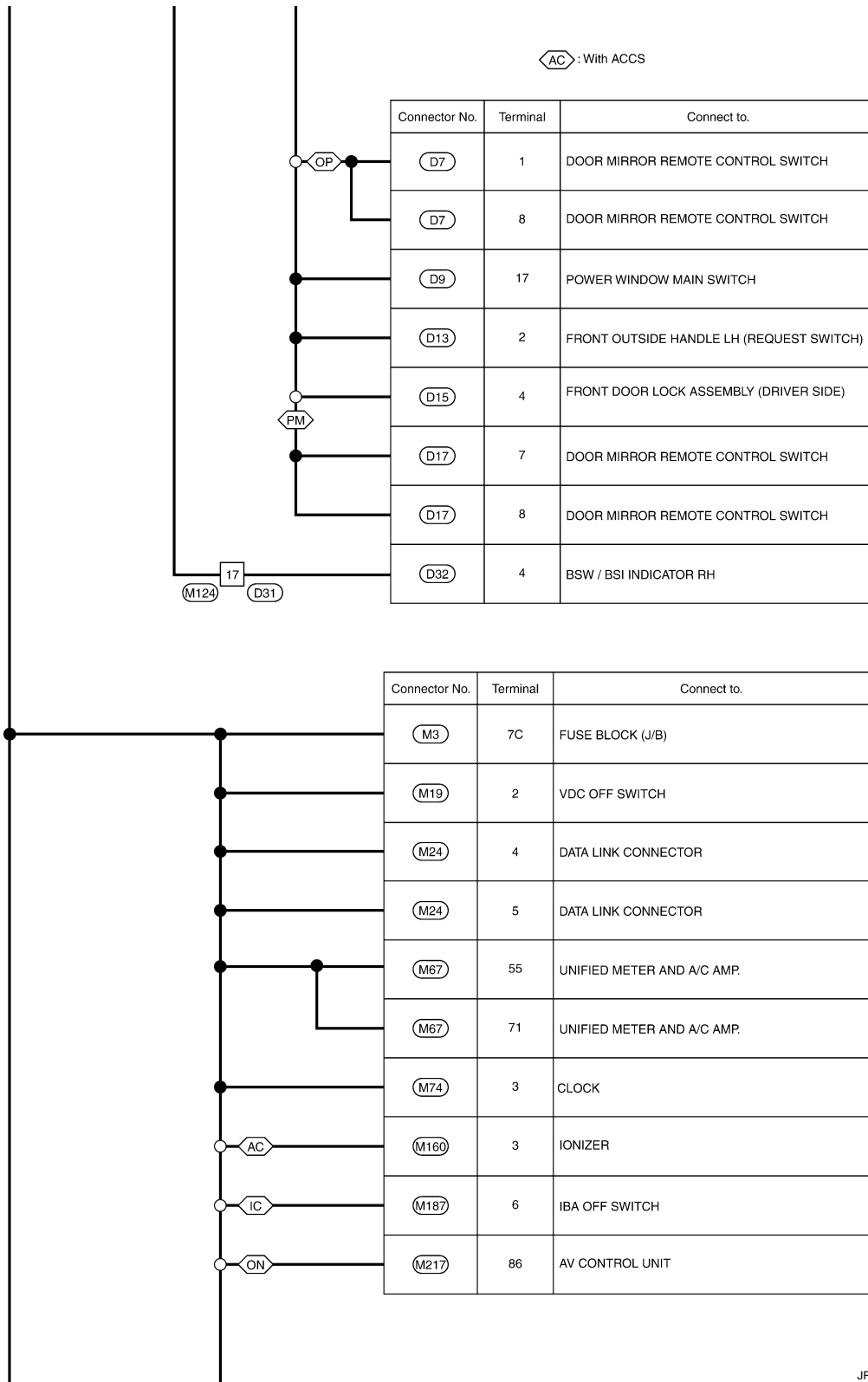


JRMWH4550GB

GROUND DISTRIBUTION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

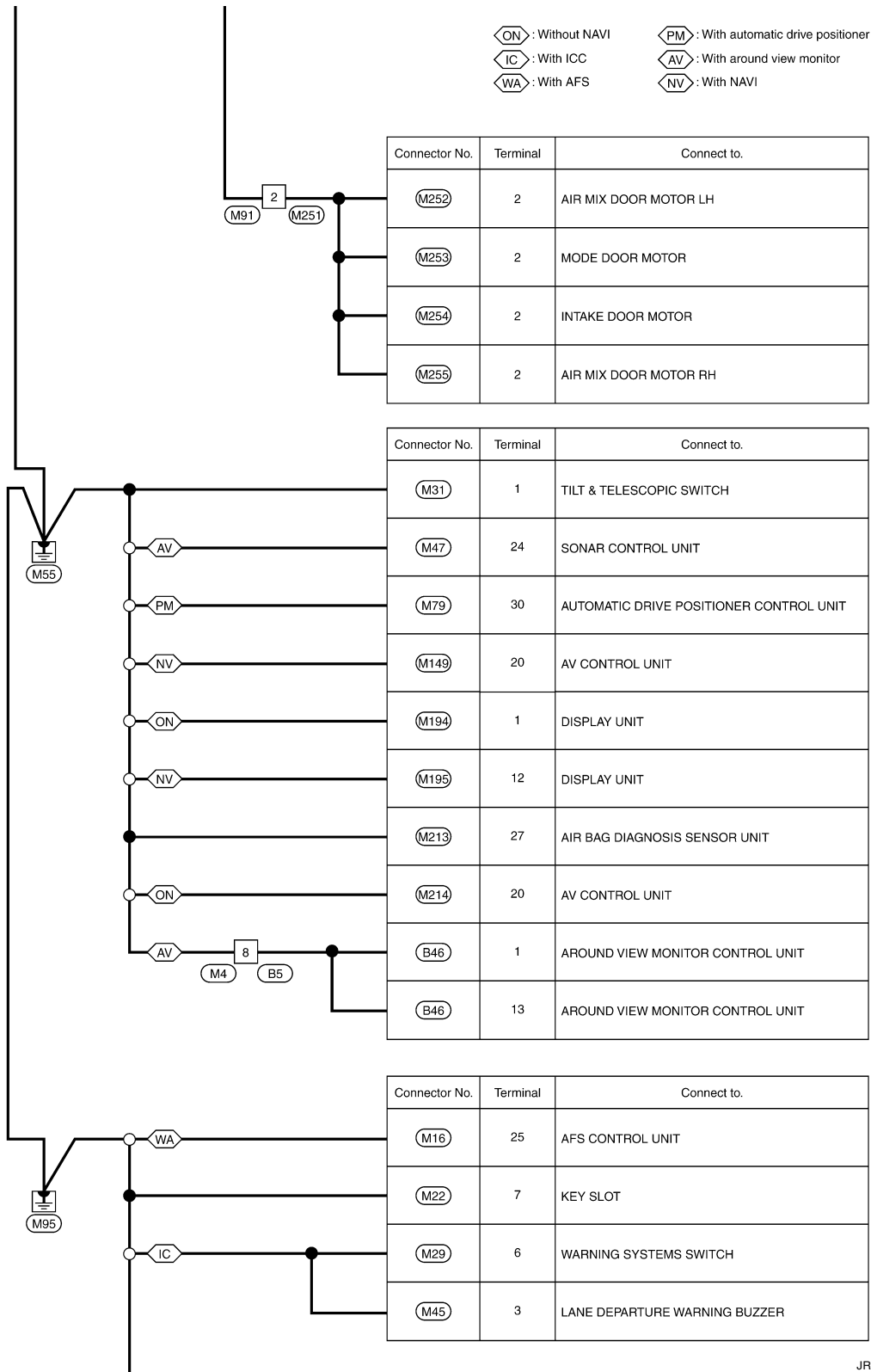


JRMWH4551GB

GROUND DISTRIBUTION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]



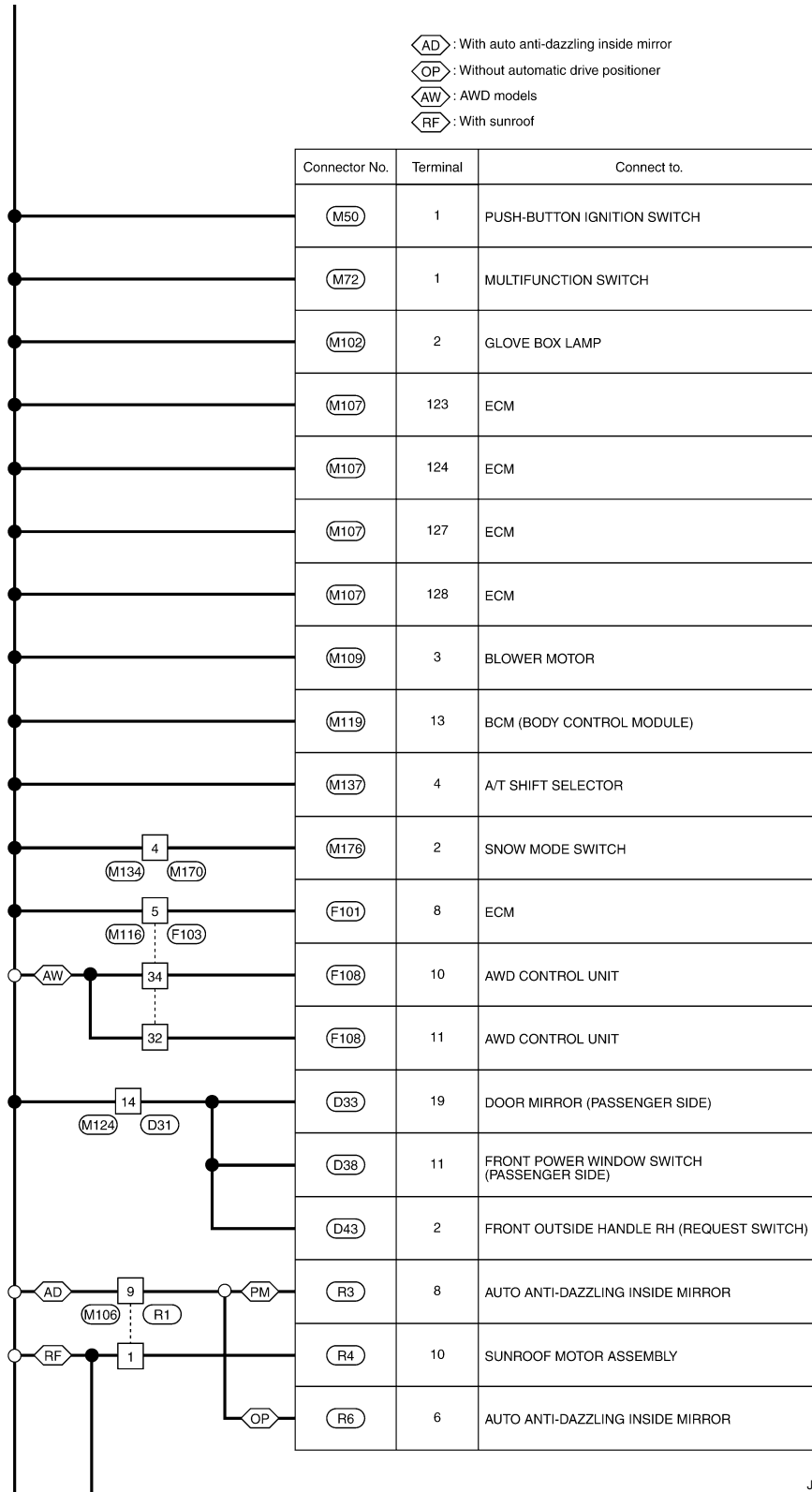
JRMWH4552GB

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GROUND DISTRIBUTION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

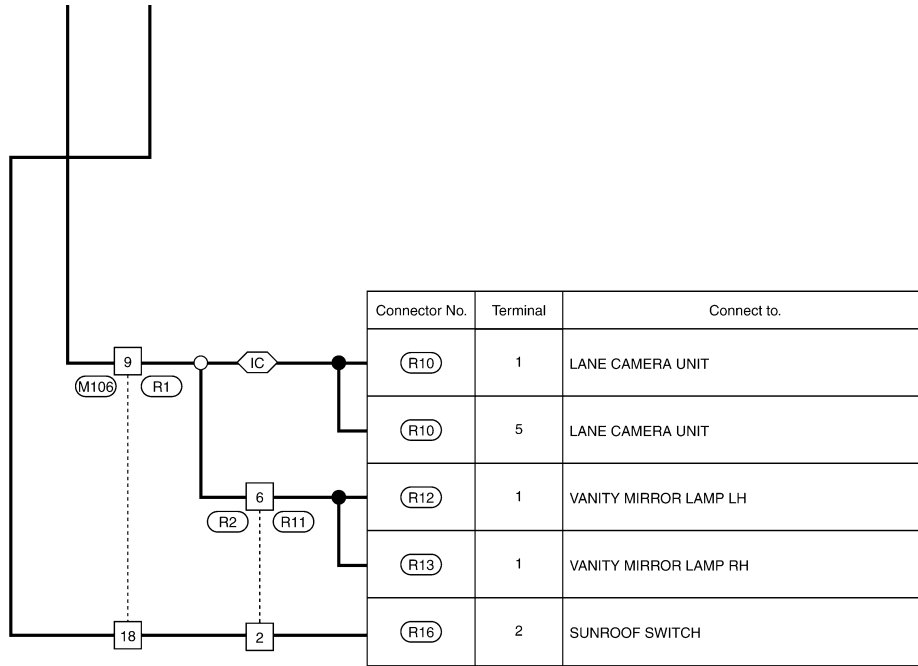


JRMWH4553GB

GROUND DISTRIBUTION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]



2015/01/13

JRMWH4554GB

GROUND DISTRIBUTION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

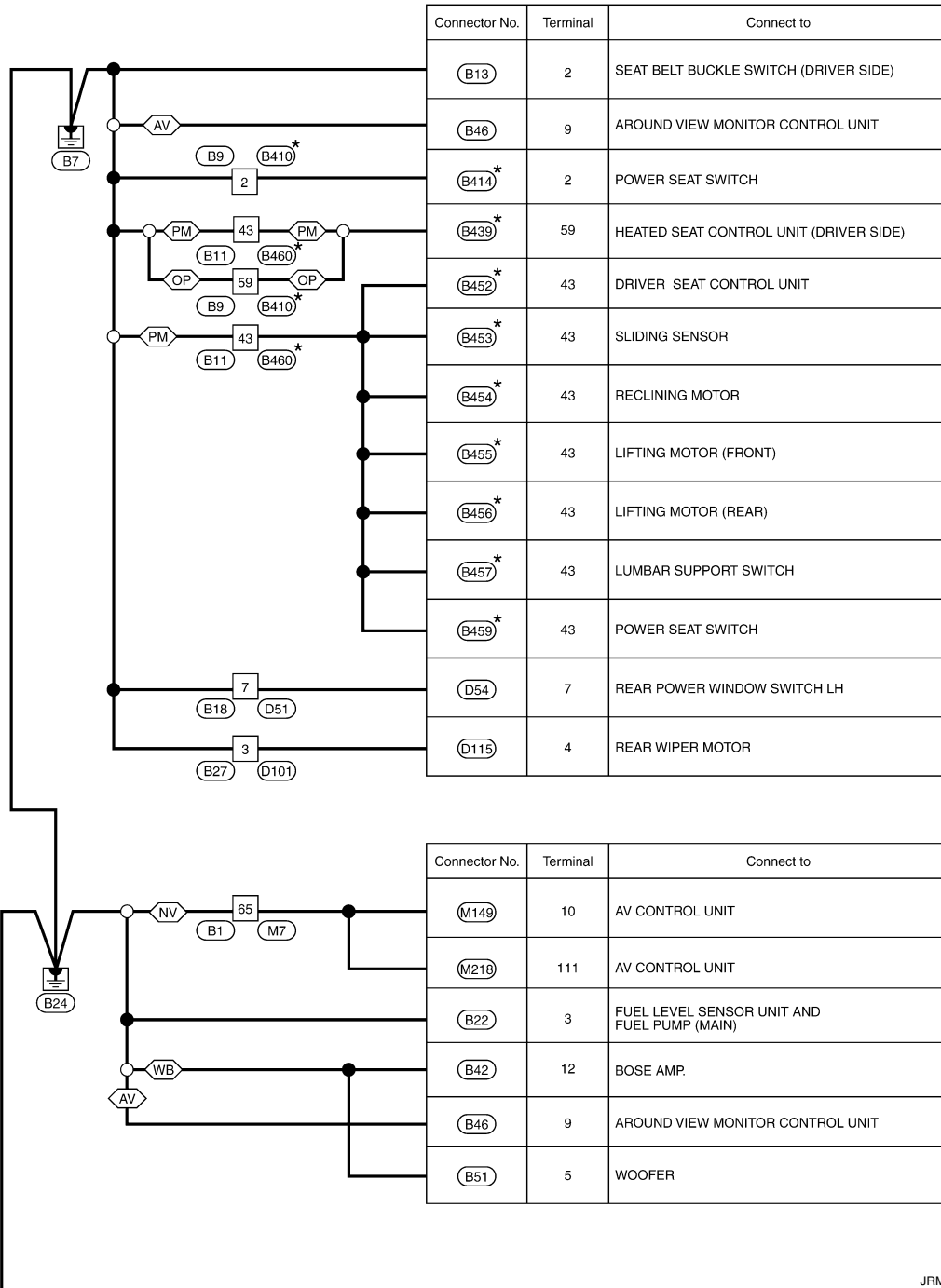
Body Harness

INFOID:000000012142001

BODY HARNESS

RP : With rear seatback power return system

OP : Without automatic drive positioner

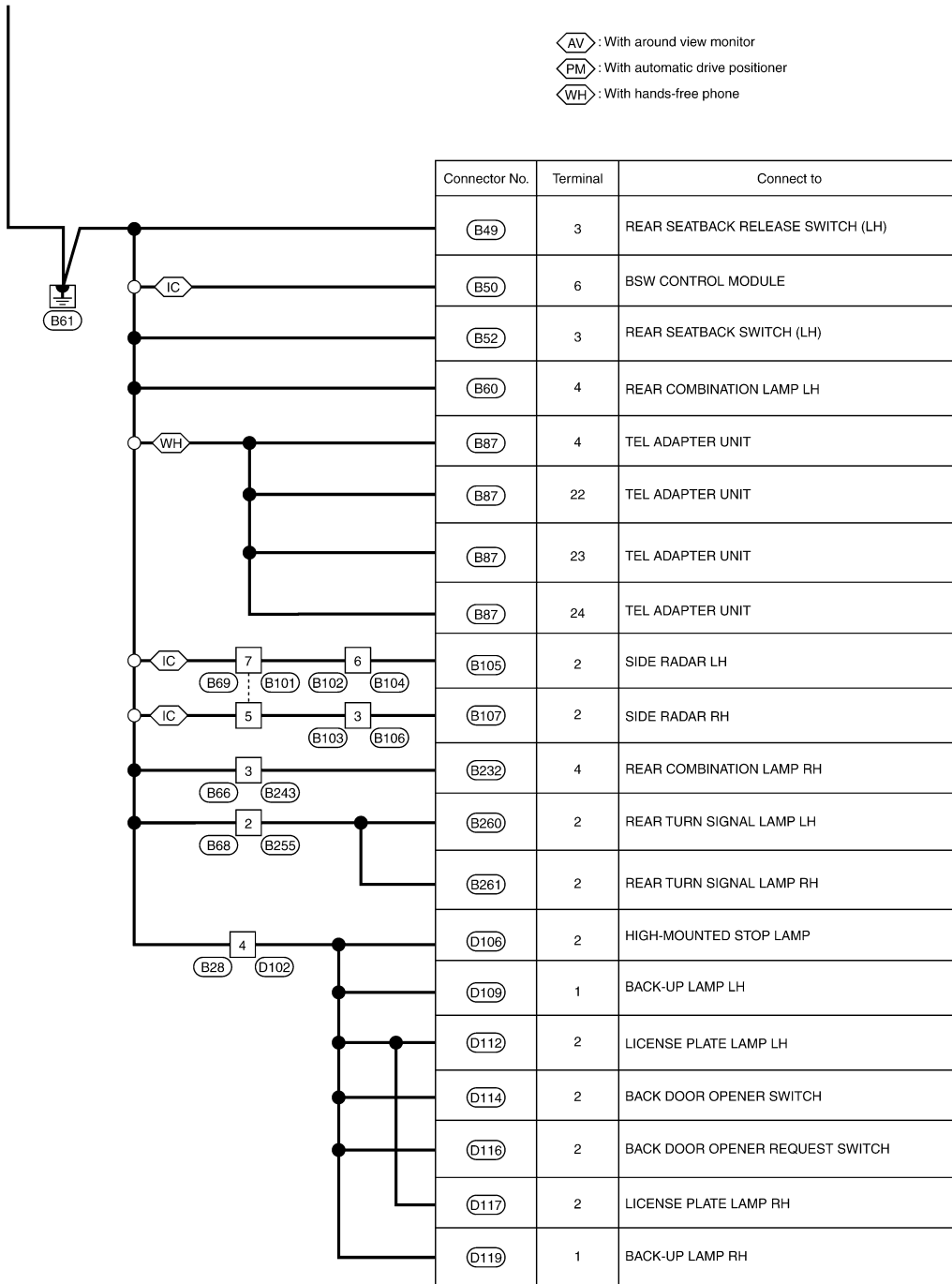


JRMWH4558GB

GROUND DISTRIBUTION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]



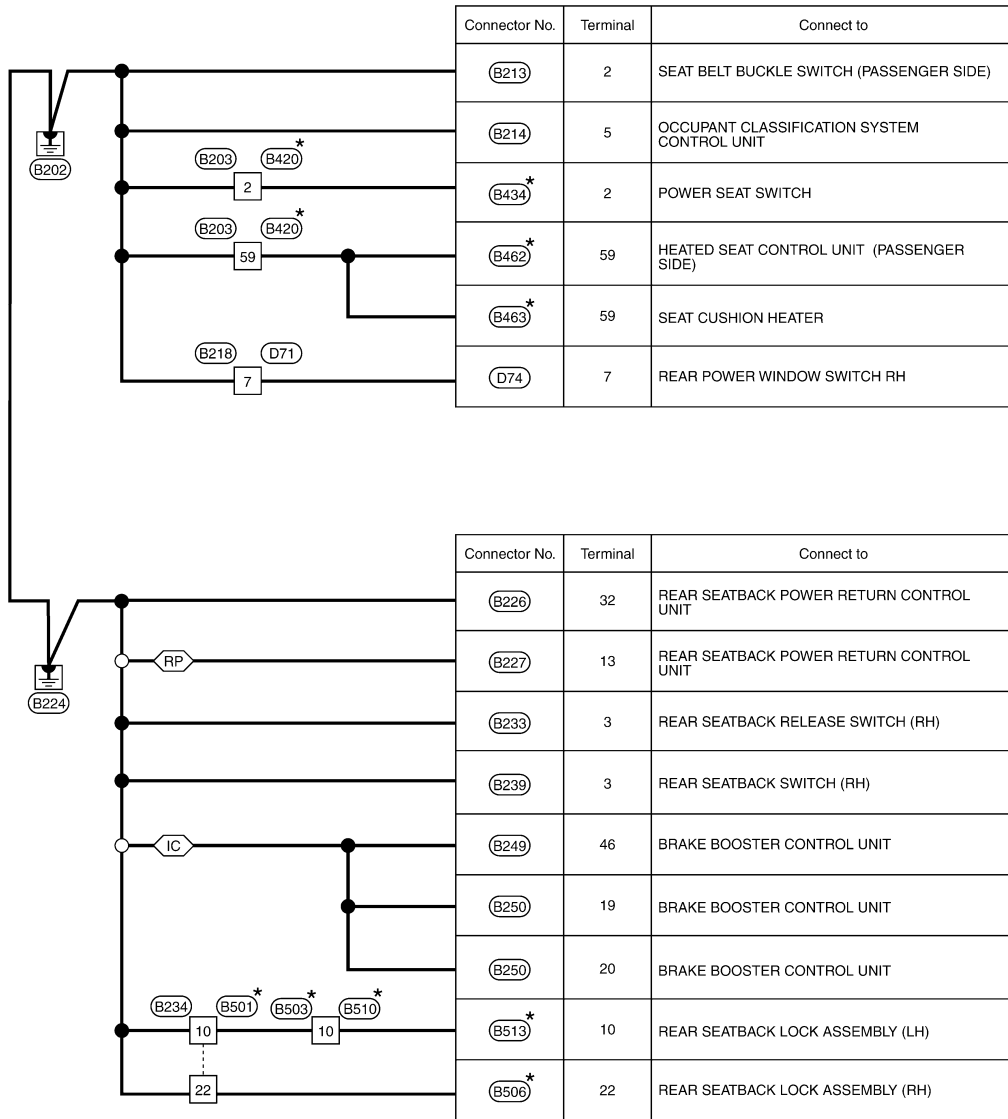
JRMWH4559GB

GROUND DISTRIBUTION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

NV : With NAVI
 WB : With BOSE audio
 IC : With ICC



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

2015/01/13

JRMWH4560GB

GROUND DISTRIBUTION

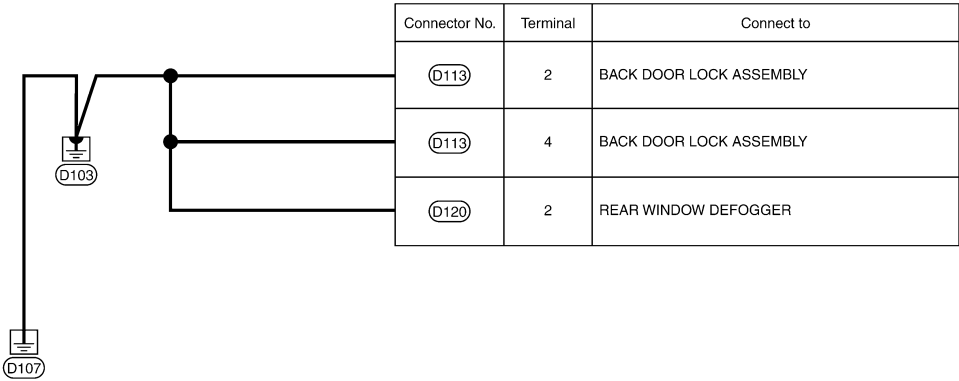
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Door Harness

INFOID:0000000012142002

DOOR HARNESS



PG

2015/01/13

JRMWH4561GB

OPTION HARNESS

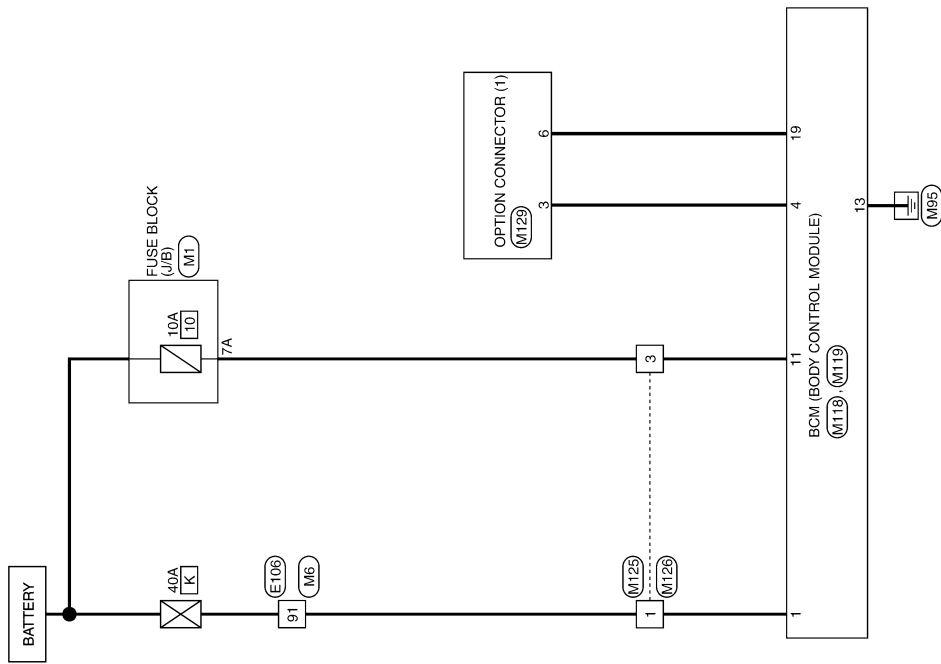
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

OPTION HARNESS

Wiring Diagram - OPTION HARNESS -

INFOID:0000000010594935



OPTION HARNESS

2013/02/11

JRMWD7848GB

OPTION HARNESS

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

OPTION HARNESS

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



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

42	G	-
43	W	-
45	L	-
46	SHIELD	-
50	P	-
51	L	-
54	EG	-
57	BR	-
59	W	-
60	LG	-
61	G	-
62	SB	-
63	W	-
64	B	-
65	G	-
66	SHIELD	-
68	Y	-
69	LG	-
70	W	-
71	R	-
72	Y	-
73	B	-
74	BR	-
74	L	- [With ICG]
74	L	- [Without ICG]
75	G	-
75	G	- [With ICG]
75	G	- [Without ICG]
76	W	-
76	W	- [With ICG]
76	W	- [Without ICG]
77	P	-
77	P	- [With ICG]
77	P	- [Without ICG]
78	BR	-
78	L	- [With ICG]
78	L	- [Without ICG]
79	Y	-
80	SB	-
81	R	-
82	SB	-
83	EG	-
84	G	-
85	L	-
86	P	-
87	V	-
87	C	-
88	SHIELD	-
89	W	-
91	W	-
92	Y	-
93	V	-
94	LG	-

95	EG	-
97	P	-
98	SHIELD	-
99	L	-
100	P	-

Connector No.	MT
Connector Name	FUSE BLOCK (JIB)
Connector Type	INS06FW-M2



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

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



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

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

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OPTION HARNESS

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

OPTION HARNESS

86	Y	-
88	GR	-
90	LG	-
91	LG	-
92	Y	-
93	SB	-
94	BR	- [With LCG]
95	L	- [Without LCG]
96	G	-
97	GR	- [Without LCG]
98	W	- [With LCG]
99	P	- [Without LCG]
100	R	- [With LCG]
101	L	- [Without LCG]
102	P	- [With LCG]
103	W	- [Without LCG]
104	Y	- [With LCG]
105	SB	-
106	SB	-
107	SB	-
108	V	-
109	G	-
110	L	-
111	P	-
112	W	-
113	GR	-
114	SHIELD	-
115	W	-
116	Y	-
117	BR	-
118	P	-
119	GR	-
120	W	-
121	SB	-
122	SB	-
123	GR	-
124	W	-
125	L	-
126	SHIELD	-
127	V	-
128	SB	-

Connector No.	MT18
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	MS3FB-LG



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

Connector No.	MT19
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	MS16FW-CS



Terminal No.	Color	Wire	Signal Name [Specification]
4	LG	-	INTERIOR ROOM LAMP POWER SUPPLY
5	L	-	PASSENGER DOOR UNLOCK OUTPUT
7	Y	-	STEP LAMP CONT
8	V	-	ALL DOOR FUEL LID LOCK OUTPUT
9	G	-	DRIVER DOOR FUEL LID UNLOCK OUTPUT
10	BR	-	REAR DOOR UNLOCK OUTPUT
11	R	-	BAT (FUSE)
13	B	-	GROUND
14	W	-	PUSH-BUTTON IGNITION SW L1 GND
15	W	-	TURN SIGNAL RH (FRONT)
17	W	-	TURN SIGNAL LH (FRONT)
18	BG	-	TURN SIGNAL LH (FRONT)
19	V	-	INT ROOM LAMP CONT

Connector No.	MT25
Connector Name	WIRE TO WIRE
Connector Type	MS3FW-LG



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

Connector No.	MT26
Connector Name	WIRE TO WIRE
Connector Type	MS3MM-LG



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

Connector No.	MT29
Connector Name	OPTION CONNECTOR (1)
Connector Type	TH03MM-NH



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

JRMWF4776GB

HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

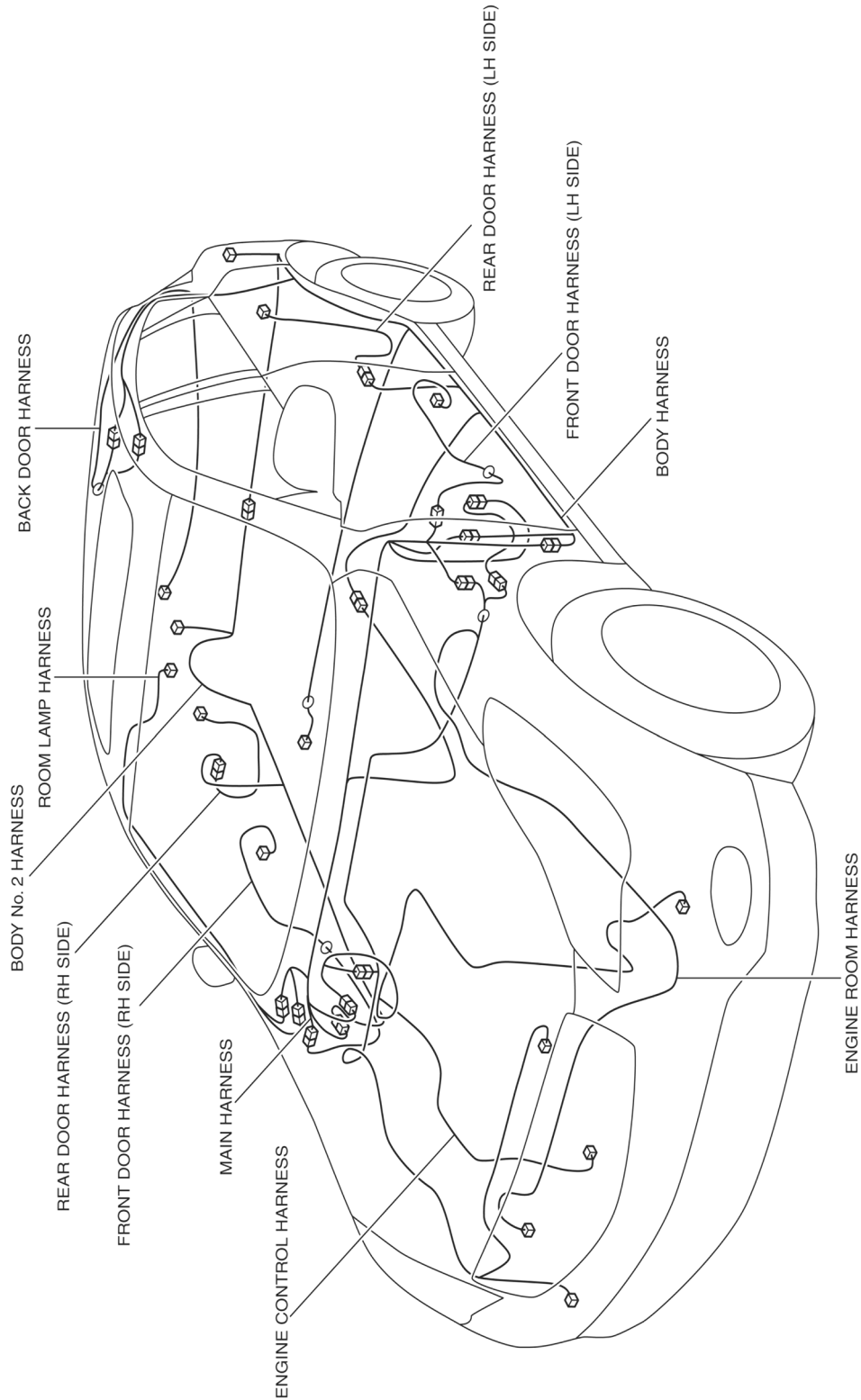
[POWER SUPPLY & GROUND CIRCUIT]

HARNESS LAYOUT

Outline

INFOID:0000000010594936

OUTLINE



2012/06/11

JRMIC1843GB

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HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

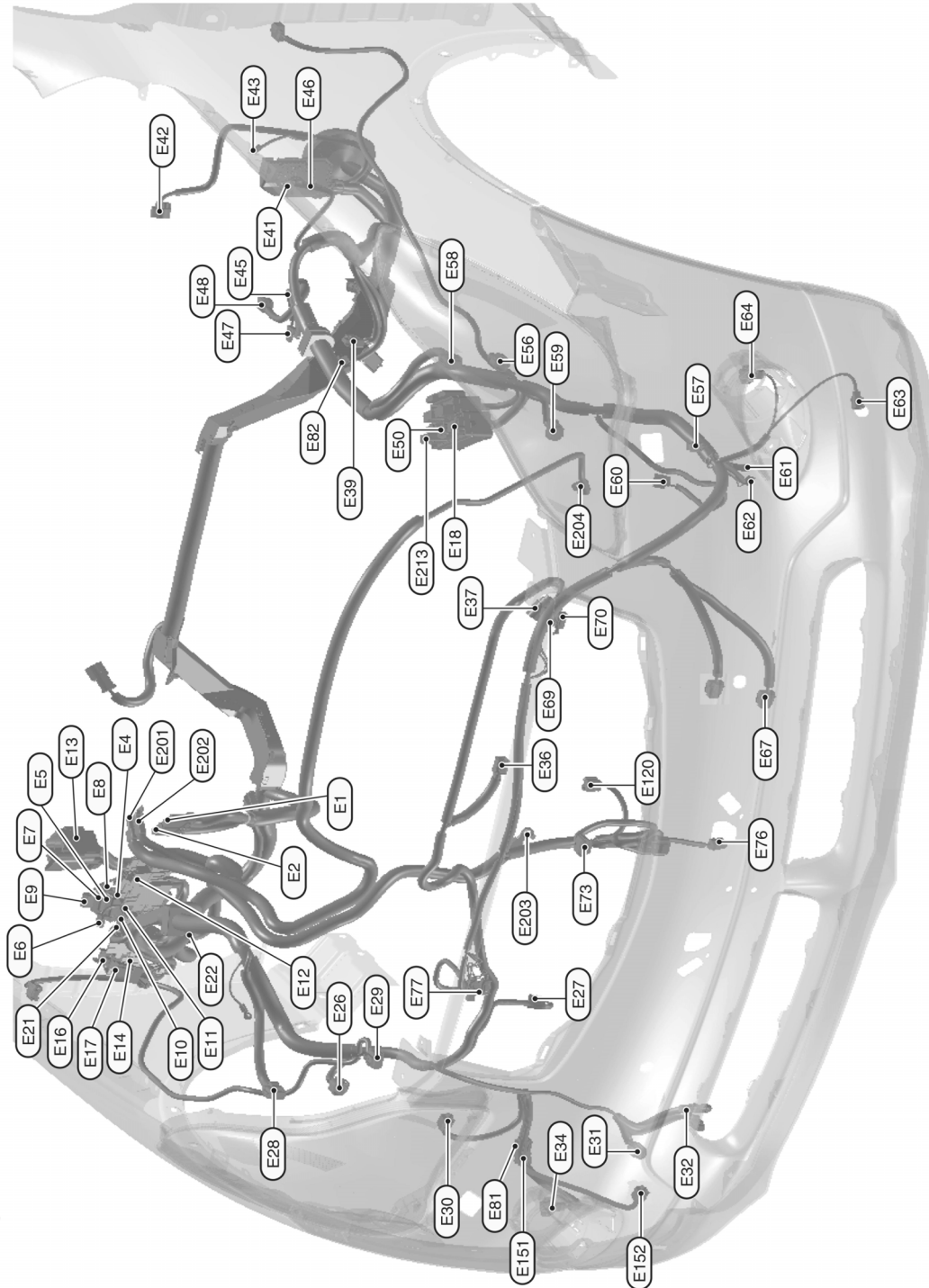
[POWER SUPPLY & GROUND CIRCUIT]

Engine Room Harness

INFOID:000000010594937

ENGINE COMPARTMENT

ENGINE ROOM HARNESS /
Engine Compartment



2013/02/11

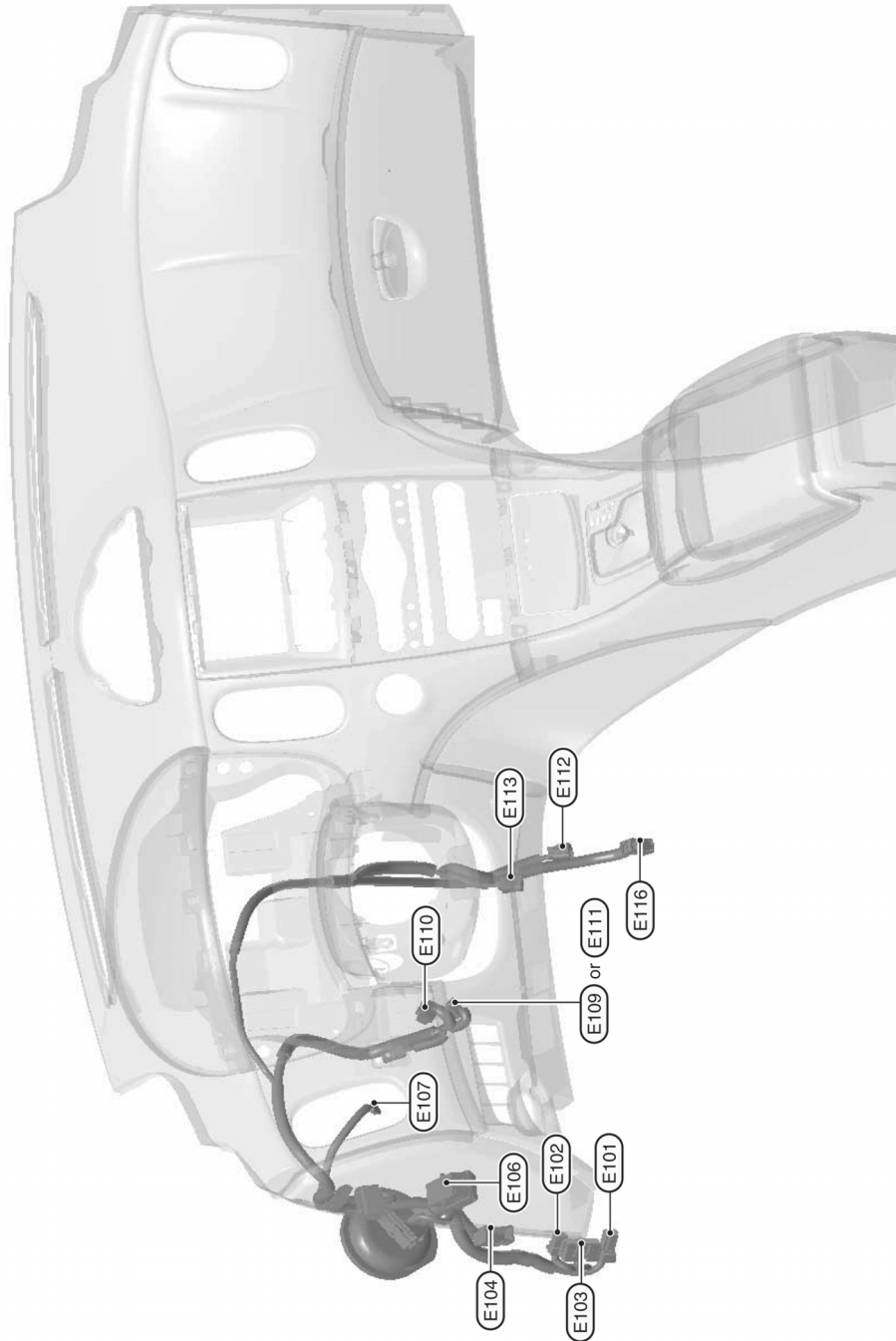
JRMIC2759GB

HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >
PASSENGER COMPARTMENT

[POWER SUPPLY & GROUND CIRCUIT]

Passenger Compartment



2012/06/11

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HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

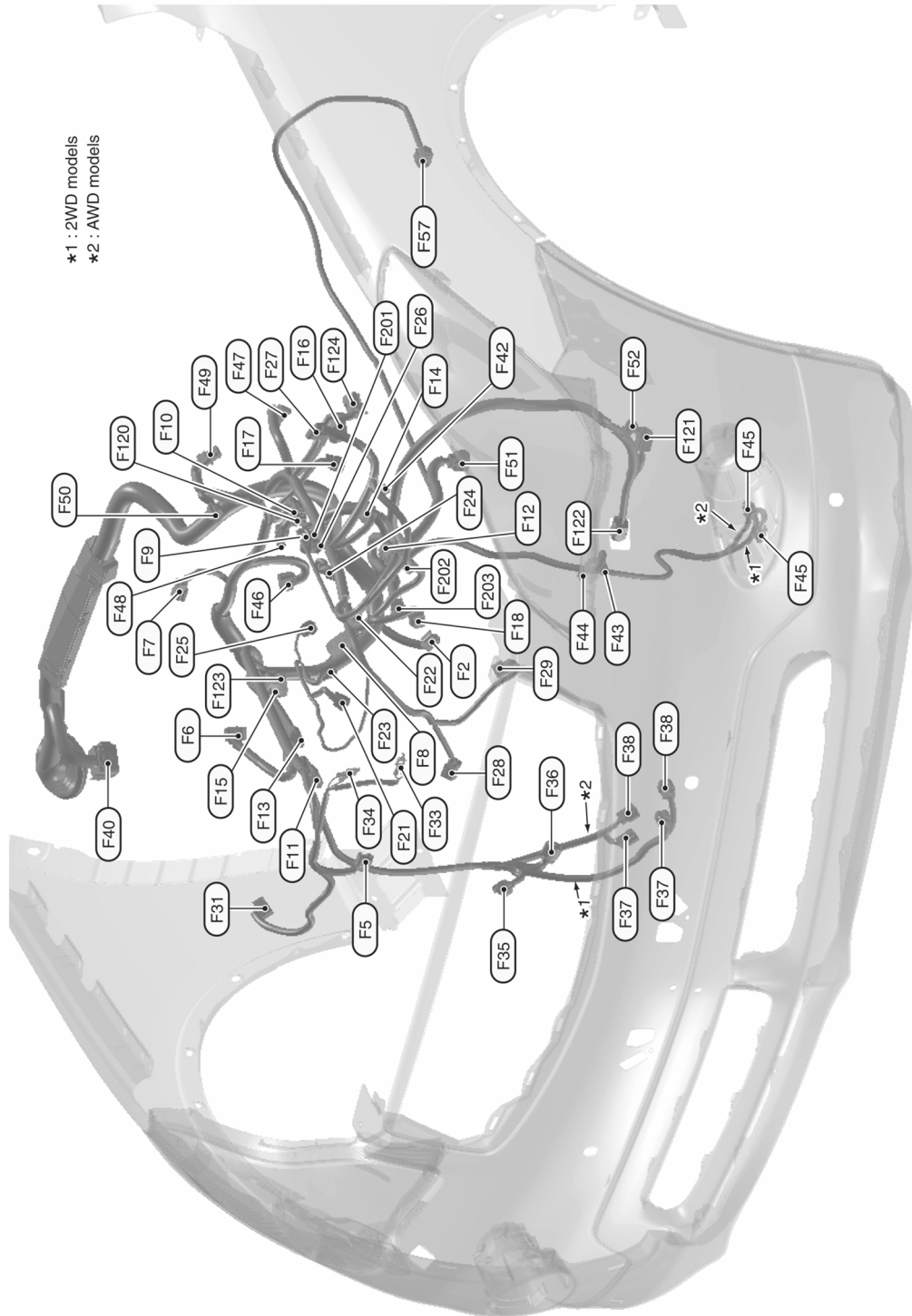
[POWER SUPPLY & GROUND CIRCUIT]

Engine Control Harness

INFOID:000000010594938

ENGINE COMPARTMENT

ENGINE CONTROL HARNESS /
Engine Compartment



2014/03/21

JRMIC4483GB

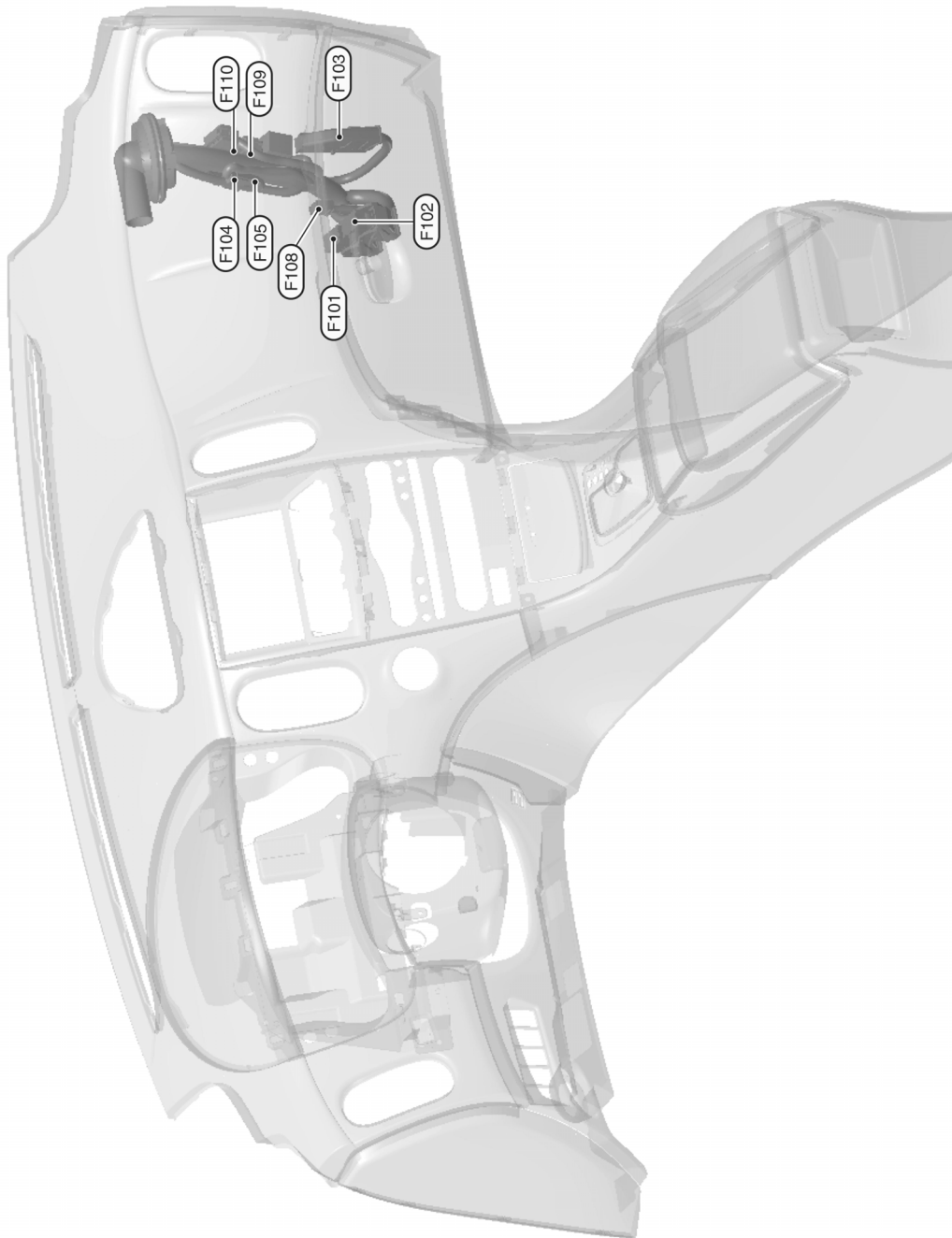
HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

PASSENGER COMPARTMENT

Passenger Compartment



2012/06/11

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HARNESS LAYOUT

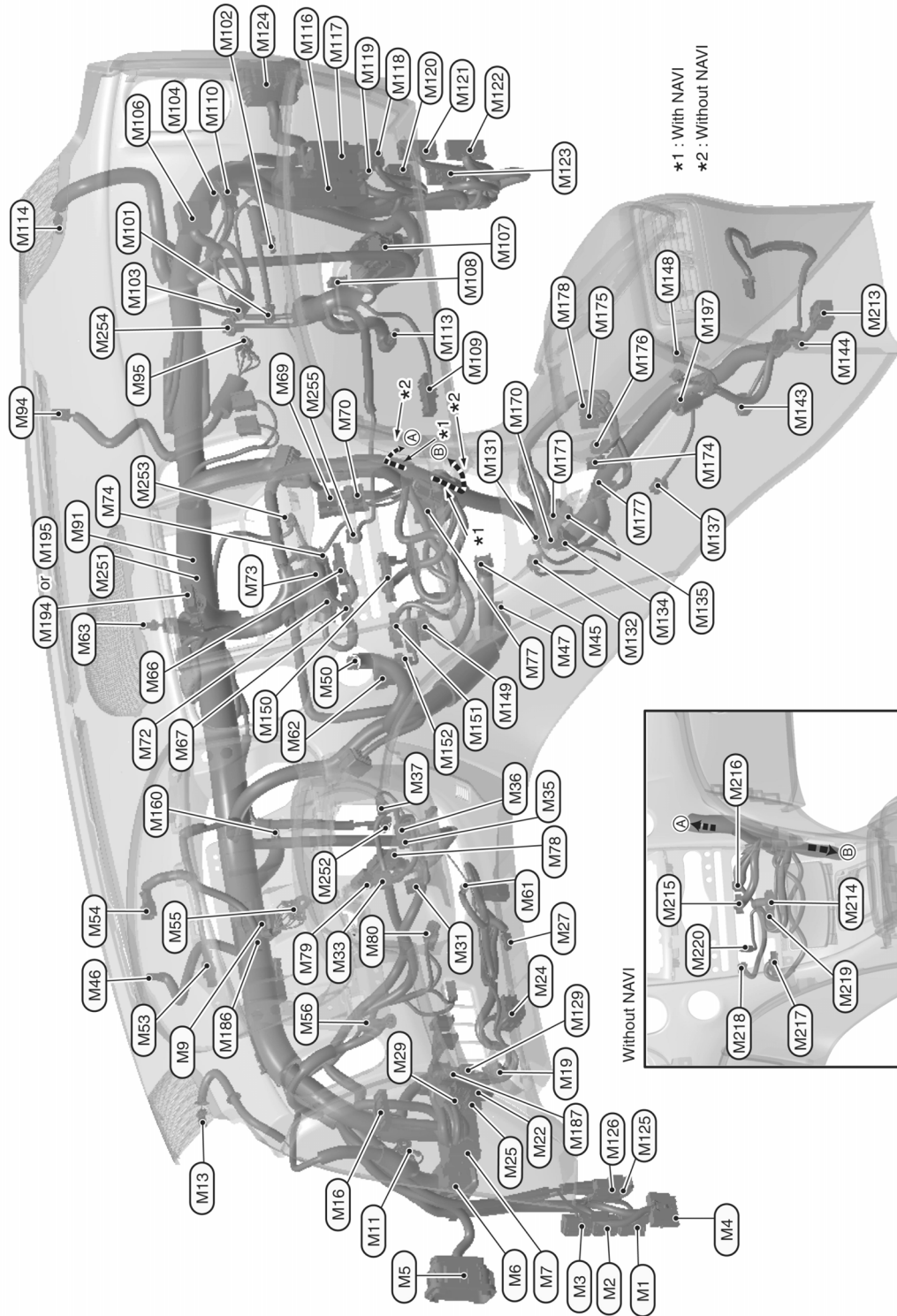
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Main Harness

INFOID:000000010594939

MAIN HARNESS



2014/03/21

JRMIC4482GB

HARNESS LAYOUT

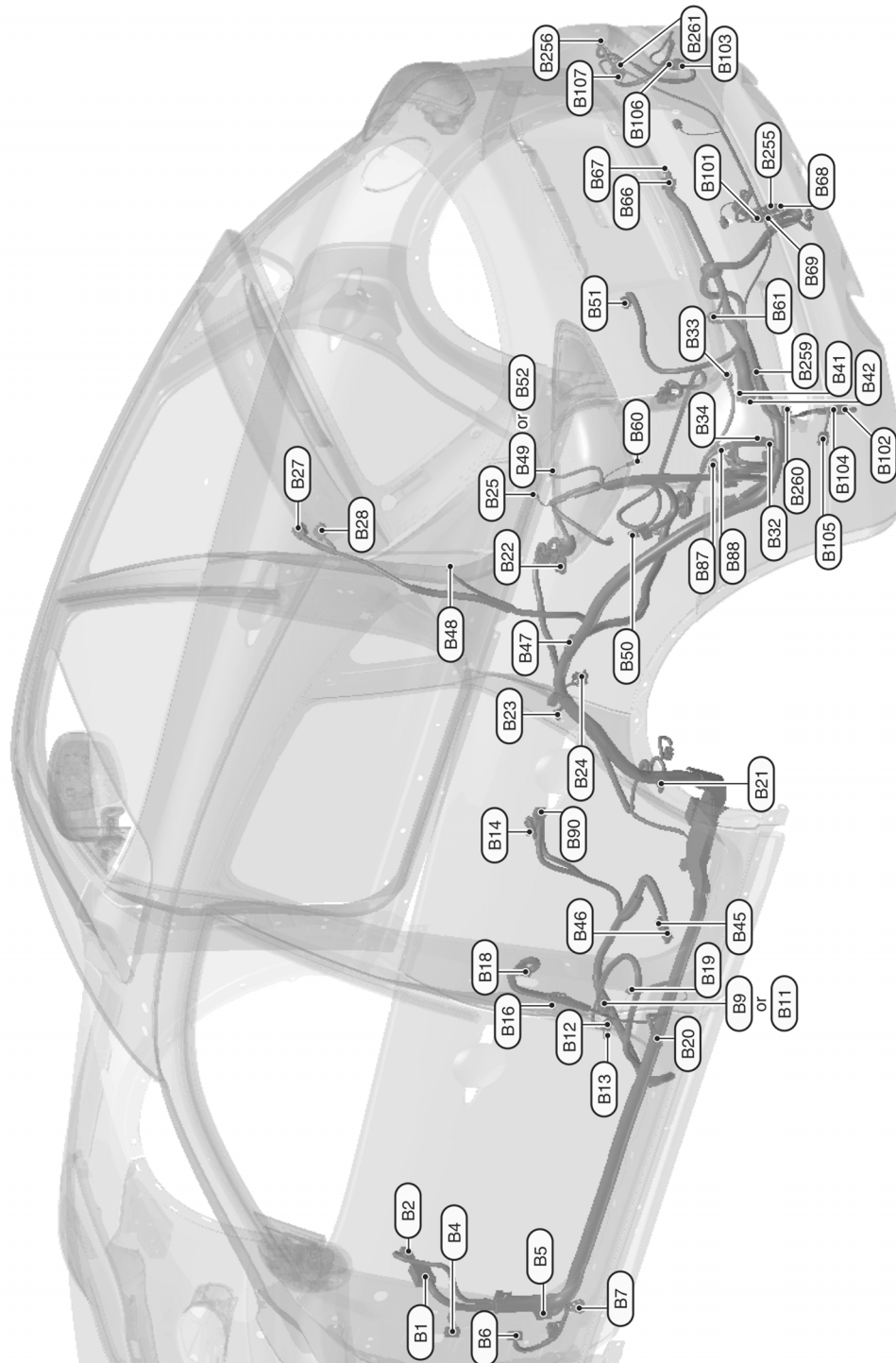
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

INFOID:0000000010594940

Body Harness

BODY HARNESS



2012/06/11

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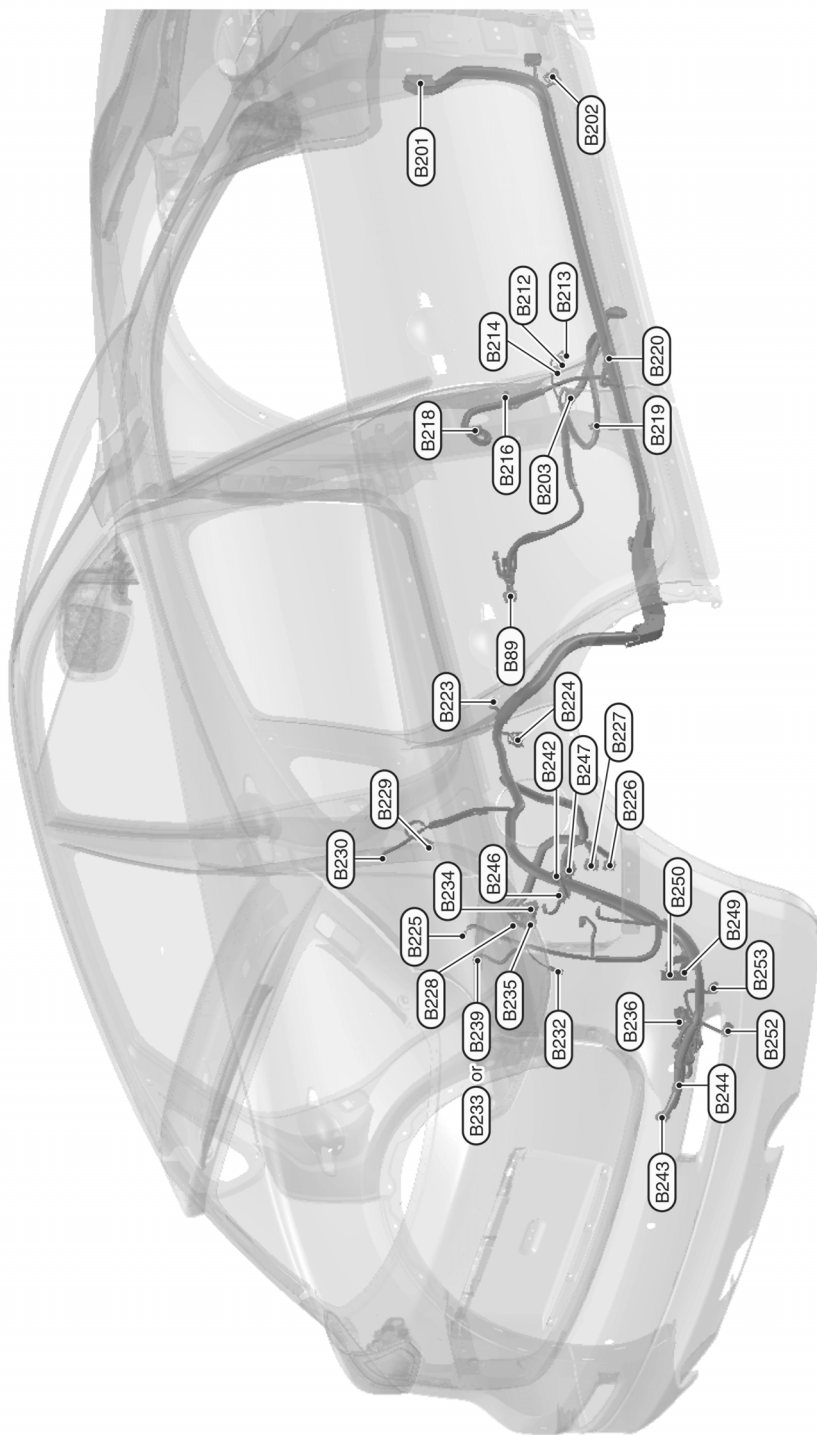
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HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BODY No. 2 HARNESS



BODY No. 2 HARNESS

2012/06/11

JRMIC1850GB

HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

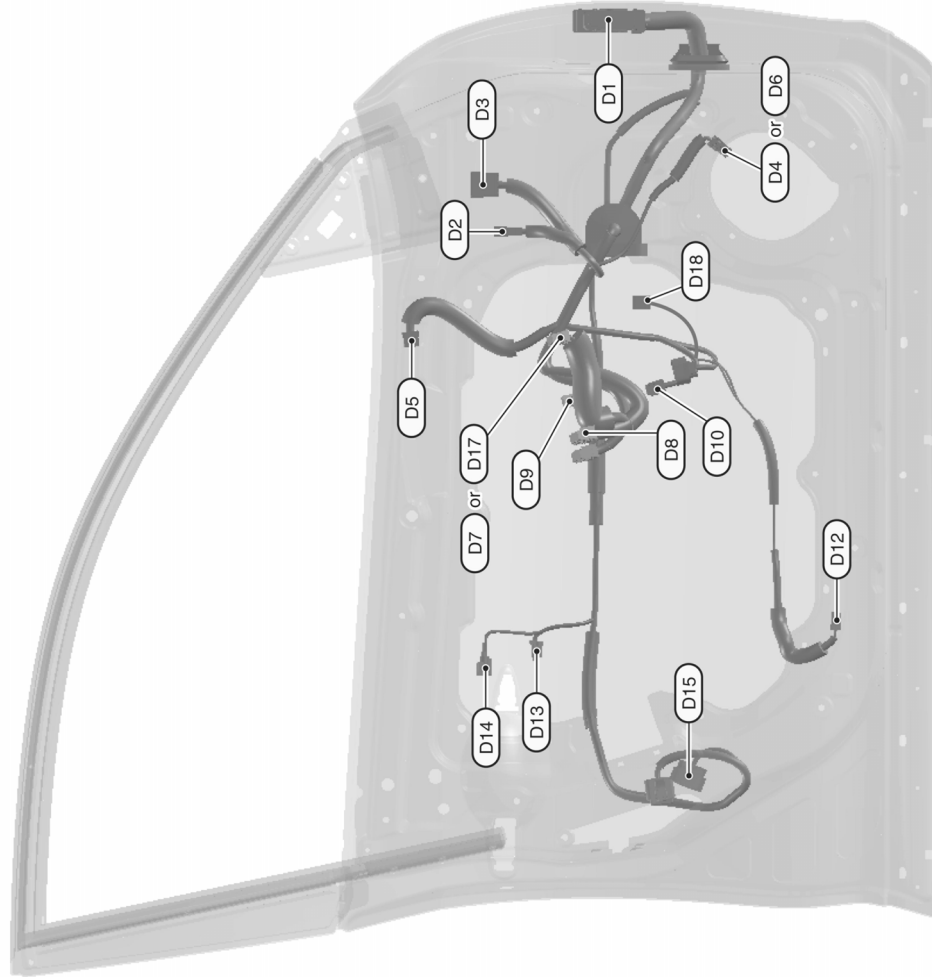
[POWER SUPPLY & GROUND CIRCUIT]

Door Harness

INFOID:0000000010594941

FRONT DOOR HARNESS (LH SIDE)

FRONT DOOR HARNESS (LH SIDE)



2014/03/21

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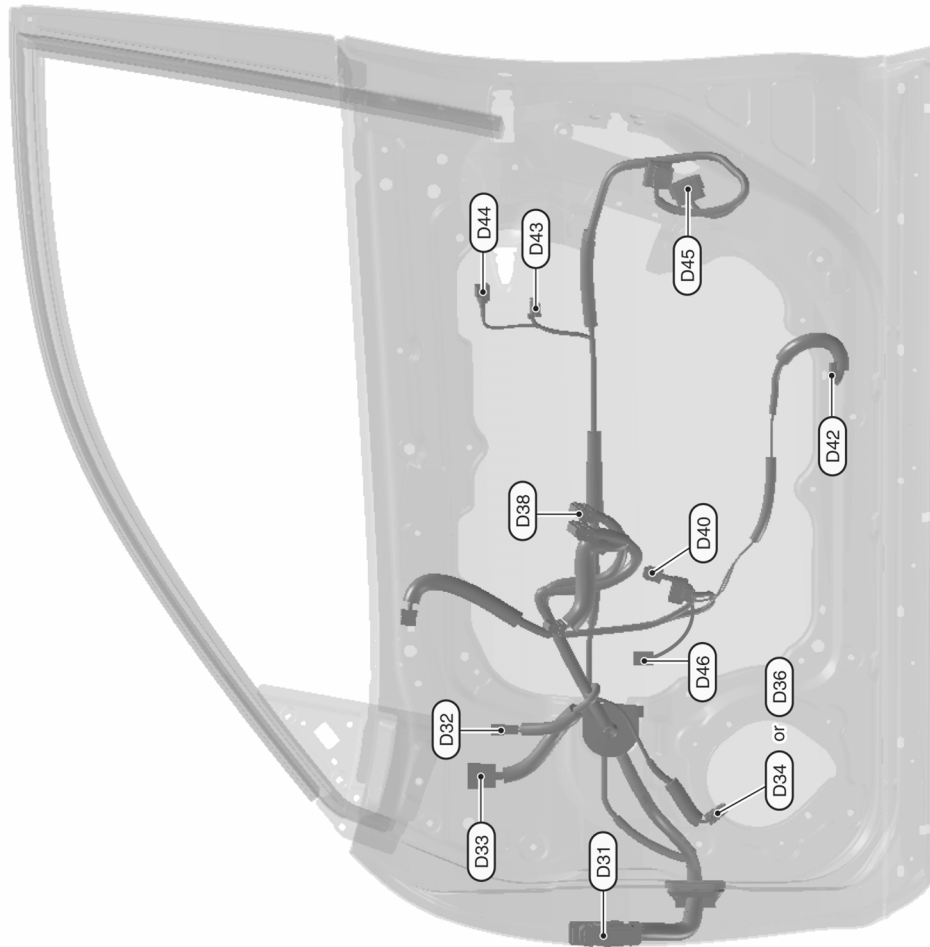
HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

FRONT DOOR HARNESS (RH SIDE)

FRONT DOOR HARNESS (RH SIDE)



2014/03/21

JRMIC4485GB

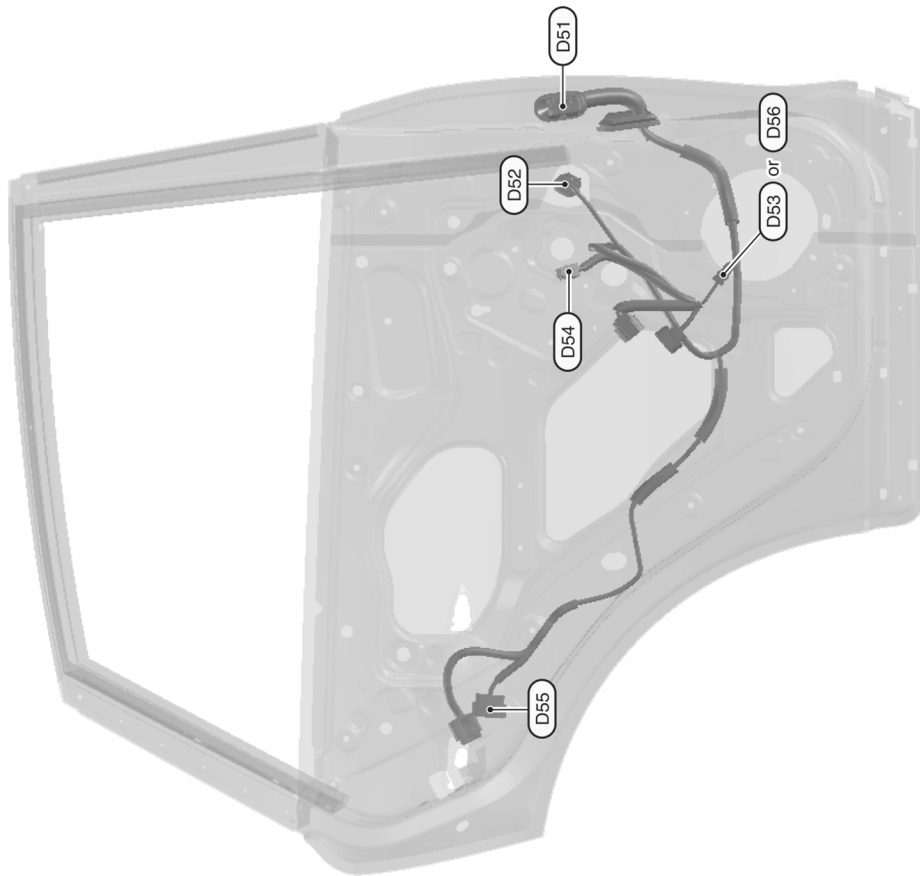
HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

REAR DOOR HARNESS (LH SIDE)

REAR DOOR HARNESS (LH SIDE)



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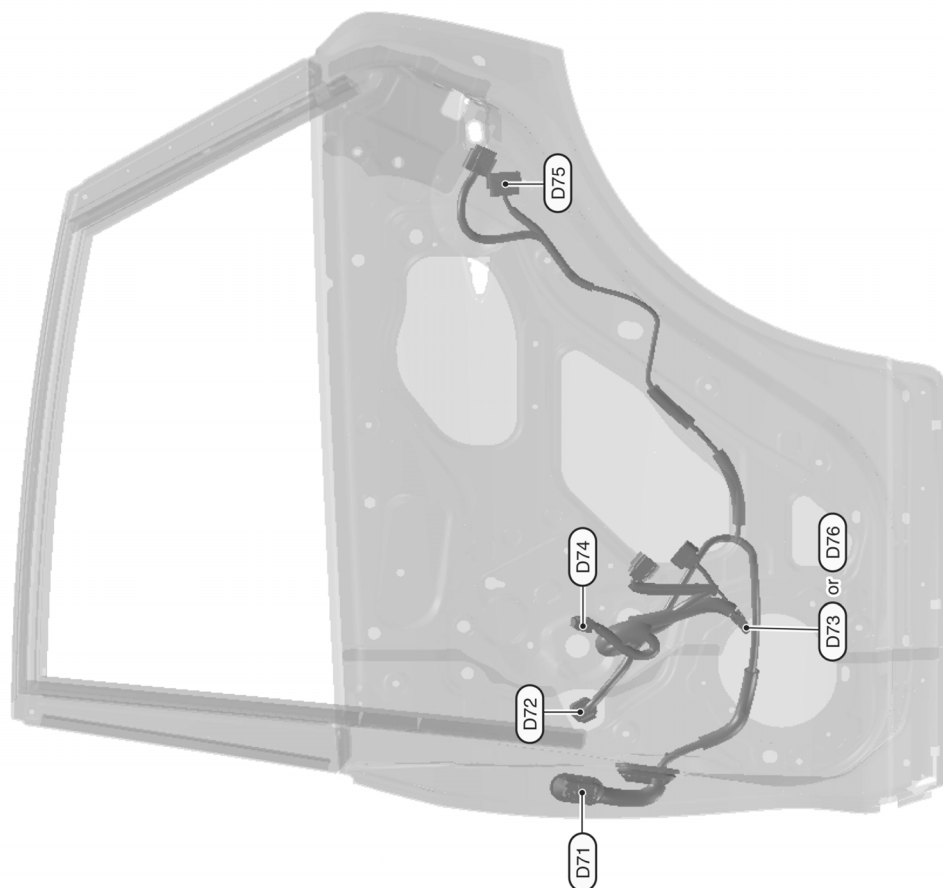
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HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

REAR DOOR HARNESS (RH SIDE)



REAR DOOR HARNESS (RH SIDE)

2012/06/11

JRMIC1855GB

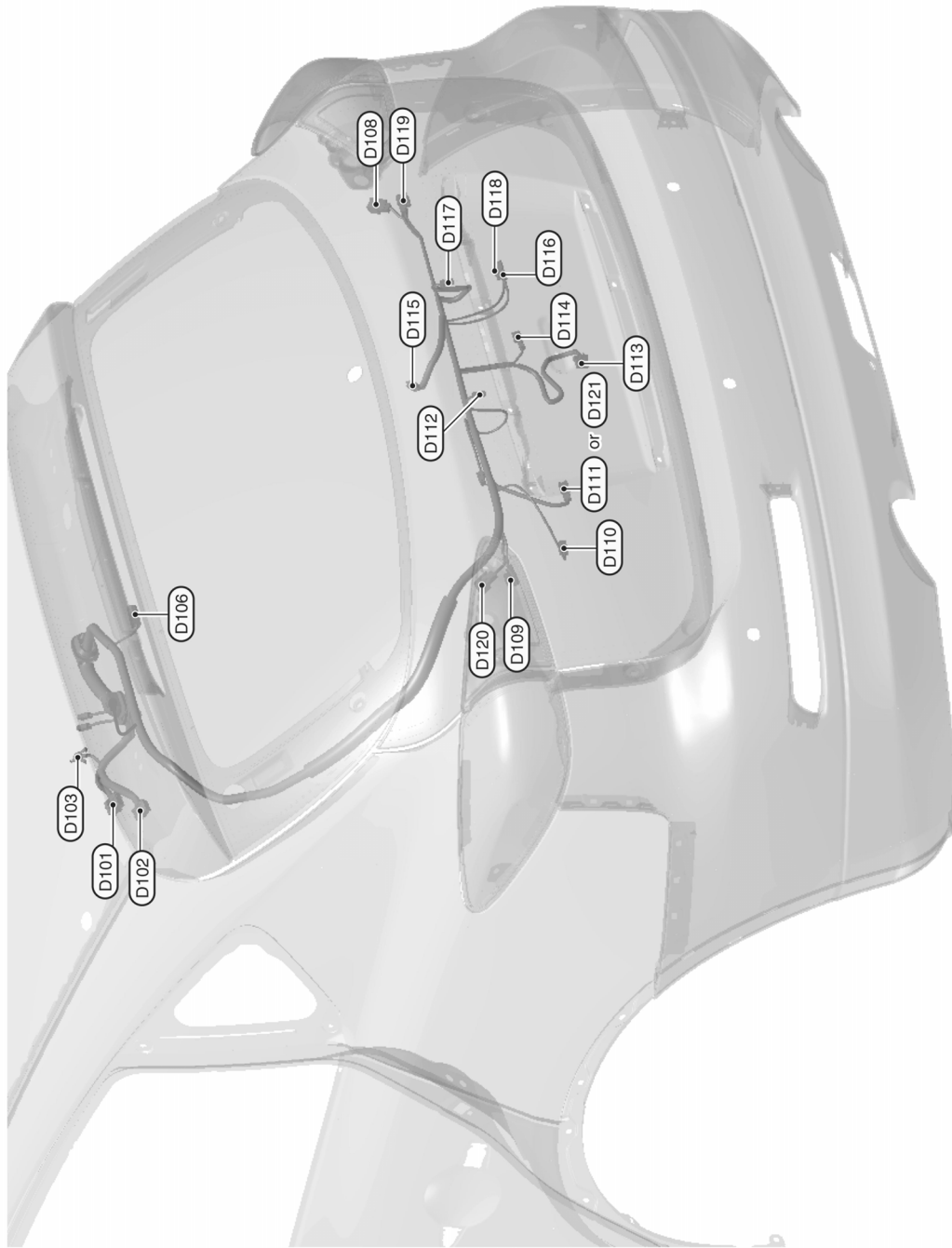
HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BACK DOOR HARNESS

BACK DOOR HARNESS



2014/03/21

JRMIC4486GB

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HARNESS LAYOUT

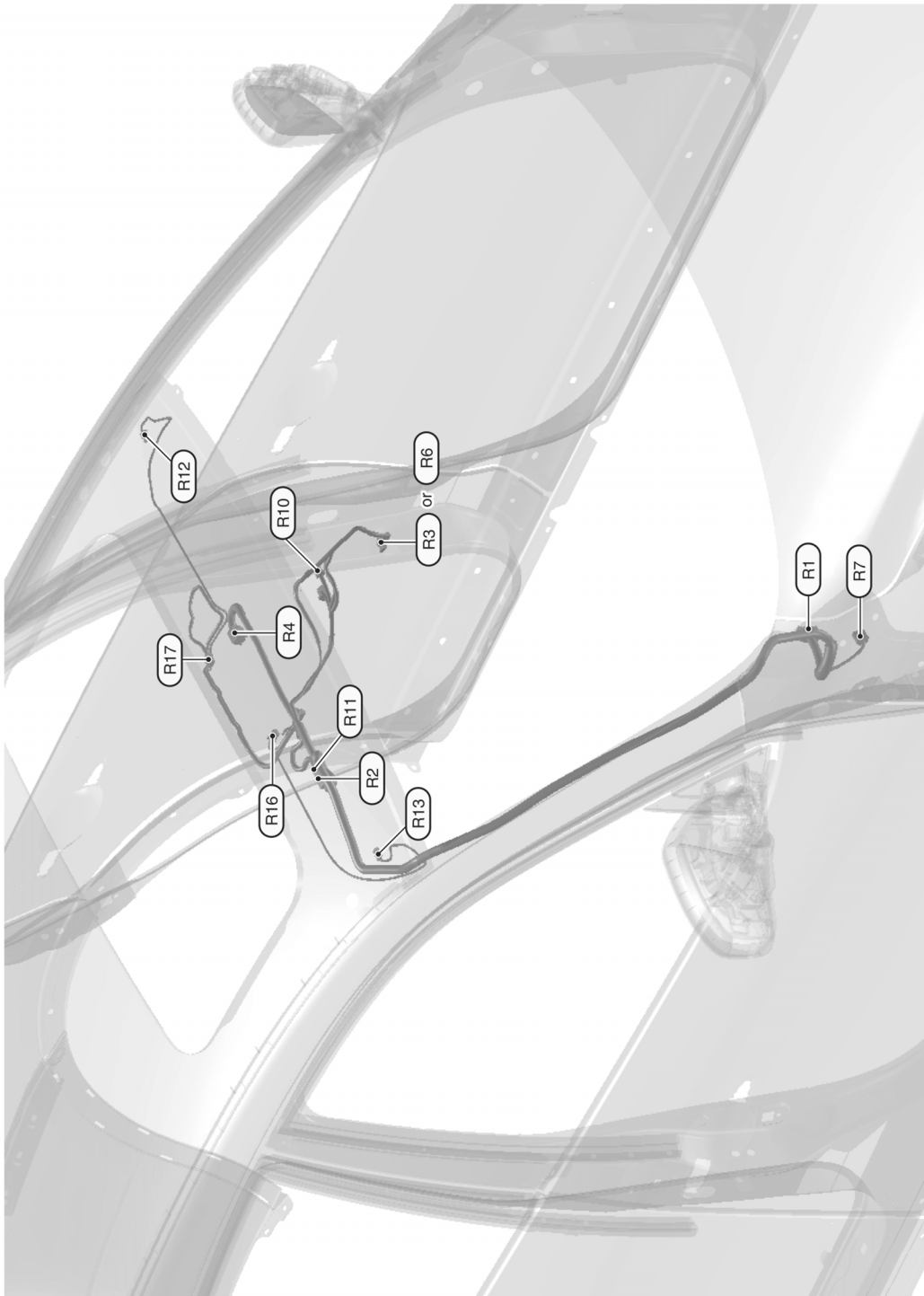
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Room Lamp Harness

INFOID:0000000010594942

ROOM LAMP HARNESS



2013/02/11

JRMIC2760GB

HARNESS CONNECTOR

Description

INFOID:000000010594943

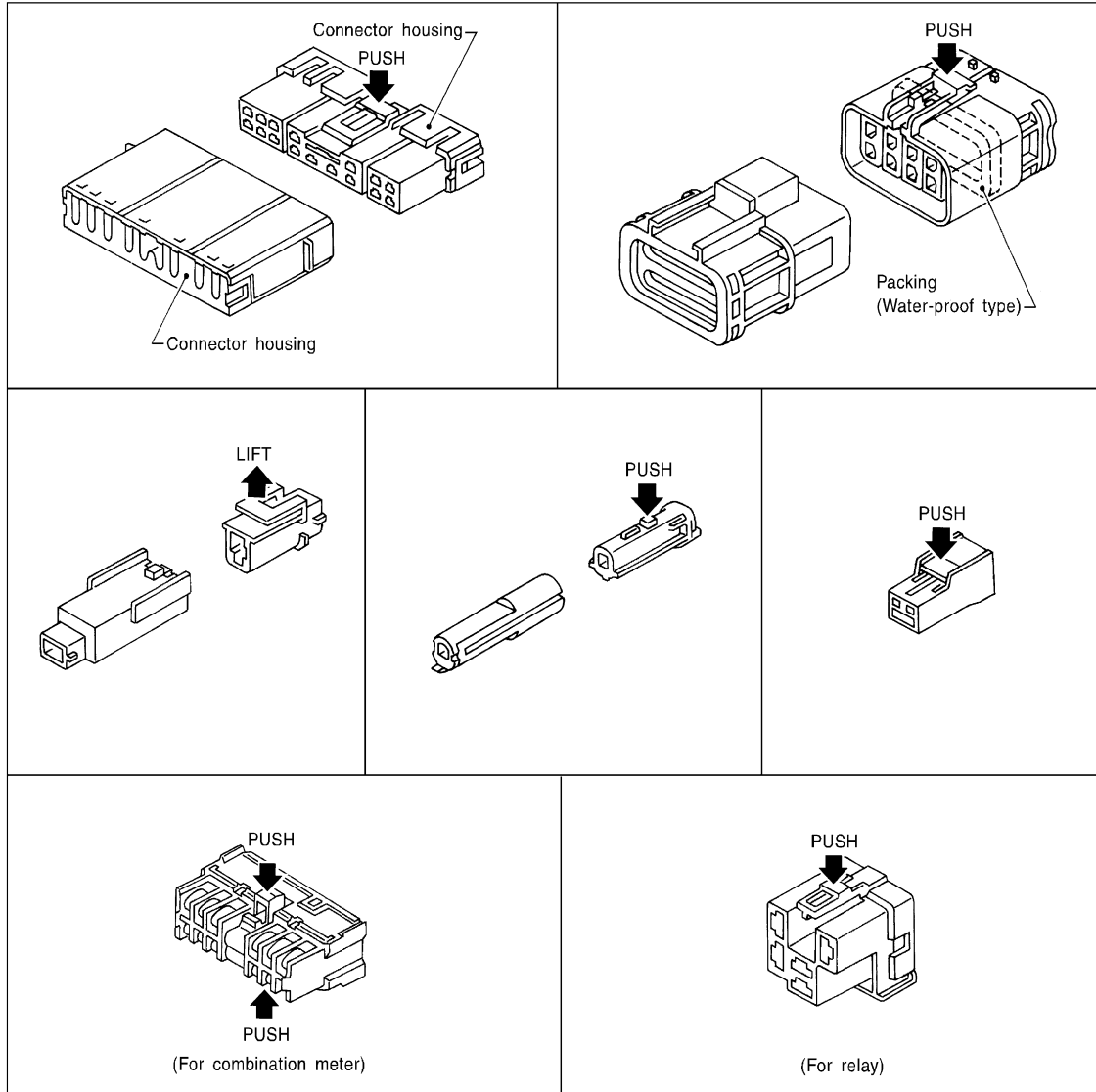
HARNESS CONNECTOR (TAB-LOCKING TYPE)

- 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

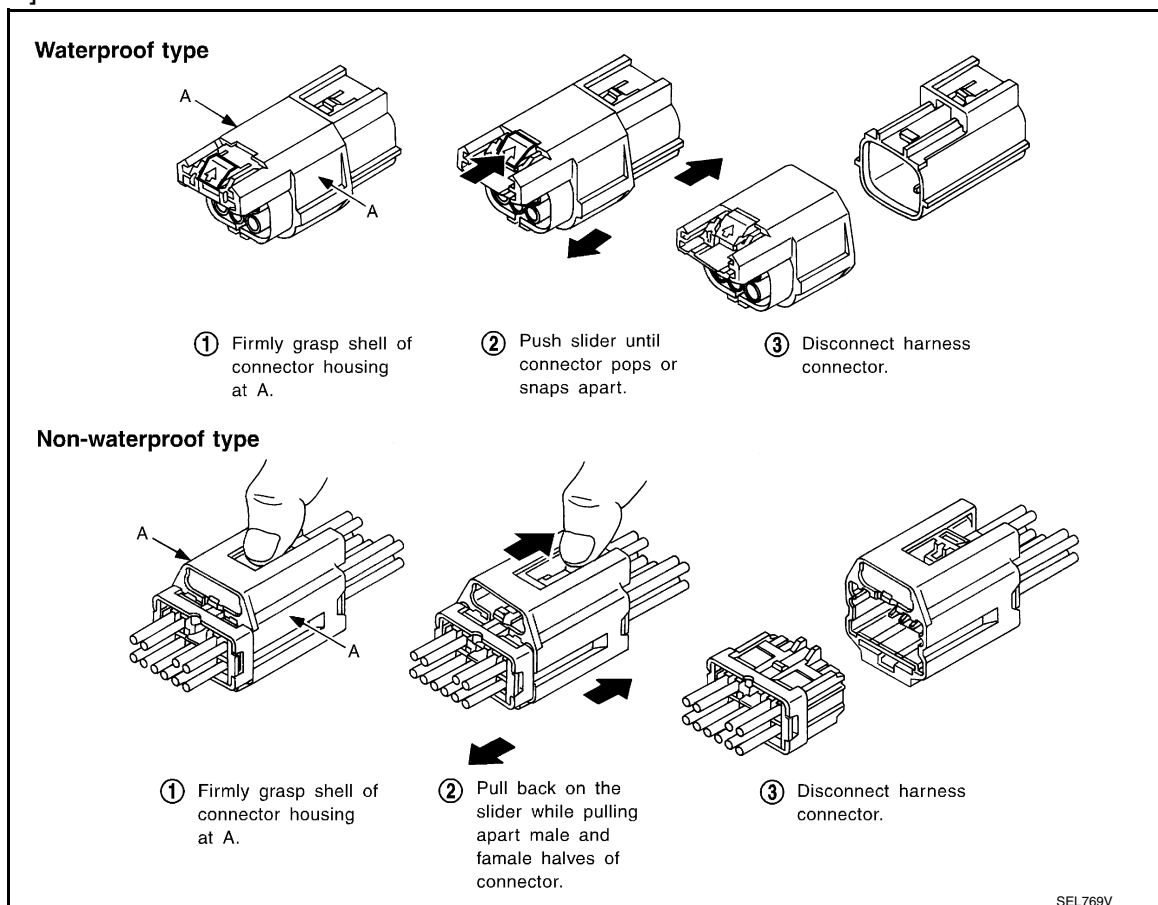
< DTC/CIRCUIT DIAGNOSIS >

[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.

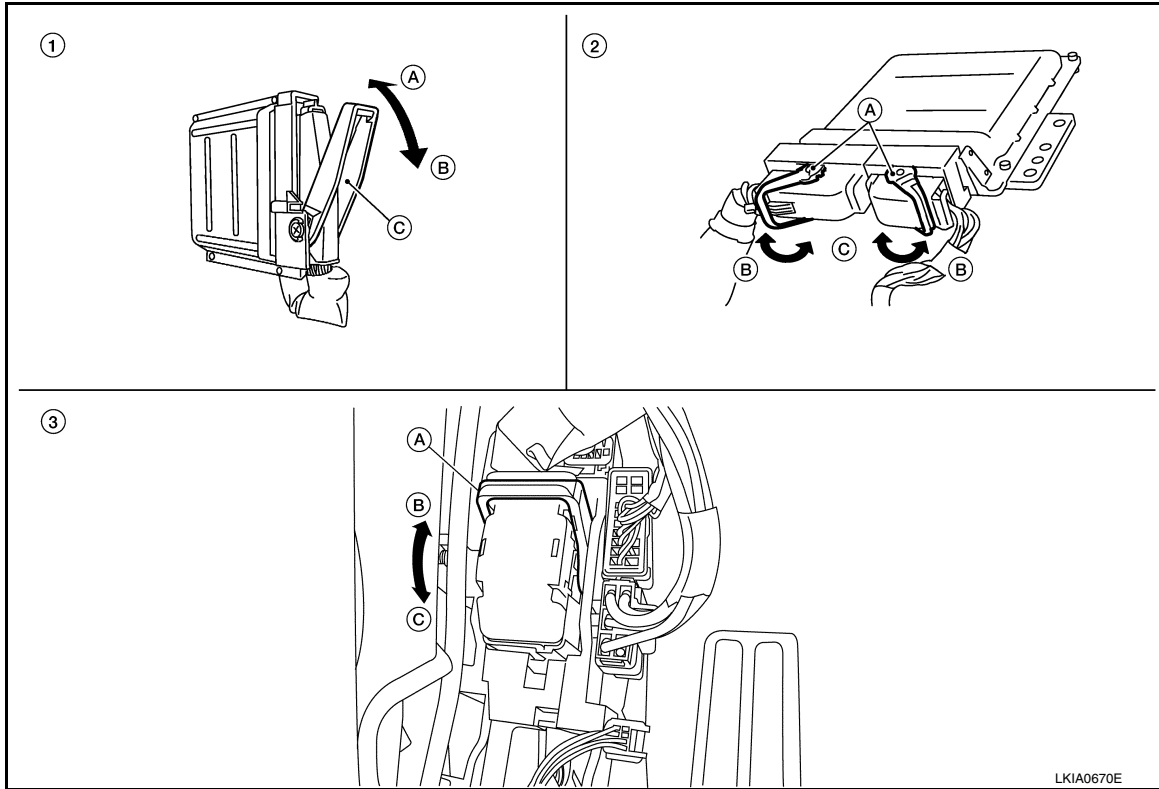
CAUTION:

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

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STANDARDIZED RELAY

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

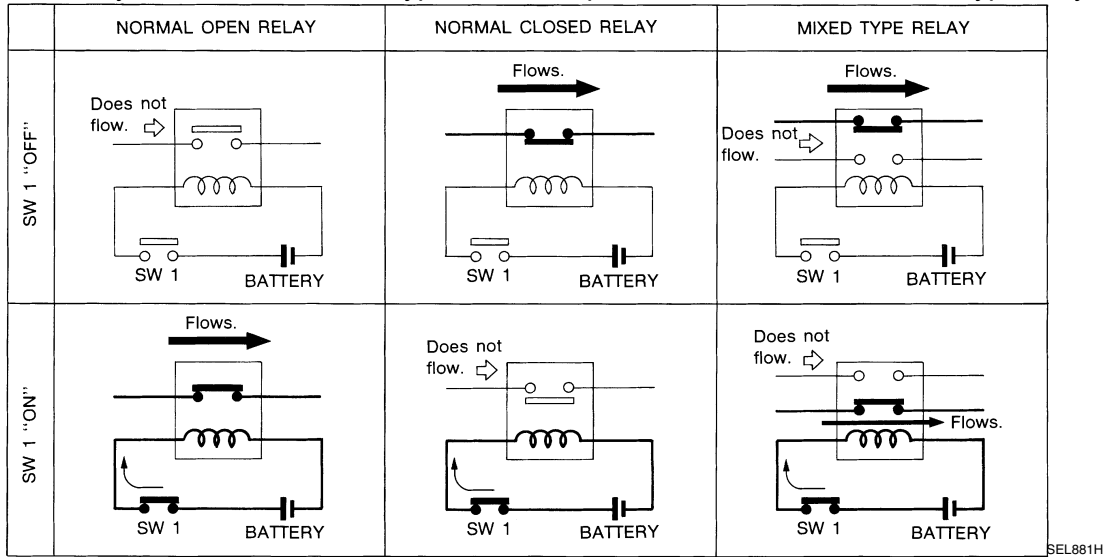
STANDARDIZED RELAY

Description

INFOID:000000010594944

NORMAL OPEN, NORMAL CLOSED AND MIXED TYPE RELAYS

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



SEL881H

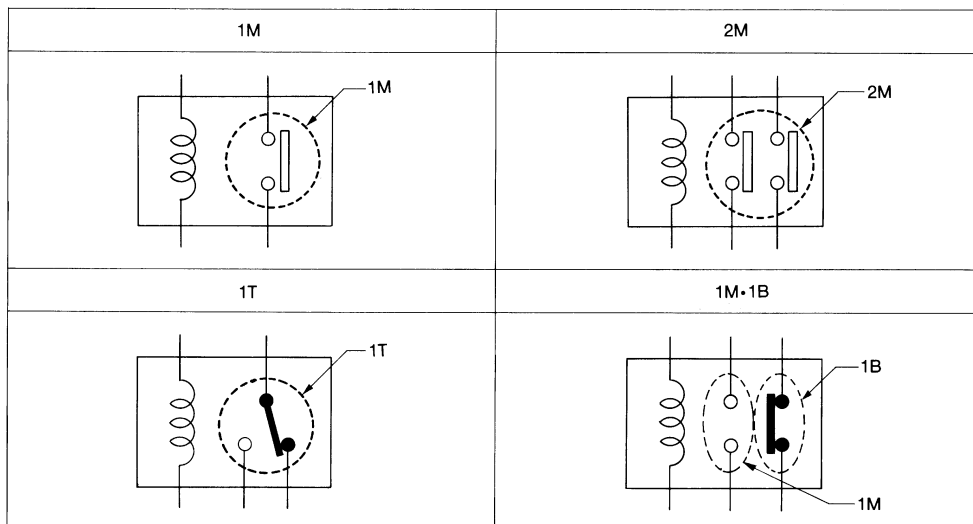
TYPE OF STANDARDIZED RELAYS

1M 1 Make

2M 2 Make

1T 1 Transfer

1M-1B 1 Make 1 Break

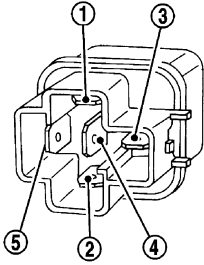
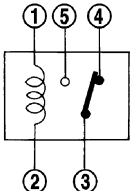
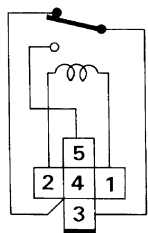
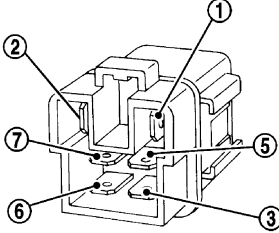
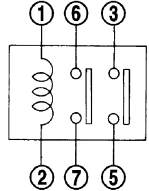
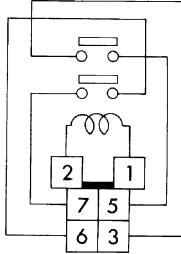
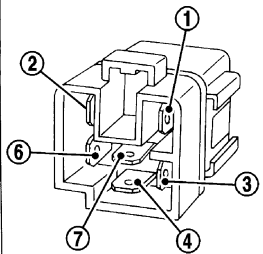
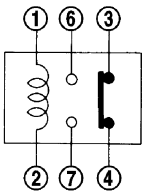
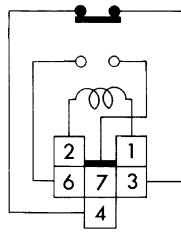
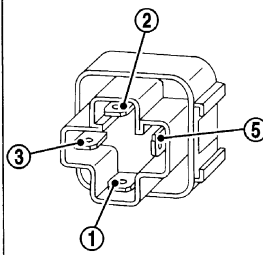
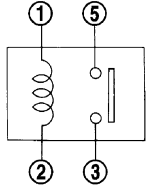
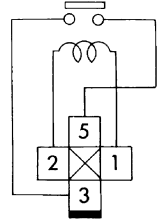
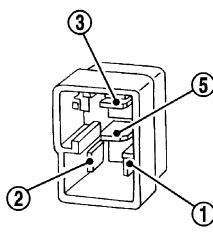
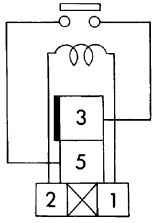


SEL882H

STANDARDIZED RELAY

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Type	Outer view	Circuit	Connector symbol and connection	Case color
1T				BLACK
2M				BROWN
1M•1B				GRAY
1M				BLUE
				

The arrangement of terminal numbers on the actual relays may differ from those shown above.

SEL188W

FUSE BLOCK - JUNCTION BOX (J/B)

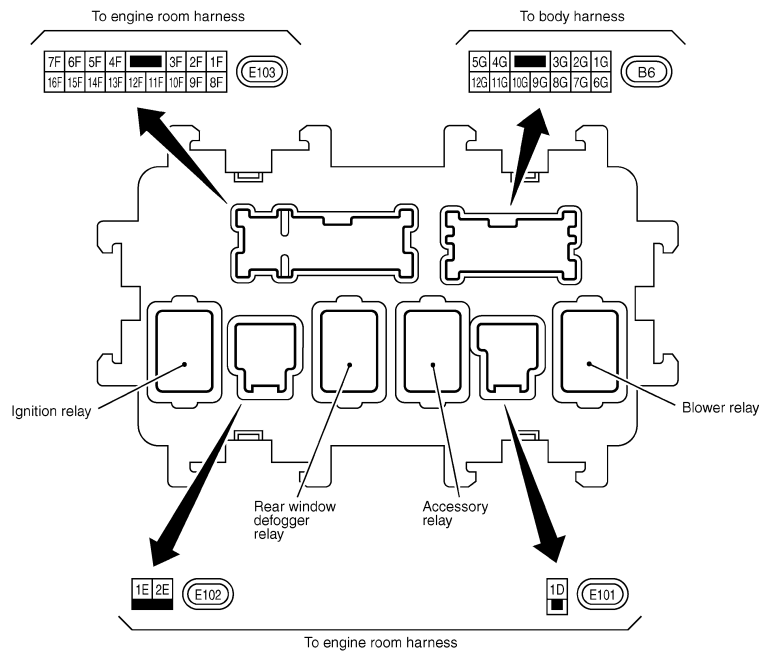
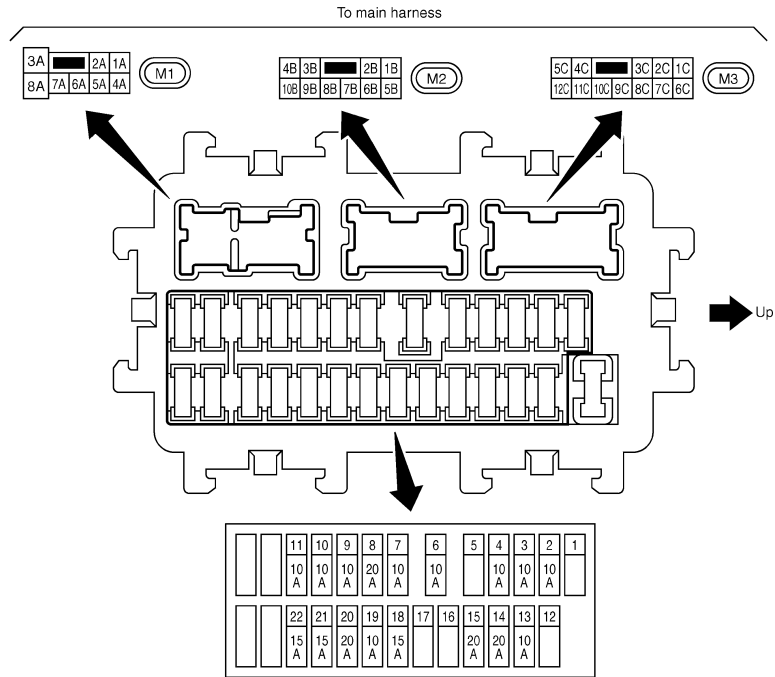
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

FUSE BLOCK - JUNCTION BOX (J/B)

Fuse, Connector and Terminal Arrangement

INFOID:000000010594945



2010/09/21

JCMWA6290GB

FUSE, FUSIBLE LINK AND RELAY BOX

< DTC/CIRCUIT DIAGNOSIS >

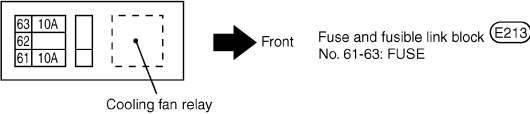
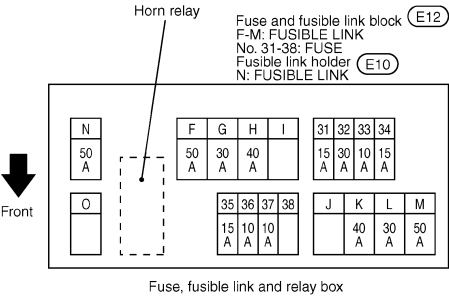
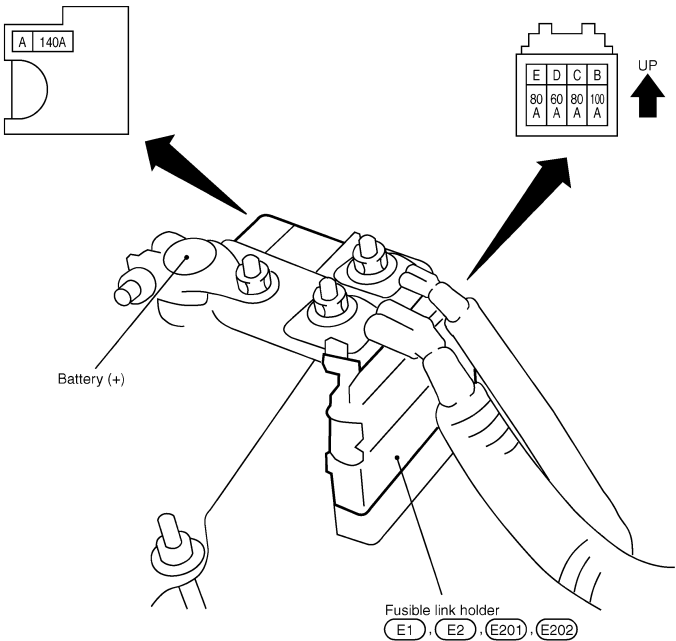
[POWER SUPPLY & GROUND CIRCUIT]

FUSE, FUSIBLE LINK AND RELAY BOX

Fuse and Fusible Link Arrangement

INFOID:000000010594946

FUSE, FUSIBLE LINK AND RELAY BOX Fuse and Fusible Link Arrangement



2012/06/11

JRMWD2736GB

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

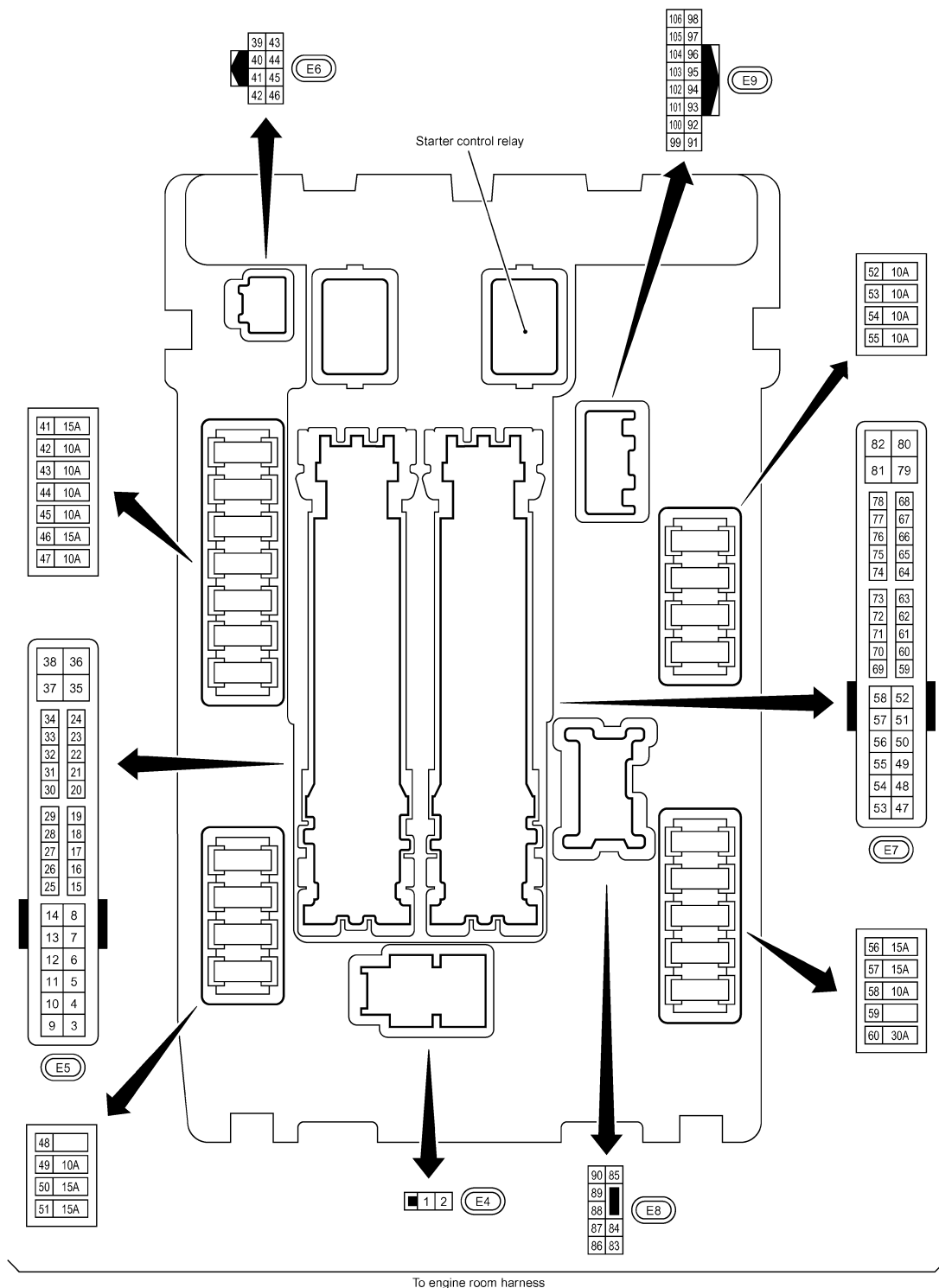
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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

Fuse, Connector and Terminal Arrangement

INFOID:000000010594947



2011/06/24

JRMWC4050GB

PRECAUTION

PRECAUTIONS

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

INFOID:000000010594948

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

WARNING:

Always observe the following items for preventing accidental activation.

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

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

WARNING:

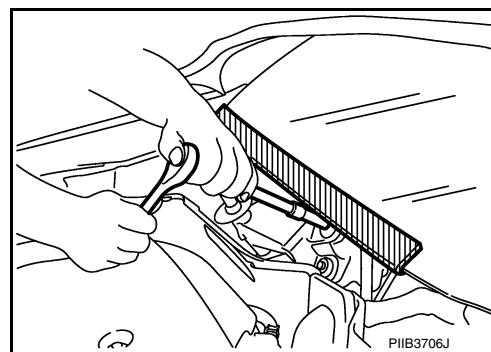
Always observe the following items for preventing accidental activation.

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

Precaution for Procedure without Cowl Top Cover

INFOID:000000010594949

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



PRECAUTIONS

< PRECAUTION >

[POWER SUPPLY & GROUND CIRCUIT]

Precautions for Removing Battery Terminal

INFOID:0000000011007601

- 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.

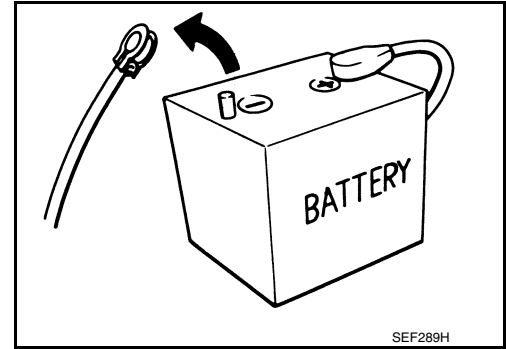
NOTE:

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.




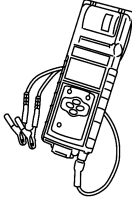
SEF289H

PREPARATION

PREPARATION

Special Service Tools

INFOID:0000000010594950

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

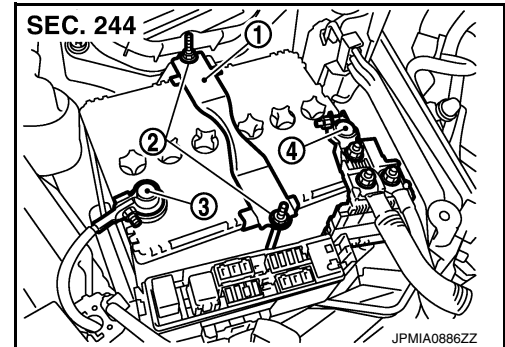
REMOVAL AND INSTALLATION

BATTERY

Exploded View

INFOID:000000010594951

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

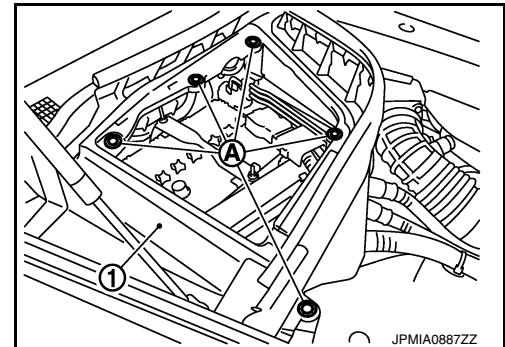


Removal and Installation

INFOID:000000010594952

REMOVAL

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

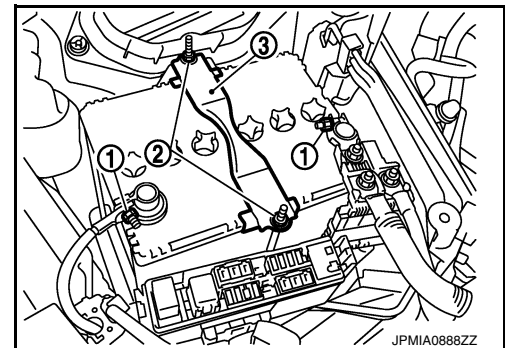


3. Remove cowl top cover RH. Refer to [EXT-22. "Exploded View"](#).
4. Remove cover of battery positive terminal.
5. Loosen battery terminal nuts (1), and disconnect both battery cables from battery terminals.

CAUTION:

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

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



INSTALLATION

Install in the reverse order of removal.

CAUTION:

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

Battery fix frame mounting nut

: 3.9 N·m (0.40 kg-m, 35 in-lb)

Battery terminal nut

: 5.4 N·m (0.55 kg-m, 48 in-lb)

BATTERY

< REMOVAL AND INSTALLATION >

[POWER SUPPLY & GROUND CIRCUIT]

Reset electronic systems as necessary. Refer to [GI-62. "ADDITIONAL SERVICE WHEN REMOVING BATTERY NEGATIVE TERMINAL : Required Procedure After Battery Disconnection"](#).

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BATTERY TERMINAL WITH FUSIBLE LINK

< REMOVAL AND INSTALLATION >

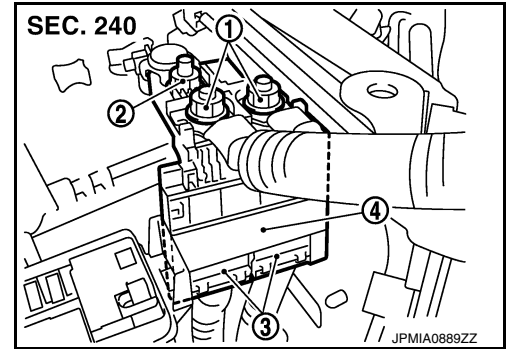
[POWER SUPPLY & GROUND CIRCUIT]

BATTERY TERMINAL WITH FUSIBLE LINK

Exploded View

INFOID:000000010594953

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

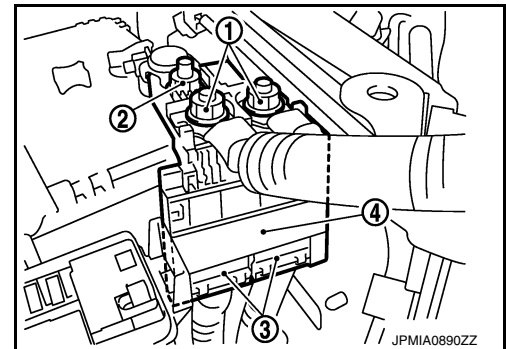


Removal and Installation

INFOID:000000010594954

REMOVAL

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



INSTALLATION

Install in the reverse order of removal.

Harness mounting nut

: 13.5 N·m (1.4 kg-m, 10 ft-lb)

Fusible link holder mounting nut

: 13.5 N·m (1.4 kg-m, 10 ft-lb)

SERVICE DATA AND SPECIFICATIONS (SDS)

< SERVICE DATA AND SPECIFICATIONS (SDS)

[POWER SUPPLY & GROUND CIRCUIT]

SERVICE DATA AND SPECIFICATIONS (SDS)

SERVICE DATA AND SPECIFICATIONS (SDS)

Battery

INFOID:0000000010594955

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

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