

PG

SECTION

POWER SUPPLY, GROUND & CIRCUIT ELEMENTS

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BASIC INSPECTION

BATTERY

How to Handle Battery

INFOID:0000000009060910

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

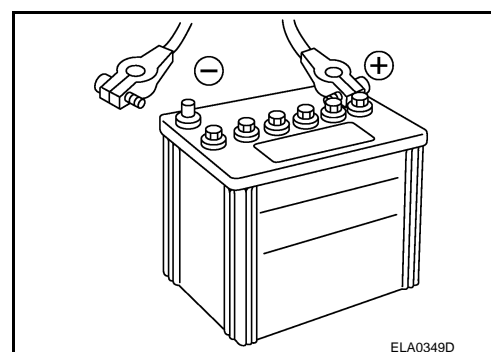
The following precautions must be taken to prevent over-discharging a battery.

- 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".



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- 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:

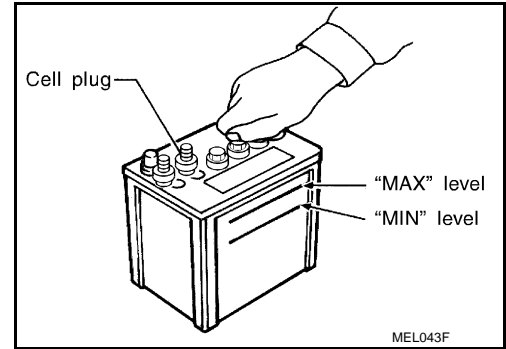
Never allow battery fluid to come in contact with skin, eyes, fabrics, or painted surfaces. After touching a battery, never touch or rub your eyes until you have thoroughly washed your hands. If acid contacts eyes, skin or clothing, immediately flush with water for 15 minutes and seek medical attention.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

BATTERY

< BASIC INSPECTION >

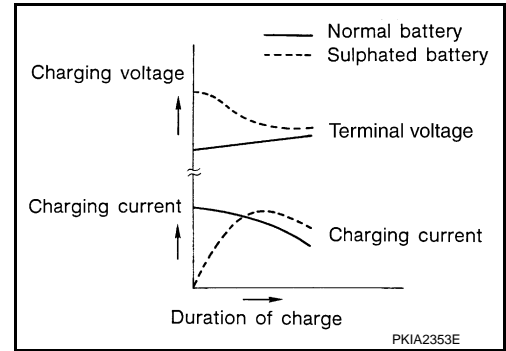
[POWER SUPPLY & GROUND CIRCUIT]

- 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.



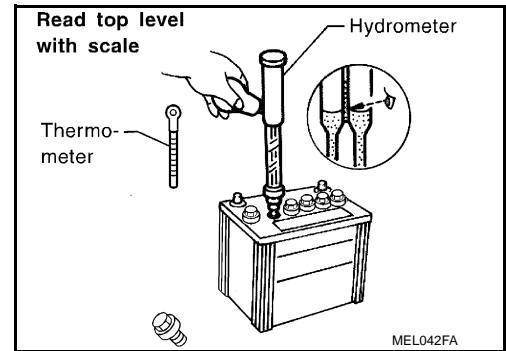
Specific Gravity Check

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)

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

Charging Rates (Quick Charge)

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

NOTE:

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

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

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

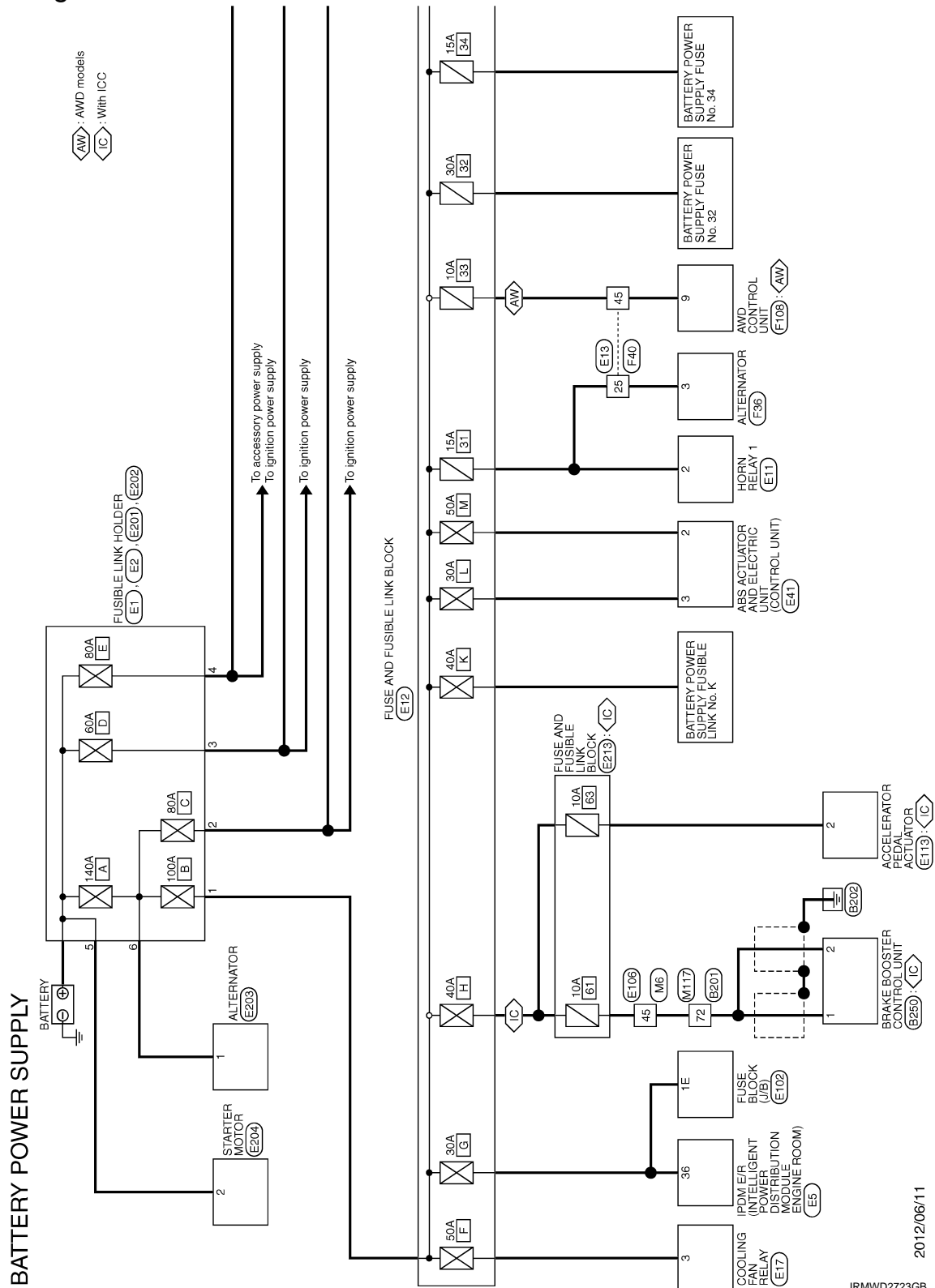
[POWER SUPPLY & GROUND CIRCUIT]

DTC/CIRCUIT DIAGNOSIS

POWER SUPPLY ROUTING CIRCUIT

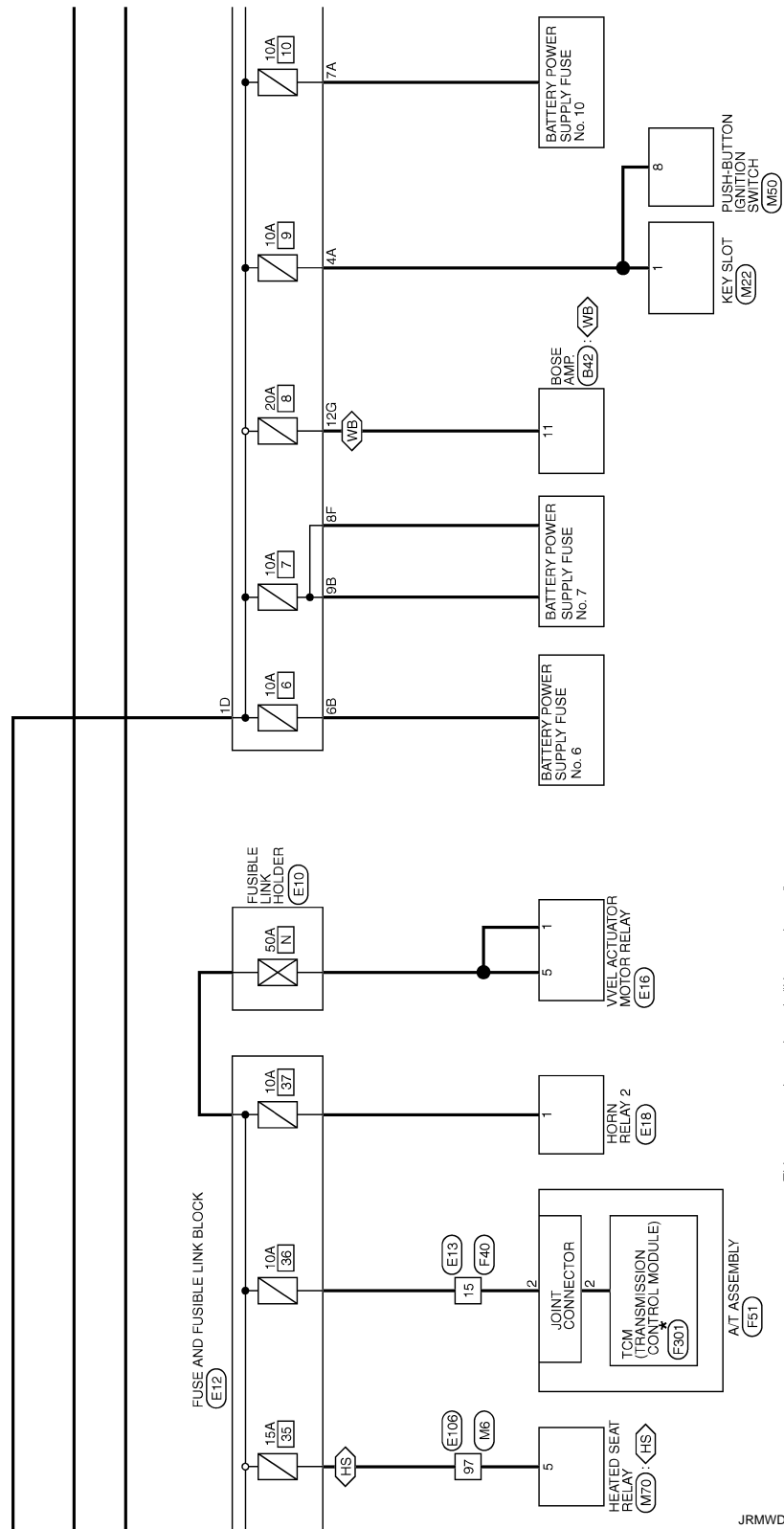
Wiring Diagram - BATTERY POWER SUPPLY -

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[POWER SUPPLY & GROUND CIRCUIT]

WB : With BOSE audio
HS : With heated seat



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

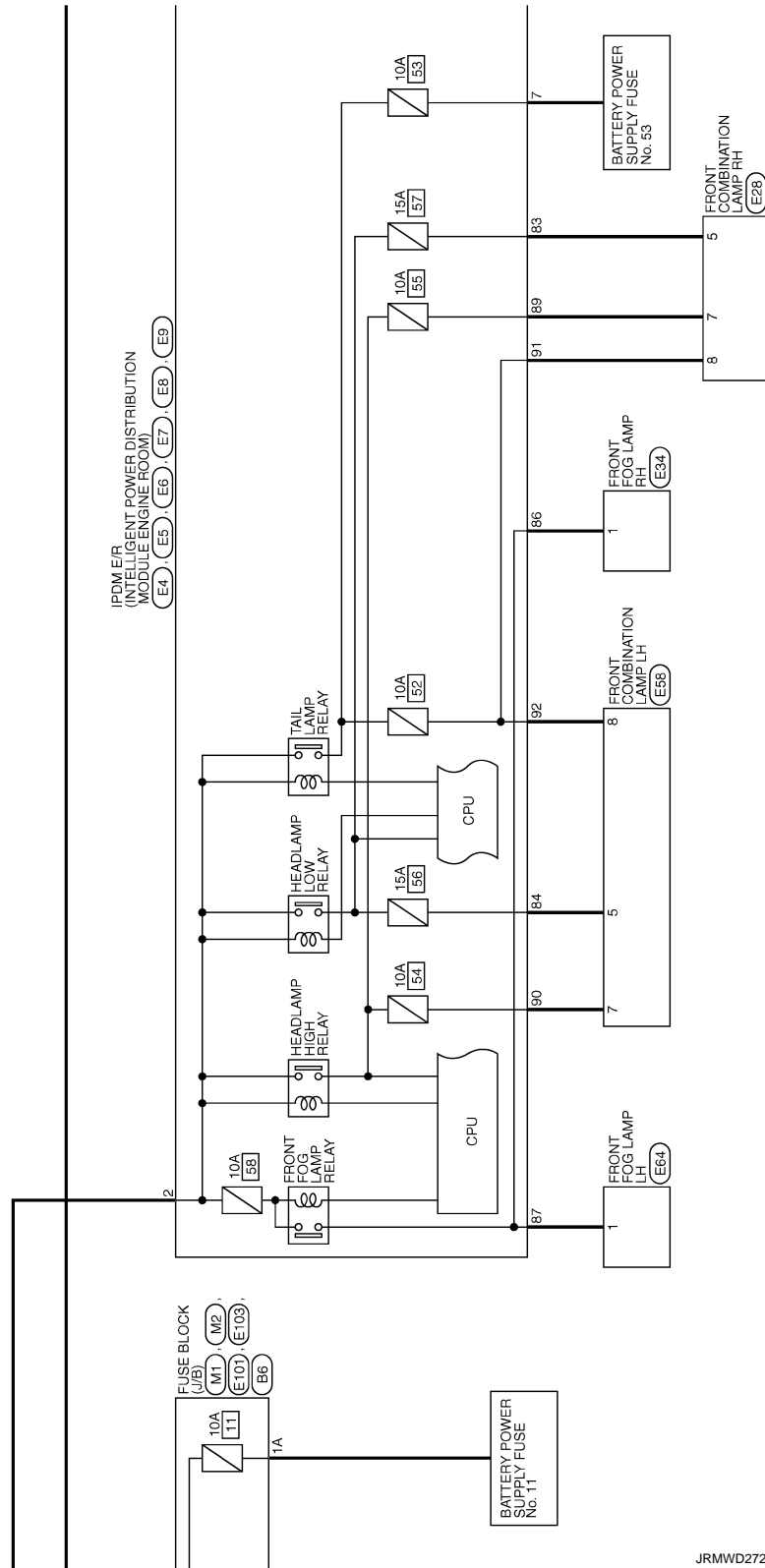
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A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
P

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

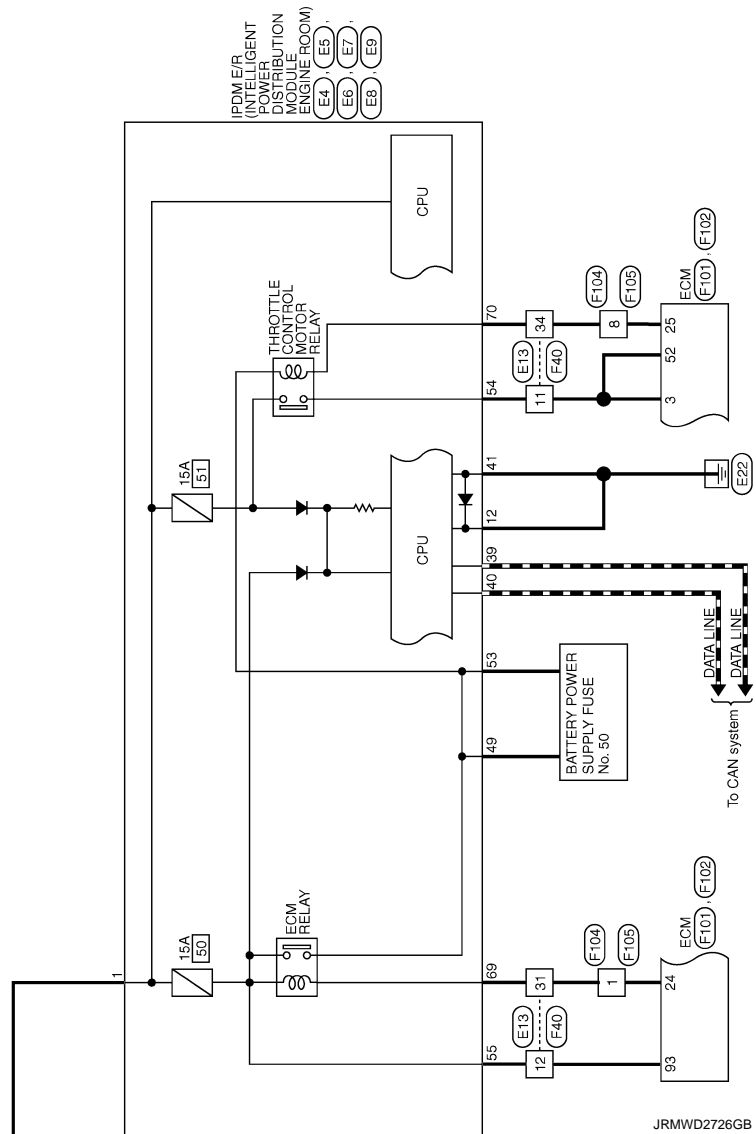


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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]



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

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY

Connector No.	B6
Connector Name	FUSE BLOCK (J/B)
Connector Type	INS12FBR-CS



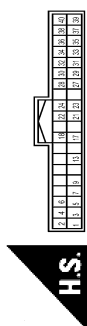
Terminal No.	Color Of Wire	Signal Name [Specification]
10G	W	-
11G	W	-
12G	GR	-
4G	R	-
5G	LG	-

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



Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	SOUND SIGNAL REAR DOOR SPEAKER LH (+)
2	SB	SOUND SIGNAL REAR DOOR SPEAKER RH (+)
3	V	SOUND SIGNAL FRONT DOOR SPEAKER LH (+)
4	B	SOUND SIGNAL FRONT DOOR SPEAKER RH (+)
5	P	SOUND SIGNAL FRONT SQUAWKER LH (+)
6	L	SOUND SIGNAL FRONT SQUAWKER RH (+)
7	W	SOUND SIGNAL FRONT DOOR SPEAKER LH (+)
8	LG	SOUND SIGNAL FRONT DOOR SPEAKER RH (+)
9	G	SOUND SIGNAL WOOFER AND REAR SQUAWKER (+)
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 WOOFER AND REAR SQUAWKER (+)

Connector No.	B46
Connector Name	AROUND VIEW MONITOR CONTROL UNIT
Connector Type	TH4UPW-NH



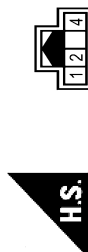
Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	GROUND
2	Y	BATTERY
3	P	IGNITION SIGNAL
4	GR	ACC
5	BG	ILLUMINATION SIGNAL
6	SB	VEHICLE SPEED SIGNAL (8-PULSE)
7	V	REVERSE SIGNAL
8	V	CONTROL SIGNAL
13	B	CONTROL SIGNAL
17	SB	AV COMM (H)
18	LG	AV COMM (L)
21	SB	AV COMM (H)
22	LG	AV COMM (L)
23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

Connector No.	B51
Connector Name	WOOFER
Connector Type	RS06GY-PR



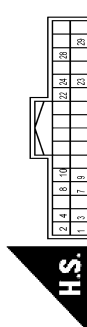
Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	SOUND SIGNAL WOOFER (-)
2	G	SOUND SIGNAL WOOFER (+)
4	GR	WOOFER AMP. ON SIGNAL
5	B	GROUND
6	V	BATTERY

Connector No.	B60
Connector Name	REAR COMBINATION LAMP LH
Connector Type	TH4AMW-NH



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

Connector No.	B87
Connector Name	TEL ADAPTER UNIT
Connector Type	TH52FW-NH



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

Connector No.	B201
Connector Name	WIRE TO WIRE
Connector Type	TH8UPW-CS16-TM4



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

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY

15	SS	-
16	V	-
17	BR	-
26	BR	-
27	L	-
28	Y	-
29	Y	-
30	GR	-
31	R	-
32	BR	-
33	G	-
51	R	-
55	G	-
56	R	-
57	W	-
58	B	-
59	SHIELD	-
60	LG	-
61	W	-
62	BR	-
63	P	-
64	G	-
65	G	-
66	P	-
67	L	-
68	SHIELD	-
69	V	-
70	Y	-
71	SS	-
72	W	-
73	BR	-
75	Y	-
80	V	-
81	SS	-
82	LG	-
83	P	-
84	R	-
85	L	-
86	BG	-
87	L	-
88	P	-
91	V	-
92	R	-
94	R	-
95	SS	-
96	G	-
97	G	-
98	R	-
99	P	-
100	L	-

Connector No.	B226
Connector Name	REAR SEATBACK POWER RETURN CONTROL UNIT
Connector Type	YAA16FW



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

Connector No.	B227
Connector Name	REAR SEATBACK POWER RETURN CONTROL UNIT
Connector Type	SEA16FW



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

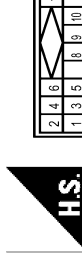
11	LG	POWER SUPPLY (LH SENSOR)
13	B	GND (POWER)
16	W	BAT (POWER)

Connector No.	B232
Connector Name	REAR COMBINATION LAMP RH
Connector Type	TH04MW-NH



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

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



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

Connector No.	B246
Connector Name	REAR SEATBACK RELEASE RELAY (LH)
Connector Type	MS02FL-M2-LC



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

Connector No.	B247
Connector Name	REAR SEATBACK RELEASE RELAY (RH)
Connector Type	MS02FL-M2-LC



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

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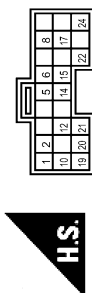
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY

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



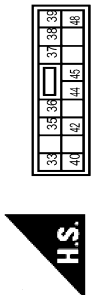
Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	BATTERY
2	W	BATTERY
5	P	ITS COM+L
6	SB	RELEASE SW PWR
8	R	BRAKE PRESSURE SEN PWR
10	G	BOOSTER SOL PWR
12	R	BOOSTER SOL GND
14	L	ITS COM+H
15	LG	RELEASE SW (NO)
17	L	BRAKE PRESSURE SEN SIGNAL
19	B	GROUND
20	B	GROUND
21	Y	CHIME SIGNAL
22	P	RELEASE SW (NO)
24	SG	BRAKE PRESSURE SEN GND

Connector No.	B253
Connector Name	EVAP CANISTER VENT CONTROL VALVE
Connector Type	EO2FB-RS



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

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



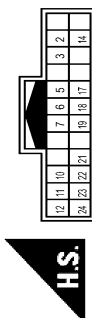
Terminal No.	Color Of Wire	Signal Name [Specification]
33	R	BAT (C/B)
35	WR	SLIDING MOTOR (FORWARD)
36	GY	RECLINING MOTOR (FORWARD)
37	GW	FRONT LIFTING MOTOR (DOWNWARD)
38	LY	REAR LIFTING MOTOR (UPWARD)
39	RY	REAR LIFTING MOTOR (BACKWARD)
40	PWR	BAT (L/USE)
42	W/B	SLIDING MOTOR (BACKWARD)
44	P	RECLINING MOTOR (BACKWARD)
45	LR	FRONT LIFTING MOTOR (UPWARD)
46	B	GND (POWER)

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



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

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



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

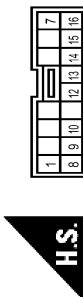
Connector No.	D5
Connector Name	SEAT MEMORY SWITCH
Connector Type	A08FW



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

5	R	-
6	O	-
7	P	-

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



Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
7	V	-
8	B	-
9	R	-
10	G	-
12	G	-
13	GR	-
14	P	-
15	O	-
16	O	-

Connector No.	D17
Connector Name	DOOR MIRROR REMOTE CONTROL SWITCH
Connector Type	TK16FBR



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

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY

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



H.S.

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

Connector No.	E2
Connector Name	FUSIBLE LINK HOLDER
Connector Type	L02FGR-MC



H.S.

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

Connector No.	E4
Connector Name	POWER INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	L02FBR-MC



H.S.

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

Connector No.	E5
Connector Name	POWER INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	TH02FW-CS12-M4-1V



H.S.

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

Connector No.	E6
Connector Name	POWER INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	TH08FW-NH



H.S.

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

Connector No.	E7
Connector Name	POWER INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	TH02FW-CS12-M4



H.S.

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

JRMWD8185GB

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POWER SUPPLY ROUTING CIRCUIT

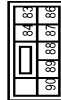
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[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY

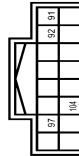
76	Y	-
77	R	-
80	W	-

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



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

Connector No.	E9
Connector Name	POWER (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	TH16FW-VNH



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

Connector No.	E10
Connector Name	FUSIBLE LINK HOLDER
Connector Type	24380_JL00A



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

Connector No.	E11
Connector Name	HORN RELAY 1
Connector Type	Relay_24381_7900A



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

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



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

Connector No.	E13
Connector Name	WIRE TO WIRE
Connector Type	SAA36MB-RS8-SH28



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

9	W	-
10	Y	-
11	P	-
12	SB	-
13	L	-
14	G	-
15	R	-
16	LG	-
18	Y	-
19	BG	-
20	B	-
21	SB	-
22	W	-
23	L	-
24	G	-
25	LG	-
27	GR	-
28	V	-
29	P	-
30	R	-
31	BR	-
32	Y	-
33	G	-
34	BG	-
37	SHIELD	-
38	L	-
39	P	-
40	R	-
41	W	-
42	LG	-
43	G	-
45	BG	-
46	SHIELD	-
47	W	-
48	BR	-
49	G	-
50	B	-
51	SB	-
52	R	-

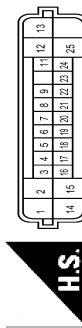
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

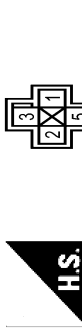
BATTERY POWER SUPPLY

Connector No.	E14
Connector Name	VVEL CONTROL MODULE
Connector Type	RH18FB-AJ28-RH



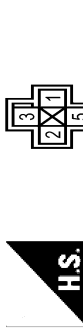
Terminal No.	Color Of Wire	Signal Name [Specification]
1	V	VVEL ACTUATOR MOTOR POWER SUPPLY (BANK 2)
2	L/B	VVEL ACTUATOR MOTOR (HIGH LIFT) (BANK 2)
3	G	VVEL CONTROL SHIF POSITION SENSOR 1 (BANK 1)
4	W	VVEL CONTROL SHIF POSITION SENSOR 2 (BANK 1)
5	R	VVEL CONTROL SHIF POSITION SENSOR 1 (BANK 2)
6	B	VVEL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

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



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

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



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

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



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

Connector No.	E28
Connector Name	FRONT COMBINATION LAMP RH
Connector Type	RS08FB-FR



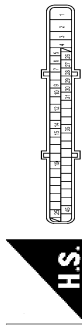
Terminal No.	Color Of Wire	Signal Name [Specification]
2	B	-
3	B/Y	-
4	BW	-
5	BG	-
6	V	-
7	BR	-
8	P	-

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



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

Connector No.	E41
Connector Name	ABS ACTUATOR AND ELECTRIC UNIT CONTROL UNIT
Connector Type	BA442FB-AJ24-LH



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

POWER SUPPLY ROUTING CIRCUIT

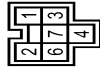
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[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY

30	SB	BLS
31	R	VDC OFF SW
35	L	CAN-H
45	B	BLS-H

Connector No.	E50
Connector Name	ICC BRAKE HOLD RELAY
Connector Type	M08FGY-R-US



H.S.

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

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



H.S.

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

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



H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
2	B	-
3	BY	-
4	BW	-
5	V	-
6	G	-
7	P	-
8	BG	-

Connector No.	E64
Connector Name	FRONT FOG LAMP LH
Connector Type	FH02FB



H.S.

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

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



H.S.

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

Connector No.	E102
Connector Name	FUSE BLOCK (J/B)
Connector Type	M02FBL-C



H.S.

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

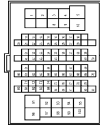
Connector No.	E103
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS16FW-CS



H.S.

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

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



H.S.

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

JRMWDB188GB

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY

32	W	-
33	B	-
34	R	-
35	G	-
36	SHIELD	-
37	V	-
38	BR	-
39	BG	-
40	LG	-
41	W	-
42	G	-
43	BR	-
44	W	-
45	W	-
46	L	-
47	P	-
48	L	-
49	L	-
50	P	-
51	L	-
52	BG	-
53	BR	-
54	W	-
55	LG	-
56	G	-
57	SB	-
58	W	-
59	B	-
60	G	-
61	R	-
62	SHIELD	-
63	Y	-
64	LG	-
65	W	-
66	R	-
67	Y	-
68	Y	-
69	LG	-
70	W	-
71	R	-
72	Y	-
73	B	-
74	BR	- [With ICG]
75	L	- [Without ICG]
76	G	- [With ICG]
77	W	- [Without ICG]
78	W	- [With ICG]
79	P	- [Without ICG]
80	R	- [With ICG]
81	BR	- [Without ICG]
82	L	- [With ICG]
83	W	- [Without ICG]
84	Y	- [With ICG]
85	SB	-
86	R	-
87	S	-
88	BG	-
89	G	-
90	L	-

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

Connector No.	E10
Connector Name	STOP LAMP SWITCH
Connector Type	MG4FW-LC



H.S.

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

Connector No.	E13
Connector Name	ACCELERATOR PEDAL ACTUATOR
Connector Type	KDZ08FB



H.S.

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

Connector No.	E201
Connector Name	FUSIBLE LINK HOLDER
Connector Type	24340_79908



H.S.

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

Connector No.	E202
Connector Name	FUSIBLE LINK HOLDER
Connector Type	24340_79905



H.S.

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

Connector No.	E203
Connector Name	ALTERNATOR
Connector Type	24340_65F45



H.S.

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

Connector No.	E204
Connector Name	STARTER MOTOR
Connector Type	24348_51E61



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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY

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

Connector No.	Signal Name [Specification]
E213	FUSE AND FUSIBLE LINK BLOCK
24380_CF000	



H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
51	BG	-
53	W	-

Connector No.	Signal Name [Specification]
E02FL-RS-LGY	



H.S.

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

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



H.S.

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

Connector No.	Signal Name [Specification]
F11	
ED9GY-RS	



H.S.

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

Connector No.	Signal Name [Specification]
F12	
ED9GY-RS	



H.S.

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

Connector No.	Signal Name [Specification]
F13	
ED9GY-RS	



H.S.

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

Connector No.	Signal Name [Specification]
F14	
ED9GY-RS	



H.S.

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

Connector No.	Signal Name [Specification]
F15	
ED9GY-RS	



H.S.

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

JRMWD8190GB

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY

Connector No.	F16
Connector Name	IGNITION COIL NO. 6 (WITH POWER TRANSISTOR)
Connector Type	ED3FGY-RS



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

Connector No.	F28
Connector Name	IGNITION COIL NO. 6 (WITH POWER TRANSISTOR)
Connector Type	ED3FGY-RS-LGY



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

Connector No.	F29
Connector Name	INTAKE VALVE TIMING CONTROL SOLENOID VALVE (BANK 2)
Connector Type	ED2FG-RS-LGY



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

Connector No.	F31
Connector Name	MASS AIR FLOW SENSOR (BANK 1)
Connector Type	RH06FB



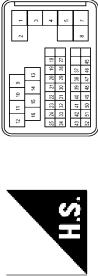
Terminal No.	Wire	Signal Name [Specification]
1	B	-
2	P	-
3	SB	-
4	LG	-
5	Y	-

Connector No.	F36
Connector Name	ALTERNATOR
Connector Type	HS03FB



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

Connector No.	F40
Connector Name	WIRE TO WIRE
Connector Type	SA439FB-RS-SH28



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

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

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



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

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY

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



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

Connector No.	F101
Connector Name	ECM
Connector Type	RH40FB-RZB-LLHZ



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	A/F SENSOR 1 HEATER (BANK 1)
2	G	THROTTLE CONTROL MOTOR (BANK 1) (OPEN)
3	R	THROTTLE CONTROL MOTOR RELAY POWER SUPPLY (BANK 1)
4	BR	THROTTLE CONTROL MOTOR (BANK 1) (CLOSE)
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	IVT CONTROL SOLENOID VALVE (BANK 1)
19	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	THROTTLE CONTROL MOTOR RELAY
28	BR	VEH. ACTUATOR RELAY (BANK 1) (OVER CONTROL MODULE)
29	G	IVT CONTROL SOLENOID VALVE (BANK 2)
30	Y	THROTTLE POSITION SENSOR 1 (BANK 1)
31	R	THROTTLE POSITION SENSOR 1 (BANK 2)
33	SB	HEATED OXYGEN SENSOR 2 HEATER (BANK 2)
34	B	THROTTLE POSITION SENSOR 2 (BANK 1)
35	W	THROTTLE POSITION SENSOR 2 (BANK 2)
36	O	SENSOR GROUND
37	W	CRANKSHAFT POSITION SENSOR (POS)
38	O	MANFOLD ABSOLUTE PRESSURE (MAP) SENSOR
39	P	BRAKE BOOSTER PRESSURE SENSOR
40	R	SENSOR GROUND
43	G	SENSOR POWER SUPPLY
44	L	SENSOR POWER SUPPLY
45	LG	SENSOR POWER SUPPLY
46	R	SENSOR POWER SUPPLY
47	Y	SENSOR GROUND
48	B	SENSOR GROUND

Connector No.	F102
Connector Name	ECM
Connector Type	RH40FBR-RZB-L-LH-Z



Terminal No.	Color Of 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 (OVER CONTROL MODULE)
55	LG	CAN COMMUNICATION LINE (OVER CONTROL MODULE)
57	L	A/F SENSOR 1 (BANK 1)
59	O	CAMSHAFT POSITION SENSOR (PHASE) (BANK 1)

60	G	SENSOR POWER SUPPLY
61	R	A/F SENSOR 1 (BANK 1)
63	L	CAMSHAFT POSITION SENSOR (PHASE) (BANK 2)
64	SB	SENSOR POWER SUPPLY
65	LG	A/F SENSOR 1 (BANK 2)
66	V	A/F SENSOR 1 (BANK 2)
67	P	INTAKE AIR TEMPERATURE SENSOR
68	LG	SENSOR GROUND
69	W	KNOCK SENSOR (BANK 2)
71	Y	ENGINE COOLANT TEMPERATURE SENSOR
72	SHIELD	SENSOR GROUND
73	W	KNOCK SENSOR (BANK 1)
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.	F104
Connector Name	WIRE TO WIRE
Connector Type	TH88FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	P	SENSOR GROUND
2	V	SENSOR GROUND
3	L	SENSOR GROUND

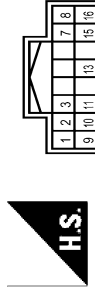
4	Y	-
6	GR	-
7	R	-
8	O	-

Connector No.	F105
Connector Name	WIRE TO WIRE
Connector Type	TH88MW-NH



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

Connector No.	F108
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	G	IGN
8	L	CANH
9	O	AWD SOL BATT
10	B	GROUND

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY

Terminal No.	Wire	Signal Name [Specification]
11	GR	GROUND
13	LG	FLUID TEMP (+)
15	Y	BATTERY
16	P	CANL

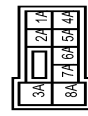
Connector No.	F301
Connector Name	TCM (TRANSMISSION CONTROL MODULE)
Connector Type	SPT0FG



H.S.

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

Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS06RW-M2

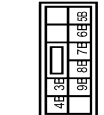


H.S.

Terminal No.	Wire	Signal Name [Specification]
1A	GR	-
2A	LG	-
3A	L	-
4A	P	-

Terminal No.	Wire	Signal Name [Specification]
5A	V	-
6A	Y	-
7A	R	-
8A	L	-

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



H.S.

Terminal No.	Wire	Signal Name [Specification]
31	L	-
32	G	-
33	B	-
34	W	-
35	R	-
36	Y	-
37	V	-
38	BG	-
39	BR	-
40	W	-
41	W	-
42	BG	-
43	BG	-
44	L	-
45	P	-
46	Y	-
47	G	-
48	W	-
49	L	-
50	P	-
51	BR	-
52	G	-
53	W	-
54	Y	-
55	W	-
56	L	-
57	G	-
58	L	-
59	G	-
60	L	-
61	G	-
62	SB	-
63	G	-
64	B	-
65	W	-
66	R	-
67	SHIELD	-
68	Y	-
69	GR	-
70	LG	-
71	LG	-
72	Y	-

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

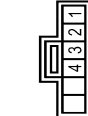


H.S.

Terminal No.	Wire	Signal Name [Specification]
1	W	-
2	R	-
3	B	-
4	SHIELD	-
5	G	-
6	Y	-
7	BR	-

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

Connector No.	MT9
Connector Name	VDC OFF SWITCH
Connector Type	TK08FGY



H.S.

JRMWDB193GB

POWER SUPPLY ROUTING CIRCUIT

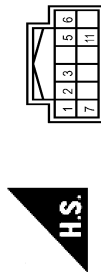
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY

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

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



H.S.

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

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

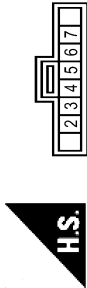


H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
3	LG	-
4	B	-
5	B	-
6	L	-
7	V	-

8	G	-
11	SB	-
14	P	-
16	Y	-

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



H.S.

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

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



H.S.

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

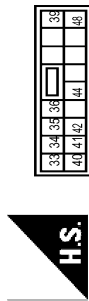
Connector No.	M50
Connector Name	PUSH-BUTTON IGNITION SWITCH
Connector Type	TK08FBR



H.S.

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

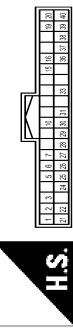
Connector No.	M52
Connector Name	AUTOMATIC DRIVE POSITIONER CONTROL UNIT
Connector Type	NS16FW-CS



H.S.

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

Connector No.	M53
Connector Name	COMBINATION METER
Connector Type	TH04FW-NH



H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	BATTERY POWER SUPPLY
2	LG	COMMUNICATION SIGNAL (METER-AMP)
3	GR	COMMUNICATION SIGNAL (AMP-METER)
5	B	GROUND
6	P	ALTERNATOR SIGNAL
7	BR	AIR BAG SIGNAL
10	G	SECURITY SIGNAL
15	B	GROUND
16	B	METER CONTROL SWITCH GROUND
19	B	ILL GND
20	R	ILL
21	BG	IGNITION SIGNAL
22	B	GROUND
24	BR	COMMUNICATION SIGNAL (LCD-AMP)
25	Y	COMMUNICATION SIGNAL (LCD-LCD)
26	R	VEHICLE SPEED SIGNAL (8PULSE)
27	V	PARKING BRAKE SWITCH SIGNAL
28	W	BRAKE FLUID LEVEL SWITCH SIGNAL
29	SB	SEAT BELT BUCKLE SWITCH SIGNAL (DRIVER SIDE)
30	G	SEAT BELT BUCKLE SWITCH SIGNAL (PASSENGER SIDE)
31	L	WASHER LEVEL SWITCH SIGNAL
33	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 (1)
40	BG	ILLUMINATION CONTROL SWITCH SIGNAL (1)

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY

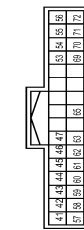
Connector No.	M62
Connector Name	CIRCUIT BREAKER
Connector Type	M02FW-P-LC



H.S.

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

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

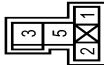


H.S.

Terminal No.	Wire	Signal Name [Specification]
41	V	ACC POWER SUPPLY
42	Y	FUEL LEVEL SENSOR SIGNAL
43	R	INTAKE SENSOR SIGNAL
44	LG	IN-VEHICLE SENSOR SIGNAL
45	P	AMBIENT SENSOR SIGNAL
46	BG	SUNLOAD SENSOR SIGNAL
47	G	EXHAUST GAS (OUTSIDE COOL) DETECTING SENSOR SIGNAL
53	G	IGNITION POWER SUPPLY
54	Y	BATTERY POWER SUPPLY
55	B	GROUND
56	L	CANH
57	W	BRAKE FLUID LEVEL SWITCH SIGNAL
58	BR	FUEL LEVEL SENSOR GROUND
59	GR	INTAKE SENSOR GROUND
60	L	IN-VEHICLE SENSOR GROUND
61	BR	AMBIENT SENSOR GROUND
62	SS	SUNLOAD SENSOR GROUND
63	R	-

65	BG	ECV SIGNAL
69	L	A/C LAN SIGNAL
70	R	EACH DOOR MOTOR POWER SUPPLY
71	B	GROUND
72	P	CANH

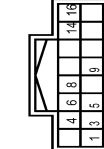
Connector No.	M70
Connector Name	HEATED SEAT RELAY
Connector Type	MS02FL-MZ-LC



H.S.

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

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



H.S.

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

Connector No.	M74
Connector Name	CLOCK
Connector Type	TH04FW-NH



H.S.

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

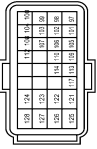
Connector No.	M702
Connector Name	GLOVE BOX LAMP
Connector Type	A02FW



H.S.

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

Connector No.	M107
Connector Name	ECM
Connector Type	RM24FGY-RZ8-R-LH-Z



H.S.

Terminal No.	Wire	Signal Name [Specification]
97	R	ACCELERATOR PEDAL POSITION SENSOR 1
98	P	ACCELERATOR PEDAL POSITION SENSOR 2 (W/OUT ICC)
98	Y	ACCELERATOR PEDAL POSITION SENSOR 2 (W/OUT ICC)
99	G	SENSOR POWER SUPPLY (W/OUT ICC)
99	L	SENSOR POWER SUPPLY (W/OUT ICC)
100	W	SENSOR GROUND
100	W	SENSOR GROUND
101	SB	ASCD/CC STEERING SWITCH
102	LG	EVAP CONTROL SYSTEM PRESS SENSOR
103	G	SENSOR POWER SUPPLY (W/OUT ICC)
103	L	SENSOR POWER SUPPLY (W/OUT ICC)
104	BR	SENSOR GROUND (W/OUT ICC)
104	GR	SENSOR GROUND (W/OUT ICC)
105	L	REFRIGERANT PRESS SENSOR
106	W	FUEL TANK TEMPERATURE SENSOR
107	BG	SENSOR POWER SUPPLY
108	Y	SENSOR GROUND
109	G	PNP SIGNAL
110	R	ENGINE SPEED OUTPUT SIGNAL
112	V	SENSOR GROUND
113	P	CAN COMMUNICATION LINE
114	L	CAN COMMUNICATION LINE
117	V	DATA LINK CONNECTOR
121	LG	EVAP CANISTER VENT CONTROL VALVE
122	P	STOP LAMP SWITCH
123	B	ECM GROUND
124	B	ECM GROUND
125	R	POWER SUPPLY FOR ECM
126	BR	ASCD/CC BRAKE SWITCH
127	B	ECM GROUND
128	B	ECM GROUND

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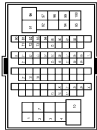
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY

Connector No.	MT17
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4



H.S.

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

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

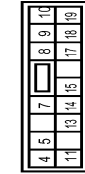
Connector No.	MT18
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	MO3FBL-C



H.S.

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

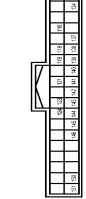
Connector No.	MT19
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	NS16FW-CS



H.S.

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

Connector No.	MT23
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FG-NH



H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
113	P	OPTICAL SENSOR
116	SB	STOP LAMP SW 1
118	P	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	BR	POWER WINDOW SW COM1
133	W	PUSH-BUTTON IGNITION SW ILL POWER
134	GR	LOCK IND
137	BG	RECEIVER/SENSOR GND
138	Y	RECEIVER/SENSOR POWER SUPPLY
139	L	TIRE PRESSURE RECEIVER COM1
140	GR	SHIFT NIP
141	G	SECURITY IND LAMP CONT
142	BG	COMBI SW OUTPUT 5
143	P	COMBI SW OUTPUT 1
144	G	COMBI SW OUTPUT 2
145	L	COMBI SW OUTPUT 3
146	SB	COMBI SW OUTPUT 4
150	LG	DRIVER DOOR SW
151	G	REAR WINDOW DEFROGGER RELAY CONT

Connector No.	MT32
Connector Name	FRONT POWER SOCKET
Connector Type	NS03FW-CS



H.S.

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

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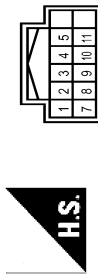
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

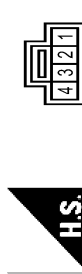
BATTERY POWER SUPPLY

Connector No.	M137
Connector Name	AT SHIFT SELECTOR
Connector Type	TH12FV-AH



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

Connector No.	M174
Connector Name	POWER RETURN SWITCH (LH)
Connector Type	TK04FW



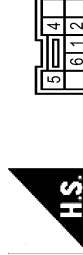
Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
2	BR	-
3	R	-
4	B	-

Connector No.	M175
Connector Name	POWER RETURN SWITCH (RH)
Connector Type	TK04FW-B



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

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



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

Connector No.	M177
Connector Name	HEATED SEAT SWITCH (DRIVER SIDE)
Connector Type	TK10FW



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

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



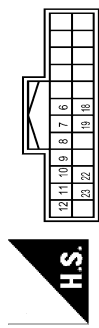
Terminal No.	Color Of Wire	Signal Name [Specification]
1	SB	-
2	GR	-
3	R	-
4	W	-
5	W	-
6	B	-

Connector No.	M187
Connector Name	BA OFF SWITCH
Connector Type	TK08FGY



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

Connector No.	M185
Connector Name	DISPLAY UNIT
Connector Type	TH24FW-AH



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

JRMWD8197GB

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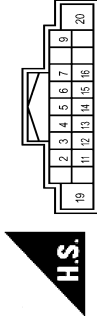
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

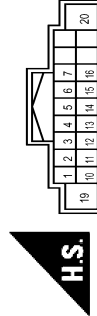
BATTERY POWER SUPPLY

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



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

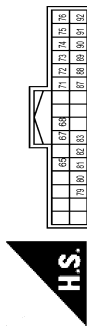
Connector No.	M208
Connector Name	AV CONTROL UNIT
Connector Type	TH18FW-CS2



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

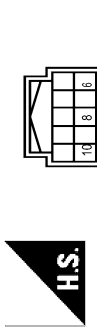
6	P	STRG SW A
7	V	ACC
10	B	SHIELD
11	P	SOUND SIGNAL FRONT RH (+)
12	L	SOUND SIGNAL FRONT RH (-)
13	V	SOUND SIGNAL REAR RH (+)
14	LG	SOUND SIGNAL REAR RH (-)
15	B	STRG SW GND
16	L	STRG SW B
19	Y	BATTERY
20	B	GROUND

Connector No.	M210
Connector Name	AV CONTROL UNIT
Connector Type	TH22FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
65	V	PARKING BRAKE SIGNAL
67	G	COMPOSITE IMAGE SIGNAL GND
68	R	COMPOSITE IMAGE SIGNAL
71	SHIELD	MICROPHONE SHIELD
72	R	MICROPHONE VCC
73	R	COMM (CONT-DISP)
74	P	CANL
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)
83	SHIELD	SHIELD
87	G	MICROPHONE SIGNAL
88	SHIELD	SHIELD
89	G	COMM (DISP-CONT)
90	L	CANH
91	SB	AV COMM (H)
92	SB	AV COMM (H)

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



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

POWER SUPPLY ROUTING CIRCUIT

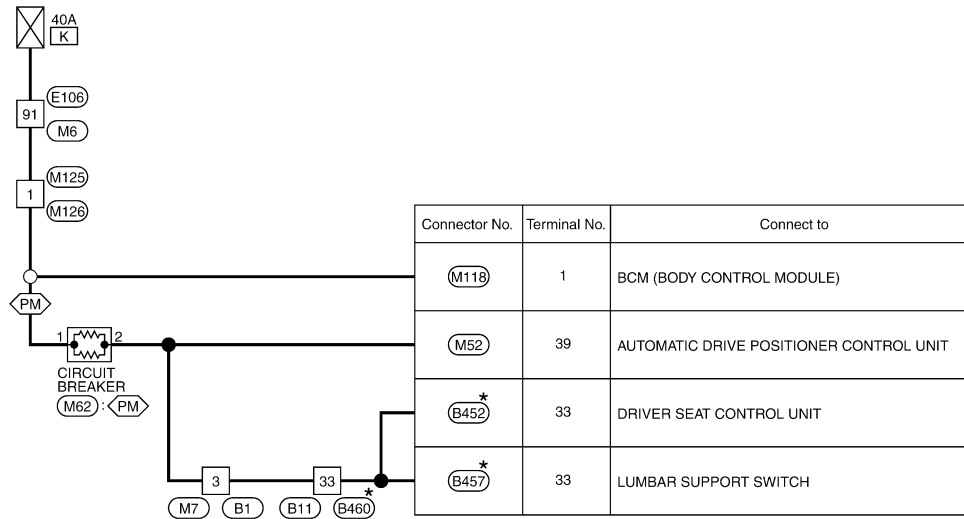
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[POWER SUPPLY & GROUND CIRCUIT]

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

INFOID:000000009060913

◁PM▷: With automatic drive positioner



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

2013/02/11

JRMWD7849GB

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

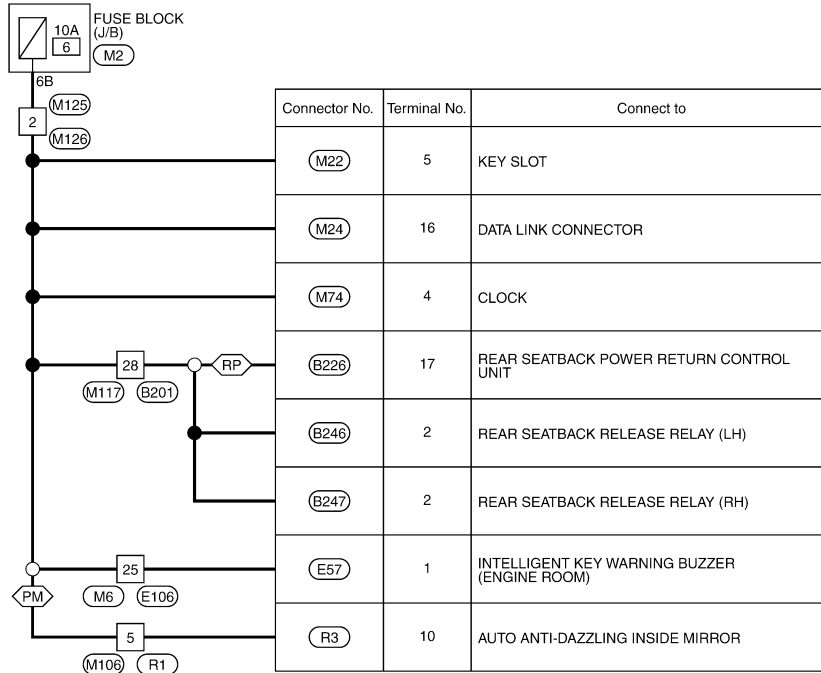
[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 6 -

INFOID:000000009060914

BATTERY POWER SUPPLY FUSE No. 6

PM : With automatic drive positioner
RP : With rear seatback power return system



2013/02/11

JRMWD7850GB

POWER SUPPLY ROUTING CIRCUIT

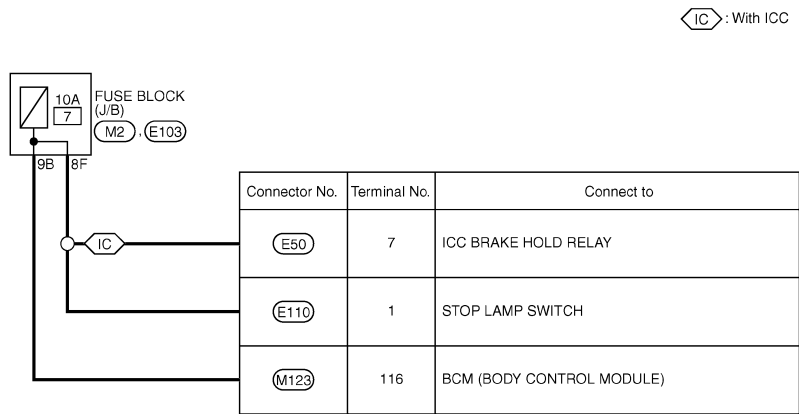
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[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 7 -

INFOID:000000009060915

BATTERY POWER SUPPLY FUSE No. 7



2008/08/28

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

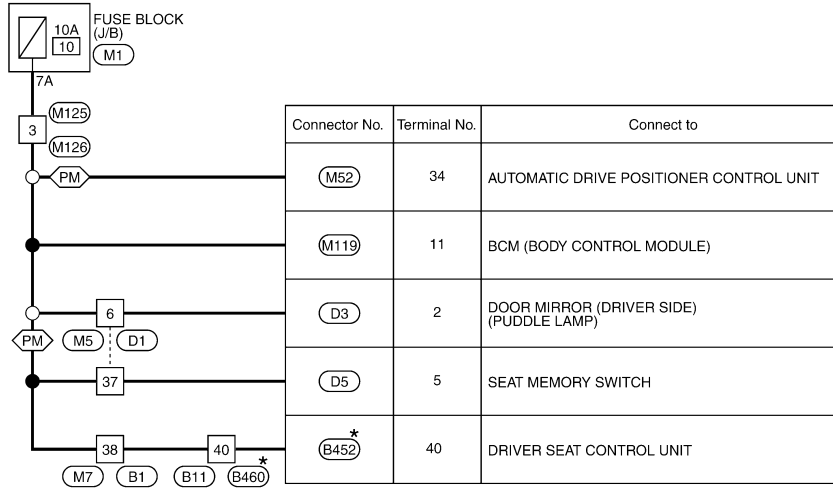
[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 10 -

INFOID:000000009060916

BATTERY POWER SUPPLY FUSE No. 10

PM : With automatic drive positioner



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

2013/02/11

JRMWD7851GB


POWER SUPPLY ROUTING CIRCUIT

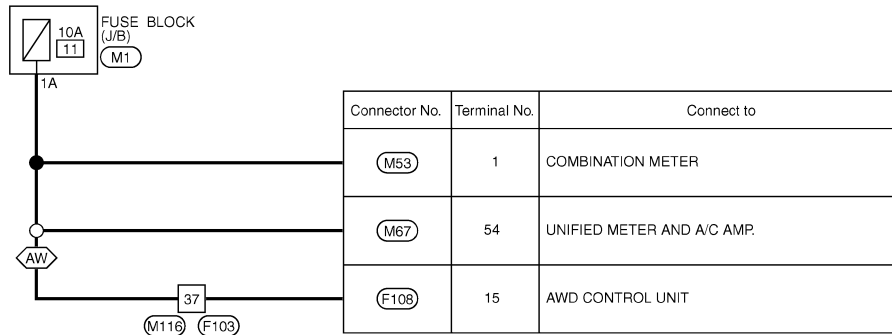
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 11 - BATTERY POWER SUPPLY FUSE No. 11

INFOID:000000009060917

 : AWD models



2010/09/21

JCMWA6223GB

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

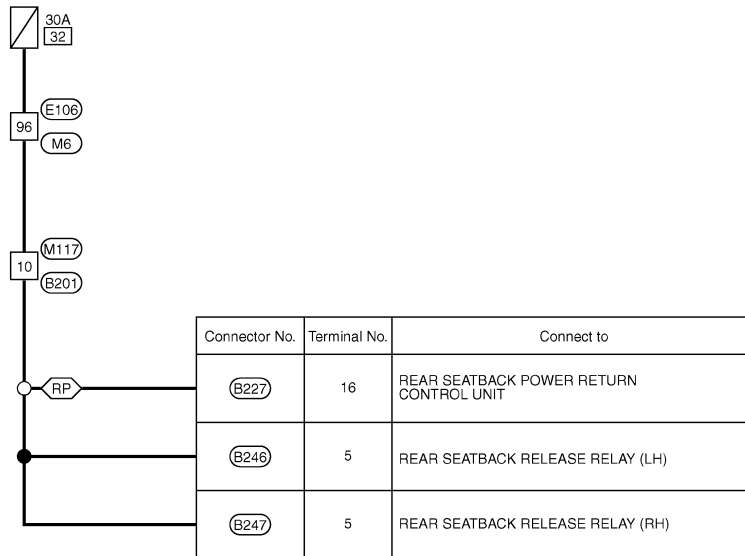
[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 32 -

INFOID:000000009060918

BATTERY POWER SUPPLY FUSE No. 32

RP: With rear seatback power return system



2008/08/28

JCMWA3167GB

POWER SUPPLY ROUTING CIRCUIT

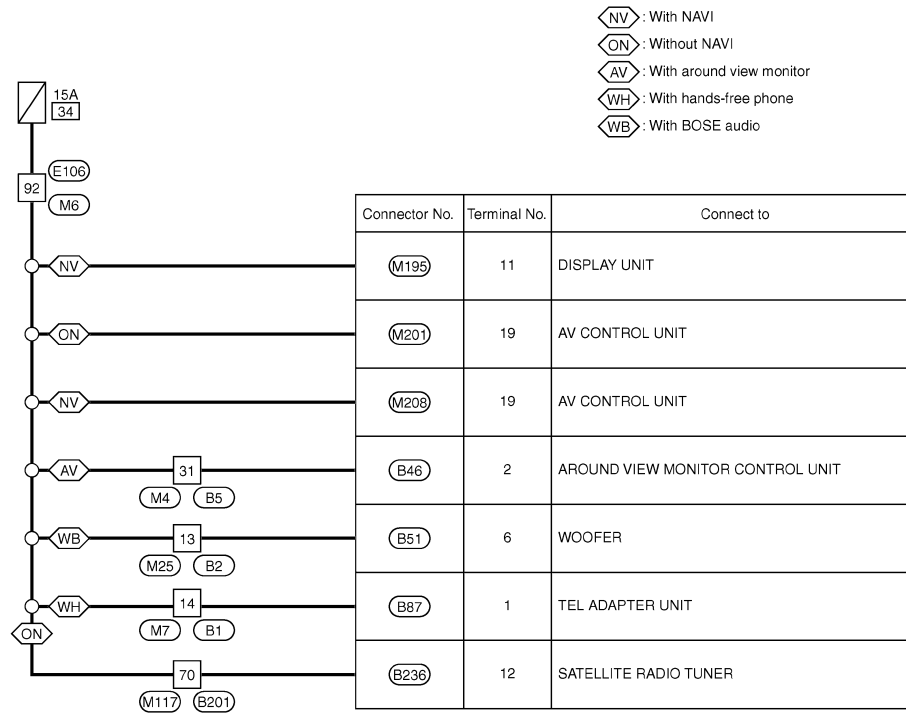
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 34 -

INFOID:000000009060919

BATTERY POWER SUPPLY FUSE No. 34



2009/07/16

JCMWA4881GB

POWER SUPPLY ROUTING CIRCUIT

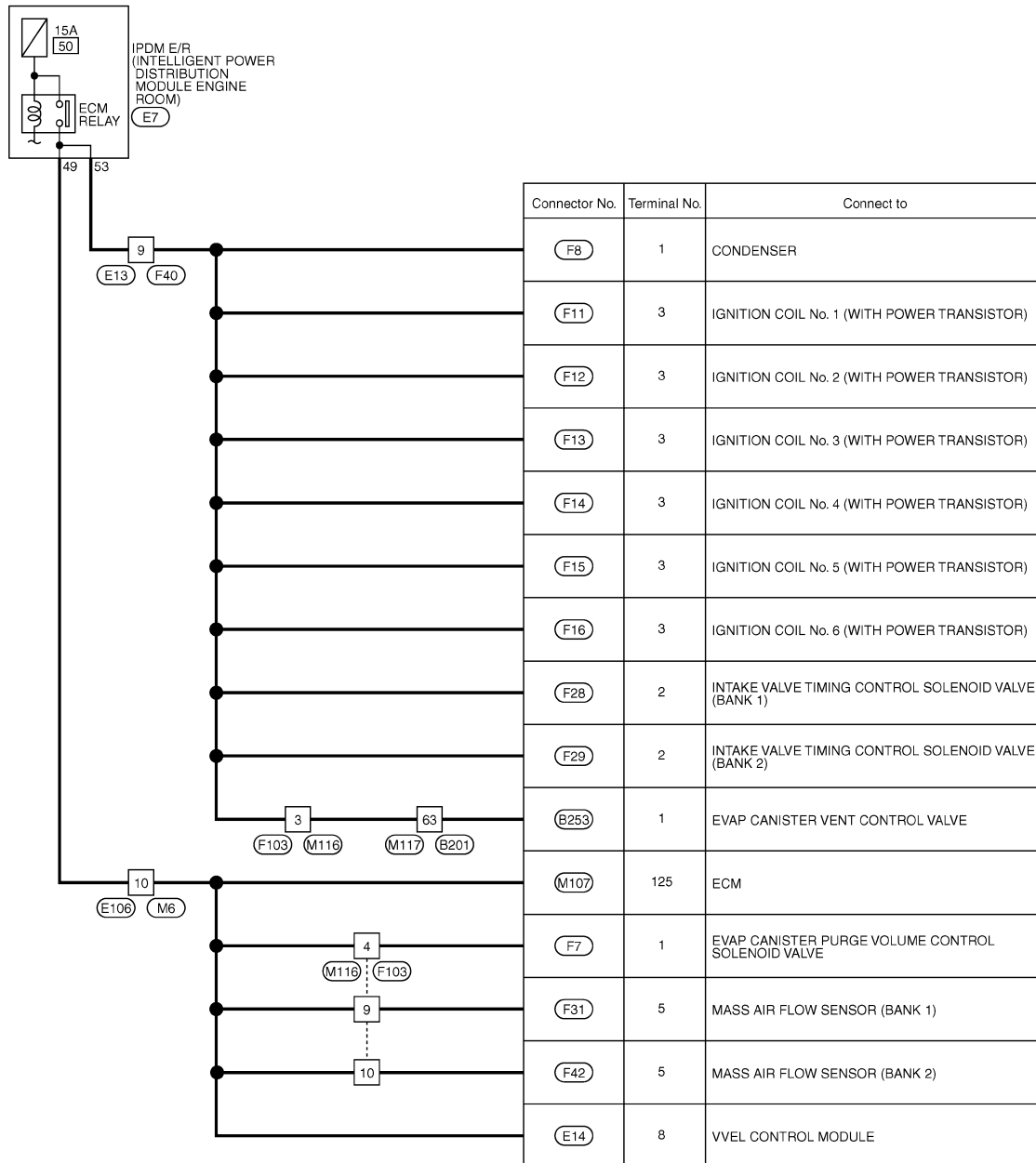
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[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 50 -

INFOID:000000009060920

BATTERY POWER SUPPLY FUSE No. 50



2012/06/11

JRMWD2729GB

POWER SUPPLY ROUTING CIRCUIT

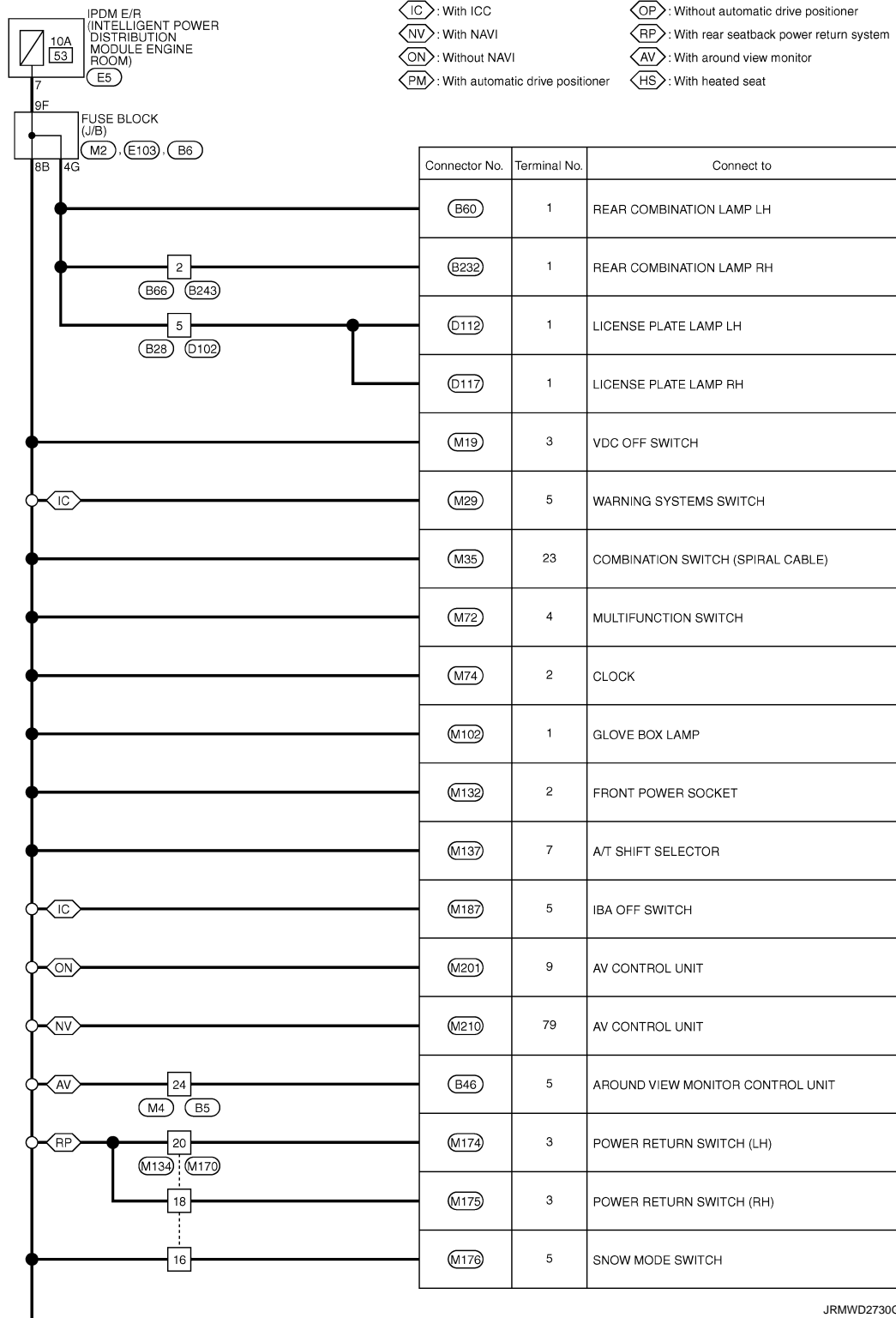
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 53 -

INFOID:000000009060921

BATTERY POWER SUPPLY FUSE No. 53



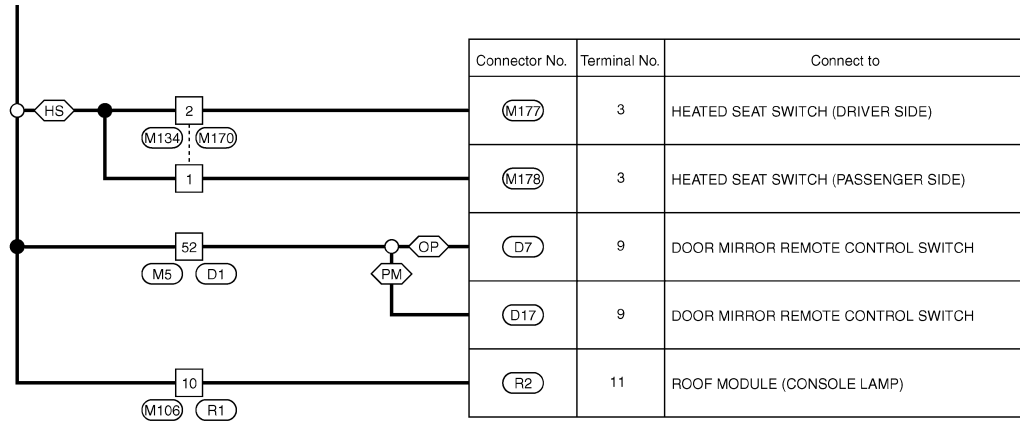
JRMWD2730GB

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]



2012/06/11

JRMWD2731GB

POWER SUPPLY ROUTING CIRCUIT

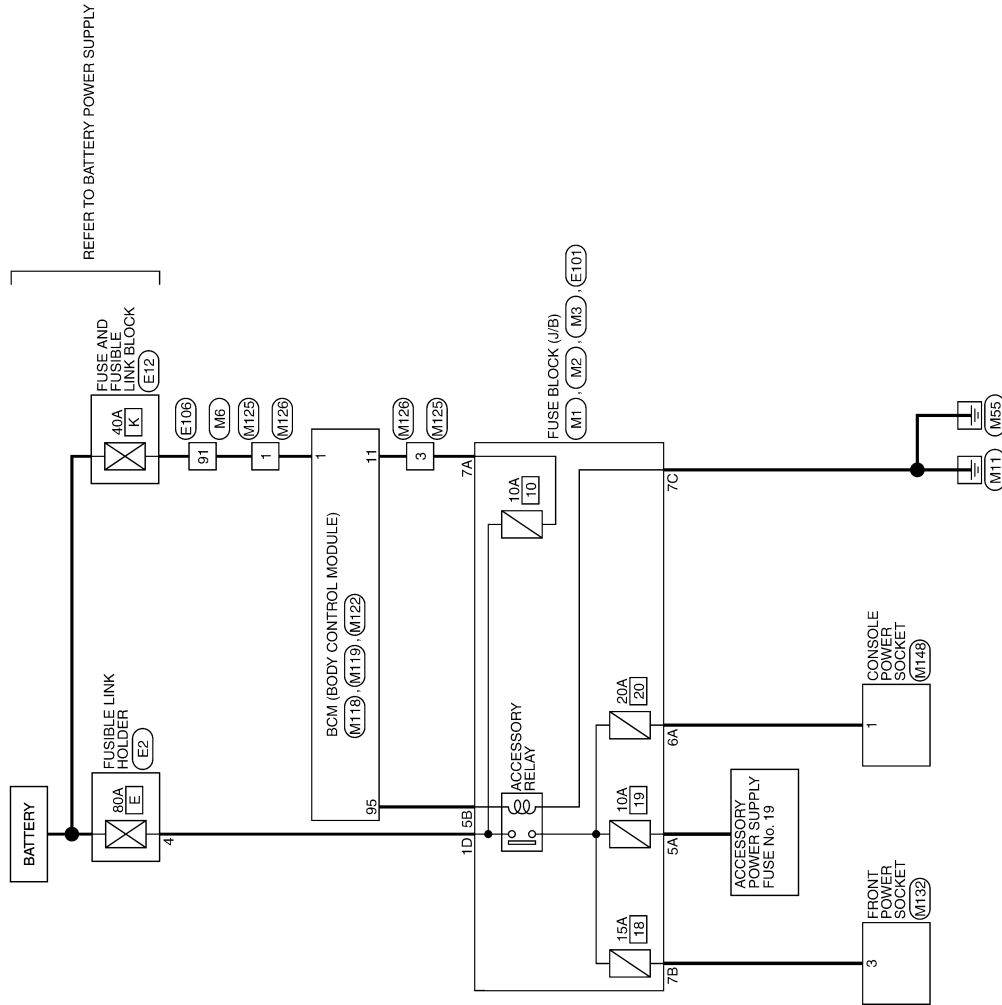
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - ACCESSORY POWER SUPPLY -

INFOID:000000009060922

ACCESSORY POWER SUPPLY



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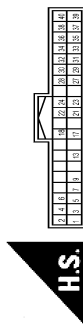
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

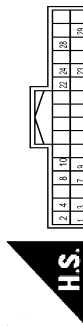
ACCESSORY POWER SUPPLY

Connector No.	B46
Connector Name	AROUND VIEW MONITOR CONTROL UNIT
Connector Type	TH40FV-AH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	GROUND
2	Y	BATTERY
3	P	IGNITION SIGNAL
4	GR	ACC
5	BG	ILLUMINATION SIGNAL
6	SB	VEHICLE SPEED SIGNAL (8-PULSE)
7	V	REVERSE SIGNAL
8	B	CONTROL SIGNAL
9	SB	AV COMM (H)
10	LG	AV COMM (L)
11	SB	AV COMM (H)
12	LG	AV COMM (L)
13	G	-
14	W	CAMERA IMAGE SIGNAL
15	SHIELD	CAMERA IMAGE SIGNAL GND
16	Y	SIDE CAMERA RH IMAGE SIGNAL
17	G	SIDE CAMERA RH IMAGE GND
18	SHIELD	SIDE CAMERA RH GND
19	B	SIDE CAMERA RH COMM
20	W	SIDE CAMERA RH POWER SUPPLY
21	L	REAR CAMERA COMM
22	BR	REAR CAMERA POWER SUPPLY
23	SHIELD	SHIELD
24	R	REAR CAMERA GND
25	Y	REAR CAMERA IMAGE SIGNAL
26	W	REAR CAMERA IMAGE GND

Connector No.	B87
Connector Name	TEL ADAPTER UNIT
Connector Type	TH82FV-AH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	BATTERY
2	LG	ACC
3	W	IGNITION SIGNAL
4	B	GROUND
5	BR	MICROPHONE SIGNAL
6	SHIELD	MICROPHONE GND
7	SHIELD	TEL VOICE SIGNAL (+)
8	W	TEL VOICE SIGNAL (-)
9	B	CONTROL SIGNAL
10	B	CONTROL SIGNAL
11	B	CONTROL SIGNAL
12	B	VEHICLE SPEED (8-PULSE)
13	Y	MICROPHONE VCC

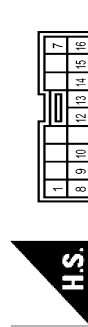
Connector No.	B236
Connector Name	SATELLITE RADIO TUNER
Connector Type	A18FW



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

8	L	REQUEST (SAT-CONT)
9	P	COMM (SAT-CONT)
10	G	COMM (CONT-SAT)
12	Y	BATTERY
16	V	ACC

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



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

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



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

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



Terminal No.	Color Of Wire	Signal Name [Specification]
31	LG	-
32	P	-
33	BG	-
34	Y	-
35	R	-
36	R	-
37	BR	-
38	F	-
39	G	-
40	H	-
41	K	-
42	L	-
43	M	-

JRMWD8199GB

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

ACCESSORY POWER SUPPLY

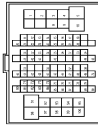
Connector No.	E101
Connector Name	FUSE BLOCK (J/B)
Connector Type	LOTFW-MC



H.S.

Terminal Color Of Wire	Signal Name [Specification]
1D R	-

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

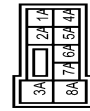


H.S.

Terminal Color Of Wire	Signal Name [Specification]
1 R	-
2 W	-
3 B	-
4 GR	-
5 GR	-
8 Y	-
9 BR	-
10 BG	-
11 SB	-
12 BG	-
13 L	-
14 R	-
15 P	-
16 V	-
17 SB	-
18 V	-
20 BG	-
21 L	-
22 V	-

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

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

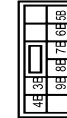


H.S.

Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS66FW-M2

Terminal Color Of Wire	Signal Name [Specification]
1A GR	-
2A G	-
3A L	-
4A P	-
5A V	-
6A Y	-
7A R	-
8A L	-

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



H.S.

Terminal Color Of Wire	Signal Name [Specification]
3B P	-
4B G	-
5B BG	-
6B Y	-
7B P	-
8B R	-
9B SB	-

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



H.S.

Terminal Color Of Wire	Signal Name [Specification]
10C L	-
11C R	-
12C BG	-
6C R	-
7C B	-
9C BG	-

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

ACCESSORY POWER SUPPLY

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

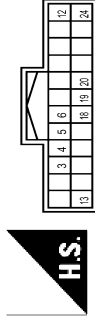


Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	R	-
3	B	-
4	SHIELD	-
5	G	-
6	GR	-
7	Y	-
8	Y	-
9	BR	-
10	R	-
11	BR	-
12	BG	-
13	L	-
14	R	-
15	P	-
16	V	-
17	SB	-
18	V	-
19	BG	-
20	BG	-
21	L	-
22	W	-
23	P	-
24	BR	-
25	Y	-
26	V	-
27	G	-
28	G	-
31	L	-
32	G	-
33	B	-
34	W	-
35	R	-
36	SHIELD	-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

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

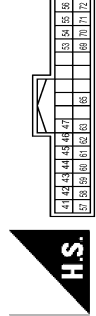
98	SHIELD	-
99	V	-
100	SB	-

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



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

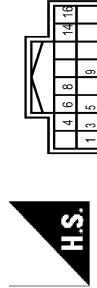
Connector No.	M67
Connector Name	UNIFIED METER AND A/C AMP.
Connector Type	TH32FW-VNH



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

46	BG	SUNLOAD SENSOR SIGNAL
47	G	EXHAUST GAS OUTSIDE DOOR DETECTING SENSOR SIGNAL
53	G	IGNITION POWER SUPPLY
54	Y	BATTERY POWER SUPPLY
55	B	GROUND
56	L	CANH
57	W	BRAKE FLUID LEVEL SWITCH SIGNAL
58	BR	FUEL LEVEL SENSOR GROUND
59	GR	INTAKE SENSOR GROUND
60	L	IN-VEHICLE SENSOR GROUND
61	BR	AMBIENT SENSOR GROUND
62	SB	SUNLOAD SENSOR GROUND
63	R	-
65	BG	ECV SIGNAL
69	L	A/C LAN SIGNAL
70	R	EACH DOOR MOTOR POWER SUPPLY
71	B	GROUND
72	P	CANH

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



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

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

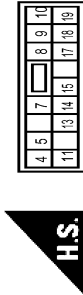
ACCESSORY POWER SUPPLY

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



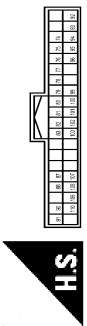
Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	BAT (F/L)
2	W	POWER WINDOW POWER SUPPLY(BAT)
3	Y	POWER WINDOW POWER SUPPLY(RAP)

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



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

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



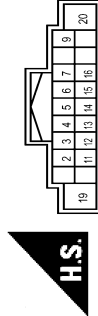
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

ACCESSORY POWER SUPPLY

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



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

JRMWDB203GB

POWER SUPPLY ROUTING CIRCUIT

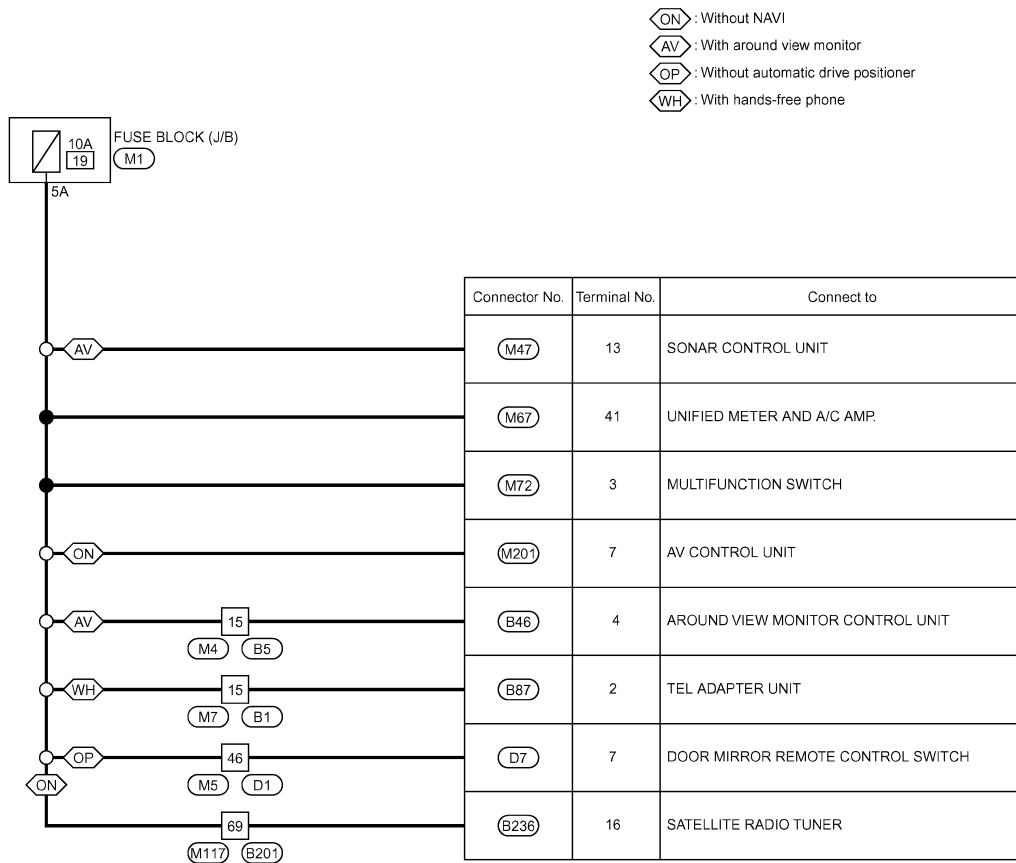
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - ACCESSORY POWER SUPPLY FUSE No. 19 -

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ACCESSORY POWER SUPPLY FUSE No. 19



2011/06/24

JRMWC4046GB

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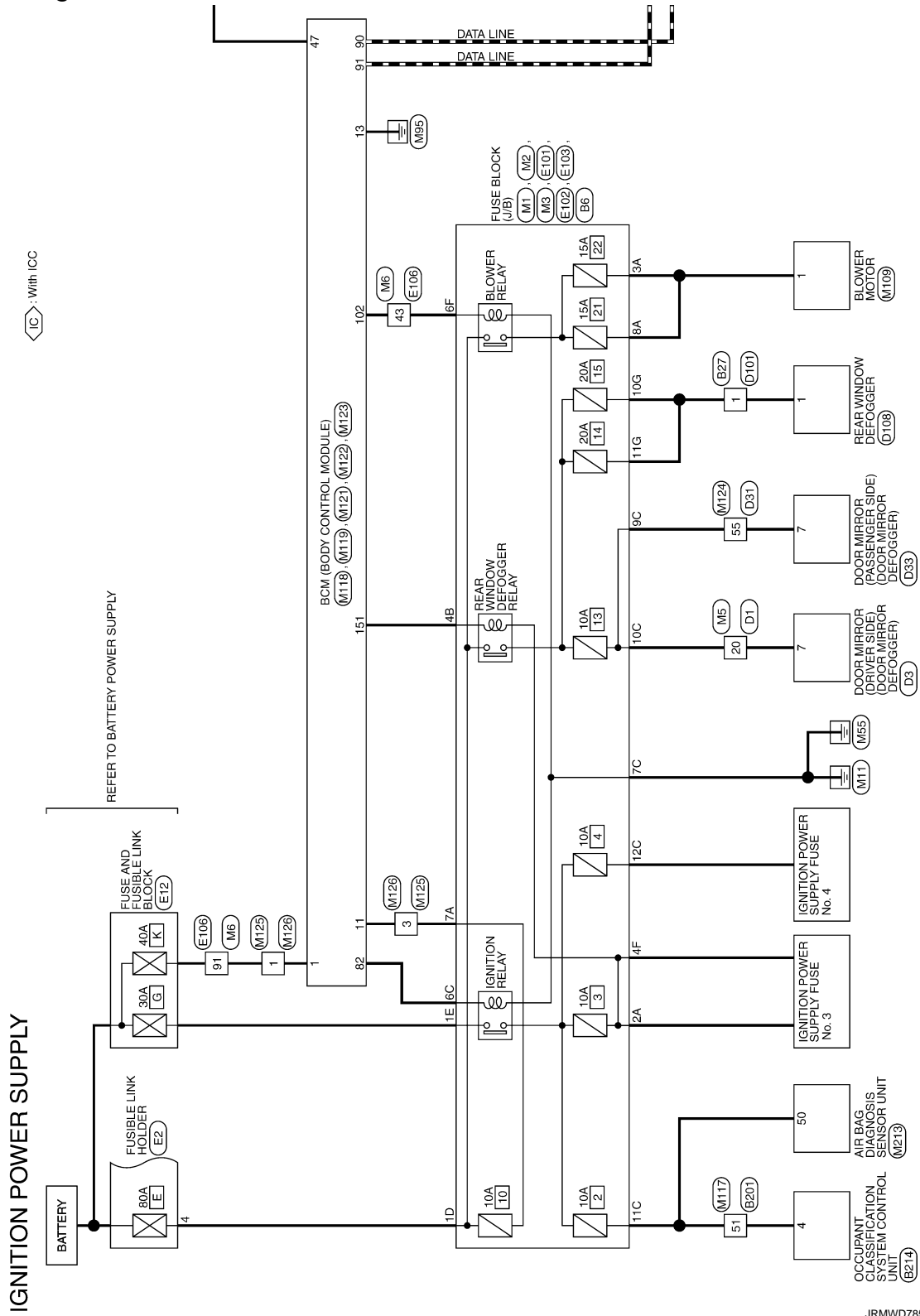
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - IGNITION POWER SUPPLY -

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[POWER SUPPLY & GROUND CIRCUIT]

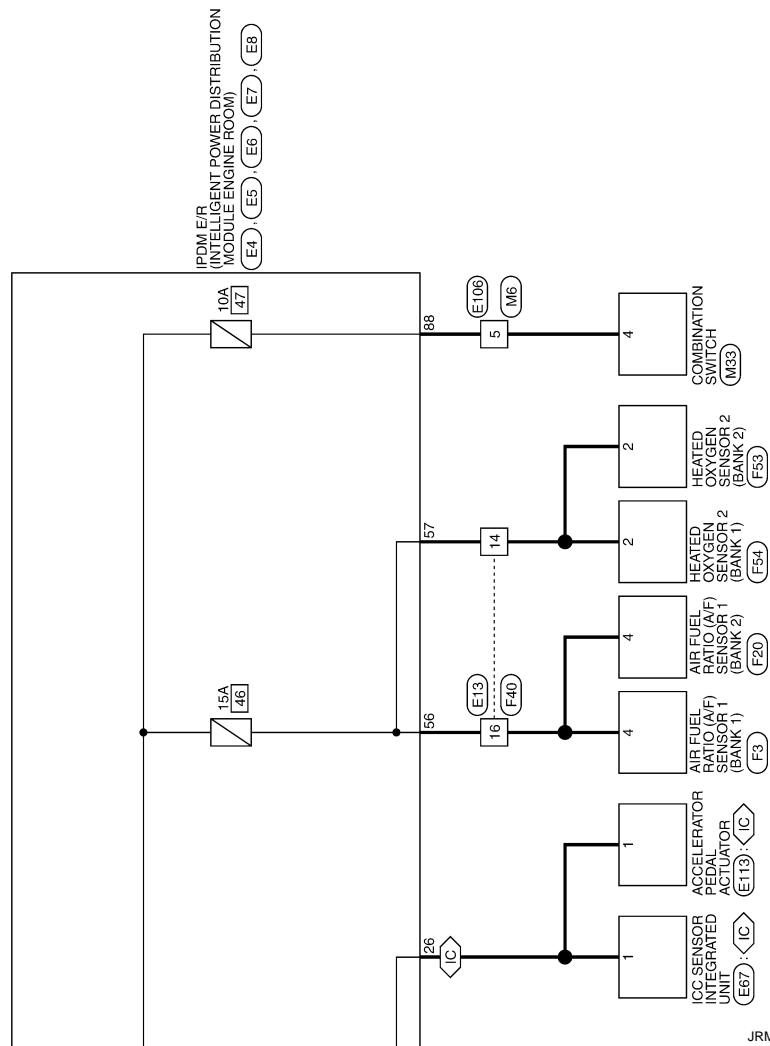


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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]



JRMWD7855GB

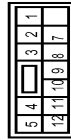
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

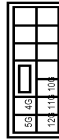
IGNITION POWER SUPPLY

Connector No.	B4
Connector Name	WIRE TO WIRE
Connector Type	NS12FW-CS



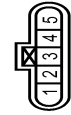
Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	B	-
3	G	-
4	SHIELD	-
5	P	-
7	Y	-
8	R	-
9	BR	-
10	BG	-
11	LG	-
12	GR	-

Connector No.	B6
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS12FBR-CS



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

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



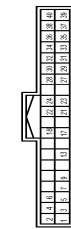
Terminal No.	Color Of Wire	Signal Name [Specification]
1	P	-
2	W	-
3	B	-
4	R	-
5	B	-

Connector No.	B27
Connector Name	WIRE TO WIRE
Connector Type	M06MW-LC



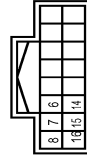
Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	G	-
3	B	-
4	SB	-
5	L	-

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



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

Connector No.	B50
Connector Name	BSW CONTROL MODULE
Connector Type	TH16FW-NH



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

Connector No.	B87
Connector Name	TEL ADAPTER UNIT
Connector Type	TH92FW-NH



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

JRMWD8204GB

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY

Connector No.	B105
Connector Name	SIDE RADAR LH
Connector Type	AAC08FE-WP-SP



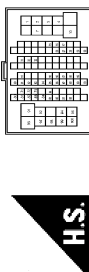
Terminal No.	Color Of Wire	Signal Name [Specification]
2	B	GROUND
3	Y	BSW COMM-L
4	L	BSW COMM-H
5	G	IGNITION
6	R	BSW INDICATOR

Connector No.	B107
Connector Name	SIDE RADAR RH
Connector Type	AAC08FE-WP-SP



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

Connector No.	B201
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4



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

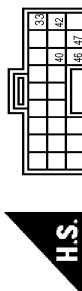
73	BR	-
75	Y	-
80	V	-
81	SB	-
82	LG	-
83	P	-
84	R	-
85	L	-
86	BG	-
87	L	-
88	P	-
91	V	-
92	R	-
94	R	-
95	SB	-
96	G	-
97	G	-
98	R	-
99	P	-
100	L	-

Connector No.	B214
Connector Name	OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT
Connector Type	TH85FW-NH



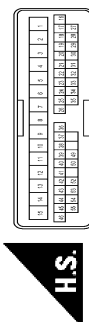
Terminal No.	Color Of Wire	Signal Name [Specification]
2	V	COMMUNICATION
4	R	IGN
5	B	GROUND

Connector No.	B249
Connector Name	BRAKE BOOSTER CONTROL UNIT
Connector Type	TK24FY



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

Connector No.	D1
Connector Name	WIRE TO WIRE
Connector Type	TH40FW-CS15



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

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POWER SUPPLY ROUTING CIRCUIT

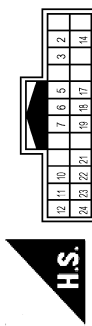
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY

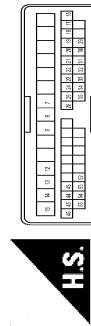
16	R	-
17	W	-
18	G	-
19	Y	-
20	W	-
21	O	-
22	P	-
23	BR	-
24	V	-
25	GR	-
26	Y	-
27	B	-
28	SHIELD	-
29	LG	-
30	G	-
31	W	-
32	G	-
33	L	-
34	SS	-
35	R	-
36	LG	-
37	R	-
38	P	-
39	O	-
40	BR	-
41	L	-
42	GR	-
43	BR	- [With automatic drive positioner] - [Without automatic drive positioner]
44	GR	- [With automatic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

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



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

Connector No.	D31
Connector Name	WIRE TO WIRE
Connector Type	TH40FW-CS15



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

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

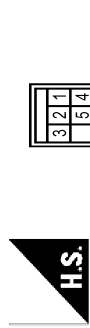
Connector No.	D33
Connector Name	DOOR MIRROR (PASSENGER SIDE)
Connector Type	TH24MW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
3	W	SIDE CAMERA RH COMM
4	LG	SIDE CAMERA RH IMAGE SIGNAL
5	B	SIDE CAMERA RH POWER SUPPLY

6	R	-
7	L	-
10	G	-
11	GR	-
12	O	-
16	BR	-
17	G	SIDE CAMERA RH IMAGE GND
18	Y	SIDE CAMERA RH GND
19	B	-
21	P	-
22	Y	-
23	W	-
24	V	-

Connector No.	D101
Connector Name	WIRE TO WIRE
Connector Type	M06FW-LC



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

JRMWD8206GB

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY

Connector No.	DT08
Connector Name	REAR WINDOW DEFOGGER
Connector Type	IM02MB-P-LC



H.S.

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

Connector No.	E1
Connector Name	FUSIBLE LINK HOLDER
Connector Type	LO2FER-MC



H.S.

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

Connector No.	E2
Connector Name	FUSIBLE LINK HOLDER
Connector Type	LO2FGY-MC



H.S.

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

Connector No.	E4
Connector Name	POWER INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	LO2FER-MC



H.S.

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

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



H.S.

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

36	G	-
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Connector No.	E6
Connector Name	POWER INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	TH20FW-MH



H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
39	P	-
40	L	-
41	BW	-
43	SS	-
44	BR	-
45	G	-
46	R	-

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

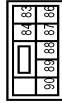


H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
48	L	-
49	BG	-
51	Y	-
53	W	-
54	P	-
55	SS	-
56	LG	-
57	V	-
58	Y	-
69	BR	-

70	BG	-
74	P	-
75	SS	-
76	Y	-
77	R	-
80	W	-

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



H.S.

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

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



H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
31	LG	-
32	P	-
33	BG	-
34	Y	-
35	R	-

JRMWD8207GB

POWER SUPPLY ROUTING CIRCUIT

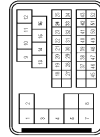
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY

36	R	-
37	BR	-
F	W	-
G	G	-
H	G	-
K	W	-
L	R	-
M	G	-

Connector No.	E13
Connector Name	WIRE TO WIRE
Connector Type	SA336MB-RSS-SH28



H.S.

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

30	R	-
31	BR	-
32	Y	-
33	G	-
34	BG	-
37	SHIELD	-
38	L	-
39	P	-
40	R	-
41	W	-
42	LG	-
43	G	-
45	BG	-
46	SHIELD	-
47	W	-
48	BR	-
49	G	-
50	B	-
51	SB	-
52	R	-

Connector No.	E17
Connector Name	COOLING FAN RELAY
Connector Type	24347 9F-500



H.S.

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

Connector No.	E26
Connector Name	HEADLAMP AIMING MOTOR RH
Connector Type	HS03FGY



H.S.

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

Connector No.	E41
Connector Name	ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT)
Connector Type	BA442PB-A424-LH



H.S.

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

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

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



H.S.

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

Connector No.	E50
Connector Name	ICC BRAKE HOLD RELAY
Connector Type	M08FGY-R-US



H.S.

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

JRMWD8208GB

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY

Connector No.	E56
Connector Name	HEADLAMP AIMING MOTOR LH
Connector Type	HS03FGY



H.S.

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

Connector No.	E57
Connector Name	ICC SENSOR INTEGRATED UNIT
Connector Type	HS06FB-PR



H.S.

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

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



H.S.

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

Connector No.	E102
Connector Name	FUSE BLOCK (JIB)
Connector Type	MO2FBL-C



H.S.

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

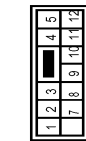
Connector No.	E103
Connector Name	FUSE BLOCK (JIB)
Connector Type	NS16FW-CS



H.S.

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

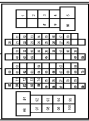
Connector No.	E104
Connector Name	WIRE TO WIRE
Connector Type	NS12MW-CS



H.S.

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

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



H.S.

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

JRMWDB8209GB

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY

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

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

Connector No.	E109
Connector Name	ASC/D 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	Y	-
4	SB	-

Connector No.	E113
Connector Name	ACCELERATOR PEDAL ACTUATOR
Connector Type	K0206FB



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

Connector No.	E120
Connector Name	EXHAUST GAS / OUTSIDE ODOOR DETECTING SENSOR
Connector Type	RH03FB



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	POWER
2	P	GROUND
3	G	GAS SENSOR SIGNAL

Connector No.	F3
Connector Name	AIR FUEL RATIO (AF) SENSOR 1 (BANK 1)
Connector Type	RH4MDSY-BR



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

Connector No.	F20
Connector Name	AIR FUEL RATIO (AF) SENSOR 1 (BANK 2)
Connector Type	RH4MDSY-BR



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

JRMWD8210GB

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PG

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY

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



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

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



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

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



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

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



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

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



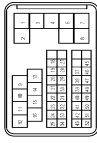
Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	-
2	W	-

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



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

Connector No.	F40
Connector Name	WIRE TO WIRE
Connector Type	SAA38FB-RS8-SH28



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

JRMWDB211GB

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY

Connector No.	F43
Connector Name	COMPRESSOR
Connector Type	RS01FB

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



Connector No.	F44
Connector Name	COMPRESSOR
Connector Type	RK02FGY

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



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

Connector No.	F51
Connector Name	AT ASSEMBLY
Connector Type	RK10FG-DGY



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

Connector No.	F53
Connector Name	HEATED OXYGEN SENSOR 2 (BANK 2)
Connector Type	AFZ04FB



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

Connector No.	F54
Connector Name	HEATED OXYGEN SENSOR 2 (BANK 1)
Connector Type	AFZ04FB



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

Connector No.	F101
Connector Name	ECM
Connector Type	RH40FB-R28-L-HZ



Terminal No.	Wire	Signal Name [Specification]
1	W	A/F SENSOR 1 HEATER (BANK 1)
2	G	THROTTLE CONTROL MOTOR (BANK 1) (OPEN)
3	R	THROTTLE CONTROL MOTOR (BANK 1) (CLOSE)
4	BR	THROTTLE CONTROL MOTOR (BANK 1) (CLOSE)
5	W	A/F SENSOR 1 HEATER (BANK 2)
6	B	ECM GROUND
7	GR	IGNITION SIGNAL NO. 4
8	L	IGNITION SIGNAL NO. 3
9	V	IGNITION SIGNAL NO. 5
10	G	IGNITION SIGNAL NO. 2
11	P	HEATED OXYGEN SENSOR 2 HEATER (BANK 1)
12	W	AT CONTROL SOLENOID VALVE (BANK 1)
13	SR	IGNITION SIGNAL NO. 6
14	Y	IGNITION SIGNAL NO. 1
15	GR	ECM CANISTER PURGE VALVE CONTROL SOLENOID VALVE
16	R	FUEL PUMP RELAY

Terminal No.	Wire	Signal Name [Specification]
24	P	ECM RELAY (SELF SHUT-OFF)
25	O	THROTTLE CONTROL MOTOR RELAY
26	BR	AT CONTROL SOLENOID VALVE (BANK 2)
27	G	THROTTLE POSITION SENSOR 1 (BANK 1)
28	Y	THROTTLE POSITION SENSOR 1 (BANK 2)
29	R	THROTTLE POSITION SENSOR 2 (BANK 1)
30	SR	THROTTLE POSITION SENSOR 2 (BANK 2)
31	B	HEATED OXYGEN SENSOR 2 HEATER (BANK 1)
32	W	THROTTLE POSITION SENSOR 2 (BANK 1)
33	W	THROTTLE POSITION SENSOR 2 (BANK 2)
34	O	SENSOR GROUND
35	W	CRANKSHAFT POSITION SENSOR (POS)
36	O	MANIFOLD ABSOLUTE PRESSURE (MAP) SENSOR
37	P	BRAKE BOOSTER PRESSURE SENSOR
38	R	SENSOR GROUND
39	G	SENSOR POWER SUPPLY
40	L	SENSOR POWER SUPPLY
41	LG	SENSOR POWER SUPPLY
42	R	SENSOR POWER SUPPLY
43	Y	SENSOR GROUND
44	B	SENSOR GROUND

Connector No.	F102
Connector Name	ECM
Connector Type	RH40FB-R28-L-HZ



Terminal No.	Wire	Signal Name [Specification]
49	GR	THROTTLE CONTROL MOTOR (CLOSE) (BANK 2)
50	V	THROTTLE CONTROL MOTOR (OPEN) (BANK 2)
51	R	THROTTLE CONTROL MOTOR RELAY POWER SUPPLY (BANK 1)
52	W	IGNITION SWITCH
53	Y	CAN COMMUNICATION LINE (VREL) CONTROL MODULE
54	LG	CAN COMMUNICATION LINE (VREL) CONTROL MODULE
55	L	A/F SENSOR 1 (BANK 1)
56	O	CRANKSHAFT POSITION SENSOR PHASES (BANK 1)
57	G	SENSOR POWER SUPPLY
58	R	A/F SENSOR 1 (BANK 1)
59	SR	CRANKSHAFT POSITION SENSOR PHASES (BANK 2)
60	Y	SENSOR POWER SUPPLY
61	GR	A/F SENSOR 1 (BANK 2)
62	B	SENSOR POWER SUPPLY
63	LG	A/F SENSOR 1 (BANK 2)
64	V	A/F SENSOR 1 (BANK 2)

JRMWD8212GB

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY

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
73	W	KNOCK SENSOR (BANK 1)
76	W	HEATED OXYGEN SENSOR 2 (BANK 1)
77	S8	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	S8	BATTERY CURRENT SENSOR
92	G	SENSOR GROUND
93	P	POWER SUPPLY FOR ECM (BACK-UP)
94	Y	SENSOR GROUND
95	G	SENSOR GROUND
96	P	SENSOR GROUND

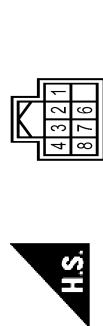
Connector No.	F103
Connector Name	WIRE TO WIRE
Connector Type	TK36FW-NS10



Terminal No.	Color Of Wire	Signal Name [Specification]
2	G	-
3	W	-
4	R	-
5	B	-
9	Y	-
10	GR	-
19	BG	- [Without ICC]
19	O	- [With ICC]
20	Y	-

28	B	-
29	LG	-
31	R	-
33	GR	-
34	B	-
35	L	-
36	P	-
37	Y	-
38	G	-
43	LG	-
44	O	-
45	Y	-
46	V	-

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



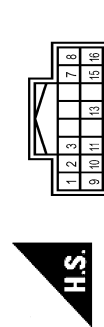
Terminal No.	Color Of Wire	Signal Name [Specification]
1	P	-
2	V	-
3	L	-
4	Y	-
6	GR	-
7	R	-
8	O	-

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



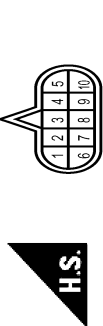
Terminal No.	Color Of Wire	Signal Name [Specification]
1	P	-
2	V	-
3	L	-
4	Y	-
6	GR	-
7	R	-
8	O	-

Connector No.	F108
Connector Name	AWD CONTROL UNIT
Connector Type	TH16FW-NH



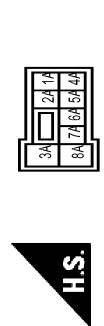
Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	AWD SOL (+)
2	Y	AWD SOL (-)
3	W	FLUID TEMP (-)
7	G	IGN
8	L	CANH
9	O	AWD SOL BATT
10	B	GROUND
11	GR	GROUND
13	LG	FLUID TEMP (+)
15	Y	BATTERY
16	P	CANH

Connector No.	F301
Connector Name	TCM (TRANSMISSION CONTROL MODULE)
Connector Type	SPT0FG



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

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



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

JRMWD8213GB

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY

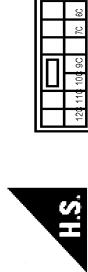
Connector No.	M2
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS10FW-CS



H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
39	P	-
40	G	-
41	B	-
42	GR	-
43	P	-
44	R	-
45	SB	-

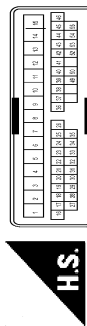
Connector No.	M3
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS12FW-CS



H.S.

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

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

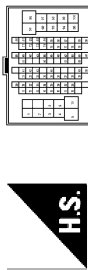


H.S.

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

37	BR	-
38	P	-
39	B	-
40	SB	-
41	L	-
42	R	-
43	BR	-
44	V	-
45	G	-
46	SB	- [With automatic drive positioner] - [Without automatic drive positioner]
49	P	-
50	B	-
52	R	-
53	V	-
54	LG	-
55	SB	-

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TH60MW-CS16-TM4



H.S.

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

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

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY

Terminal No.	Wire	Signal Name [Specification]
79	W	- [Without ICC]
80	Y	- [With ICC]
81	SS	-
82	SS	-
83	V	-
84	G	-
85	L	-
86	P	-
87	W	-
89	GR	-
90	SHIELD	-
91	W	-
92	Y	-
93	BR	-
94	P	-
95	GR	-
96	W	-
97	L	-
98	SHIELD	-
99	V	-
100	SS	-

Connector No.	Connector Name	Connector Type
M16	AFS CONTROL UNIT	TH40FW-NH



Terminal No.	Wire	Signal Name [Specification]
1	W	IGN
2	LG	PSG-R
4	Y	PSV-R
6	W	HSV-R
7	P	CANH
8	B	HSG-R
9	GR	PS-R
11	R	SMR-1 (-)
13	B	SMR-2 (-)
15	G	SMR-3 (-)
17	W	SMR-2 (+)
19	SS	AMDS-R

Terminal No.	Wire	Signal Name [Specification]
24	V	PSV-L
25	B	GROUND
27	BR	PSG-L
28	BG	HS-R
29	BG	PS-L
30	L	CANH
32	G	SMR-2 (+)
34	W	SMR-1 (+)
35	R	SMR-2 (-)
36	B	SMR-1 (-)
40	L	AMDS-L

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



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

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



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

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



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

Connector No.	Connector Name	Connector Type
M37	STEERING ANGLE SENSOR	TH8FW-NH



Terminal No.	Wire	Signal Name [Specification]
1	L	CANH
2	P	CANL
7	B	GROUND
8	G	IGN

Connector No.	Connector Name	Connector Type
M45	LANE DEPARTURE WARNING BUZZER	NS45BR-CS



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

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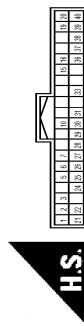
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY

Connector No.	MS3
Connector Name	COMBINATION METER
Connector Type	TH40FW-AH



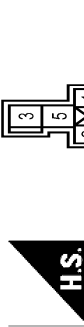
Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	BATTERY POWER SUPPLY
2	LG	COMMUNICATION SIGNAL (METER AMP.)
3	GR	COMMUNICATION SIGNAL (AMP METER)
5	B	GROUND
6	B	ALTERNATION SIGNAL
7	BR	AIR BAG SIGNAL
10	G	SECURITY SIGNAL
15	B	GROUND
16	B	METER CONTROL SWITCH GROUND
19	B	ILL GND
20	R	ILL
21	BG	IGNITION SIGNAL
22	B	GROUND
24	BR	COMMUNICATION SIGNAL (LCD-AMP.)
25	Y	COMMUNICATION SIGNAL (AMP-1, 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 SIDE)
30	G	SEAT BELT BUCKLE SWITCH SIGNAL (PASSENGER SIDE)
31	L	WASHER LEVEL SWITCH SIGNAL
33	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 (L)
40	BG	ILLUMINATION CONTROL SWITCH SIGNAL (P)

Connector No.	ME7
Connector Name	UNIFIED METER AND A/C AMP.
Connector Type	TH52FW-AH



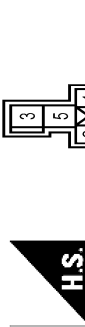
Terminal No.	Color Of Wire	Signal Name [Specification]
41	V	ACC POWER SUPPLY
42	Y	FUEL LEVEL SENSOR SIGNAL
43	R	INTAKE SENSOR SIGNAL
44	LG	IN-VEHICLE SENSOR SIGNAL
45	P	AMBIENT SENSOR SIGNAL
46	BG	SUN LOAD SENSOR SIGNAL
47	G	SWAY CONTROL SYSTEM COORDINATION SENSOR SIGNAL
53	G	IGNITION POWER SUPPLY
54	Y	BATTERY POWER SUPPLY
55	B	GROUND
56	L	CANH
57	W	BRAKE FLUID LEVEL SWITCH SIGNAL
58	BR	FUEL LEVEL SENSOR GROUND
59	GR	INTAKE SENSOR GROUND
60	L	IN-VEHICLE SENSOR GROUND
61	BR	AMBIENT SENSOR GROUND
62	SB	SUN LOAD SENSOR GROUND
63	R	-
65	BG	ECV SIGNAL
69	L	A/C LAN SIGNAL
70	R	EACH DOOR MOTOR POWER SUPPLY
71	B	GROUND
72	P	CANL

Connector No.	ME9
Connector Name	BACK-UP LAMP RELAY
Connector Type	MS52FL-M2-LC



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

Connector No.	ME70
Connector Name	HEATED SEAT RELAY
Connector Type	MS52FL-M2-LC



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

Connector No.	MT08
Connector Name	POWER STEERING CONTROL UNIT
Connector Type	TH12FW-AH



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.	MT09
Connector Name	BLOWER MOTOR
Connector Type	NS53FW-M3



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

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A
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PG

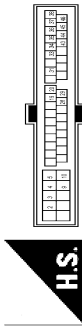
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY

Connector No.	MT16
Connector Name	WIRE TO WIRE
Connector Type	TK36MW-NS10



H.S.

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

Connector No.	MT17
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4



H.S.

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

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

Connector No.	MT18
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	M03F-LC



H.S.

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

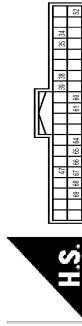
Connector No.	MT19
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	NS16FV-CS



H.S.

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

Connector No.	MT21
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	THMFGY-NH



H.S.

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 (JPM LFR) CONT
52	SB	STARTER RELAY CONT
60	BR	PUSH SW

JRMWDB217GB

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY

61	W	BACK DOOR OPENER REQUEST SW
64	V	L-KEY WARN BUZZER (ENG ROOM)
65	B/G	REAR WIPER STOP POSITION
66	R	BACK DOOR SW
67	GR	BACK DOOR OPENER SW
68	BR	REAR RH DOOR SW
69	R	REAR LH DOOR SW

Connector No.	MT22
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FB-NH

H.S.

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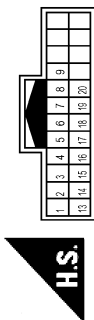
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

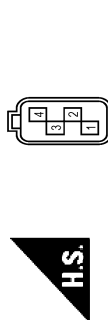
IGNITION POWER SUPPLY

Connector No.	MT34
Connector Name	WIRE TO WIRE
Connector Type	TH24MW-NH



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

Connector No.	MT43
Connector Name	YAW RATE / SIDE G SENSOR
Connector Type	AAZ04FE-S



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

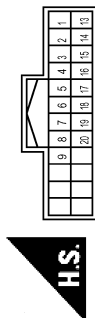
4	G	-
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Connector No.	MT60
Connector Name	IGNIZER
Connector Type	TH04FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	IGN
2	B	-
3	B	GROUND
4	L	IGN ON/OFF

Connector No.	MT70
Connector Name	WIRE TO WIRE
Connector Type	TH24FW-NH



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

17	L	-
18	G	-
19	Y	-
20	R	-

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



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

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



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

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



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

Connector No.	MT86
Connector Name	ICC WARNING CHIME
Connector Type	A09FW



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

JRMWD8219GB

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY

Connector No.	IM204
Connector Name	AV CONTROL UNIT
Connector Type	TH52FW-NH



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

Connector No.	IM210
Connector Name	AV CONTROL UNIT
Connector Type	TH52FW-NH



Terminal No.	Wire	Signal Name [Specification]
55	V	PARKING BRAKE SIGNAL
57	G	COMPOSITE IMAGE SIGNAL GND
58	R	COMPOSITE IMAGE SIGNAL
71	SHIELD	MICROPHONE SHIELD
72	R	MICROPHONE VCC

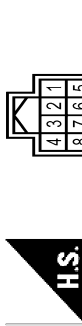
Terminal No.	Wire	Signal Name [Specification]
73	R	COMM (CONT-DISP)
74	P	CANL
75	LG	AV COMM (L)
76	LG	AV COMM (L)
79	R	ILLUMINATION
80	G	IGNITION SIGNAL
81	B/G	REVERSE SIGNAL
82	R	VEHICLE SPEED SIGNAL (8-PULSE)
83	SHIELD	SHIELD
87	G	MICROPHONE SIGNAL
88	SHIELD	SHIELD
89	G	COMM (DISP-CONT)
90	L	CANH
91	SR	AV COMM (H)
92	SR	AV COMM (H)

Connector No.	IM213
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	IN28FY-EX



Terminal No.	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 DR1+
31	V	EC2S-
35	BR	A/B W/L
38	G	SEATBELT W/L
39	SHIELD	GND
41	SR	EC2S+
45	P	CAN L/O
46	L	CAN H
47	R	A/B CUTOFF TELLTALE
50	R	IGN

Connector No.	R10
Connector Name	LANE CAMERA UNIT
Connector Type	TH8FV-NH



Terminal No.	Wire	Signal Name [Specification]
1	B	GROUND
2	SR	WARNING SYSTEMS ON INDICATOR
3	Y	WARNING SYSTEMS SWITCH
4	L	CANL
5	B	GROUND
6	R	LANE DEPARTURE WARNING BUZZER
7	Y	IGNITION POWER SUPPLY
8	P	CANL

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



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

Connector No.	R6
Connector Name	AUTO ANTIDAZING INSIDE MIRROR
Connector Type	JAAU7FB



Terminal No.	Wire	Signal Name [Specification]
6	B	-
7	W	-

JRMWD8220GB

POWER SUPPLY ROUTING CIRCUIT

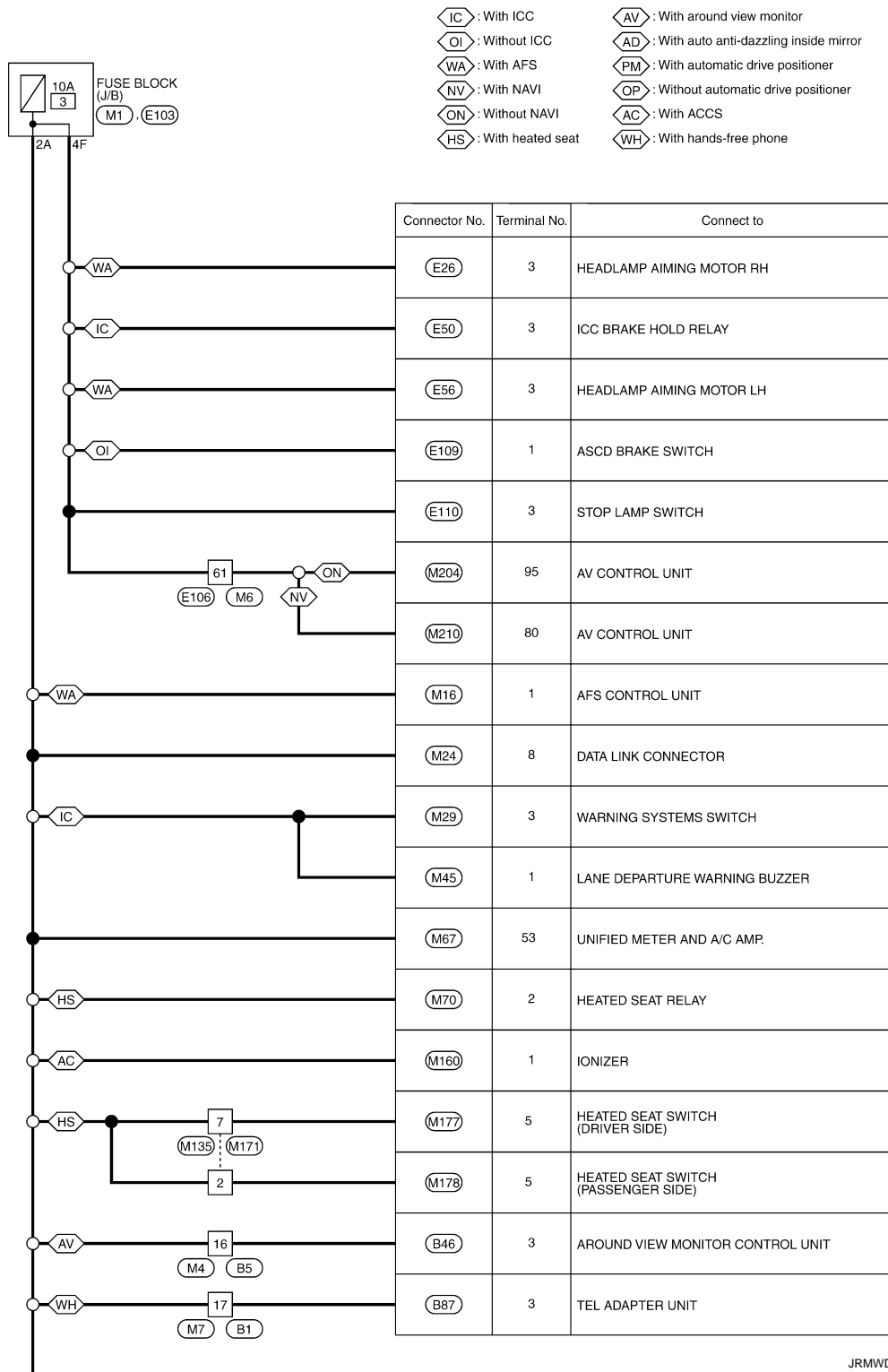
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[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 3 -

INFOID:000000009060925

IGNITION POWER SUPPLY FUSE No. 3

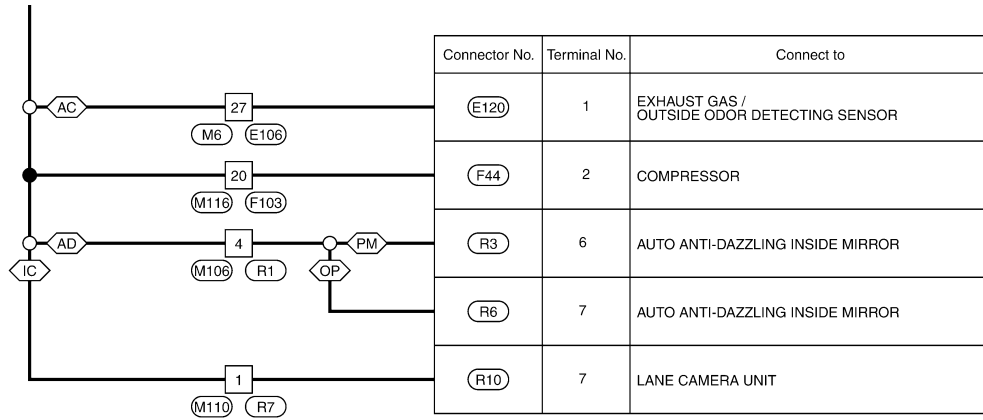


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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]



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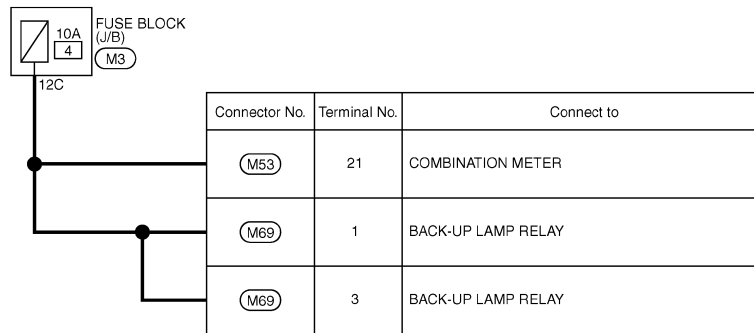
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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

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JCMWA3210GB

POWER SUPPLY ROUTING CIRCUIT

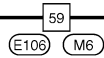
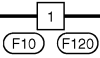
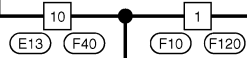
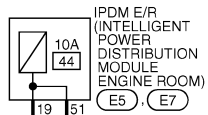
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[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 44 -

INFOID:000000009060927

IGNITION POWER SUPPLY FUSE No. 44



Connector No.	Terminal No.	Connect to
F21	1	FUEL INJECTOR No. 1
F22	1	FUEL INJECTOR No. 2
F23	1	FUEL INJECTOR No. 3
F24	1	FUEL INJECTOR No. 4
F25	1	FUEL INJECTOR No. 5
F26	1	FUEL INJECTOR No. 6
F102	53	ECM
M123	123	BCM (BODY CONTROL MODULE)

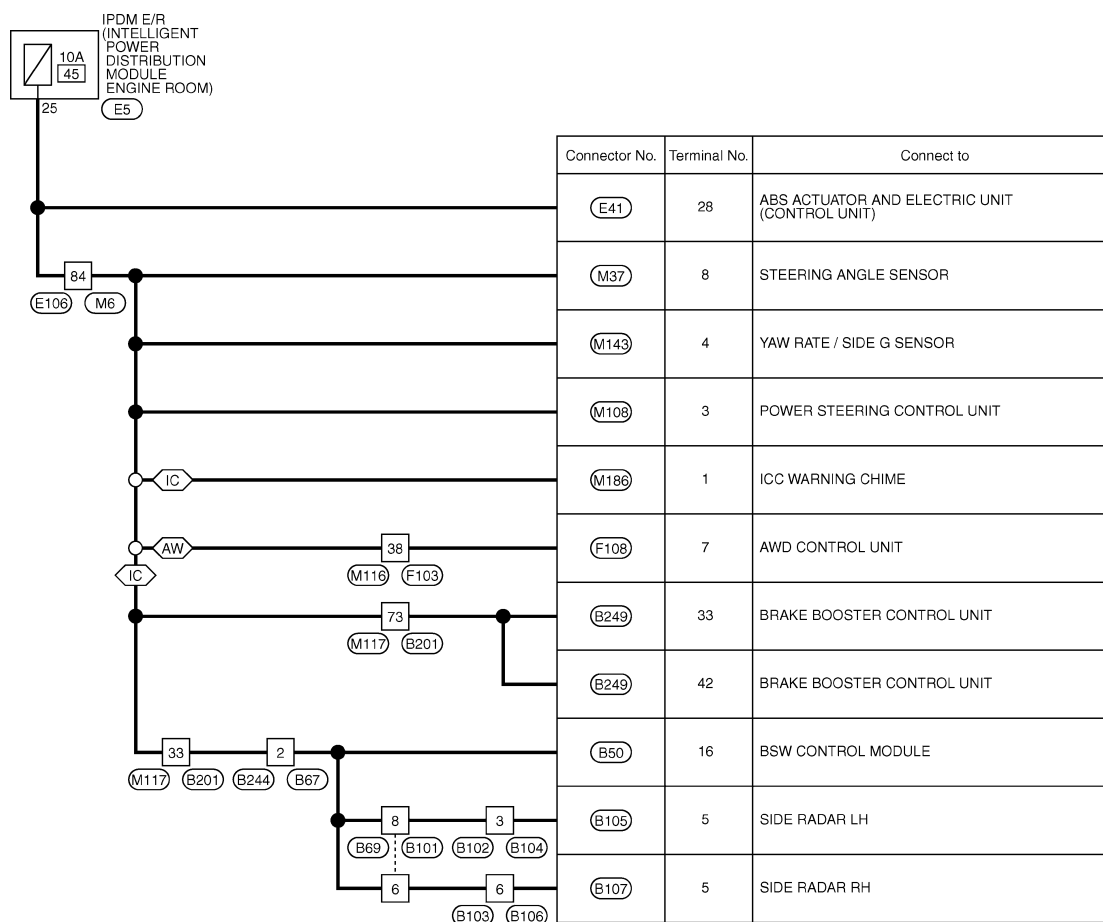
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JRMWD2735GB

[POWER SUPPLY & GROUND CIRCUIT]

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AW : AWD models
IC : With ICC



JCMWA6284GB

POWER SUPPLY ROUTING CIRCUIT

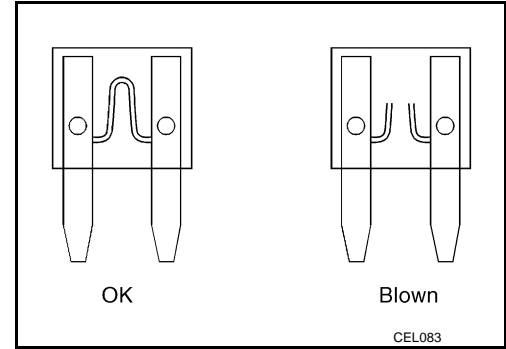
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[POWER SUPPLY & GROUND CIRCUIT]

Fuse

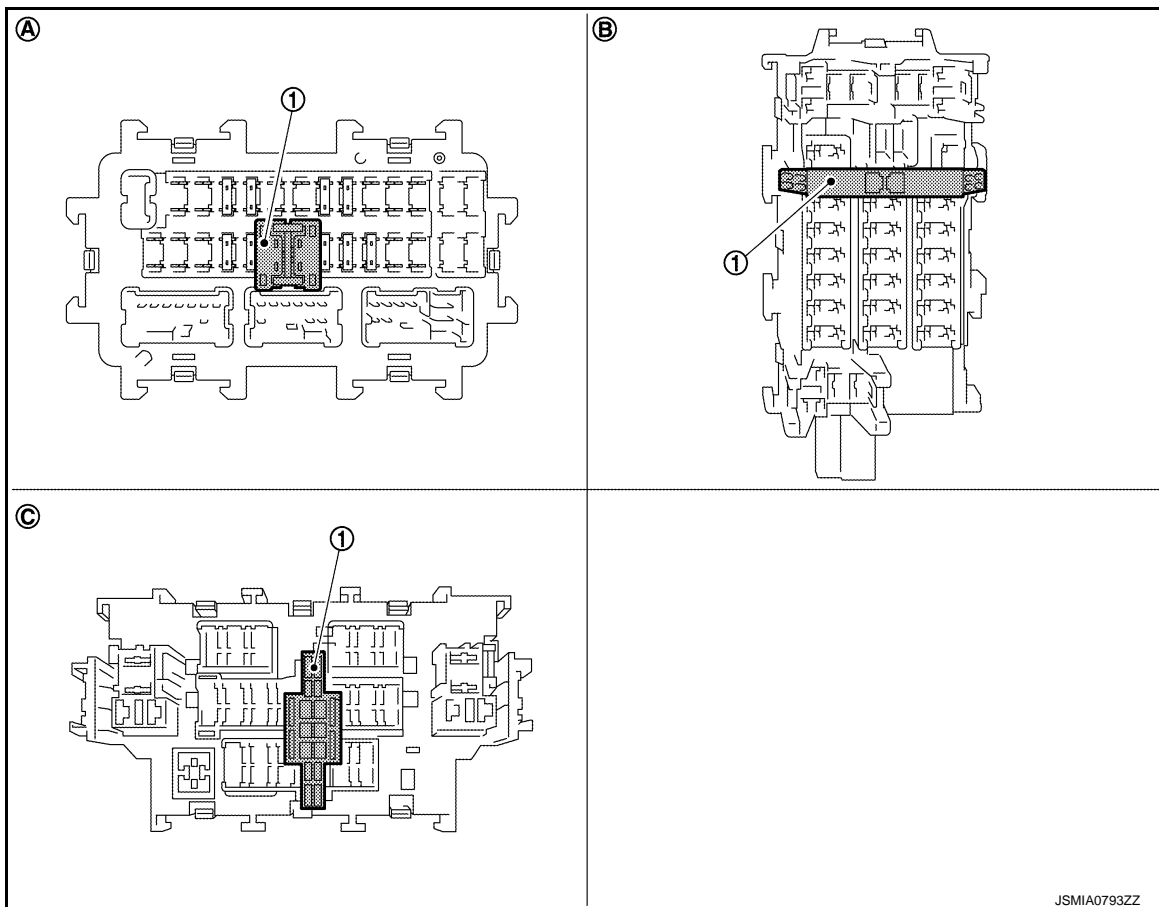
INFOID:000000009060929

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



EXTENDED STORAGE FUSE SWITCH (IF EQUIPPED)

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



1. Extended storage fuse switch

A. Type A

B. Type B

C. Type C

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

How To Extended Storage Fuse Switch ON/OFF

CAUTION:

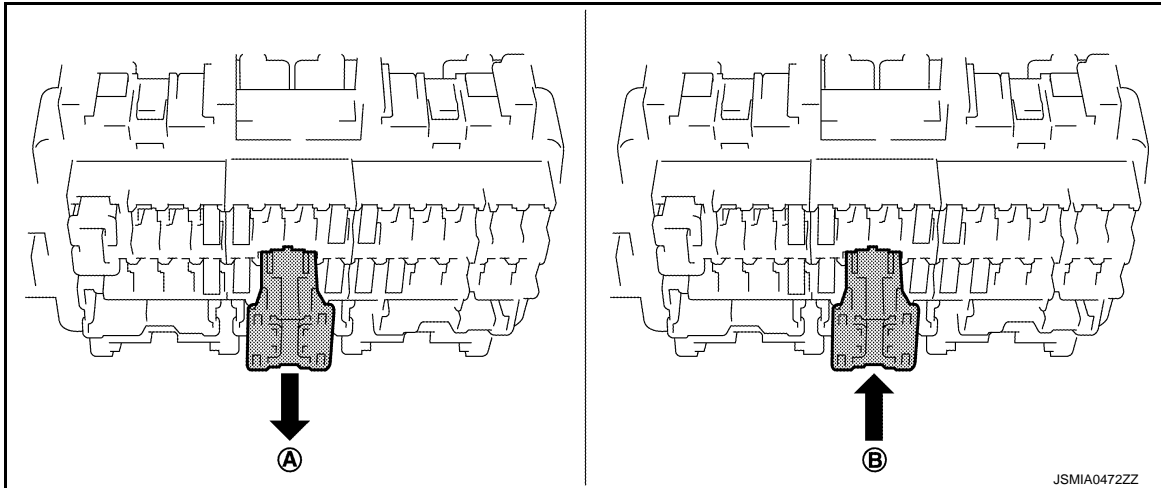
- Turn the ignition switch OFF when operating the extended storage fuse switch.
- Under normal conditions, keep the extended storage fuse switch in ON state. Never operate the extended storage fuse switch except when necessary.

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

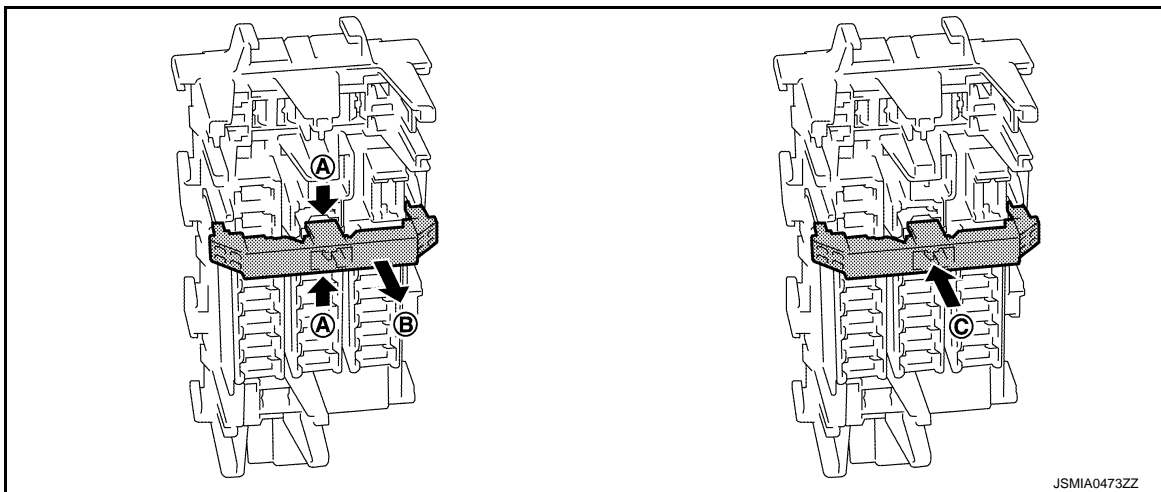
[POWER SUPPLY & GROUND CIRCUIT]

• Type A



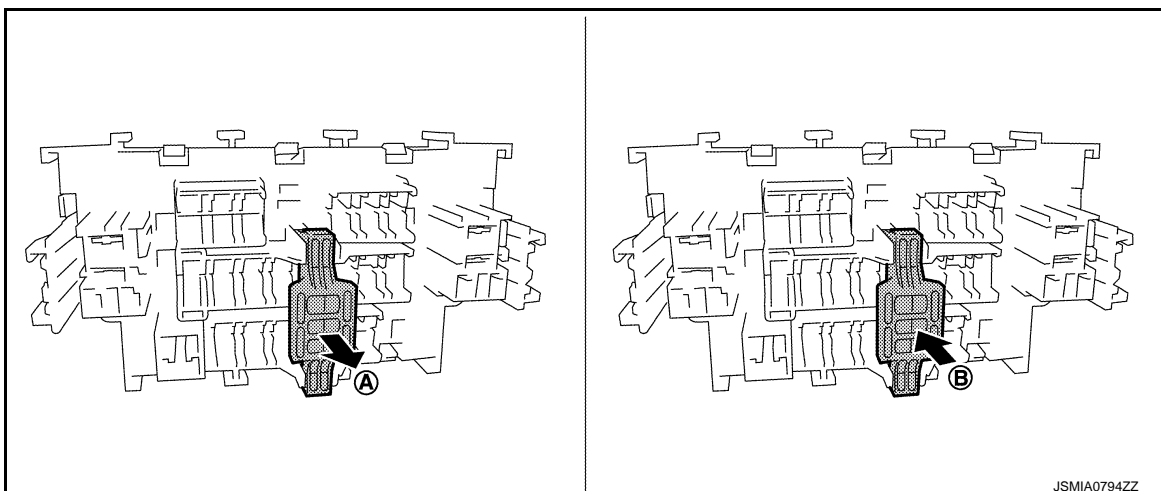
- To turn the extended storage fuse switch OFF, pull it up in (A) direction as shown in the figure.
- To turn the extended storage fuse switch ON, press it in (B) direction as shown in the figure.

• Type B



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

• Type C



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

How To Remove Extended Storage Fuse Switch

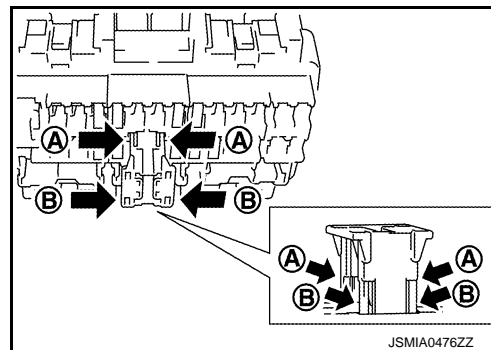
Type A

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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

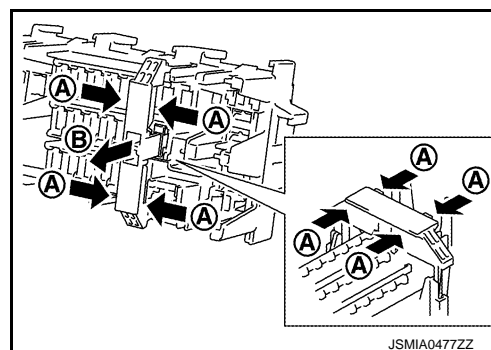


NOTE:

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

Type B

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

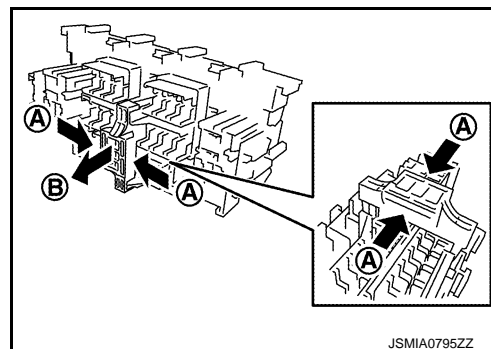


NOTE:

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

Type C

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



NOTE:

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

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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

Fusible Link

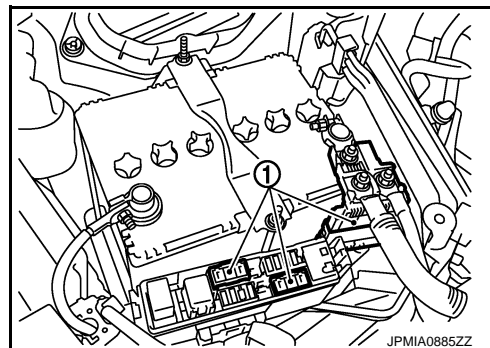
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A melted fusible link can be detected either by visual inspection or by feeling with finger tip. If its condition is questionable, use circuit tester or test lamp.

1 : Fusible link

CAUTION:

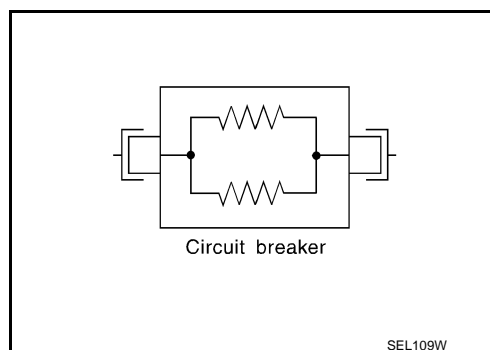
- If fusible link should melt, it is possible that critical circuit (power supply or large current carrying circuit) is shorted. In such a case, carefully check and eliminate cause of malfunction.
- Never wrap outside of fusible link with vinyl tape. Important: Never let fusible link touch any other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



Circuit Breaker

INFOID:000000009060931

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



OPTION HARNESS

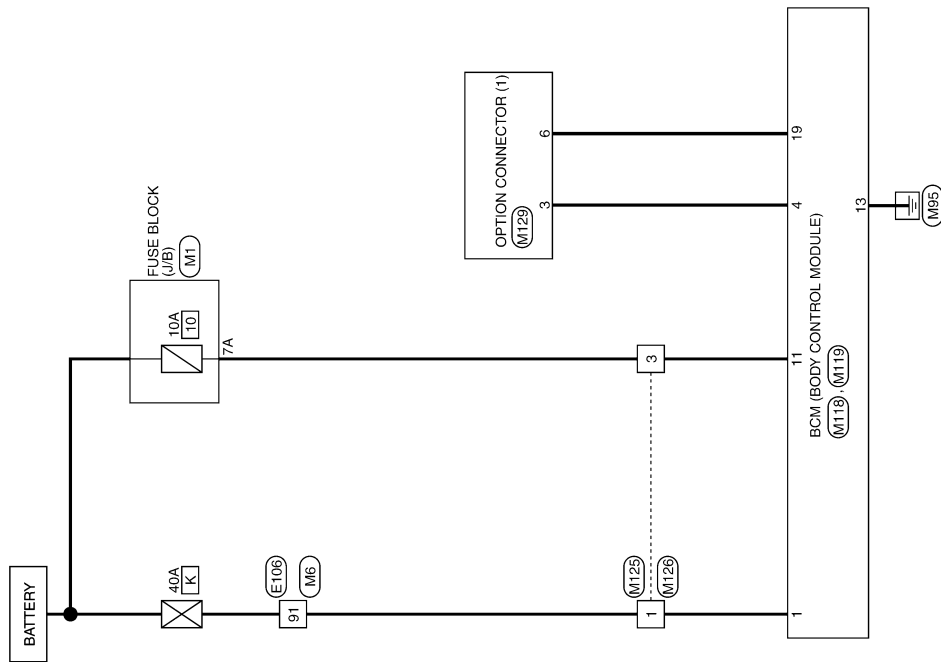
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

OPTION HARNESS

Wiring Diagram - OPTION HARNESS -

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OPTION HARNESS

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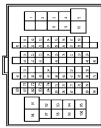
OPTION HARNESS

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

OPTION HARNESS

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

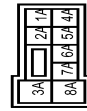


Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	W	-
3	B	-
4	GR	-
5	GR	-
6	Y	-
7	BR	-
8	BR	-
9	BR	-
10	BG	-
11	SB	-
12	BG	-
13	L	-
14	R	-
15	P	-
16	V	-
17	SB	-
18	V	-
19	BG	-
20	BG	-
21	L	-
22	V	-
23	G	-
24	P	-
25	Y	-
26	V	-
27	W	-
28	G	-
29	BG	-
30	B	-
31	B	-
32	W	-
33	B	-
34	R	-
35	G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

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

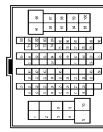
95	BG	-
96	P	-
97	R	-
98	SHIELD	-
99	L	-
100	P	-

Connector No.	M1
Connector Name	FUSE BLOCK (UB)
Connector Type	NS06FW-M2



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

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



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

4	SHIELD	-
5	G	-
6	Y	-
7	BR	-
8	R	-
9	R	-
10	BR	-
11	BG	-
12	BG	-
13	L	-
14	R	-
15	P	-
16	V	-
17	SB	-
18	V	-
19	BG	-
20	L	-
21	L	-
22	W	-
23	P	-
24	BR	-
25	Y	-
26	V	-
27	G	-
28	G	-
29	L	-
30	G	-
31	G	-
32	B	-
33	W	-
34	R	-
35	SHIELD	-
36	V	-
37	BG	-
38	BR	-
39	W	-
40	L	-
41	G	-
42	SB	-
43	BG	-
44	W	-
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46	P	-
47	R	-
48	Y	-
49	G	-
50	BR	-
51	Y	-
52	G	-
53	W	-
54	L	-
55	G	-
56	SB	-
57	G	-
58	B	-
59	W	-
60	R	-
61	SHIELD	-
62	G	-
63	G	-
64	B	-
65	W	-
66	R	-
67	SHIELD	-

OPTION HARNESS

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

OPTION HARNESS

68	Y	-
69	GR	-
70	LG	-
71	LG	-
72	Y	-
73	SB	-
74	BR	- [Without ICC]
74	L	- [Without ICC]
75	G	-
76	GR	- [Without ICC]
76	W	- [Without ICC]
77	P	- [Without ICC]
77	R	- [Without ICC]
78	L	- [Without ICC]
78	R	- [Without ICC]
79	W	- [Without ICC]
79	Y	- [Without ICC]
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81	SB	-
82	SB	-
83	V	-
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85	L	-
86	P	-
87	W	-
89	GR	-
90	SHIELD	-
91	W	-
92	Y	-
93	BR	-
94	P	-
95	GR	-
96	W	-
97	L	-
98	SHIELD	-
99	V	-
100	SB	-

Connector No.	MT18
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	M03FB-LC



H.S.

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

Connector No.	MT25
Connector Name	WIRE TO WIRE
Connector Type	M03FW-LC



H.S.

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

Connector No.	MT29
Connector Name	OPTION CONNECTOR (1)
Connector Type	TH08MW-NH



H.S.

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

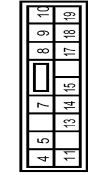
Connector No.	MT26
Connector Name	WIRE TO WIRE
Connector Type	M03MW-LC



H.S.

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

Connector No.	MT19
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	NS16FW-CS



H.S.

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

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HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

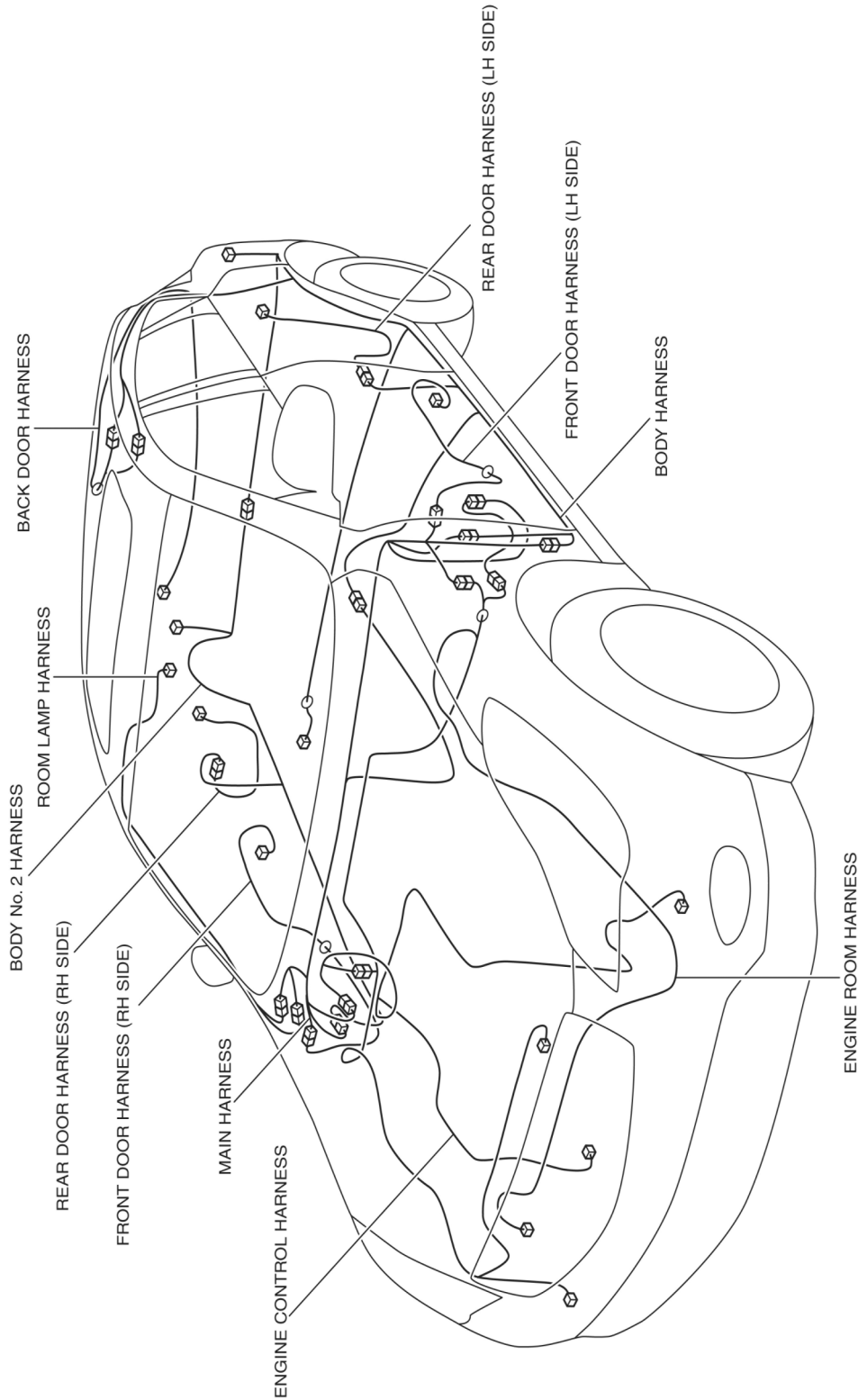
[POWER SUPPLY & GROUND CIRCUIT]

HARNESS LAYOUT

Outline

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OUTLINE



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HARNESS LAYOUT

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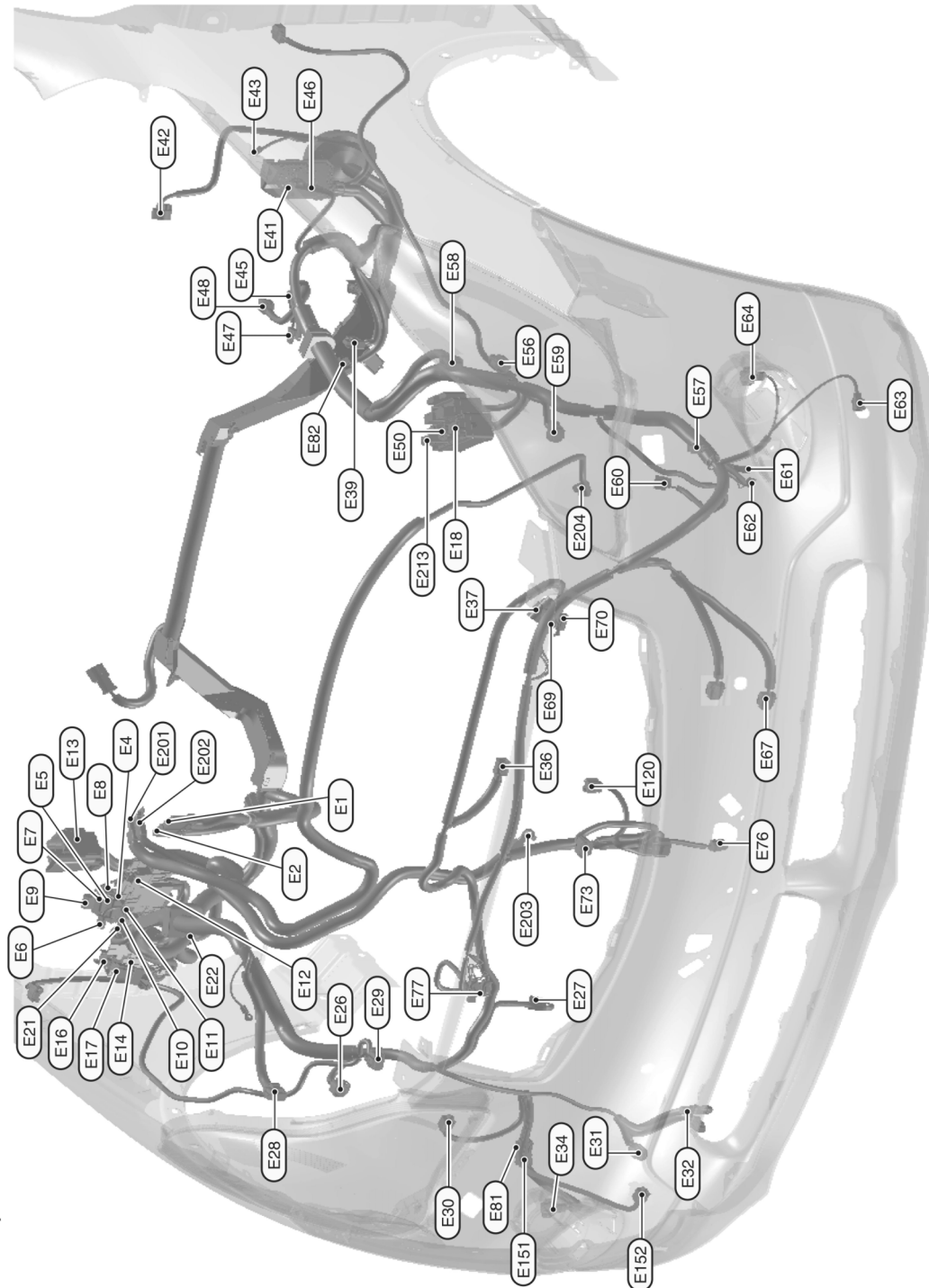
[POWER SUPPLY & GROUND CIRCUIT]

Engine Room Harness

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ENGINE COMPARTMENT

ENGINE ROOM HARNESS /
Engine Compartment



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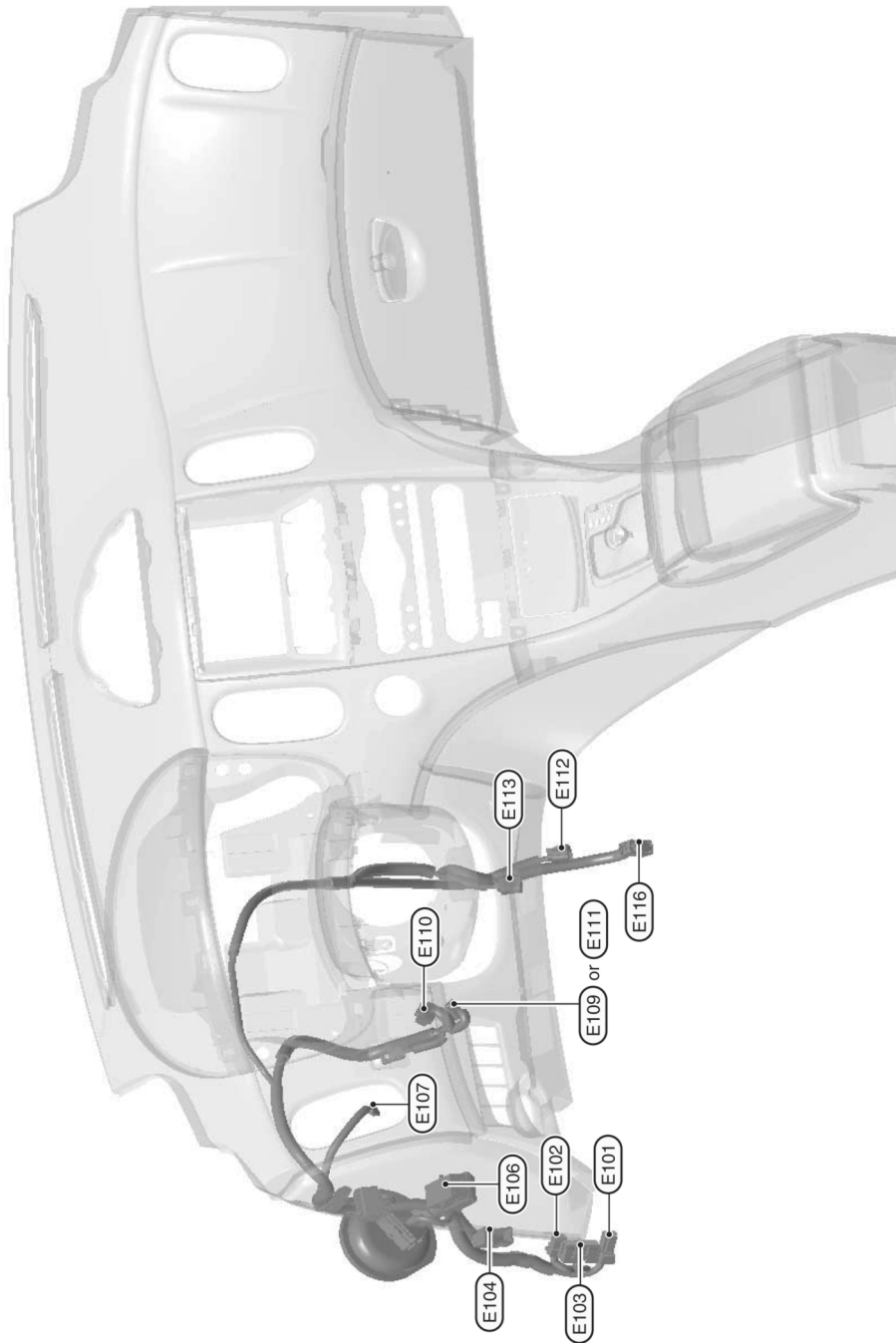
HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

PASSENGER COMPARTMENT

Passenger Compartment



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HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

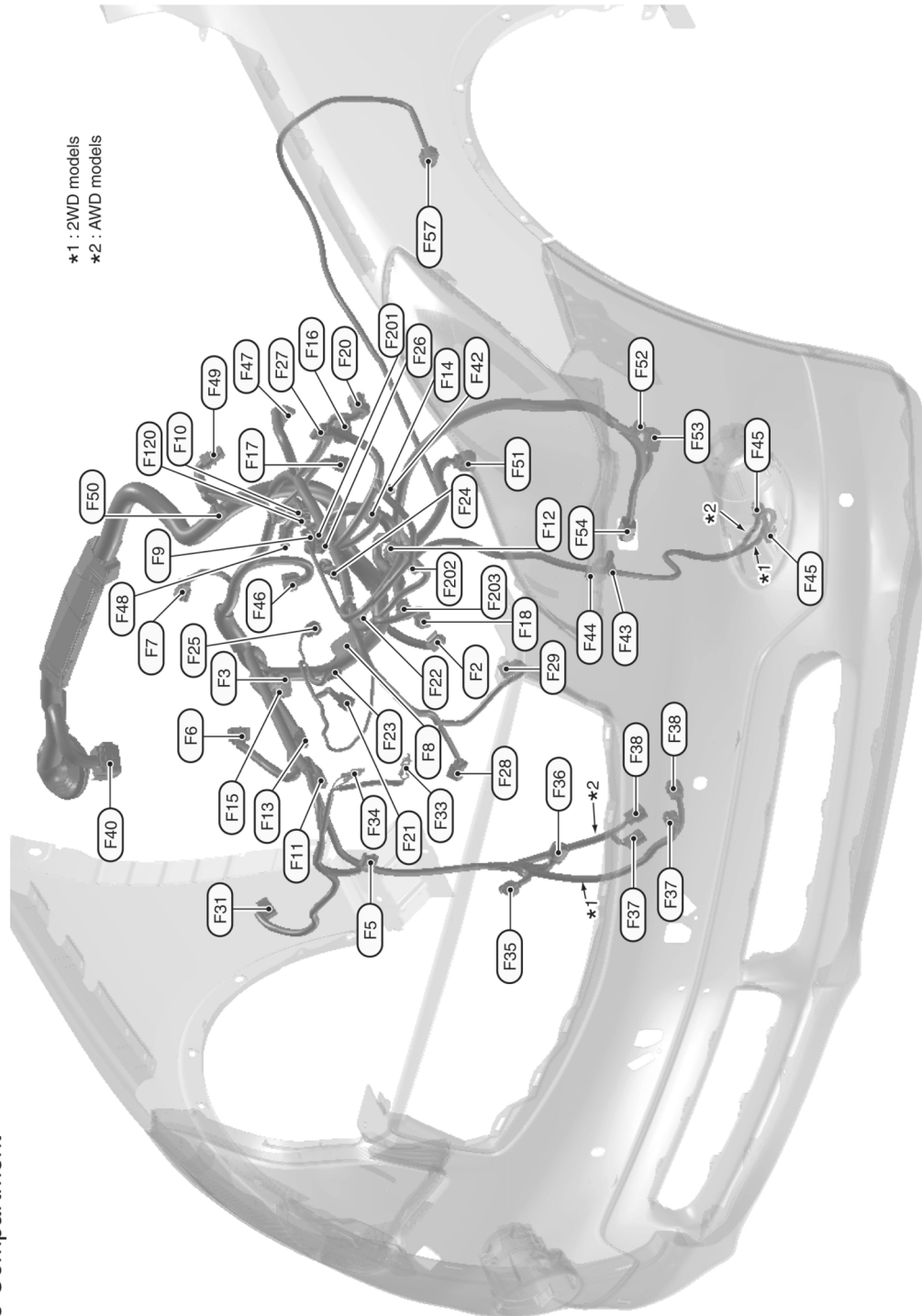
[POWER SUPPLY & GROUND CIRCUIT]

Engine Control Harness

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ENGINE COMPARTMENT

ENGINE CONTROL HARNESS /
Engine Compartment



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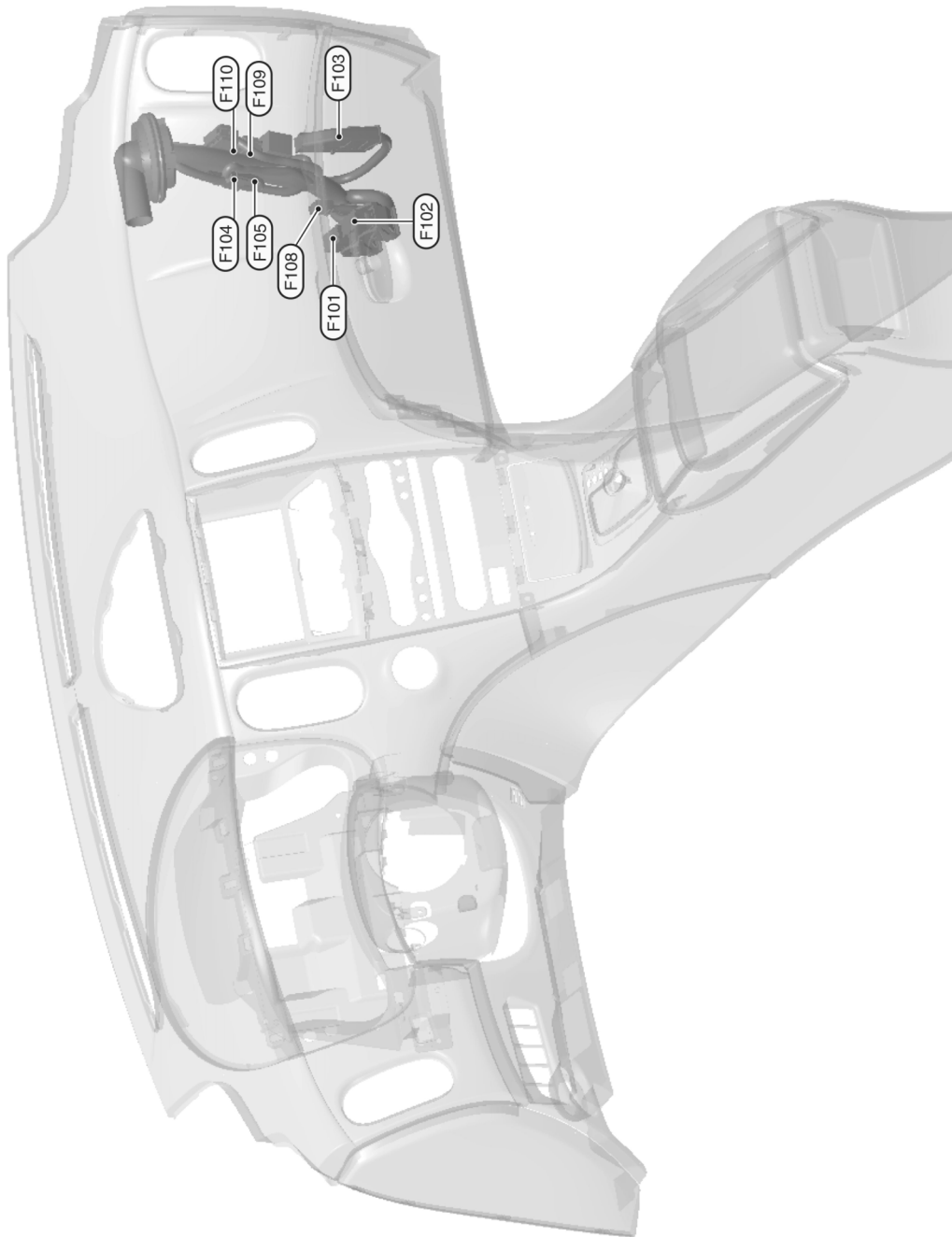
HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

PASSENGER COMPARTMENT

Passenger Compartment



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2012/06/11

HARNESS LAYOUT

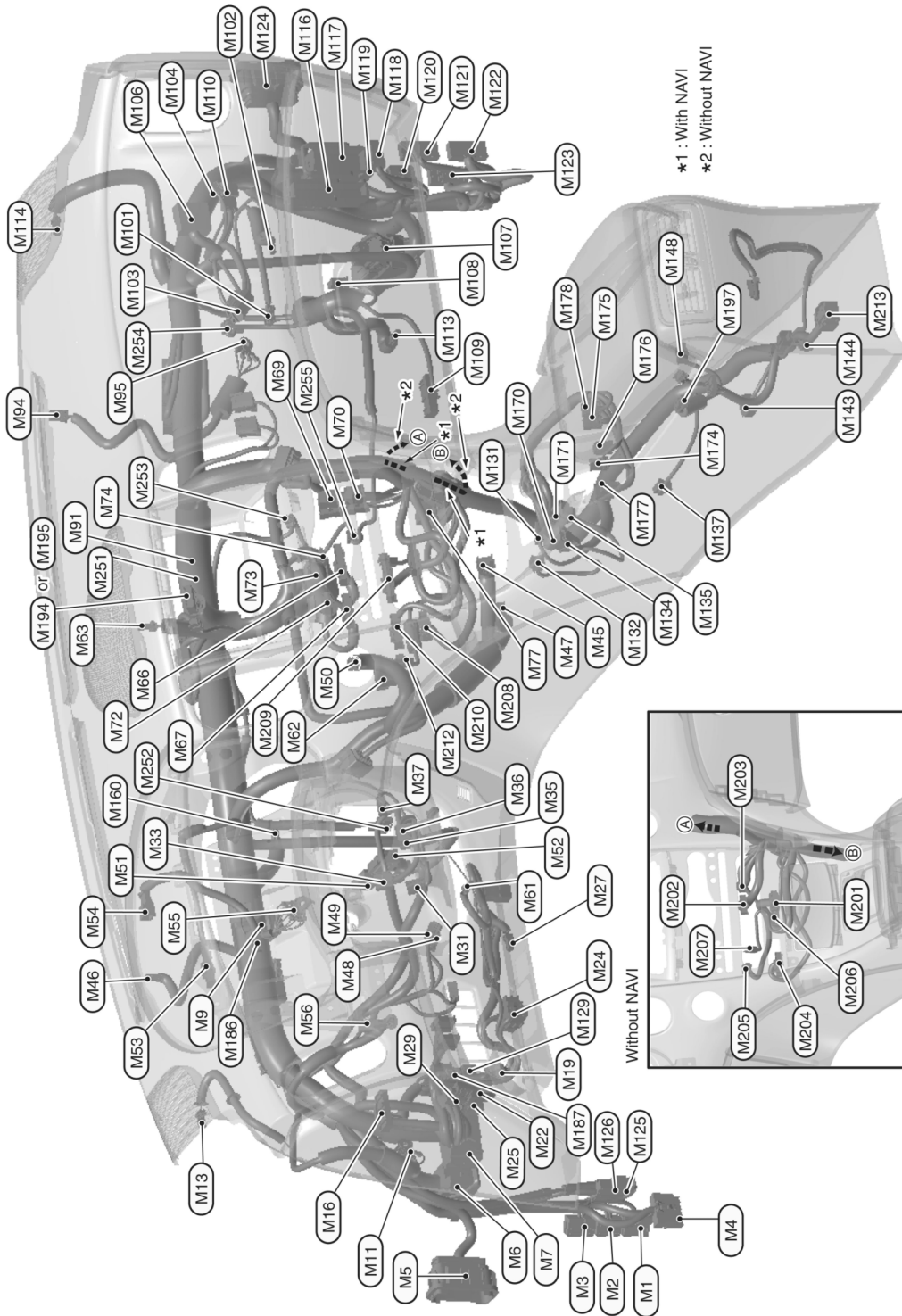
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Main Harness

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MAIN HARNESS



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HARNESS LAYOUT

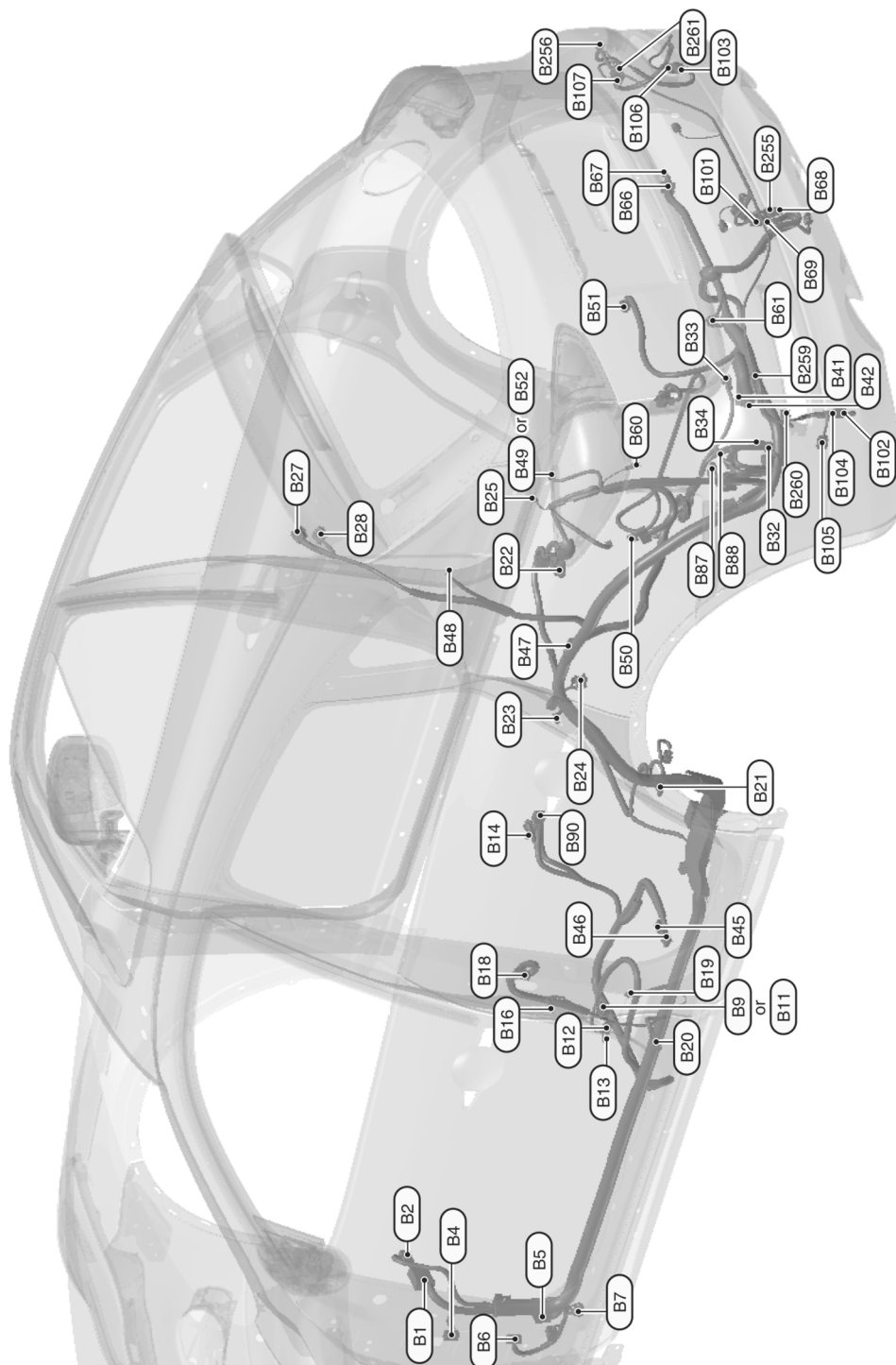
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[POWER SUPPLY & GROUND CIRCUIT]

Body Harness

INFOID:0000000009060938

BODY HARNESS



2012/06/11

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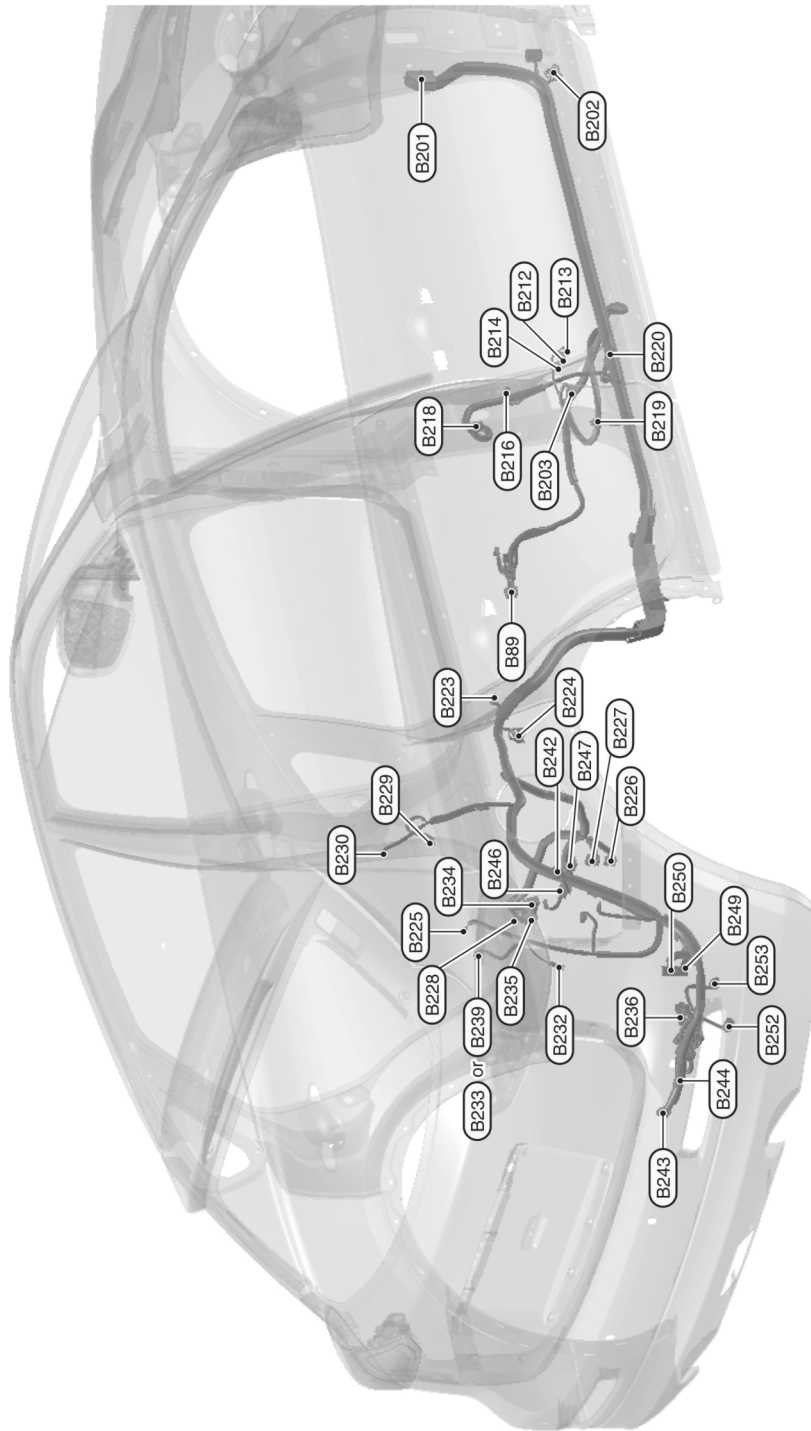
HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BODY No. 2 HARNESS

BODY No. 2 HARNESS



2012/06/11
JRMIC1850GB

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HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

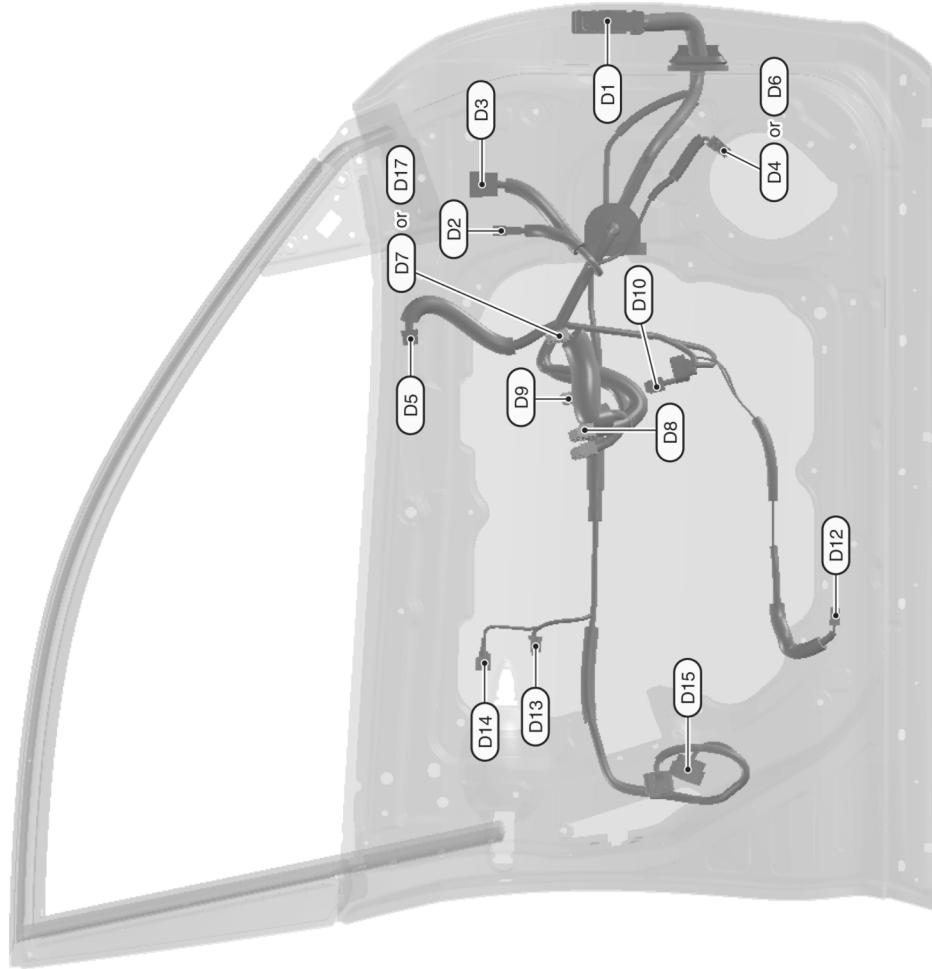
[POWER SUPPLY & GROUND CIRCUIT]

Door Harness

INFOID:000000009060939

FRONT DOOR HARNESS (LH SIDE)

FRONT DOOR HARNESS (LH SIDE)



2012/06/11

JRMIC1852GB

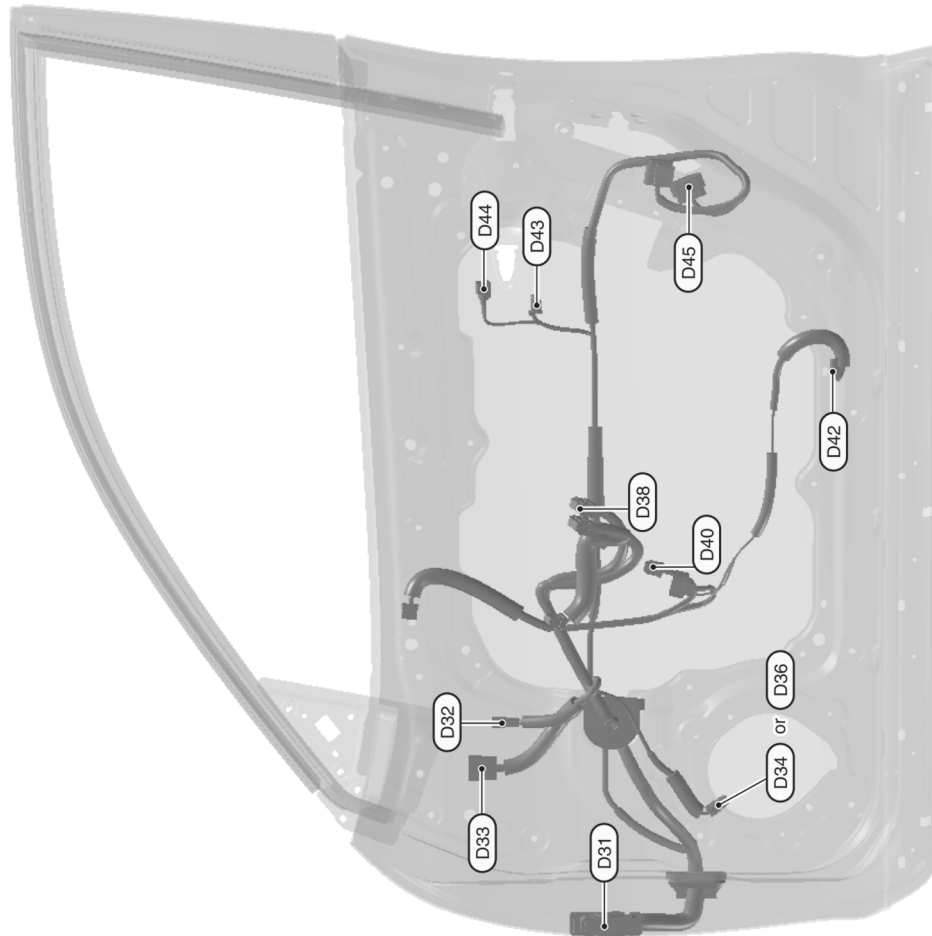
HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

FRONT DOOR HARNESS (RH SIDE)

FRONT DOOR HARNESS (RH SIDE)



JRMIC1853GB

2012/06/11

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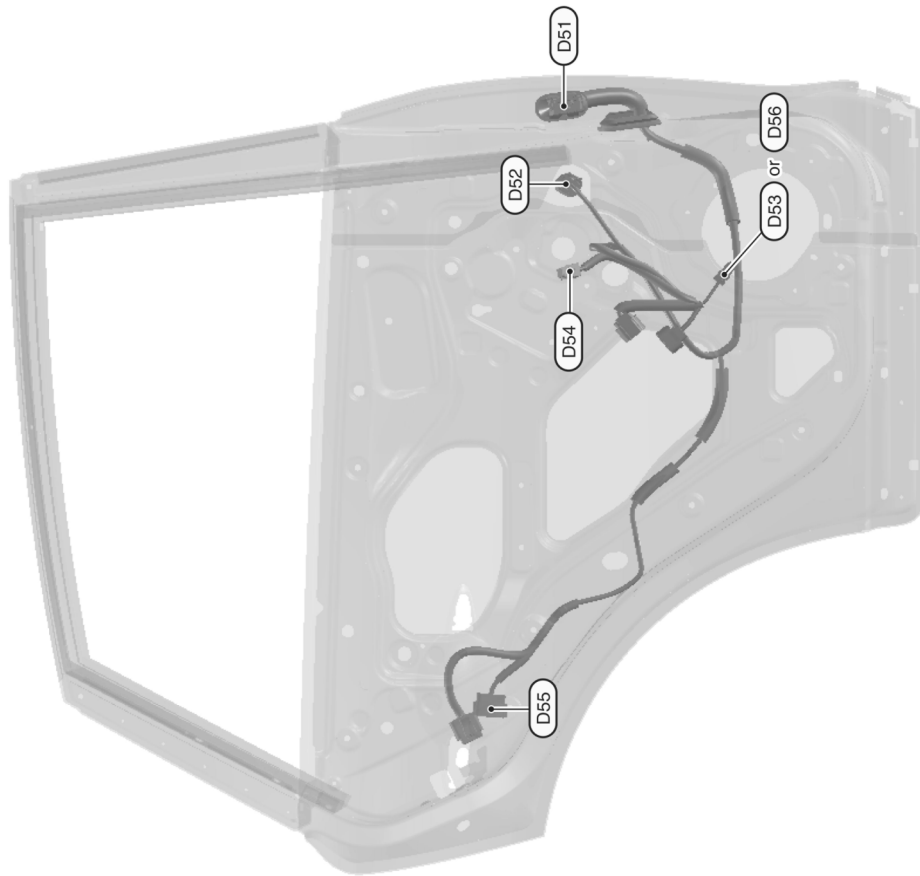
HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

REAR DOOR HARNESS (LH SIDE)

REAR DOOR HARNESS (LH SIDE)



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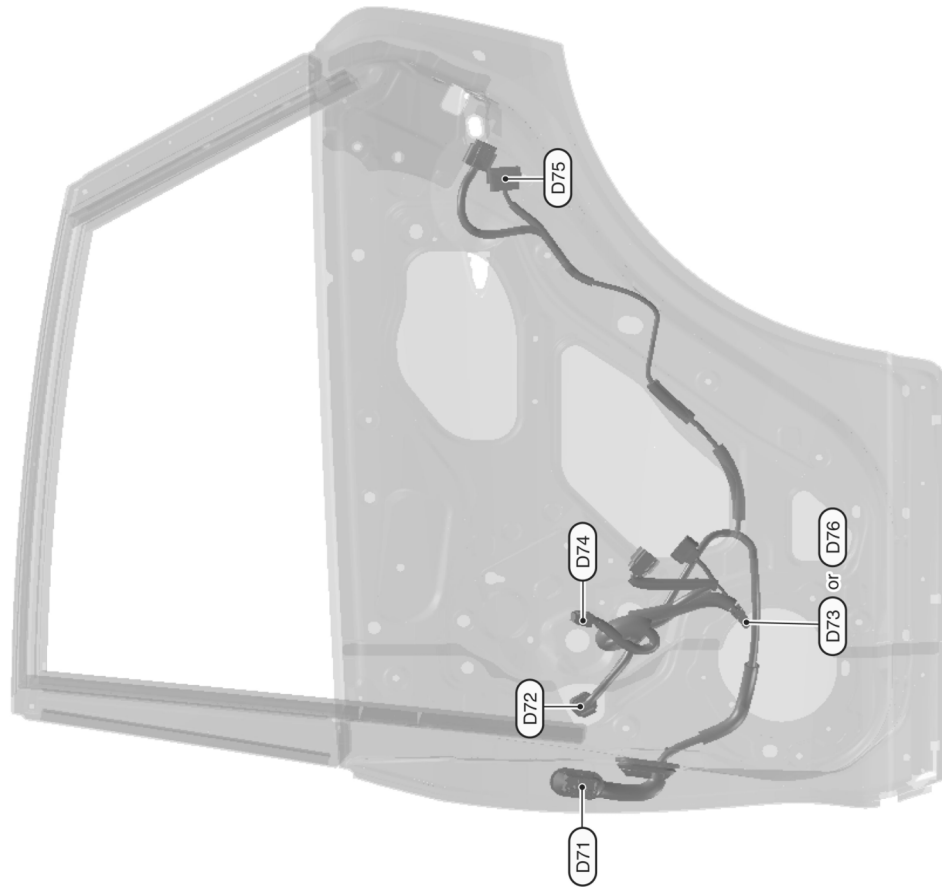
HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

REAR DOOR HARNESS (RH SIDE)

REAR DOOR HARNESS (RH SIDE)



2012/06/11

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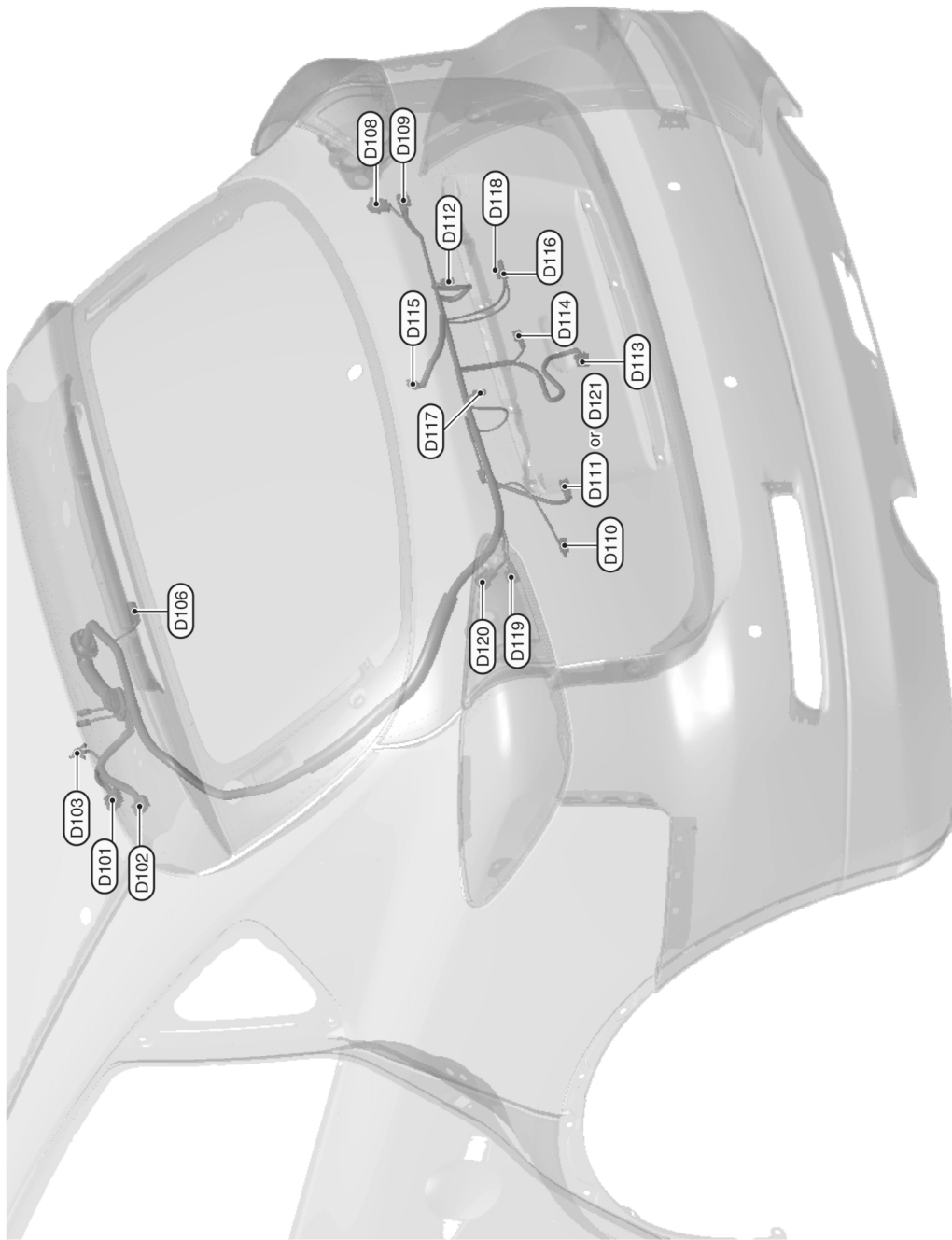
HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BACK DOOR HARNESS

BACK DOOR HARNESS



2013/02/11

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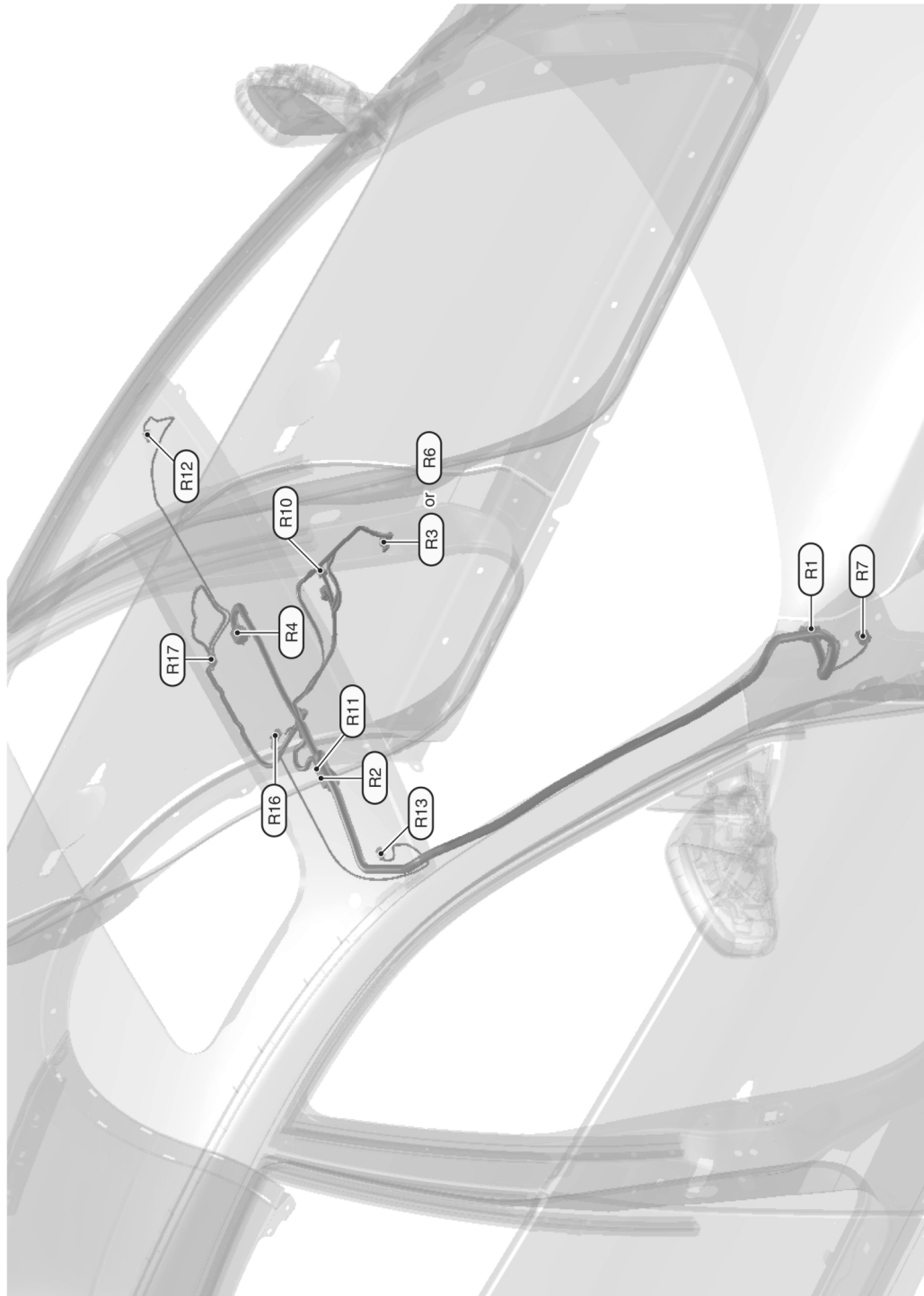
HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Room Lamp Harness

INFOID:000000009060940



ROOM LAMP HARNESS

2013/02/11

JRMIC2760GB

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HARNESS CONNECTOR

Description

INFOID:000000009060948

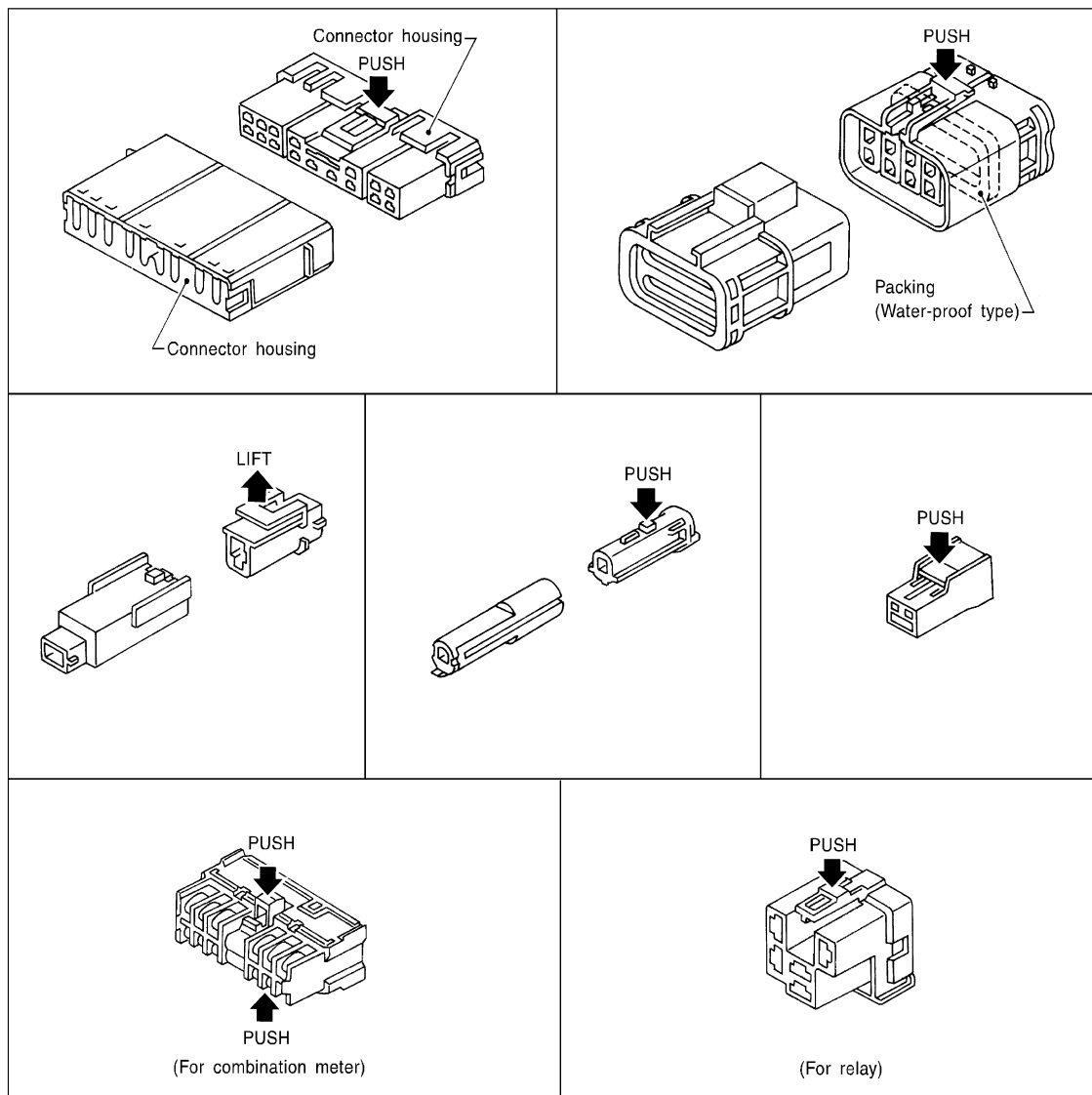
HARNESS CONNECTOR (TAB-LOCKING TYPE)

- 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

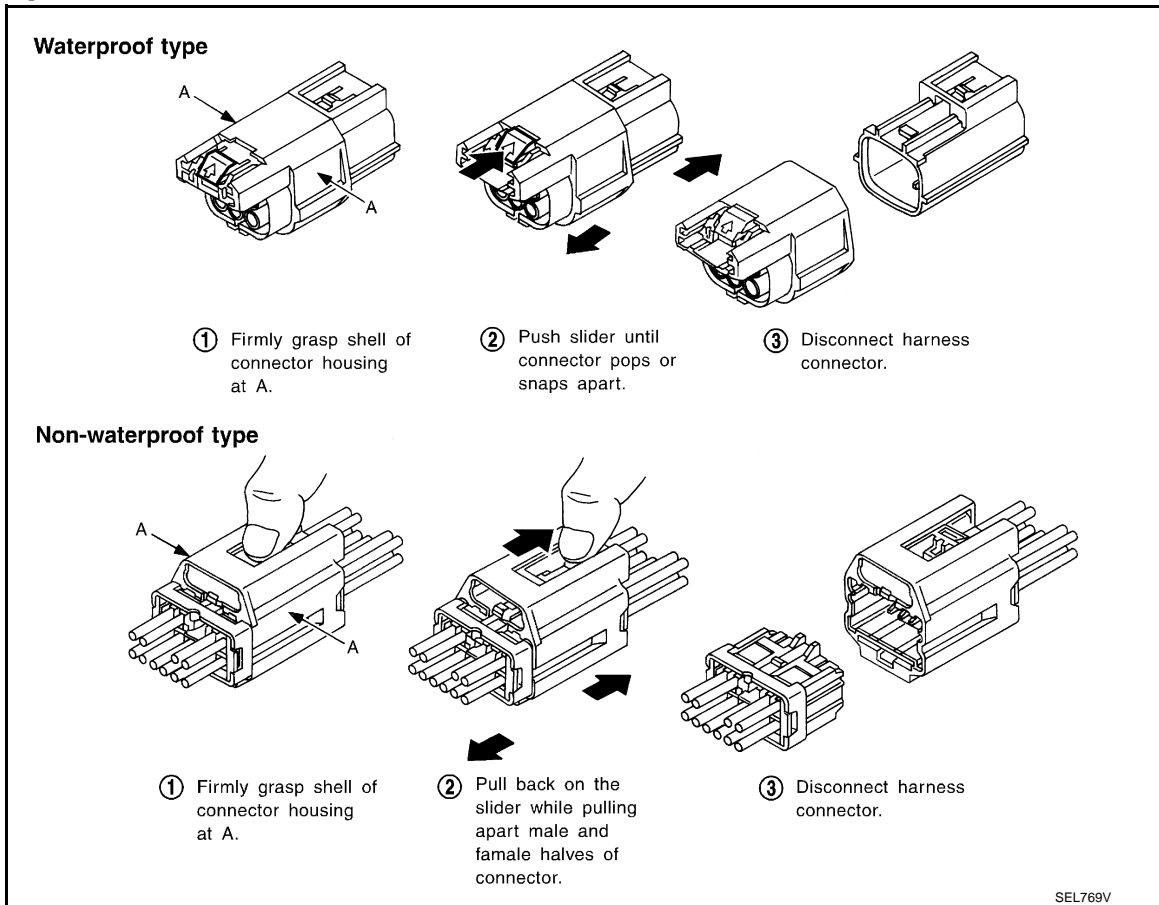
< DTC/CIRCUIT DIAGNOSIS >

[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.

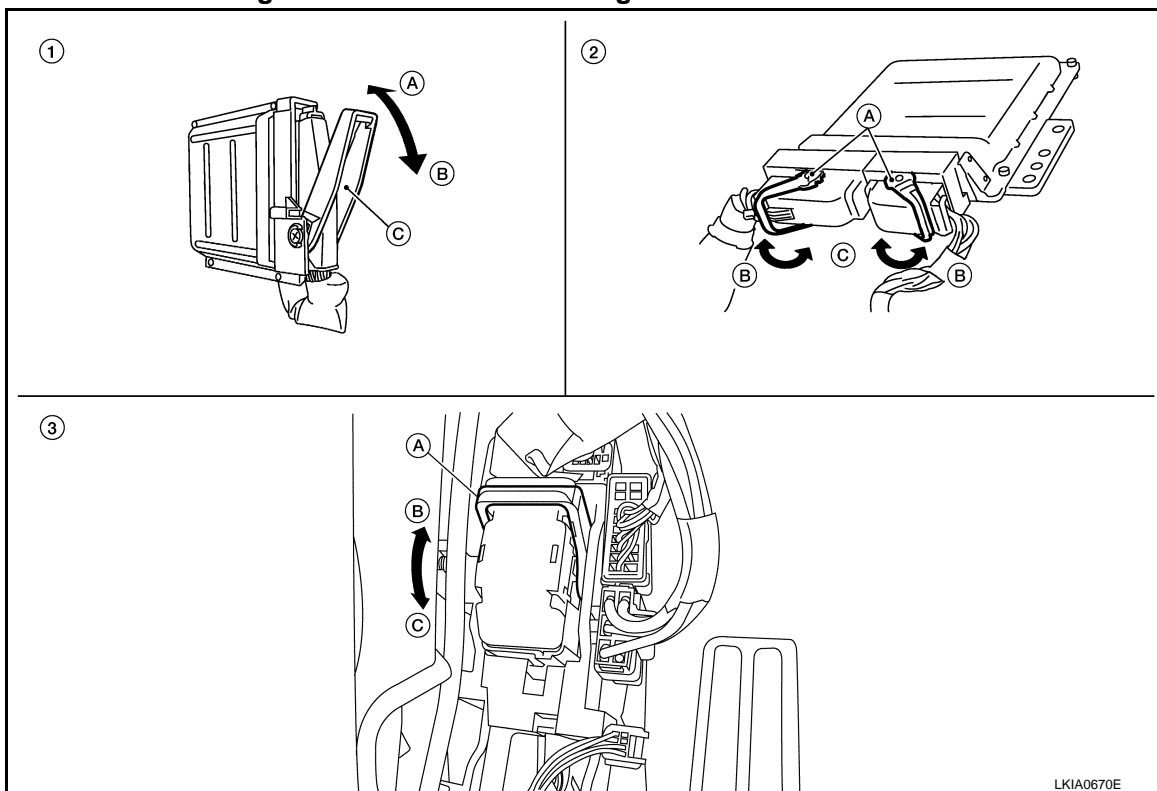
CAUTION:

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

LK1A0670E

STANDARDIZED RELAY

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

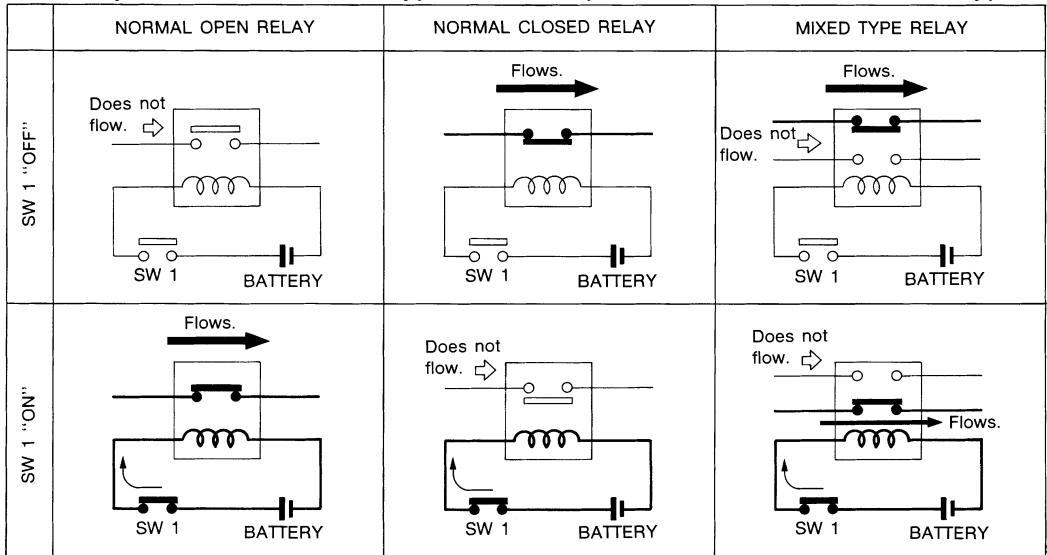
STANDARDIZED RELAY

Description

INFOID:000000009060949

NORMAL OPEN, NORMAL CLOSED AND MIXED TYPE RELAYS

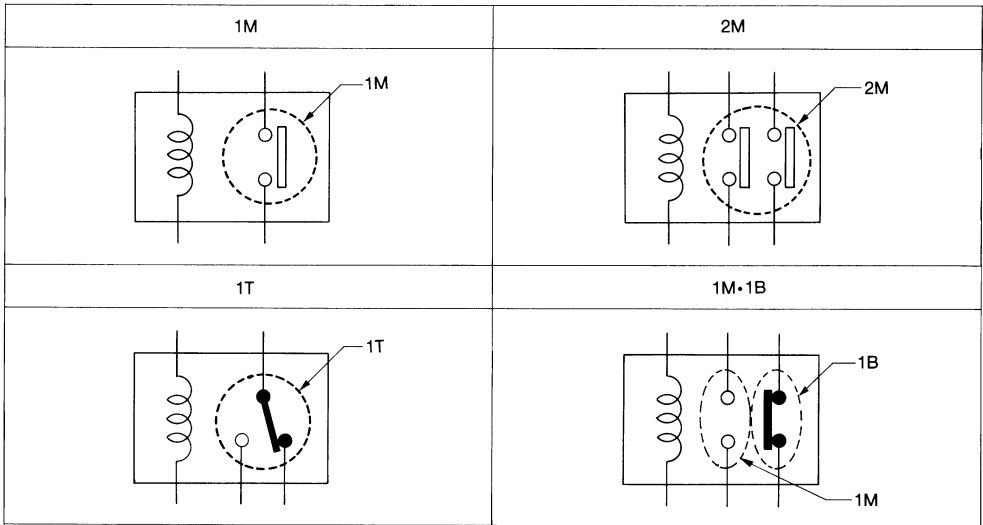
Relays can mainly be divided into three types: normal open, normal closed and mixed type relays.



SEL881H

TYPE OF STANDARDIZED RELAYS

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

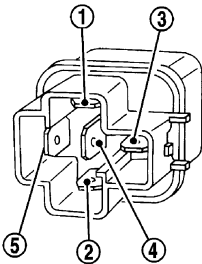
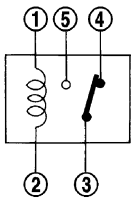
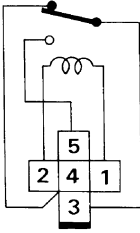
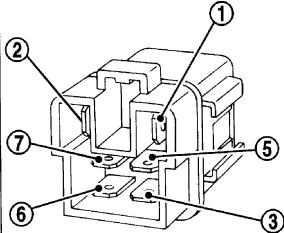
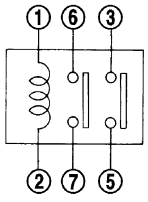
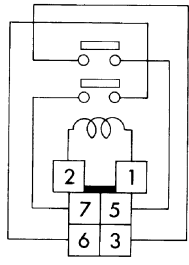
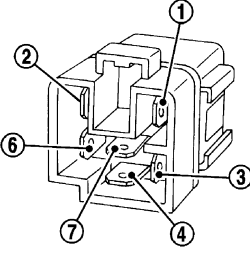
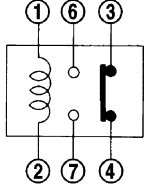
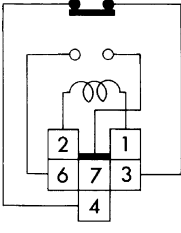
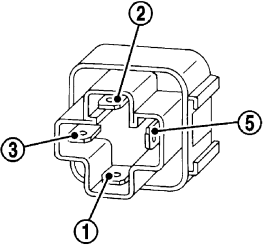
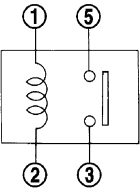
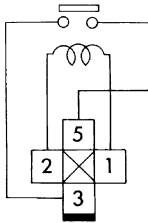
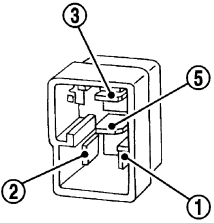
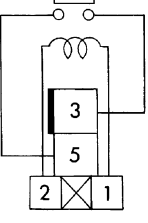


SEL882H

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)

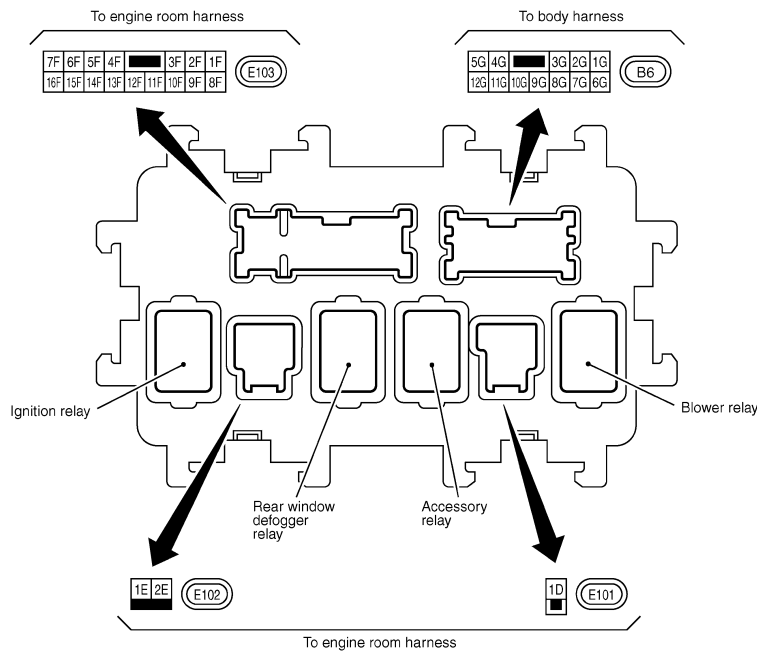
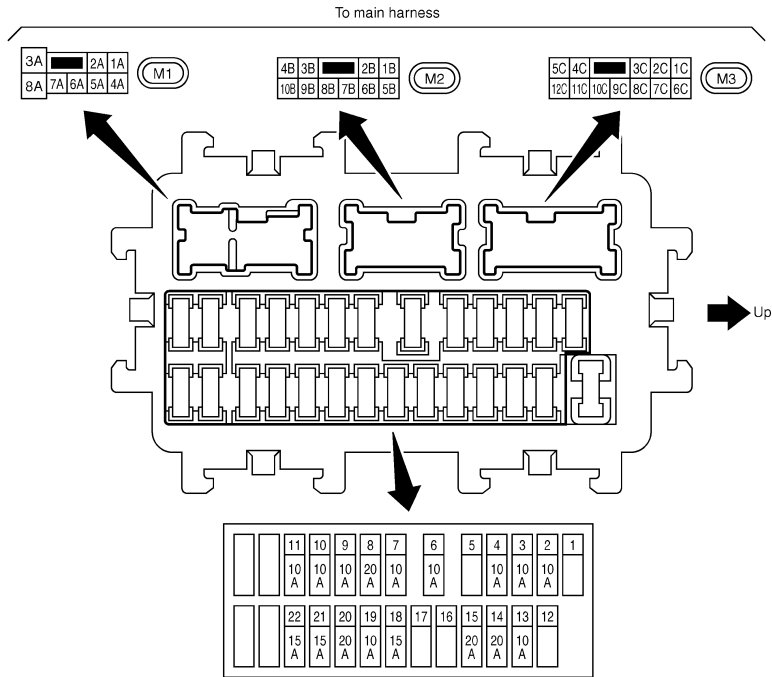
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

FUSE BLOCK - JUNCTION BOX (J/B)

Fuse, Connector and Terminal Arrangement

INFOID:000000009060950



2010/09/21

JCMWA6290GB

FUSE, FUSIBLE LINK AND RELAY BOX

< DTC/CIRCUIT DIAGNOSIS >

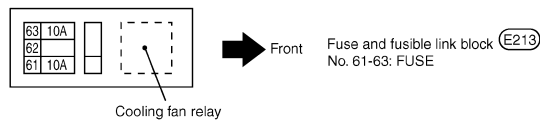
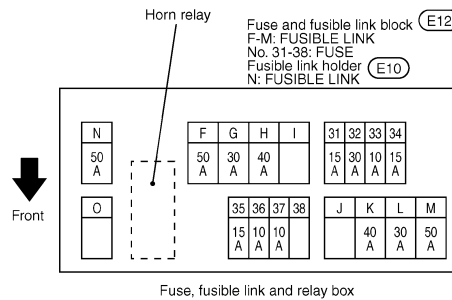
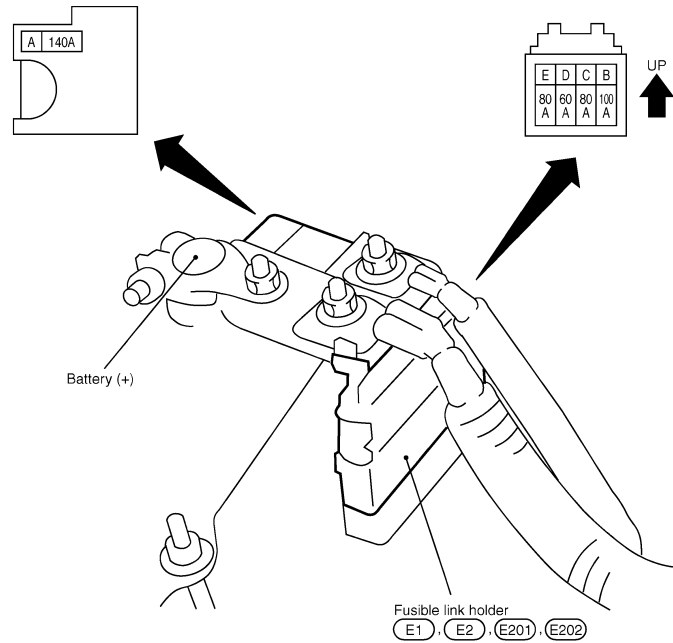
[POWER SUPPLY & GROUND CIRCUIT]

FUSE, FUSIBLE LINK AND RELAY BOX

Fuse and Fusible Link Arrangement

INFOID:000000009060951

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



2012/06/11

JRMWD2736GB

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

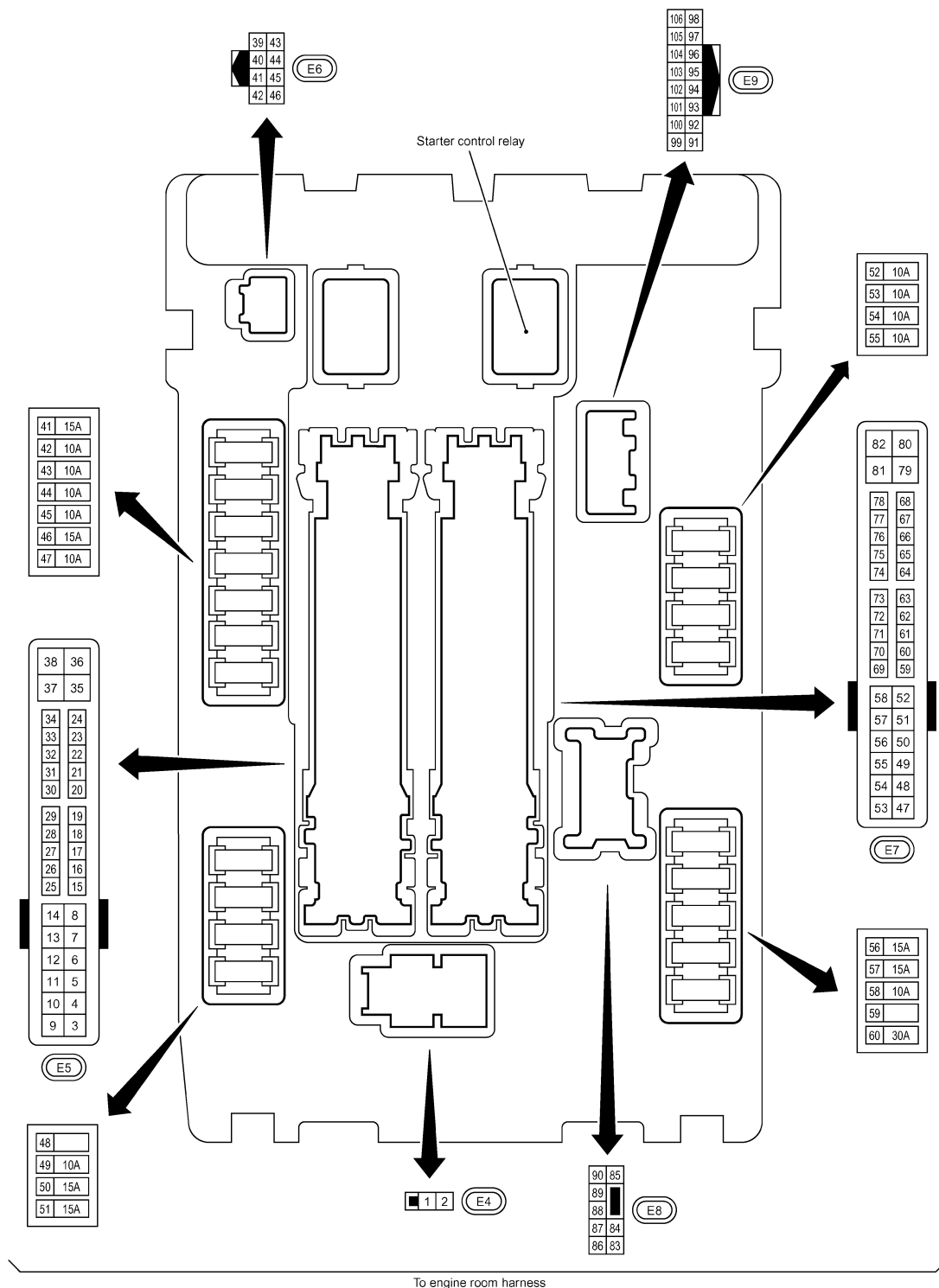
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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

Fuse, Connector and Terminal Arrangement

INFOID:000000009060952



2011/06/24

JRMWC4050GB

PRECAUTION

PRECAUTIONS

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

INFOID:000000009060953

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:

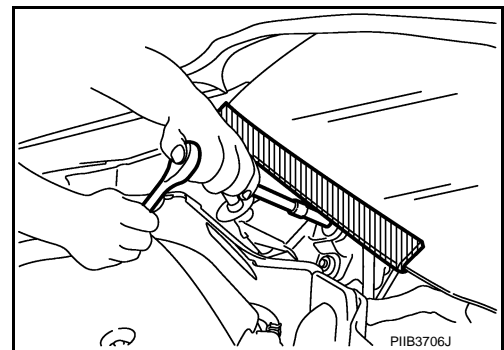
Always observe the following items for preventing accidental activation.

- 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:000000009060954

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


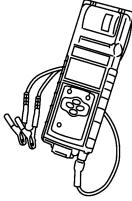


PREPARATION

PREPARATION

Special Service Tools

INFOID:0000000009060955

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

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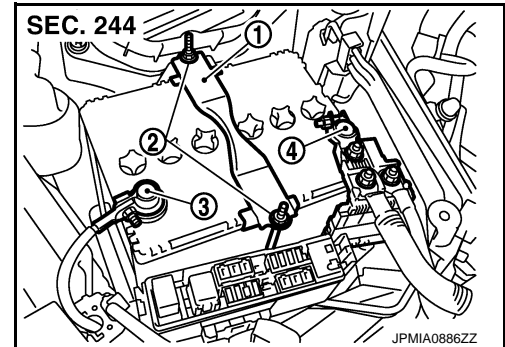
REMOVAL AND INSTALLATION

BATTERY

Exploded View

INFOID:000000009060956

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

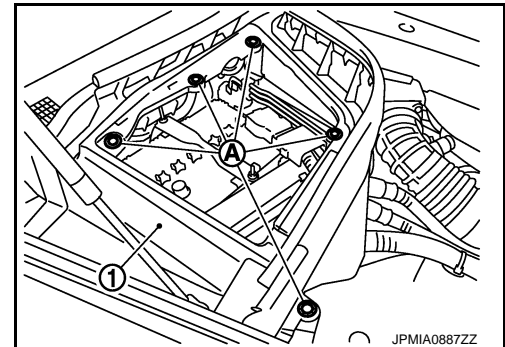


Removal and Installation

INFOID:000000009060957

REMOVAL

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

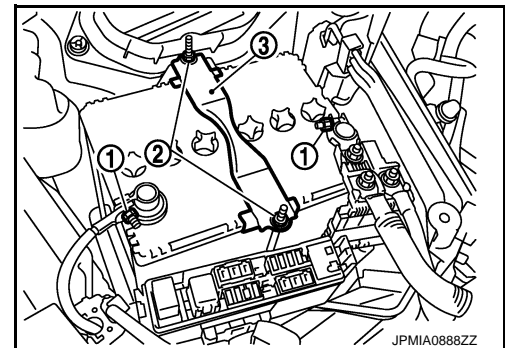


3. Remove cowl top cover RH. Refer to [EXT-22. "Exploded View"](#).
4. Remove cover of battery positive terminal.
5. Loosen battery terminal nuts (1), and disconnect both battery cables from battery terminals.

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-58, "ADDITIONAL SERVICE WHEN REMOVING BATTERY NEGATIVE TERMINAL : Required Procedure After Battery Disconnection"](#).

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BATTERY TERMINAL WITH FUSIBLE LINK

< REMOVAL AND INSTALLATION >

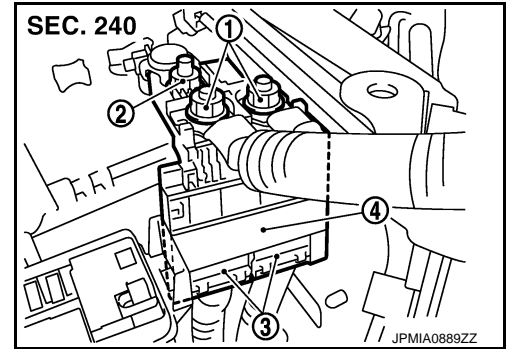
[POWER SUPPLY & GROUND CIRCUIT]

BATTERY TERMINAL WITH FUSIBLE LINK

Exploded View

INFOID:000000009060958

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

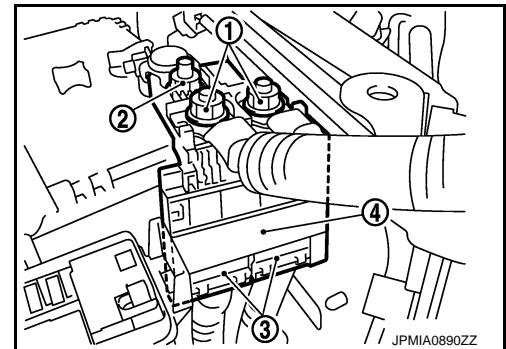


Removal and Installation

INFOID:000000009060959

REMOVAL

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



INSTALLATION

Install in the reverse order of removal.

Harness mounting nut

: 13.5 N·m (1.4 kg-m, 10 ft-lb)

Fusible link holder mounting nut

: 13.5 N·m (1.4 kg-m, 10 ft-lb)

SERVICE DATA AND SPECIFICATIONS (SDS)

< SERVICE DATA AND SPECIFICATIONS (SDS)

[POWER SUPPLY & GROUND CIRCUIT]

SERVICE DATA AND SPECIFICATIONS (SDS)

SERVICE DATA AND SPECIFICATIONS (SDS)

Battery

INFOID:0000000009060960

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

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