

PG

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

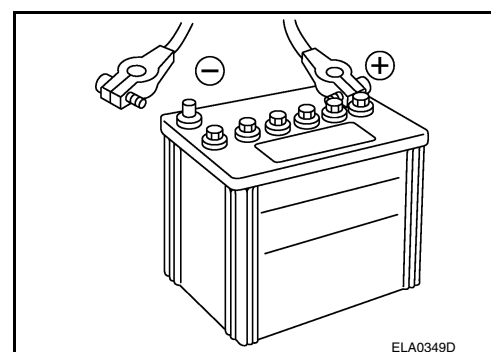
The following precautions must be taken to prevent over-discharging a battery.

- 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".



MEL040F

- 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.)



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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:

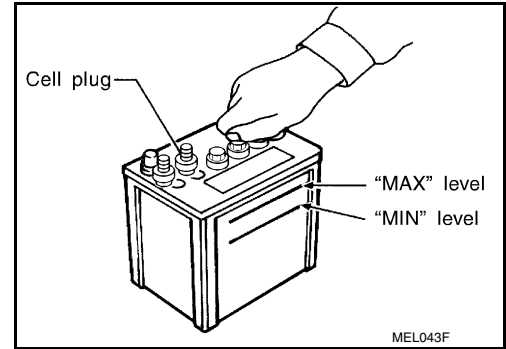
Never allow battery fluid to come in contact with skin, eyes, fabrics, or painted surfaces. After touching a battery, never touch or rub your eyes until you have thoroughly washed your hands. If acid contacts eyes, skin or clothing, immediately flush with water for 15 minutes and seek medical attention.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

BATTERY

< BASIC INSPECTION >

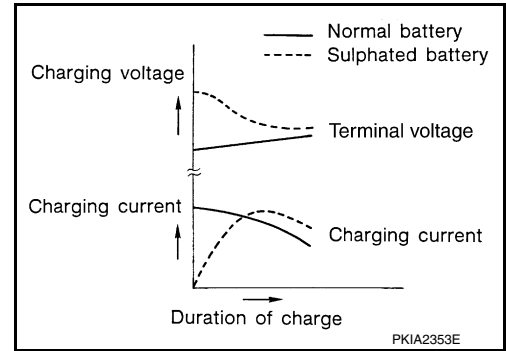
[POWER SUPPLY & GROUND CIRCUIT]

- 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.



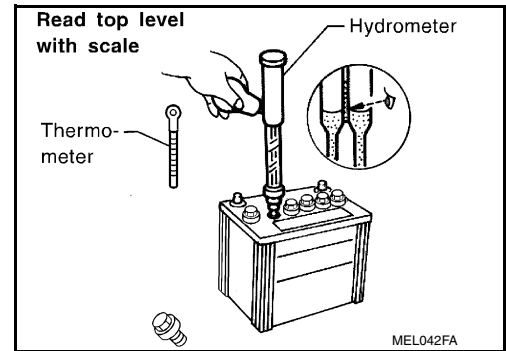
Specific Gravity Check

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)

Type	Approximate charge condition	Charge current (A)	Charge time (h)
80D23L	Fully charged	5	2
	3/4 charged		2.5
	1/2 charged		5
	1/4 charged		7.5
	Almost discharged		9
	Completely discharged		10
110D26L	Fully charged	7	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)

Type	Approximate charge condition	Charge current (A)	Charge time (h)
80D23L	Fully charged	—	—
	3/4 charged	13	0.5
	1/2 charged	26	
	1/4 charged		
	Almost discharged		
	Completely discharged	—	—

BATTERY

< BASIC INSPECTION >

[POWER SUPPLY & GROUND CIRCUIT]

Type	Approximate charge condition	Charge current (A)	Charge time (h)
110D26L	Fully charged	—	—
	3/4 charged	17	0.5
	1/2 charged	34	
	1/4 charged		
	Almost discharged		
	Completely discharged	—	—

NOTE:

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

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

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

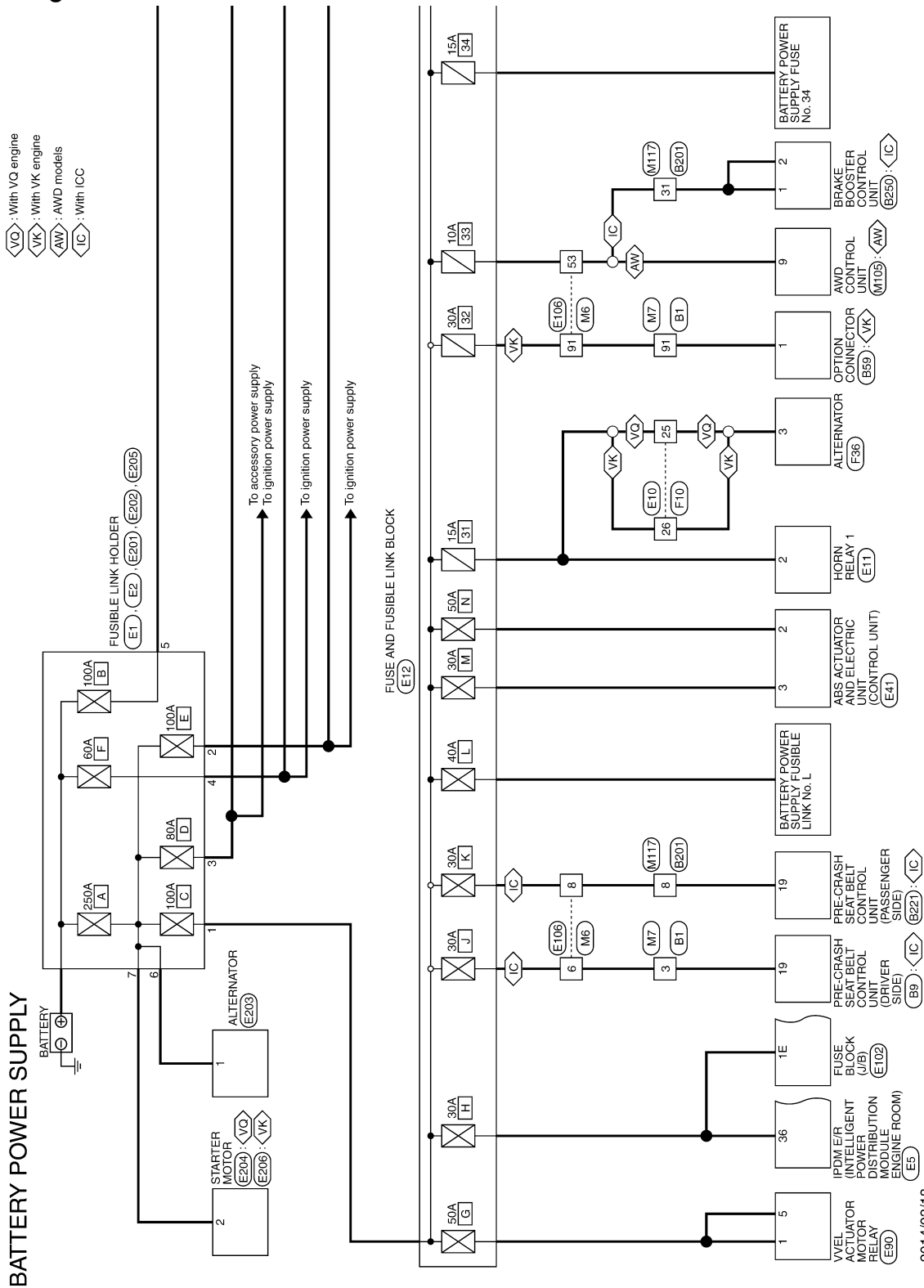
[POWER SUPPLY & GROUND CIRCUIT]

DTC/CIRCUIT DIAGNOSIS

POWER SUPPLY ROUTING CIRCUIT

Wiring Diagram - BATTERY POWER SUPPLY -

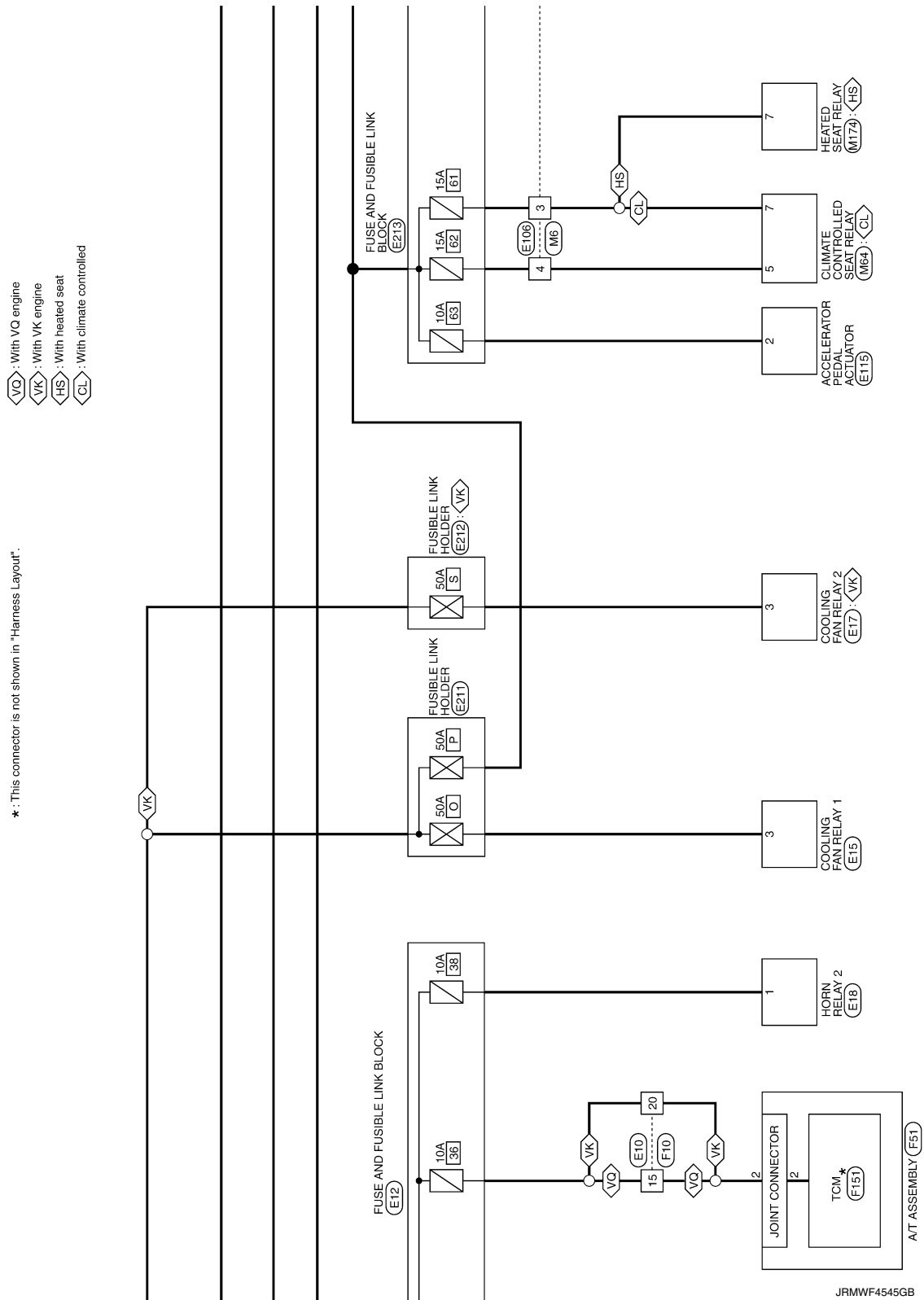
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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]



[POWER SUPPLY & GROUND CIRCUIT]

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

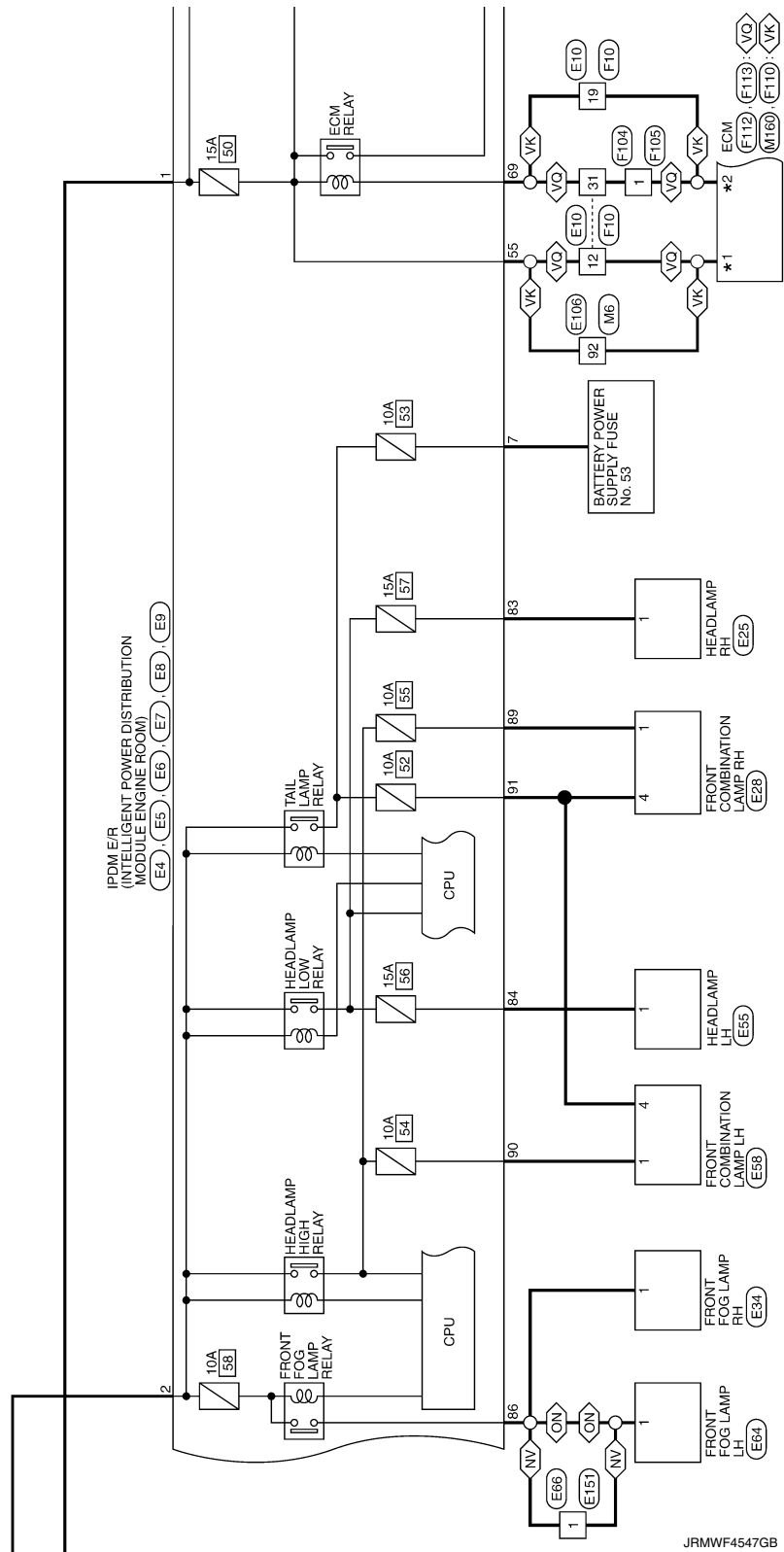


POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

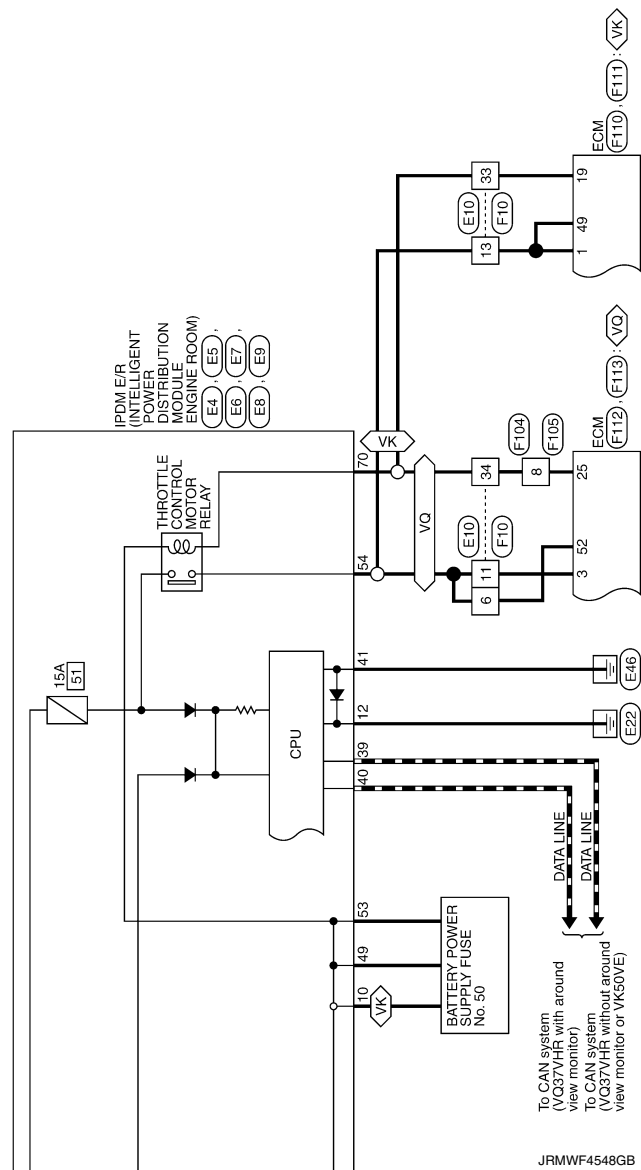
[POWER SUPPLY & GROUND CIRCUIT]

- *1 93 : <VQ> : With VQ engine
 118 : <VK> : With VK engine
 *2 24 : <VQ> : With NAVI
 15 : <ON> : Without NAVI



[POWER SUPPLY & GROUND CIRCUIT]

VQ : With VQ engine
VK : With VK engine



JRMWF4548GB

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY

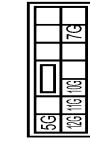
Connector No.	B1
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4



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

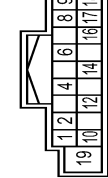
57	P	-
58	L	-
59	SHIELD	-
60	L	-
61	P	-
62	GR	-
63	G	-
64	B	-
65	W	-
66	V	-
67	LG	-
68	Y	-
69	G	-
70	GR	-
71	G	-
72	B	-
73	W	-
74	V	-
75	RG	-
76	LG	-
77	L	-
78	GR	-
79	W	-
80	L	-
81	P	-
82	L	-
83	P	-
84	SB	-
85	R	-
86	Y	-
87	B	-
88	G	-
89	BR	-
90	BR	-
91	R	-
92	B	-
93	BR	-
94	V	-
95	B	-
96	W	-
97	W	-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

Connector No.	B6
Connector Name	FUSE BLOCK (JIB)
Connector Type	INST2FBR-CS



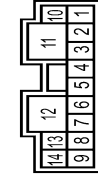
Terminal No.	Color	Wire	Signal Name [Specification]
10G	W	-	-
11G	W	-	-
12G	GR	-	-
5G	LG	-	-
7G	B	-	-

Connector No.	B9
Connector Name	PRE-CLASH SEAT BELT CONTROL UNIT (DRIVER SIDE)
Connector Type	TH18FW-CS2



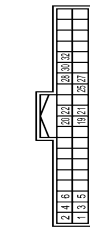
Terminal No.	Color	Wire	Signal Name [Specification]
1	SB	-	SIG BAT
2	G	-	OUT 1
4	P	-	CAN LO
6	LG	-	BUCKLE SW LH NO
8	G	-	LOCAL COMM 2
9	BR	-	SHIELD GND
10	B	-	SENS POWER 1
12	R	-	OUT 2
14	L	-	CAN HI
16	W	-	LOCAL COMM 1
17	W	-	SENS GND 1
18	B	-	SIG GND
19	W	-	MOTOR BAT
20	B	-	MOTOR GND

Connector No.	B42
Connector Name	BOSE AMP.
Connector Type	SGA12FBR-SJA2



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

Connector No.	B46
Connector Name	AROUND VIEW MONITOR CONTROL UNIT
Connector Type	TH40FW-NH



Terminal No.	Color	Wire	Signal Name [Specification]
1	B	-	GROUND
2	Y	-	BATTERY
3	G	-	IGNITION SIGNAL
4	LG	-	ACC
5	LG	-	-

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY

Connector No.	B60	REAR COMBINATION LAMP LH
19	SB	AV COMM (H)
20	LG	AV COMM (L)
21	SB	AV COMM (H)
22	LG	AV COMM (L)
25	BG	REVERSE SIGNAL
27	L	CANH
28	P	CANH
30	SB	RETRACT MOTOR OPERATION SIGNAL (OPEN)
32	R	RETRACT MOTOR OPERATION SIGNAL (CLOSE)



Connector No.	B51	WOOFER
Connector Name	WOOFER	
Connector Type	FS06GY-PR	



Terminal No.	Wire	Signal Name [Specification]
1	R	SOUND SIGNAL WOOFER (-)
2	G	SOUND SIGNAL WOOFER (+)
4	GR	WOOFER AMP. ON SIGNAL
5	B	GROUND
6	W	BATTERY

Connector No.	B59	OPTION CONNECTOR
Connector Name	OPTION CONNECTOR	
Connector Type	M07FW-LC	



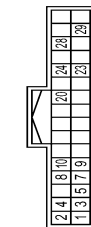
Terminal No.	Wire	Signal Name [Specification]
1	R	

Connector No.	B60	REAR COMBINATION LAMP LH
Connector Name	REAR COMBINATION LAMP LH	
Connector Type	TH04MW-AH	



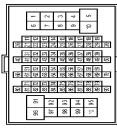
Terminal No.	Wire	Signal Name [Specification]
1	R	
2	LG	
3	G	
4	B	

Connector No.	B87	TEL ADAPTER UNIT
Connector Name	TEL ADAPTER UNIT	
Connector Type	TH02FW-NH	



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

Connector No.	B201	WIRE TO WIRE
Connector Name	WIRE TO WIRE	
Connector Type	TH00FW-LCS16-TM4	



Terminal No.	Wire	Signal Name [Specification]
1	G	
2	R	
3	BR	
4	SB	
6	BG	
7	GR	
8	W	
10	G	
11	SHIELD	
20	L	
21	P	
22	GR	
23	LG	
24	W	
25	V	
26	G	
27	Y	
28	SHIELD	
31	W	
32	GR	
33	SB	
36	L	
37	P	
38	L	
39	P	
40	LG	
40	V	
41	SB	
41	Y	
42	V	
42	W	
43	B	
43	BR	
44	R	
45	G	
46	BG	

Terminal No.	Wire	Signal Name [Specification]
46	SHIELD	
47	B	
47	L	
48	P	
48	R	
49	G	
49	W	
50	SHIELD	
51	W	
52	R	
53	G	
54	L	
55	SB	
60	GR	
61	LG	
62	SB	
63	P	
64	BR	
65	BR	
66	Y	
67	W	
69	G	
71	SB	
72	V	
73	LG	
74	W	
75	BR	
76	V	
77	LG	
80	BG	
82	P	
83	Y	
84	R	
85	SB	
86	GR	
87	L	
91	V	
92	W	
93	R	
94	LG	
95	GR	
96	W	
97	G	
98	BG	
99	L	

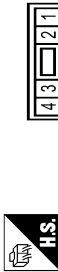
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY

Connector No.	B204
Connector Name	WIRE TO WIRE
Connector Type	NS10FW-CS

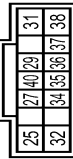


Terminal No.	Color Of Wire	Signal Name [Specification]
3	Y	-
4	W	-
9	BG	-
10	SHIELD	-

Connector No.	B208
Connector Name	AUTOMATIC BACK DOOR CONTROL UNIT
Connector Type	YE10FGY-YH44



Terminal No.	Color Of Wire	Signal Name [Specification]
25	W	BAT
27	BR	P_BID LH MTR OPEN
29	W	P_BID RH MTR OPEN
31	L/Y	LATCH MTR OPEN
32	B	GROUND
34	G	P_BID LH MTR CLOSE
35	SHIELD	SPINDLE NOISE
36	B	P_BID RH MTR CLOSE
37	L	BUZZER
38	L/B	LATCH MTR CLOSE
40	SHIELD	NOISE_SHILD



Connector No.	B221
Connector Name	PRE-CLASH SEAT BELT CONTROL UNIT (PASSENGER SIDE)
Connector Type	TH18FM-CS2



Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	SIG BAT
6	V	BUCKLE SW RH NO
8	G	LOCAL COMM 2
16	W	LOCAL COMM 1
18	B	SIG GND
19	W	MOTOR BAT
20	B	MOTOR GND

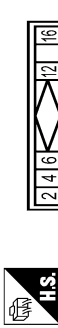
Connector No.	B232
Connector Name	REAR COMBINATION LAMP RH
Connector Type	TH44MW-NH



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



Connector No.	B236
Connector Name	SATELLITE RADIO TUNER
Connector Type	IA16FW

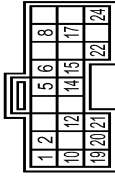


Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	SATELLITE RADIO SOUND SIGNAL LH (L)
2	B	SATELLITE RADIO SOUND SIGNAL LH (R)
3	R	SATELLITE RADIO SOUND SIGNAL RH (L)
4	G	SATELLITE RADIO SOUND SIGNAL RH (R)
5	SHIELD	SHIELD
6	SHIELD	SHIELD
8	W	REQUEST (SAT->CONT)
9	B	COMM (SAT->CONT)
10	R	COMM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

Connector No.	B250
Connector Name	BRAKE BOOSTER CONTROL UNIT
Connector Type	TK24FW



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	BATTERY
2	W	BATTERY
5	P	ITS COMM-L
6	SB	RELEASE SW PWR
8	R	BRAKE PRESSURE SEN PWR
10	G	BOOSTER SOL PWR
12	R	BOOSTER SOL GND
14	L	ITS COMM-H
15	V	RELEASE SW (NC)



17	G	BRAKE PRESSURE SEN SIGNAL
19	B	GROUND
20	B	GROUND
21	GR	CHIME SIGNAL
22	BR	RELEASE SW (NO)
24	BG	BRAKE PRESSURE SEN GND

Connector No.	B253
Connector Name	EVAP CANISTER VENT CONTROL VALVE
Connector Type	E02FB-RS

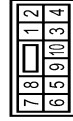


Terminal No.	Color Of Wire	Signal Name [Specification]
1	P	-
2	L	-

Connector No.	B434
Connector Name	POWER SEAT SWITCH
Connector Type	NS10FW-CS



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



POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY

Connector No.	B452
Connector Name	DRIVER SEAT CONTROL UNIT
Connector Type	NS16FW-CS



33	35	36	37	38	39
40	42	44	45	46	48

Terminal No.	Color Of Wire	Signal Name [Specification]
33	R	BAT (CB)
35	W/R	SLIDING MOTOR (FORWARD)
36	GY	RECLINING MOTOR (FORWARD)
37	GY	FRONT LIFTING MOTOR (DOWNWARD)
38	GY	REAR LIFTING MOTOR (UPWARD)
39	RB	REAR LIFTING MOTOR (DOWNWARD)
40	RW	BAT (FUSE)
42	WB	SLIDING MOTOR (BACKWARD)
44	P	RECLINING MOTOR (BACKWARD)
45	L/R	FRONT LIFTING MOTOR (UPWARD)
48	B	GND (POWER)

Connector No.	B457
Connector Name	LUMBAR SUPPORT SWITCH
Connector Type	NS04FW-CS



58	57	48	33
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Terminal No.	Color Of Wire	Signal Name [Specification]
33	R	
48	B	
57	W	
58	L	

Connector No.	B467
Connector Name	SIDE SUPPORT UNIT
Connector Type	NS06FW-CS



33	35	36	37	38	39
40	42	44	45	46	48

Terminal No.	Color Of Wire	Signal Name [Specification]
33	R	
48	B	
52	B	
53	R	
54	W	
55	L	

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



3	5	6	7	2	1	4
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Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	
2	BR	
3	GR	
4	B	
5	Y	
6	O	
7	LG	

Connector No.	D112
Connector Name	LICENSE PLATE LAMP LH
Connector Type	TK02FBR



2	1
---	---

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

Connector No.	D117
Connector Name	LICENSE PLATE LAMP RH
Connector Type	TK02FBR



2	1
---	---

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

Connector No.	E1
Connector Name	FUSIBLE LINK HOLDER
Connector Type	L02FBR-MC



1	2
---	---

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

Connector No.	E2
Connector Name	FUSIBLE LINK HOLDER
Connector Type	L02FGY-MC



3	4
---	---

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

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY

Connector No.	E4
Connector Name	IPDM/ER INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	L02FB/MC



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

Connector No.	E5
Connector Name	IPDM/ER INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	T120F/M-CT2-M4-1V



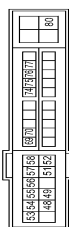
Terminal No.	Color Of Wire	Signal Name [Specification]
4	V	-
5	L	-
7	R	-
10	SB	-
12	B	-
13	Y	-
16	LG	-
19	W	-
25	G	-
26	R	-
27	Y	-
28	BG	-
30	GR	-
36	G	-

Connector No.	E6
Connector Name	IPDM/ER INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	T108F/M-AH



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

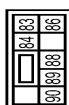
Connector No.	E7
Connector Name	IPDM/ER INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	T120F/M-CT2-M4



Terminal No.	Color Of Wire	Signal Name [Specification]
48	L	-
49	SB	- [With VK engine]
49	W	- [With VK engine]
51	G	-
52	W	-
53	W	-
54	R	-
55	BR	-
56	BG	- [With VK engine]
56	V	- [With VK engine]
57	LG	-
58	Y	-

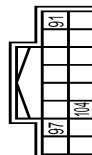
69	W	-
70	BG	-
74	G	-
75	Y	-
76	P	- [With VK engine]
76	V	- [With VK engine]
77	B	- [With VK engine]
77	L	- [With VK engine]
80	W	-

Connector No.	E8
Connector Name	IPDM/ER INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	NS08F/M-CS



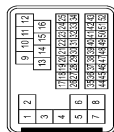
Terminal No.	Color Of Wire	Signal Name [Specification]
83	R	-
84	P	-
86	W	-
88	G	-
89	BR	-
90	Y	-

Connector No.	E9
Connector Name	IPDM/ER INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	T116F/M-AH



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

Connector No.	E10
Connector Name	WIRE TO WIRE
Connector Type	ISAA36MB-RS9-SH28



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

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY

22	G	- [With VQ engine]
22	W	- [With VQ engine]
23	R	- [With VQ engine]
23	V	- [With VQ engine]
24	G	- [With VQ engine]
24	Y	- [With VQ engine]
25	LG	-
26	LG	-
27	G	- [With VQ engine]
27	GR	- [With VQ engine]
28	GR	- [With VQ engine]
28	V	- [With VQ engine]
29	P	-
30	L	- [With VQ engine]
30	W	- [With VQ engine]
31	G	- [With VQ engine]
31	W	- [With VQ engine]
32	L	- [With VQ engine]
32	V	- [With VQ engine]
33	BG	- [With VQ engine]
33	W	- [With VQ engine]
34	BG	-
35	R	-
36	SHIELD	-
37	Y	- [With VQ engine]
38	L	- [With VQ engine]
38	SHIELD	- [With VQ engine]
39	P	- [With VQ engine]
39	W	- [With VQ engine]
40	R	- [With VQ engine]
40	SHIELD	- [With VQ engine]
41	W	- [With VQ engine]
41	Y	- [With VQ engine]
42	LG	- [With VQ engine]
42	SHIELD	- [With VQ engine]
43	G	- [With VQ engine]
43	W	- [With VQ engine]
44	G	-
45	L	-
46	G	- [With VQ engine]
46	SHIELD	- [With VQ engine]
47	B	- [With VQ engine]
47	W	- [With VQ engine]
48	BR	- [With VQ engine]
48	R	- [With VQ engine]
49	G	- [With VQ engine]
49	L	- [With VQ engine]
50	B	- [With VQ engine]
50	G	- [With VQ engine]

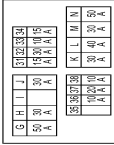
51	B	- [With VK engine]
51	SB	- [With VQ engine]
52	R	-

Connector No.	E11
Connector Name	HORN RELAY 1
Connector Type	24381 7990A



Terminal No.	Signal Name [Specification]
1	W
2	BR
3	G

Connector No.	E12
Connector Name	FUSE AND FUSIBLE LINK BLOCK
Connector Type	24381 7990A



Terminal No.	Color	Wire	Signal Name [Specification]
31	BR	-	
32	GR	-	
33	BG	-	
34	Y	-	
36	BR	-	
37	L	-	
38	P	-	
G	R	- [With VQ engine]	
H	GR	- [With VQ engine]	
J	W	-	
K	V	-	

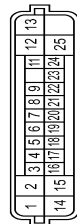
L	W	-
M	R	-
N	G	-

Connector No.	E15
Connector Name	COOLING FAN RELAY 1
Connector Type	24347 9F900



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

Connector No.	E16
Connector Name	VVEL CONTROL MODULE
Connector Type	RH18FB-AJ26-LH



Terminal No.	Color	Wire	Signal Name [Specification]
1	W	-	VVEL ACTUATOR MOTOR POWER SUPPLY (BANK 2)
2	BR	-	VVEL ACTUATOR MOTOR (HIGH LIFT) (BANK2)
3	G	-	VVEL CONTROL SWIFT POSITION SENSOR 1 (BANK 2) (VQ engine)
4	B	-	SENSOR GROUND [With VQ engine]
5	R	-	VVEL CONTROL SWIFT POSITION SENSOR 1 (BANK 2)
6	B	-	SENSOR GROUND
7	SB	-	SENSOR POWER SUPPLY [With VQ engine]
8	BG	-	POWER SUPPLY FOR VVEL CONTROL MODULE (BANK 2) (VQ engine)

8	R	POWER SUPPLY FOR VVEL CONTROL MODULE (BANK 1) (VQ engine)
9	LG	SENSOR POWER SUPPLY [With VQ engine]
9	W	SENSOR POWER SUPPLY [With VQ engine]
11	G	ENG COMMUNICATION LINE
12	G	VVEL ACTUATOR MOTOR (HIGH LIFT) (BANK 1)
13	W	VVEL ACTUATOR MOTOR POWER SUPPLY (BANK 1)
14	B	VVEL CONTROL MODULE GROUND
15	G	VVEL ACTUATOR MOTOR (LOW LIFT) (BANK 2)
16	G	VVEL CONTROL SWIFT POSITION SENSOR 2 (BANK 1) (VQ engine)
16	R	SENSOR GROUND
17	L	VVEL CONTROL SWIFT POSITION SENSOR 2 (BANK 2)
19	L	SENSOR GROUND [With VQ engine]
19	W	SENSOR POWER SUPPLY [With VQ engine]
20	BR	SENSOR POWER SUPPLY [With VQ engine]
20	Y	VVEL ACTUATOR MOTOR (LOW LIFT) (BANK 1)
21	V	VVEL ACTUATOR MOTOR (LOW LIFT) (BANK 1)
22	P	SENSOR POWER SUPPLY [With VQ engine]
22	Y	SENSOR POWER SUPPLY [With VQ engine]
23	L	VVEL CONTROL MOTOR RELAY (BANK 1) (VQ engine)
23	Y	VVEL CONTROL MOTOR RELAY (BANK 1) (VQ engine)
24	R	ENG COMMUNICATION LINE
25	BR	VVEL ACTUATOR MOTOR (LOW LIFT) (BANK 1)

Connector No.	E17
Connector Name	COOLING FAN RELAY 2
Connector Type	24347 9F900



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

JRMWF4554GB

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY

Connector No.	E18
Connector Name	HORN RELAY 2
Connector Type	M03FW-R-LC



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

Connector No.	E25
Connector Name	HEADLAMP RH
Connector Type	E02FGY-RS



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

Connector No.	E28
Connector Name	FRONT COMBINATION LAMP RH
Connector Type	RS04FB-FR



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

Connector No.	E34
Connector Name	FRONT FOG LAMP RH
Connector Type	F-H202FB



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

Connector No.	E41
Connector Name	ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT)
Connector Type	BAA42FB-AH2-LH



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

Connector No.	E55
Connector Name	HEADLAMP LH
Connector Type	E02FGY-RS



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

Connector No.	E58
Connector Name	FRONT COMBINATION LAMP LH
Connector Type	RS04FB-FR



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

JRMWF4555GB

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY

Connector No.	E64
Connector Name	FRONT FOG LAMP LH
Connector Type	FHZ02FB



Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	- [Without around view monitor]
1	GR	- [With around view monitor]
2	BW	- [Without around view monitor]
2	GR	- [With around view monitor]

Connector No.	E66
Connector Name	WIRE TO WIRE
Connector Type	RS08FB-PR



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

Connector No.	E80
Connector Name	INTELLIGENT KEY WARNING BUZZER (ENGINE ROOM)
Connector Type	RK03FBR



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

Connector No.	E90
Connector Name	VVEL ACTUATOR MOTOR RELAY
Connector Type	24347 9F900



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

Connector No.	E91
Connector Name	ICC BRAKE HOLD RELAY
Connector Type	M08FGY-R-US



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

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



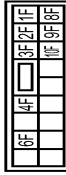
Terminal No.	Color Of Wire	Signal Name [Specification]
1D	R	-

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



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

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



Terminal No.	Color Of Wire	Signal Name [Specification]
10F	L	-
1F	SB	-
2F	W	-
3F	Y	-
4F	G	-
6F	BG	-
8F	L	-
9F	R	-

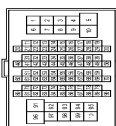
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY

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



Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	-
2	BG	-
3	SB	-
4	LG	-
5	Y	-
6	W	-
7	G	-
8	V	-
9	R	-
10	BR	-
11	B	-
12	G	-
13	R	-
14	W	-
15	SHIELD	-
16	SB	-
17	L	-
18	P	-
19	G	-
20	W	- [With ICC]
20	Y	- [Without ICC]
21	BR	-
22	R	- [With ICC]
22	V	- [Without ICC]
23	G	-
24	L	- [With ICC]
24	P	- [Without ICC]
25	L	- [Without ICC]
25	Y	- [With ICC]
26	SHIELD	-
28	G	-
29	LG	-
30	BG	-
32	W	-
33	Y	-
34	BG	-

37	Y	-
38	GR	-
39	LG	-
41	LG	-
42	V	-
43	R	-
44	G	-
45	GR	-
46	W	-
47	L	-
48	P	-
49	SB	-
50	BR	-
51	B	-
52	Y	-
53	BG	-
54	R	-
55	SB	-
59	P	-
60	SB	-
61	V	-
62	P	-
63	LG	-
64	L	-
65	BG	-
69	L	-
70	SHIELD	-
71	G	-
72	G	-
73	R	-
74	BR	-
76	L	-
77	W	-
78	Y	-
80	SB	-
81	L	-
82	W	-
83	LG	-
84	GR	-
85	G	-
86	P	-
87	W	-
88	BG	-
89	LG	-
90	BR	-
91	GR	-
92	BR	-
93	SB	-
95	Y	-
96	W	-

97	W	-
98	SHIELD	-
100	Y	-

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



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

Connector No.	E115
Connector Name	ACCELERATOR PEDAL ACTUATOR
Connector Type	KDZ06FB



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

Connector No.	E151
Connector Name	WIRE TO WIRE
Connector Type	RS08MB-PR



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

Connector No.	E201
Connector Name	FUSIBLE LINK HOLDER
Connector Type	24340 EA00A



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

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY

Terminal No.	E202	Signal Name [Specification]
Wire		
Connector Name	FUSIBLE LINK HOLDER	
Connector Type	24340-79905	



Terminal No.	6	Wire	BY	Signal Name [Specification]
Wire				
Connector Type				

Connector No.	E203	Signal Name [Specification]
Wire		
Connector Name	ALTERNATOR	
Connector Type	24340-65F45	



Terminal No.	1	Wire	BY	Signal Name [Specification]
Wire				
Connector Type				

Connector No.	E204	Signal Name [Specification]
Wire		
Connector Name	STARTER MOTOR	
Connector Type	24348-51E61	



Terminal No.	2	Wire	BY	Signal Name [Specification]
Wire				
Connector Type				

Connector No.	E205	Signal Name [Specification]
Wire		
Connector Name	FUSIBLE LINK HOLDER	
Connector Type	YZK-7003-1733-02	



Terminal No.	7	Wire	BY	Signal Name [Specification]
Wire				
Connector Type				

Connector No.	E206	Signal Name [Specification]
Wire		
Connector Name	STARTER MOTOR	
Connector Type	E-BA8	



Terminal No.	2	Wire	BY	Signal Name [Specification]
Wire				
Connector Type				

Connector No.	E211	Signal Name [Specification]
Wire		
Connector Name	FUSIBLE LINK HOLDER	
Connector Type	24380-JL00A	



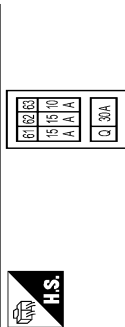
Terminal No.	0	Wire	W	Signal Name [Specification]
Wire				
Connector Type				

Connector No.	E212	Signal Name [Specification]
Wire		
Connector Name	FUSIBLE LINK HOLDER	
Connector Type	24380-JL00A	



Terminal No.	S	Wire	GR	Signal Name [Specification]
Wire				
Connector Type				

Connector No.	E213	Signal Name [Specification]
Wire		
Connector Name	FUSE AND FUSIBLE LINK BLOCK	
Connector Type	24380-1AT0A	



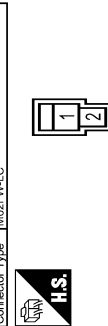
Terminal No.	61	Wire	SB	Signal Name [Specification]
Wire				
Connector Type				

Connector No.	F7	Signal Name [Specification]
Wire		
Connector Name	EVAP CANISTER PURGE VOLUME CONTROL SOLENOID VALVE	
Connector Type	E102FL-RS-LGY	



Terminal No.	1	Wire	R	Signal Name [Specification]
Wire				
Connector Type				

Connector No.	F8	Signal Name [Specification]
Wire		
Connector Name	CONDENSER	
Connector Type	M02FW-LC	



Terminal No.	1	Wire	W	Signal Name [Specification]
Wire				
Connector Type				

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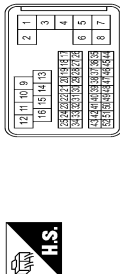
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY

Connector No.	F10
Connector Name	WIRE TO WIRE
Connector Type	ISAA36FB-RS8-SH28



Terminal No.	Color	Of Wire	Signal Name [Specification]
1	G	-	[With VQ engine]
2	SHIELD	-	[With VK engine]
3	SHIELD	-	[With VQ engine]
4	Y	-	[With VK engine]
5	BR	-	[With VQ engine]
6	G	-	[With VK engine]
7	BR	-	[With VQ engine]
8	SHIELD	-	[With VK engine]
9	W	-	[With VQ engine]
10	G	-	[With VK engine]
11	R	-	[With VQ engine]
12	Y	-	[With VK engine]
13	P	-	[With VQ engine]
14	L	-	[With VK engine]
15	O	-	[With VQ engine]
16	R	-	[With VK engine]
17	Y	-	[With VQ engine]
18	GR	-	[With VK engine]
19	G	-	[With VQ engine]
20	R	-	[With VK engine]
21	Y	-	[With VQ engine]

22	B	-	[With VK engine]
23	G	-	[With VQ engine]
24	LG	-	[With VK engine]
25	Y	-	[With VQ engine]
26	Y	-	[With VK engine]
27	O	-	[With VQ engine]
28	GR	-	[With VK engine]
29	SB	-	[With VQ engine]
30	BR	-	[With VK engine]
31	LG	-	[With VQ engine]
32	L	-	[With VK engine]
33	W	-	[With VQ engine]
34	O	-	[With VK engine]
35	P	-	[With VQ engine]
36	SHIELD	-	[With VK engine]
37	SHIELD	-	[With VQ engine]
38	Y	-	[With VK engine]
39	W	-	[With VQ engine]
40	G	-	[With VK engine]
41	B	-	[With VQ engine]
42	Y	-	[With VK engine]
43	GR	-	[With VQ engine]
44	SHIELD	-	[With VK engine]
45	R	-	[With VQ engine]
46	L	-	[With VK engine]
47	G	-	[With VQ engine]
48	SHIELD	-	[With VK engine]
49	B	-	[With VQ engine]
50	W	-	[With VK engine]

50	G	-	[With VK engine]
51	B	-	[With VQ engine]
52	W	-	[With VK engine]

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



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

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



Terminal No.	Color	Of Wire	Signal Name [Specification]
1	G	-	[With VK engine]
2	B	-	[With VQ engine]
3	W	-	[With VK engine]

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



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

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



Terminal No.	Color	Of Wire	Signal Name [Specification]
1	GR	-	[With VK engine]
2	B	-	[With VQ engine]
3	W	-	[With VK engine]

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY

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



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

Connector No.	F16
Connector Name	IGNITION COIL NO. 6 (WITH POWER TRANSISTOR)
Connector Type	E03FGY-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	E02FG-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	E02FG-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	RH06FB



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

Connector No.	F38
Connector Name	ALTERNATOR
Connector Type	HS03FB



Terminal No.	Color Of Wire	Signal Name [Specification]
2	G	L
3	O	S [With VK engine]
4	P	S [With VQ engine]
4	W	C [With VK engine]
		G [With VQ engine]

Connector No.	F42
Connector Name	MASS AIR FLOW SENSOR (BANK 2)
Connector Type	RH06FB



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

Connector No.	F46
Connector Name	EXHAUST VALVE TIMING CONTROL SOLENOID VALVE (BANK 1)
Connector Type	E02FG-RS-LGY



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

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY

Connector No.	F47
Connector Name	INTAKE VALVE TIMING CONTROL SOLENOID VALVE (BANK 1)
Connector Type	E02FG-RS-LGY



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

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



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

Connector No.	F61
Connector Name	INTAKE VALVE TIMING CONTROL SOLENOID VALVE (BANK 2)
Connector Type	E02FG-RS-LGY



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

Connector No.	F62
Connector Name	EXHAUST VALVE TIMING CONTROL SOLENOID VALVE (BANK 2)
Connector Type	E02FG-RS-LGY



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

Connector No.	F75
Connector Name	IGNITION COIL NO. 1 (WITH POWER TRANSISTOR)
Connector Type	E03FGY-RS



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

Connector No.	F76
Connector Name	IGNITION COIL NO. 2 (WITH POWER TRANSISTOR)
Connector Type	E03FGY-RS



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

Connector No.	F77
Connector Name	IGNITION COIL NO. 3 (WITH POWER TRANSISTOR)
Connector Type	E03FGY-RS



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

Connector No.	F78
Connector Name	IGNITION COIL NO. 4 (WITH POWER TRANSISTOR)
Connector Type	E03FGY-RS



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

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY

Connector No.	F79
Connector Name	IGNITION COIL NO. 5 (WITH POWER TRANSISTOR)
Connector Type	E03FGY-RS



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

Connector No.	F80
Connector Name	IGNITION COIL NO. 6 (WITH POWER TRANSISTOR)
Connector Type	E03FGY-RS



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

Connector No.	F81
Connector Name	IGNITION COIL NO. 7 (WITH POWER TRANSISTOR)
Connector Type	E03FGY-RS



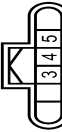
Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	-
2	B	-
3	W	-

Connector No.	F82
Connector Name	IGNITION COIL NO. 8 (WITH POWER TRANSISTOR)
Connector Type	E03FGY-RS



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

Connector No.	F85
Connector Name	MASS AIR FLOW SENSOR (BANK 2)
Connector Type	RH06FB



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

Connector No.	F86
Connector Name	MASS AIR FLOW SENSOR (BANK 1)
Connector Type	RH06FB



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

Connector No.	F104
Connector Name	WIRE TO WIRE
Connector Type	TH08FM-NH



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

Connector No.	F105
Connector Name	WIRE TO WIRE
Connector Type	TH08MM-NH



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

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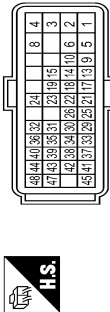
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY

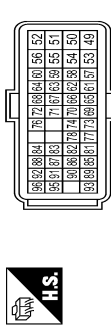
Connector No.	F110
Connector Name	ECM
Connector Type	RH40FB-R28-LH-Z



Terminal No.	Color	Wire	Signal Name [Specification]
1	P		THROTTLE CONTROL MOTOR POWER SUPPLY (BANK 2)
2	L		THROTTLE CONTROL MOTOR (BANK 2) (OPEN)
3	Y		A/F SENSOR 1 HEATER (BANK 1)
4	G		A/F SENSOR 1 HEATER (BANK 2)
5	R		THROTTLE CONTROL MOTOR (BANK 2) (CLOSE)
6	GR		ECM GROUND
7	W		ENGINE COOLANT TEMPERATURE SENSOR
8	W		IGNITION SIGNAL No. 2
9	G		IGNITION SIGNAL No. 1
10	Y		IGNITION SIGNAL No. 3
13	V		IGNITION SIGNAL No. 4
14	GR		ECM RELAY (SELF SHUT-OFF)
15	O		FUEL INJECTOR No. 3
17	R		IGNITION SIGNAL No. 5
18	SB		THROTTLE CONTROL MOTOR RELAY
19	L		FUEL INJECTOR No. 2
21	W		IGNITION SIGNAL No. 6
22	LG		SENSOR GROUND
23	BR		ENGINE COOLANT TEMPERATURE SENSOR
24	Y		FUEL INJECTOR No. 1
25	P		IGNITION SIGNAL No. 7
26	L		FUEL INJECTOR No. 7
29	O		IGNITION SIGNAL No. 8
30	Y		SENSOR GROUND
31	B		HEATED OXYGEN SENSOR 2 (BANK 1)
32	W		FUEL INJECTOR No. 8
33	G		SENSOR GROUND
34	V		HEATED OXYGEN SENSOR 2 (BANK 2)
35	BR		SENSOR GROUND
36	LG		FUEL INJECTOR No. 4
37	BR		SENSOR GROUND
38	GR		ENGINE OIL TEMPERATURE SENSOR
39	R		KNOCK SENSOR (BANK 1)
40	W		FUEL INJECTOR No. 5
41	W		SENSOR GROUND
42	B		MASS AIR FLOW SENSOR (BANK 2)
43	SB		

44	W		KNOCK SENSOR (BANK 2)
45	V		FUEL INJECTOR No. 6
47	L		MASS AIR FLOW SENSOR (BANK 1)
48	Y		INTAKE AIR TEMPERATURE SENSOR

Connector No.	F111
Connector Name	ECM
Connector Type	RH40FB-R28-LH-Z



Terminal No.	Color	Wire	Signal Name [Specification]
49	V		THROTTLE CONTROL MOTOR POWER SUPPLY (BANK 1)
50	G		THROTTLE CONTROL MOTOR (BANK 1) (OPEN)
51	O		EXHAUST VALVE TIMING CONTROL SOLENOID VALVE (BANK 1)
52	L		EXHAUST VALVE TIMING CONTROL SOLENOID VALVE (BANK 2)
53	BR		THROTTLE CONTROL MOTOR (BANK 1) (CLOSE)
54	B		ECM GROUND
55	P		HEATED OXYGEN SENSOR 2 HEATER (BANK 2)
56	R		EXHAUST VALVE TIMING CONTROL SOLENOID VALVE (BANK 2)
57	Y		THROTTLE CONTROL MOTOR (BANK 2) (CLOSE)
58	B		SENSOR GROUND
59	W		CAKSHAFT POSITION SENSOR (BANK 1)
60	G		EXHAUST VALVE TIMING CONTROL SOLENOID VALVE (BANK 1)
61	G		SENSOR GROUND
62	L		CAKSHAFT POSITION SENSOR (BANK 2)
63	G		EXHAUST VALVE TIMING CONTROL SOLENOID VALVE (BANK 2)
64	P		IGNITION SIGNAL No. 3
65	LG		IGNITION SIGNAL No. 4
66	GR		SENSOR GROUND
67	Y		CAKSHAFT POSITION SENSOR
68	B		SENSOR GROUND
69	W		MANFOLD ABSOLUTE PRESSURE SENSOR
70	B		SENSOR GROUND
71	R		SENSOR GROUND
72	Y		SENSOR GROUND
73	L		THROTTLE POSITION SENSOR 1 (BANK 1)
74	R		THROTTLE POSITION SENSOR 2 (BANK 2)
76	G		BATTERY CURRENT SENSOR
77	B		THROTTLE POSITION SENSOR 1 (BANK 2)
78	Y		THROTTLE POSITION SENSOR 2 (BANK 1)
81	V		A/F SENSOR 1 (BANK 1)

82	LG		A/F SENSOR 1 (BANK 1)
83	SB		POWER STEERING PRESSURE SENSOR
84	B		SENSOR POWER SUPPLY
85	Y		A/F SENSOR 1 (BANK 2)
86	O		A/F SENSOR 1 (BANK 2)
87	R		SENSOR POWER SUPPLY
88	Y		SENSOR POWER SUPPLY
89	P		ENG COMMUNICATION LINE
90	G		REFRIGERANT PRESSURE SENSOR
91	R		SENSOR POWER SUPPLY
92	W		ENG COMMUNICATION LINE
93	LG		SENSOR POWER SUPPLY
95	Y		SENSOR POWER SUPPLY
96	L		SENSOR POWER SUPPLY

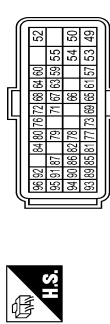
Connector No.	F112
Connector Name	ECM
Connector Type	RH40FB-R28-LH-Z



Terminal No.	Color	Wire	Signal Name [Specification]
1	W		A/F SENSOR 1 HEATER (BANK 1)
2	G		THROTTLE CONTROL MOTOR RELAY POWER SUPPLY (BANK 1)
3	R		THROTTLE CONTROL MOTOR (BANK 1) (CLOSE)
4	BR		A/F SENSOR 1 HEATER (BANK 2)
5	W		ECM GROUND
8	B		IGNITION SIGNAL No. 3
11	GR		IGNITION SIGNAL No. 4
12	L		IGNITION SIGNAL No. 5
15	V		IGNITION SIGNAL No. 2
16	G		HEATED OXYGEN SENSOR 2 HEATER (BANK 1)
17	P		INTAKE VALVE TIMING CONTROL SOLENOID VALVE (BANK 1)
18	SB		IGNITION SIGNAL No. 6
20	Y		IGNITION SIGNAL No. 1
21	GR		FUEL PUMP RELAY
22	R		ECM RELAY (SELF SHUT-OFF)
24	P		THROTTLE CONTROL MOTOR RELAY
25	O		VELOCITATOR MOTOR RELAY ABOUT SIGNAL
26	BR		PHASE VALVE TIMING CONTROL SOLENOID VALVE (BANK 2)
29	G		

30	Y		THROTTLE POSITION SENSOR 1 (BANK 1)
31	R		THROTTLE POSITION SENSOR 1 (BANK 2)
32	SB		HEATED OXYGEN SENSOR 2 HEATER (BANK 2)
34	B		THROTTLE POSITION SENSOR 2 (BANK 1)
35	W		THROTTLE POSITION SENSOR 2 (BANK 2)
37	W		CRANKSHAFT POSITION SENSOR
38	O		MANFOLD ABSOLUTE PRESSURE (MAP) SENSOR
40	R		SENSOR GROUND
43	G		SENSOR POWER SUPPLY
44	L		SENSOR POWER SUPPLY
46	R		SENSOR POWER SUPPLY
47	Y		SENSOR GROUND
48	B		SENSOR GROUND

Connector No.	F113
Connector Name	ECM
Connector Type	RH40FB-R28-LH-Z



Terminal No.	Color	Wire	Signal Name [Specification]
49	GR		THROTTLE CONTROL MOTOR (CLOSE) (BANK 2)
50	V		THROTTLE CONTROL MOTOR (OPEN) (BANK 2)
52	R		THROTTLE CONTROL MOTOR RELAY POWER SUPPLY (BANK 2)
53	W		IGNITION SWITCH
54	Y		CAN COMMUNICATION LINE (VEH. CONTROL MODULE)
55	LG		CAN COMMUNICATION LINE (VEH. CONTROL MODULE)
57	L		A/F SENSOR 1 (BANK 1)
59	O		CAKSHAFT POSITION SENSOR (BANK 1)
60	G		SENSOR POWER SUPPLY
61	R		A/F SENSOR 1 (BANK 1)
63	L		CAKSHAFT 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		KNOCK SENSOR (BANK 2)
71	Y		ENGINE COOLANT TEMPERATURE SENSOR
72	SHIELD		SENSOR GROUND (KNOCK SENSOR)
73	W		KNOCK SENSOR (BANK 1)
76	W		HEATED OXYGEN SENSOR 2 (BANK 1)

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POWER SUPPLY ROUTING CIRCUIT

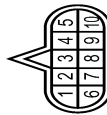
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[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY

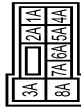
77	SB	MASS AIR FLOW SENSOR (BANK 1)
78	G	ENGINE OIL TEMPERATURE SENSOR
79	BR	MASS AIR FLOW SENSOR (BANK 2)
80	O	HEATED OXYGEN SENSOR 2 (BANK 2)
81	R	FUEL INJECTOR NO. 3
82	V	FUEL INJECTOR NO. 6
84	B	SENSOR GROUND
85	BR	FUEL INJECTOR NO. 2
86	W	FUEL INJECTOR NO. 5
87	Y	POWER STEERING PRESSURE SENSOR
89	GR	FUEL INJECTOR NO. 1
90	O	FUEL INJECTOR NO. 4
91	SB	BATTERY CURRENT SENSOR
92	G	SENSOR GROUND
93	P	POWER SUPPLY FOR ECM (BACK-UP)
94	Y	SENSOR GROUND
95	G	SENSOR GROUND
96	P	SENSOR GROUND

Connector No.	F-151
Connector Name	TCM
Connector Type	SP10FG



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

Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS06FM-M2



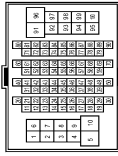
Terminal No.	Color Of Wire	Signal Name [Specification]
1A	BG	-
2A	G	-
3A	L	-
4A	R	-
5A	V	-
6A	Y	-
7A	R	-
8A	L	-

Connector No.	M2
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS10FM-CS



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

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4



Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	-
2	BG	-
3	LG	- [Without Auto aircon seat]
4	SB	- [With Auto aircon seat]
5	G	-
6	GR	-
7	W	-
8	W	-
9	P	-
10	BR	-
11	B	-
12	G	-
13	R	-
14	W	-
15	SHIELD	-
16	BR	-
17	L	-
18	P	-
19	G	-
20	GR	- [Without ICC]
21	BR	- [With ICC]
22	R	- [Without ICC]
23	L	- [With ICC]
24	L	-
25	P	- [Without ICC]
26	W	- [Without ICC]
27	Y	- [With ICC]
28	SHIELD	-
29	GR	-
30	BG	-
32	W	-

33	Y	-
34	L	-
37	G	-
38	R	-
39	G	-
41	L	-
42	W	-
43	R	-
44	LG	-
45	GR	-
46	W	-
47	L	-
48	P	-
49	BG	-
50	LG	-
51	SB	-
52	Y	-
53	BG	-
54	BR	-
55	SB	-
59	SB	-
60	SB	-
61	V	-
62	P	-
63	R	-
64	L	-
65	BG	-
69	V	-
70	SHIELD	-
71	BG	-
72	GR	-
73	W	-
74	SB	-
76	V	-
77	V	-
78	Y	-
80	BG	-
81	L	-
82	W	-
83	Y	-
84	L	-
85	P	-
86	BR	-
87	P	-
88	V	-
89	G	-
90	P	-
91	R	-
92	R	-
93	GR	-

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY

95	G	-
96	W	-
97	W	-
98	SHIELD	-
100	Y	-

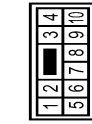
Connector No.	M7
Connector Name	WIRE TO WIRE
Connector Type	TH60MW-CS16-TM4



Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	- [With Auto aircon seat]
2	Y	- [Without Auto aircon seat]
3	W	-
6	P	-
7	V	-
8	BG	-
10	W	-
11	BG	-
12	B	-
13	G	-
14	R	-
15	W	-
16	SHIELD	-
17	L	-
18	P	-
19	G	-
20	R	-
21	LG	-
23	V	-
24	P	-
25	BR	-
26	GR	-
27	BG	-
28	W	-
38	B	-
39	B	-
43	SB	-
44	W	-

45	B	-
51	V	-
52	LG	-
53	SHIELD	-
54	BR	-
55	Y	-
56	SHIELD	-
57	P	-
58	L	-
59	SHIELD	-
60	L	-
61	BR	-
62	R	-
63	Y	-
64	L	-
65	W	-
66	V	-
67	LG	-
68	Y	-
69	G	-
70	V	-
71	W	-
72	B	-
73	W	-
74	LG	-
75	P	-
76	LG	-
77	SB	-
78	GR	-
79	R	-
80	L	-
81	P	-
82	L	-
83	P	-
84	SB	-
85	W	-
86	Y	-
87	B	-
88	G	-
89	BG	-
91	R	-
92	BG	-
93	BR	-
94	V	-
96	BG	-
97	W	-
98	R	-
99	BG	-

Connector No.	M9
Connector Name	WIRE TO WIRE
Connector Type	INS10MW-CS



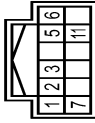
Terminal No.	Color Of Wire	Signal Name [Specification]
3	Y	-
4	W	-
9	BG	-
10	SHIELD	-

Connector No.	M12
Connector Name	CIRCUIT BREAKER
Connector Type	M02FW-LC



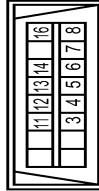
Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	W	-

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



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

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	GR	-
8	G	-
11	SB	-
12	P	-
13	L	-
14	P	-
16	BG	-

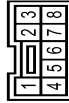
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

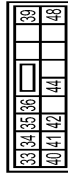
BATTERY POWER SUPPLY

Connector No.	M450
Connector Name	PUSH-BUTTON IGNITION SWITCH
Connector Type	TK08FBR



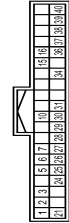
Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
2	R	-
3	BG	-
4	SB	-
5	GR	-
6	Y	-
7	V	-
8	P	-

Connector No.	M452
Connector Name	AUTOMATIC DRIVE POSITIONER CONTROL UNIT
Connector Type	NS16FV-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
33	W	POWER SUPPLY (SENSOR)
34	R	BAT (FUSE)
35	L	TILT MOTOR (UPWARD)
36	GR	TELESCOPIC MOTOR (FORWARD)
39	W	BAT (CB)
40	B	GND (SIGNAL)
41	Y	GND (SENSOR)
42	BG	TILT MOTOR (DOWNWARD)
44	G	TELESCOPIC MOTOR (BACKWARD)
48	B	GND (POWER)

Connector No.	M453
Connector Name	COMBINATION METER
Connector Type	TH40FV-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	BG	BATTERY POWER SUPPLY
2	LG	COMMUNICATION SIGNAL (METER-AMP)
3	GR	COMMUNICATION SIGNAL (AMP->METER)
5	B	GROUND
6	W	ALTERNATOR SIGNAL
7	P	AIR BAG SIGNAL
10	G	SECURITY INDICATOR SIGNAL
15	B	GROUND
16	B	METER CONTROL SWITCH GROUND
21	R	IGNITION SIGNAL
24	BR	COMMUNICATION SIGNAL (LCD->AMP)
25	Y	COMMUNICATION SIGNAL (AMP->LCD)
26	R	VEHICLE SPEED SIGNAL (8-PULSE)
27	V	PARKING BRAKE SWITCH SIGNAL
28	W	BRAKE FLUID LEVEL SWITCH SIGNAL
29	SB	SEAT BELT BUCKLE SWITCH SIGNAL (DRIVER SEEL)
30	G	PASSENGER SEAT BELT WARNING SIGNAL
31	L	WASHER LEVEL SWITCH SIGNAL
34	B	ILLUMINATION CONTROL SIGNAL
36	LG	SELECT SWITCH SIGNAL
37	SB	ENTER SWITCH SIGNAL
38	L	TRIP AIR RESET SWITCH SIGNAL
39	P	ILLUMINATION CONTROL SWITCH SIGNAL (-)
40	BG	ILLUMINATION CONTROL SWITCH SIGNAL (+)

Connector No.	M462
Connector Name	CIRCUIT BREAKER
Connector Type	M02FV-PLC



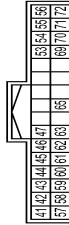
Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	W	-

Connector No.	M464
Connector Name	CLIMATE CONTROLLED SEAT RELAY
Connector Type	M06FBR-RLC



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

Connector No.	M467
Connector Name	UNIFIED METER AND A/C AMP.
Connector Type	TH32FV-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	V	GAS SENSOR SIGNAL
53	G	IGNITION POWER SUPPLY
54	BG	BATTERY POWER SUPPLY
55	B	GROUND
56	L	CANH
57	W	BRAKE FLUID LEVEL SWITCH SIGNAL
58	B	FUEL LEVEL SENSOR GROUND
59	GR	INTAKE SENSOR GROUND
60	L	IN-VEHICLE SENSOR GROUND
61	BR	AMBIENT SENSOR GROUND
62	SB	SUNLOAD SENSOR GROUND
63	R	ION MODE SIGNAL
65	BG	ECV SIGNAL
69	L	A/C LAN SIGNAL
70	R	EACH DOOR MOTOR POWER SUPPLY
71	B	GROUND
72	P	CANH

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

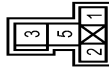
BATTERY POWER SUPPLY

Connector No.	M74
Connector Name	CLOCK
Connector Type	TH34FW-NH



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

Connector No.	M79
Connector Name	ACCESSORY RELAY (2)
Connector Type	MS2FL-M2-LC



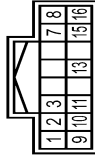
Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	-
2	B	-
3	LG	-
5	L	-

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



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

Connector No.	M105
Connector Name	AWD CONTROL UNIT
Connector Type	TH16FM-NH



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

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



Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	-
2	BR	-
3	V	-
4	SB	-
6	Y	-
7	B	-
8	W	-
10	W	-
11	SHIELD	-
20	R	-
21	G	-
22	GR	-
23	V	-
24	W	-
25	R	-
26	P	-
27	L	-
28	SHIELD	-
31	W	-
32	W	-
33	SB	-
36	L	-
37	P	-
38	L	-
39	P	-
40	V	-
41	SB	- [With ICC]
42	Y	- [With ICC]
43	W	- [With ICC]
44	B	- [With ICC]
45	G	- [With ICC]
46	BG	- [With ICC]

46	SHIELD	- [Without ICC]
47	B	- [Without ICC]
47	L	- [With ICC]
48	P	- [With ICC]
48	R	- [Without ICC]
49	G	- [With ICC]
49	W	- [Without ICC]
50	SHIELD	-
51	BG	-
52	GR	-
53	G	-
54	L	-
55	P	-
60	LG	-
61	R	-
62	SB	-
63	V	-
64	Y	-
65	BR	-
66	BG	-
67	W	-
69	G	-
71	SB	-
72	V	-
73	V	-
74	LG	-
75	BR	-
76	V	-
77	LG	-
80	R	-
82	Y	-
83	BG	-
84	W	-
85	SB	-
86	B	-
87	P	-
91	L	-
92	L	-
93	G	-
94	BG	-
95	V	-
96	G	-
97	G	-
98	L	-
99	LG	-

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

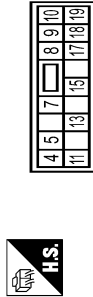
BATTERY POWER SUPPLY

Connector No.	M118
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	M03FELC



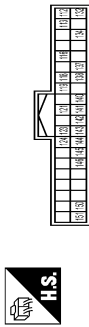
Terminal No.	Color	Wire	Signal Name [Specification]
1	W		BAT (F/L)
2	Y		POWER WINDOW POWER SUPPLY (BAT)
3	BG		POWER WINDOW POWER SUPPLY (R/P)

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



Terminal No.	Color	Wire	Signal Name [Specification]
4	P		INT ROOM LAMP PWR SUPPLY (BAT SAVE)
5	V		PASSENGER DOOR UNLOCK OUTPUT
7	Y		STEP LAMP 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
15	Y		ACC IND
17	W		TURN SIGNAL RH (FRONT)
18	BG		TURN SIGNAL LH (FRONT)
19	SB		ROOM LAMP TIMER

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



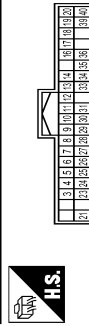
Terminal No.	Color	Wire	Signal Name [Specification]
112	GR		RAIN SENSOR SERIAL LINK
113	P		OPTICAL SENSOR
116	BR		STOP LAMP SW 1
118	P		STOP LAMP SW 2
119	SB		DR DOOR UNLOCK SENSOR
121	BR		KEY SLOT SW
123	W		IGNITION
124	LG		PASSENGER DOOR SW
132	BG		POWER WINDOW SW COMM
134	GR		LOCK IND
137	B		RECEIVER/SENSOR GND
138	Y		SENSOR POWER SUPPLY
140	R		SHIFT NP
141	G		SECURITY INDICATOR OUTPUT
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	GR		DRIVER DOOR SW
151	G		REAR WINDOW DEFROSTER RELAY CONT

Connector No.	M125
Connector Name	CAN GATEWAY
Connector Type	TH12FM-NH



Terminal No.	Color	Wire	Signal Name [Specification]
1	L		CAN-H
3	GR		BATTERY
4	L		CAN-H
5	B		GROUND
6	L		CAN-H
7	P		CAN-L
9	LG		IGNITION
10	P		CAN-L
11	B		GROUND
12	P		CAN-L

Connector No.	M129
Connector Name	TOTAL ILLUMINATION CONTROL UNIT
Connector Type	TH40FM-NH



Terminal No.	Color	Wire	Signal Name [Specification]
3	V		DDL2
4	L		TAIL LAMP SIGNAL
5	V		ACC SIGNAL
6	P		BAT SAVED SIGNAL
7	W		IGN SIGNAL
8	G		DOOR SW (AS)
9	BG		DOOR SW (RL)
10	SB		MOOD LAMP (FR ARMREST RH)
11	Y		MOOD LAMP (RR ARMREST RH)
12	P		MAP LAMP (AS)

13	G		PERSONAL LAMP (LH)
14	R		PERSONAL LAMP (RH)
16	GR		FOOT LAMP (RH)
17	LG		HSP L ILLUMINATIONS
18	L		MAP LAMP (DR)
19	R		PUSH-ENG START SW LED
20	Y		AMBIENCE LAMP
21	R		BAT POWER SUPPLY
23	B		GROUND
24	B		ILL CONT INPUT
25	BR		DOOR SW (RR)
26	BR		MAP LAMP SW (DOOR)
27	R		MAP LAMP SW (ALL ON)
28	SB		ROOM LAMP TIMER
29	GR		DOOR SW (DR)
30	LG		MOOD LAMP (FR ARMREST LH)
31	BG		MOOD LAMP (RR ARMREST LH)
33	W		HSP L POWER SUPPLY 3
34	R		HSP L POWER SUPPLY 2
35	V		HSP L POWER SUPPLY 1
36	L		FOOT LAMP (LH)
39	B		PUDDLE LAMP (RH)
40	BG		PUDDLE LAMP (LH)

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



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

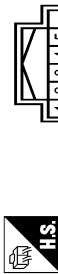
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY

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



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

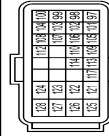
Connector No.	M160
Connector Name	ECM
Connector Type	RH24FGY-R2B-R-LH-Z



Terminal No.	Color Of Wire	Signal Name [Specification]
97	R	ENGINE SPEED SIGNAL OUTPUT
99	G	SENSOR POWER SUPPLY
100	L	SENSOR POWER SUPPLY
101	P	CAN COMMUNICATION LINE
102	SB	ASC/ICC STEERING SWITCH
104	R	ACCELERATOR PEDAL POSITION SENSOR 1
105	L	CAN COMMUNICATION LINE
106	P	IGNITION SWITCH
108	P	ACCELERATOR PEDAL POSITION SENSOR 2
110	P	STOP LAMP SWITCH

111	V	SENSOR GROUND
112	LG	FUEL PUMP CONTROL MODULE (FROM CHECK)
114	GR	DATA LINK CONNECTOR
115	GR	SENSOR GROUND
116	G	TRANSMISSION RANGE SWITCH
117	BR	ASC/ICC BRAKE SWITCH
118	R	POWER SUPPLY FOR ECM (BACK-UP)
119	W	SENSOR GROUND
120	W	FUEL TANK TEMPERATURE SENSOR
121	GR	POWER SUPPLY FOR ECM
123	B	ECM GROUND
125	R	FUEL PUMP CONTROL MODULE (FROM)
128	B	ECM GROUND

Connector No.	M164
Connector Name	ECM
Connector Type	RH24FGY-R2B-R-LH-Z



Terminal No.	Color Of Wire	Signal Name [Specification]
97	R	ACCELERATOR PEDAL POSITION SENSOR 1
98	P	ACCELERATOR PEDAL POSITION SENSOR 2 (WITH NAVI)
99	G	SENSOR POWER SUPPLY (WITH NAVI)
99	L	SENSOR POWER SUPPLY (WITHOUT NAVI)
100	W	SENSOR GROUND
101	SB	ASC/ICC STEERING SWITCH
102	LG	EVAP CONTROL SYSTEM PRESSURE SENSOR
103	G	SENSOR POWER SUPPLY (WITH NAVI)
104	BR	SENSOR GROUND (WITH NAVI)
104	GR	SENSOR GROUND (WITHOUT NAVI)
105	L	REFRIGERANT PRESSURE SENSOR
106	W	FUEL TANK TEMPERATURE SENSOR
107	BG	SENSOR POWER SUPPLY
108	V	PNP SIGNAL
109	G	ENGINE SPEED OUTPUT SIGNAL
110	R	ENGINE SPEED OUTPUT SIGNAL
112	V	SENSOR POWER SUPPLY
112	W	SENSOR POWER SUPPLY
113	P	CAN COMMUNICATION LINE

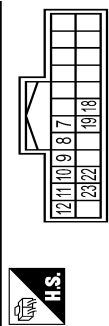
114	L	CAN COMMUNICATION LINE
117	GR	DATA LINK CONNECTOR
121	LG	EVAP CANISTER VENT CONTROL VALVE
122	P	STOP LAMP SWITCH
123	B	ECM GROUND
124	B	ECM GROUND
125	GR	POWER SUPPLY FOR ECM
126	BR	ASC/ICC BRAKE SWITCH
127	B	ECM GROUND
128	B	ECM GROUND

Connector No.	M174
Connector Name	HEATED SEAT RELAY
Connector Type	NO6FBR-R-LC



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

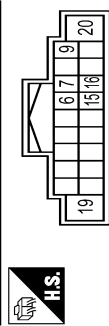
Connector No.	M195
Connector Name	FRONT DISPLAY UNIT
Connector Type	TH24FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
7	SHIELD	SHIELD
8	W	CAMERA IMAGE SIGNAL
9	G	COMM (DSP-CONT)
10	R	COMM (CONT-DISP)

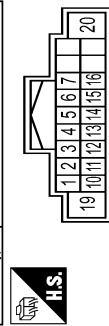
11	P	BATTERY
12	B	GROUND
18	R	COMPOSITE IMAGE SIGNAL
19	B	COMPOSITE IMAGE SIGNAL GND
22	B	SHIELD
23	BG	ACC

Connector No.	M201
Connector Name	AV CONTROL UNIT
Connector Type	TH18FW-CS2



Terminal No.	Color Of Wire	Signal Name [Specification]
6	P	STRG SW A
7	V	ACC
9	R	ILLUMINATION SIGNAL
15	B	STRG SW GND
16	L	STRG SW B
19	Y	BATTERY
20	B	GROUND

Connector No.	M208
Connector Name	AV CONTROL UNIT
Connector Type	TH18FW-CS2



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

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY

6	P	STRG SW A
7	BG	ACC RELAY CONT
10	B	SHIELD
11	R	SOUND SIGNAL FRONT RH (+)
12	G	SOUND SIGNAL FRONT RH (-)
13	BR	SOUND SIGNAL REAR RH (+)
14	Y	SOUND SIGNAL REAR RH (-)
15	B	STRG SW GND
16	L	STRG SW B
19	Y	BATTERY
20	B	GROUND

Connector No.	M210
Connector Name	AV CONTROL UNIT
Connector Type	TH102FW-NH



73	80	81	82	87	88	89	90	91	92
74	75	76	77	78	79	80	81	82	83

Terminal No.	Wire	Signal Name [Specification]
65	V	PARKING BRAKE SIGNAL
67	B	COMPOSITE IMAGE SIGNAL GND
68	R	COMPOSITE IMAGE SIGNAL
71	SHIELD	MICROPHONE SHIELD
72	G	MICROPHONE VCC
73	R	COMM (CONT->DISP)
74	P	CAN-L
75	LG	AV COMM (L)
76	LG	AV COMM (L)
79	R	ILLUMINATION
80	G	IGNITION SIGNAL
81	BG	REVERSE SIGNAL
82	R	VEHICLE SPEED SIGNAL (R-PULSE)
87	R	MICROPHONE SIGNAL
88	B	SHIELD
89	G	COMM (DISP->CONT)
90	L	CAN-H
91	SB	AV COMM (H)
92	SB	AV COMM (H)

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



10	8	6
----	---	---

Terminal No.	Wire	Signal Name [Specification]
6	BR	IGN
8	S	GROUND
10	GR	BAT

Connector No.	R9
Connector Name	RAIN SENSOR
Connector Type	AA803FB



1	2	3
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Terminal No.	Wire	Signal Name [Specification]
1	BR	+B
2	GR	SIG
3	B	GROUND

JRMWF4570GB

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POWER SUPPLY ROUTING CIRCUIT

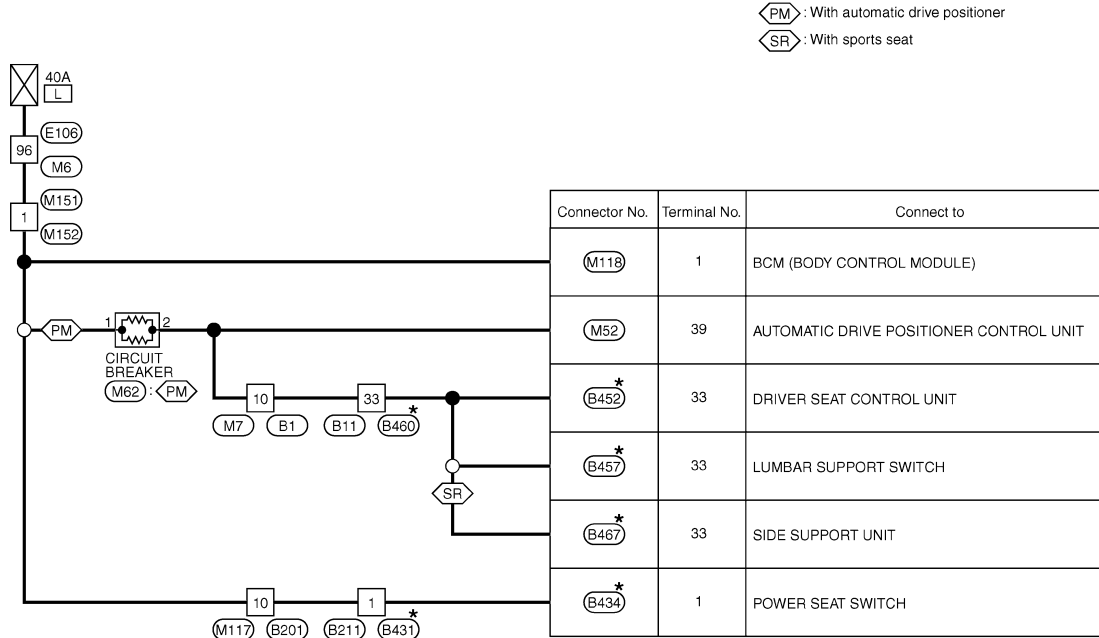
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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

INFOID:0000000010577228

BATTERY POWER SUPPLY FUSIBLE LINK No. L



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

2013/02/13

JRMWD8238GB

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

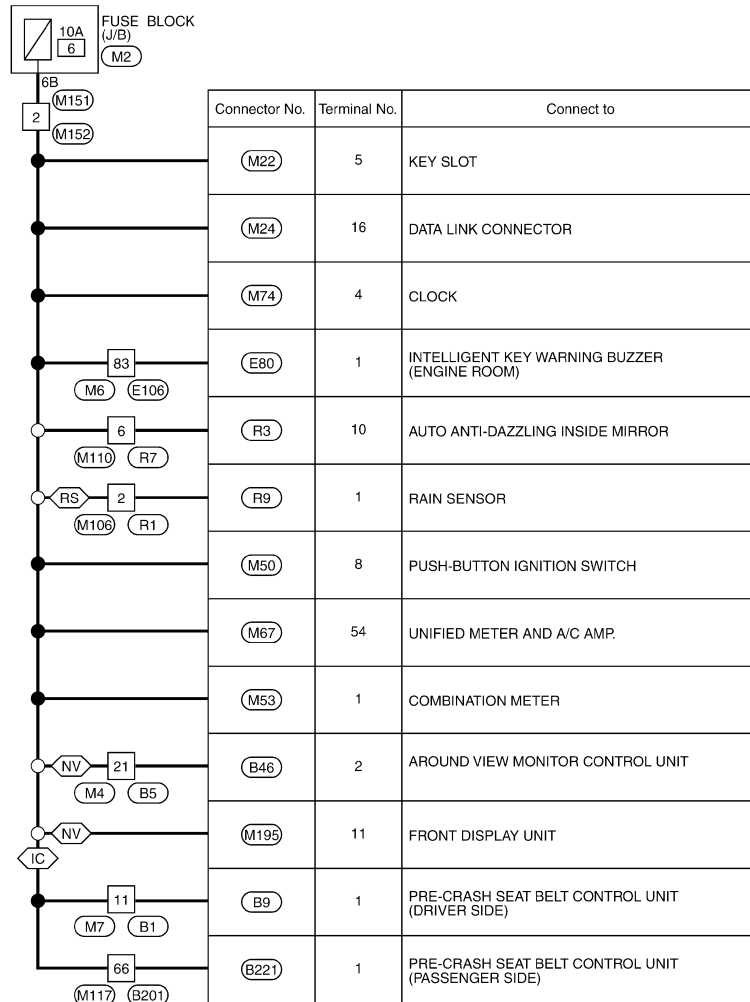
[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 6 -

INFOID:000000010577229

BATTERY POWER SUPPLY FUSE No. 6

NV : With NAVI
 RS : With rain sensor
 IC : With ICC



2014/03/18

JRMWF4571GB

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

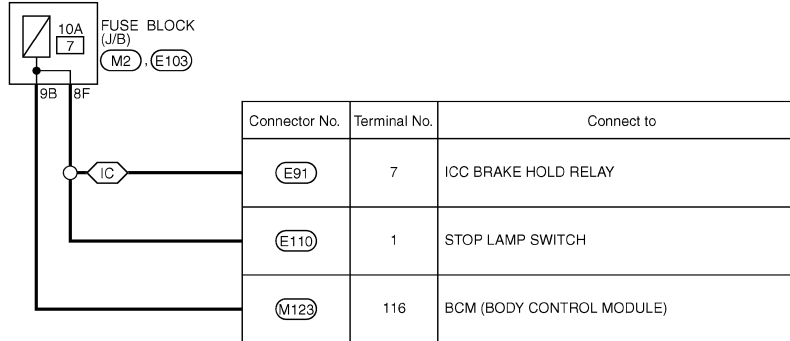
[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 7 -

INFOID:0000000010577230

BATTERY POWER SUPPLY FUSE No. 7

IC : With ICC



2009/07/29

JCMWA5042GB

POWER SUPPLY ROUTING CIRCUIT

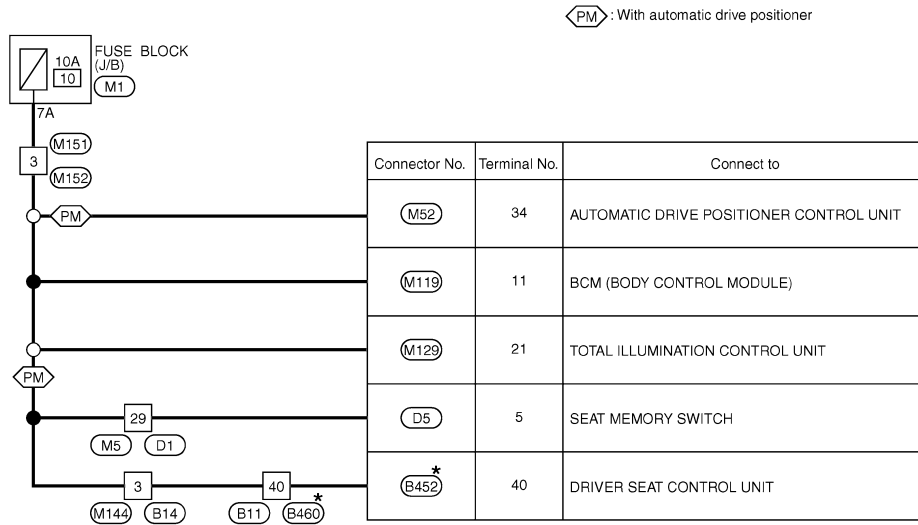
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[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 10 -

INFOID:0000000010577231

BATTERY POWER SUPPLY FUSE No. 10



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

2013/02/13

JRMWD8240GB

POWER SUPPLY ROUTING CIRCUIT

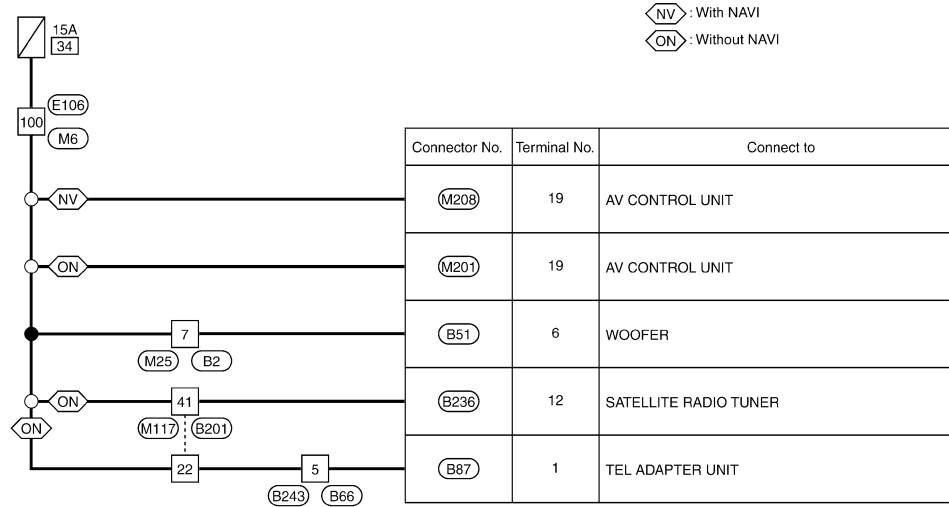
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 34 -

INFOID:000000010577233

BATTERY POWER SUPPLY FUSE No. 34



2014/03/18

JRMWF4572GB

POWER SUPPLY ROUTING CIRCUIT

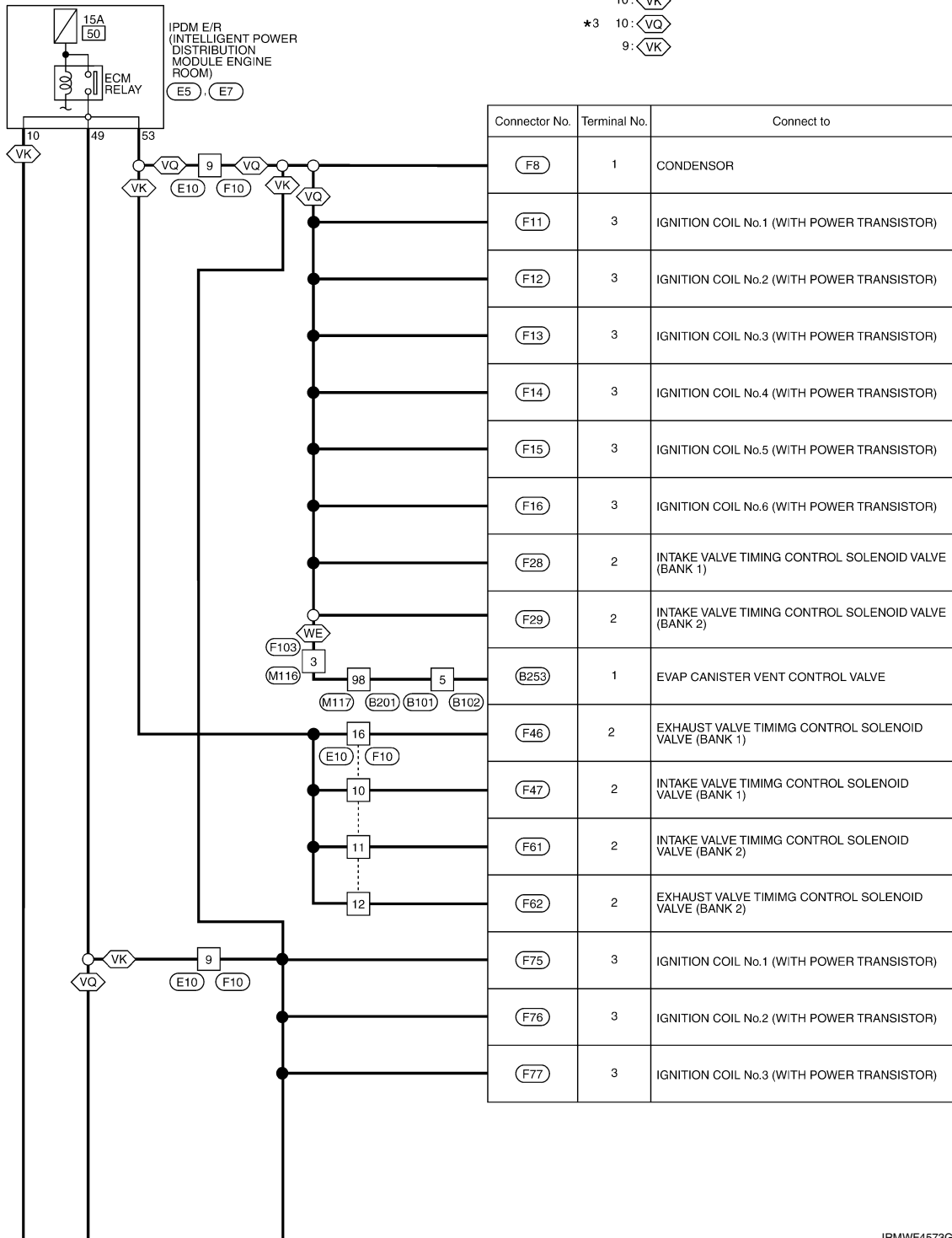
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[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 50 -

INFOID:000000010577234

BATTERY POWER SUPPLY FUSE No. 50



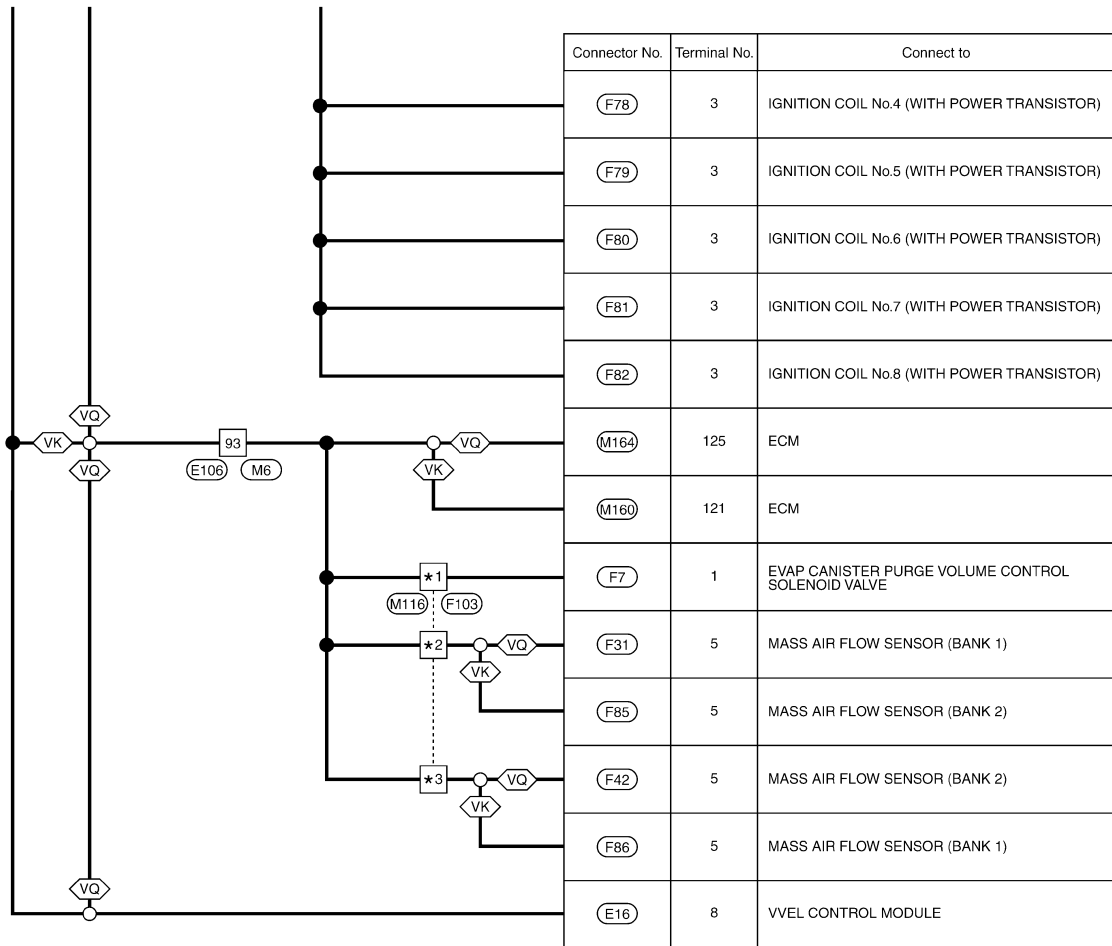
JRMWF4573GB

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]



2014/03/18

JRMWF4574GB

POWER SUPPLY ROUTING CIRCUIT

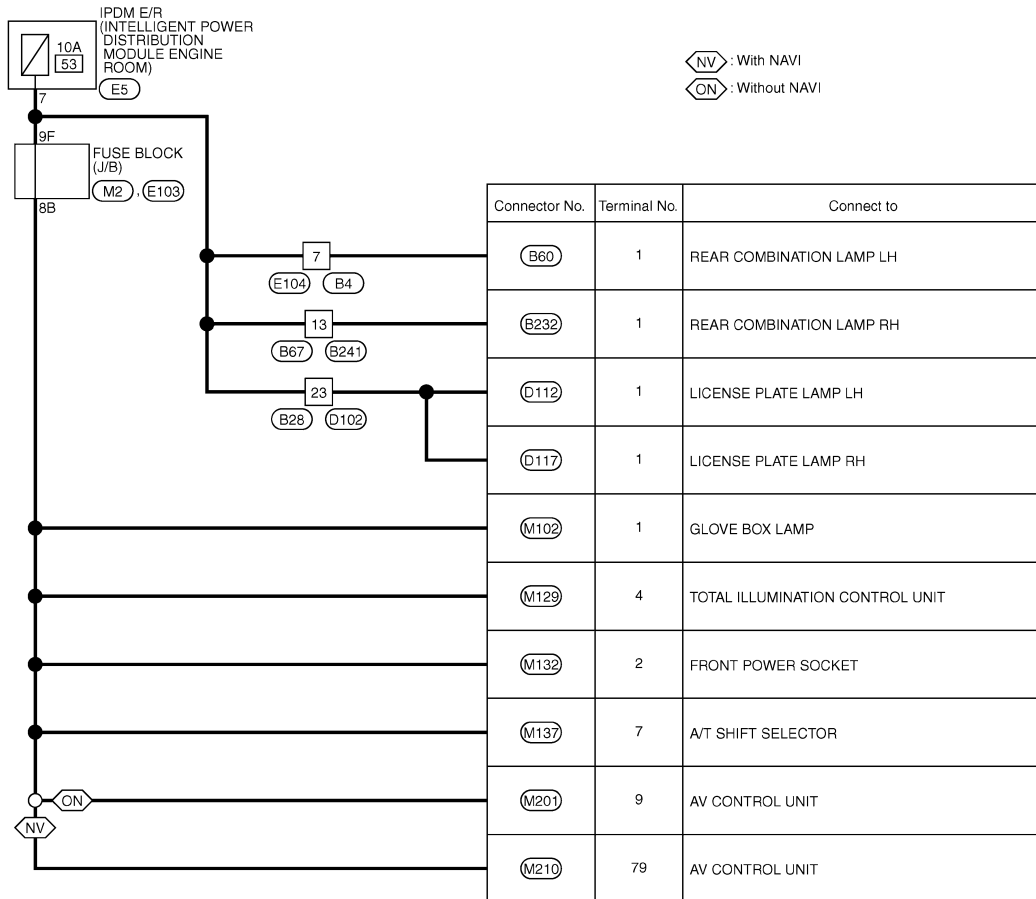
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[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 53 -

INFOID:000000010577235

BATTERY POWER SUPPLY FUSE No. 53



2013/02/13

JRMWD8243GB

POWER SUPPLY ROUTING CIRCUIT

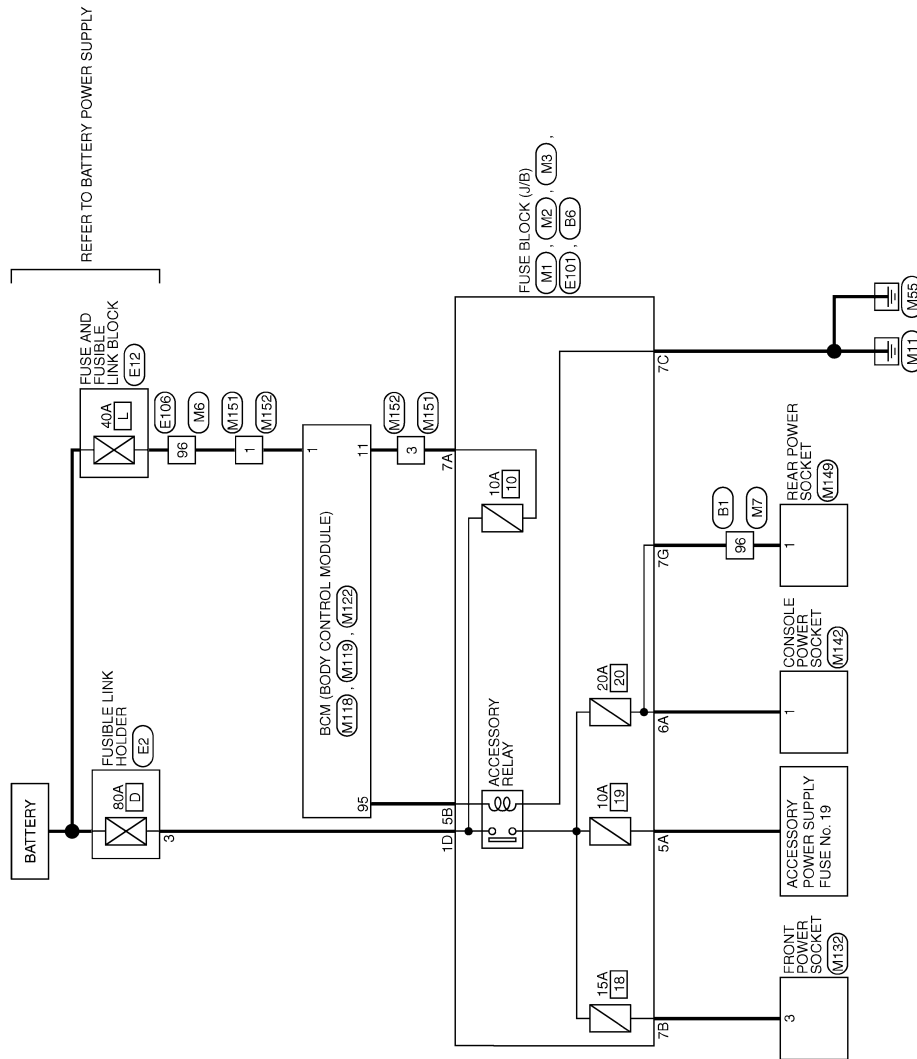
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - ACCESSORY POWER SUPPLY -

INFOID:000000010577236

ACCESSORY POWER SUPPLY



2013/02/13

JRMWD8244GB

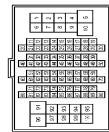
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

ACCESSORY POWER SUPPLY

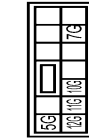
Connector No.	B1
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4



Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	-
2	L	-
3	W	-
4	G	-
5	P	-
6	B	-
7	P	-
8	B	-
9	SB	-
10	SB	-
11	SB	-
12	B	-
13	G	-
14	R	-
15	W	-
16	SHIELD	-
17	L	-
18	P	-
19	G	-
20	Y	-
21	W	-
23	V	-
24	P	-
25	BR	-
26	GR	-
27	B	-
28	W	-
39	B	-
43	SB	-
44	V	-
45	GR	-
51	V	-
52	SB	-
53	SHIELD	-
54	BR	-
55	Y	-
56	SHIELD	-

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

Connector No.	B6
Connector Name	FUSE BLOCK (JIB)
Connector Type	NS12FBR-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
10G	W	-
11G	W	-
12G	GR	-
5G	LG	-
7G	B	-

Connector No.	B46
Connector Name	AROUND VIEW MONITOR CONTROL UNIT
Connector Type	TH40FW-AH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	GROUND
2	Y	BATTERY
3	G	IGNITION SIGNAL
4	LG	ACC
5	LG	-
6	G	-
19	SB	AV COMM (H)
20	LG	AV COMM (L)
21	SB	AV COMM (H)
22	LG	AV COMM (L)
25	B	REVERSE SIGNAL
27	L	CAN-H
28	P	CAN-L
30	SB	RETRACT MOTOR OPERATION SIGNAL (OPEN)

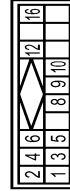
32	R	RETRACT MOTOR OPERATION SIGNAL (CLOSE)
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Connector No.	B87
Connector Name	TEL ADAPTER UNIT
Connector Type	TH32FW-AH



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

Connector No.	B236
Connector Name	SATELLITE RADIO TUNER
Connector Type	A16FW



POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

ACCESSORY POWER SUPPLY

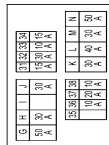
Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	SATELLITE RADIO SOUND SIGNAL LH (-)
2	B	SATELLITE RADIO SOUND SIGNAL LH (+)
3	R	SATELLITE RADIO SOUND SIGNAL RH (-)
4	G	SATELLITE RADIO SOUND SIGNAL RH (+)
5	SHIELD	SHIELD
6	SHIELD	SHIELD
8	W	REQUEST (SAT->CONT)
9	B	COMM (SAT->CONT)
10	R	COMM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

Connector No.	E2
Connector Name	FUSIBLE LINK HOLDER
Connector Type	L02FGY-MC



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

Connector No.	E12
Connector Name	FUSE AND FUSIBLE LINK BLOCK
Connector Type	24381-7590A



Terminal No.	Color Of Wire	Signal Name [Specification]
31	BR	-
32	GR	-
33	BG	-

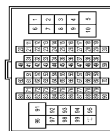
34	Y	-
36	BR	-
37	L	-
38	P	-
G	R	- [With VQ engine]
G	Y	- [With VK engine]
H	GR	-
J	W	-
K	V	-
L	W	-
M	R	-
N	G	-

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



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

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



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

6	W	-
7	G	-
8	V	-
9	R	-
10	BR	-
11	B	-
12	G	-
13	R	-
14	W	-
15	SHIELD	-
16	SB	-
17	L	-
18	P	-
19	G	-
20	W	- [With ICC]
21	BR	- [Without ICC]
22	R	- [With ICC]
22	V	- [Without ICC]
23	G	-
24	L	- [With ICC]
24	P	- [Without ICC]
25	L	- [Without ICC]
25	Y	- [With ICC]
26	SHIELD	-
28	G	-
29	LG	-
30	BG	-
32	W	-
33	Y	-
34	BG	-
37	Y	-
38	GR	-
39	LG	-
41	LG	-
42	V	-
43	R	-
44	G	-
45	GR	-
46	W	-
47	L	-
48	P	-
49	SB	-
50	BR	-
51	B	-
52	Y	-
53	BG	-
54	R	-
55	SB	-
59	P	-

60	SB	-
61	V	-
62	P	-
63	LG	-
64	L	-
65	BG	-
69	L	-
70	SHIELD	-
71	G	-
72	G	-
73	R	-
74	BR	-
76	L	-
77	W	-
78	Y	-
80	SB	-
81	L	-
82	W	-
83	LG	-
84	GR	-
85	G	-
86	P	-
87	W	-
88	BG	-
89	LG	-
90	BR	-
91	GR	-
92	BR	-
93	SB	-
95	Y	-
96	W	-
97	W	-
98	SHIELD	-
100	Y	-

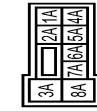
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

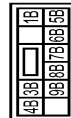
ACCESSORY POWER SUPPLY

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



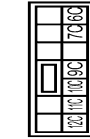
Terminal No.	Color Of Wire	Signal Name [Specification]
1A	BG	-
2A	G	-
3A	L	-
4A	R	-
5A	Y	-
6A	Y	-
7A	R	-
8A	L	-

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



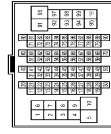
Terminal No.	Color Of Wire	Signal Name [Specification]
1B	LG	-
3B	P	-
4B	G	-
5B	BG	-
6B	Y	-
7B	L	-
8B	R	-
9B	BR	-

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



Terminal No.	Color Of Wire	Signal Name [Specification]
10C	L	-
11C	LG	-
12C	R	-
13C	P	-
14C	B	-
15C	BG	-
16C	Y	-
17C	Y	-

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4



Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	-
2	BG	-
3	LG	- [Without Auto aircon seat] - [With Auto aircon seat]
4	LG	-
5	GR	-
6	W	-
7	G	-
8	W	-
9	P	-
10	BR	-
11	B	-
12	G	-
13	R	-

14	W	SHIELD
15	SHIELD	-
16	BR	-
17	L	-
18	P	-
19	G	-
20	GR	- [Without ICC] - [With ICC]
21	BR	- [Without ICC] - [With ICC]
22	R	- [Without ICC] - [With ICC]
23	G	-
24	L	- [Without ICC] - [With ICC]
25	W	- [Without ICC] - [With ICC]
26	Y	- [Without ICC] - [With ICC]
27	SHIELD	-
28	GR	-
29	V	-
30	BG	-
31	W	-
32	Y	-
33	L	-
34	L	-
35	G	-
36	R	-
37	G	-
38	R	-
39	G	-
40	L	-
41	L	-
42	W	-
43	R	-
44	LG	-
45	GR	-
46	W	-
47	L	-
48	P	-
49	BG	-
50	LG	-
51	SB	-
52	Y	-
53	BG	-
54	BR	-
55	SB	-
56	SB	-
57	SB	-
58	SB	-
59	SB	-
60	SB	-
61	V	-
62	P	-
63	R	-
64	L	-
65	BG	-
66	V	-

Connector No.	M7
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4



Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	- [With Auto aircon seat] - [Without Auto aircon seat]
2	Y	-
3	B	-
4	W	-
5	P	-
6	V	-
7	BG	-
8	BG	-

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

ACCESSORY POWER SUPPLY

10	W	-
11	BG	-
12	B	-
13	G	-
14	R	-
15	W	-
16	SHIELD	-
17	L	-
18	P	-
19	G	-
20	R	-
21	LG	-
23	V	-
24	P	-
25	BR	-
26	GR	-
27	BG	-
28	W	-
38	B	-
39	B	-
43	SB	-
44	W	-
45	B	-
51	V	-
52	LG	-
53	SHIELD	-
54	BR	-
55	Y	-
56	SHIELD	-
57	P	-
58	L	-
59	SHIELD	-
60	L	-
61	BR	-
62	R	-
63	Y	-
64	L	-
65	W	-
66	V	-
67	LG	-
68	Y	-
69	G	-
70	V	-
71	W	-
72	B	-
73	W	-
74	LG	-
75	P	-
76	LG	-
77	SB	-

Connector No.	M20
Connector Name	DOOR MIRROR REMOTE CONTROL SWITCH
Connector Type	TK16FW



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

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

Connector No.	M26
Connector Name	DOOR MIRROR REMOTE CONTROL SWITCH
Connector Type	TK16FR



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

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

Connector No.	M42
Connector Name	DIODE
Connector Type	ET02-2W



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

Connector No.	M67
Connector Name	UNIFIED METER AND A/C AMP.
Connector Type	TH32FM-NH



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
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Terminal No.	Color	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	V	-	GAS SENSOR SIGNAL
53	G	-	IGNITION POWER SUPPLY
54	BG	-	BATTERY POWER SUPPLY
55	B	-	GROUND
56	L	-	CANH
57	W	-	BRAKE FLUID LEVEL SWITCH SIGNAL
58	B	-	FUEL LEVEL SENSOR GROUND
59	GR	-	INTAKE SENSOR GROUND
60	L	-	IN-VEHICLE SENSOR GROUND
61	BR	-	AMBIENT SENSOR GROUND
62	SB	-	SUNLOAD SENSOR GROUND
63	R	-	ION MODE SIGNAL
65	BG	-	ECV SIGNAL
69	L	-	AC/LAN SIGNAL
70	R	-	EACH DOOR MOTOR POWER SUPPLY
71	B	-	GROUND
72	P	-	CANH

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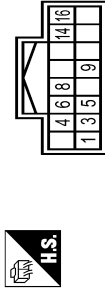
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

ACCESSORY POWER SUPPLY

Connector No.	M172
Connector Name	MULTIFUNCTION SWITCH
Connector Type	TH16FW-NH



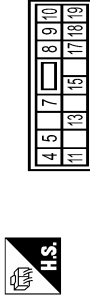
Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	GROUND
2	V	ACC
3	R	ILL CONT
4	R	ILL CONT
5	R	AV CONN (H)
6	SB	AV CONN (L)
8	LG	SW GND
9	BR	DISK EJECT SIGNAL
14	SB	HAZARD ON
16	G	

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



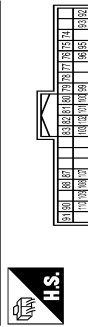
Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	BAT (ILL)
2	Y	POWER WINDOW POWER SUPPLY (BAT)
3	BG	POWER WINDOW POWER SUPPLY (BAP)

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



Terminal No.	Color Of Wire	Signal Name [Specification]
4	P	INT ROOM LAMP PWR SUPPLY (BAT SAME)
5	V	PASSENGER DOOR UNLOCK OUTPUT
7	Y	STEP LAMP OUTPUT
8	V	ALL DOOR FUEL ID LOCK OUTPUT
9	G	DRIVER DOOR FUEL ID LOCK OUTPUT
10	BR	REAR DOOR UNLOCK OUTPUT
11	R	BAT (FUSE)
13	B	GROUND
15	Y	ACC IND
17	W	TURN SIGNAL RH (FRONT)
18	BG	TURN SIGNAL LH (FRONT)
19	SB	ROOM LAMP TIMER

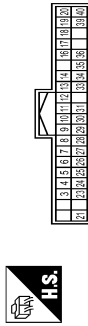
Connector No.	M122
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FB-NH



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	P	IGN RELAY (F/B) CONT
83	GR	KEYLESS ENTRY RECEIVER SIGNAL
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
93	V	ON IND
95	BG	ACC RELAY CONT
96	GR	AT 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	BR	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.	M129
Connector Name	TOTAL ILLUMINATION CONTROL UNIT
Connector Type	TH40FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
3	V	DDL2
4	L	TAIL LAMP SIGNAL
5	V	ACC SIGNAL
6	P	BAT SAVER SIGNAL
7	W	IGN SIGNAL
8	G	DOOR SW (AS)
9	BG	DOOR SW (RL)
10	SB	MOOD LAMP (FR ARMREST RH)
11	Y	MOOD LAMP (FR ARMREST RH)
12	P	MAP LAMP (AS)
13	G	PERSONAL LAMP (LH)
14	R	PERSONAL LAMP (RH)
16	GR	FOOT LAMP (RH)
17	LG	HSPL ILLUMINATIONS
18	L	MAP LAMP (DR)

19	R	PUSH ENG START SW LED
20	Y	AMBIENCE LAMP
21	R	BAT POWER SUPPLY
23	B	GROUND
24	B	ILL CONT INPUT
25	BR	DOOR SW (RR)
26	BR	MAP LAMP SW (DOOR)
27	R	MAP LAMP SW (ALL ON)
28	SB	ROOM LAMP TIMER
29	GR	DOOR SW (DR)
30	LG	MOOD LAMP (FR ARMREST LH)
31	BG	MOOD LAMP (FR ARMREST LH)
33	W	HSPL POWER SUPPLY 3
34	R	HSPL POWER SUPPLY 2
35	V	HSPL POWER SUPPLY 1
36	L	FOOT LAMP (LH)
39	B	Puddle LAMP (RW)
40	BG	Puddle LAMP (LH)

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



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

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

ACCESSORY POWER SUPPLY

Connector No.	M142
Connector Name	CONSOLE POWER SOCKET
Connector Type	P02FB-Z



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

Connector No.	M149
Connector Name	REAR POWER SOCKET
Connector Type	P02FB-Z



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

Connector No.	M151
Connector Name	WIRE TO WIRE
Connector Type	M03FW-LC



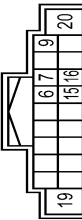
Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	Y	-
3	R	-

Connector No.	M152
Connector Name	WIRE TO WIRE
Connector Type	M03MW-LC



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

Connector No.	M201
Connector Name	AV CONTROL UNIT
Connector Type	TH18FW-LCS2



Terminal No.	Color Of Wire	Signal Name [Specification]
6	P	STRG SW A
7	V	ACC
9	B	ILLUMINATION SIGNAL
15	B	STRG SW GND
16	L	STRG SW B
19	Y	BATTERY
20	B	GROUND

POWER SUPPLY ROUTING CIRCUIT

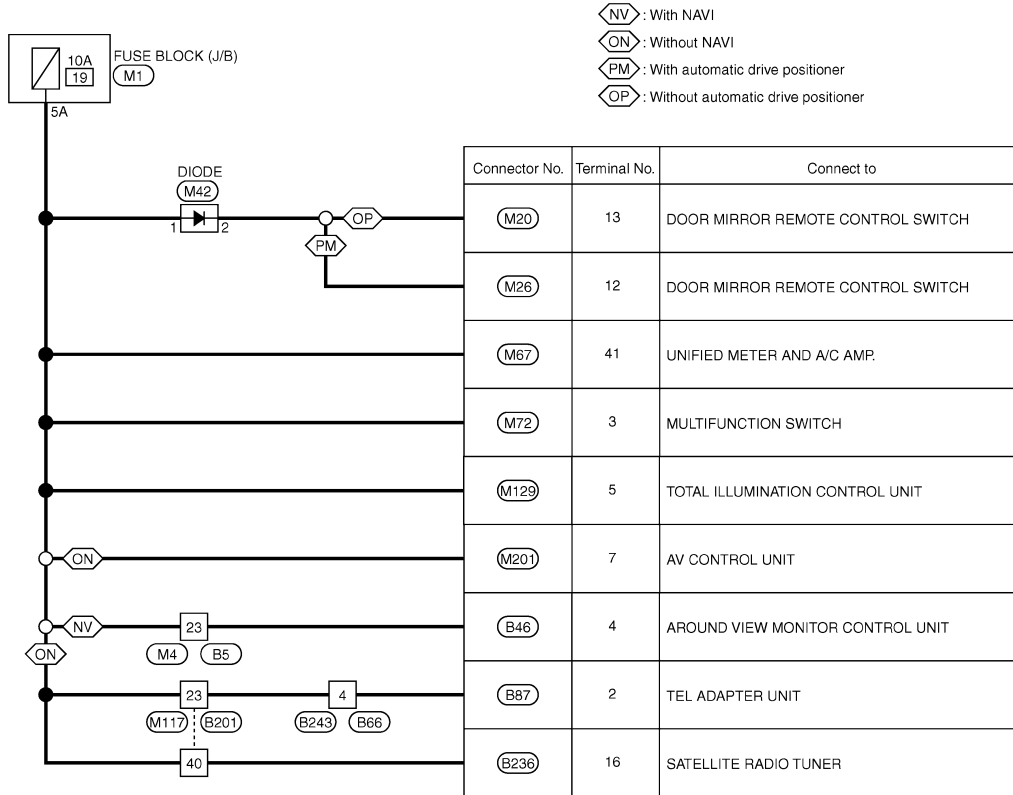
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - ACCESSORY POWER SUPPLY FUSE No. 19 -

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ACCESSORY POWER SUPPLY FUSE No. 19



2012/06/05

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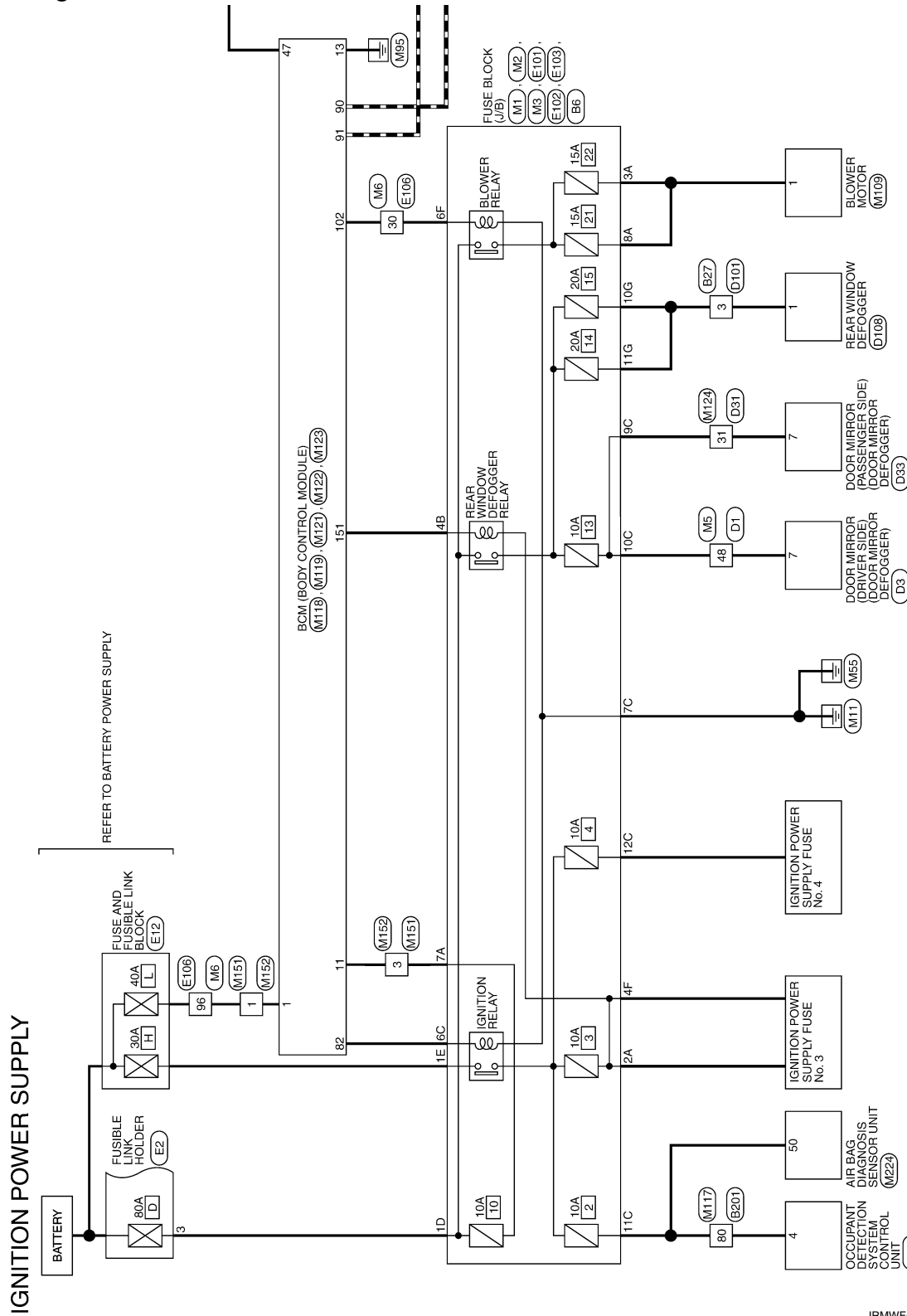
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - IGNITION POWER SUPPLY -

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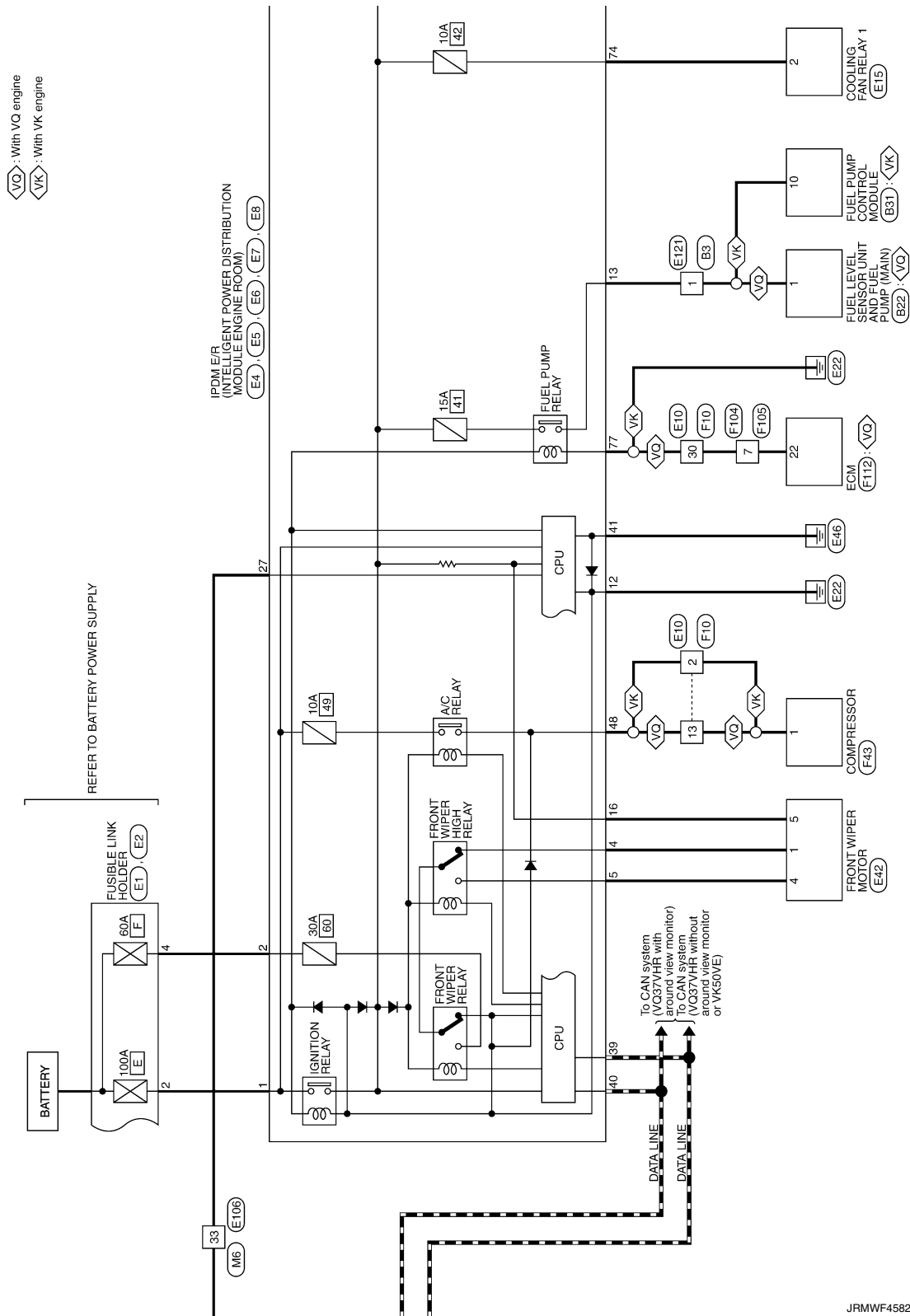
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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]



JRMWF4582GB

[POWER SUPPLY & GROUND CIRCUIT]

 : With VK engine
 : With ICC

The diagram illustrates the electrical connections for the IPDM/ER (Intelligent Power Distribution Module/Engine Room). It shows a main power rail with four 10A fuses (43, 44, 45, 46) and a 15A fuse (47). The connections are as follows:

- Fuse 43:** Connected to terminal 58, which branches to the A/T ASSEMBLY (F51) and the SNOW MODE SWITCH (M179).
- Fuse 44:** Connected to terminal 19, which branches to the IGNITION POWER SUPPLY FUSE No. 44 and the VK relay.
- Fuse 45:** Connected to terminal 25, which branches to the IGNITION POWER SUPPLY FUSE No. 45 and the IC relay.
- Fuse 46:** Connected to terminal 56, which branches to the IGNITION POWER SUPPLY FUSE No. 46 and the M6 relay.
- Fuse 47:** Connected to terminal 88, which branches to the COMBINATION SWITCH (M33) and the M6 relay.

Other components and their connections include:

- IGNITION POWER SUPPLY FUSE No. 44:** Connected to terminal 19.
- IGNITION POWER SUPPLY FUSE No. 45:** Connected to terminal 25.
- IGNITION POWER SUPPLY FUSE No. 46:** Connected to terminal 56.
- COMBINATION SWITCH (M33):** Connected to terminal 88.
- ACCCELERATOR PEDAL ACTUATOR (E115):** Connected to terminal 1.
- ICC SENSOR INTEGRATED UNIT (E67):** Connected to terminal 1.
- SNOW MODE SWITCH (M179):** Connected to terminal 1.
- A/T ASSEMBLY (F51):** Connected to terminal 1.

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

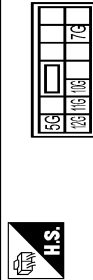
IGNITION POWER SUPPLY

Connector No.	B3
Connector Name	WIRE TO WIRE
Connector Type	M02FW-LC



Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	- [Without EV/AP]
1	R	- [With EV/AP]

Connector No.	B6
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS2FBR-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
10G	W	-
11G	W	-
12G	GR	-
5G	LG	-
7G	BG	-

Connector No.	B22
Connector Name	FUEL LEVEL SENSOR UNIT AND FUEL PUMP (MAIN)
Connector Type	E05FGY-RS



Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	- [With VK engine]
1	GR	- [With EV/AP and VQ engine]
2	W	- [Without EV/AP and VQ engine]
3	B	- [Without EV/AP and VQ engine]
3	G	- [With VK engine]
3	GY	- [With EV/AP and VQ engine]
4	R	-
5	B	-

Connector No.	B27
Connector Name	WIRE TO WIRE
Connector Type	M08MW-GY-LC



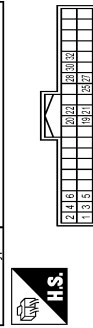
Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	-
2	B	-
3	W	-
4	B	-
6	BR	-
7	G	-
8	SHIELD	-

Connector No.	B31
Connector Name	FUEL PUMP CONTROL MODULE
Connector Type	TM10FB



Terminal No.	Color Of Wire	Signal Name [Specification]
5	B	GROUND
6	G	FUEL PUMP (+)
7	BR	FUEL PUMP (+)
8	Y	FPC INPUT SIGNAL
9	W	DIAG OUTPUT SIGNAL
10	R	BATTERY

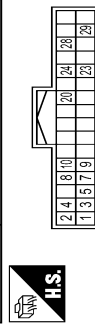
Connector No.	B46
Connector Name	AROUND VIEW MONITOR CONTROL UNIT
Connector Type	TH40FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	GROUND
2	Y	BATTERY
3	G	IGNITION SIGNAL
4	LG	ACC
5	LG	-
6	G	-
19	SB	AV COMM (H)
20	LG	AV COMM (L)
21	SB	AV COMM (H)
22	LG	AV COMM (L)
25	BG	REVERSE SIGNAL
27	L	CANH
28	P	CANL

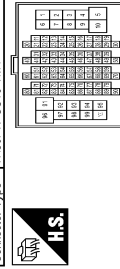
30	SB	RETRACT MOTOR OPERATION SIGNAL (OPEN)
32	R	RETRACT MOTOR OPERATION SIGNAL (CLOSE)

Connector No.	B87
Connector Name	TEL ADAPTER UNIT
Connector Type	TH32FW-NH



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

Connector No.	B201
Connector Name	WIRE TO WIRE
Connector Type	TH60FW-CS16-TM4



POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY

Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	G	-
3	BR	-
4	SB	-
6	BG	-
7	GR	-
8	W	-
10	G	-
11	SHIELD	-
20	L	-
21	P	-
22	GR	-
23	LG	-
24	W	-
25	V	-
26	G	-
27	Y	-
28	SHIELD	-
31	W	-
32	GR	-
33	SB	-
36	L	-
37	P	-
38	L	-
39	P	-
40	LG	- [With ICC] - [Without ICC]
41	SB	- [With ICC] - [Without ICC]
42	V	- [With ICC] - [Without ICC]
43	B	- [With ICC] - [Without ICC]
44	R	-
45	G	-
46	BG	- [With ICC] - [Without ICC]
47	B	- [With ICC] - [Without ICC]
48	P	- [With ICC] - [Without ICC]
49	G	- [With ICC] - [Without ICC]
50	SHIELD	-
51	W	-
52	R	-
53	G	-
54	L	-

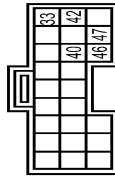
55	SB	-
60	GR	-
61	LG	-
62	SB	-
63	P	-
64	BR	-
65	BG	-
66	Y	-
67	W	-
69	G	-
71	SB	-
72	V	-
73	LG	-
74	W	-
75	BR	-
76	V	-
77	LG	-
80	BG	-
82	P	-
83	Y	-
84	R	-
85	SB	-
86	GR	-
87	L	-
91	V	-
92	W	-
93	R	-
94	LG	-
95	GR	-
96	W	-
97	G	-
98	BG	-
99	L	-

Connector No.	B214
Connector Name	OCCUPANT DETECTION SYSTEM CONTROL UNIT
Connector Type	TH04FM-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	P	K LINE
2	B	GROUND
3	G	COMMUNICATION
4	BG	IGN

Connector No.	B249
Connector Name	BRAKE BOOSTER CONTROL UNIT
Connector Type	TK24FGY



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

Connector No.	D1
Connector Name	WIRE TO WIRE
Connector Type	TH04FM-CS15



Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
3	G	-
6	GR	-
7	W	-
8	SB	-
9	BR	-
10	O	-

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

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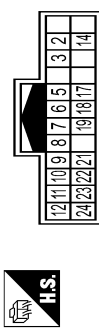
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

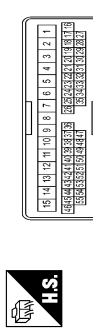
IGNITION POWER SUPPLY

Connector No.	D3
Connector Name	DOOR MIRROR (DRIVER SIDE)
Connector Type	TH40FW-GS15



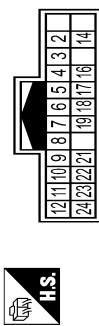
Terminal No.	Color	Wire	Signal Name [Specification]
1	R	-	-
2	R	-	-
3	W	-	-
4	G	-	-
5	G	-	-
6	R	-	-
7	GR	-	-
8	SB	-	-
9	L	-	-
10	G	-	-
11	GR	-	-
12	O	-	-
13	B	-	-
14	B	-	-
15	SHIELD	-	-
16	B	-	-
17	B	-	-
18	B	-	-
19	B	-	-
20	P	-	-
21	P	-	-
22	BR	-	-
23	W	-	-
24	V	-	-

Connector No.	D31
Connector Name	WIRE TO WIRE
Connector Type	TH40FW-GS15



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

Connector No.	D33
Connector Name	DOOR MIRROR (PASSENGER SIDE)
Connector Type	TH40MW-AH



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

Connector No.	D101
Connector Name	WIRE TO WIRE
Connector Type	M08FW-GY-LC



Terminal No.	Color	Wire	Signal Name [Specification]
1	G	-	-
2	B	-	-
3	R	-	-
4	GR	-	-
5	GR	-	-
6	LW	-	-
7	LB	-	-
8	SHIELD	-	-

Connector No.	D108
Connector Name	REAR WINDOW DEFOGGER
Connector Type	M02MW-LC



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

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY

Connector No.	E1
Connector Name	FUSIBLE LINK HOLDER
Connector Type	L02FBR-MC



Connector No.	E4
Connector Name	IPDM E/R INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	L02FB-MC



Connector No.	E6
Connector Name	IPDM E/R INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	TH08FW-AH



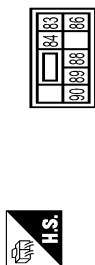
Terminal No.	Wire
69	W
70	BG
74	G
75	Y
76	P
78	V
77	B
77	L
80	W

Terminal No.	Wire
1	R
2	W

Terminal No.	Wire
1	W
2	L

Terminal No.	Wire
39	P
40	L
41	B
42	Y
43	SB
44	W
45	G
46	BR

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



Connector No.	E2
Connector Name	FUSIBLE LINK HOLDER
Connector Type	L02FG1-MC



Connector No.	E5
Connector Name	IPDM E/R INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	TH08FW-CS/2-M4-1V

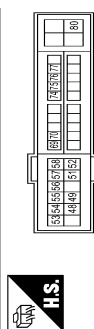


Terminal No.	Wire
39	P
40	L
41	B
42	Y
43	SB
44	W
45	G
46	BR

Terminal No.	Wire
83	R
84	P
86	W
88	G
89	BR
90	Y

Terminal No.	Wire
83	R
84	P
86	W
88	G
89	BR
90	Y

Connector No.	E7
Connector Name	IPDM E/R INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	TH08FW-CS/2-M4



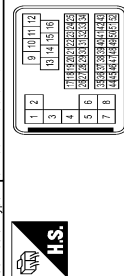
Terminal No.	Wire
3	R
4	L

Terminal No.	Wire
4	V
5	L
7	R
10	SB
12	B
13	Y
16	LG
19	W
25	G
26	R
27	Y
28	BG
30	GR
36	G

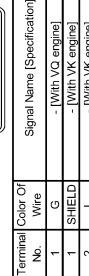
Terminal No.	Wire
48	L
49	SB
49	W
51	G
52	W
53	W
54	R
55	BR
56	BG
56	V
57	LG
58	Y

Terminal No.	Wire
83	R
84	P
86	W
88	G
89	BR
90	Y

Terminal No.	Wire
83	R
84	P
86	W
88	G
89	BR
90	Y



Terminal No.	Wire
1	G
2	L



JRMWF4587GB

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY

2	SHIELD	- [With VQ engine]
3	BR	- [With VQ engine]
3	G	- [With VK engine]
4	BR	- [With VK engine]
4	SHIELD	- [With VQ engine]
5	BR	- [With VQ engine]
5	G	- [With VK engine]
6	BR	- [With VQ engine]
6	R	- [With VK engine]
7	G	- [With VQ engine]
7	W	- [With VK engine]
8	SHIELD	- [With VQ engine]
8	W	- [With VK engine]
9	W	- [With VQ engine]
10	G	- [With VK engine]
10	W	- [With VQ engine]
11	R	- [With VK engine]
11	W	- [With VQ engine]
12	BR	- [With VQ engine]
12	W	- [With VK engine]
13	L	- [With VQ engine]
13	R	- [With VK engine]
14	LG	-
15	BG	- [With VK engine]
15	BR	- [With VQ engine]
16	V	- [With VK engine]
16	W	- [With VQ engine]
17	P	-
18	W	-
19	W	-
20	BR	-
21	SB	- [With VK engine]
21	Y	- [With VQ engine]
22	G	- [With VK engine]
22	W	- [With VQ engine]
23	R	- [With VK engine]
23	V	- [With VQ engine]
24	G	- [With VK engine]
24	Y	- [With VQ engine]
25	LG	-
26	LG	-
27	G	- [With VK engine]
27	GR	- [With VQ engine]
28	GR	- [With VK engine]
28	V	- [With VQ engine]
29	P	-
30	L	- [With VQ engine]
30	W	- [With VK engine]
31	G	- [With VQ engine]
31	W	- [With VK engine]

32	L	- [With VK engine]
32	V	- [With VQ engine]
33	BG	- [With VK engine]
33	W	- [With VQ engine]
34	BG	-
35	R	-
36	SHIELD	-
37	SHIELD	-
37	Y	- [With VK engine]
38	L	- [With VQ engine]
38	SHIELD	- [With VK engine]
39	P	- [With VQ engine]
39	W	- [With VK engine]
40	R	- [With VQ engine]
40	SHIELD	- [With VK engine]
41	W	- [With VQ engine]
41	Y	- [With VK engine]
42	LG	- [With VQ engine]
42	SHIELD	- [With VK engine]
43	G	- [With VQ engine]
43	W	- [With VK engine]
44	G	-
45	L	-
46	G	- [With VK engine]
46	SHIELD	- [With VQ engine]
47	B	- [With VK engine]
47	W	- [With VQ engine]
48	BR	- [With VK engine]
48	R	- [With VQ engine]
49	G	- [With VK engine]
49	L	- [With VQ engine]
50	B	- [With VK engine]
50	G	- [With VQ engine]
51	B	- [With VK engine]
51	SB	- [With VQ engine]
52	R	-

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



32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52
A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A

Terminal No.	Color	Wire	Signal Name [Specification]
31	BR	-	-
32	GR	-	-
33	BG	-	-
34	Y	-	-
36	BR	-	-
37	L	-	-
38	P	-	-
G	R	-	- [With VQ engine]
G	Y	-	- [With VK engine]
H	GR	-	-
J	W	-	-
K	V	-	-
L	W	-	-
M	R	-	-
N	G	-	-

Connector No.	E15
Connector Name	COOLING FAN RELAY 1
Connector Type	24347_9F900



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

Connector No.	E26
Connector Name	FRONT COMBINATION LAMP RH
Connector Type	RK03FB



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

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



Terminal No.	Color	Wire	Signal Name [Specification]
1	B	-	GROUND
2	G	-	UBMR
3	R	-	UBVR
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	-	CANL
15	SHIELD	-	AGND
19	P	-	UST
23	Y	-	BUS-L
26	R	-	DP-FL
27	GR	-	DS RL
28	G	-	UZ

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY

29	LG	DS RR
30	SB	BLS
31	R	VDC OFF SW
35	L	CAN-H
45	B	BUS-H

Connector No.	E42
Connector Name	FRONT WIPER MOTOR
Connector Type	HS05FGY



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

Connector No.	E56
Connector Name	FRONT COMBINATION LAMP LH
Connector Type	RK03FB



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

Connector No.	E67
Connector Name	ICC SENSOR INTEGRATED UNIT
Connector Type	RS08FB-PR



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

Connector No.	E75
Connector Name	EXHAUST GAS / OUTSIDE COOK DETECTING SENSOR
Connector Type	RH03FB



Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	AQS POWER
2	P	AQS S GND
3	W	AQS S OUTPUT

Connector No.	E91
Connector Name	ICC BRAKE HOLD RELAY
Connector Type	MO0FGY-R-US



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

Connector No.	E101
Connector Name	FUSE BLOCK (J/B)
Connector Type	LO1FW-MC



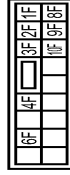
Terminal No.	Color Of Wire	Signal Name [Specification]
1D	R	-

Connector No.	E102
Connector Name	FUSE BLOCK (J/B)
Connector Type	MO2FB-LC



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

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



Terminal No.	Color Of Wire	Signal Name [Specification]
10F	L	-
1F	SB	-
2F	W	-
3F	Y	-
4F	G	-
6F	BG	-
8F	L	-
9F	R	-

JRMWF4589GB

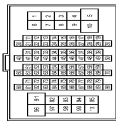
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY

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



Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	-
2	BG	-
3	SB	-
4	LG	-
5	Y	-
6	W	-
7	G	-
8	V	-
9	R	-
10	BR	-
11	B	-
12	G	-
13	R	-
14	W	-
15	SHIELD	-
16	SB	-
17	L	-
18	P	-
19	G	-
20	W	- [With ICC]
21	Y	- [Without ICC]
22	BR	- [With ICC]
23	V	- [Without ICC]
24	L	- [With ICC]
25	P	- [Without ICC]
26	L	- [Without ICC]
27	Y	- [With ICC]
28	SHIELD	-
29	LG	-
30	RG	-
31	W	-
32	Y	-
33	BG	-

37	Y	-
38	GR	-
39	LG	-
40	LG	-
41	V	-
42	R	-
43	G	-
44	GR	-
45	W	-
46	L	-
47	P	-
48	SB	-
49	BR	-
50	B	-
51	Y	-
52	BG	-
53	SB	-
54	SB	-
55	P	-
56	SB	-
57	V	-
58	P	-
59	L	-
60	LG	-
61	W	-
62	R	-
63	L	-
64	BR	-
65	W	-
66	Y	-
67	SB	-
68	L	-
69	SHIELD	-
70	G	-
71	R	-
72	W	-
73	BR	-
74	L	-
75	P	-
76	W	-
77	Y	-
78	SB	-
79	L	-
80	GR	-
81	G	-
82	W	-
83	BR	-
84	P	-
85	SB	-
86	L	-
87	W	-
88	BR	-
89	LG	-
90	BR	-
91	GR	-
92	BR	-
93	SB	-
94	Y	-
95	W	-

97	W	-
98	SHIELD	-
100	Y	-

Connector No.	E109
Connector Name	ASC2 BRAKE SWITCH
Connector Type	M02FBR-LC



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

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



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

Connector No.	E115
Connector Name	ACCELERATOR PEDAL ACTUATOR
Connector Type	KD206FB



Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	IGNITION
2	BG	BATTERY
3	P	ITS COM+L
4	B	GROUND
5	L	ITS COM+H

Connector No.	E121
Connector Name	WIRE TO WIRE
Connector Type	M02MM-LC



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

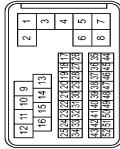
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY

Connector No.	F10
Connector Name	WIRE TO WIRE
Connector Type	ISAA36FB-RS8-SH28



Terminal No.	Color	Wire	Signal Name [Specification]
1	G	-	[With VK engine]
2	SHIELD	-	[With VK engine]
3	Y	-	[With VK engine]
4	GR	-	[With VK engine]
5	SHIELD	-	[With VK engine]
6	B	-	[With VK engine]
7	R	-	[With VK engine]
8	W	-	[With VK engine]
9	W	-	[With VK engine]
10	G	-	[With VK engine]
11	R	-	[With VK engine]
12	P	-	[With VK engine]
13	L	-	[With VK engine]
14	L	-	[With VK engine]
15	O	-	[With VK engine]
16	R	-	[With VK engine]
17	GR	-	[With VK engine]
18	G	-	[With VK engine]
19	O	-	[With VK engine]
20	R	-	[With VK engine]
21	Y	-	[With VK engine]

22	B	-	[With VK engine]
23	LG	-	[With VK engine]
24	Y	-	[With VK engine]
25	V	-	[With VK engine]
26	O	-	[With VK engine]
27	GR	-	[With VK engine]
28	BR	-	[With VK engine]
29	L	-	[With VK engine]
30	GR	-	[With VK engine]
31	BR	-	[With VK engine]
32	G	-	[With VK engine]
33	L	-	[With VK engine]
34	O	-	[With VK engine]
35	P	-	[With VK engine]
36	SHIELD	-	[With VK engine]
37	Y	-	[With VK engine]
38	W	-	[With VK engine]
39	Y	-	[With VK engine]
40	G	-	[With VK engine]
41	B	-	[With VK engine]
42	GR	-	[With VK engine]
43	R	-	[With VK engine]
44	LG	-	[With VK engine]
45	L	-	[With VK engine]
46	G	-	[With VK engine]
47	B	-	[With VK engine]
48	LG	-	[With VK engine]
49	R	-	[With VK engine]
50	B	-	[With VK engine]

50	G	-	[With VK engine]
51	B	-	[With VK engine]
52	R	-	[With VK engine]

Connector No.	F43
Connector Name	COMPRESSOR
Connector Type	RS01FB



Terminal No.	Color	Wire	Signal Name [Specification]
1	Y	-	[With VK engine]

Connector No.	F44
Connector Name	COMPRESSOR
Connector Type	RK02FGY



Terminal No.	Color	Wire	Signal Name [Specification]
2	Y	-	[With VK engine]
3	O	-	[With VK engine]

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



Terminal No.	Color	Wire	Signal Name [Specification]
1	Y	-	IGNITION POWER SUPPLY
2	R	-	BATTERY POWER SUPPLY (MEMORY BACK-UP)
3	L	-	CANH
4	V	-	CLINE
5	B	-	GROUND
6	Y	-	IGNITION POWER SUPPLY
7	R	-	BACK-UP LAMP RELAY
8	P	-	CAN-L
9	GR	-	STARTER RELAY [With VK engine]
10	B	-	STARTER RELAY [With VK engine]

Connector No.	F57
Connector Name	HEATED OXYGEN SENSOR 2 (BANK 1)
Connector Type	AFZ04FB



Terminal No.	Color	Wire	Signal Name [Specification]
1	B	-	[With VK engine]
2	L	-	[With VK engine]
3	R	-	[With VK engine]
4	W	-	[With VK engine]

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY

Connector No.	F58
Connector Name	HEATED OXYGEN SENSOR 2 (BANK 2)
Connector Type	AEZ04FB



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

Connector No.	F52
Connector Name	HEATED OXYGEN SENSOR 2 (BANK 1)
Connector Type	RH4MB



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

Connector No.	F53
Connector Name	HEATED OXYGEN SENSOR 2 (BANK 2)
Connector Type	RH4MB



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

Connector No.	F54
Connector Name	AIR FUEL RATIO (A/F) SENSOR 1 (BANK 1)
Connector Type	RH4FDGY-P



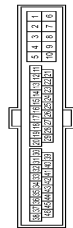
Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	-
2	R	-
3	W	-
4	Y	-

Connector No.	F55
Connector Name	AIR FUEL RATIO (A/F) SENSOR 1 (BANK 2)
Connector Type	RH4FDGY-P



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

Connector No.	F103
Connector Name	WIRE TO WIRE
Connector Type	TK36FW-NS10



Terminal No.	Color Of Wire	Signal Name [Specification]
2	G	-
3	W	-
4	GR	- [With VK engine]
5	B	- [With VQ engine]
6	R	- [With VK engine]
7	B	-
8	W	- [With VK engine]
9	Y	- [With VQ engine]
10	GR	- [With VQ engine]
11	L	- [With VK engine]
12	O	-
13	Y	-
14	L	-
15	B	-
16	LG	-

31	R	-
34	LG	-
35	BR	-
36	W	-
37	Y	-
38	Y	-
43	P	-
44	L	-
45	Y	-
46	V	-

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



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

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



POWER SUPPLY ROUTING CIRCUIT

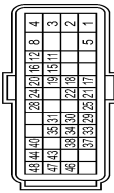
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY

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

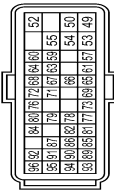
Connector No.	F112
Connector Name	ECM
Connector Type	RH40FBR-R28-L-J-H-Z



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	A/F SENSOR 1 HEATER (BANK 1)
2	G	THROTTLE CONTROL MOTOR (OPEN) (BANK 1)
3	R	THROTTLE CONTROL MOTOR RELAY POWER SUPPLY (BANK 1)
4	BR	THROTTLE CONTROL MOTOR (CLOSE) (BANK 1)
5	W	A/F SENSOR 1 HEATER (BANK 2)
8	B	ECM GROUND
11	GR	IGNITION SIGNAL NO. 4
12	L	IGNITION SIGNAL NO. 3
15	V	IGNITION SIGNAL NO. 5
16	G	IGNITION SIGNAL NO. 2
17	P	HEATED OXYGEN SENSOR 2 HEATER (BANK 1)
18	W	INTAKE VALVE TRING CONTROL SOLENOID VALVE (BANK 1)
19	SB	IGNITION SIGNAL NO. 6
20	Y	IGNITION SIGNAL NO. 1
21	GR	ECM CANISTER PURGE VALVE CONTROL SOLENOID VALVE
22	R	FUEL PUMP RELAY
24	P	ECM RELAY (SELF SHUT-OFF)
25	O	THROTTLE CONTROL MOTOR RELAY
28	BR	VTEC ACTUATOR MOTOR RELAY ABORT SIGNAL
29	G	INTAKE VALVE TRING CONTROL SOLENOID VALVE (BANK 2)
30	Y	THROTTLE POSITION SENSOR 1 (BANK 1)
31	R	THROTTLE POSITION SENSOR 1 (BANK 2)
33	SB	HEATED OXYGEN SENSOR 2 HEATER (BANK 2)
34	B	THROTTLE POSITION SENSOR 2 (BANK 1)
35	W	THROTTLE POSITION SENSOR 2 (BANK 2)

37	W	CRANKSHAFT POSITION SENSOR
38	O	MANFOLD ABSOLUTE PRESSURE (MAP) SENSOR
40	R	SENSOR GROUND
43	G	SENSOR POWER SUPPLY
44	L	SENSOR POWER SUPPLY
46	R	SENSOR POWER SUPPLY
47	Y	SENSOR GROUND
48	B	SENSOR GROUND

Connector No.	F113
Connector Name	ECM
Connector Type	RH40FBR-R28-L-J-H-Z



Terminal No.	Color Of Wire	Signal Name [Specification]
49	GR	THROTTLE CONTROL MOTOR (CLOSE) (BANK 2)
50	V	THROTTLE CONTROL MOTOR RELAY POWER SUPPLY (BANK 2)
52	R	IGNITION SWITCH
53	W	CAN COMMUNICATION LINE (LEVEL CONTROL MODULE)
54	Y	CAN COMMUNICATION LINE (LEVEL CONTROL MODULE)
55	LG	A/F SENSOR 1 (BANK 1)
57	L	CAMSHAFT POSITION SENSOR (BANK 1)
59	O	SENSOR POWER SUPPLY
60	G	A/F SENSOR 1 (BANK 1)
61	R	CAMSHAFT POSITION SENSOR (BANK 2)
63	L	SENSOR POWER SUPPLY
64	SB	A/F SENSOR 1 (BANK 2)
65	LG	A/F SENSOR 1 (BANK 2)
66	V	INTAKE AIR TEMPERATURE SENSOR
67	P	SENSOR GROUND
68	LG	SENSOR GROUND
69	W	ENGINE COOLANT TEMPERATURE SENSOR
71	Y	ENGINE COOLANT TEMPERATURE SENSOR
72	SHIELD	SENSOR GROUND (KNOCK SENSOR)
73	W	KNOCK 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	MASS AIR FLOW SENSOR (BANK 2)
80	O	HEATED OXYGEN SENSOR 2 (BANK 2)
81	R	FUEL INJECTOR NO. 3

82	V	FUEL INJECTOR NO. 6
84	B	SENSOR GROUND
85	BR	FUEL INJECTOR NO. 2
86	W	FUEL INJECTOR NO. 5
87	Y	POWER STEERING PRESSURE SENSOR
89	GR	FUEL INJECTOR NO. 1
90	O	FUEL INJECTOR NO. 4
91	SB	BATTERY CURRENT SENSOR
92	G	SENSOR GROUND
93	P	POWER SUPPLY FOR ECM (BACK-UP)
94	Y	SENSOR GROUND
95	G	SENSOR GROUND
96	P	SENSOR GROUND

Connector No.	F123
Connector Name	FUEL INJECTOR No. 1
Connector Type	HS02FGY



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

Connector No.	F124
Connector Name	FUEL INJECTOR No. 2
Connector Type	HS02FGY



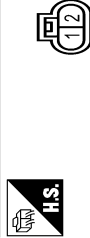
Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	R	-

Connector No.	F125
Connector Name	FUEL INJECTOR No. 3
Connector Type	HS02FGY



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

Connector No.	F126
Connector Name	FUEL INJECTOR No. 4
Connector Type	HS02FGY



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

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY

Connector No.	F127
Connector Name	FUEL INJECTOR No. 5
Connector Type	HS02FGY



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

Connector No.	F128
Connector Name	FUEL INJECTOR No. 6
Connector Type	HS02FGY



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

Connector No.	F129
Connector Name	FUEL INJECTOR No. 7
Connector Type	HS02FGY



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

Connector No.	F130
Connector Name	FUEL INJECTOR No. 8
Connector Type	HS02FGY



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

Connector No.	F131
Connector Name	AR FUEL RATIO (AF) SENSOR 1 (BANK 1)
Connector Type	RH4MDSY-BR



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

Connector No.	F132
Connector Name	AR FUEL RATIO (AF) SENSOR 1 (BANK 2)
Connector Type	RH4MDSY-BR



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

Connector No.	F151
Connector Name	TCM
Connector Type	SP10FG



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

Connector No.	F221
Connector Name	FUEL INJECTOR No. 1
Connector Type	HS02FGY



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

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY

Connector No.	F222
Connector Name	FUEL INJECTOR No. 2
Connector Type	HS02FGY



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

Connector No.	F223
Connector Name	FUEL INJECTOR No. 3
Connector Type	HS02FGY



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

Connector No.	F224
Connector Name	FUEL INJECTOR No. 4
Connector Type	HS02FGY



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

Connector No.	F225
Connector Name	FUEL INJECTOR No. 5
Connector Type	HS02FGY



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

Connector No.	F226
Connector Name	FUEL INJECTOR No. 6
Connector Type	HS02FGY



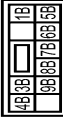
Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	-
2	V	-

Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS06FM-J2



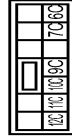
Terminal No.	Color Of Wire	Signal Name [Specification]
1A	BG	-
2A	G	-
3A	L	-
4A	R	-
5A	V	-
6A	Y	-
7A	R	-
8A	L	-

Connector No.	M2
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS10FM-CS



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

Connector No.	M3
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS12FM-CS



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

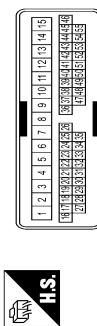
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY

Connector No.	M5
Connector Name	WIRE TO WIRE
Connector Type	TH40MW-CS15



Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
3	SB	-
6	R	-
7	W	-
8	G	-
9	L	-
10	BG	-
11	G	-
12	V	-
13	Y	-
14	P	-
15	L	-
20	BG	-
21	LG	-
22	V	-
23	Y	-
24	P	-
26	SB	-
27	V	-
28	LG	-
29	R	-
30	P	-
31	BG	-
32	SB	-
33	L	-
34	R	-
35	B	-
36	R	-
37	G	-
38	SHIELD	-
39	W	-
40	B	-
41	SHIELD	-
42	G	-
43	R	-
44	G	-

45	Y	-
46	GR	-
47	W	-
48	L	-
49	R	-
50	BG	-
51	SB	-
52	R	-
53	Y	-
54	LG	-
55	L	-

Connector No.	M5
Connector Name	WIRE TO WIRE
Connector Type	TH40MW-CS16-TM44



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

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

Connector No.	M16
Connector Name	A-F-S CONTROL UNIT
Connector Type	TH40FW-M4



Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	IGN
2	LG	PSG-R
4	Y	PSV-R
6	W	HSV-R
7	P	CAN-L
8	B	HSG-R
9	GR	PSR
11	R	SMR-1 (-)
13	B	SMR-2 (-)
15	G	SM-L (-)
17	W	SM-L-2 (+)
19	SB	ANDS-R
24	V	PSV-L
25	B	GROUND
27	BR	PSG-L
28	SB	HSR

21	R	-
22	L	-
23	G	-
24	P	-
25	W	-
26	SHIELD	-
28	GR	-
29	V	-
30	BG	-
32	W	-
33	Y	-
34	L	-
37	G	-
38	R	-
39	G	-
41	L	-
42	W	-
43	R	-
44	LG	-
45	GR	-
46	W	-
47	L	-
48	P	-
49	BG	-
50	LG	-
51	SB	-
52	Y	-
53	BG	-
54	BR	-
55	SB	-
59	SB	-
60	SB	-
61	V	-
62	P	-
63	R	-
64	L	-
65	BG	-
69	V	-
70	SHIELD	-
71	BG	-
72	GR	-
73	W	-
74	SB	-
76	V	-
77	Y	-
78	Y	-
80	BG	-

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POWER SUPPLY ROUTING CIRCUIT

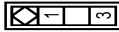
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[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY

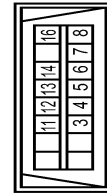
29	BG	PS-L
30	L	CAN-H
32	G	SMR-2 (+)
34	W	SMR-1 (+)
36	R	SML-2 (-)
38	B	SML-1 (-)
40	BG	AMDS-L

Connector No.	M17
Connector Name	ICC WARNING CHIME
Connector Type	A03FW



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

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



Terminal No.	3	4	5	6	7	8	11	12	13
Color	LG	B	B	L	GR	SB	P	SB	L
Wire	-	-	-	-	-	-	-	-	-
Signal Name [Specification]	-	-	-	-	-	-	-	-	-

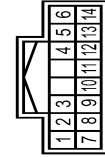
14	P	-
16	BG	-

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



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

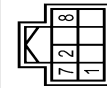
Connector No.	M33
Connector Name	COMBINATION SWITCH
Connector Type	TH16FTV-NH



Terminal No.	1	2	3	4	5	6	7	8	9	10
Color	P	SB	BG	G	L	B	V	BG	Y	R
Wire	-	-	-	-	-	-	-	-	-	-
Signal Name [Specification]	FR WASHER (-)	OUTPUT 4	FR WASHER (+)	IGN	OUTPUT 3	GROUND	INPUT 3	OUTPUT 5	INPUT 2	INPUT 4

11	LG	INPUT 1
12	P	OUTPUT 1
13	BR	INPUT 5
14	GR	OUTPUT 2

Connector No.	M37
Connector Name	STEERING ANGLE SENSOR
Connector Type	TH08FW-NH



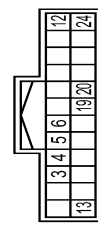
Terminal No.	1	2	7	8
Color	L	P	B	GR
Wire	-	-	-	-
Signal Name [Specification]	CAN-H	CAN-L	GROUND	IGN

Connector No.	M45
Connector Name	LANE DEPARTURE WARNING BUZZER
Connector Type	NS04FBRCS



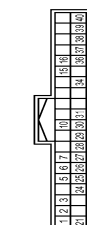
Terminal No.	1	2	3
Color	Y	R	B
Wire	-	-	-
Signal Name [Specification]	-	-	-

Connector No.	M47
Connector Name	SONAR CONTROL UNIT
Connector Type	TH24FW-NH



Terminal No.	3	4	5	6	8	12	13	19	20	24
Color	W	R	W	R	R	B	R	L	P	B
Wire	-	-	-	-	-	-	-	-	-	-
Signal Name [Specification]	CORNER SENSOR FRONT LH	CORNER SENSOR FRONT RH	CORNER SENSOR REAR LH	CORNER SENSOR REAR RH	SENSOR GND	IGN	CAN-H	CAN-L	GROUND	GROUND

Connector No.	M53
Connector Name	COMBINATION METER
Connector Type	TH40FW-NH



Terminal No.	1	2	3	5	6	7	10	15	16	21	24
Color	BG	LG	GR	B	W	P	G	B	B	R	BR
Wire	-	-	-	-	-	-	-	-	-	-	-
Signal Name [Specification]	BATTERY POWER SUPPLY	COMMUNICATION SIGNAL (METER->AMP.)	COMMUNICATION SIGNAL (AMP->METER)	GROUND	ALTERNATOR SIGNAL	AIR BAG SIGNAL	SECURITY INDICATOR SIGNAL	METER CONTROL SWITCH GROUND	IGNITION SWITCH GROUND	IGNITION SIGNAL	COMMUNICATION SIGNAL (LCD->AMP.)

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY

Terminal No.	Color Of Wire	Signal Name [Specification]
25	Y	COMMUNICATION SIGNAL (AMP -> LCD)
26	R	VEHICLE SPEED SIGNAL (6-PULSE)
27	V	PARKING BRAKE SWITCH SIGNAL
28	W	BRAKE FLUID LEVEL SWITCH SIGNAL
29	SB	SEAT BELT BUCKLE SWITCH SIGNAL (DRIVER SIDE)
30	G	PASSENGER SEAT BELT WARNING SIGNAL
31	L	WASHER LEVEL SWITCH SIGNAL
34	B	ILLUMINATION CONTROL SWITCH SIGNAL
36	LG	SELECT SWITCH SIGNAL
37	SB	ENTER SWITCH SIGNAL
38	L	TRIP AIR RESET SWITCH SIGNAL
39	P	ILLUMINATION CONTROL SWITCH SIGNAL (+)
40	BG	ILLUMINATION CONTROL SWITCH SIGNAL (+)

Connector No.	M57
Connector Name	IGNIZER
Connector Type	TH64FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	IGN
2	R	ION MODE
3	BR	GROUND
4	L	ION ON/OFF

Connector No.	M64
Connector Name	CLIMATE CONTROLLED SEAT RELAY
Connector Type	M06FER-R-LC



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

Connector No.	M67
Connector Name	UNIFIED METER AND A/C AMP.
Connector Type	TH62FW-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	V	GAS SENSOR SIGNAL
53	G	IGNITION POWER SUPPLY
54	BG	BATTERY POWER SUPPLY
55	B	GROUND
56	L	CAN-H
57	W	BRAKE FLUID LEVEL SWITCH SIGNAL
58	B	FUEL LEVEL SENSOR GROUND
59	GR	INTAKE SENSOR GROUND
60	L	IN-VEHICLE SENSOR GROUND
61	BR	AMBIENT SENSOR GROUND
62	SB	SUNLOAD SENSOR GROUND
63	R	ION MODE SIGNAL
65	BG	ECV SIGNAL
69	L	A/C LAMP SIGNAL
70	R	EACH DOOR MOTOR POWER SUPPLY
71	B	GROUND
72	P	CAN-L

Connector No.	M69
Connector Name	BACK-UP LAMP RELAY
Connector Type	MS02FL-M2-LC



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

Connector No.	M66
Connector Name	LOW TIRE PRESSURE WARNING CONTROL UNIT
Connector Type	TH62FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	P	CAN- (L)
2	L	CAN+ (H)
3	BG	RR TUNER (SIG)
4	L	RL TUNER (SIG)
5	R	FR TUNER (SIG)
6	P	FL TUNER (SIG)
7	SB	RR TUNER (VCC)
8	R	RL TUNER (VCC)
9	GR	FR TUNER (VCC)
10	G	FL TUNER (VCC)
15	Y	IGN
19	W	RR TUNER (RSSI)
20	BR	RL TUNER (RSSI)
21	LG	FR TUNER (RSSI)
22	V	FL TUNER (RSSI)
23	B	RR TUNER (GND)

24	Y	RL TUNER (GND)
25	W	FR TUNER (GND)
26	P	FL TUNER (GND)
30	LG	BCM FLASHER
32	B	GROUND

Connector No.	M105
Connector Name	AWD CONTROL UNIT
Connector Type	TH16FW-NH



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

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



POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY

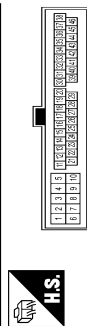
Terminal No.	Color Of Wire	Signal Name [Specification]
1	LG	EPS SOL+
3	G	IGN
5	B	EPS SOL-
6	B	GROUND
8	L	VEHICLE SPEED (2P)
10	R	ENG TACHO

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



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

Connector No.	M116
Connector Name	WIRE TO WIRE
Connector Type	TK36MW-NS10



Terminal No.	Color Of Wire	Signal Name [Specification]
2	W	-
3	L	-
4	B	- [With VK engine]
5	B	- [With VK engine]
7	B	- [With VK engine]

Terminal No.	Color Of Wire	Signal Name [Specification]
9	L	- [With VK engine]
9	R	- [With VK engine]
10	R	-
19	BG	-
20	Y	-
27	L	-
28	B	-
29	LG	-
31	W	-
34	LG	-
35	BR	-
36	W	-
37	Y	-
38	BG	-
43	P	-
44	L	-
45	G	-
46	Y	-

Connector No.	M117
Connector Name	WIRE TO WIRE
Connector Type	TH60MW-CS16-TM4



Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	-
2	BR	-
3	V	-
4	SB	-
6	Y	-
7	B	-
8	W	-
10	W	-
11	SHIELD	-
20	R	-
21	G	-
22	GR	-
23	V	-
24	W	-
25	R	-
26	P	-

Terminal No.	Color Of Wire	Signal Name [Specification]
27	L	-
28	SHIELD	-
31	W	-
32	W	-
33	SB	-
36	L	-
37	P	-
38	L	-
39	P	-
40	V	-
41	SB	- [With ICC]
42	V	- [With ICC]
43	W	- [With ICC]
44	B	- [With ICC]
45	P	- [With ICC]
46	R	- [With ICC]

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY

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



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

Terminal No.	Color Of Wire	Signal Name [Specification]
4	P	INT ROOM LAMP PWR SUPPLY (BAT SAME)
5	V	PASSENGER DOOR UNLOCK OUTPUT
7	Y	STEP LAMP 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
15	Y	ACC IND
17	W	TURN SIGNAL RH (FRONT)
18	BG	TURN SIGNAL LH (FRONT)
19	SB	ROOM LAMP TIMER

Connector No.	M121
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FGY-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

Terminal No.	Color Of Wire	Signal Name [Specification]
34	SB	LUGGAGE ROOM ANT-
35	V	LUGGAGE ROOM ANT+
38	B	BACK DOOR ANT-
39	W	BACK DOOR ANT+
47	Y	IGN RELAY (PDM E/R) CONT
52	LG	STARTER RELAY CONT
60	SB	ENG START SW
61	W	TRUNK REQUEST SW

64	L	I-KEY WARN BUZZER (ENG ROOM)
65	BG	REAR WIPER STOP POSITION
66	LG	BACK DOOR SW
67	P	BACK DOOR OPENER SW
68	BR	REAR RH DOOR SW
69	R	REAR LH DOOR SW

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

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 ANT1-
79	BR	ROOM ANT1+
80	GR	NATS ANT AMP
81	W	NATS ANT AMP
82	P	IGN RELAY (FBI) CONT
83	GR	KEYLESS ENTRY RECEIVER SIGNAL
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
93	V	ON IND
95	BG	ACC RELAY CONT
96	GR	AT 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	BR	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.	M123
Connector Name	BCM (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	21	22	23	24

Terminal No.	Color Of Wire	Signal Name [Specification]
112	GR	RAIN SENSOR SERIAL LINK
113	P	OPTICAL SENSOR
116	BR	STOP LAMP SW 1
118	B	STOP LAMP SW 2
119	SB	DR DOOR UNLOCK SENSOR
121	BR	KEY SLOT SW
123	W	IGN F/B
124	LG	PASSENGER DOOR SW
132	BG	POWER WINDOW SW COMM
134	GR	LOCK IND
137	B	RECEIVER/SENSOR GND
138	Y	SENSOR POWER SUPPLY
140	R	SHIFT NP
141	G	SECURITY INDICATOR OUTPUT
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	GR	DRIVER DOOR SW
151	G	REAR WINDOW DEFROGGER RELAY CONT

Connector No.	M124
Connector Name	WIPE TO WIRE
Connector Type	TH40MW-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

Terminal No.	Color Of Wire	Signal Name [Specification]
3	Y	-
4	LG	-
6	SB	-
8	BR	-
7	G	-
8	V	-
9	LG	-
13	B	-
14	BG	-
15	W	-
19	G	-
20	LG	-
22	W	-
23	B	-
24	SHIELD	-
25	G	-
26	R	-
31	BG	-
32	Y	-
33	LG	-
34	SB	-
35	V	-
36	BG	-
37	GR	-
38	G	- [Without automatic drive positioner]
39	R	- [With automatic drive positioner]
40	B	-
41	P	-
42	LG	-
43	L	-
44	V	-
45	R	-
46	W	-
47	Y	-
48	BR	-

POWER SUPPLY ROUTING CIRCUIT

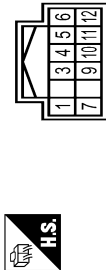
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY

49	SHIELD	-
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Connector No.	M125
Connector Name	CAN GATEWAY
Connector Type	TH12FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	CANH
2	GR	BATTERY
3	L	CANH
4	L	CANH
5	B	GROUND
6	L	CANH
7	P	CANH
8	LG	IGNITION
9	P	CANH
10	P	CANH
11	B	GROUND
12	P	CANH

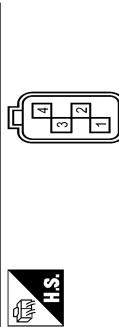
Connector No.	M123
Connector Name	TOTAL ILLUMINATION CONTROL UNIT
Connector Type	TH40FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
3	V	DDL2
4	L	TAIL LAMP SIGNAL
5	V	ACC SIGNAL
6	P	BAT SAVING SIGNAL
7	W	IGN SIGNAL
8	G	DOOR SW (AS)
9	BG	DOOR SW (RL)

10	SB	MOOD LAMP (FR ARMREST RH)
11	Y	MOOD LAMP (FR ARMREST RH)
12	P	MAP LAMP (AS)
13	G	PERSONAL LAMP (LH)
14	R	PERSONAL LAMP (RH)
16	GR	FOOT LAMP (RH)
17	LG	HSPL ILLUMINATIONS
18	L	MAP LAMP (DR)
19	R	PUSH ENG START SW LED
20	Y	AMBIENCE LAMP
21	R	BAT POWER SUPPLY
23	B	GROUND
24	B	ILL CONT INPUT
25	BR	DOOR SW (RR)
26	BR	MAP LAMP SW (DOOR)
27	R	MAP LAMP SW (ALL ON)
28	SB	ROOM LAMP TIMER
29	GR	DOOR SW (DR)
30	LG	MOOD LAMP (FR ARMREST LH)
31	BG	MOOD LAMP (FR ARMREST LH)
33	W	HSPL POWER SUPPLY 3
34	R	HSPL POWER SUPPLY 2
35	V	HSPL POWER SUPPLY 1
36	L	FOOT LAMP (LH)
39	B	PUDDLE LAMP (RH)
40	BG	PUDDLE LAMP (LH)

Connector No.	M143
Connector Name	YAW RATE / SIDE G SENSOR
Connector Type	AA204FB-S



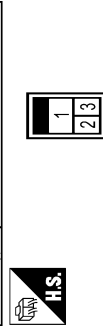
Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
2	Y	-
3	SB	-
4	G	-

Connector No.	M151
Connector Name	WIRE TO WIRE
Connector Type	M03FW-LC



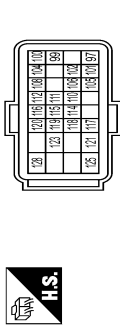
Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	Y	-
3	R	-

Connector No.	M152
Connector Name	WIRE TO WIRE
Connector Type	M03MW-LC



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

Connector No.	M160
Connector Name	ECM
Connector Type	RH24FY-R26-R-LH-Z



Terminal No.	Color Of Wire	Signal Name [Specification]
97	R	ENGINE SPEED SIGNAL OUTPUT
99	G	SENSOR POWER SUPPLY
100	L	SENSOR POWER SUPPLY
101	P	CAN COMMUNICATION LINE
102	SB	ASCD/CC STEERING SWITCH
104	R	ACCELERATOR PEDAL POSITION SENSOR 1
105	L	CAN COMMUNICATION LINE
108	P	IGNITION SWITCH
110	P	STOP LAMP SWITCH
111	V	SENSOR GROUND
112	LG	FUEL PUMP CONTROL MODULE (PCM) CHECK
114	GR	DATA LINK CONNECTOR
115	GR	SENSOR GROUND
116	G	TRANSMISSION RANGE SWITCH
117	BR	ASCD/CC BRAKE SWITCH
119	W	SENSOR GROUND
120	W	FUEL TANK TEMPERATURE SENSOR
121	GR	POWER SUPPLY FOR ECM
123	B	ECM GROUND
125	R	FUEL PUMP CONTROL MODULE (PCM)
128	B	ECM GROUND

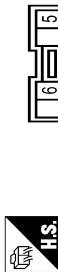
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY

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



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

Connector No.	Connector Name	Connector Type
M173	HEATED SEAT SWITCH (PASSENGER SIDE)	TK08FBR



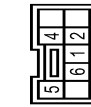
Terminal No.	Color	Wire	Signal Name [Specification]
1	GR	B	-
2	BR	R	-
3	R	R	-
4	R	R	-
5	Y	-	-
6	B	-	-

Connector No.	Connector Name	Connector Type
M174	HEATED SEAT RELAY	M06FBR-R-LC



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

Connector No.	Connector Name	Connector Type
M176	SNOW MODE SWITCH	TK08FW-L



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

Connector No.	Connector Name	Connector Type
M204	AV CONTROL UNIT	TH32FM-AH



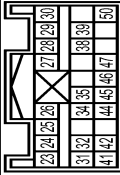
Terminal No.	Color	Wire	Signal Name [Specification]
76	LG	-	AV COMM (L)
77	SB	-	AV COMM (H)
78	LG	-	AV COMM (L)
79	SB	-	AV COMM (H)
80	P	-	CAN-L
81	L	-	CAN-H
82	BR	-	SW GND
86	SHIELD	-	SHIELD
87	L	-	TEL VOICE SIGNAL (+)
88	P	-	TEL VOICE SIGNAL (-)
92	R	-	VEHICLE SPEED SIGNAL (8-PULSE)
93	V	-	PARKING BRAKE SIGNAL
94	BG	-	REVERSE SIGNAL
95	G	-	IGNITION SIGNAL
96	SB	-	DISK EJECT SIGNAL
102	B	-	AUX GND
103	W	-	AUX AUDIO LH+
104	R	-	AUX AUDIO RH+

Connector No.	Connector Name	Connector Type
M210	AV CONTROL UNIT	TH32FM-AH



Terminal No.	Color	Wire	Signal Name [Specification]
65	V	-	PARKING BRAKE SIGNAL
67	B	-	COMPOSITE IMAGE SIGNAL
68	R	-	COMPOSITE IMAGE SIGNAL
71	SHIELD	-	MICROPHONE SHIELD
72	G	-	MICROPHONE VCC
73	R	-	COMM (CONT->DISP)
74	P	-	CAN-L
75	LG	-	AV COMM (L)
76	LG	-	AV COMM (L)
79	R	-	ILLUMINATION
80	G	-	IGNITION SIGNAL
81	BG	-	REVERSE SIGNAL
82	R	-	VEHICLE SPEED SIGNAL (8-PULSE)
87	R	-	MICROPHONE SIGNAL
88	B	-	SHIELD
89	G	-	COMM (DSP->CONT)
90	L	-	CAN-H
91	SB	-	AV COMM (H)
92	SB	-	AV COMM (H)

Connector No.	Connector Name	Connector Type
M224	AIR BAG DIAGNOSIS SENSOR UNIT	IN-28FY-EX



Terminal No.	Color	Wire	Signal Name [Specification]
23	Y	-	INFLATOR AS2+
24	Y	-	INFLATOR AS2-
25	Y	-	INFLATOR AS1-
26	Y	-	INFLATOR AS1+
27	B	-	GND
28	Y	-	INFLATOR DR2+
29	Y	-	INFLATOR DR1&DR2-
30	Y	-	INFLATOR DR+
31	V	-	ECZS
32	BR	-	SIDE SENS RH2-
34	G	-	SIDE SENS LH2-
35	P	-	A/B W/L
38	G	-	SEATBELT W/L

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

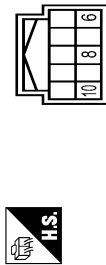
[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY

Terminal No.	Color Of Wire	Signal Name [Specification]
39	SHIELD	GND
41	SB	ECZS+
42	Y	SIDE SENS RH2+
44	R	SIDE SENS LH2+
45	P	CAN LO
46	L	CAN HI
47	P	A/B CUTOFF TELLTALE
50	LG	IGN

8	P	CAN-L
---	---	-------

Connector No.	R3
Connector Name	AUTO ANTI-DAZZLING INSIDE MIRROR
Connector Type	TH10FB-AH



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

Connector No.	R21
Connector Name	LANE CAMERA UNIT
Connector Type	TH10BFW-AH



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

JRMWF4603GB

POWER SUPPLY ROUTING CIRCUIT

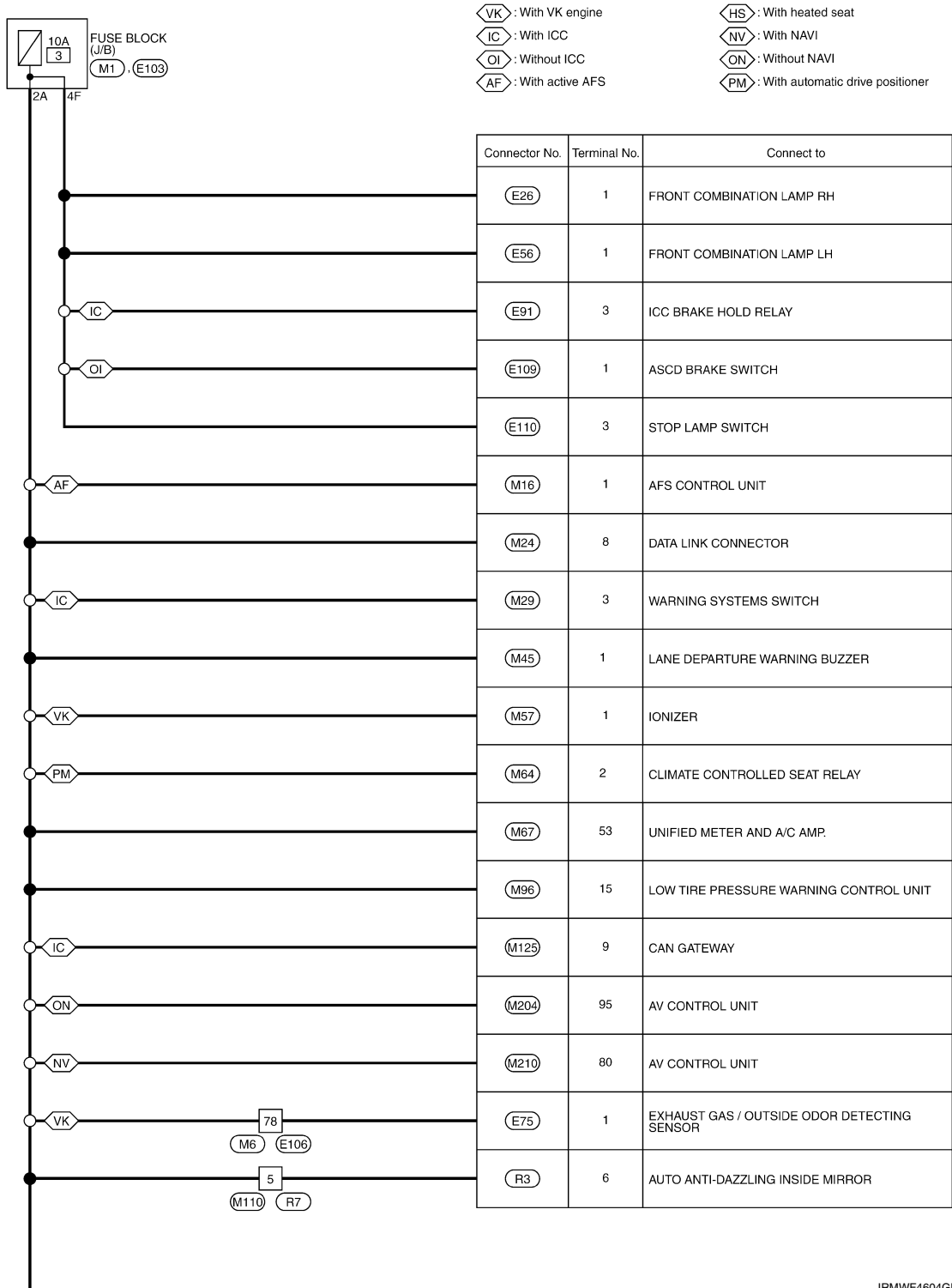
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[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 3 -

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IGNITION POWER SUPPLY FUSE No. 3



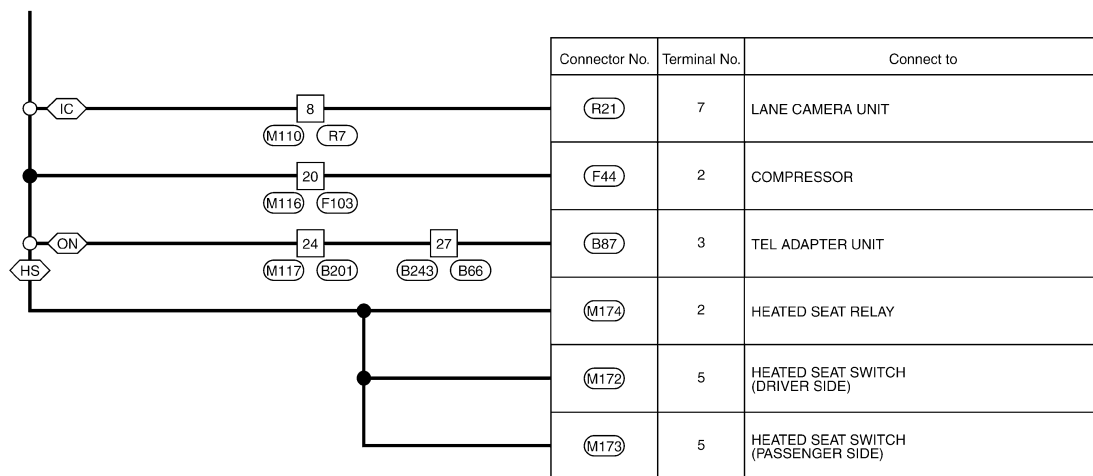
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A
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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]



2014/03/18

JRMWF4605GB

POWER SUPPLY ROUTING CIRCUIT

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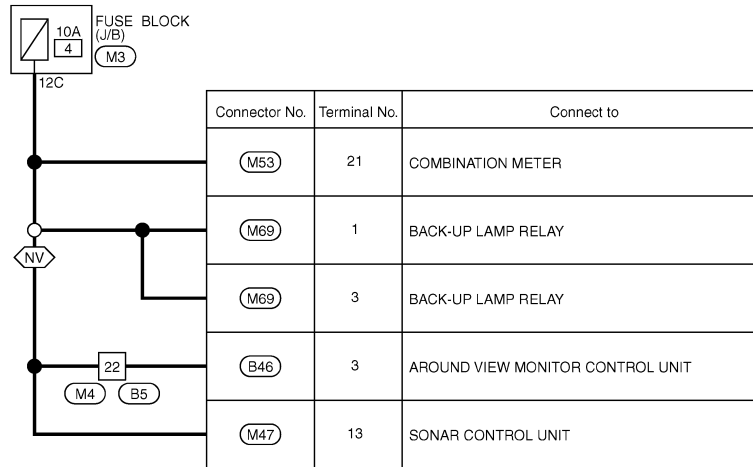
[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 4 -

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IGNITION POWER SUPPLY FUSE No. 4

 : With NAVI



2013/02/13

JRMWD8250GB

POWER SUPPLY ROUTING CIRCUIT

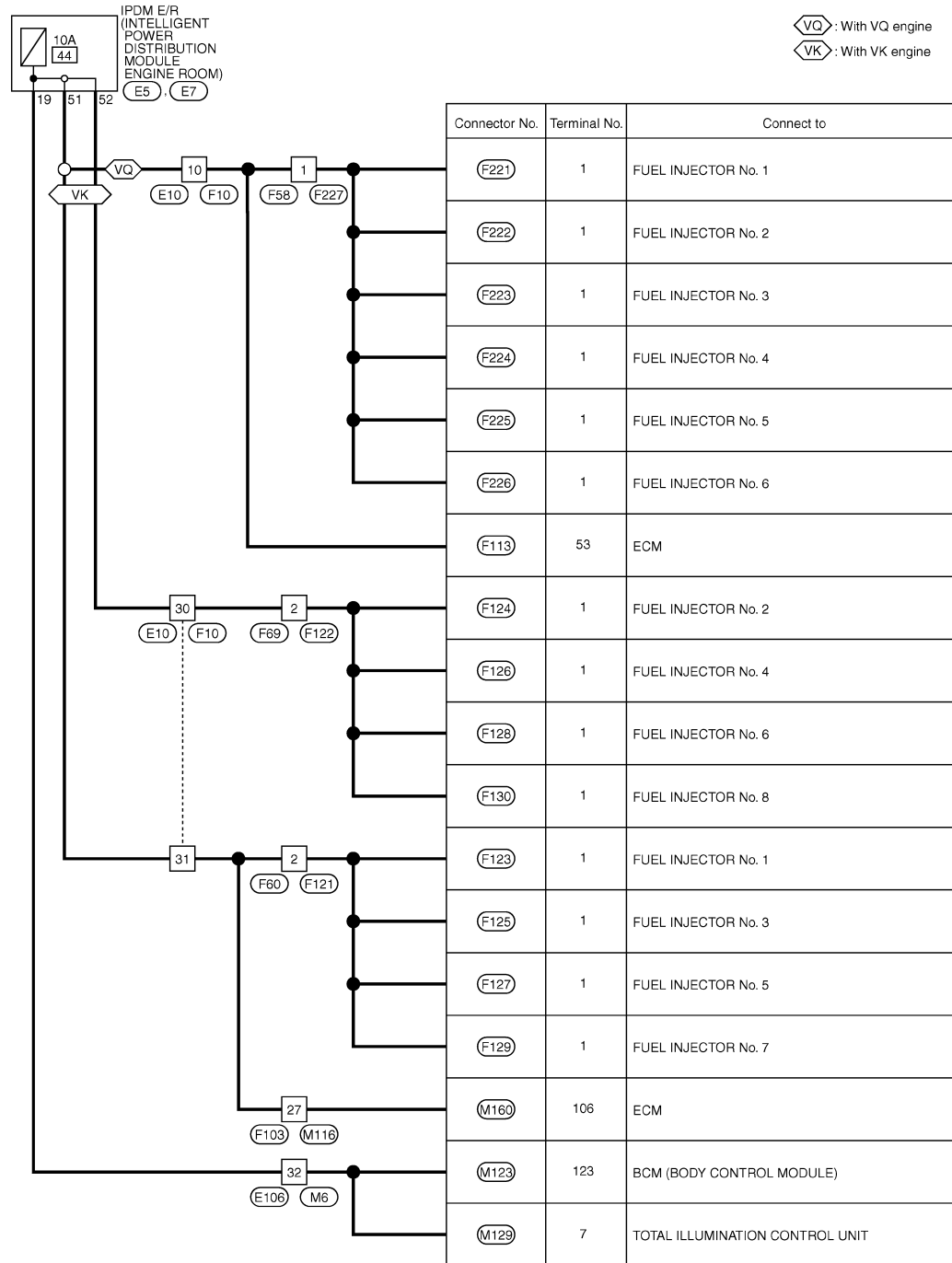
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[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 44 -

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IGNITION POWER SUPPLY FUSE No. 44



2012/06/05

JRMWD2633GB

POWER SUPPLY ROUTING CIRCUIT

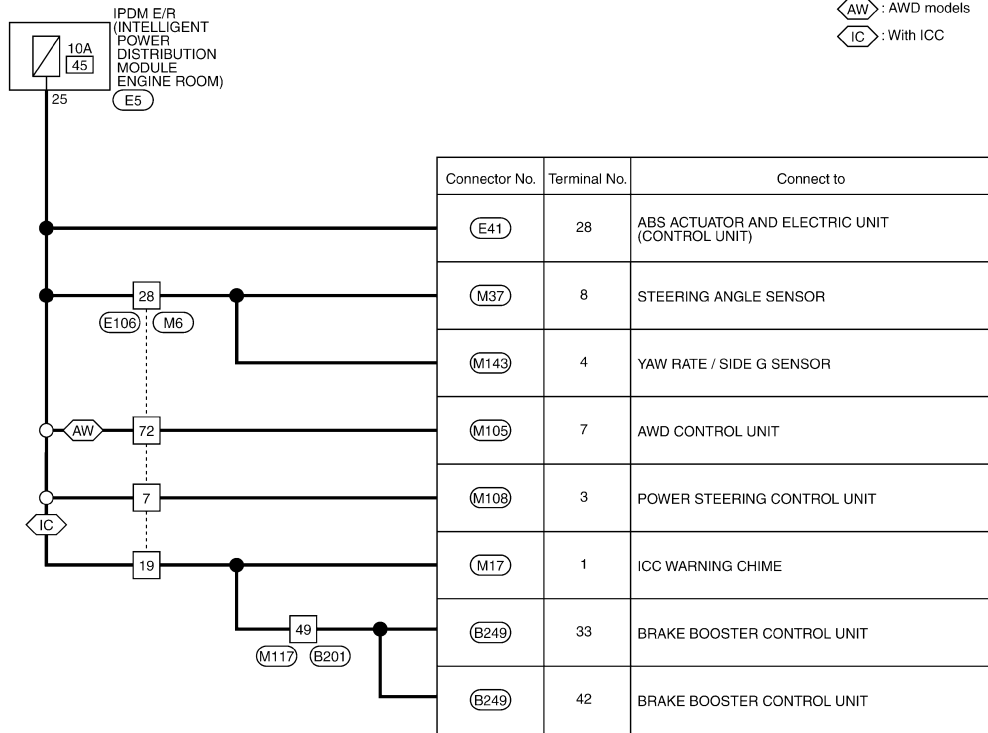
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[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 45 -

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IGNITION POWER SUPPLY FUSE No. 45



2014/03/18

JRMWF4606GB

POWER SUPPLY ROUTING CIRCUIT

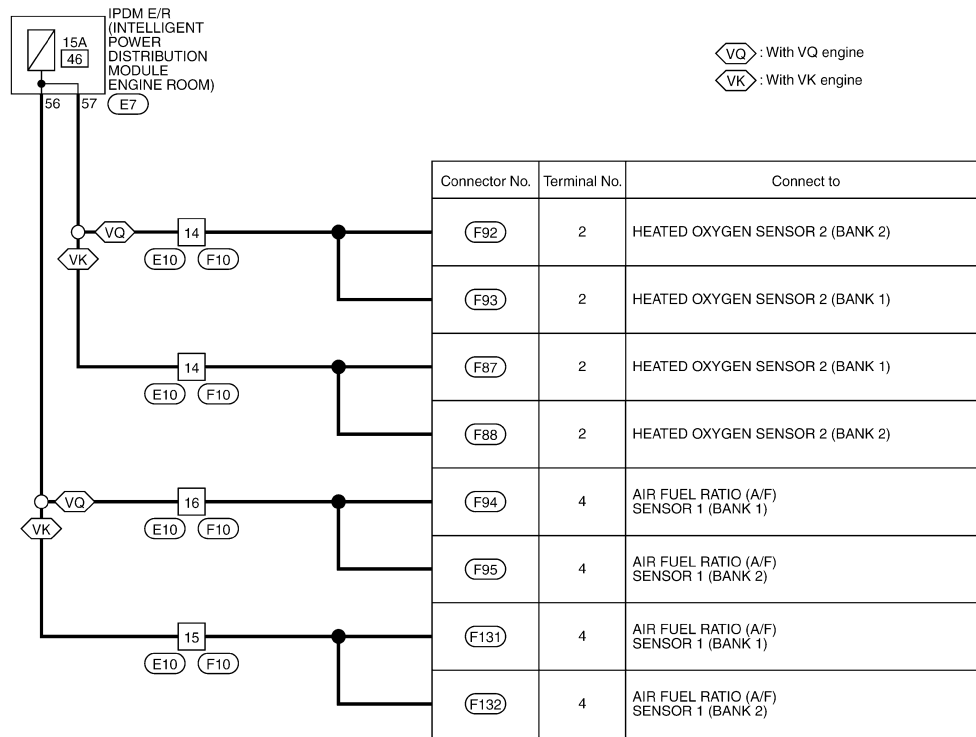
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[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 46 -

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IGNITION POWER SUPPLY FUSE No. 46



2014/03/18

JRMWF4607GB

POWER SUPPLY ROUTING CIRCUIT

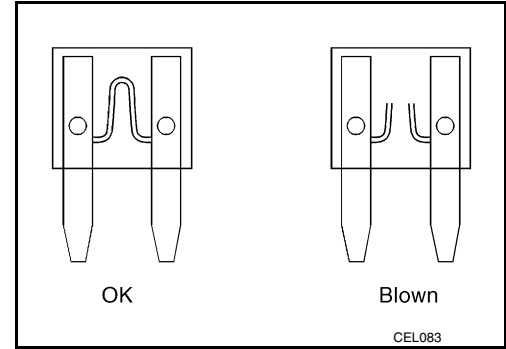
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[POWER SUPPLY & GROUND CIRCUIT]

Fuse

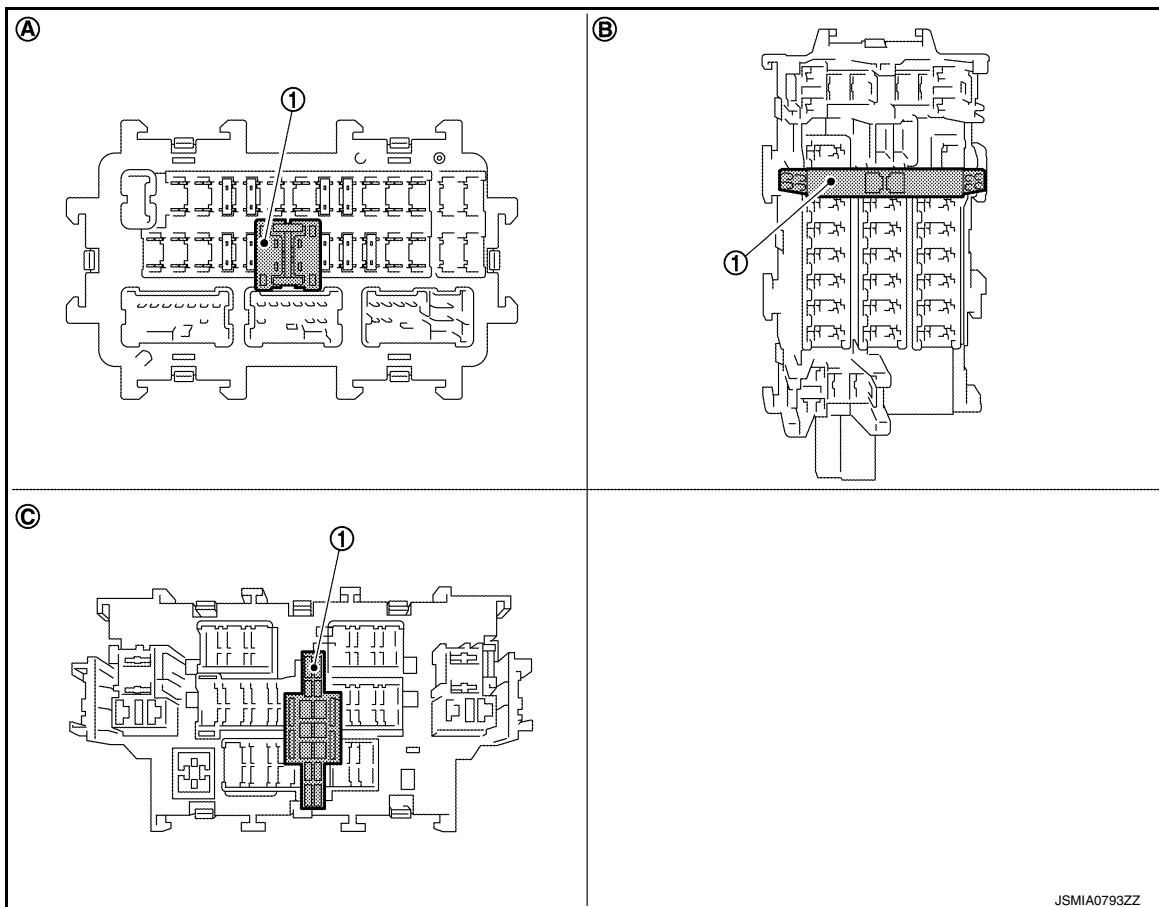
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- If fuse is blown, be sure to eliminate cause of malfunction before installing new fuse.
- Use fuse of specified rating. Never use fuse of more than specified rating.
- Do not partially install fuse; always insert it into fuse holder properly.
- Remove 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:

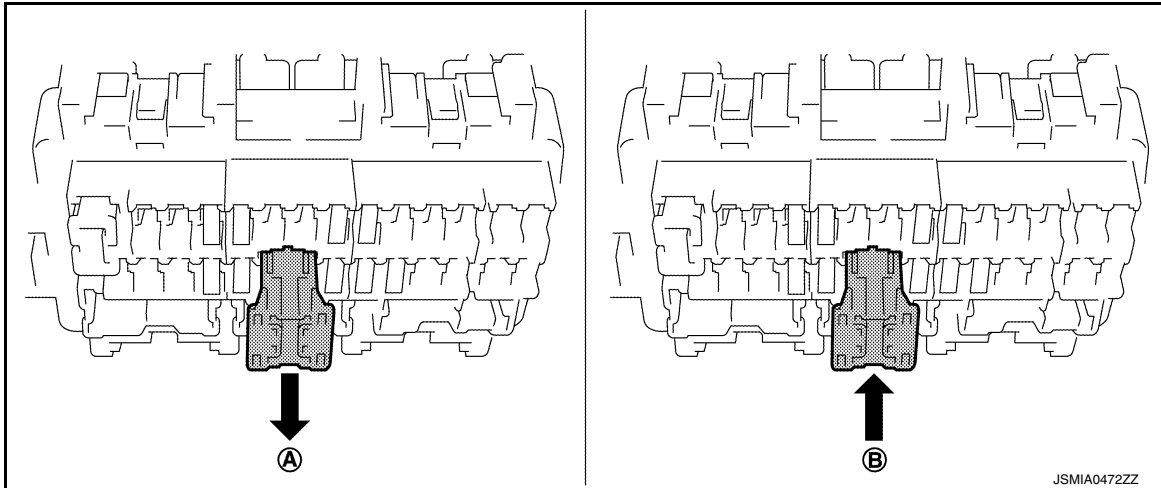
- Turn the ignition switch OFF when operating the extended storage fuse switch.
- Under normal conditions, keep the extended storage fuse switch in ON state. Never operate the extended storage fuse switch except when necessary.

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

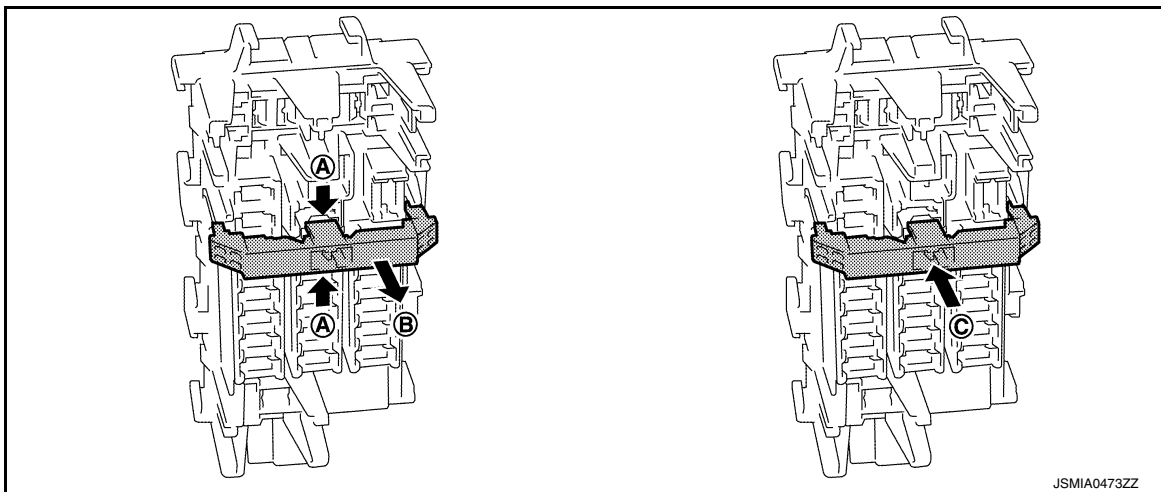
[POWER SUPPLY & GROUND CIRCUIT]

• Type A



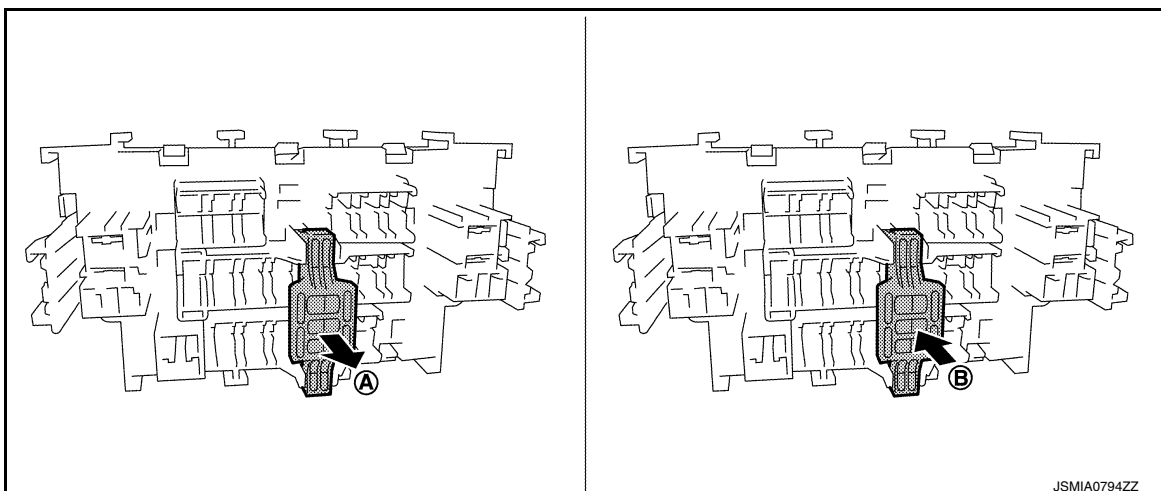
- To turn the extended storage fuse switch OFF, pull it up in (A) direction as shown in the figure.
- To turn the extended storage fuse switch ON, press it in (B) direction as shown in the figure.

• 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

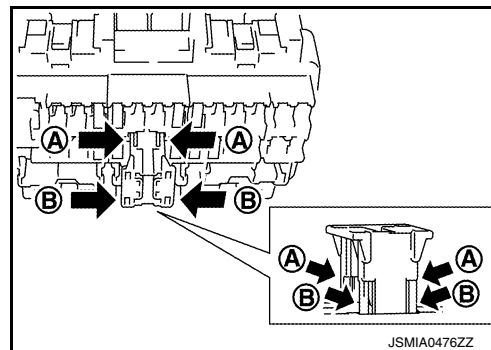
Type A

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.

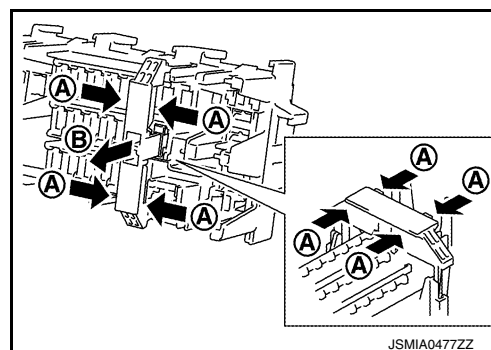


NOTE:

- 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.

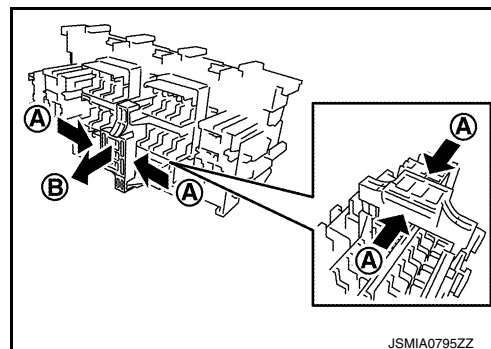


NOTE:

- 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 >

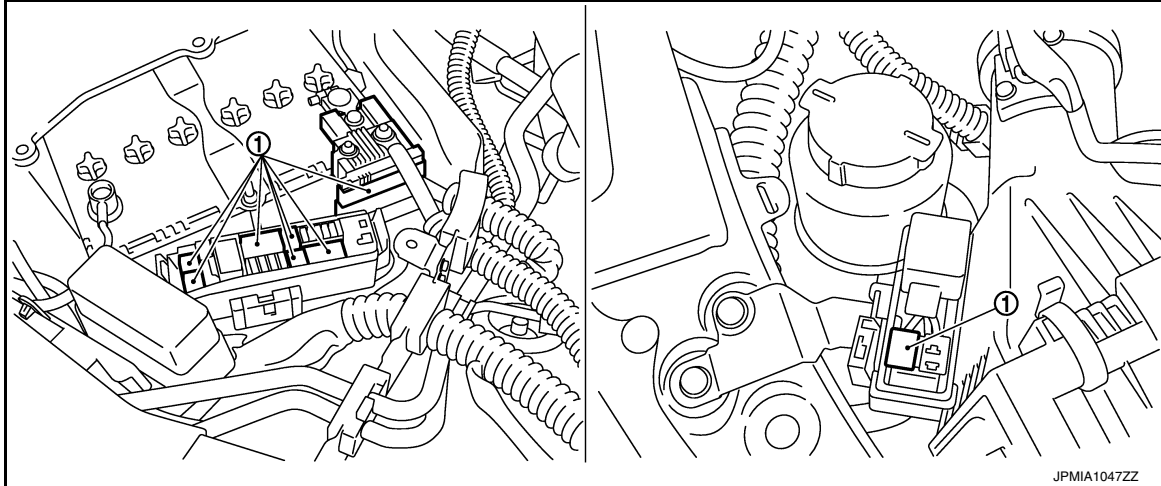
[POWER SUPPLY & GROUND CIRCUIT]

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

Fusible Link

INFOID:0000000010577245

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

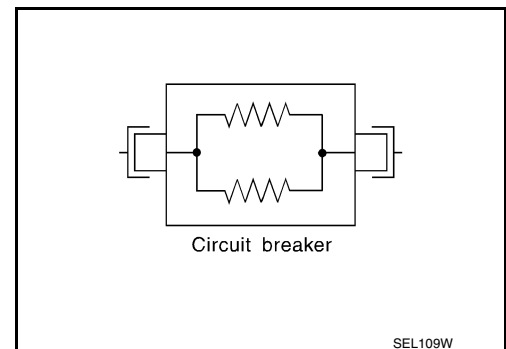
CAUTION:

- 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:0000000010577246

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]

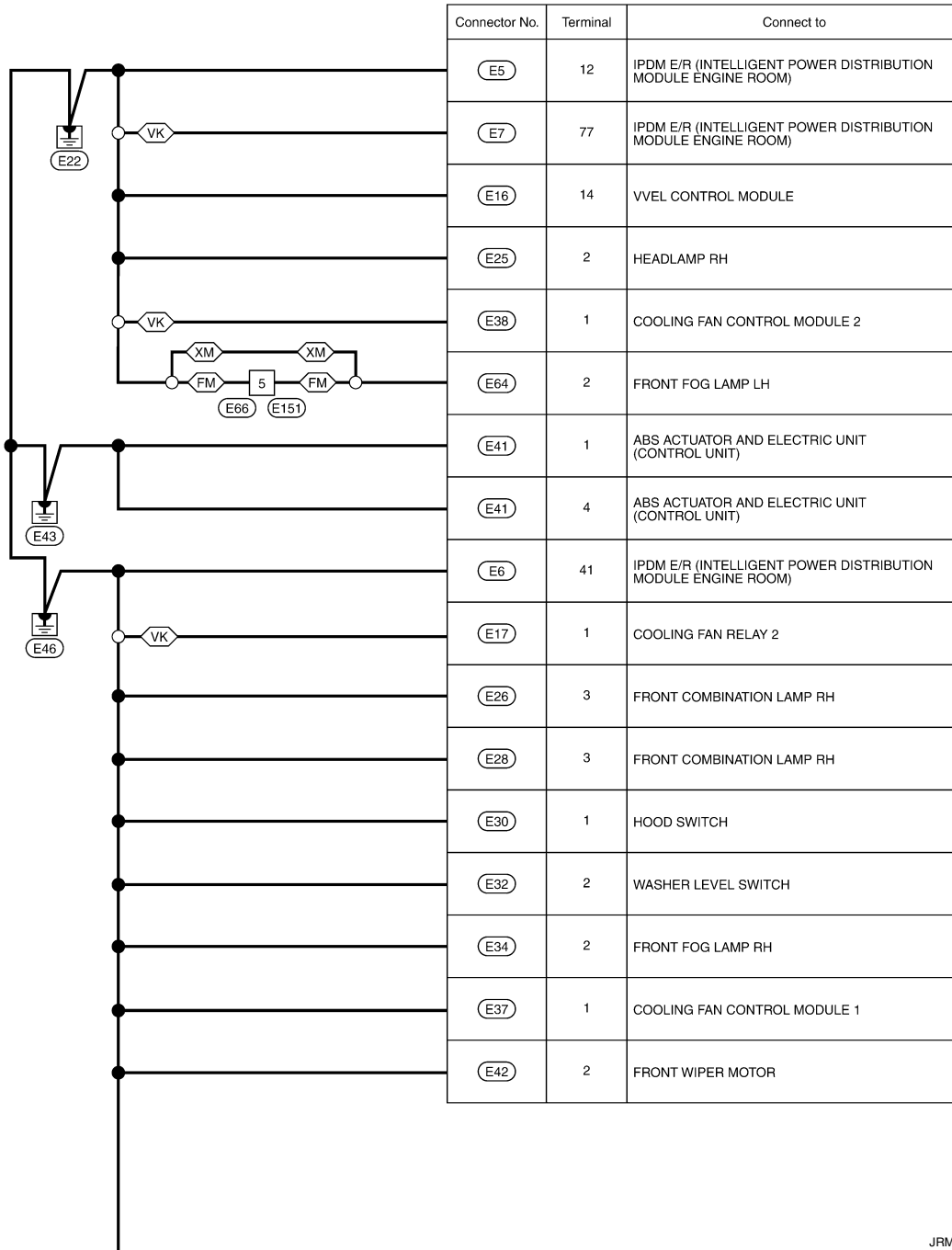
GROUND DISTRIBUTION

Engine Room Harness

ENGINE ROOM HARNESS

INFOID:000000012142541

<FM> : For Mexico
 <XM> : Except for Mexico
 <VK> : With VK engine
 <IC> : With ICC



JRMWH4567GB

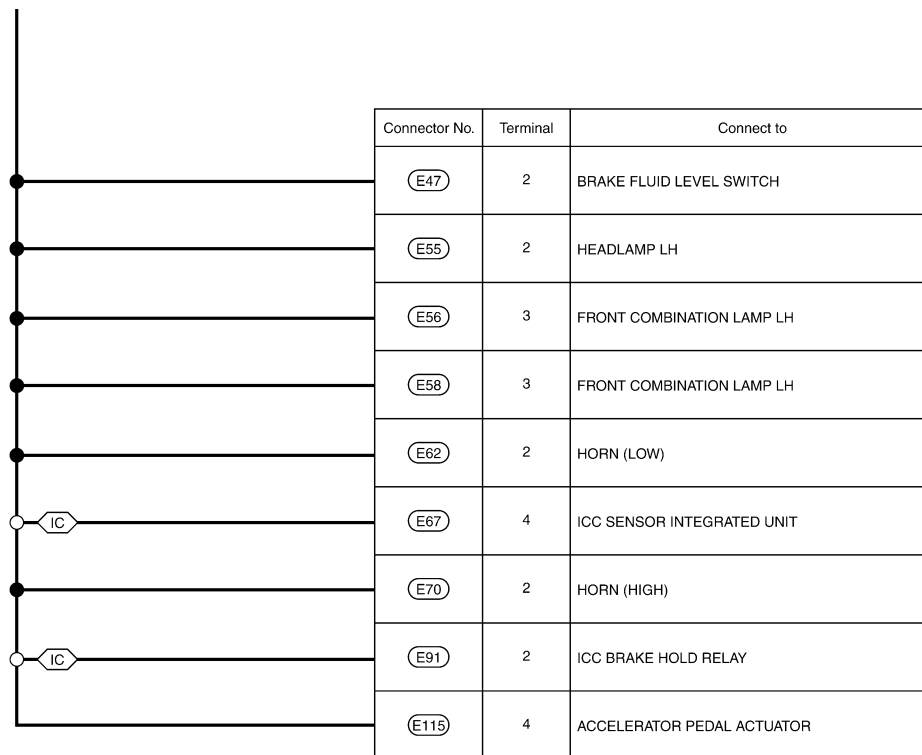
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GROUND DISTRIBUTION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]



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GROUND DISTRIBUTION

< DTC/CIRCUIT DIAGNOSIS >

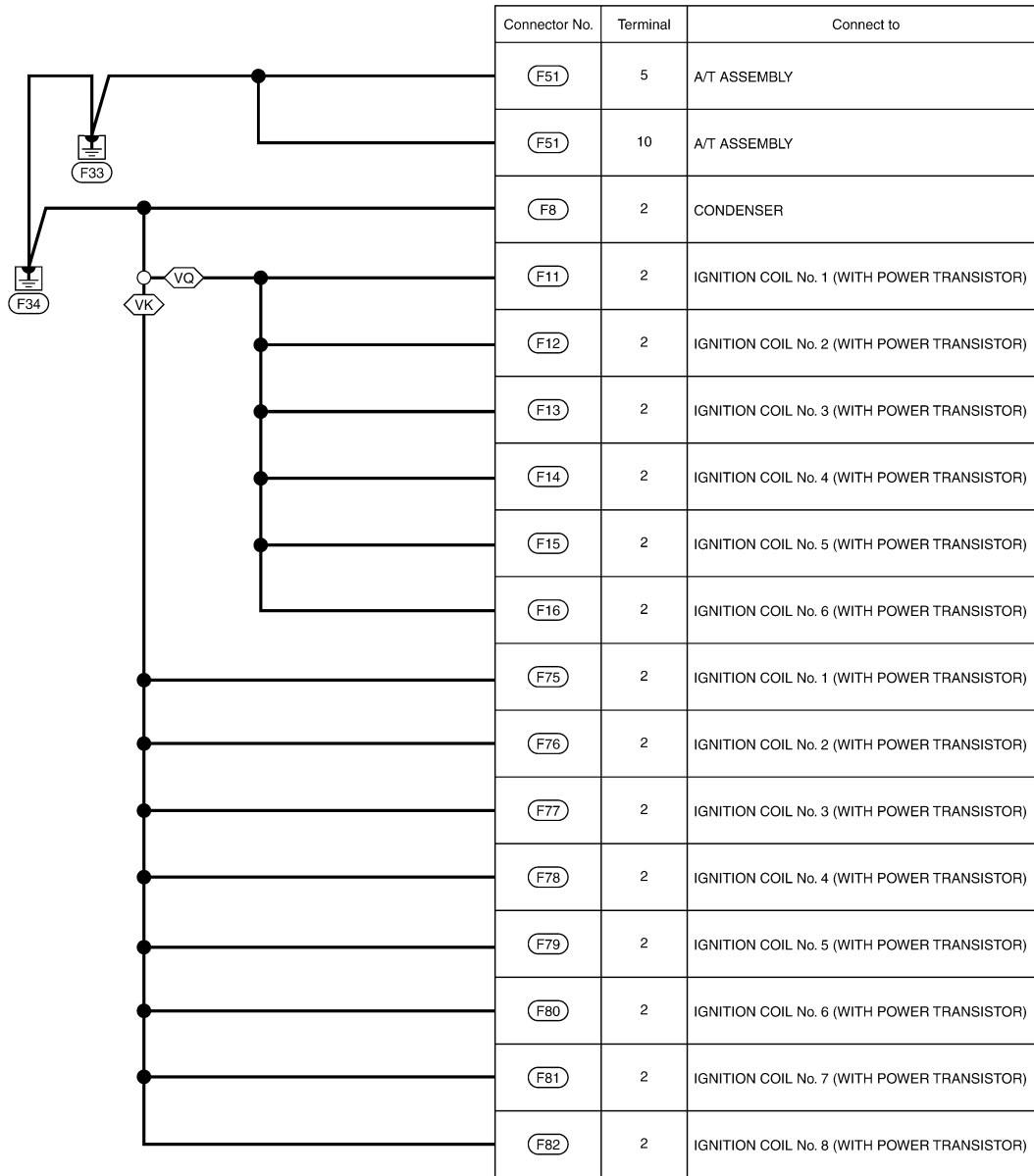
[POWER SUPPLY & GROUND CIRCUIT]

Engine Control Harness

INFOID:000000012142542

ENGINE CONTROL HARNESS

 : With VK engine
 : With VQ engine



2015/01/15

JRMWH4569GB

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GROUND DISTRIBUTION

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

Main Harness

INFOID:000000012142543

MAIN HARNESS

SS : With paddle shifter

RS : With rain sensor

PM : With automatic drive positioner

IC : With ICC

NV : With NAVI

ON : Without NAVI

VK : With VK engine

VQ : With VQ engine

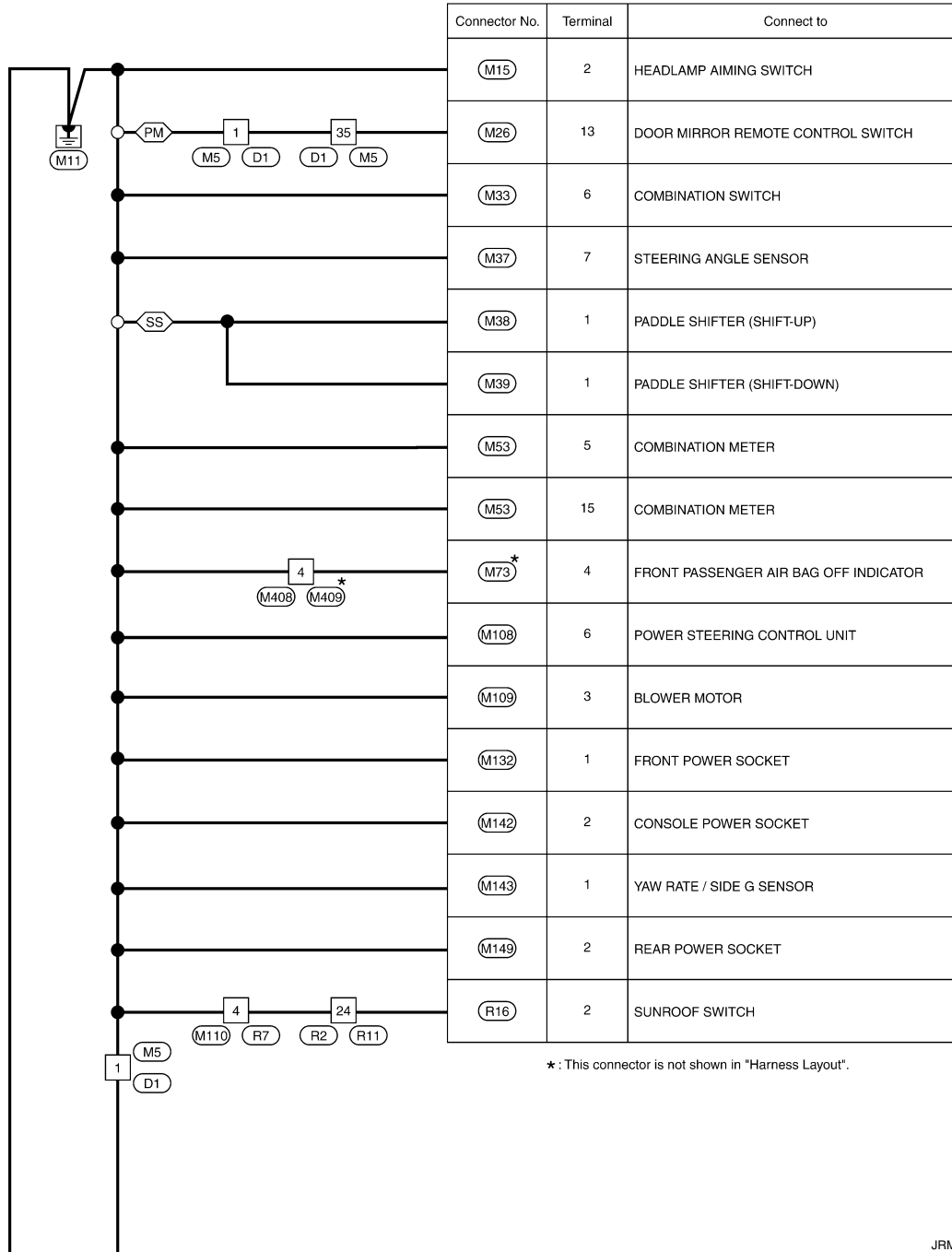
HS : With heated seat

OP : Without automatic drive positioner

AW : AWD models

AF : With active AFS

WS : With climate controlled seat

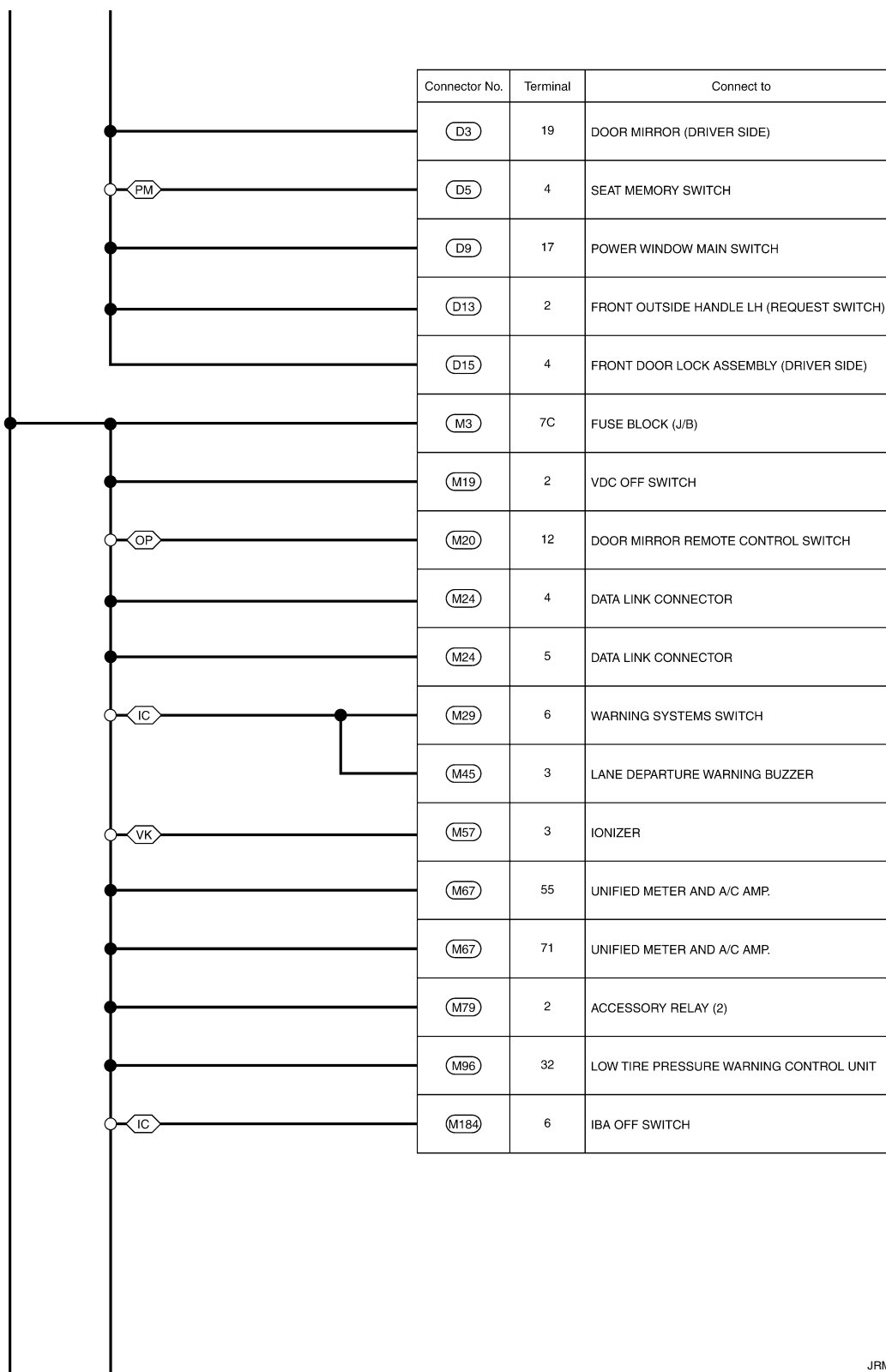


JRMWH4562GB

GROUND DISTRIBUTION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

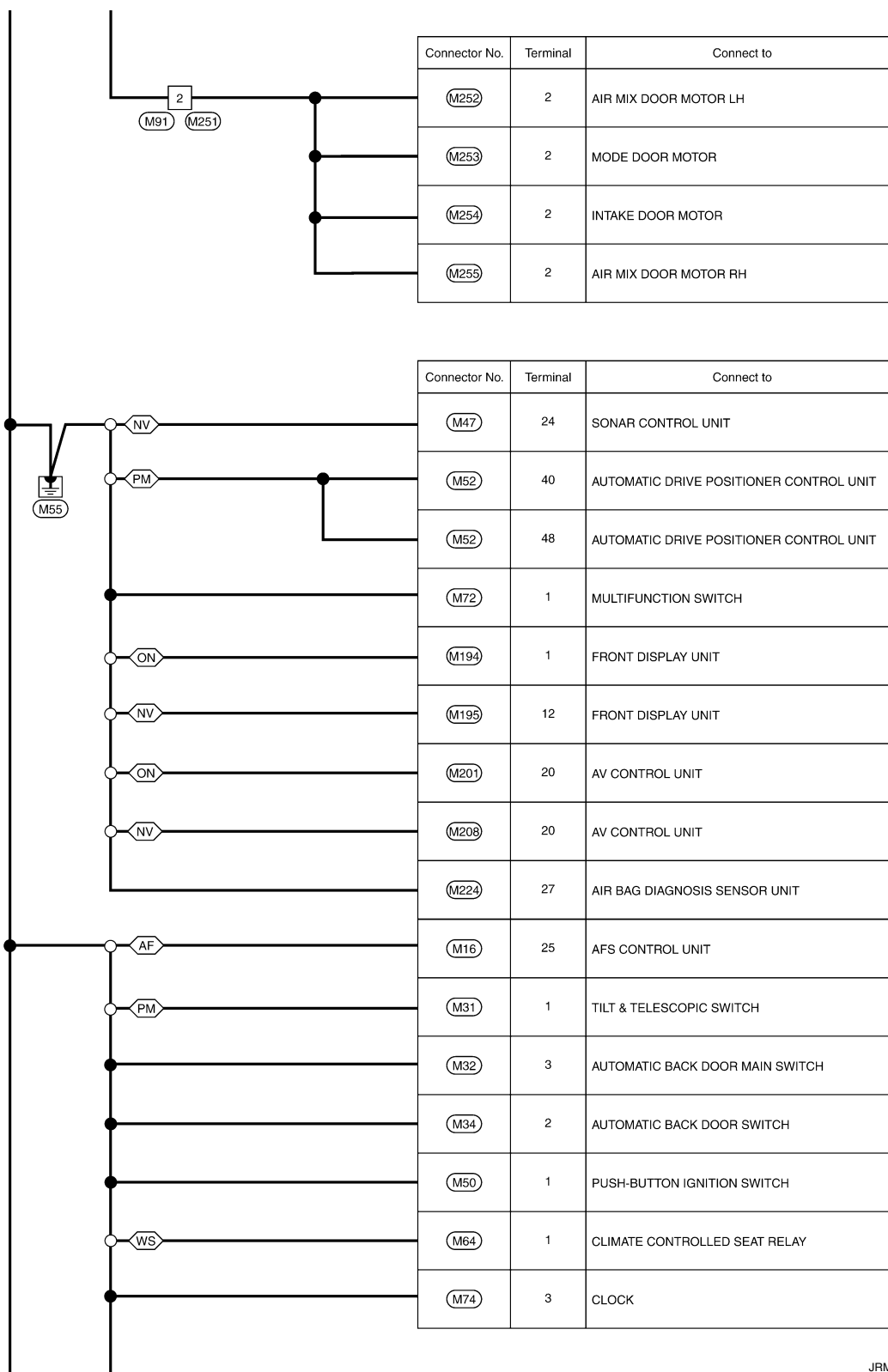


JRMWH4563GB

GROUND DISTRIBUTION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

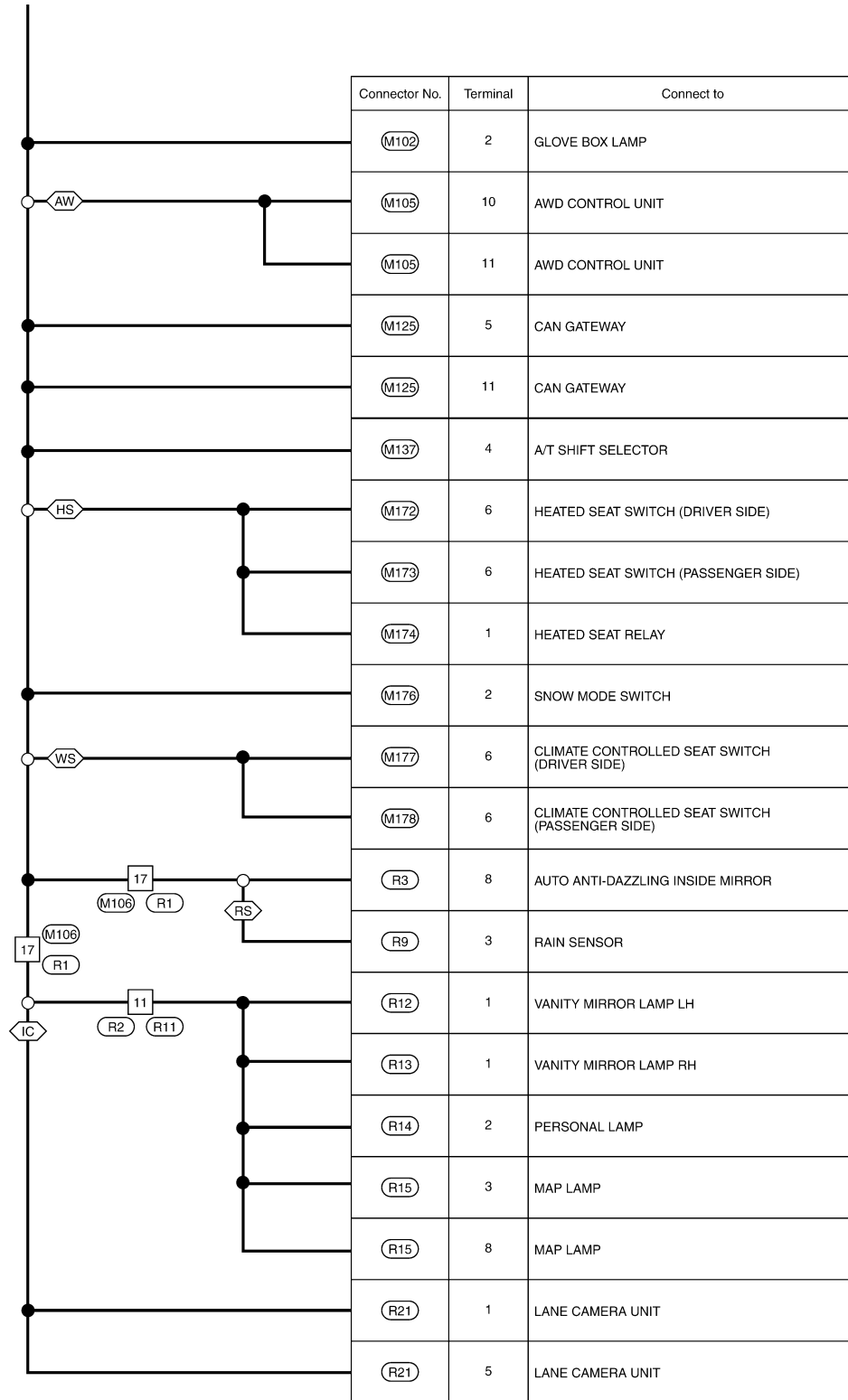


JRMWH4564GB

GROUND DISTRIBUTION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]



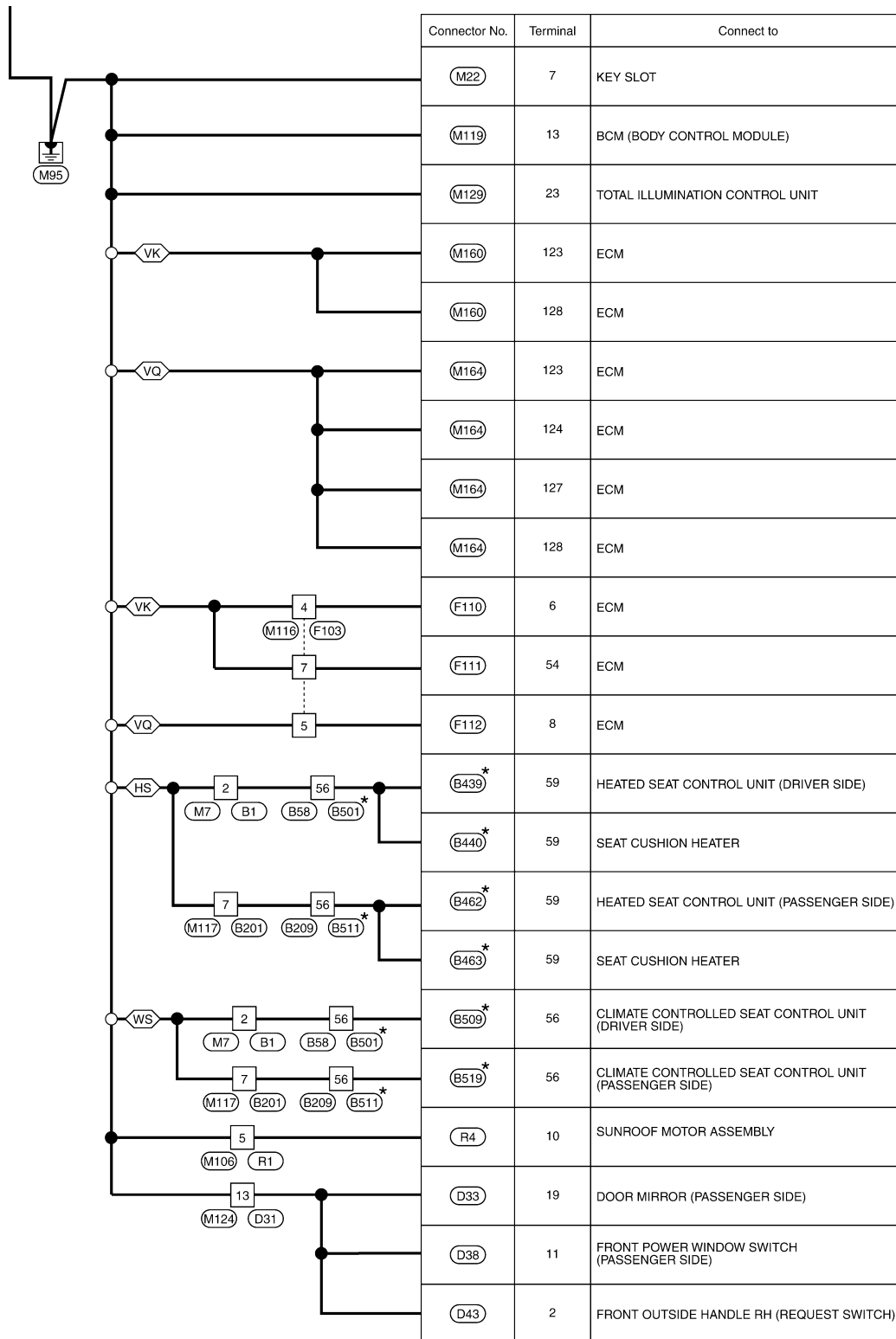
JRMWH4565GB

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GROUND DISTRIBUTION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]



2015/01/15

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

JRMWH4566GB

GROUND DISTRIBUTION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Body Harness

INFOID:000000012142544

BODY HARNESS

ON : Without NAVI

NV : With NAVI

OP : Without automatic drive positioner

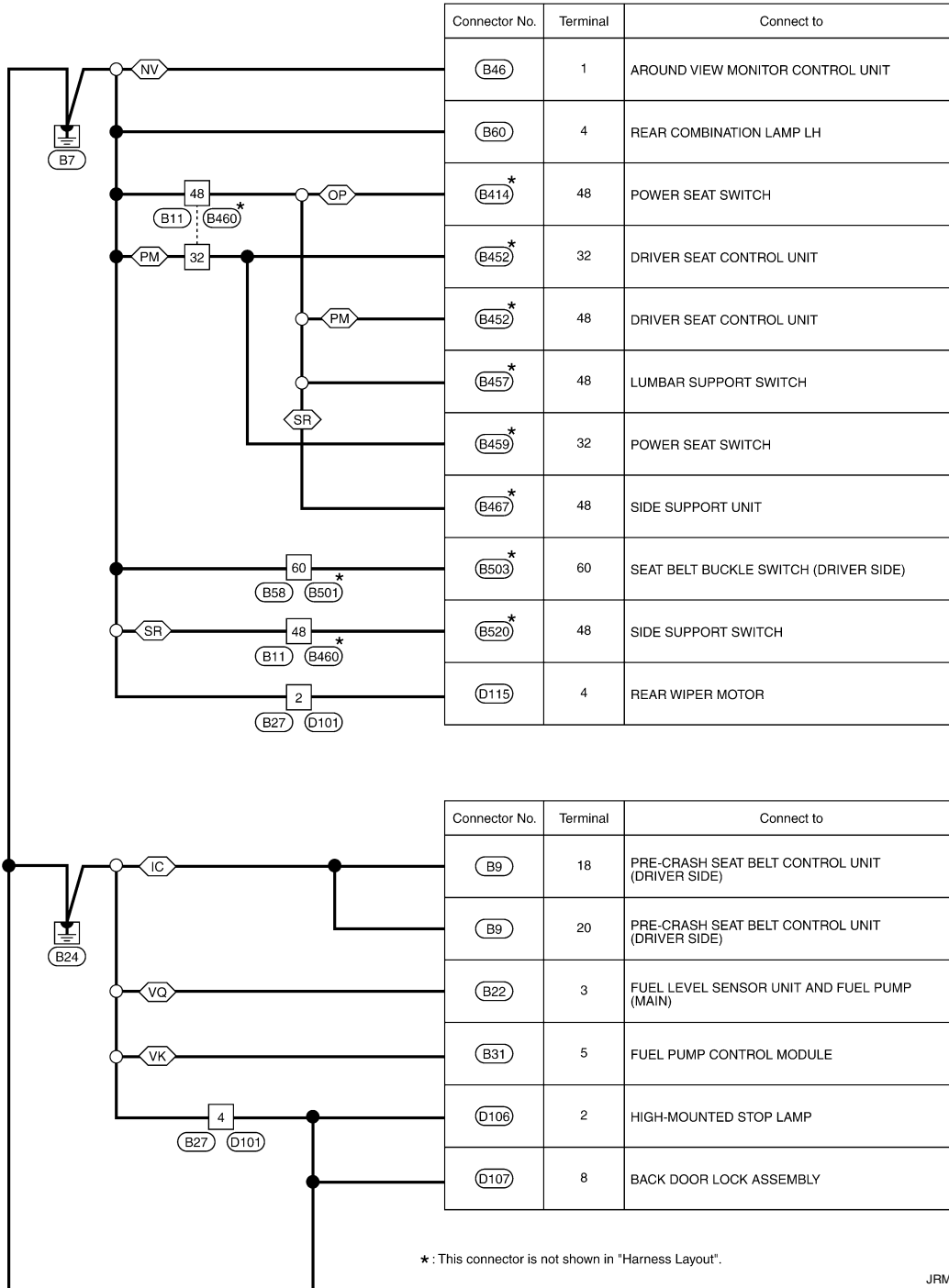
PM : With automatic drive positioner

IC : With ICC

VQ : With VQ engine

VK : With VK engine

SR : With sports seat



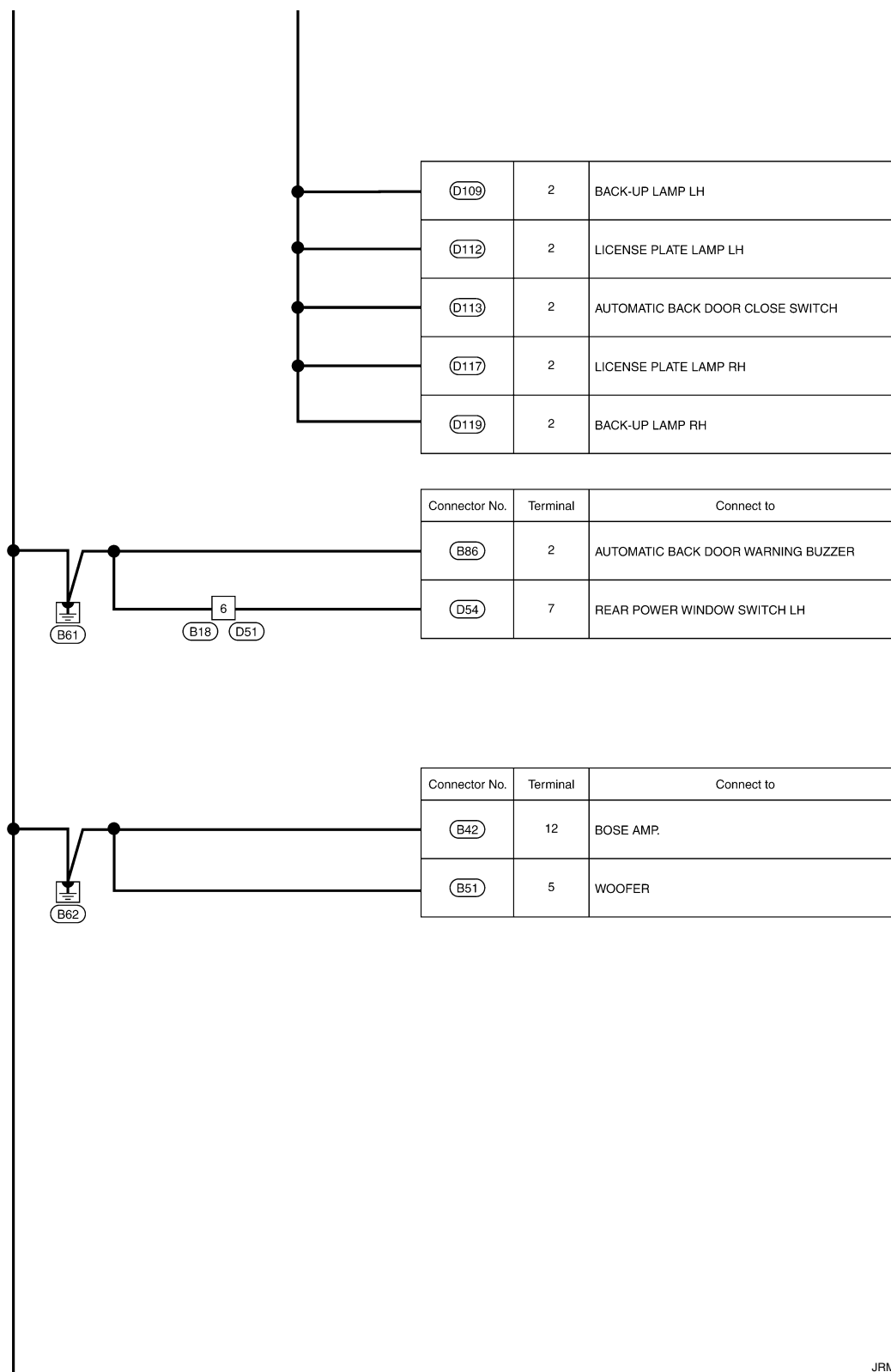
*: This connector is not shown in "Harness Layout".

JRMWH4570GB

GROUND DISTRIBUTION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

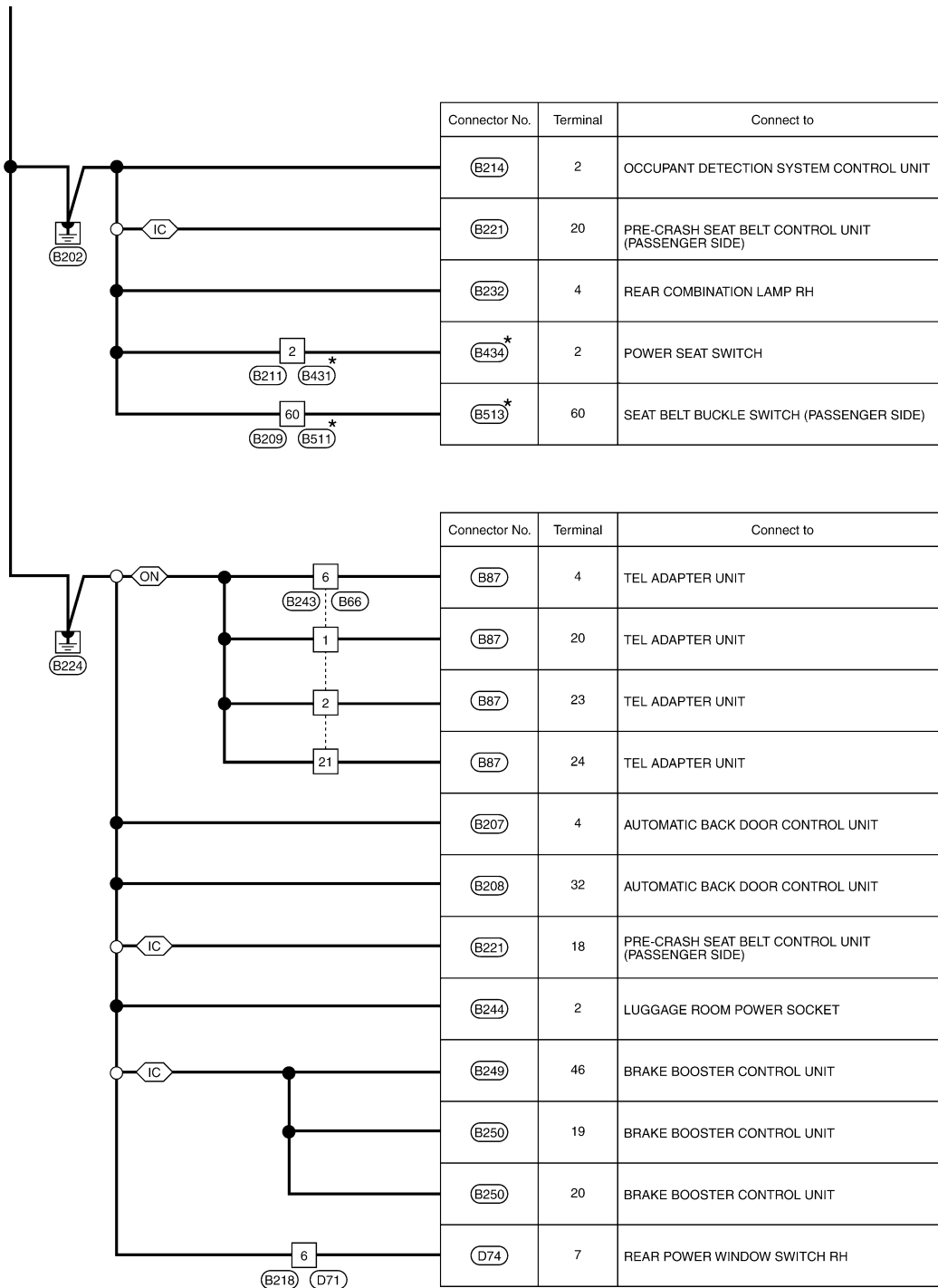


JRMWH4571GB

GROUND DISTRIBUTION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]



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

2015/01/15

JRMWH4572GB

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GROUND DISTRIBUTION

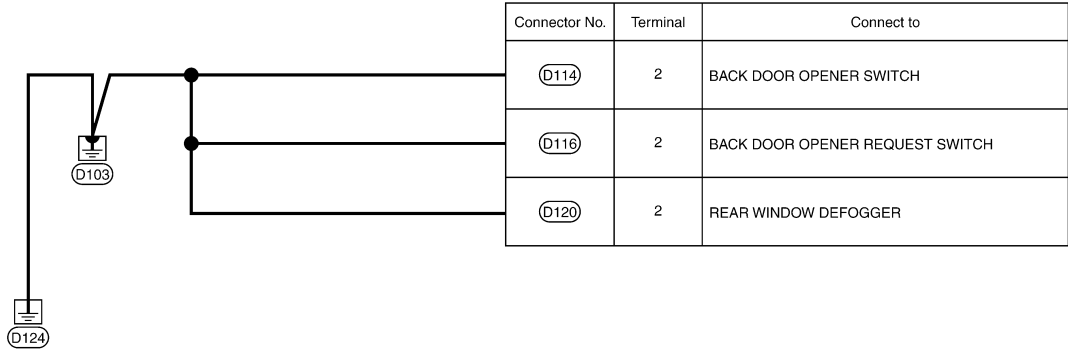
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Door Harness

INFOID:0000000012143818

BACK DOOR HARNESS
BACK DOOR HARNESS



OPTION HARNESS

< DTC/CIRCUIT DIAGNOSIS >

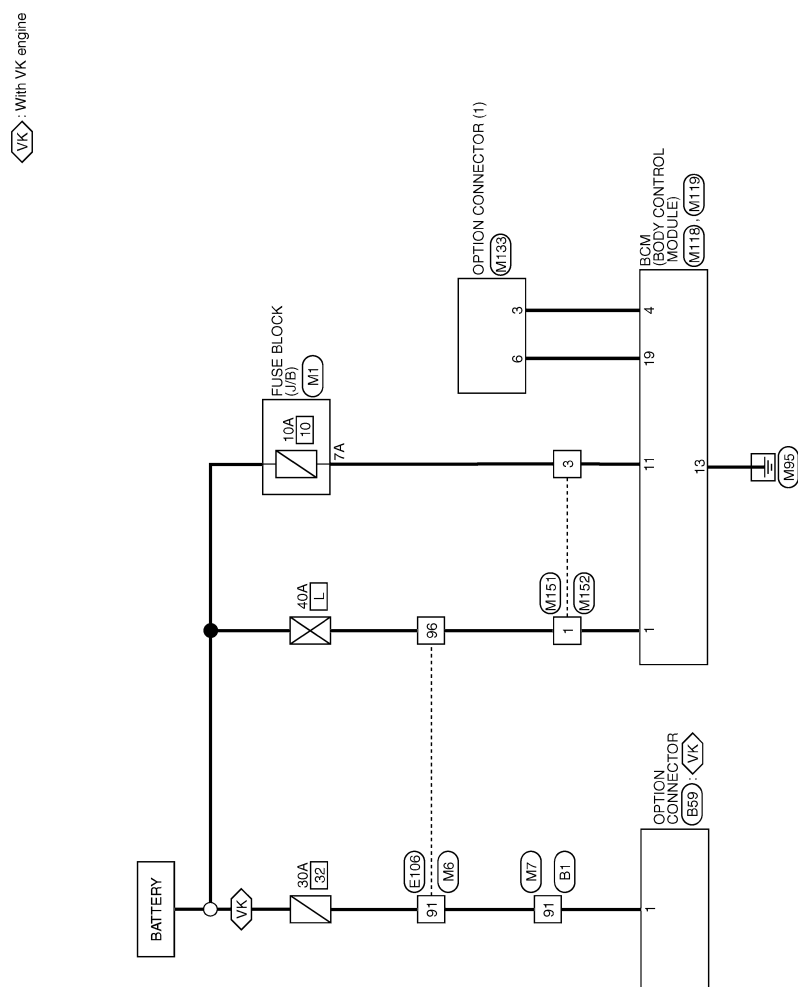
[POWER SUPPLY & GROUND CIRCUIT]

OPTION HARNESS

Wiring Diagram - OPTION HARNESS -

INFOID:0000000010577247

OPTION HARNESS



2013/02/13

JRMWD8232GB

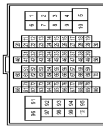
OPTION HARNESS

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

OPTION HARNESS

Connector No.	B1
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4



Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	-
2	L	-
3	W	-
4	G	-
5	P	-
6	BG	-
7	SB	-
8	SB	-
9	SB	-
10	SB	-
11	SB	-
12	B	-
13	G	-
14	R	-
15	W	-
16	SHIELD	-
17	L	-
18	P	-
19	G	-
20	Y	-
21	W	-
23	V	-
24	P	-
25	BR	-
26	GR	-
27	BG	-
28	W	-
30	B	-
39	B	-
43	SB	-
44	V	-
45	GR	-
51	V	-
52	SB	-
53	SHIELD	-
54	BR	-
55	Y	-
56	SHIELD	-

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

Connector No.	B59
Connector Name	OPTION CONNECTOR
Connector Type	M01FW-LC



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

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



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

19	G	-
20	W	- [With ICC] - [Without ICC]
21	BR	-
22	R	- [With ICC] - [Without ICC]
23	V	-
24	L	- [With ICC] - [Without ICC]
25	P	- [With ICC] - [Without ICC]
26	Y	- [With ICC] - [Without ICC]
28	G	-
29	LG	-
30	BG	-
32	W	-
33	Y	-
34	BG	-
37	Y	-
38	GR	-
39	LG	-
41	LG	-
42	V	-
43	R	-
44	G	-
45	GR	-
46	W	-
47	L	-
48	P	-
49	SB	-
50	BR	-
51	B	-
52	Y	-
53	BG	-
54	R	-
55	SB	-
59	P	-
60	SB	-
61	V	-
62	P	-
63	LG	-
64	L	-
65	BG	-
69	L	-
70	SHIELD	-
71	G	-
72	G	-
73	R	-
74	BR	-

OPTION HARNESS

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

OPTION HARNESS

Terminal No.	Wire	Signal Name [Specification]
76	L	-
77	W	-
78	Y	-
80	SB	-
81	L	-
82	W	-
83	LG	-
84	GR	-
85	G	-
86	P	-
87	W	-
88	BG	-
89	LG	-
90	BR	-
91	GR	-
92	BR	-
93	SB	-
95	Y	-
96	W	-
97	SHIELD	-
100	Y	-

Connector No.	Signal Name [Specification]
M1	WIRE TO WIRE
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4



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

Connector No.	Signal Name [Specification]
M6	WIRE TO WIRE
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4



Terminal No.	Wire	Signal Name [Specification]
1	G	-
2	BG	-
3	LG	- [Without Auto aircon seat]
4	SB	- [With Auto aircon seat]
5	LG	-
6	GR	-
7	G	-
8	W	-
9	P	-
10	BR	-
11	B	-
12	G	-
13	R	-
14	W	-
15	SHIELD	-
16	BR	-
17	L	-
18	P	-
19	G	-
20	GR	- [Without ICC]
21	BR	- [With ICC]
22	L	- [Without ICC]
23	R	- [With ICC]
24	L	-
25	P	- [Without ICC]
26	W	- [Without ICC]
27	Y	- [With ICC]
28	SHIELD	-
29	GR	-
30	BG	-
32	W	-

Terminal No.	Wire	Signal Name [Specification]
33	Y	-
34	L	-
37	G	-
38	R	-
39	G	-
41	L	-
42	W	-
43	R	-
44	LG	-
45	GR	-
46	W	-
47	L	-
48	P	-
49	BG	-
50	LG	-
51	SB	-
52	Y	-
53	BG	-
54	BR	-
55	SB	-
59	SB	-
60	SB	-
61	V	-
62	P	-
63	R	-
64	L	-
65	BG	-
69	V	-
70	SHIELD	-
71	BG	-
72	GR	-
73	W	-
74	SB	-
76	V	-
77	V	-
78	Y	-
80	BG	-
81	L	-
82	W	-
83	Y	-
84	L	-
85	P	-
86	BR	-
87	P	-
88	V	-
89	G	-
90	P	-
91	R	-
92	R	-
93	GR	-

Terminal No.	Wire	Signal Name [Specification]
95	G	-
96	W	-
97	W	-
98	SHIELD	-
100	Y	-

Connector No.	Signal Name [Specification]
M7	WIRE TO WIRE
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4



Terminal No.	Wire	Signal Name [Specification]
1	G	- [With Auto aircon seat]
1	Y	- [Without Auto aircon seat]
2	B	-
3	W	-
6	P	-
7	V	-
8	BG	-
10	W	-
11	BG	-
12	B	-
13	G	-
14	R	-
15	W	-
16	SHIELD	-
17	L	-
18	P	-
19	G	-
20	R	-
21	LG	-
23	V	-
24	P	-
25	BR	-
26	GR	-
27	BG	-
28	W	-
38	B	-
39	B	-
43	SB	-
44	W	-

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OPTION HARNESS

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

OPTION HARNESS

45	B	-
51	V	-
52	LG	-
53	SHIELD	-
54	BR	-
55	Y	-
56	SHIELD	-
57	P	-
58	L	-
59	SHIELD	-
60	L	-
61	BR	-
62	R	-
63	Y	-
64	L	-
65	W	-
66	V	-
67	LG	-
68	Y	-
69	G	-
70	V	-
71	W	-
72	B	-
73	W	-
74	LG	-
75	P	-
76	LG	-
77	SB	-
78	GR	-
79	R	-
80	L	-
81	P	-
82	L	-
83	P	-
84	SB	-
85	W	-
86	Y	-
87	B	-
88	G	-
89	BG	-
91	R	-
92	BG	-
93	BR	-
94	V	-
96	BG	-
97	W	-
98	R	-
99	BG	-

Connector No.	M118
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	M03FW-LC



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

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



Terminal No.	Color Of Wire	Signal Name [Specification]
4	P	INT ROOM LAMP PWR SUPPLY (BAT SAVE)
5	V	PASSENGER DOOR UNLOCK OUTPUT
7	Y	STEP LAMP 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
15	Y	ACC IND
17	W	TURN SIGNAL RH (FRONT)
18	BG	TURN SIGNAL LH (FRONT)
19	SB	ROOM LAMP TIMER

Connector No.	M133
Connector Name	OPTION CONNECTOR (1)
Connector Type	TH08MW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
3	SB	ROOM LAMP BAT SAVER (POWER)
6	R	ROOM LAMP OUTPUT

Connector No.	M151
Connector Name	WIRE TO WIRE
Connector Type	M03FW-LC



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

Connector No.	M152
Connector Name	WIRE TO WIRE
Connector Type	M03MW-LC



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

JRMWF4543GB

HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

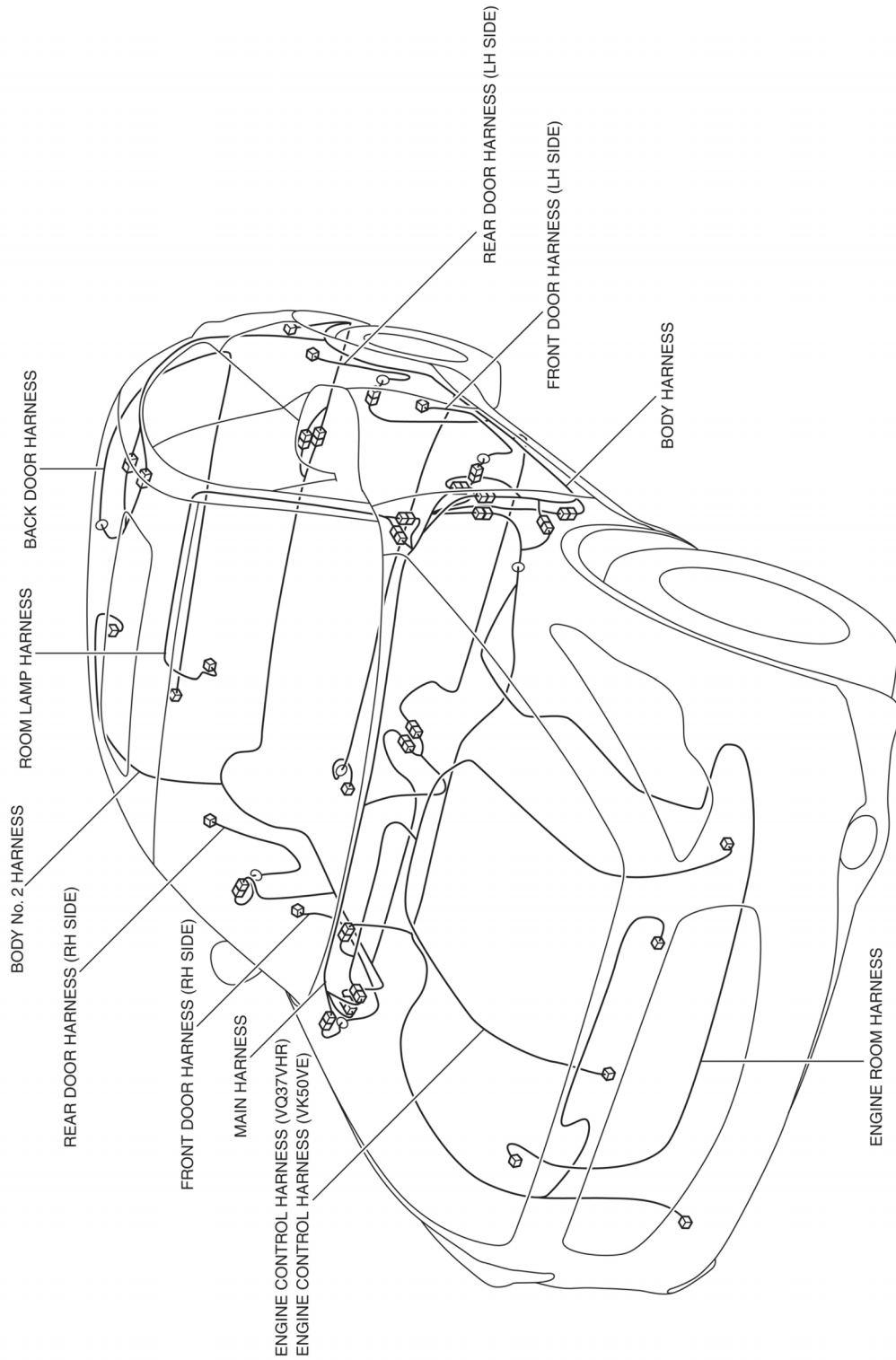
[POWER SUPPLY & GROUND CIRCUIT]

HARNESS LAYOUT

Outline

INFOID:0000000010577248

OUTLINE



2012/06/05

JRMIC1827GB

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HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

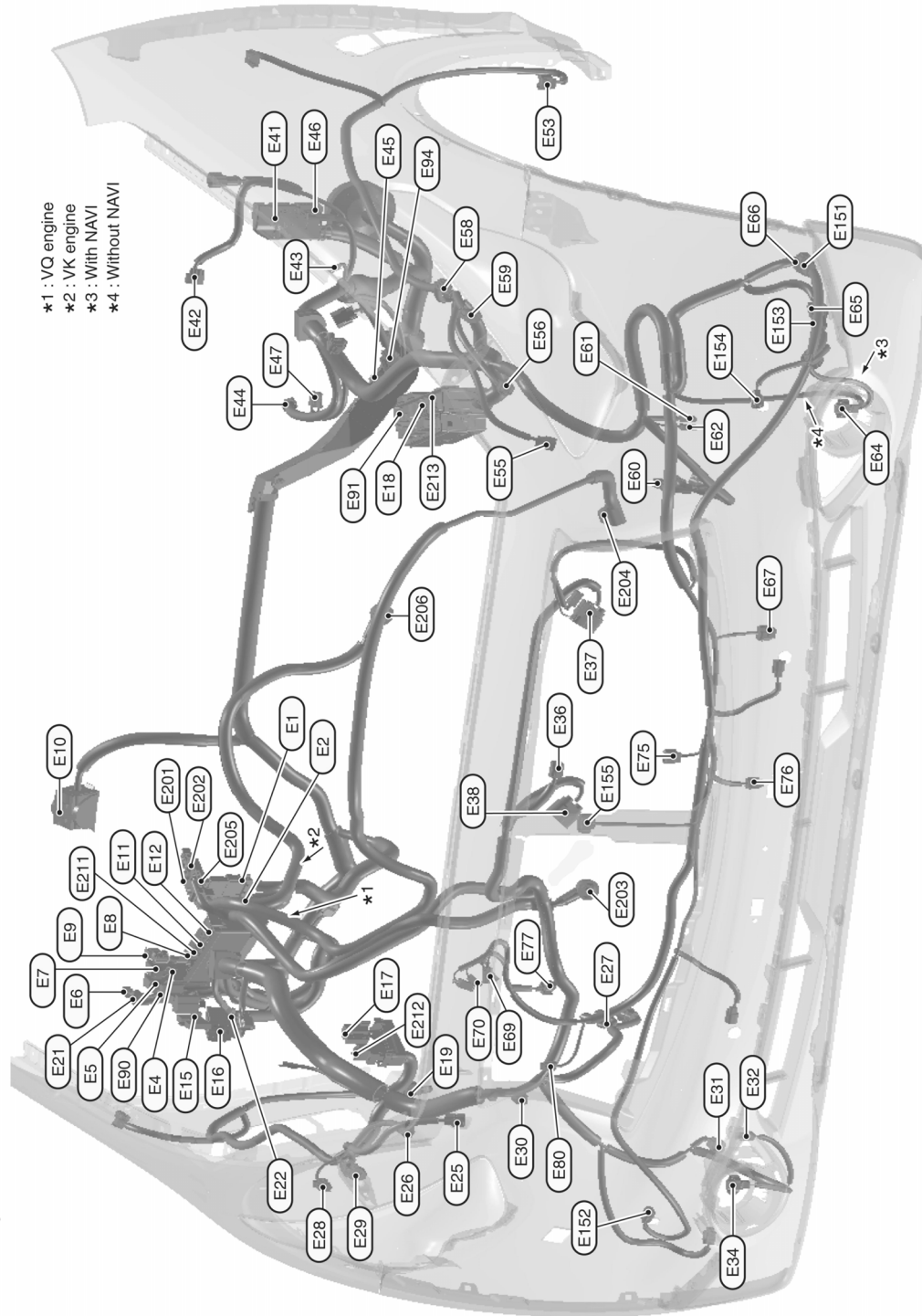
[POWER SUPPLY & GROUND CIRCUIT]

Engine Room Harness

INFOID:000000010577249

ENGINE COMPARTMENT

ENGINE ROOM HARNESS /
Engine Compartment



2014/03/18

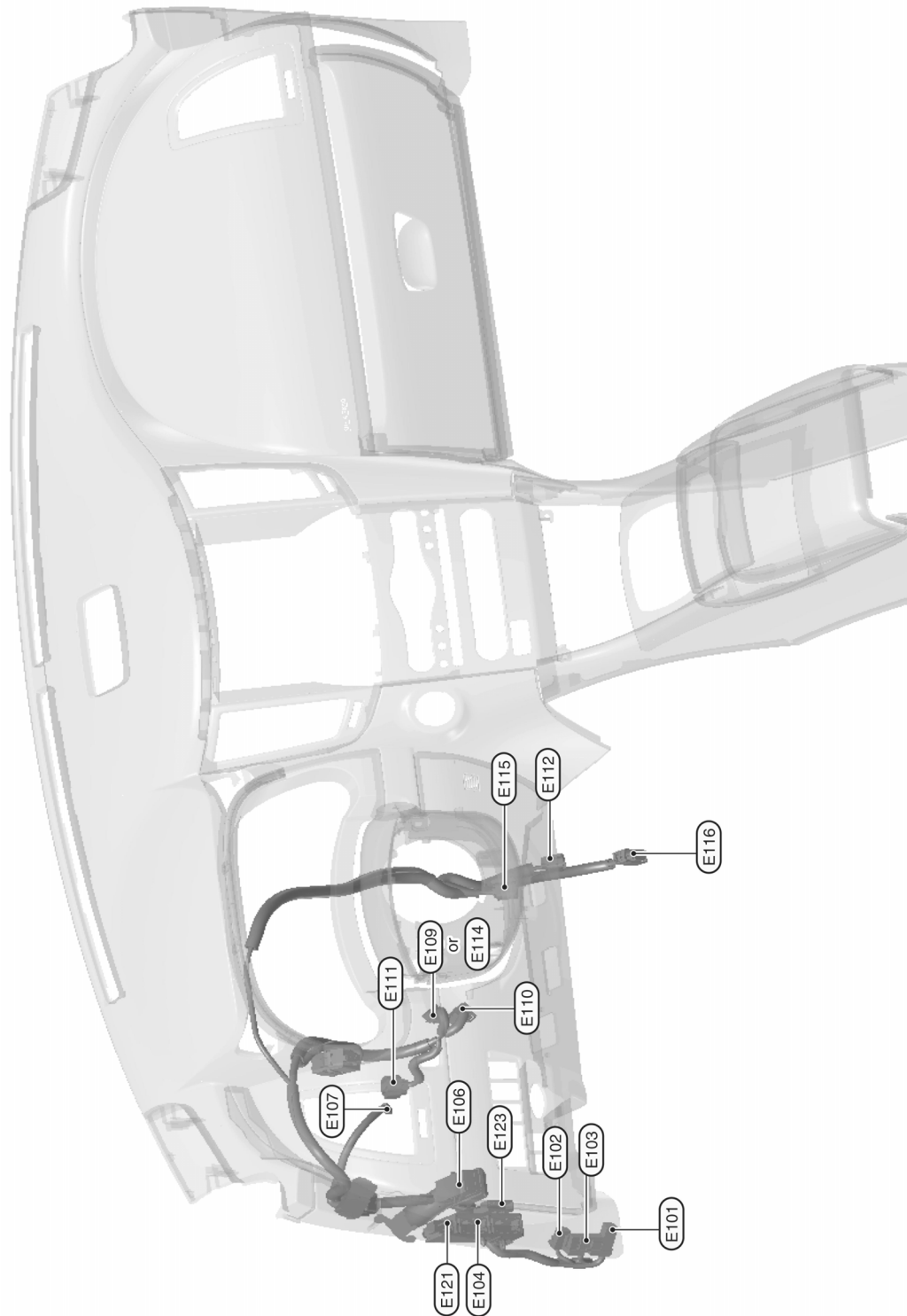
JRMIC4475GB

HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >
PASSENGER COMPARTMENT

[POWER SUPPLY & GROUND CIRCUIT]

Passenger Compartment



2014/03/18

JRMIC4476GB

INFOID:0000000010577250

Engine Control Harness

VQ37VHR

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HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Engine Compartment



2014/03/18

JRMIC4477GB

HARNESS LAYOUT

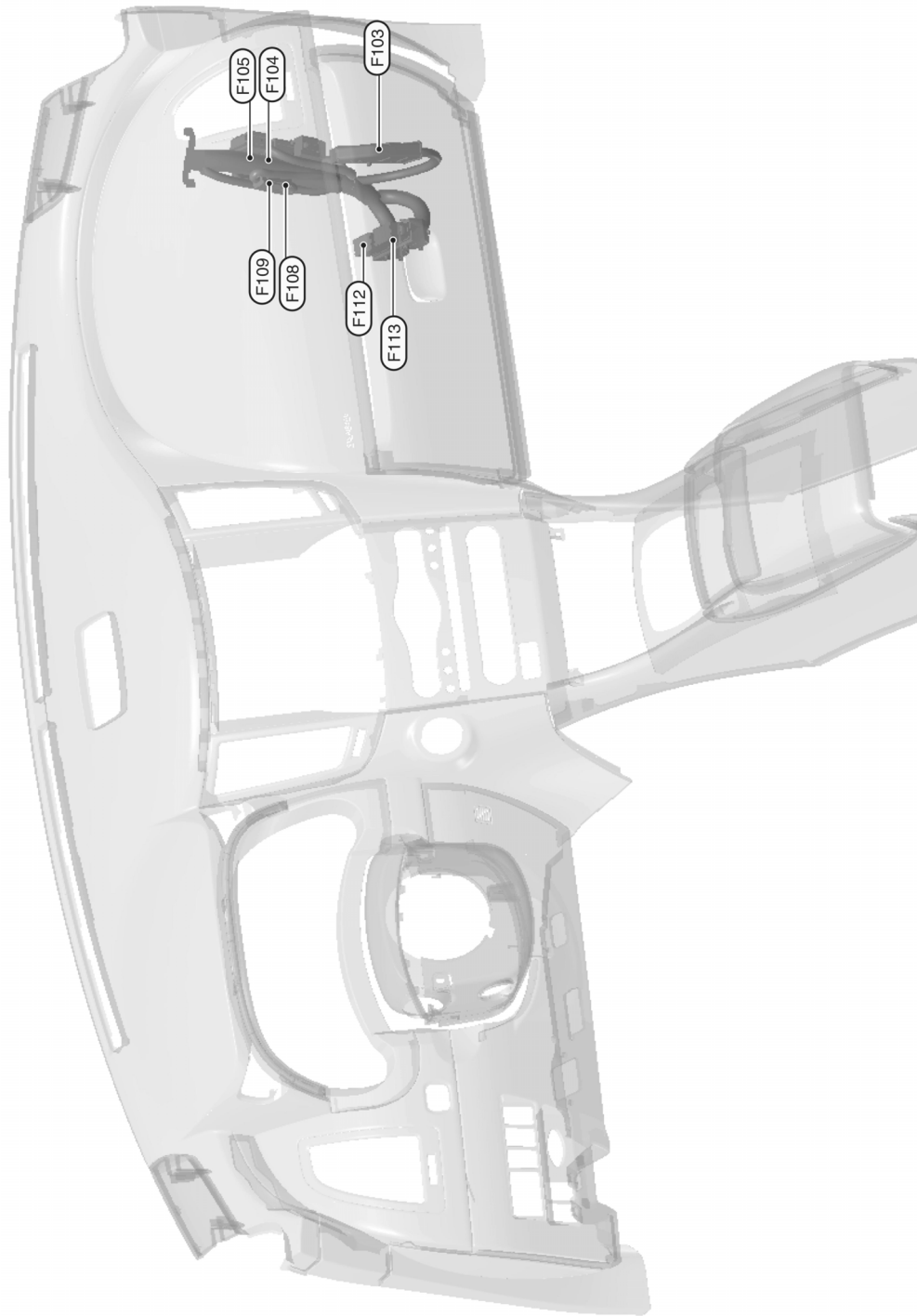
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Passenger Compartment

Passenger Compartment (VQ37VHR)

VK50VE



JRMIC1832GB

2012/06/05

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HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Engine Compartment

ENGINE CONTROL HARNESS /
Engine Compartment (VK50VE)



JRMIC1833GB
2012/06/05

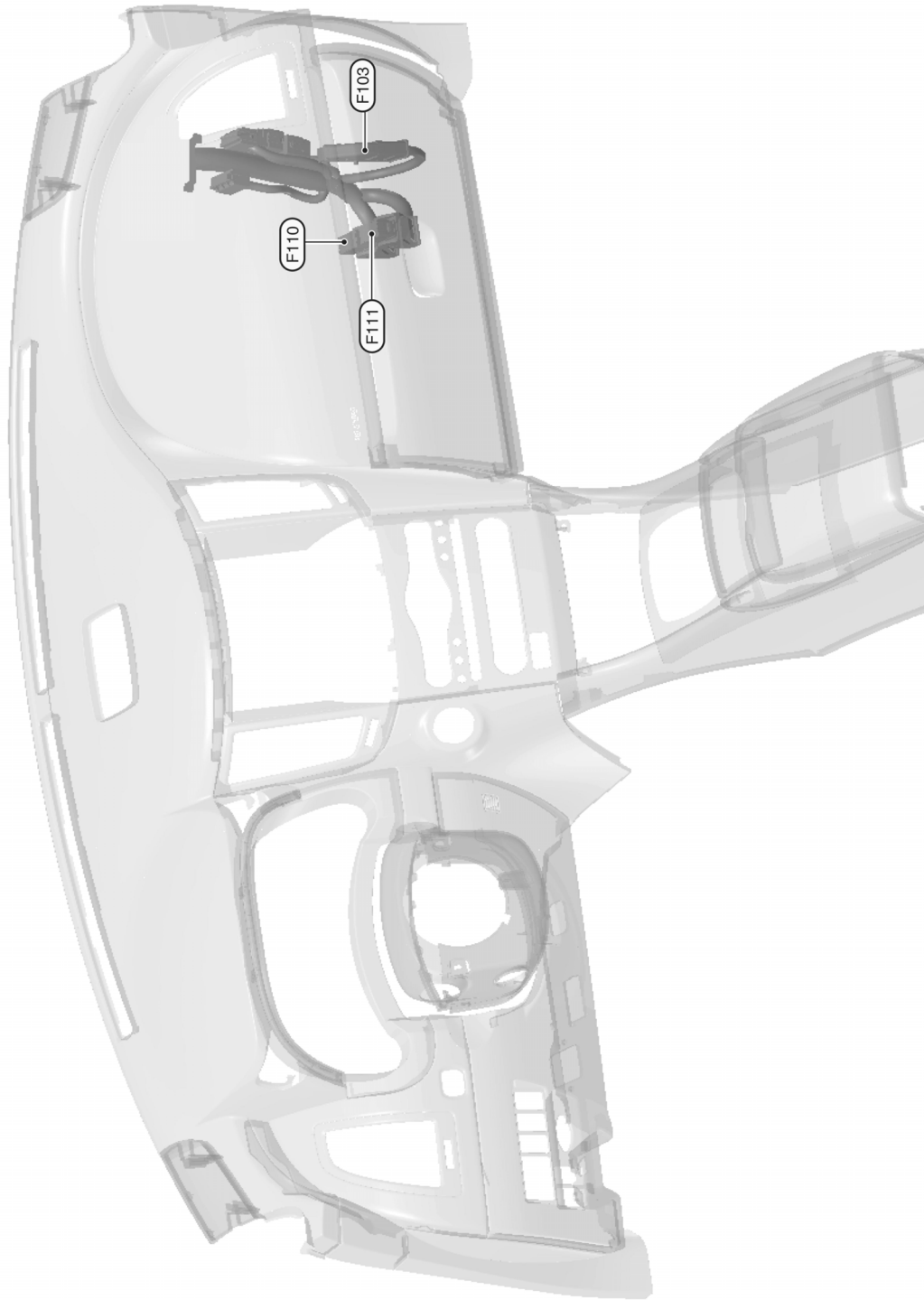
HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Passenger Compartment

Passenger Compartment (VK50VE)



2012/06/05

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HARNESS LAYOUT

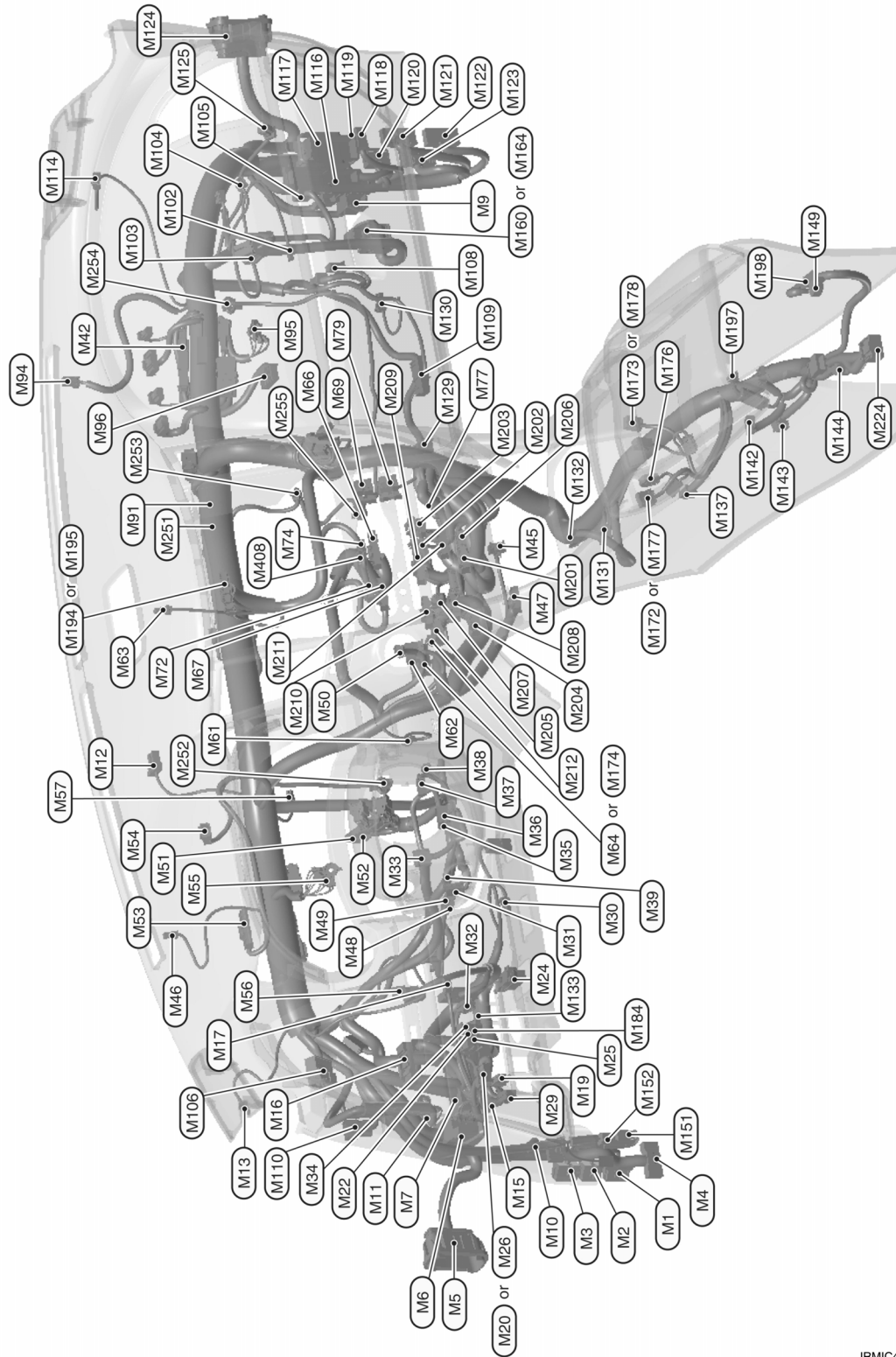
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Main Harness

INFOID:000000010577251

MAIN HARNESS



2014/03/18

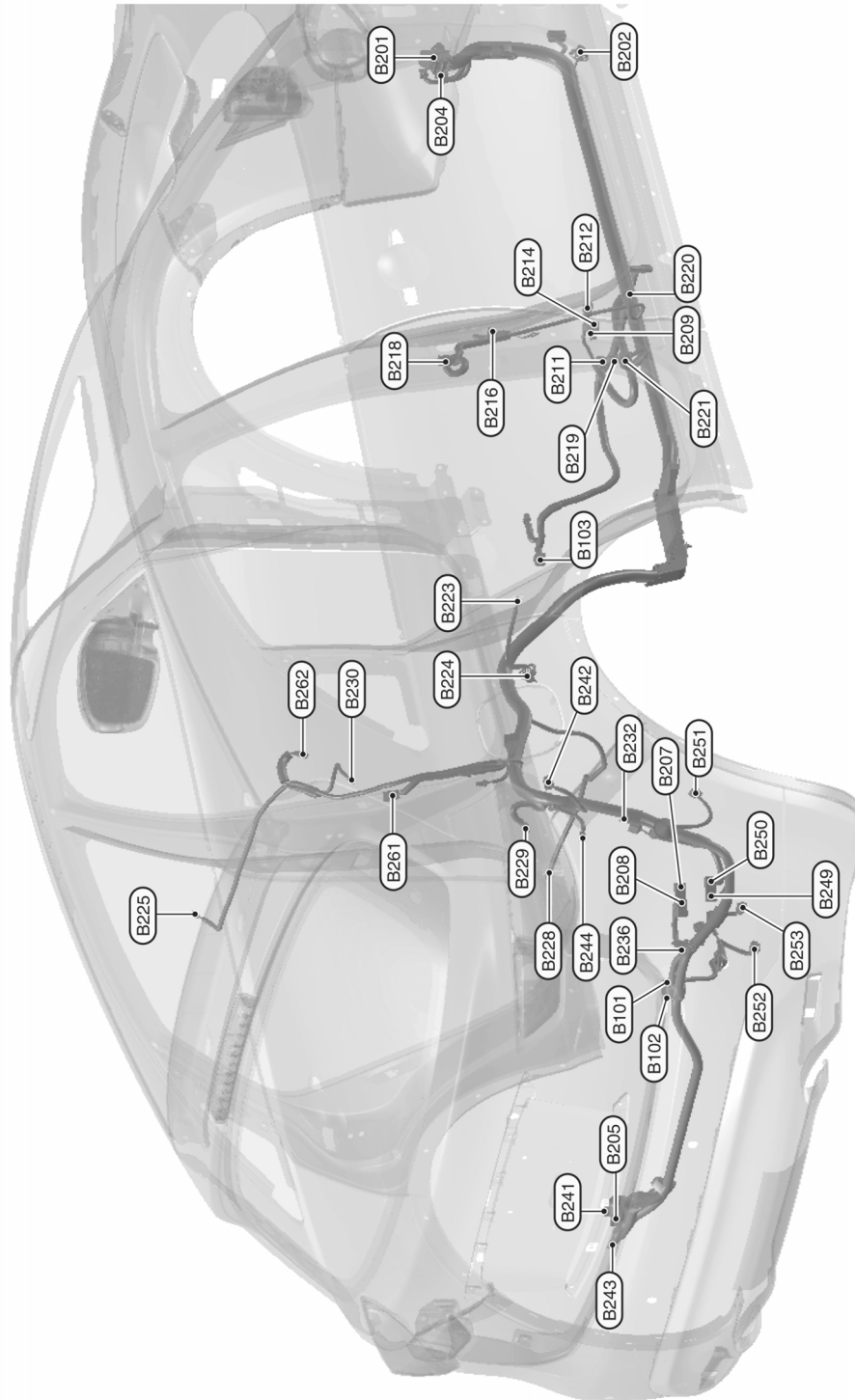
JRMIC4474GB

HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BODY No.2 HARNESS



BODY No. 2 HARNESS

2014/03/18

JRMIC4479GB

HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

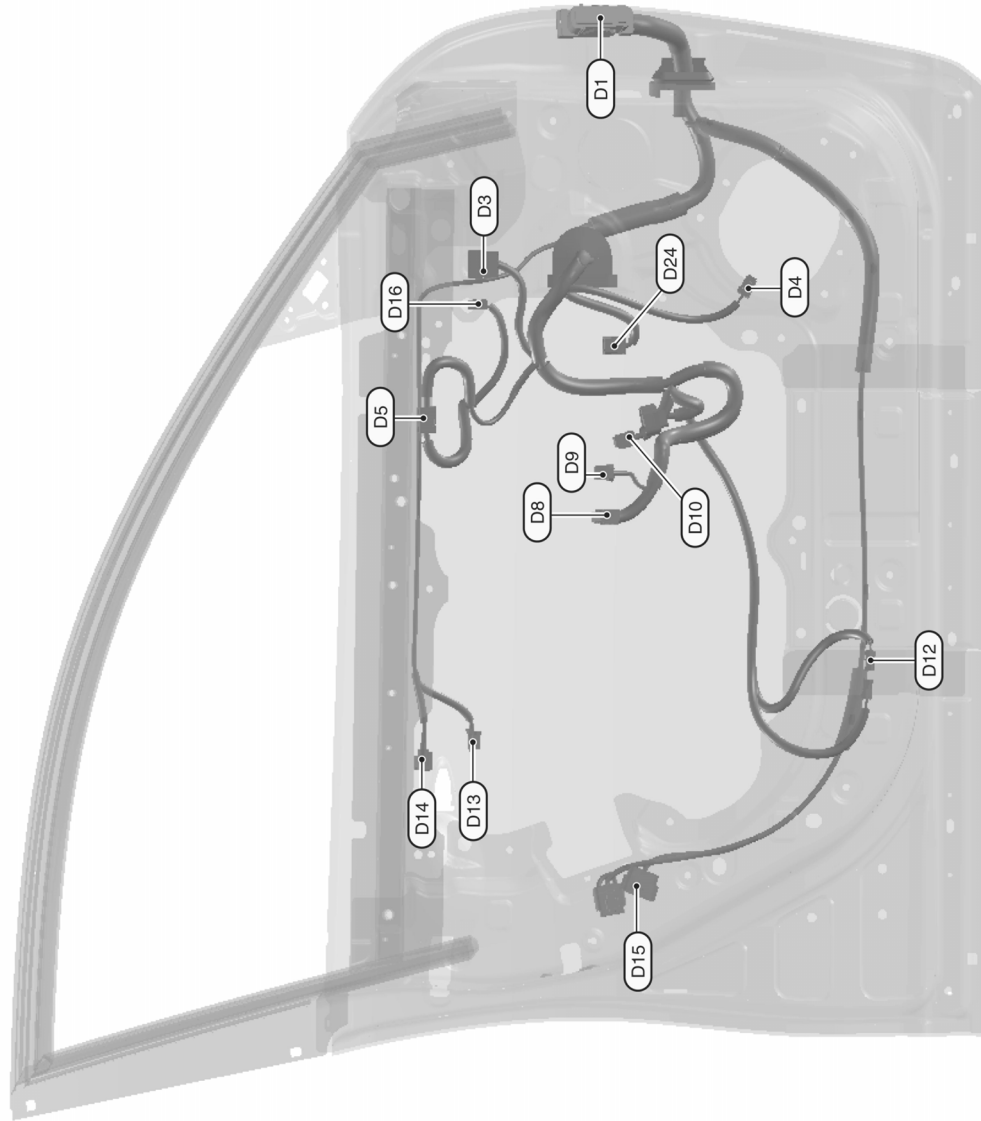
[POWER SUPPLY & GROUND CIRCUIT]

Door Harness

INFOID:0000000010577253

FRONT DOOR HARNESS (LH SIDE)

FRONT DOOR HARNESS (LH SIDE)



2014/03/18

JRMIC4480GB

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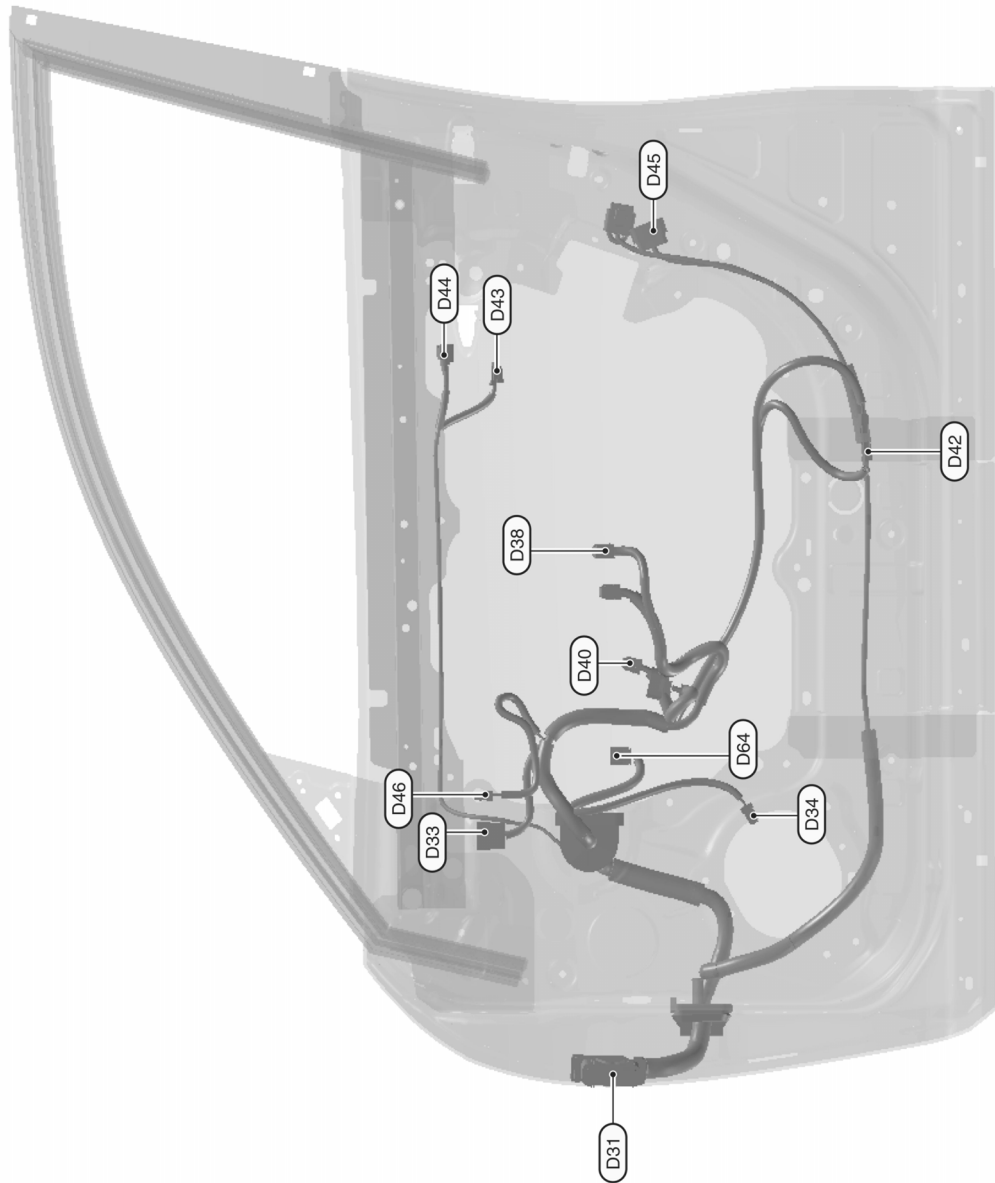
HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

FRONT DOOR HARNESS (RH SIDE)

FRONT DOOR HARNESS (RH SIDE)



2014/03/18

JRMIC4481GB

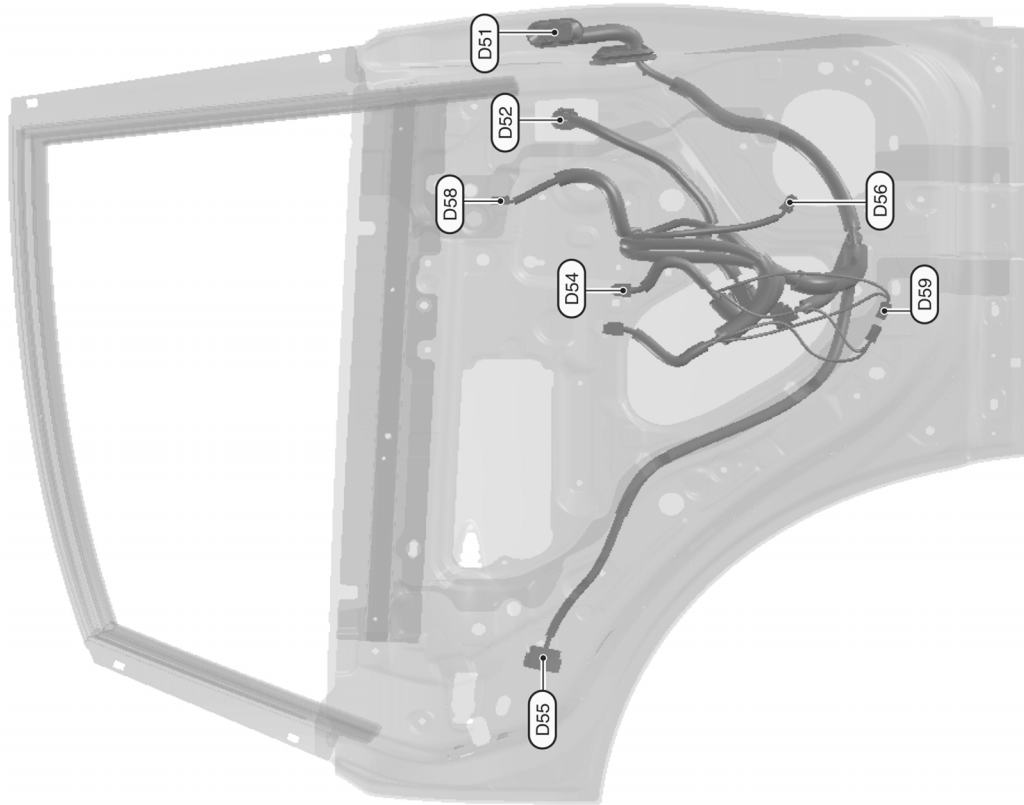
HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

REAR DOOR HARNESS (LH SIDE)

REAR DOOR HARNESS (LH SIDE)



2012/06/05

JRMIC1840GB

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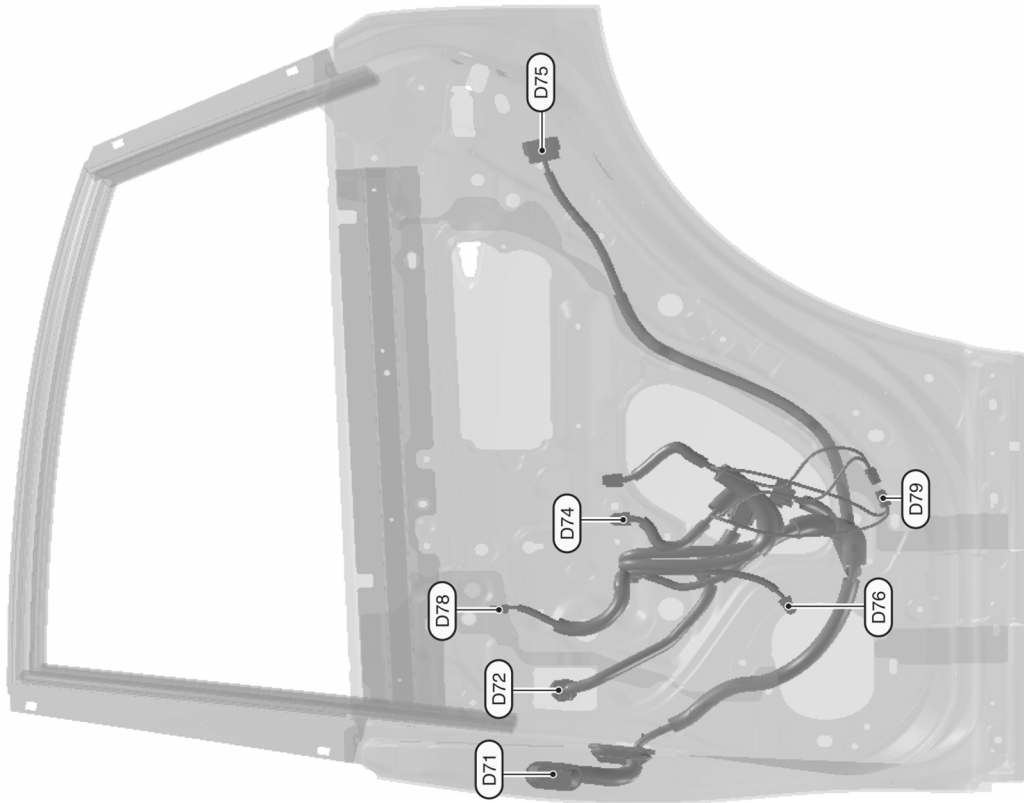
HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

REAR DOOR HARNESS (RH SIDE)

REAR DOOR HARNESS (RH SIDE)



2012/06/05

JRMIC1841GB

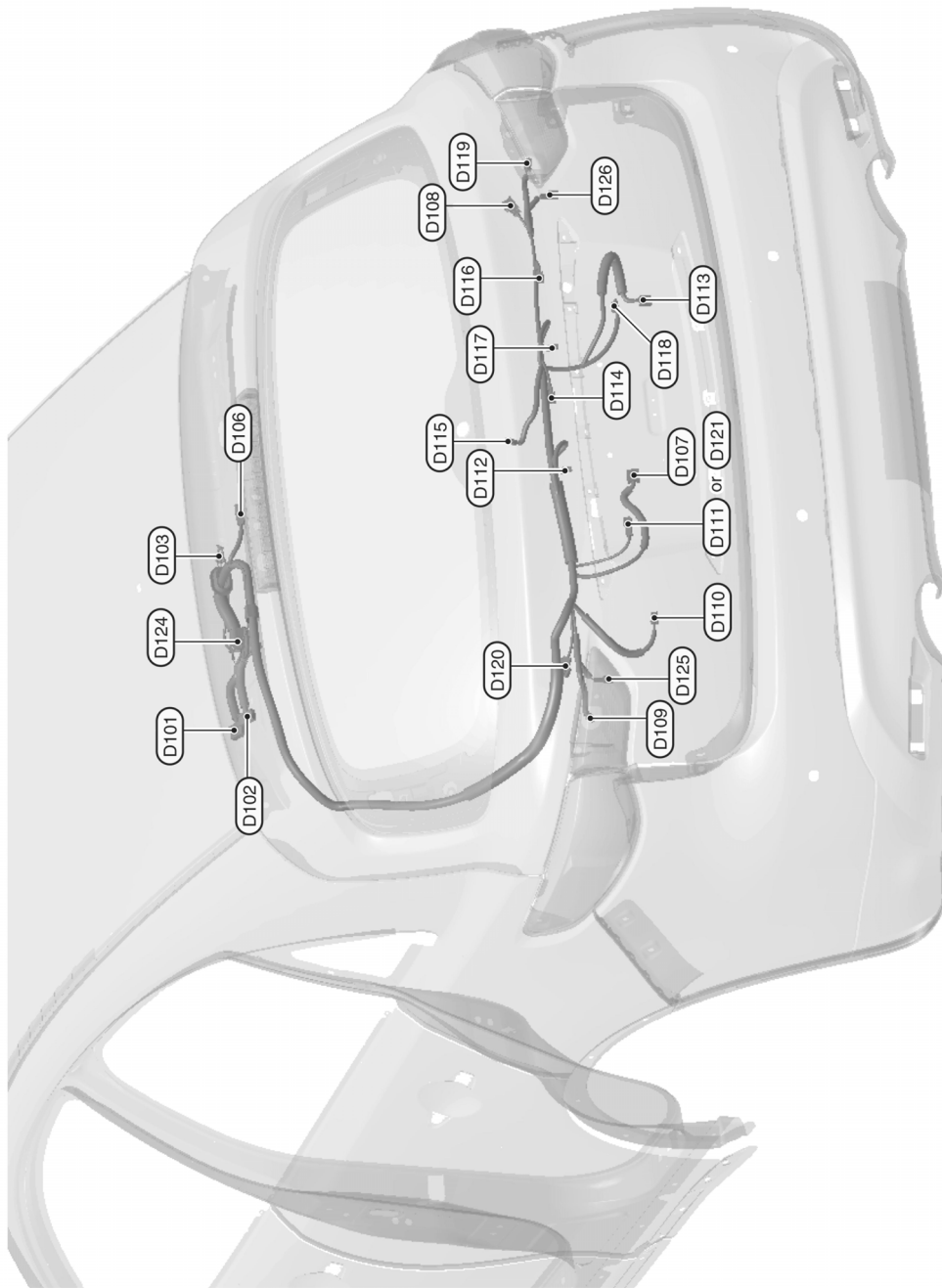
HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BACK DOOR HARNESS

BACK DOOR HARNESS



2012/06/05

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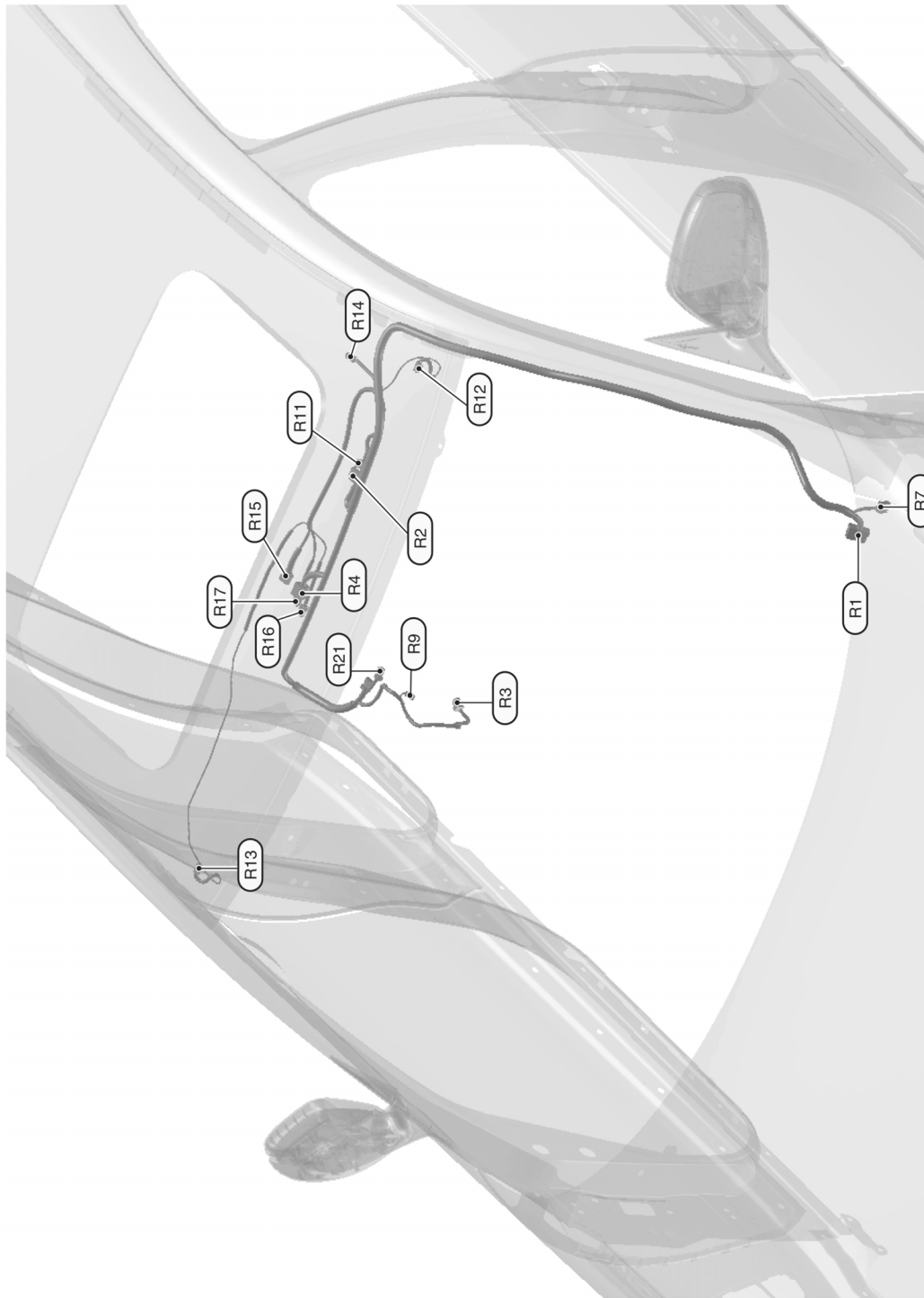
HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Room Lamp Harness

INFOID:0000000010577254



ROOM LAMP HARNESS

2013/02/13

JRMIC2770GB

HARNESS CONNECTOR

Description

INFOID:000000010577255

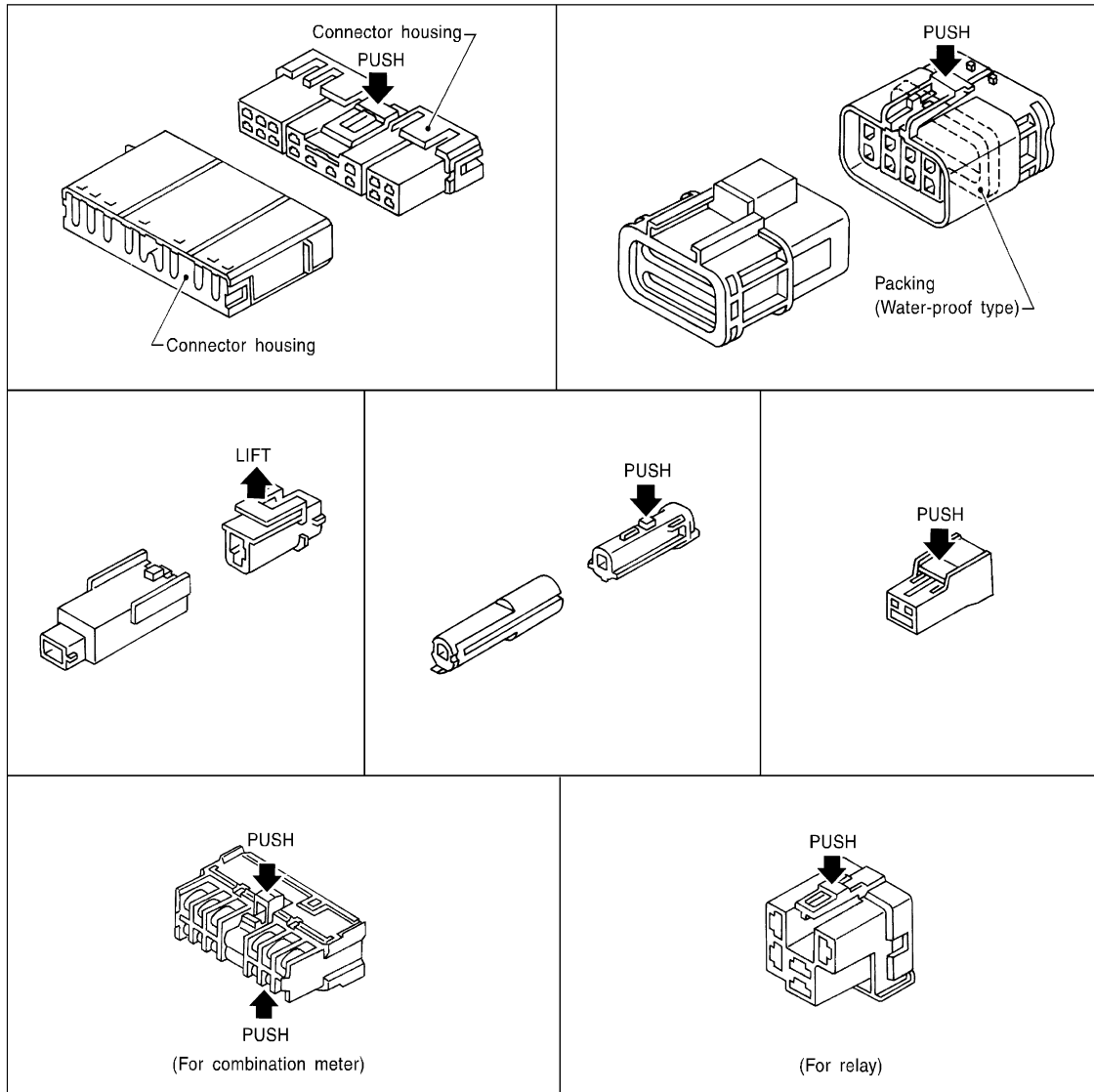
HARNESS CONNECTOR (TAB-LOCKING TYPE)

- 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

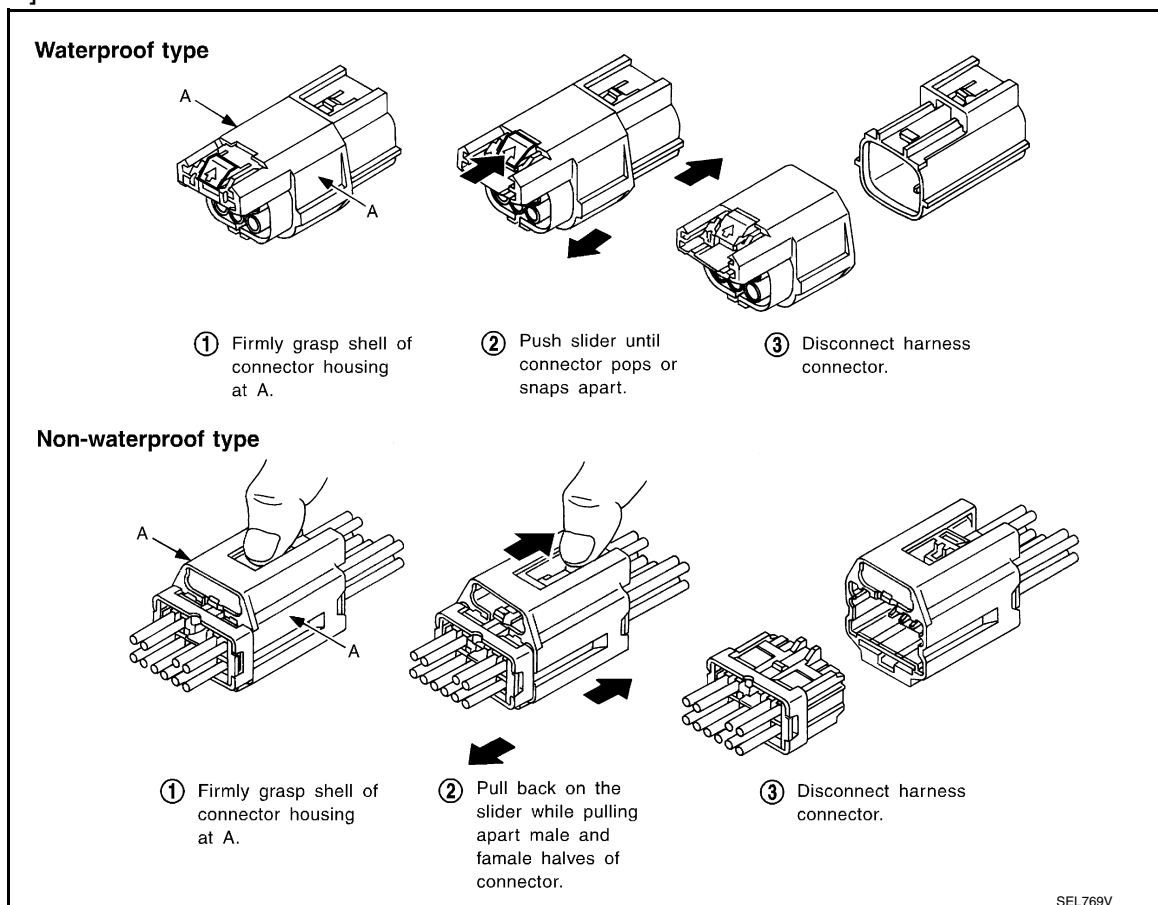
< DTC/CIRCUIT DIAGNOSIS >

[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.

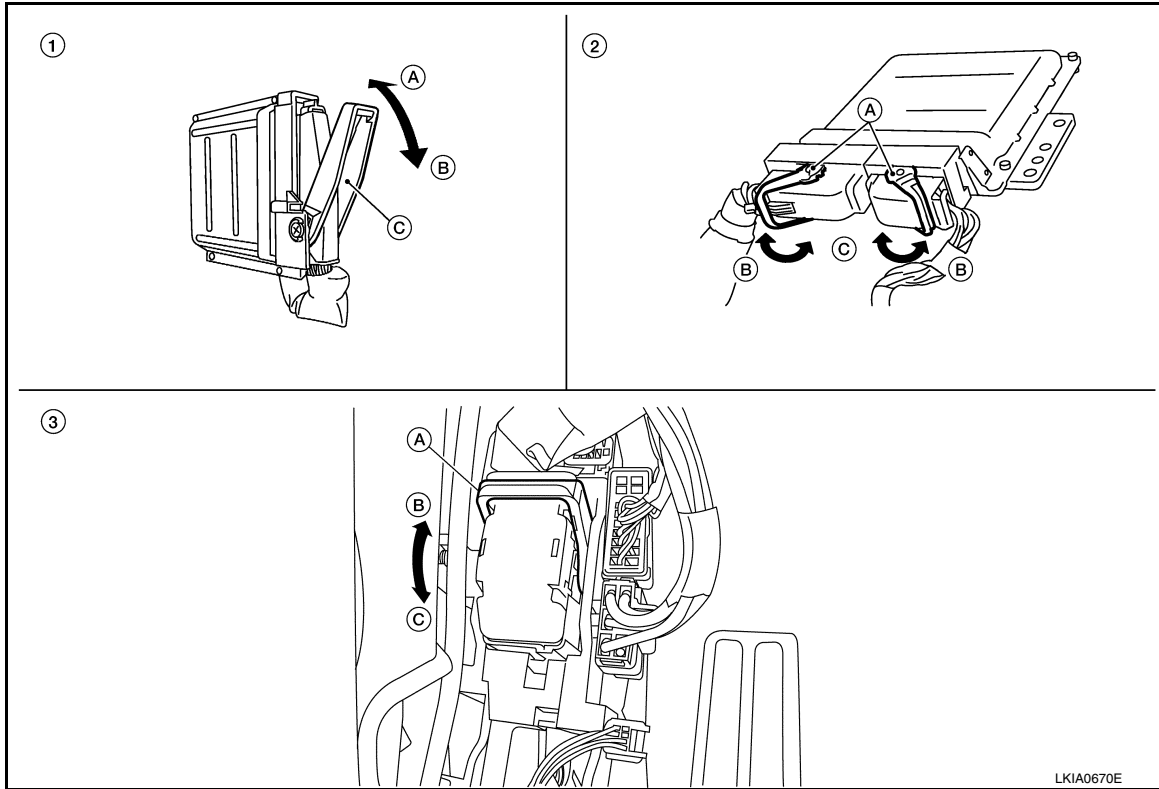
CAUTION:

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]

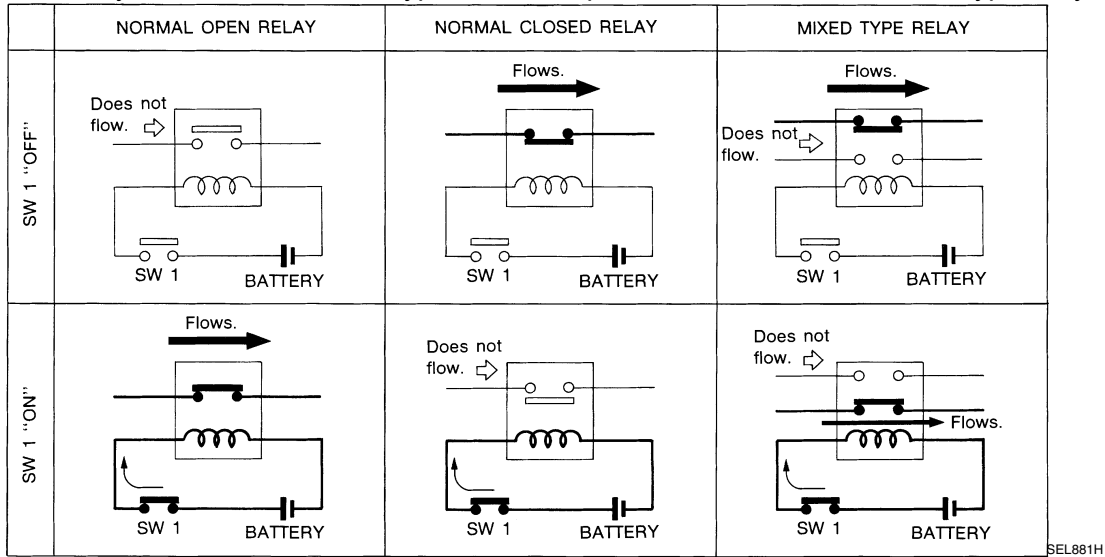
STANDARDIZED RELAY

Description

INFOID:000000010577256

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

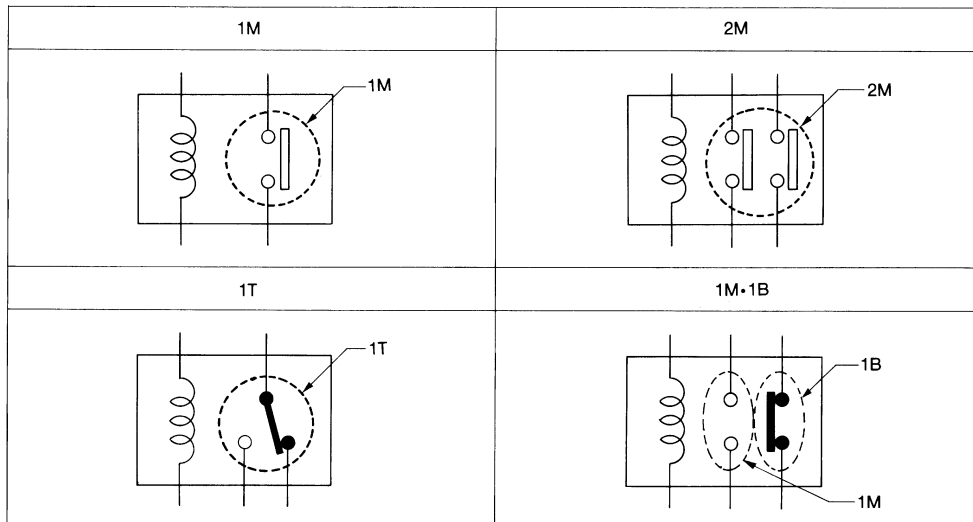
TYPE OF STANDARDIZED RELAYS

1M 1 Make

2M 2 Make

1T 1 Transfer

1M-1B 1 Make 1 Break

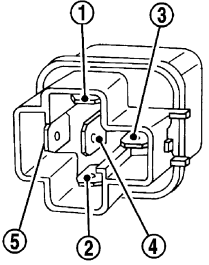
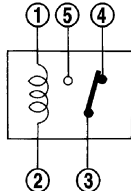
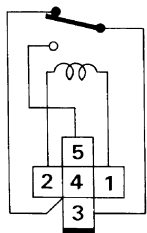
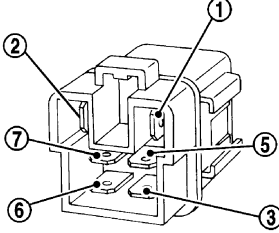
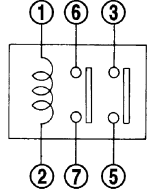
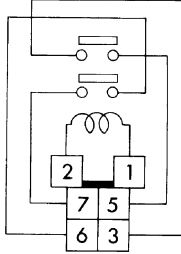
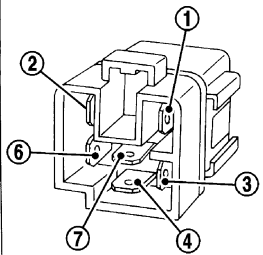
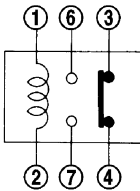
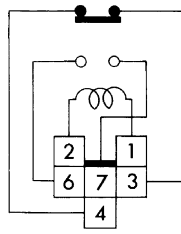
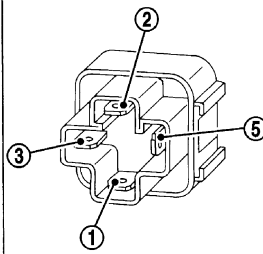
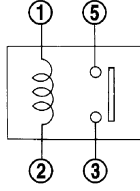
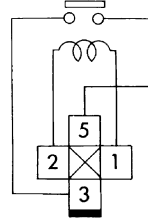
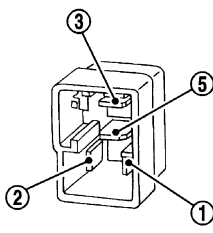
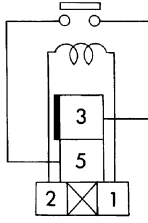


SEL882H

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]

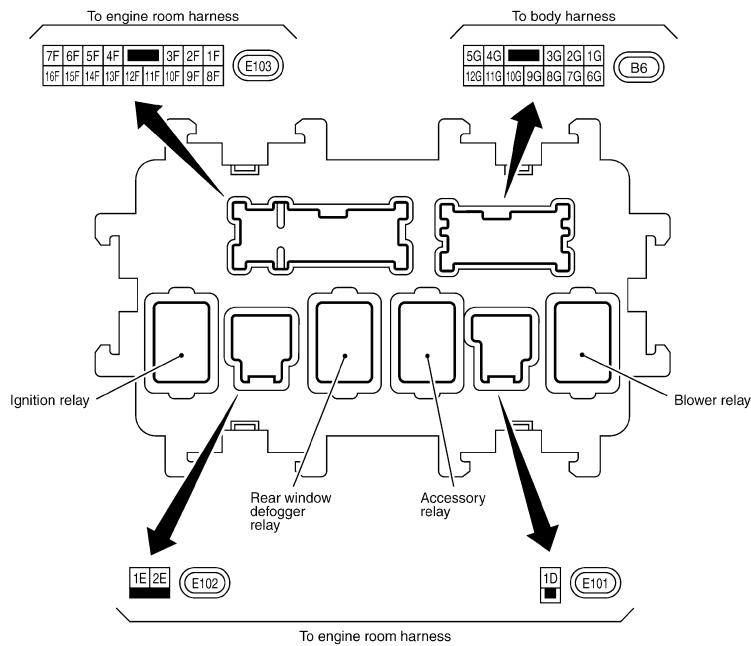
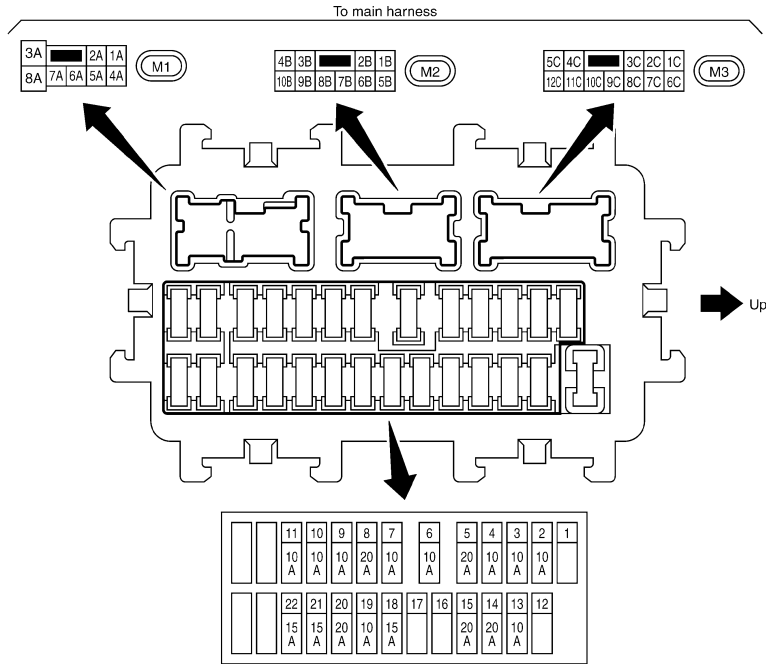
FUSE BLOCK - JUNCTION BOX (J/B)

Fuse, Connector and Terminal Arrangement

INFOID:000000010577257

FUSE BLOCK-JUNCTION BOX (J/B)

Fuse,Connector and Terminal Arrangement



2014/03/18

JRMWF4608GB

FUSE, FUSIBLE LINK AND RELAY BOX

< DTC/CIRCUIT DIAGNOSIS >

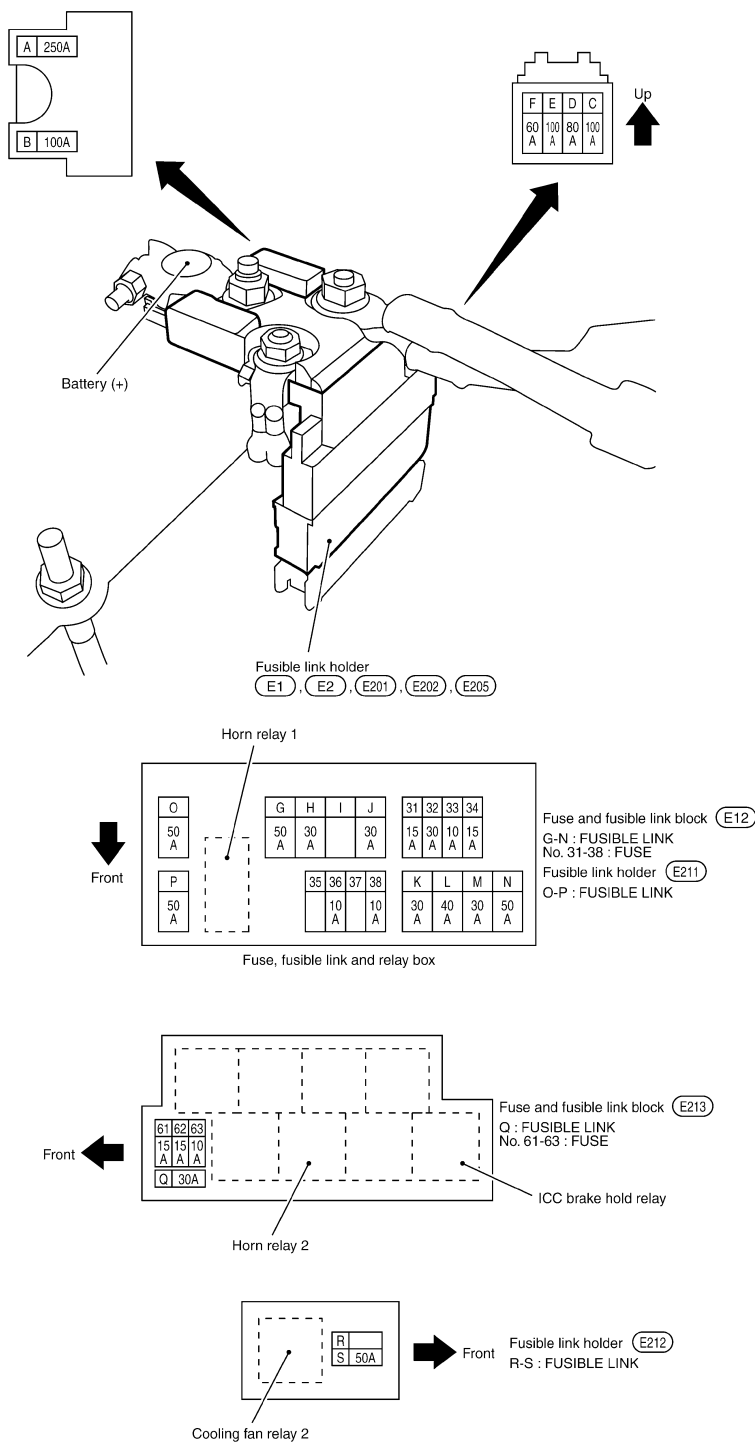
[POWER SUPPLY & GROUND CIRCUIT]

FUSE, FUSIBLE LINK AND RELAY BOX

Fuse and Fusible Link Arrangement

INFOID:000000010577258

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



2014/03/18

JRMWF4609GB

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

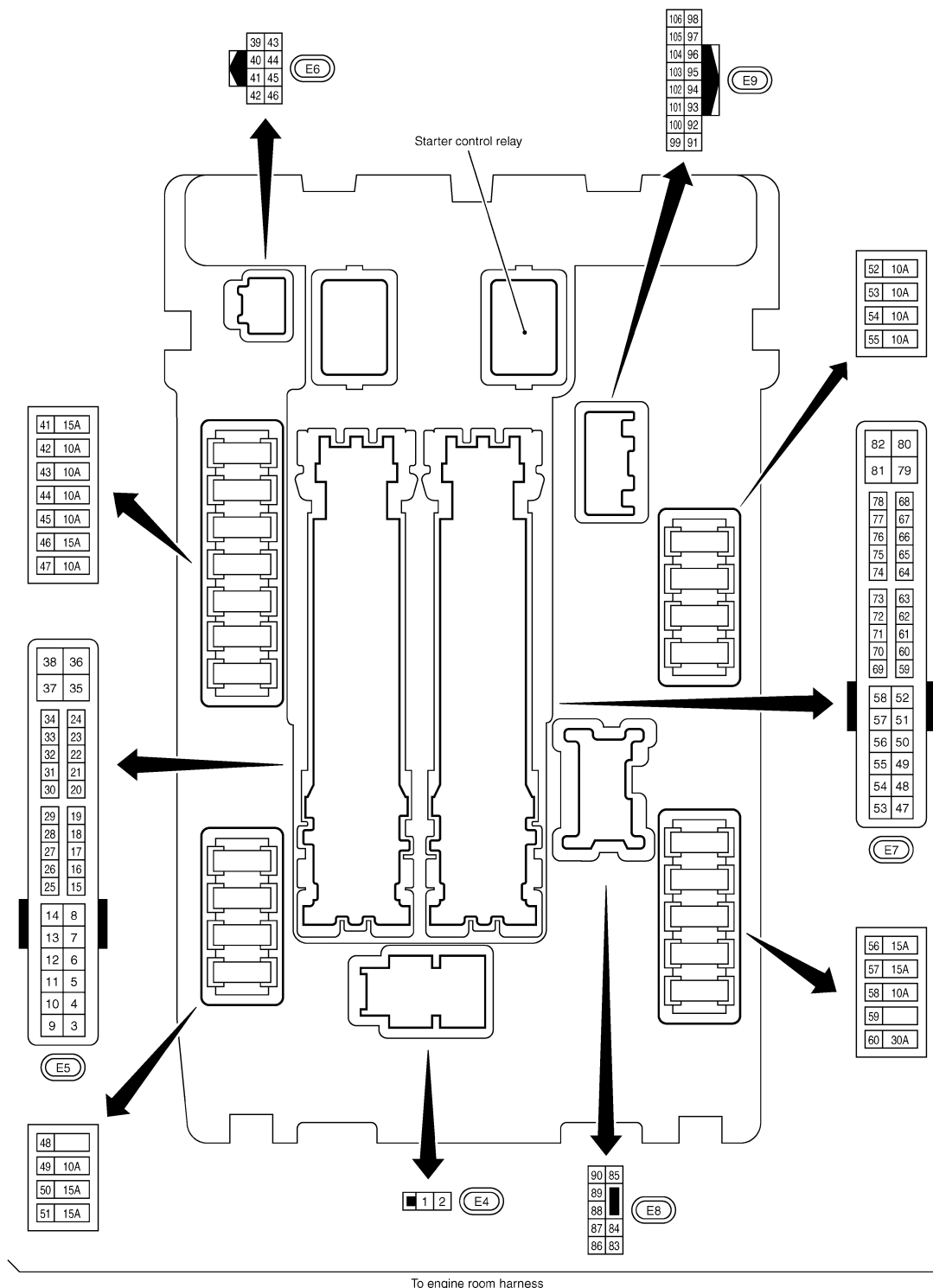
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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

Fuse, Connector and Terminal Arrangement

INFOID:000000010577259



2011/07/22

JRMWC4866GB

PRECAUTION

PRECAUTIONS

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

INFOID:000000010577260

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:

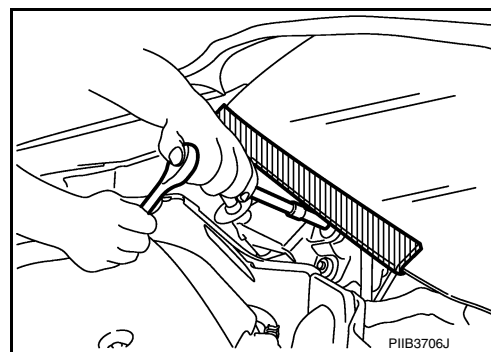
Always observe the following items for preventing accidental activation.

- 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:000000010577261

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:0000000011012783

- 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.

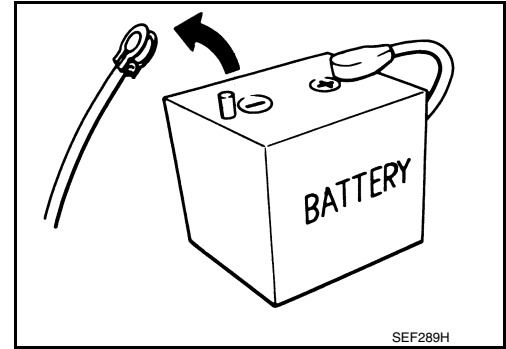
NOTE:

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.



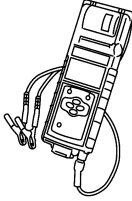
SEF289H

PREPARATION

PREPARATION

Special Service Tools

INFOID:0000000010577262

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

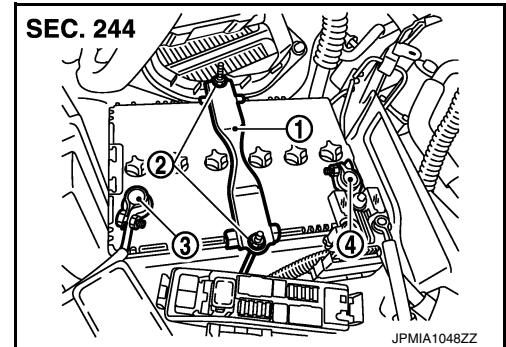
REMOVAL AND INSTALLATION

BATTERY

Exploded View

INFOID:0000000010577263

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

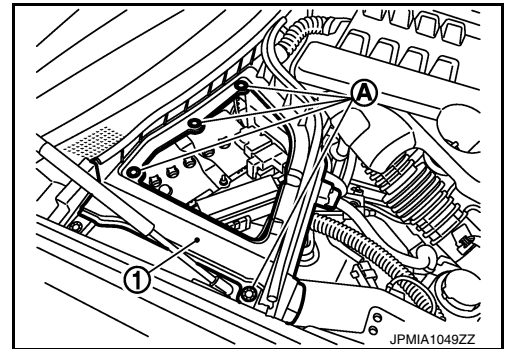


Removal and Installation

INFOID:0000000010577264

REMOVAL

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

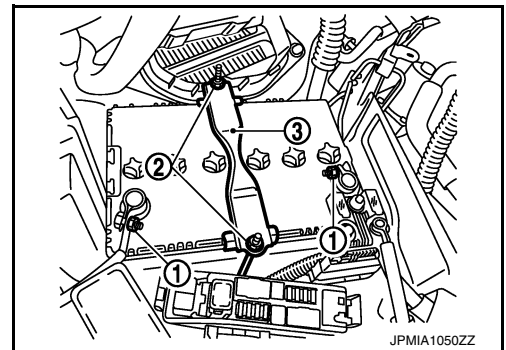


3. Remove cowl top cover RH. Refer to [EXT-22. "Exploded View"](#).
4. Remove cover of battery positive terminal.
5. Loosen battery terminal nuts (1), and disconnect both battery cables from battery terminals.

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-72. "ADDITIONAL SERVICE WHEN REMOVING BATTERY NEGATIVE TERMINAL : Required Procedure After Battery Disconnection"](#).

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BATTERY TERMINAL WITH FUSIBLE LINK

< REMOVAL AND INSTALLATION >

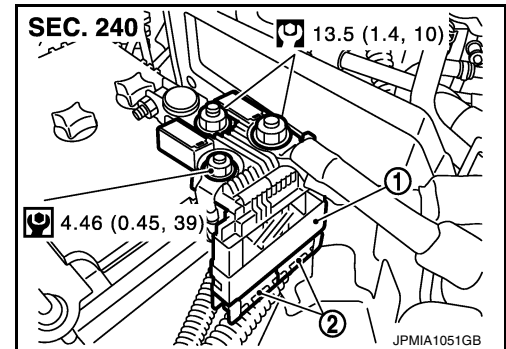
[POWER SUPPLY & GROUND CIRCUIT]

BATTERY TERMINAL WITH FUSIBLE LINK

Exploded View

INFOID:000000010577265

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

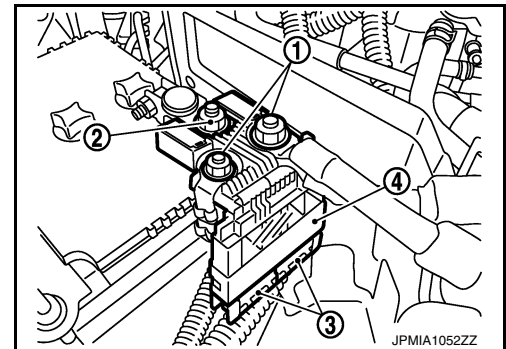


Removal and Installation

INFOID:000000010577266

REMOVAL

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



INSTALLATION

Install in the reverse order of removal.

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:0000000010577267

Engine	VQ37VHR	VK50VE
Type	80D23L	110D26L
20 hour rate capacity [V – Ah]	12 – 62	12 – 75
Cold cranking current (For reference value) [A]	582	720

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