

SECTION **PG**

POWER SUPPLY, GROUND & CIRCUIT ELEMENTS

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BASIC INSPECTION

BATTERY

How to Handle Battery

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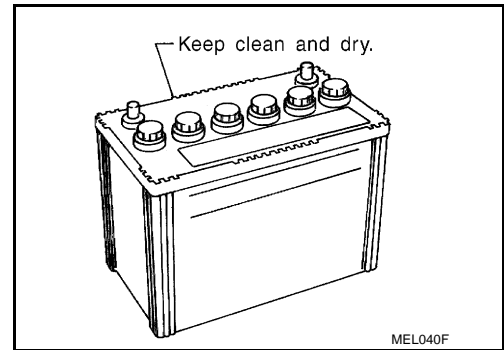
CAUTION:

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

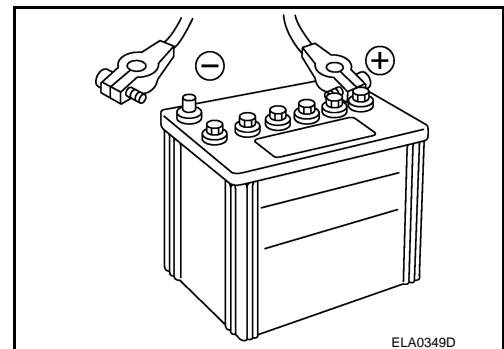
METHODS OF PREVENTING OVER-DISCHARGE

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

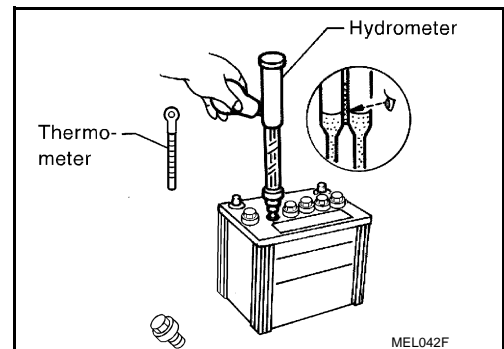
- The battery surface (particularly its top) should always be kept clean and dry.
- The terminal connections should be clean and tight.
- At every routine maintenance, check the electrolyte level. This also applies to batteries designated as "low maintenance" and "maintenance-free".



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



- 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.



CHECKING 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.

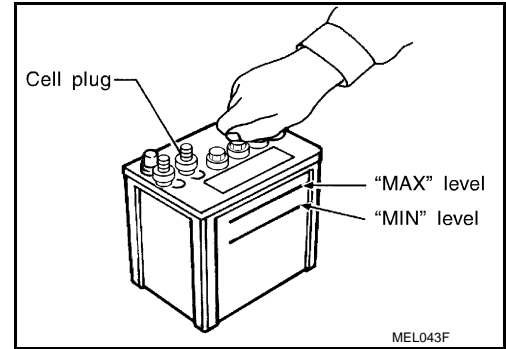
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BATTERY

[POWER SUPPLY & GROUND CIRCUIT]

< BASIC INSPECTION >

- Remove the cell plug using a suitable tool.
- Add distilled water up to the MAX level.

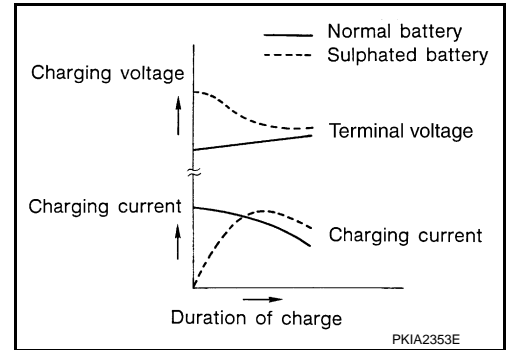


Sulphation

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.

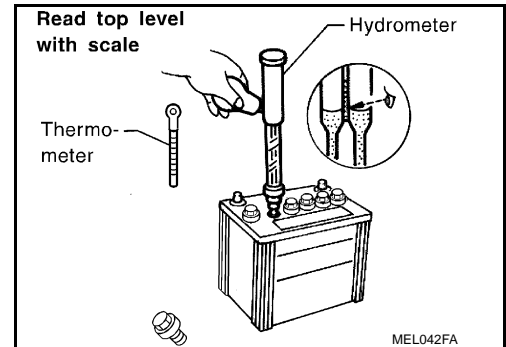
To determine if a battery has been "sulphated", note its voltage and current when charging it. As shown in the figure, less current and higher voltage are observed in the initial stage of charging sulphated batteries.

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

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
4 (40)	-0.016
-1 (30)	-0.020
-7 (20)	-0.024

BATTERY

< BASIC INSPECTION >

[POWER SUPPLY&GROUND CIRCUIT]

Battery electrolyte temperature [°C (°F)]	Add to specific gravity reading
-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

Amps	Time
50	1 hour
25	2 hours
10	5 hours
5	10 hours

Do not charge at more than 50 ampere rate.

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.

Work Flow

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TROUBLE DIAGNOSIS WITH BATTERY SERVICE CENTER

For battery testing, use Battery Service Center (J-48087). For details and operating instructions, refer to Technical Service Bulletin and/or Battery Service Center User Guide.

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

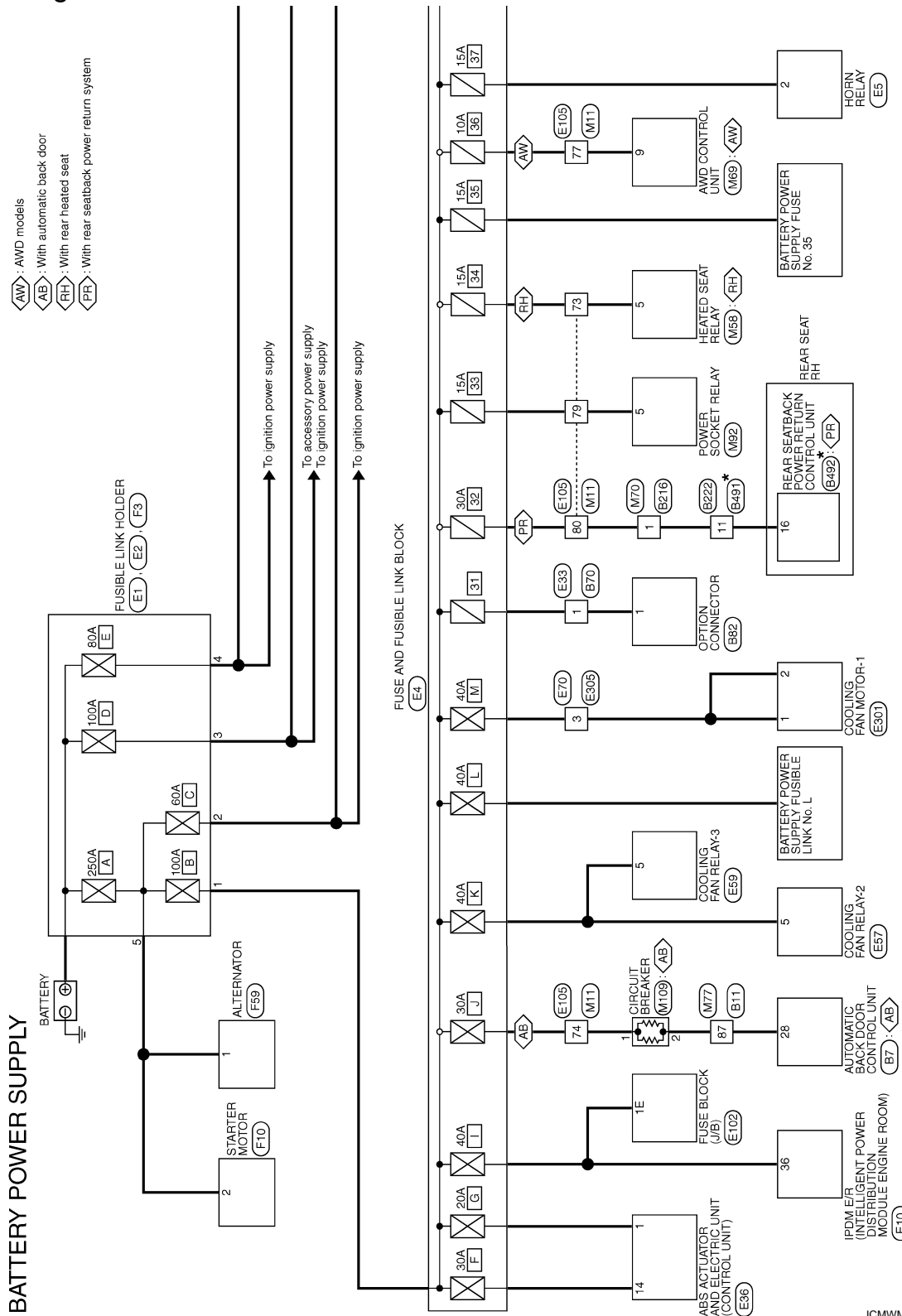
[POWER SUPPLY&GROUND CIRCUIT]

DTC/CIRCUIT DIAGNOSIS

POWER SUPPLY ROUTING CIRCUIT

Wiring Diagram - BATTERY POWER SUPPLY -

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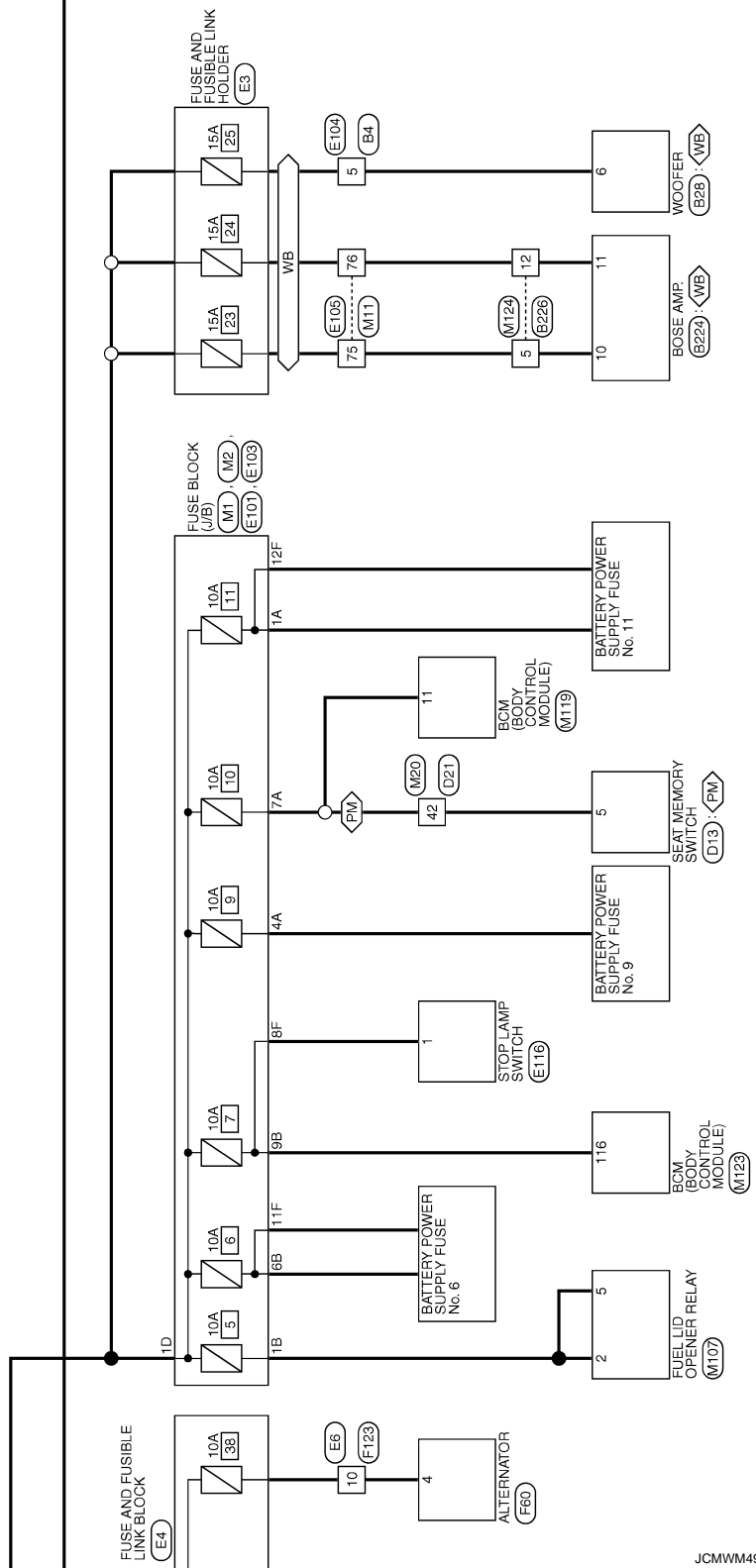


POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY&GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

◊WB◊ : With BOSE system
 ◊PM◊ : With automatic drive positioner



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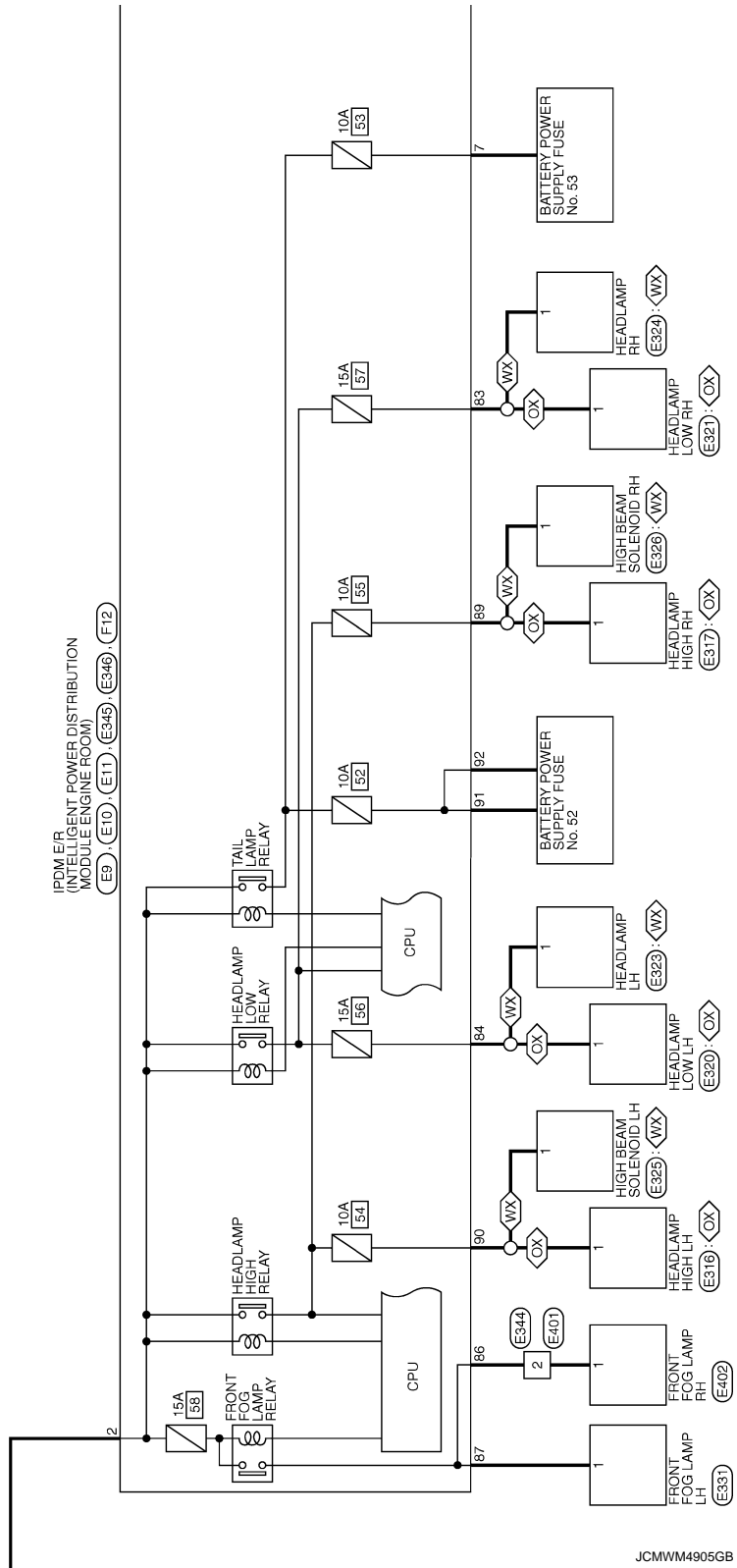
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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

WX : With xenon headlamp
OX : Without xenon headlamp



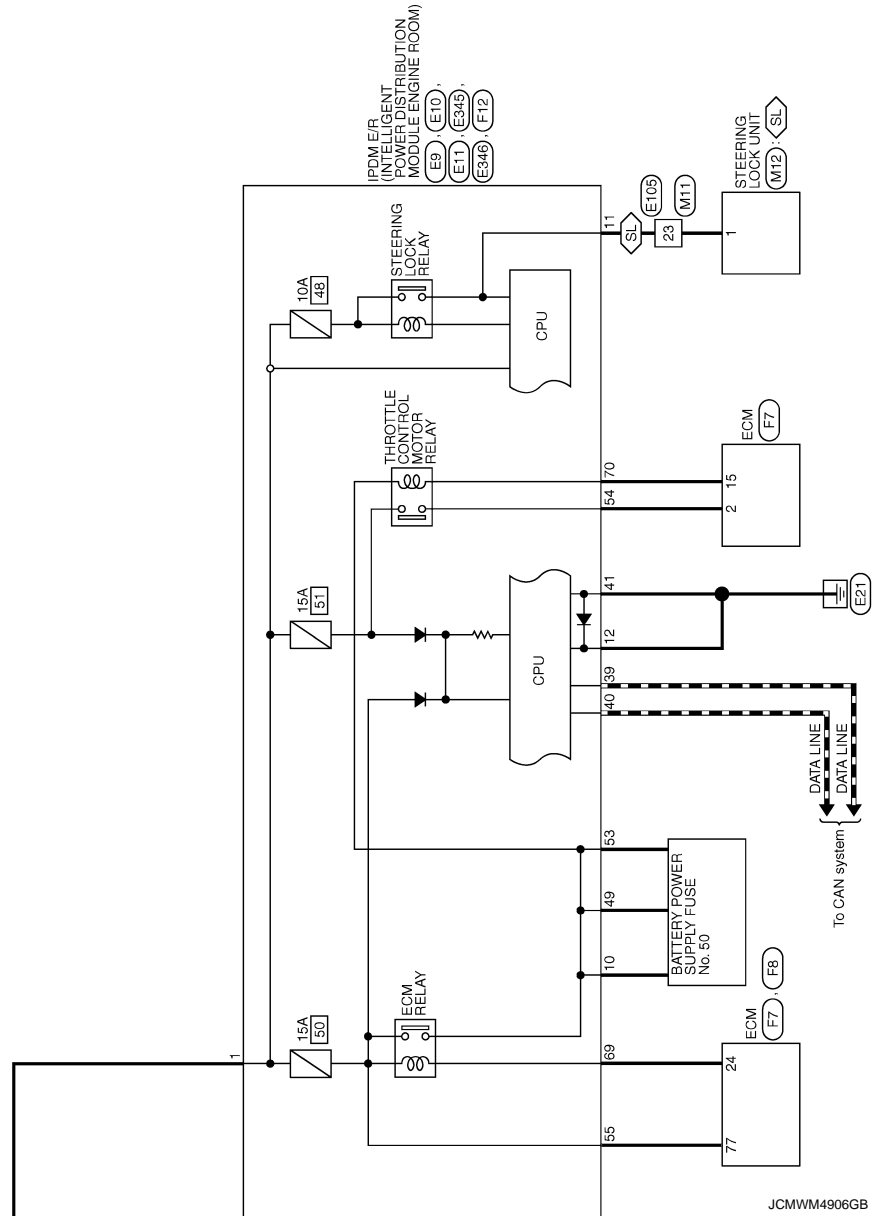
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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

ⓈL : With steering lock unit



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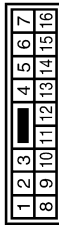
POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY&GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

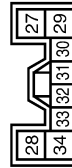
BATTERY POWER SUPPLY

Connector No.	B4
Connector Name	WIRE TO WIRE
Connector Type	HS16MW-CS



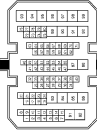
Terminal No.	Color of Wire	Signal Name [Specification]
1	SB	-
2	W	-
3	W	-
4	R	-
5	O	-
6	P	-
7	L	-
8	B	-
9	LG	-
10	V	-
11	L	-
12	BR	-
13	P	-
14	BR	-
15	O	-
16	G	-

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



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

Connector No.	B11
Connector Name	WIRE TO WIRE
Connector Type	TH80MH-CS19



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

44	BR	-
45	L	-
46	GR	-
47	V	-
48	GR	- [With rear view camera and telephone]
49	BR	- [With rear view camera without telephone]
50	SHIELD	-
51	B	-
52	B	-
53	Y	-
54	LG	-
55	BR	-
56	P	-
57	L	-
58	R	-
59	SHIELD	-
60	B	-
61	R/L	-
62	R/W	-
63	LG	-
64	Y	-
65	GR	-
67	G	-
68	R	-
69	SHIELD	-
70	W/R	-
71	B/R	-
72	Y	-
73	LG	-
74	SB	-
75	L	-
76	R	-
77	R	-
78	SHIELD	-
79	B	-
80	W	-
81	R	-
82	L	-
83	BR	-
84	O	-
85	G	-
86	SB	-
87	R	-
88	G	-
89	GR	-
90	Y	-
91	G	-
92	BR	-
93	G	-
94	V	-
95	BR	-

96	GR	-
97	R	-
98	LG	-
99	O	-

Connector No.	B28
Connector Name	WOOFER
Connector Type	HS08FGY-PR



Terminal No.	Color of Wire	Signal Name [Specification]
1	W/R	SOUND SIGNAL WOOFER (-)
2	B/R	SOUND SIGNAL WOOFER (+)
4	W	WOOFER AMP. ON SIGNAL
5	B/W	GND
6	O	BAT

Connector No.	B70
Connector Name	WIRE TO WIRE
Connector Type	HM01MW-GY-PS



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

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POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY&GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

BATTERY POWER SUPPLY

Connector No.	B82
Connector Name	OPTION CONNECTOR
Connector Type	MODFW-LC



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

Connector No.	B216
Connector Name	WIRE TO WIRE
Connector Type	NS16MBR-CS



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

Connector No.	B222
Connector Name	WIRE TO WIRE
Connector Type	NS09FBR-CS



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

Connector No.	B224
Connector Name	BOSE AMP
Connector Type	SGA12FBR-SJA2



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

Connector No.	B226
Connector Name	WIRE TO WIRE
Connector Type	NS12MBR-CS



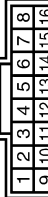
Terminal No.	Color of Wire	Signal Name [Specification]
1	V	-
2	BR	-
3	W	-
4	V	-
5	SB	-
8	P	-
7	Y	-
8	B	-
9	L	-
10	P	-
11	LG	-
12	GR	-

Connector No.	B481
Connector Name	WIRE TO WIRE
Connector Type	NS08MBR-CS



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

Connector No.	B482
Connector Name	REAR SEATBACK POWER RETURN CONTROL UNIT
Connector Type	SEA16FW



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

Connector No.	D13
Connector Name	SEAT MEMORY SWITCH
Connector Type	AG8FW



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

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POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY&GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

BATTERY POWER SUPPLY

Connector No.	D21
Connector Name	WIRE TO WIRE
Connector Type	TH40YW-CS15

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



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

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

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

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

Connector No.	E2
Connector Name	FUSIBLE LINK HOLDER
Connector Type	LO2FBR-MC-B

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

Connector No.	E5
Connector Name	HORN RELAY
Connector Type	-



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

Connector No.	E6
Connector Name	WIRE TO WIRE
Connector Type	TK16MGY-IV



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

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

Connector No.	E8
Connector Name	POWER INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	LO2FB-MC



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

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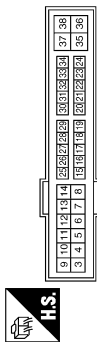
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

BATTERY POWER SUPPLY

Connector No.	E10
Connector Name	SWAYLE INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	TH20PW-CS12-M4-1V



Terminal No.	Color of Wire	Signal Name [Specification]
4	LG	-
5	Y	-
7	GR	-
10	BR	-
11	P	-
12	B	-
13	SB	-
15	W	-
16	L/Y	-
19	Y	-
20	L	-
21	O	-
22	SB	-
23	GR	-
24	G	-
25	GR	-
26	Y	-
27	W	-
28	SB	-
30	BR	-
32	V	-
33	G	-
34	O	-
35	P	-
36	G	-
38	GR	-

Connector No.	E11
Connector Name	SWAYLE INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	TH30PW-NH



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

Connector No.	E33
Connector Name	WIRE TO WIRE
Connector Type	MD1FW-GY-LC

Connector No.	E36
Connector Name	ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT)
Connector Type	AE22ZF8-AJZ4-LH



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	VALVE/ECU SUPPLY
2	Y	WSS RL SIG(-)
3	L	WSS RL PWRC(-)
4	GR	CLUSTER SUPPLY
5	B	WSS FR PWRC(-)
8	W	WSS FR SIG(-)
7	LG	BLS
8	V	WSS FL SIG(-)
9	W	WSS FL PWRC(-)
10	SB	CLUSTER GND
11	P	WSS RR PWRC(-)
12	V	WSS RR SIG(-)
13	B/W	MOTOR GND
14	G	MOTOR SUPPLY
16	SB	BLS
19	BR	CAN2 H
20	GR	IGN
21	P	CAN1 L
22	Y	VDC OFF SW
23	L	CAN1 H
25	W	CAN2 L
26	B/W	VALVE/ECU GND

Connector No.	E37
Connector Name	COOLING FAN RELAY-2
Connector Type	MD6FBR-R-LC



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

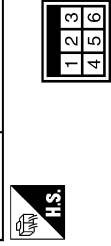
1	SB	-
2	G	-
3	L	-
5	Y	-
6	B	-
7	R	-

Connector No.	E59
Connector Name	COOLING FAN RELAY-3
Connector Type	MD6FBR-R-LC



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

Connector No.	E70
Connector Name	WIRE TO WIRE
Connector Type	MD6BW-LG



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

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

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

BATTERY POWER SUPPLY

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



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

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



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

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



Terminal No.	Color of Wire	Signal Name [Specification]
1F	L	-
2F	LG	-
4F	BR	-
6F	Y	-

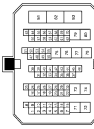
8F	R	-
9F	GR	-
11F	G	-
12F	V	-

Connector No.	E104
Connector Name	WIRE TO WIRE
Connector Type	NS16FW-CS



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

Connector No.	E105
Connector Name	WIRE TO WIRE
Connector Type	TH70MW-CS10-M3



Terminal No.	Color of Wire	Signal Name [Specification]
--------------	---------------	-----------------------------

2	BR	-
3	Y	-
4	W	-
5	LG	-
6	GR	-
8	G	-
11	P	-
12	L	-
13	Y	-
14	O	-
15	BR	-
20	Y	-
21	BR	-
22	P	-
23	P	-
24	L	-
25	O	-
26	G	-
27	V	-
28	SB	-
29	W	-
30	Y	-
47	P	-
48	L	-
49	SB	-
50	GR	-
51	LG	-
52	V	-
53	GR	-
54	BR	-
55	Y	-
56	W/L	-
60	V	-
61	BR	-
62	O	-
63	L/O	-
64	SHIELD	-
65	W	-
67	BR	-
68	Y	-
69	SB	-
70	GR	-
71	SB	-
72	Y	-
73	L	-
74	W	-
75	BR	-
76	GR	-
77	O	-
78	V	-
79	Y	-
80	R	-

81	W	-
82	LG	-
83	O	-

Connector No.	E116
Connector Name	STOP LAMP SWITCH
Connector Type	M04FW-LC



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

Connector No.	E201
Connector Name	COOLING FAN MOTOR-1
Connector Type	RS04FCY-PR



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

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

BATTERY POWER SUPPLY

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



3	2	1
6	5	4

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

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



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

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



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

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



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

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



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

Connector No.	E323
Connector Name	HEADLAMP LH
Connector Type	E02FGY-RS



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

Connector No.	E324
Connector Name	HEADLAMP RH
Connector Type	E02FGY-RS



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

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



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

Connector No.	E326
Connector Name	HIGH BEAM SOLENOID RH
Connector Type	RS02FB



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

Connector No.	E331
Connector Name	FRONT FOG LAMP LH
Connector Type	FHZ02FB



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

Connector No.	E344
Connector Name	WIRE TO WIRE
Connector Type	RS02MGY



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

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

BATTERY POWER SUPPLY

Connector No.	E345
Connector Name	POWER INTELLIGENT POWER DISTRIBUTION MODULE (PDI) (PDI00)
Connector Type	NS08FW-CS



85	84	83
90	89	88
87	86	86

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

Connector No.	E346
Connector Name	POWER INTELLIGENT POWER DISTRIBUTION MODULE (PDI) (PDI00)
Connector Type	TH16FW-NH



98	97	96	95	94	93	92	91
100	105	104	103	102	101	100	99

Terminal No.	Color of Wire	Signal Name [Specification]
91	R	-
92	LG	-
98	BR	-
100	SB	-
101	L	-
102	B	-
103	P	-

Connector No.	E401
Connector Name	WIRE TO WIRE
Connector Type	RS02FGY



2	1
---	---

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

Connector No.	E402
Connector Name	FRONT FOG LAMP RH
Connector Type	FRZ02FB



2	1
---	---

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

Connector No.	F3
Connector Name	FUSIBLE LINK HOLDER
Connector Type	-



5

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

Connector No.	F7
Connector Name	ECM
Connector Type	RRZ4FGY-RZ8-R-LH



1	5	9	13	17	21	25	29
2	6	10	14	18	22	26	30
3	7	11	15	19	23	27	31
4	8	12	16	20	24	28	32

Terminal No.	Color of Wire	Signal Name [Specification]
1	P/B	INJ#6
2	G/W	VMOT-B1
3	L/W	INJ#5
4	BR/Y	AFH1
5	L	MOTOR1-B1
6	B	MOTOR2-B1
8	SB	AFH2
9	L/B	IGN#3
10	G/R	IGN#2
11	Y/R	IGN#1
12	B	GND
13	P/B	OZHR1
14	GR	FPR
15	O	MOTRLY-B1
16	B/Y	GND
17	R	OZHR2
18	GR/R	IGN#6
19	P	IGN#5
21	W	IGN#4
24	W/B	SSOFF
25	P/L	EVAP
26	GR/B	VIAS2
27	V	VIAS1
28	BR/W	EMMV
29	LG/R	INJ#4
30	R/Y	INJ#3
31	R/W	INJ#2
32	R/B	INJ#1

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

BATTERY POWER SUPPLY

Connector No.	F8
Connector Name	ECM
Connector Type	RH40FB-R28-L-L4

Terminal No.	Color of Wire	Signal Name [Specification]
33	W	O2SR1
34	W/L	O2SR2
35	B	GND-O2SR1-O2SR2
36	B	GND-TPS-B1
37	W	TPS1-B1
38	R	TPS2-B1
39	R	PDPRES
40	G	GND-PDPRES
41	O/B	PSPRES
42	BR	CURSEN
44	G/B	GND-CURSINTP
45	P	AF+1
46	Y	TW
47	G	AVCCI-TPS-B1
48	B/P	GND-PSPRES
49	L	AF-1
50	L/Y	TA1
51	R/Y	AVCCI-CURSINTP
52	B/R	GND-TW101
53	V	AF-2
54	G	TO1
55	SB	AVCCI-FSPRES
56	G/B	GA-GND-TA1
57	LG	AF-2
58	O	GAT+
59	G/W	AVCCI-PHASE1EP1
60	Y/B	GND-POS
61	B	KNK1
62	W	KNK2
63	R/W	AVCCI-PHASE2EP2
64	B/R	GND-PHASE1EP1
65	W/B	POS
67	SHIELD	GND-KNK1KNK2
68	Y/G	GND-PHASE2EP2
69	BR/W	PHASE#2
70	W/R	PHASE#1
72	BR/W	AVCC2-PDPRES
75	Y	CYTCH2



Terminal No.	Color of Wire	Signal Name [Specification]
33	W	O2SR1
34	W/L	O2SR2
35	B	GND-O2SR1-O2SR2
36	B	GND-TPS-B1
37	W	TPS1-B1
38	R	TPS2-B1
39	R	PDPRES
40	G	GND-PDPRES
41	O/B	PSPRES
42	BR	CURSEN
44	G/B	GND-CURSINTP
45	P	AF+1
46	Y	TW
47	G	AVCCI-TPS-B1
48	B/P	GND-PSPRES
49	L	AF-1
50	L/Y	TA1
51	R/Y	AVCCI-CURSINTP
52	B/R	GND-TW101
53	V	AF-2
54	G	TO1
55	SB	AVCCI-FSPRES
56	G/B	GA-GND-TA1
57	LG	AF-2
58	O	GAT+
59	G/W	AVCCI-PHASE1EP1
60	Y/B	GND-POS
61	B	KNK1
62	W	KNK2
63	R/W	AVCCI-PHASE2EP2
64	B/R	GND-PHASE1EP1
65	W/B	POS
67	SHIELD	GND-KNK1KNK2
68	Y/G	GND-PHASE2EP2
69	BR/W	PHASE#2
70	W/R	PHASE#1
72	BR/W	AVCC2-PDPRES
75	Y	CYTCH2

Terminal No.	R/G	AVCC2-POS
77	W/L	BATT
78	R/L	CYTCH1

Connector No.	F10
Connector Name	STARTER MOTOR
Connector Type	-

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



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

Connector No.	F12
Connector Name	INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	TH20PW-OS12-M4

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



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

Terminal No.	Color of Wire	Signal Name [Specification]
30	B	-

Connector No.	F39
Connector Name	ALTERNATOR
Connector Type	-

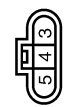
Terminal No.	Color of Wire	Signal Name [Specification]
1	B/R	-



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

Connector No.	F60
Connector Name	ALTERNATOR
Connector Type	HS03FB

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



Terminal No.	Color of Wire	Signal Name [Specification]
1A	Y	-
2A	G	-
3A	Y	-
4A	GR	-
5A	R	-
6A	W	-
7A	LG	-
8A	Y	-

Connector No.	F123
Connector Name	WIRE TO WIRE
Connector Type	TK18FGY-1V

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



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

Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS03FM-M2



Terminal No.	Color of Wire	Signal Name [Specification]		
3A	2A	1A		
8A	7A	6A	5A	4A

Terminal No.	Color of Wire	Signal Name [Specification]
1A	Y	-
2A	G	-
3A	Y	-
4A	GR	-
5A	R	-
6A	W	-
7A	LG	-
8A	Y	-

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

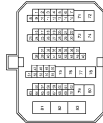
BATTERY POWER SUPPLY

Connector No.	M2
Connector Name	FUSE BLOCK (J/B)
Connector Type	HS10FW-CS



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

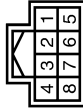
Connector No.	M11
Connector Name	WIRE TO WIRE
Connector Type	TH70FW-CS10-M3



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

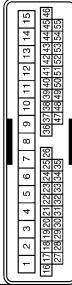
23	P	-
24	Y	-
25	L	-
26	L	-
27	O	-
28	BR	-
29	L	-
30	R	-
47	P	-
48	L	-
49	W	-
50	GR	-
51	LG	-
52	Y	-
53	V	-
54	SB	-
55	P	-
56	SB	-
60	V	-
61	GR	-
62	O	-
63	V	-
64	SHIELD	-
66	W	-
67	R	-
68	W	-
69	P	-
70	G	-
71	G	-
72	BR	-
73	L	-
74	W	-
75	BR	-
76	R	-
77	G	-
78	Y	-
79	G	-
80	R	-
81	W	-
82	W	-
83	O	-

Connector No.	M12
Connector Name	STEERING LOCK UNIT
Connector Type	TH8BFW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	P	S/L 12V MECHANICAL(V1)
2	LG	S/L COM
3	O	S/L CONDITION 1
5	B	GND.1
6	B	GND.2
7	Y	S/L 12V CPU(V2)
8	L	S/L CONDITION 2

Connector No.	M20
Connector Name	WIRE TO WIRE
Connector Type	TH40MW-CS15



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	-
2	G	-
3	W	-
4	B	-
5	L	-
6	V	-
7	BR	-
8	O	-
9	SB	-
10	L	-
11	G	-
14	B	-
15	GR	-
16	L	-
17	Y	-

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

Connector No.	M38
Connector Name	HEATED SEAT RELAY
Connector Type	MS20FL-M2-LC



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

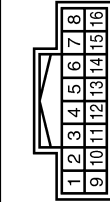
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

BATTERY POWER SUPPLY

Connector No.	M69
Connector Name	AWD CONTROL UNIT
Connector Type	TH16FW-NH



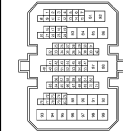
Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	AWD SOL+
2	L	AWD SOL-
3	R	IGN
4	R	CAN-H
8	G	SOL BATT
10	B	GND
11	B	GND
14	Y	LOCK SW
16	P	CAN-L

Connector No.	M70
Connector Name	WIRE TO WIRE
Connector Type	NS16FBR-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
4	P	-
5	O	-
6	R	-
7	W	-
8	V	-
9	L	-
10	GR	-
12	P	-
13	V	-
14	L	-
15	BR	-
16	V	-

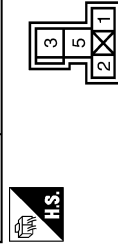
Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	TH8GPW-CS19



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

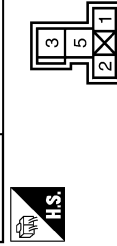
95	O	-
96	SB	-
97	L	-
98	LG	-
99	Y	-

Connector No.	M82
Connector Name	POWER SOCKET RELAY
Connector Type	MS30ZFL-M2-LC



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

Connector No.	M107
Connector Name	FUEL LID OPENER RELAY
Connector Type	MS30ZFL-M2-LC



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

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

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POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY&GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

BATTERY POWER SUPPLY

Connector No.	M109
Connector Name	CIRCUIT BREAKER
Connector Type	MS2FW-P-LC



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

Connector No.	M119
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	MS16FW-CS



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

Connector No.	M123
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH4FG-NH



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

Connector No.	M124
Connector Name	WIRE TO WIRE
Connector Type	MS12FBR-CS



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

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POWER SUPPLY ROUTING CIRCUIT

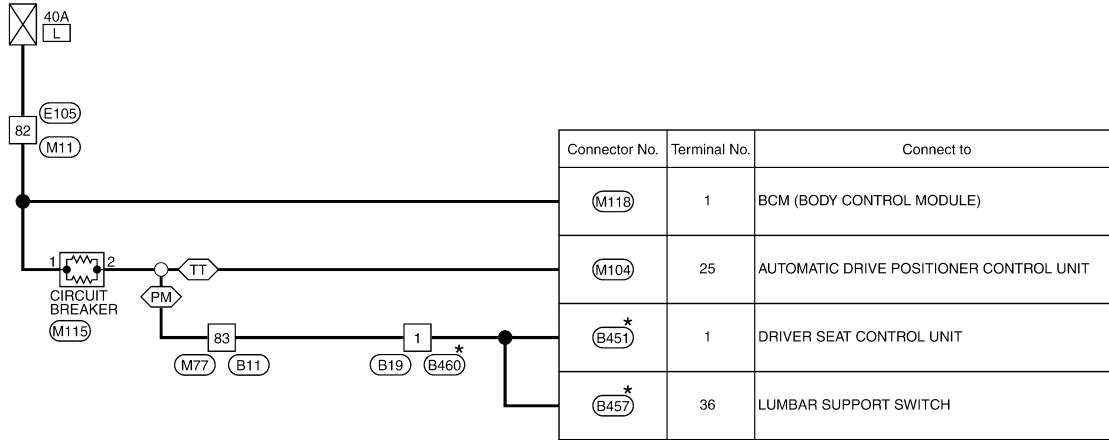
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

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

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PM : With automatic drive positioner
TT : With electric tilt & telescopic system



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

2008/09/23

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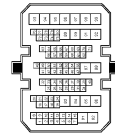
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSIBLE LINK No. L

Connector No.	B11
Connector Name	WIRE TO WIRE
Connector Type	THB0MW-CS19



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

44	BR	-
45	L	-
46	GR	-
47	V	-
48	GR	[With rear view camera and telephone]
48	BR	[With rear view camera without telephone]
49	Y	-
50	SHIELD	-
51	B	-
52	B	-
53	Y	-
54	LG	-
55	BR	-
56	P	-
57	L	-
58	R	-
59	SHIELD	-
60	B	-
61	R/L	-
62	R/W	-
63	LG	-
64	L	-
66	GR	-
67	G	-
68	R	-
69	SHIELD	-
70	W/R	-
71	B/R	-
72	Y	-
73	LG	-
74	SB	-
75	L	-
76	G	-
77	R	-
78	SHIELD	-
79	B	-
80	W	-
81	R	-
82	L	-
83	BR	-
84	O	-
85	G	-
86	SB	-
87	R	-
88	G	-
89	GR	-
90	Y	-
91	G	-
92	BR	-
93	G	-
94	V	-
95	BR	-

96	GR	-
97	R	-
98	LG	-
99	O	-

Connector No.	B19
Connector Name	WIRE TO WIRE
Connector Type	NS16FW-CS



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

Connector No.	B451
Connector Name	DRIVER SEAT CONTROL UNIT
Connector Type	NS12FW-CS



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

1	R	-
2	B	-
3	G	-
4	G/R	-
5	V	-
6	R/L	-
7	L	-
8	L/W	-
9	L/R	-
10	L/B	-

Connector No.	B457
Connector Name	LIMBAR SUPPORT SWITCH
Connector Type	NS04FBR-CS



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

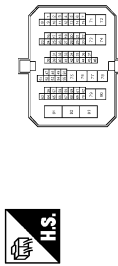
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

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

Connector No.	M11
Connector Name	WIRE TO WIRE
Connector Type	TH70MW-CS10-M3

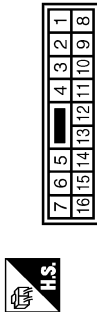


Terminal No.	Color of Wire	Signal Name [Specification]
2	L	-
3	P	-
4	O	-
5	O	-
6	G	-
8	R	-
11	P	-
12	L	-
13	V	-
14	Y	-
15	R	-
20	Y	-
21	BR	-
22	G	-
23	P	-
24	Y	-
25	L	-
26	L	-
27	O	-
28	BR	-
29	L	-
30	R	-
41	P	-
46	L	-
49	W	-
50	GR	-
51	LG	-
52	Y	-
53	V	-
54	SB	-
55	P	-
56	SB	-
60	V	-
61	GR	-
62	O	-
63	V	-
64	SHIELD	-
66	W	-

11	P	-
12	L	-
13	Y	-
14	O	-
15	BR	-
20	Y	-
21	BR	-
22	P	-
23	P	-
24	L	-
25	O	-
26	G	-
27	V	-
28	SB	-
29	W	-
30	Y	-
47	P	-
48	L	-
49	SR	-
50	GR	-
51	LG	-
52	V	-
53	GR	-
54	BR	-
55	Y	-
56	W/L	-
60	V	-
61	BR	-
62	O	-
63	L/O	-
64	SHIELD	-
66	W	-
67	BR	-
68	Y	-
69	SR	-
70	GR	-
71	SR	-
72	Y	-
73	L	-
74	W	-
75	BR	-
76	GR	-
77	O	-
78	V	-
79	Y	-
80	R	-
81	W	-
82	LG	-
83	O	-

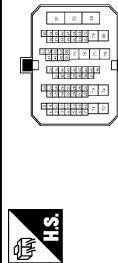
BATTERY POWER SUPPLY FUSIBLE LINK No. L

Connector No.	B460
Connector Name	WIRE TO WIRE
Connector Type	NS16MW-CS



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

Connector No.	E105
Connector Name	WIRE TO WIRE
Connector Type	TH70MW-CS10-M3



Terminal No.	Color of Wire	Signal Name [Specification]
2	BR	-
3	Y	-
4	W	-
5	LG	-
6	GR	-
8	G	-

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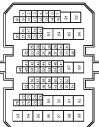
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSIBLE LINK No. L


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



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


Terminal No.	Color of Wire	Signal Name [Specification]
44	V	-
45	P	-
46	R	-
47	Y	-
48	L	-
49	G	-
50	SHIELD	-
51	W	-
52	B	-
53	BR	-
54	B	-
55	G	-
56	P	-
57	L	-
58	SB	-
59	SHIELD	-
60	B	-
61	R	-
62	W	-
63	O	-
64	Y	-
66	L	-
67	L	-
68	G	-
69	SHIELD	-
70	L	-
71	R	-
72	LG	-
73	Y	-
74	R	-
75	P	-
76	L	-
77	BR	-
78	SHIELD	-
79	B	-
80	W	-
81	LG	-
82	L	-
83	W	-
83	GR	[With automatic drive positioner] [With driver side power seat]
84	R	-
85	V	[With front heated seat and passenger side power seat] [With front heated seat without passenger side power seat]
86	W	-
87	R	-
88	G	-
89	B	-
90	G	-
91	G	-
92	BR	-
93	P	-
94	V	-

Connector No.	M118
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	M02FB-LC




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

Connector No.	M104
Connector Name	AUTOMATIC DRIVE POSITIONER CONTROL UNIT
Connector Type	NS08FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
25	W	UPWARD
26	L	BACKWARD
27	P	UPWARD
28	G	DOWNWARD
29	LG	UPWARD/FORWARD
30	B	GND

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



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

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POWER SUPPLY ROUTING CIRCUIT




< DTC/CIRCUIT DIAGNOSIS >

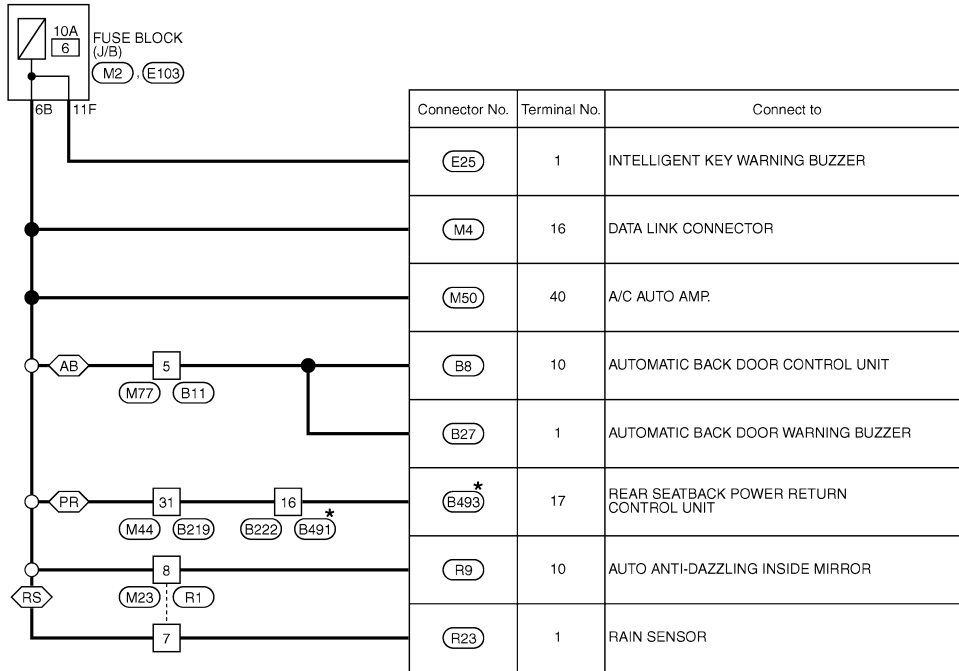
[POWER SUPPLY&GROUND CIRCUIT]

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 6 -

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BATTERY POWER SUPPLY FUSE No. 6

-  : With rain sensor
-  : With rear seatback power return system
-  : With automatic back door



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

2009/08/07

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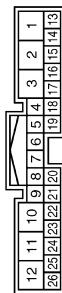
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE No. 6

Connector No.	B8
Connector Name	AUTOMATIC BACK DOOR CONTROL UNIT
Connector Type	TH80PW-TE6



Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	BUZZER
2	Y	ABD CLOSE SW
4	Y	ABD CLOSE SW
6	L	CAN HI
7	P	CAN LOW
8	LG	HALF LATCH SW
9	GR	IGN
10	SB	BAT
11	V	CLOSURE MTR (CLOSE)
12	R	CLOSURE MTR (OPEN)
14	V	TOUCH SENS LH
15	O	TOUCH SENS GND
16	W	TOUCH SENS RH
17	LG	MAIN SW
19	P	CLOSE SW
20	L	OPEN SW
21	B	GND
22	B	GND
23	GR	GND
24	BR	ENCODER B
25	Y	ENCODER A
26	G	ENCODER PWR

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



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

Connector No.	B27
Connector Name	AUTOMATIC BACK DOOR WARNING BUZZER
Connector Type	RK02FBR



Terminal No.	Color of Wire	Signal Name [Specification]
1	SB	-
2	BR	-

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

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE No. 6

Connector No.	B219
Connector Name	WIRE TO WIRE
Connector Type	TH22MW-NH



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

11	10	9		
16	15	14	13	12

Terminal No.	9
Color of Wire	B
Signal Name [Specification]	-

10	P	-
11	G	-
12	B/W	-
13	G	-
14	BR	-
16	V	-



Connector No.	B491
Connector Name	WIRE TO WIRE
Connector Type	NS90MBR-CS



9	10	11		
12	13	14	15	16

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

Connector No.	B493
Connector Name	REAR SEATBACK POWER RETURN CONTROL UNIT
Connector Type	YAA16FW



17	18	19	20	21	22	23	24
25	26	27	28	29	30	31	32

Terminal No.	Color of Wire	Signal Name [Specification]
17	R	-
20	LG	BAT SIG
21	W	RH SW
22	W/R	PRIMAL SW LH
23	BR/W	PRIMAL SW RH
24	LG	RH LIMIT SW GND
26	LG/Y	SPEED RPR
		LH SW

29	L	RETURN SW LH
30	L/W	RETURN SW RH
31	BR	LH LIMIT SW GND
32	B	GND SIG



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



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

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

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



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

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

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



4	B	3	B								
10	B	9	B	8	B	7	B	6	B	5	B

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

Connector No.	M4
Connector Name	DATA LINK CONNECTOR
Connector Type	BD16FW



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

Terminal No.	Color of Wire	Signal Name [Specification]
4	B	-
5	B	-
6	L	-
7	O	-
8	G	-
14	P	-
16	Y	-

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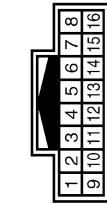
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

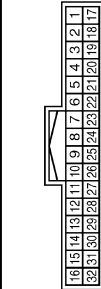
BATTERY POWER SUPPLY FUSE No. 6

Connector No.	M23
Connector Name	WIRE TO WIRE
Connector Type	TH16MW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	SHIELD	- [With telephone and navigation system]
3	B	- [With telephone without navigation system]
4	SHIELD	-
5	Y	-
6	Y	-
7	B	-
8	Y	-
9	B	-
10	Y	-
11	P	-
12	L	-
13	SB	-
14	G	-
15	G	-
16	R	-

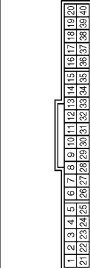
Connector No.	M44
Connector Name	WIRE TO WIRE
Connector Type	TH22FV-NH



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

8	R	-
9	SHIELD	-
10	V	-
11	LC	-
12	SHIELD	-
13	P	-
14	LG	-
15	LG	-
16	L	-
17	R	-
18	W	-
19	LG	-
20	O	-
21	Y	-
22	V	-

Connector No.	M50
Connector Name	A/C AUTO AMP.
Connector Type	SAB40FV



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	CAN-H
2	P	CAN-L
6	L	TX(AMP)>SW&DISP
7	P	RX(SW)>AMP
10	L	LAN SIG
11	R	VACTR
15	O	SUN SENS
16	G	INTAKE SENS
17	R	ACC
19	B	IGN
20	G	RR DEF F/B
26	GR	RR DEF ON
27	BR	FAN PWM
32	L	AMB POWER
34	P	AMB SENS
35	L	INCAR SENS
36	LG	SENS GND
37	Y	GND(POWER)
39	B	BAT
40	Y	BAT

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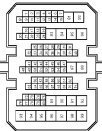
POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY&GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

BATTERY POWER SUPPLY FUSE No. 6

Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS1.9



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

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

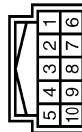
95	O	
96	SB	
97	L	
98	LG	
99	Y	

Connector No.	RI
Connector Name	WIRE TO WIRE
Connector Type	TH18FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	R/W	
2	SHIELD	
3	R/L	
4	SHIELD	
6	R/L	
7	Y/R	
8	B/Y	
9	B	
10	Y	
11	P/W	
12	B	
13	R/Y	
15	B/R	
16	R	

Connector No.	R9
Connector Name	AUTO ANTI-DAZZLING INSIDE MIRROR
Connector Type	TH10FB-NH



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

6	B/R	
8	B	
10	B/Y	

Connector No.	R23
Connector Name	RAIN SENSOR
Connector Type	TAAB03FB



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

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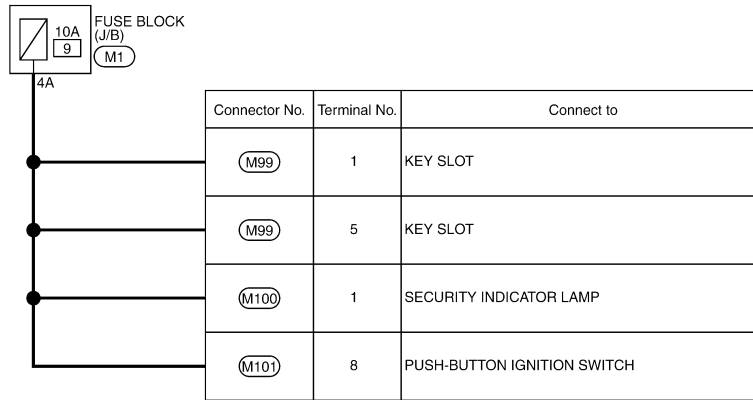
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

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

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JCMWM3212GB

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

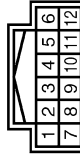
BATTERY POWER SUPPLY FUSE No. 9

Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	MS8FV-MZ



Terminal No.	Color of Wire	Signal Name [Specification]
1A	Y	-
2A	G	-
3A	Y	-
4A	GR	-
5A	R	-
6A	W	-
7A	LG	-
8A	Y	-

Connector No.	M99
Connector Name	KEY SLOT
Connector Type	TH12FV-NH



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

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



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

Connector No.	M101
Connector Name	PUSH-BUTTON IGNITION SWITCH
Connector Type	TK02FBR



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

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POWER SUPPLY ROUTING CIRCUIT

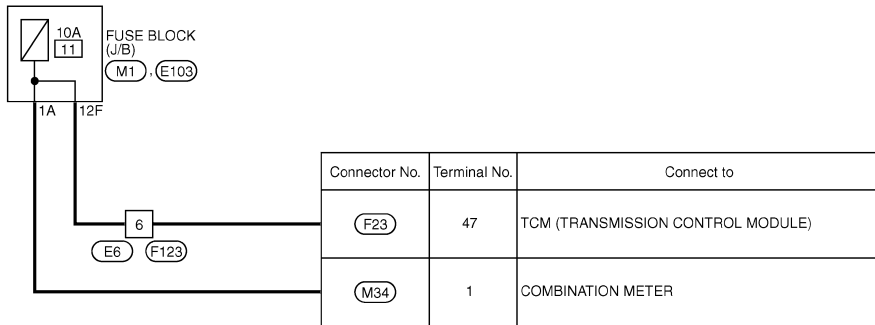
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[POWER SUPPLY&GROUND CIRCUIT]

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 11 -

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BATTERY POWER SUPPLY FUSE No. 11



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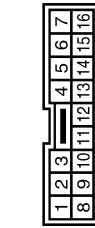
POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY&GROUND CIRCUIT]

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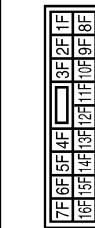
BATTERY POWER SUPPLY FUSE No. 11

Connector No.	E6
Connector Name	WIRE TO WIRE
Connector Type	TK16MG7-IV



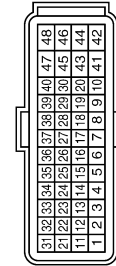
Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
3	Y	-
4	R	-
5	GR	-
6	V	-
8	P	-
10	W	-
11	G	-
12	BR	-
13	SB	-
14	B	-
15	O	-

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



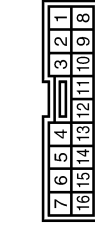
Terminal No.	Color of Wire	Signal Name [Specification]
1F	L	-
2F	LG	-
4F	BR	-
6F	Y	-
8F	R	-
9F	GR	-
11F	G	-
12F	V	-

Connector No.	F23
Connector Name	TCM (TRANSMISSION CONTROL MODULE)
Connector Type	RH40FB-R28-L-RH



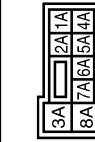
Terminal No.	Color of Wire	Signal Name [Specification]
1	P/B	INH SW 2
2	P/L	INH SW 3
3	G/O	INH SW 4
4	GR	INH SW 3 MGN
5	B	GND
7	W	SENSOR GND
8	O/W	CLOCK (SEL2)
9	L/R	CHIP SELECT (SEL1)
10	BR/W	DATA I/O (SEL3)
11	BR/W	INH SW 1
13	V	ATP TEMP SENSOR
14	R/W	PRI PRESS SENSOR
15	V/W	SEC PRESS SENSOR
19	G/B	REV LAMP RELAY
20	R/B	STARTER RELAY
25	W/R	SENSOR GND
26	L/O	SENSOR POWER SOURCE(SV)
27	R/G	S/M-D
28	R	S/M-C
29	O/B	S/M-B
30	G/R	S/M-A
31	P	CAN-L
32	L	CAN-H
33	LG	PRI SPEED SENSOR
34	LG/R	SEC SPEED SENSOR
37	V/R	L/URSEL-ON/OFF SOL
38	L/W	L/URSEL LINEAR SOL
39	W/B	SEC LINEAR SOL
40	R/Y	PL LINEAR SOL
42	B	GND
46	Y	VIGN
47	L/R	BATT
48	Y	VIGN

Connector No.	F123
Connector Name	WIRE TO WIRE
Connector Type	TK16FGY-IV



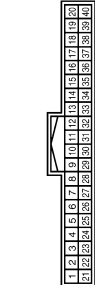
Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
3	G/R	-
4	G/B	-
5	R	-
6	L/R	-
8	P	-
10	Y/B	-
11	BR/W	-
12	BR	-
13	G	-
14	B	-
15	O	-

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



Terminal No.	Color of Wire	Signal Name [Specification]
1A	Y	-
2A	G	-
3A	Y	-
4A	GR	-
5A	R	-
6A	W	-
7A	LG	-
8A	Y	-

Connector No.	MB4
Connector Name	COMBINATION METER
Connector Type	TH40FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	BAT
2	O	IGN
3	B	GROUND
4	B	GROUND
5	SB	ILLUMINATION CONTROL
8	SB	TRIP RESET SWITCH
9	W	SW ILL POWER
10	O	METER CONTROL SW GND
11	L	ENTER SWITCH
12	R	SELECT SWITCH
13	V	ILLUMINATION CONTROL SWITCH (1) (W/turn automatic drive position)
14	Y	ILLUMINATION CONTROL SWITCH (2) (W/turn automatic drive position)
14	GR	ILLUMINATION CONTROL SWITCH (-)
15	BR	AIR BAG
18	L	AMBIENT SENSOR
19	P	AMBIENT SENSOR POWER
20	Y	AMBIENT SENSOR GROUND
21	L	CAN-H
22	P	CAN-L
23	B	GROUND
24	W	FUEL LEVEL SENSOR GROUND
25	BR	CHG
26	G	PARKING BRAKE SWITCH
27	V	BRAKE FLUID LEVEL SWITCH
29	R	WASHER LEVEL SWITCH
30	P	VEHICLE SPEED (2-PULSE)
31	V	VEHICLE SPEED (8-PULSE)
32	LG	OD OFF/SPORTS
34	G	FUEL LEVEL SENSOR
35	SB	SEAT BELT BUCKLE SWITCH (DRIVER SIDE)
36	R	SEAT BELT BUCKLE SWITCH (PASSENGER SIDE)

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POWER SUPPLY ROUTING CIRCUIT

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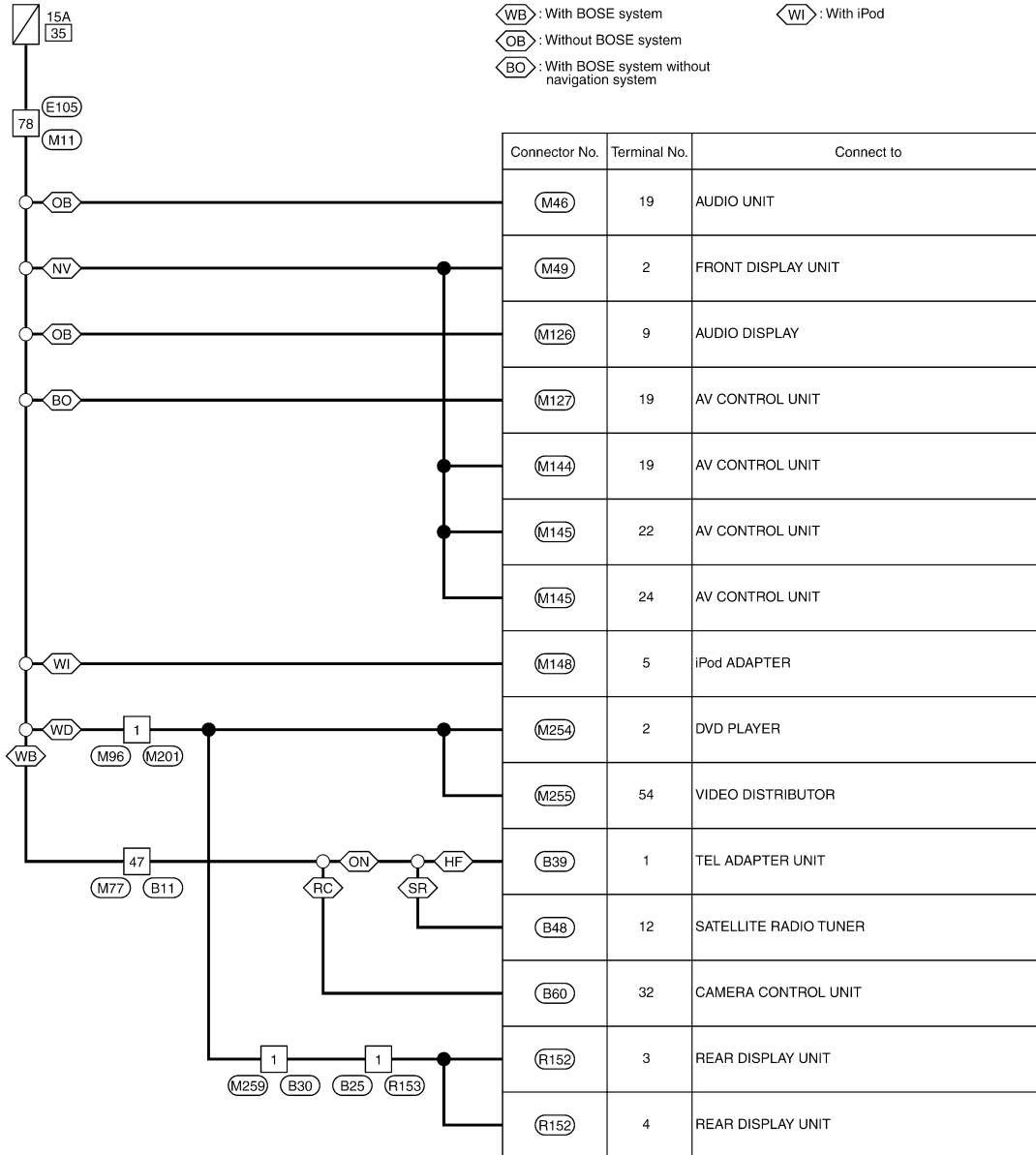
[POWER SUPPLY&GROUND CIRCUIT]

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 35 -

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BATTERY POWER SUPPLY FUSE No. 35

- ⬡SR⬡ : With satellite radio
- ⬡NV⬡ : With navigation system
- ⬡ON⬡ : Without navigation system
- ⬡WB⬡ : With BOSE system
- ⬡OB⬡ : Without BOSE system
- ⬡BO⬡ : With BOSE system without navigation system
- ⬡WD⬡ : With DVD player
- ⬡HF⬡ : With telephone
- ⬡RC⬡ : With rear view camera
- ⬡WI⬡ : With iPod



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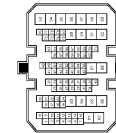
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE No. 35

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



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

44	BR	
45	L	
46	GR	
47	GR	
48	GR	[With rear view camera and telephone]
48	BR	[With rear view camera without telephone]
49	Y	
50	SHIELD	
51	B	
52	B	
53	Y	
54	LG	
55	BR	
56	P	
57	L	
58	R	
59	SHIELD	
60	B	
61	R/L	
62	R/W	
63	LG	
64	Y	
66	GR	
67	G	
68	R	
69	SHIELD	
70	W/R	
71	B/R	
72	Y	
73	LG	
74	SB	
75	L	
76	G	
77	R	
78	SHIELD	
79	B	
80	W	
81	R	
82	L	
83	BR	
84	O	
85	G	
86	SB	
87	R	
88	G	
89	GR	
90	Y	
91	G	
92	BR	
93	G	
94	V	
95	BR	

96	GR	
97	R	
98	LG	
99	O	

Connector No.	B25
Connector Name	WIRE TO WIRE
Connector Type	THS2MW-NH



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32

Terminal No.	Color of Wire	Signal Name [Specification]
1	SB	
2	B	
4	SHIELD	
5	W/R	
6	W/L	
7	SHIELD	
8	GR/V	
9	W/L	
10	SHIELD	
11	W/L	
12	Y/G	
13	Y/L	
14	BR/L	
16	V	
18	O	
21	B/R	
22	W/R	
23	SHIELD	
24	B	
25	R/L	
26	R/W	
27	SHIELD	
28	B	
29	W	
30	SHIELD	
31	P	

Connector No.	E30
Connector Name	WIRE TO WIRE
Connector Type	TH32PW-NH



16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17

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

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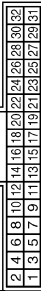
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

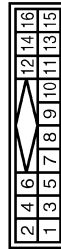
BATTERY POWER SUPPLY FUSE No. 35

Connector No.	B39
Connector Name	TEL ADAPTER UNIT
Connector Type	TH27V-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	BATTERY
2	GR	ACC
3	R	IGNITION
4	B/W	GND
5	SHIELD	SHIELD
6	SHIELD	SHIELD
7	R/W	MICROPHONE SIGNAL
8	R/L	MICROPHONE GND
9	B/R	TEL VOICE SIGNAL (+)
10	W/R	TEL VOICE SIGNAL (-)
14	B	GND
20	B	CONTROL SIGNAL
24	B/W	CONTROL SIGNAL
28	BR	VEHICLE SPEED (8-PULSE)
29	B	MICROPHONE VCC

Connector No.	B48
Connector Name	SATELLITE RADIO TUNER
Connector Type	AI6FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	W/L	SOUND SIGNAL LH (-)
2	Y/L	SOUND SIGNAL LH (+)
3	Y/G	SOUND SIGNAL RH (-)
4	BR/L	SOUND SIGNAL RH (+)
5	SHIELD	SHIELD
6	SHIELD	SHIELD
8	R/W	REQUEST (SAT->CONT)

9	R/L	COMM (SAT->CONT)
10	B	COMM (CONT->SAT)
12	V	BATTERY
15	B	GND
16	GR	ACC

Connector No.	B60
Connector Name	CAMERA CONTROL UNIT
Connector Type	TH32FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
5	SHIELD	SHIELD
6	B	CAMERA IMAGE SIGNAL
7	R/W	GND
8	R/L	CAMERA ON SIGNAL
11	SHIELD	SHIELD
12	B	CAMERA IMAGE SIGNAL
14	L	CONNECTION RECOGNITION
17	BR	AV COMM (L)
18	Y	AV COMM (H)
19	GR	AV COMM (H)
20	G	AV COMM (H)
22	R	REVERSE
23	G	SENSOR SIGNAL 1
24	SB	SENSOR SIGNAL 2
25	O	SENSOR SIGNAL 3
26	BR	VEHICLE SPEED (8-PULSE)
30	GR	ACC
31	B	GND
32	V	BATTERY

Connector No.	E105
Connector Name	WIRE TO WIRE
Connector Type	TH10MW-CS10-M3



Terminal No.	Color of Wire	Signal Name [Specification]
2	BR	-
3	Y	-
4	W	-
5	LG	-
6	GR	-
8	G	-
11	P	-
12	L	-
13	Y	-
14	O	-
15	BR	-
20	Y	-
21	BR	-
22	P	-
23	P	-
24	L	-
25	O	-
26	G	-
27	V	-
28	SB	-
29	W	-
30	Y	-
47	P	-
48	L	-
49	SB	-
50	GR	-
51	LG	-
52	V	-
53	GR	-
54	BR	-
55	Y	-
56	W/L	-
60	V	-
61	BR	-
62	O	-
63	L/O	-
64	SHIELD	-
66	W	-

67	BR	-
68	Y	-
69	SB	-
70	GR	-
71	SB	-
72	Y	-
73	L	-
74	W	-
75	BR	-
76	GR	-
77	O	-
78	V	-
79	Y	-
80	R	-
81	W	-
82	LG	-
83	O	-

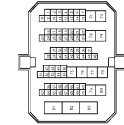
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE No. 35

Connector No.	M11
Connector Name	WIRE TO WIRE
Connector Type	TH70FN-CS10-M3



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

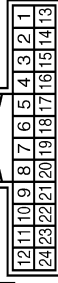
67	R	-
68	W	-
69	P	-
70	G	-
71	G	-
72	BR	-
73	L	-
74	W	-
75	BR	-
76	R	-
77	G	-
78	Y	-
79	G	-
80	R	-
81	W	-
82	W	-
83	O	-

Connector No.	M46
Connector Name	AUDIO UNIT
Connector Type	TH11FW-C5P



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	SOUND SIGNAL FRONT LH (+)
2	L	SOUND SIGNAL FRONT LH (-)
3	B	SOUND SIGNAL REAR LH (+)
4	LG	SOUND SIGNAL REAR LH (-)
5	Y	STRG SW A
6	W	ACC
7	R	ILLUMINATION CONTROL
8	SB	ILLUMINATION
9	R	SOUND SIGNAL FRONT RH (+)
10	BR	SOUND SIGNAL FRONT RH (-)
11	W	SOUND SIGNAL REAR RH (+)
12	W	SOUND SIGNAL REAR RH (-)
13	O	STRG SW B
14	P	STRG SW GND
15	SB	BATTERY
16	Y	BATTERY
17	Y	BATTERY
18	Y	BATTERY
19	Y	BATTERY

Connector No.	M49
Connector Name	FRONT DISPLAY UNIT
Connector Type	TH24FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	GND
2	Y	BATTERY[With navigation system]
3	Y	BATTERY[With navigation system]
4	R	ACC[With navigation system]
5	O	SIGNAL VCC[Without navigation system]
6	SHIELD	SHIELD[With navigation system]
7	P	COMPOSITE IMAGE GND[Without navigation system]
8	B	AUX IMAGE GND[With navigation system]
9	SHIELD	SHIELD[Without navigation system]
10	R	RGB (GREEN) SIGNAL[With navigation system]
11	L	RGR (GREEN) SIGNAL[Without navigation system]
12	SHIELD	SHIELD
13	B	HPI[With navigation system]
14	G	HP[Without navigation system]
15	W	RGB AREA (YS) SIGNAL
16	R	COMM (CONT->DISP)
17	W	CAMERA IMAGE SIGNAL
18	B	GND[With navigation system]
19	BR	INVERTER GND[Without navigation system]
20	SHIELD	SHIELD[With navigation system]
21	LG	SIGNAL GND[Without navigation system]
22	Y	AUX IMAGE SIGNAL[With navigation system]
23	L	COMPOSITE IMAGE SIGNAL[Without navigation system]
24	W	RGB (RED) SIGNAL
25	Y	RGB (BLUE) SIGNAL[With navigation system]
26	B	RGB (BLUE) SIGNAL[Without navigation system]
27	B	RGB SYNC
28	R	VP
29	SHIELD	SHIELD
30	G	COMM (DISP->CONT)
31	SHIELD	SHIELD

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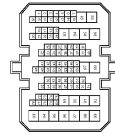
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE No. 35

Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CST19

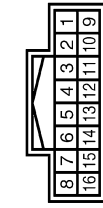


Terminal No.	Color of Wire	Signal Name [Specification]
1	SHIELD	
2	B	
3	W	
4	R	
5	Y	
6	W	
7	G	
8	SHIELD	
9	W	
10	R	
11	G	
12	B	
13	O	
14	R	
15	SB	
16	R	
17	V	
18	P	
19	P	
20	LG	
21	Y	
22	O	
23	LG	
24	SB	
25	Y	
27	Y	
28	R	
30	Y	
31	W	
32	BR	
34	Y	
35	SHIELD	
36	G	
37	Y	
40	O	
41	O	
42	SB	
43	L	

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

95	O	
96	SB	
97	L	
98	LG	
99	Y	

Connector No.	M96
Connector Name	WIRE TO WIRE
Connector Type	TH18FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	
3	R	
4	L	
5	L	
6	R	
7	SHIELD	
8	R	
9	G	
10	R	
11	B	
12	G	
13	R	
14	W	
15	SHIELD	
16	B	

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



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	
2	L	
3	L	
4	L	
5	L	
6	L	
7	R	
8	R	
9	R	
10	R	
11	R	
12	R	

1	G	AV COM1 (L)
2	R	AV COM1 (R)
3	B	GND
8	R	ACC
9	Y	*B
10	R	ILL+
11	SB	ILL-

Connector No.	M127
Connector Name	AV CONTROL UNIT WITH BOSE SYSTEM WITHOUT NAVIGATION SYSTEM
Connector Type	TH18FW-CSZ



Terminal No.	Color of Wire	Signal Name [Specification]
6	BR	STRG SW A
7	R	ACC
9	R	ILLUMINATION
15	L	STRG SW GND
16	G	STRG SW B
19	Y	BATTERY
20	B	GND

POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY&GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

BATTERY POWER SUPPLY FUSE No. 35

Connector No.	M144
Connector Name	AV CONTROL UNIT (WITH NAVIGATION SYSTEM)
Connector Type	TH18PW-CS2

Terminal No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Color of Wire	P	G	R	L	B	R	BR	R	R	R	SHIELD	B	W	V	LG	L	G	Y	G	B
Signal Name [Specification]	AMP. ON SIGNAL	SOUND SIGNAL FRONT LH (+)	SOUND SIGNAL FRONT LH (-)	SOUND SIGNAL REAR LH (+)	SOUND SIGNAL REAR LH (-)	STRG SW A	ACC	ILLUMINATION	SHIELD	SOUND SIGNAL FRONT RH (+)	SOUND SIGNAL FRONT RH (-)	SOUND SIGNAL REAR RH (+)	SOUND SIGNAL REAR RH (-)	STRG SW GND	STRG SW B	BATTERY				

Connector No.	M145
Connector Name	AV CONTROL UNIT (WITH NAVIGATION SYSTEM)
Connector Type	TH40PW-NH

Terminal No.	21	22	23	24	25	26
Color of Wire	B	Y	B	R	B	B
Signal Name [Specification]	GND	BATTERY	GND	BATTERY	ACC	MICROPHONE VCC

Terminal No.	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	
Color of Wire	SHIELD	W	G	SB	V	P	B	B	G	L	R	L	L	L	P													
Signal Name [Specification]	MICROPHONE GND	MICROPHONE SIGNAL	IGNITION	PARKING BRAKE	REVERSE	VEHICLE SPEED (3-PULSE)	CONNECTION RECOGNITION	CONTROL SIGNAL	CONTROL SIGNAL	AV COMM (H)	AV COMM (L)	AV COMM (H)	AV COMM (L)	AV COMM (L)	CAN-H	CAN-L												

Connector No.	M148
Connector Name	iPod ADAPTER
Connector Type	TH24FW-NH

Terminal No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Color of Wire	BR	R	R	R	Y	W	G	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Signal Name [Specification]	iPod SOUND SIGNAL LH (+)	iPod SOUND SIGNAL RH (+)	ACC	AV COMM (L)	BATTERY	CHARGE POWER	COMM (iPod ADAPTER> iPod)	COMM (iPod> iPod ADAPTER)	ACCESSORY IDENTIFY	iPod SOUND SIGNAL RH (+)	iPod SOUND SIGNAL LH (-)	iPod SOUND SIGNAL RH (-)	SHIELD	AV COMM (H)	SHIELD	SHIELD	SHIELD	iPod CONNECTION RECOGNITION	ACCESSORY DETECT	iPod SOUND SIGNAL GND	iPod SOUND SIGNAL LH (+)			

Connector No.	M254
Connector Name	DVD PLAYER
Connector Type	TH52PW-NH

Terminal No.	1	2	3	4	5	7	11
Color of Wire	B	Y	R	R	R	P	B
Signal Name [Specification]	GND	BATTERY	ILLUMINATION	ACC	SHIELD	DVD IMAGE SIGNAL	AUX. SOUND SIGNAL LH (-)

Connector No.	M201
Connector Name	WIRE TO WIRE
Connector Type	TH18MW-NH

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

Connector No.	M255
Connector Name	VIDEO DISTRIBUTOR
Connector Type	TH08FW-NH

Terminal No.	53	54	55	58	60
Color of Wire	B	Y	V	G	R
Signal Name [Specification]	GND	BATTERY	ACC	IGNITION	HEADPHONE ON SIGNAL

Terminal No.	12	13	14	16	17	18	19	20	21	22	23	24	29	30	31	32
Color of Wire	W	G	R	SHIELD	G	R	V	LG	B	G	R	W	L	R	L	R
Signal Name [Specification]	AUX SOUND SIGNAL RH (-)	AUX SOUND SIGNAL LH (+)	AUX SOUND SIGNAL RH (+)	SHIELD	HEADPHONE SOUNDSIGNAL SIGNAL LH (+)	HEADPHONE SOUNDSIGNAL SIGNAL RH (+)	HEADPHONE SOUNDSIGNAL SIGNAL RH (-)	HEADPHONE SOUNDSIGNAL SIGNAL LH (-)	SOUND SIGNAL LH (+)	SOUND SIGNAL RH (+)	SOUND SIGNAL RH (-)	SOUND SIGNAL LH (-)	AV COMM (L)	AV COMM (H)	AV COMM (L)	AV COMM (H)

Connector No.	M255
Connector Name	VIDEO DISTRIBUTOR
Connector Type	TH08FW-NH

Terminal No.	53	54	55	58	60
Color of Wire	B	Y	V	G	R
Signal Name [Specification]	GND	BATTERY	ACC	IGNITION	HEADPHONE ON SIGNAL

Terminal No.	1	2	3	4	5	7	11
Color of Wire	B	Y	R	R	R	P	B
Signal Name [Specification]	GND	BATTERY	ILLUMINATION	ACC	SHIELD	DVD IMAGE SIGNAL	AUX. SOUND SIGNAL LH (-)

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE No. 35

Connector No.	W259
Connector Name	WIRE TO WIRE
Connector Type	TH22MW-NH

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32

Connector No.	R152
Connector Name	REAR DISPLAY UNIT
Connector Type	TH32FW-NH

2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32
1	3	5	7	9	11	13	15	17	19	21	23	25	27	29	31

Connector No.	R153
Connector Name	WIRE TO WIRE
Connector Type	TH32FW-NH

16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17

Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
3	R	-
4	SHIELD	-
5	LG	-
6	V	-
7	SHIELD	-
8	R	-
9	G	-
10	SHIELD	-
11	W	-
12	G	-
13	L	-
14	R	-
16	G	-
18	V	-
19	L	-
21	LG	-
22	V	-
23	SHIELD	-
24	B	-
25	W	-
26	R	-
27	SHIELD	-
28	G	-
29	R	-
30	SHIELD	-
31	R	-

Terminal No.	Color of Wire	Signal Name [Specification]
1	B	GND
2	B	GND
3	Y/R	BATTERY
4	Y/R	BATTERY
5	R	HEADPHONE ON SIGNAL
6	V/Y	ACC
8	SHIELD	SHIELD
9	V	COMM (DISP->DIST)
10	LG	COMM (DISP->DISP)
11	G	IGNITION
12	SHIELD	SHIELD
13	G	COMPOSITE SYNC
14	R	COMPOSITE IMAGE SIGNAL
15	B	RGB AREA (Y/S) SIGNAL
16	SHIELD	GND
17	R	VP
18	W	HP
19	W/L	RGB GND
20	Y/G	RGB (B.BLUE) SIGNAL
21	Y/L	RGB (G.GREEN) SIGNAL
22	BR/L	RGB (R.RED) SIGNAL
23	SHIELD	SHIELD
24	SHIELD	SHIELD
25	LG	HEADPHONE SOUND SIGNAL RH (-)
26	BR	HEADPHONE SOUND SIGNAL LH (-)
27	V	HEADPHONE SOUND SIGNAL RH (+)
28	Y	HEADPHONE SOUND SIGNAL LH (+)

Terminal No.	Color of Wire	Signal Name [Specification]
1	Y/R	-
2	B	-
4	SHIELD	-
5	LG	-
6	V	-
7	SHIELD	-
8	BR	-
9	Y	-
10	SHIELD	-
11	W/L	-
12	Y/G	-
13	Y/L	-
14	BR/L	-
16	G	-
18	V/Y	-
21	LG	-
22	V	-
23	SHIELD	-
24	B	-
25	W	-
26	R	-
27	SHIELD	-
28	G	-
29	R	-
30	SHIELD	-
31	R	-

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POWER SUPPLY ROUTING CIRCUIT

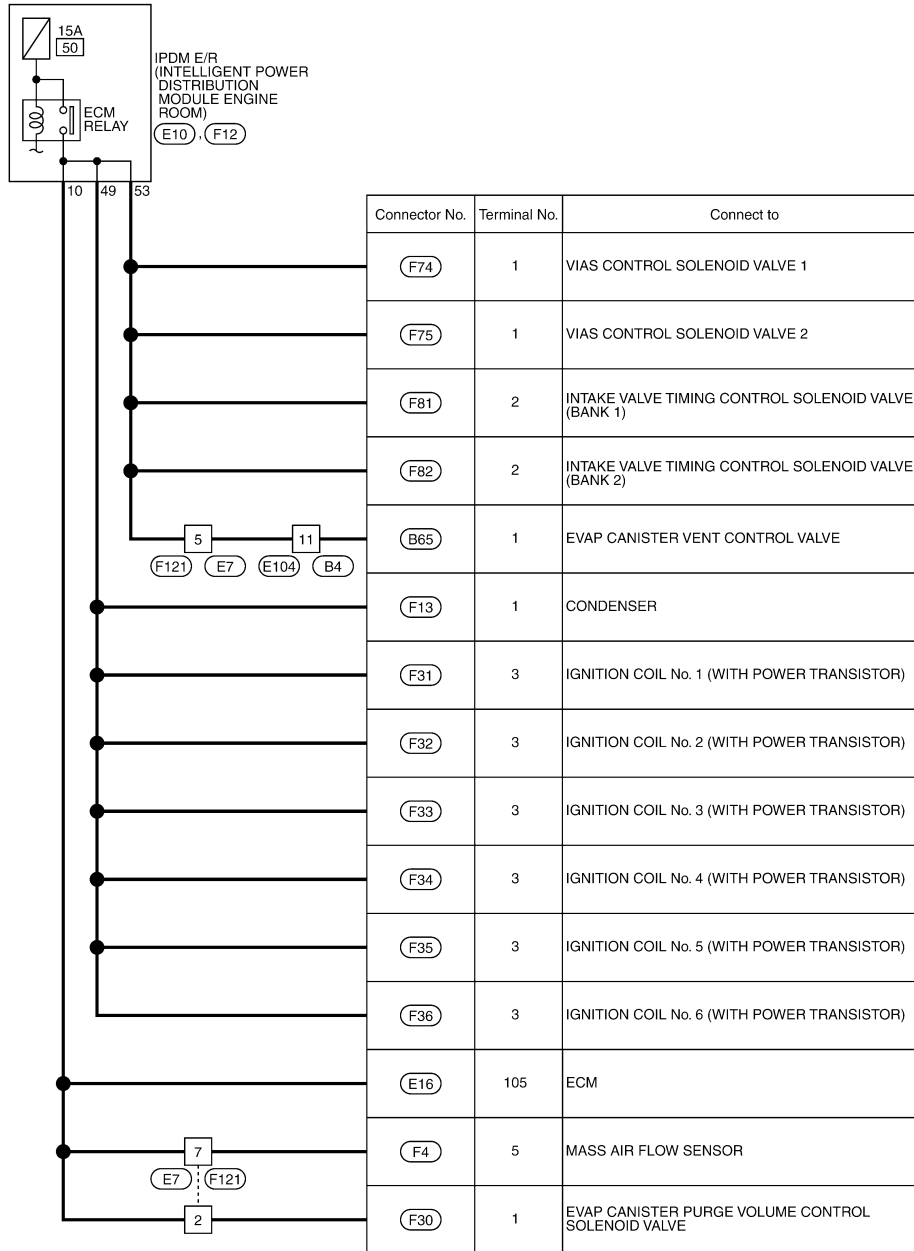
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[POWER SUPPLY&GROUND CIRCUIT]

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 50 -

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BATTERY POWER SUPPLY FUSE No. 50



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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE No. 50

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



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

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

Connector No.	B85
Connector Name	EVAP CANISTER VENT CONTROL VALVE
Connector Type	EQ2FB-RS



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

Connector No.	E7
Connector Name	WIRE TO WIRE
Connector Type	NS10MH-CS



1	2	3	4		
5	6	7	8	9	10

Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
2	L	-
5	R	-
6	B	-
7	O	-
10	B	-

Connector No.	E10
Connector Name	ENGINE INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	TH20FW-OS12-M4-1V



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

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

26	Y	-
27	W	-
28	SB	-
30	BR	-
32	V	-
33	G	-
34	O	-
35	P	-
36	G	-
38	P	-
39	GR	-

Connector No.	E108
Connector Name	ECM
Connector Type	RH24FB-R28-L-LH



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

Terminal No.	Color of Wire	Signal Name [Specification]
81	W	APSI
82	O	APSZ
83	BR	AVCC1-APSI
84	B	GND4-APSI
85	Y	ASGD SW
86	SB	FTPRES
87	GR	AVCC2-APSZ
88	O	KLINE
91	L	AVCC2-FTPRES
92	BR	GND4-ASCDSW
93	BR	IGN SW
94	GR	TACHOCABIN
95	Y	-
96	GR	GND4-FTPRES
97	P	VEHCAN-L
98	L	VEHCAN-H
100	G	GND4-APSZ
102	R	NEUT-H
104	SB	GND4-TF
105	V	VEB
106	SB	BRAKE
107	B	GND
108	B	GND
109	W	GDCV
110	G	BNCSW
111	B	GND

112	B	GND
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Connector No.	E104
Connector Name	WIRE TO WIRE
Connector Type	NS18PW-CS



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

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

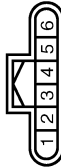
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

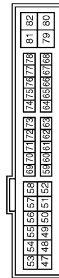
BATTERY POWER SUPPLY FUSE No. 50

Connector No.	F4
Connector Name	MASS AIR FLOW SENSOR
Connector Type	RH08FB



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

Connector No.	F12
Connector Name	PROX/INTELLIGENT POWER DISTRIBUTION MODULE (SHANE ROOM)
Connector Type	TH20FW-CS12-M4



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

Connector No.	F13
Connector Name	CONDENSER
Connector Type	M02FW-GY-LC



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

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



Terminal No.	Color of Wire	Signal Name [Specification]
1	R/Y	-
2	P/L	-

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



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

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

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



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

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



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

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



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

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE No. 50

Connector No.	F36
Connector Name	IGNITION COIL No. 6 (WITH POWER TRANSDUCER)
Connector Type	EO2FG-RS



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

Connector No.	F74
Connector Name	WAS CONTROL SOLENOID VALVE 1
Connector Type	EO2FE-RS



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

Connector No.	F75
Connector Name	WAS CONTROL SOLENOID VALVE 2
Connector Type	EO2FE-RS



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

Terminal No.	2	GR/B	-
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Connector No.	F81
Connector Name	IN-PALE VALVE TIMING CONTROL SOLENOID VALVE BANK
Connector Type	EO2FG-RS-LGY



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

Connector No.	F82
Connector Name	IN-PALE VALVE TIMING CONTROL SOLENOID VALVE BANK
Connector Type	EO2FG-RS-LGY



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

Connector No.	F121
Connector Name	WIRE TO WIRE
Connector Type	INS10PW-OS



Terminal No.	Color of Wire	Signal Name [Specification]
1	B/Y	-
2	R/Y	-
3	R/W	-
6	B	-
7	R/G	-
10	B	-

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POWER SUPPLY ROUTING CIRCUIT



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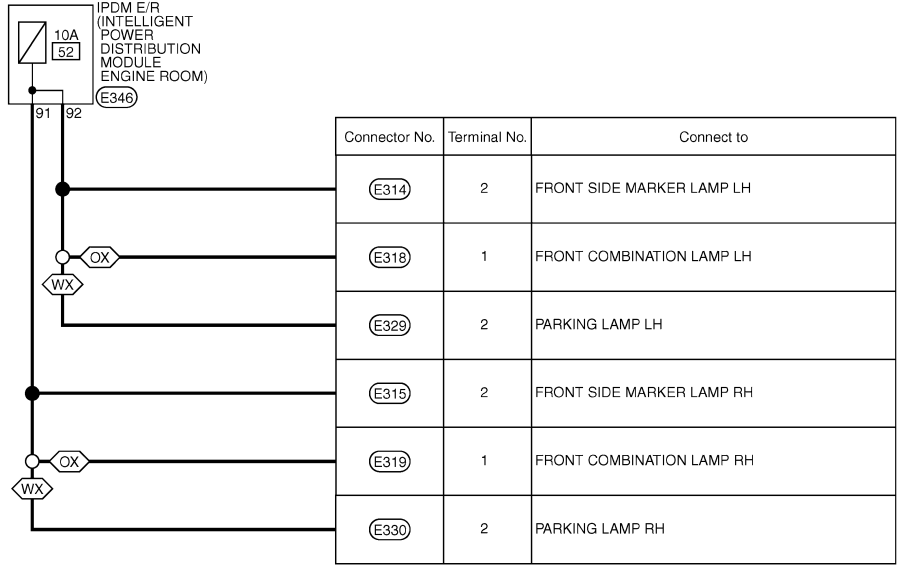
[POWER SUPPLY&GROUND CIRCUIT]

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 52 -

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BATTERY POWER SUPPLY FUSE No. 52

 : With xenon headlamp
 : Without xenon headlamp



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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE No. 52

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



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

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



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

Connector No.	E318
Connector Name	FRONT COMBINATION LAMP LH
Connector Type	Z03PER



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

Terminal No.	Color of Wire	Signal Name [Specification]
3	Y	-

Connector No.	E319
Connector Name	FRONT COMBINATION LAMP RH
Connector Type	Z03PER



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

Connector No.	E329
Connector Name	PARKING LAMP LH
Connector Type	RK02FGY



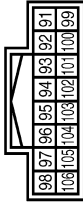
Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
2	LG	-

Connector No.	E330
Connector Name	PARKING LAMP RH
Connector Type	RK02FGY



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

Connector No.	E346
Connector Name	SPRINKLER INTELLIGENT POWER DISTRIBUTION MODULE (SPRINKLE INTEL)
Connector Type	TH16FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
91	R	-
92	LG	-
93	BR	-
94	SB	-
95	L	-
96	B	-
97	P	-

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POWER SUPPLY ROUTING CIRCUIT

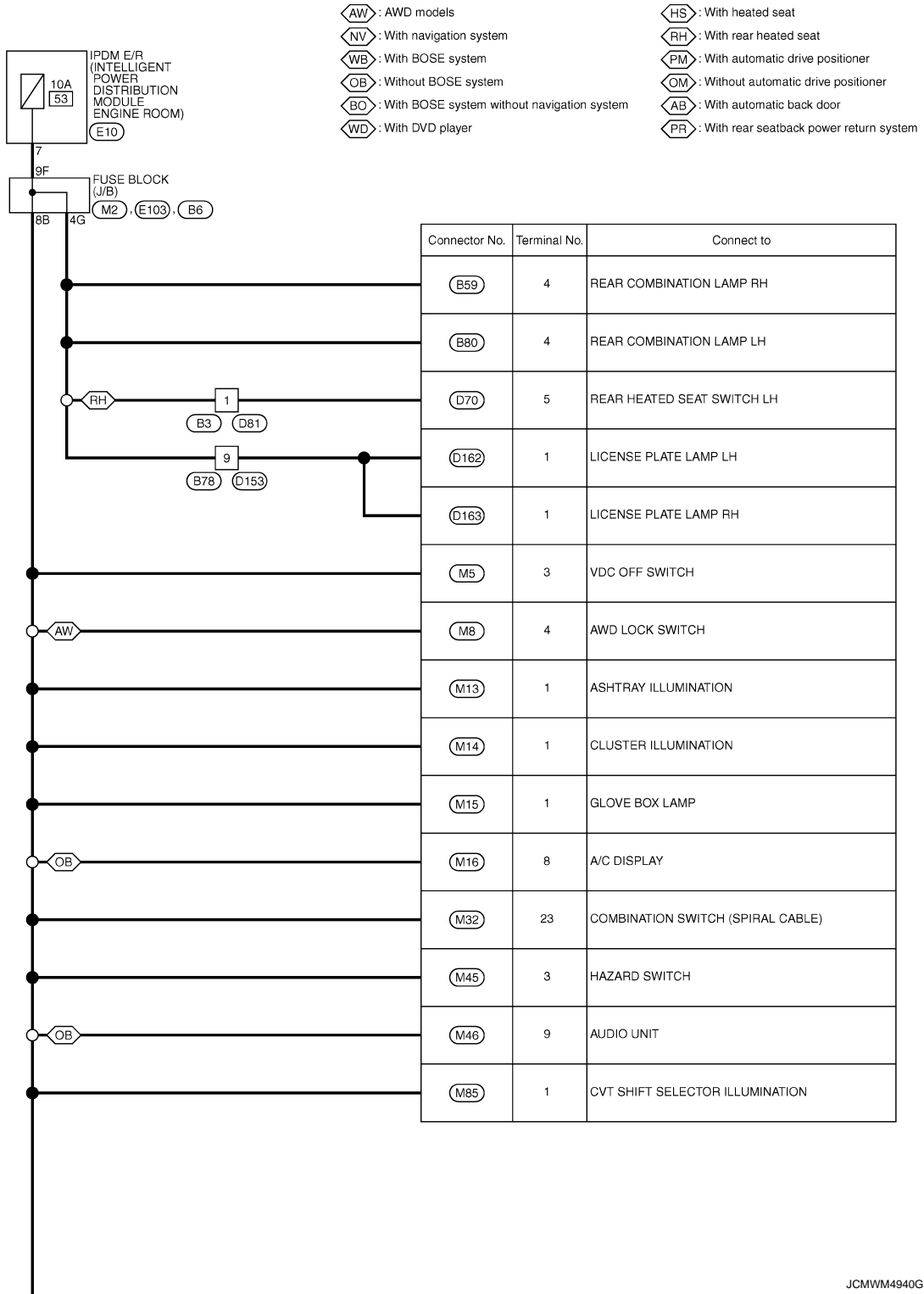
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 53 -

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BATTERY POWER SUPPLY FUSE No. 53

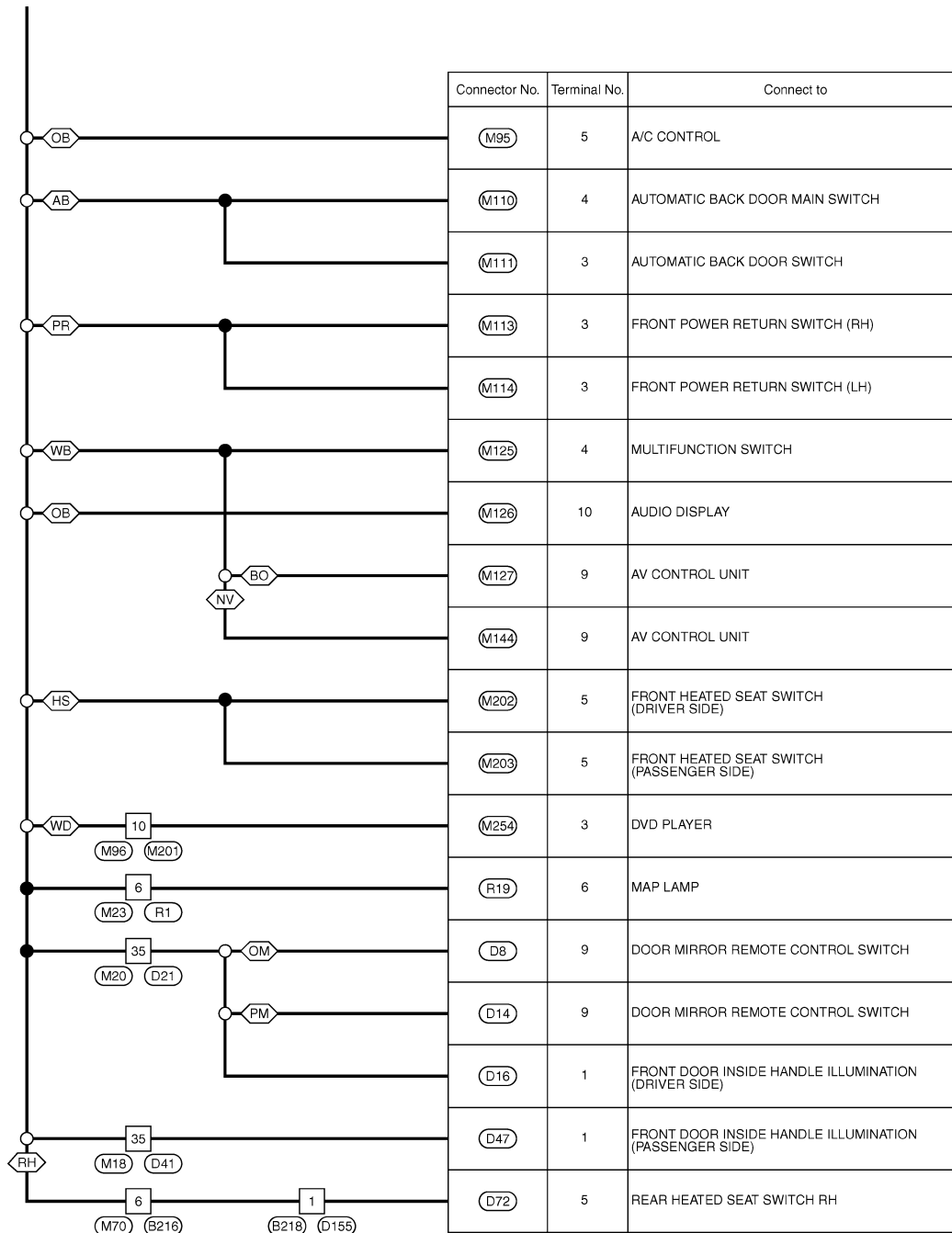


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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]



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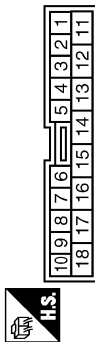
POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY&GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

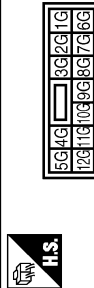
BATTERY POWER SUPPLY FUSE No. 53

Connector No.	B83
Connector Name	WIRE TO WIRE
Connector Type	TK10PW-NSS



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
4	LG	-
5	O	-
7	LG	-
10	B	-
11	SB	-
12	G	-
13	V	-
14	GR	-
15	BR	-
17	R	-
18	Y	-

Connector No.	B86
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS12FBR-CS



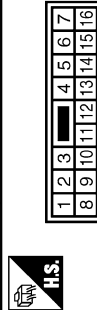
Terminal No.	Color of Wire	Signal Name [Specification]
2G	GR	-
4G	L	-
5G	P	-
10G	Y	-
11G	Y	-

Connector No.	B69
Connector Name	REAR COMBINATION LAMP RH
Connector Type	NSGMMV-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
1	B/W	- [With rear view camera]
2	BR	- [Without rear view camera]
3	P	-
4	L	-

Connector No.	B78
Connector Name	WIRE TO WIRE
Connector Type	NS16RMV-CS



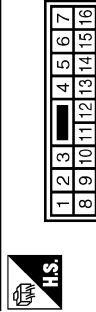
Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
2	V	-
3	SB	-
5	R	-
6	V	-
8	B	-
9	L	-
10	R	-
11	P	-
12	W	-
13	GR	-
14	G	-
15	Y	-
16	BR	-

Connector No.	B80
Connector Name	REAR COMBINATION LAMP LH
Connector Type	NSGMMV-CS



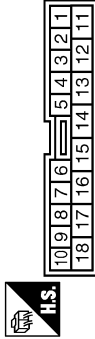
Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
2	Y	-
3	P	-
4	L	-

Connector No.	B216
Connector Name	WIRE TO WIRE
Connector Type	NS16MBR-CS



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

Connector No.	B218
Connector Name	WIRE TO WIRE
Connector Type	TK10PW-NSS



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
4	L	- [With BOSE system]
4	O	- [Without BOSE system]
5	O	- [With BOSE system]
5	B/P	- [Without BOSE system]
7	O	-
10	B	-
11	Y	-
12	G	-
13	V	-
14	P	-
15	SB	-
17	R	-
18	GR	-

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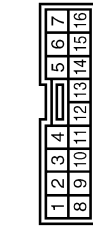
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

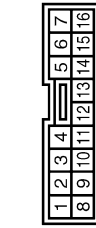
BATTERY POWER SUPPLY FUSE No. 53

Connector No.	D8
Connector Name	DOOR MIRROR REMOTE CONTROL SWITCH (WITHOUT AUTOMATIC DRIVE POSITIONER)
Connector Type	TK (6FW)



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
7	L	-
8	Y	-
9	L	-
10	V	-
12	P	-
13	LG	-
14	BR	-
15	O	-
16	SB	-

Connector No.	D14
Connector Name	DOOR MIRROR REMOTE CONTROL SWITCH (WITH AUTOMATIC DRIVE POSITIONER)
Connector Type	TK (6FBR)



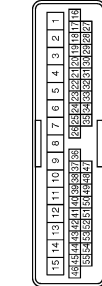
Terminal No.	Color of Wire	Signal Name [Specification]
4	V	-
7	B	-
8	Y	-
9	L	-
10	O	-
11	P	-
12	L	-
13	SB	-
15	LG	-

Connector No.	D16
Connector Name	FRONT DOOR INSIDE HANDLE ILLUMINATION ORDER (SIDE)
Connector Type	TK (OZFGY)



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

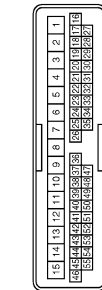
Connector No.	D21
Connector Name	WIRE TO WIRE
Connector Type	TH (40FW-CS15)



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	-
2	G	-
3	P	-
4	B	-
5	W	-
6	SB	-
7	P	-
8	BR	-
9	GR	-
10	V	-
11	O	-
14	B	-
15	LG	-
16	G	-
17	Y	-
18	GR	-
19	BR	-
20	LG	-
24	P	-
25	V	-

26	W	-
28	V	-
30	SB	-
31	BR	-
32	R	-
33	G	-
34	Y	-
35	L	-
41	P	-
42	GR	-
43	L	-
44	W	-
45	SB	-
46	R	-
50	V	-
51	O	-
52	P	-
53	L	-
54	P	-
54	SB	-
54	LG	-
55	LG	-
55	O	-

Connector No.	D41
Connector Name	WIRE TO WIRE
Connector Type	TH (40FW-CS15)



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	V	-
4	B	-
5	W	-
6	P	-
7	O	-
8	B	-
16	G	-
17	Y	-
18	GR	-
19	BR	-
20	LG	-

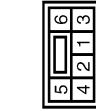
24	LG	-
25	W	-
26	O	-
29	V	-
30	SB	-
31	BR	-
32	R	-
33	G	-
34	Y	-
35	L	-

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



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

Connector No.	D70
Connector Name	REAR HEATED SEAT SWITCH LH
Connector Type	INS (06FW-CS)



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

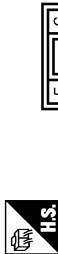
POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY&GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

BATTERY POWER SUPPLY FUSE No. 53

Connector No.	D72
Connector Name	REAR HEATED SEAT SWITCH RH
Connector Type	NS08FBR-CS



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

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

Connector No.	D81
Connector Name	WIRE TO WIRE
Connector Type	TK10MW-NS3



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

Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
4	L	-
5	W	-
7	LG	-
10	B	-
11	Y	-
12	G	-
13	V	-
14	P	-
15	SB	-
17	R	-
18	GR	-

Connector No.	D153
Connector Name	WIRE TO WIRE
Connector Type	NS10PFI-CS



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

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

Connector No.	D155
Connector Name	WIRE TO WIRE
Connector Type	TK10MW-NS3



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

Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
4	L	-
5	W	-
7	LG	-
10	B	-
11	Y	-
12	G	-
13	V	-

14	P
15	SB
17	R
18	GR



Connector No.	D182
Connector Name	LICENSE PLATE LAMP LH
Connector Type	TK02FBR



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

Connector No.	D183
Connector Name	LICENSE PLATE LAMP RH
Connector Type	TK02FBR



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

Connector No.	E10
Connector Name	POWER INTELLECT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	TK02PW-CS/P-M4-1V



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

Terminal No.	Color of Wire	Signal Name [Specification]
4	LG	-
5	Y	-
7	GR	-
10	BR	-
11	P	-
12	B	-
13	SB	-
15	W	-
16	L/Y	-
19	Y	-
20	L	-
21	O	-
22	SB	-
23	GR	-
24	G	-
25	GR	-
26	Y	-
27	W	-
28	SB	-
30	BR	-
32	V	-
33	G	-
34	O	-
35	P	-
36	G	-
38	GR	-

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POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY&GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

BATTERY POWER SUPPLY FUSE No. 53

Connector No.	E103
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS10FW-CS



7F	6F	5F	4F	3F	2F	1F
06F	15F	14F	13F	12F	11F	10F
09F	08F	07F	06F	05F	04F	03F

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

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



4B	3B	2B	1B
10B	9B	8B	7B
6B	5B	4B	3B

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

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



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

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

Connector No.	M8
Connector Name	AVID LOCK SWITCH
Connector Type	TK08FW-IV



4	3	2	1
5			

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

Connector No.	M13
Connector Name	ASHTRAY ILLUMINATION
Connector Type	A02FW



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



Connector No.	M14
Connector Name	CLUSTER ILLUMINATION
Connector Type	A02FW



1	2
---	---

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

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



1	2
---	---

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

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



1	2	3	4	5
6	7	8	9	10

Terminal No.	Color of Wire	Signal Name [Specification]
1	B	GND
6	G	IGN
8	R	ILL+
9	BR	ILL-
10	L	RX(AMP)DISP

JCMWM4945GB

POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY&GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

BATTERY POWER SUPPLY FUSE No. 53

Connector No.	M18
Connector Name	WIRE TO WIRE
Connector Type	TH40MW-CS15

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
33	34	35	36	37	38	39	40	41	42	43	44	45	46	47

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

Connector No.	M20
Connector Name	WIRE TO WIRE
Connector Type	TH40MW-CS15

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
33	34	35	36	37	38	39	40	41	42	43	44	45	46	47

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

Connector No.	M23
Connector Name	WIRE TO WIRE
Connector Type	TH1BMW-NH

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

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

Connector No.	M32
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TK08FY-EK-1V

21	22	23
28	29	30

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

Connector No.	M45
Connector Name	HAZARD SWITCH
Connector Type	TK03FW

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

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

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

Terminal No.	Color of Wire	Signal Name [Specification]
2	L	-
3	B	-
4	LG	-
5	Y	-
6	W	-
7	R	-
8	SB	-
9	R	-
11	BR	-
12	W	-
13	O	-
14	P	-
15	SB	-
16	Y	-
19	Y	-

A
B
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D
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PG
N
O
P

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE No. 53

Connector No.	M70
Connector Name	WIRE TO WIRE
Connector Type	MS16FER-CS



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

Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
4	P	-
5	O	-
6	R	-
7	W	-
8	V	-
9	L	-
10	GR	-
12	P	-
13	V	-
14	L	-
15	BR	-
16	V	-

Connector No.	M85
Connector Name	CVT SHIFT SELECTOR ILLUMINATION
Connector Type	TK02FER



1	2
---	---

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

Connector No.	M85
Connector Name	A/C CONTROL
Connector Type	TH16FW-NH



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

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

Connector No.	M86
Connector Name	WIRE TO WIRE
Connector Type	TH16FW-NH



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

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

Connector No.	M110
Connector Name	AUTOMATIC BACK DOOR MAIN SWITCH
Connector Type	TK08FW



4	5
1	2
3	6

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

Connector No.	M111
Connector Name	AUTOMATIC BACK DOOR SWITCH
Connector Type	TK08FGY



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

Connector No.	M113
Connector Name	FRONT POWER RETURN SWITCH (RH)
Connector Type	TK04FW



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

Connector No.	M114
Connector Name	FRONT POWER RETURN SWITCH (LH)
Connector Type	TK04FW



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

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



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

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

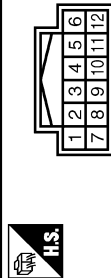
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

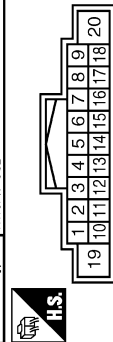
BATTERY POWER SUPPLY FUSE No. 53

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



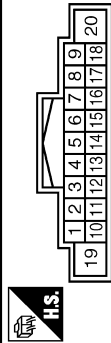
Terminal No.	Color of Wire	Signal Name [Specification]
1	G	AV COMM (L)
2	R	AV COMM (H)
3	B	GND
4	R	ACC
8	Y	ILL+
9	Y	ILL-
10	R	ILL+
11	SB	ILL-

Connector No.	M127
Connector Name	AV CONTROL UNIT WITH BOSE SYSTEM WITHOUT NAVIGATION SYSTEM
Connector Type	TH18FW-CSZ



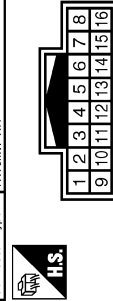
Terminal No.	Color of Wire	Signal Name [Specification]
6	BR	STRG SW A
7	R	ACC
9	R	ILLUMINATION
15	L	STRG SW GND
16	G	STRG SW B
19	Y	BATTERY
20	B	GND

Connector No.	M144
Connector Name	AV CONTROL UNIT (WITH NAVIGATION SYSTEM)
Connector Type	TH18FT-CSZ



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

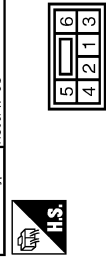
Connector No.	M201
Connector Name	WIRE TO WIRE
Connector Type	TH18MP-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	
3	R	
4	G	
5	L	
6	R	
7	SHIELD	

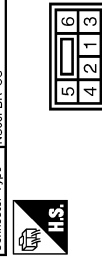
8	V	
9	G	
10	R	
11	B	
12	G	
13	R	
14	W	
15	SHIELD	
16	B	

Connector No.	M202
Connector Name	FRONT HEATED SEAT SWITCH (DRIVER SIDE)
Connector Type	MS08FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	
2	V	[With front heated seat and passenger side power seat]
2	GR	[With front heated seat without passenger side power seat]
3	R	
4	B	
5	R	
6	SB	

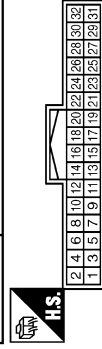
Connector No.	M203
Connector Name	FRONT HEATED SEAT SWITCH (PASSENGER SIDE)
Connector Type	MS08FB-CS



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

5	R	
6	BR	

Connector No.	M254
Connector Name	DVD PLAYER
Connector Type	TH32FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	GND
2	Y	BATTERY
3	R	ILLUMINATION
4	V	ACC
5	SHIELD	SHIELD
7	P	DVD IMAGE SIGNAL
11	B	AUX SOUND SIGNAL LH (-)
12	W	AUX SOUND SIGNAL RH (-)
13	G	AUX SOUND SIGNAL LH (+)
14	R	AUX SOUND SIGNAL RH (+)
16	SHIELD	SHIELD
17	G	HEADPHONE SOUND SIGNAL LH (+)
18	R	HEADPHONE SOUND SIGNAL LH (-)
19	V	HEADPHONE SOUND SIGNAL RH (+)
20	LG	HEADPHONE SOUND SIGNAL RH (-)
21	B	SOUND SIGNAL LH (+)
22	G	SOUND SIGNAL LH (-)
23	R	SOUND SIGNAL RH (+)
24	W	SOUND SIGNAL RH (-)
29	L	AV COMM (L)
30	R	AV COMM (R)
31	L	AV COMM (L)
32	R	AV COMM (R)

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

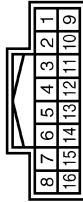
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE No. 53

Connector No.	R1
Connector Name	WIRE TO WIRE
Connector Type	TH16FV-NH



Terminal No.	Color of Wire	Signal Name (Specification)
1	R/W	-
2	SHIELD	- [With telephone and navigation system]
2	R/L	- [With telephone without navigation system]
3	B	-
4	SHIELD	-
6	R/L	-
7	Y/R	-
8	B/Y	-
9	B	-
10	Y	-
11	P/W	-
12	B	-
13	R/Y	-
15	B/R	-
16	R	-

Connector No.	R19
Connector Name	MAP LAMP
Connector Type	TK06EGY



Terminal No.	Color of Wire	Signal Name (Specification)
1	P/W	-
2	Y	-
3	B	-
4	SB	-
5	R/Y	-
6	R/L	-

JCMWM4949GB

POWER SUPPLY ROUTING CIRCUIT

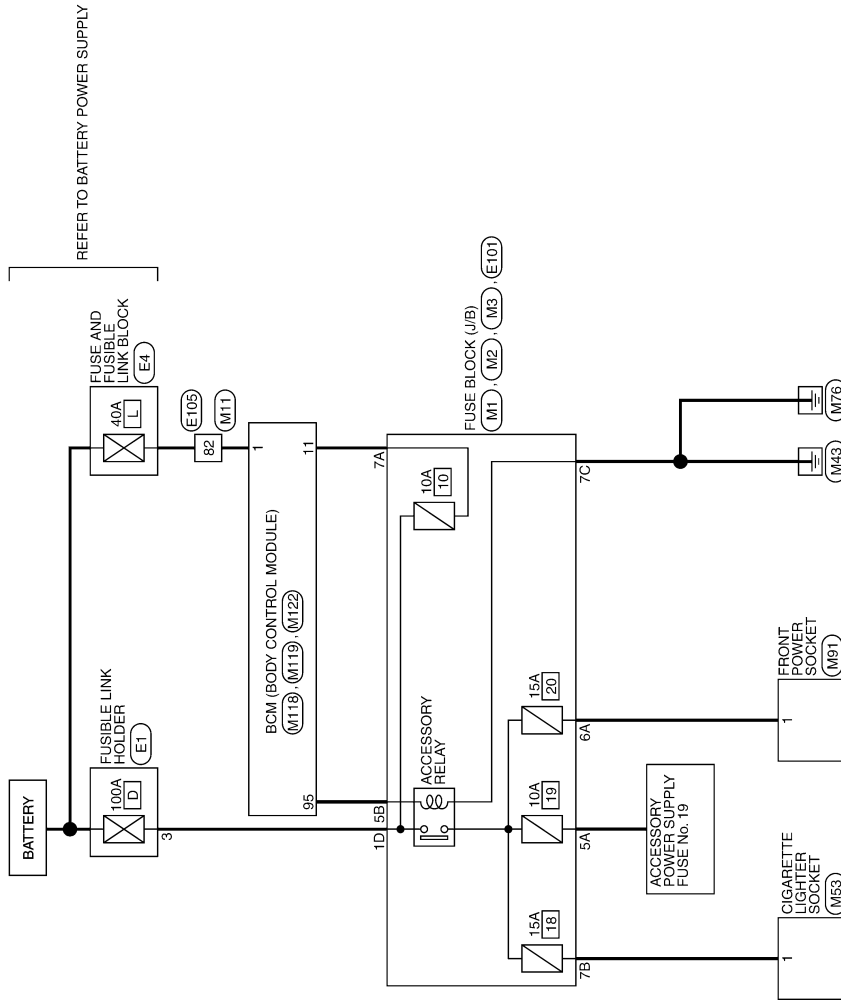
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

Wiring Diagram - ACCESSORY POWER SUPPLY -

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ACCESSORY POWER SUPPLY



2008/09/23

JCMWM3236GB

A
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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

ACCESSORY POWER SUPPLY

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



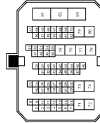
Terminal No.	Color of Wire	Signal Name [Specification]
3	W	-
4	R	-

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



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

Connector No.	E105
Connector Name	WIRE TO WIRE
Connector Type	TH20MW-CS10-M3



Terminal No.	Color of Wire	Signal Name [Specification]
2	BR	-
3	Y	-
4	W	-

5	LG	-
6	GR	-
8	G	-
11	P	-
12	L	-
13	Y	-
14	O	-
15	BR	-
20	Y	-
21	BR	-
22	P	-
23	P	-
24	L	-
25	O	-
26	G	-
27	V	-
28	SB	-
29	W	-
30	Y	-
47	P	-
48	L	-
49	SB	-
50	GR	-
51	LG	-
52	V	-
53	GR	-
54	BR	-
55	Y	-
56	W/L	-
60	V	-
61	BR	-
62	O	-
63	L/O	-
64	SHIELD	-
66	W	-
67	BR	-
68	Y	-
69	SB	-
70	GR	-
71	SB	-
72	Y	-
73	L	-
74	W	-
75	BR	-
76	GR	-
77	O	-
78	V	-
79	Y	-
80	R	-
81	W	-
82	LG	-
83	O	-

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



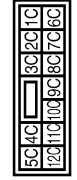
Terminal No.	Color of Wire	Signal Name [Specification]
1A	Y	-
2A	G	-
3A	Y	-
4A	GR	-
5A	R	-
6A	W	-
7A	LG	-
8A	Y	-

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



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

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



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

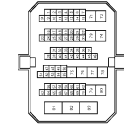
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

ACCESSORY POWER SUPPLY

Connector No.	M11
Connector Name	WIRE TO WIRE
Connector Type	TH02PW-CS10-M3



Terminal No.	Color of Wire	Signal Name [Specification]
2	L	-
3	P	-
4	O	-
5	O	-
6	G	-
8	R	-
11	P	-
12	L	-
13	V	-
14	Y	-
15	R	-
20	Y	-
21	BR	-
22	G	-
23	P	-
24	Y	-
25	L	-
26	L	-
27	O	-
28	BR	-
29	L	-
30	R	-
47	P	-
48	L	-
49	W	-
50	GR	-
51	LG	-
52	Y	-
53	V	-
54	SB	-
55	P	-
56	SB	-
60	V	-
61	GR	-
62	O	-
63	V	-
64	SHIELD	-
66	W	-

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

Connector No.	M83
Connector Name	CIGARETTE LIGHTER SOCKET
Connector Type	P02PB-Z



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

Connector No.	M81
Connector Name	FRONT POWER SOCKET
Connector Type	P02PB-Z



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

2	B	-
---	---	---

Connector No.	M118
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	M08PB-LC



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

Connector No.	M119
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	MS18FW-CS



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

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



Terminal No.	Color of Wire	Signal Name [Specification]
72	B	ROOM ANTZ-
73	W	ROOM ANTZ+
74	Y	PASSENGER DOOR ANT-
75	LG	PASSENGER DOOR ANT+
76	V	DRIVER DOOR ANT-
77	P	DRIVER DOOR ANT+
80	SB	IMMOBILIZER ANTENNA CONTROL
81	O	IMMOBILIZER ANTENNA SIGNAL
82	BR	IGN RELAY (F/B) CONT
83	P	KEYLESS ENTRY RECEIVER SIGNAL
87	R	COMBI SW INPUT 5
88	GR	COMBI SW INPUT 3
89	BR	PUSH SW
90	P	CAN-L
91	L	CAN-H
92	R	KEY SLOT ILL
93	P	ON IND
95	L	ACC RELAY CONT
96	Y	CVT SHIFT SELECTOR POWER SUPPLY
97	O	S/L CONDITION 1
98	L	S/L CONDITION 2
99	V	S/L SHFT P
100	P	PASSENGER DOOR REQUEST SW
101	W	DRIVER DOOR REQUEST SW
102	Y	BLOWER FAN MOTOR RELAY CONT
103	L	KEYLESS ENTRY RECEIVER POWER SUPPLY
106	Y	S/L POWER SUPPLY
107	O	COMBI SW INPUT 1
108	P	COMBI SW INPUT 4
109	SB	COMBI SW INPUT 2
110	G	HAZARD SW
111	LG	S/L COMM

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

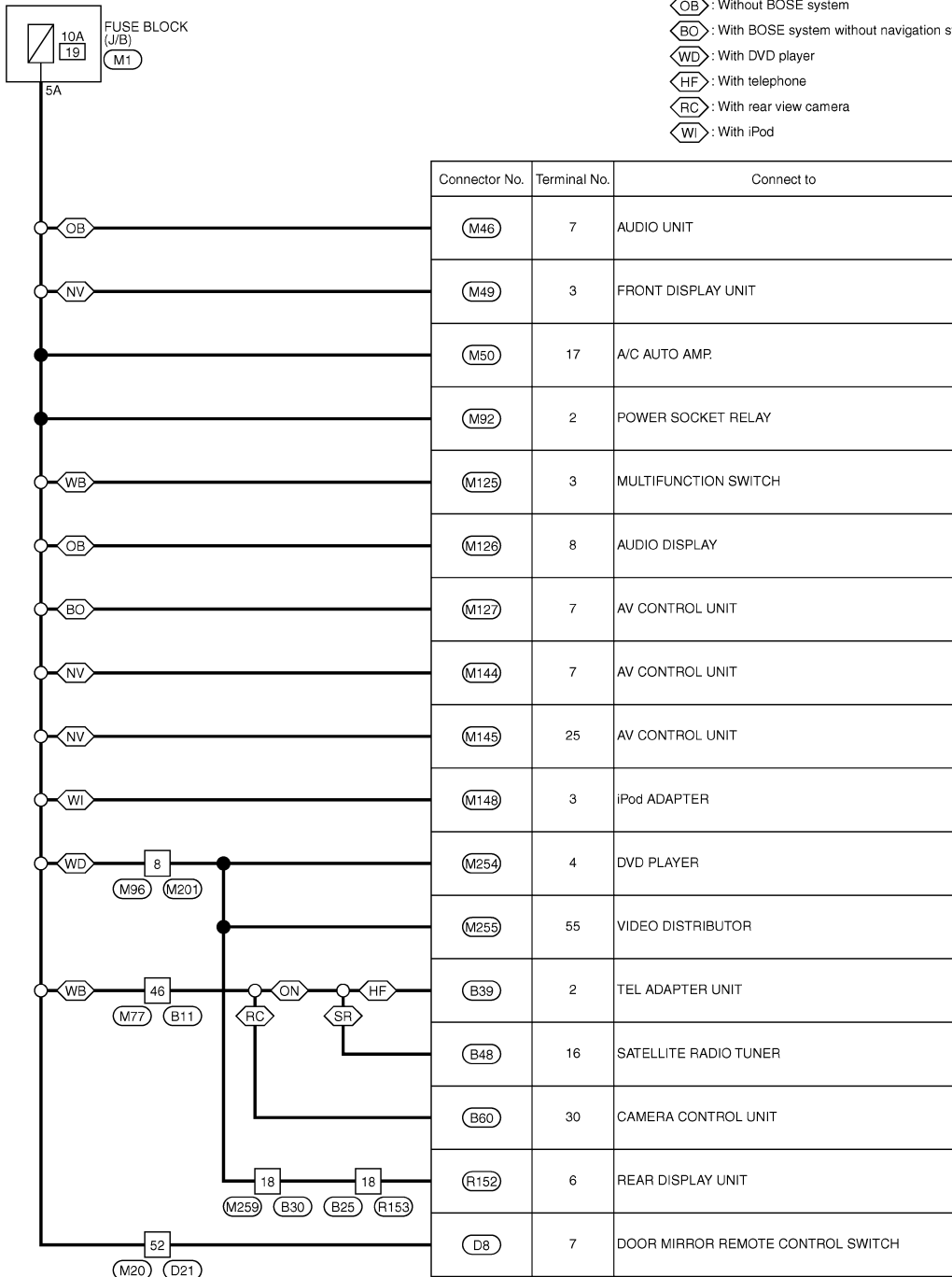
[POWER SUPPLY&GROUND CIRCUIT]

Wiring Diagram - ACCESSORY POWER SUPPLY FUSE No. 19 -

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ACCESSORY POWER SUPPLY FUSE No. 19

- ◊SR◊ : With satellite radio
- ◊NV◊ : With navigation system
- ◊ON◊ : Without navigation system
- ◊WB◊ : With BOSE system
- ◊OB◊ : Without BOSE system
- ◊BO◊ : With BOSE system without navigation system
- ◊WD◊ : With DVD player
- ◊HF◊ : With telephone
- ◊RC◊ : With rear view camera
- ◊WI◊ : With iPod



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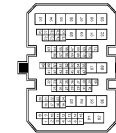
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

ACCESSORY POWER SUPPLY FUSE No. 19

Connector No.	B11
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS.9



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

44	BR	
45	L	
46	GR	
47	GR	
48	GR	[With rear view camera and telephone]
48	BR	[With rear view camera without telephone]
49	Y	
50	SHIELD	
51	B	
52	B	
53	Y	
54	LG	
55	BR	
56	P	
57	L	
58	R	
59	SHIELD	
60	B	
61	R/L	
62	R/W	
63	LG	
64	Y	
66	GR	
67	G	
68	R	
69	SHIELD	
70	W/R	
71	B/R	
72	Y	
73	LG	
74	SB	
75	L	
76	G	
77	R	
78	SHIELD	
79	B	
80	W	
81	R	
82	L	
83	BR	
84	O	
85	G	
86	SB	
87	R	
88	G	
89	GR	
90	Y	
91	G	
92	BR	
93	G	
94	V	
95	BR	

96	GR	
97	R	
98	LG	
99	O	

Connector No.	B25
Connector Name	WIRE TO WIRE
Connector Type	THS2MW-NH



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32

Terminal No.	Color of Wire	Signal Name [Specification]
1	SB	
2	B	
4	SHIELD	
5	W/R	
6	W/L	
7	SHIELD	
8	GR/V	
9	W/L	
10	SHIELD	
11	W/L	
12	Y/G	
13	Y/L	
14	BR/L	
16	V	
18	O	
21	B/R	
22	W/R	
23	SHIELD	
24	B	
25	R/L	
26	R/W	
27	SHIELD	
28	B	
29	W	
30	SHIELD	
31	P	

Connector No.	E30
Connector Name	WIRE TO WIRE
Connector Type	TH32PW-NH



16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17

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

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

ACCESSORY POWER SUPPLY FUSE No. 19

Connector No.	B39
Connector Name	TEL ADAPTER UNIT
Connector Type	TH27V-NH



2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32
1	3	5	7	9	11	13	15	17	19	21	23	25	27	29	31

Terminal No.	Color of Wire	Signal Name [Specification]
1	V	BATTERY
2	GR	ACC
3	R	IGNITION
4	B/W	GND
5	SHIELD	SHIELD
6	SHIELD	SHIELD
7	R/Y	MICROPHONE SIGNAL
8	R/Y	MICROPHONE GND
9	B/R	TEL VOICE SIGNAL (+)
10	W/R	TEL VOICE SIGNAL (-)
14	B	GND
20	B	CONTROL SIGNAL
24	B/W	CONTROL SIGNAL
28	BR	VEHICLE SPEED (8-PULSE)
29	B	MICROPHONE VCC

Connector No.	B48
Connector Name	SATELLITE RADIO TUNER
Connector Type	AI6FW



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

Terminal No.	Color of Wire	Signal Name [Specification]
1	W/L	SOUND SIGNAL LH (-)
2	Y/L	SOUND SIGNAL LH (+)
3	Y/G	SOUND SIGNAL RH (-)
4	BR/L	SOUND SIGNAL RH (+)
5	SHIELD	SHIELD
6	SHIELD	SHIELD
8	R/W	REQUEST (SAT->CONT)

9	R/L	COMM (SAT->CONT)
10	B	COMM (CONT->SAT)
12	V	BATTERY
15	B	GND
16	GR	ACC

Connector No.	B60
Connector Name	CAMERA CONTROL UNIT
Connector Type	TH32FW-NH



2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32
1	3	5	7	9	11	13	15	17	19	21	23	25	27	29	31

Terminal No.	Color of Wire	Signal Name [Specification]
5	SHIELD	SHIELD
6	B	CAMERA IMAGE SIGNAL
7	R/W	GND
8	R/L	CAMERA ON SIGNAL
11	SHIELD	SHIELD
12	B	CAMERA IMAGE SIGNAL
14	L	CONNECTION RECOGNITION
17	BR	AV COMM (L)
18	Y	AV COMM (H)
19	GR	AV COMM (L)
20	G	AV COMM (H)
22	R	REVERSE
23	G	SENSOR SIGNAL 1
24	SR	SENSOR SIGNAL 2
25	O	SENSOR SIGNAL 3
26	GR	VEHICLE SPEED (8-PULSE)
30	GR	ACC
31	B	GND
32	V	BATTERY

Connector No.	D8
Connector Name	REAR MIRROR ASSETS CONTROL SWITCH WITHOUT AUTOMATIC MIRROR POSITIONER
Connector Type	TK16FW



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

Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
7	L	-
8	Y	-
9	L	-
10	V	-
12	P	-
13	LG	-
14	BR	-
15	O	-
16	SB	-

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



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32

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

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

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

ACCESSORY POWER SUPPLY FUSE No. 19

Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS86FW-M2



3A	2A	1A
8A	7A	6A
5A	4A	3A

Terminal No.	Color of Wire	Signal Name [Specification]
1A	Y	-
2A	G	-
3A	Y	-
4A	GR	-
5A	R	-
6A	W	-
7A	LG	-
8A	Y	-

Connector No.	M20
Connector Name	WIRE TO WIRE
Connector Type	TH40MW-CS15



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30

Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	G	-
3	W	-
4	B	-
5	L	-
6	V	-
7	BR	-
8	O	-
9	SB	-
10	L	-
11	G	-
14	B	-
15	GR	-
16	L	-

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

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



1	2	3	4	5	6	7	8	9
10	11	12	13	14	15	16	17	18
19	20	21	22	23	24	25	26	27

Terminal No.	Color of Wire	Signal Name [Specification]
2	L	SOUND SIGNAL FRONT LH (+)
3	B	SOUND SIGNAL FRONT LH (-)
4	LG	SOUND SIGNAL REAR LH (+)
5	Y	SOUND SIGNAL REAR LH (-)
6	W	STRG SW A
7	R	ACC

8	SB	ILLUMINATION CONTROL
9	R	ILLUMINATION
11	BR	SOUND SIGNAL FRONT RH (+)
12	W	SOUND SIGNAL FRONT RH (-)
13	O	SOUND SIGNAL REAR RH (+)
14	P	SOUND SIGNAL REAR RH (-)
15	SB	STRG SW GND
16	Y	STRG SW B
19	Y	BATTERY

Connector No.	M49
Connector Name	FRONT DISPLAY UNIT
Connector Type	TH24FW-NH



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

Terminal No.	Color of Wire	Signal Name [Specification]
1	B	GND
2	Y	BATTERY/With navigation system
2	Y	BATTERY/With navigation system
3	R	ACC/With navigation system
3	O	SIGNAL VCC/Without navigation system
4	SHIELD	SHIELD/With navigation system
4	P	COMPOSITE IMAGE GND/Without navigation system
5	B	AUX IMAGE GND/With navigation system
5	SHIELD	SHIELD/Without navigation system
6	R	RGB (G, GREEN) SIGNAL/With navigation system
6	L	RGB (G, GREEN) SIGNAL/Without navigation system
7	SHIELD	SHIELD
8	B	HP/With navigation system
8	G	HP/Without navigation system
9	W	RGB AREA (YS) SIGNAL
11	R	COMM (OONT->DISP)
12	W	CAMERA IMAGE SIGNAL
13	B	GND/With navigation system
13	BR	INVERTER GND/Without navigation system
14	SHIELD	SHIELD/With navigation system
14	LG	SIGNAL GND/Without navigation system
15	Y	AUX IMAGE SIGNAL/With navigation system
15	L	COMPOSITE IMAGE SIGNAL/Without navigation system
17	G	RGB (R, RED) SIGNAL
18	W	RGB (B, BLUE) SIGNAL/With navigation system
18	Y	RGB (B, BLUE) SIGNAL/Without navigation system
19	B	RGB SYNC

20	R	VP
21	SHIELD	SHIELD
22	G	COMM (DISP->CONT)
23	SHIELD	SHIELD

Connector No.	M50
Connector Name	A/C AUTO AMP.
Connector Type	SAB40FW



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

Terminal No.	Color of Wire	Signal Name [Specification]
1	L	CAN-H
2	P	CAN-L
6	L	TX (AMP)/SWDD (SP)
7	P	RX (SW/AMP)
10	L	LAN SIG
11	R	VACTR
15	O	SUN SENS
16	G	INTAKE SENS
17	R	ACC
19	B	GND
20	G	IGN
26	GR	RR DEF F/B
27	BR	RR DEF ON
32	L	FAN PWM
34	P	AMB POWER
35	L	AMB SENS
36	LG	IRCAR SENS
37	Y	SENS GND
39	B	GND (POWER)
40	Y	BAT

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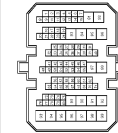
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

ACCESSORY POWER SUPPLY FUSE No. 19

Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CST19

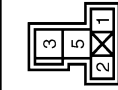


Terminal No.	Color of Wire	Signal Name [Specification]
1	SHIELD	
2	B	
3	W	
4	R	
5	Y	
6	W	
7	G	
8	SHIELD	
9	W	
10	R	
11	G	
12	B	
13	O	
14	R	
15	SB	
16	R	
17	V	
18	P	
19	P	
20	LG	
21	Y	
22	O	
23	LG	
24	SB	
25	Y	
27	Y	
28	R	
30	Y	
31	W	
32	BR	
34	Y	
35	SHIELD	
36	G	
37	Y	
40	O	
41	O	
42	SB	
43	L	

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

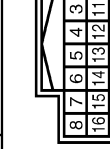
95	O	
96	SB	
97	L	
98	LG	
99	Y	

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



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

Connector No.	M86
Connector Name	WIRE TO WIRE
Connector Type	TH18FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	
3	R	
4	L	
5	L	
6	R	
7	SHIELD	
8	R	
9	G	
10	R	
11	B	
12	G	

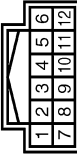
13	R	
14	W	
15	SHIELD	
16	B	

Connector No.	M125
Connector Name	MULTIFUNCTION SWITCH
Connector Type	TH18FW-NH



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

Connector No.	M128
Connector Name	AUDIO DISPLAY
Connector Type	TH12FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	AV COMM (L)
2	R	AV COMM (H)
3	B	GND
8	R	ACC
9	Y	+B
10	R	ILL+
11	SB	ILL-

POWER SUPPLY ROUTING CIRCUIT

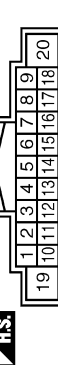
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[POWER SUPPLY&GROUND CIRCUIT]

ACCESSORY POWER SUPPLY FUSE No. 19

Terminal No.	19	Y	BATTERY
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Connector No.	M145
Connector Name	AV CONTROL UNIT (WITH NAVIGATION SYSTEM)
Connector Type	TH40FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
6	BR	STRG SW A
7	R	ACC
9	R	ILLUMINATION
15	L	STRG SW GND
16	G	STRG SW B
18	Y	BATTERY
20	B	GND

Connector No.	M144
Connector Name	AV CONTROL UNIT (WITH NAVIGATION SYSTEM)
Connector Type	TH18FW-CSZ



Terminal No.	Color of Wire	Signal Name [Specification]
1	P	AMP ON SIGNAL
2	G	SOUND SIGNAL FRONT LH (+)
3	R	SOUND SIGNAL FRONT LH (-)
4	L	SOUND SIGNAL REAR LH (+)
5	R	SOUND SIGNAL REAR LH (-)
6	BR	STRG SW A
7	R	ACC
9	R	ILLUMINATION
10	SHIELD	SHIELD
11	B	SOUND SIGNAL FRONT RH (+)
12	W	SOUND SIGNAL FRONT RH (-)
13	V	SOUND SIGNAL REAR RH (+)
14	LG	SOUND SIGNAL REAR RH (-)
15	L	STRG SW GND
16	G	STRG SW B

Terminal No.	19	Y	BATTERY
--------------	----	---	---------

Connector No.	M145
Connector Name	AV CONTROL UNIT (WITH NAVIGATION SYSTEM)
Connector Type	TH40FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
21	B	GND
22	Y	BATTERY
23	B	GND
24	Y	BATTERY
25	R	ACC
26	B	MICROPHONE VCC
27	SHIELD	MICROPHONE GND
28	W	MICROPHONE SIGNAL
35	G	IGNITION
36	G	PARKING BRAKE
37	SB	REVERSE
38	V	VEHICLE SPEED (6-PULSE)
40	P	CONNECTION RECOGNITION
42	B	CONTROL SIGNAL
43	B	CONTROL SIGNAL
48	G	AV COMM (H)
49	L	AV COMM (L)
50	R	AV COMM (H)
51	L	AV COMM (L)
52	L	CAN-H
53	P	CAN-L

Connector No.	M201
Connector Name	WIRES TO WIRE
Connector Type	TH18MW-NH



Terminal No.	1	Y	BATTERY
2	R	ACC	
3	R	ACC	
4	G	ACC	
5	L	ACC	
6	R	ACC	
7	SHIELD	SHIELD	
8	V	ACC	
9	G	ACC	
10	R	ACC	
11	B	ACC	
12	G	ACC	
13	R	ACC	
14	W	ACC	
15	SHIELD	SHIELD	

Connector No.	M148
Connector Name	IPod ADAPTER
Connector Type	TH24FW-NH



Terminal No.	1	BR	IPod SOUND SIGNAL LH (+)
2	R	IPod SOUND SIGNAL RH (+)	
3	R	ACC	
4	L	AV COMM (L)	
5	Y	BATTERY	
8	W	CHARGE POWER	
9	G	COMM (IPod ADAPTER->IPod)	
10	R	COMM (IPod->IPod ADAPTER)	
11	R	ACCESSORY IDENTITY	
12	V	IPod SOUND SIGNAL RH (+)	
13	L	IPod SOUND SIGNAL LH (-)	
14	W	IPod SOUND SIGNAL RH (-)	
15	SHIELD	SHIELD	
16	R	AV COMM (H)	
17	SHIELD	GND	
21	L	SHIELD	
22	BR	IPod CONNECTION RECOGNITION	
23	R	ACCESSORY DETECT	
24	R	IPod SOUND SIGNAL GND	
25	LG	IPod SOUND SIGNAL LH (+)	

Connector No.	M234
Connector Name	DVD PLAYER
Connector Type	TH32FW-NH



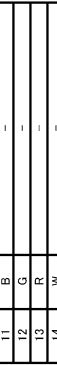
Terminal No.	Color of Wire	Signal Name [Specification]
1	B	GND
2	Y	BATTERY
3	R	ILLUMINATION
4	V	ACC
5	SHIELD	SHIELD
7	P	DVD IMAGE SIGNAL
11	B	AUX SOUND SIGNAL LH (-)
12	W	AUX SOUND SIGNAL RH (-)
13	G	AUX SOUND SIGNAL LH (+)
14	R	AUX SOUND SIGNAL RH (+)
16	SHIELD	SHIELD
17	G	HEADPHONE SOUND SIGNAL LH (+)
18	R	HEADPHONE SOUND SIGNAL LH (-)
19	V	HEADPHONE SOUND SIGNAL RH (+)
20	LG	HEADPHONE SOUND SIGNAL RH (-)
21	B	SOUND SIGNAL LH (+)
22	G	SOUND SIGNAL LH (-)
23	R	SOUND SIGNAL RH (+)
24	W	SOUND SIGNAL RH (-)
29	L	AV COMM (L)
30	R	AV COMM (R)
31	L	AV COMM (L)
32	R	AV COMM (R)

Connector No.	M201
Connector Name	WIRES TO WIRE
Connector Type	TH18MW-NH



Terminal No.	1	Y	BATTERY
2	R	ACC	
3	R	ACC	
4	G	ACC	
5	L	ACC	
6	R	ACC	
7	SHIELD	SHIELD	
8	V	ACC	
9	G	ACC	
10	R	ACC	
11	B	ACC	
12	G	ACC	
13	R	ACC	
14	W	ACC	
15	SHIELD	SHIELD	

Connector No.	M148
Connector Name	IPod ADAPTER
Connector Type	TH24FW-NH



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

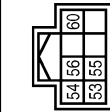
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

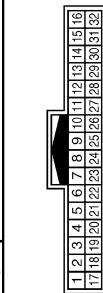
ACCESSORY POWER SUPPLY FUSE No. 19

Connector No.	M295
Connector Name	VIDEO DISTRIBUTOR
Connector Type	TH08FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
53	B	GND
54	Y	BATTERY
55	V	ACC
56	G	IGNITION
60	R	HEADPHONE ON SIGNAL

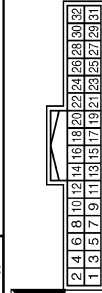
Connector No.	M299
Connector Name	WIRE TO WIRE
Connector Type	TH02MW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	R	-
4	SHIELD	-
5	LG	-
6	V	-
7	SHIELD	-
8	R	-
9	G	-
10	SHIELD	-
11	W	-
12	G	-
13	L	-
14	R	-
16	G	-
18	V	-
19	L	-
21	LG	-

22	V	-
23	SHIELD	-
24	B	-
25	W	-
26	R	-
27	SHIELD	-
28	G	-
29	R	-
30	SHIELD	-
31	R	-

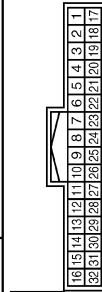
Connector No.	R152
Connector Name	REAR DISPLAY UNIT
Connector Type	TH02FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	GND
2	B	GND
3	Y/R	BATTERY
4	Y/R	BATTERY
5	R	HEADPHONE ON SIGNAL
6	V/Y	ACC
8	SHIELD	SHIELD
9	V	COMM (DISP->DIST)
10	LG	COMM (DIST->DISP)
11	G	IGNITION
12	SHIELD	SHIELD
13	G	COMPOSITE SYNC
14	R	COMPOSITE IMAGE SIGNAL
15	B	RGB AREA (Y/S) SIGNAL
16	SHIELD	GND
17	R	VP
18	W	HP
19	W/L	RGB GND
20	Y/G	RGB (B/BLUE) SIGNAL
21	Y/L	RGB (G/GREEN) SIGNAL
22	BR/L	RGB (R/RED) SIGNAL
23	SHIELD	SHIELD
24	SHIELD	SHIELD
25	LG	HEADPHONE SOUND SIGNAL RH (-)
26	BR	HEADPHONE SOUND SIGNAL LH (-)
27	V	HEADPHONE SOUND SIGNAL RH (+)

28	Y	HEADPHONE SOUND SIGNAL LH (+)
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Connector No.	R153
Connector Name	WIRE TO WIRE
Connector Type	TH02FW-NH



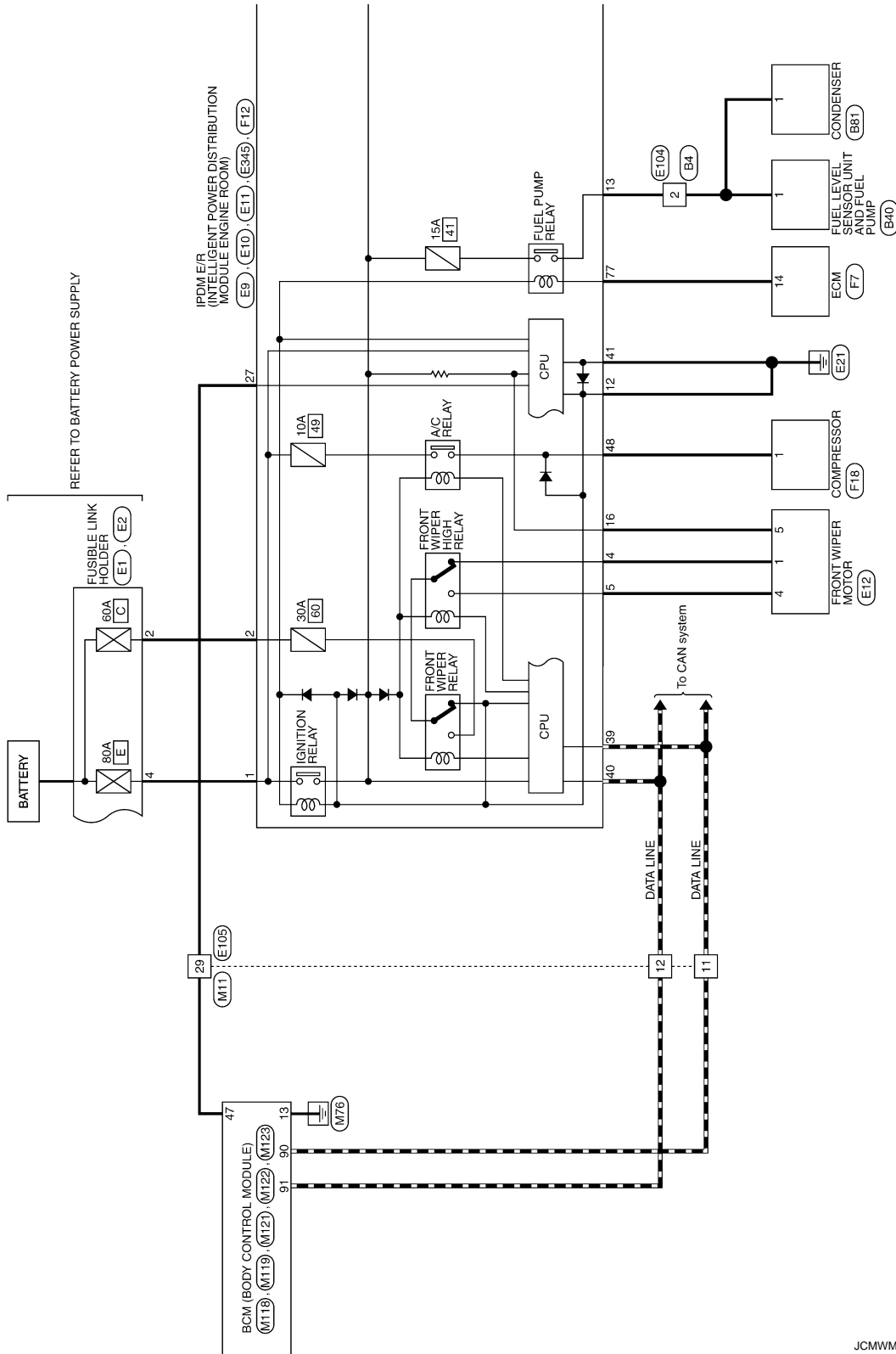
Terminal No.	Color of Wire	Signal Name [Specification]
1	Y/R	-
2	B	-
4	SHIELD	-
5	LG	-
6	V	-
7	SHIELD	-
8	BR	-
9	Y	-
10	SHIELD	-
11	W/L	-
12	Y/G	-
13	Y/L	-
14	BR/L	-
16	G	-
18	V/Y	-
21	LG	-
22	V	-
23	SHIELD	-
24	B	-
25	W	-
26	R	-
27	SHIELD	-
28	G	-
29	R	-
30	SHIELD	-
31	R	-

JCMWM4958GB

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]



JCMWM3245GB

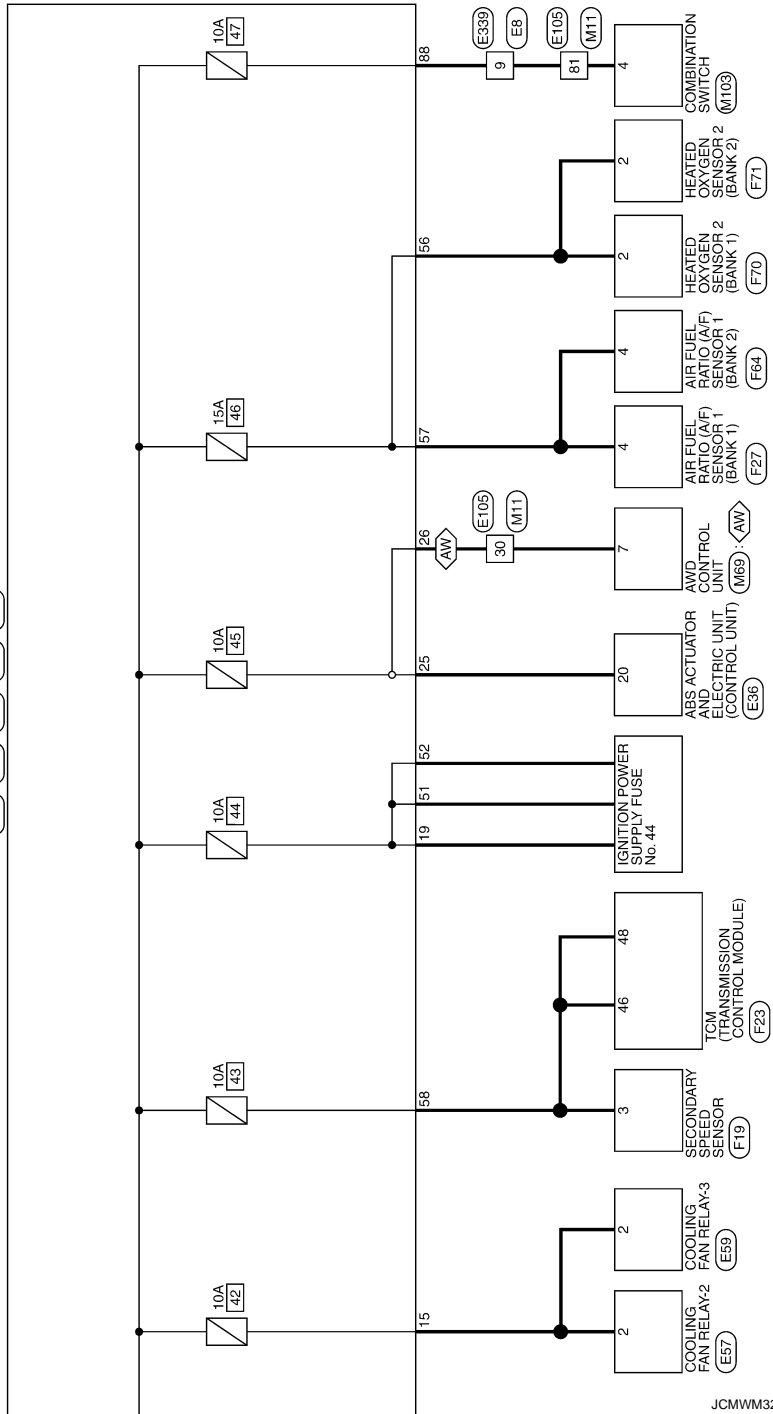
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

AW : AWD models

IPM, E/R
AWD CENT. POWER DISTRIBUTION
MODULE (ENGINE ROOM)
(E9) (E10) (E11) (E345) (F12)



JCMWM3246GB

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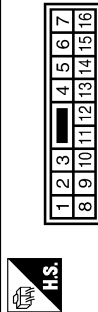
POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY&GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

IGNITION POWER SUPPLY

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



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

Connector No.	B8
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS12FBR-CS



Terminal No.	Color of Wire	Signal Name [Specification]
2G	GR	-
4G	L	-
5G	P	-
10G	Y	-
11G	Y	-

Connector No.	B40
Connector Name	FUEL LEVEL SENSOR UNIT AND FUEL PUMP
Connector Type	ESB5GY-RS



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

Connector No.	B74
Connector Name	CONDENSER
Connector Type	PO1FB-A



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

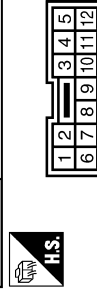
Connector No.	B81
Connector Name	CONDENSER
Connector Type	MO2FW-LC



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

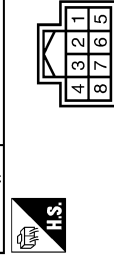
1	W
2	B

Connector No.	B209
Connector Name	WIRE TO WIRE
Connector Type	TK12MG-Y-8D



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

Connector No.	B215
Connector Name	SOCUPART CLASSIFICATION SYSTEM CONTROL UNIT
Connector Type	TH08FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
2	LG	COMMUNICATION
4	W	IGN
5	B	GND

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



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

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

IGNITION POWER SUPPLY

Connector No.	D21
Connector Name	WIRE TO WIRE
Connector Type	TH40PW-CS15

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

Terminal No.	Color of Wire	Signal Name [Specification]
1	V	-
2	G	-
3	P	-
4	B	-
5	W	-
6	SB	-
7	P	-
8	BR	-
9	GR	-
10	V	-
11	O	-
14	B	-
15	LG	-
16	G	-
17	Y	-
18	GR	-
19	BR	-
20	LG	-
24	P	-
25	V	-
26	W	-
28	V	-
30	SB	-
31	BR	-
32	R	-
33	G	-
34	Y	-
35	L	-
41	P	-
42	GR	-
43	L	-
44	W	-
45	SB	-
46	R	-
50	V	-
51	O	-
52	P	- [With automatic drive positioner]
52	L	- [Without automatic drive positioner]

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

Connector No.	D41
Connector Name	WIRE TO WIRE
Connector Type	TH40PW-CS15

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

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

Connector No.	D43
Connector Name	DOOR MIRROR (PASSENGER SIDE)
Connector Type	TH24MW-NH

12	11	10	9	8	7	6	5	4	3	2	1
24	23	22	21	20	19	18	17	16	15	14	13

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

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

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

Connector No.	E2
Connector Name	FUSIBLE LINK HOLDER
Connector Type	LO2FBR-MC-B

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

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

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

Terminal No.	Color of Wire	Signal Name [Specification]
3	GR	-
4	SB	-
5	O	-
8	G	-
9	W	-
10	Y	-
11	G	-

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

IGNITION POWER SUPPLY

Connector No.	E9
Connector Name	SWAYLE INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	LOPEF-MC



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

Connector No.	E10
Connector Name	SWAYLE INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	TH20PW-CS12-MM-1V



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

32	V	-
33	G	-
34	O	-
35	P	-
38	G	-
38	GR	-

Connector No.	E11
Connector Name	SWAYLE INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	TH08FW-NH



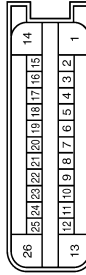
Terminal No.	Color of Wire	Signal Name [Specification]
39	P	-
40	L	-
41	B	-
42	SB	-
43	Y	-
44	W	-
45	O	-
46	BR	-

Connector No.	E12
Connector Name	FRONT WIPER MOTOR
Connector Type	HS08FGY



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
2	B/W	-
4	Y	-
5	L/Y	-

Connector No.	E36
Connector Name	ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT)
Connector Type	AE22ZFB-AZL-LH



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	VALVE/ECU SUPPLY
2	Y	WSS RL SIG(-)
3	L	WSS RL PWRT(-)
4	GR	CLUSTER SUPPLY
5	BR	WSS FR PWRT(-)
6	W	WSS FR SIG(-)
7	LG	BLS
8	V	WSS FL SIG(-)
9	W	WSS FL PWRT(-)
10	SB	CLUSTER GND
11	P	WSS RR PWRT(-)
12	V	WSS RR SIG(-)
13	B/W	MOTOR GND
14	G	MOTOR SUPPLY
16	SB	BLS
19	BR	CAN2 H
20	GR	CAN1 L
21	P	CAN1 L
22	Y	VDC OFF SW
23	L	CAN1 H
25	W	CAN2 L
26	B/W	VALVE/ECU GND

Connector No.	E37
Connector Name	COOLING FAN RELAY-2
Connector Type	MO06FER-R-LC



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

1	SB	-
2	G	-
3	L	-
5	Y	-
6	B	-
7	R	-

Connector No.	E59
Connector Name	COOLING FAN RELAY-3
Connector Type	MO06FER-R-LC



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

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



Terminal No.	Color of Wire	Signal Name [Specification]
ID	W	-

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

IGNITION POWER SUPPLY

Connector No.	E102
Connector Name	FUSE BLOCK (J/B)
Connector Type	MS2FB-LC



2E1E

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

Connector No.	E103
Connector Name	FUSE BLOCK (J/B)
Connector Type	MS16FW-CS



7F 6F 5F 4F 3F 2F 1F	16F 15F 14F 13F 12F 11F 10F 9F 8F
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Terminal No.	Color of Wire	Signal Name [Specification]
1F	L	-
2F	LG	-
4F	BR	-
6F	Y	-
8F	R	-
9F	GR	-
11F	G	-
12F	V	-

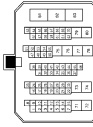
Connector No.	E104
Connector Name	WIRE TO WIRE
Connector Type	NS16FW-CS



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

Connector No.	E105
Connector Name	WIRE TO WIRE
Connector Type	TH7DMH-CS-0-M3



Terminal No.	Color of Wire	Signal Name [Specification]
2	BR	-
3	Y	-
4	W	-
5	LG	-
6	GR	-
8	G	-

11	P	-
12	V	-
13	Y	-
14	O	-
15	BR	-
20	Y	-
21	BR	-
22	P	-
23	P	-
24	L	-
25	O	-
26	G	-
27	V	-
28	SB	-
29	W	-
30	Y	-
47	P	-
48	L	-
49	SB	-
50	GR	-
51	LG	-
52	V	-
53	GR	-
54	BR	-
55	Y	-
56	W/L	-
60	V	-
61	BR	-
62	O	-
63	L/O	-
64	SHIELD	-
66	W	-
67	BR	-
68	Y	-
69	SB	-
70	GR	-
71	SB	-
72	Y	-
73	L	-
74	W	-
75	BR	-
76	GR	-
77	O	-
78	V	-
79	Y	-
80	R	-
81	W	-
82	LG	-
83	O	-

Connector No.	E339
Connector Name	WIRE TO WIRE
Connector Type	NS12FBR-CS



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

Terminal No.	Color of Wire	Signal Name [Specification]
3	O	-
4	G	-
5	O	-
8	G	-
9	W	-
10	Y	-
11	R	-

Connector No.	E345
Connector Name	FROM I/R INTELLIGENT POWER DISTRIBUTION MODULE (PWR ROOM)
Connector Type	NS308FW-CS



85	84 83
90 89 88 87 86	

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

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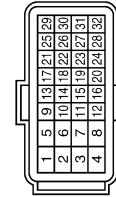
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

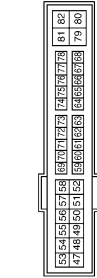
IGNITION POWER SUPPLY

Connector No.	F7
Connector Name	ECM
Connector Type	RH24FGY-R26-R-LH



Terminal No.	Color of Wire	Signal Name [Specification]
1	P/B	INJ#6
2	G/W	VMOT-B1
3	L/W	INJ#5
4	BR/Y	AFH1
5	L	MOTOR1-B1
6	P	MOTOR2-B1
8	SB	AFH2
9	L/B	IGN#3
10	G/R	IGN#2
11	Y/R	IGN#1
12	B	GND
13	P/B	O2HRI
14	GR	FPR
15	O	MOTRLY-B1
16	B/Y	GND
17	R	O2HR2
18	GR/R	IGN#6
19	P	IGN#5
21	W	IGN#4
24	W/B	SSOFF
25	P/L	EVAP
26	GR/B	VIAS2
27	V	VIAS1
28	BR/W	EMRIV
29	LG/R	INJ#4
30	R/Y	INJ#3
31	R/W	INJ#2
32	R/B	INJ#1

Connector No.	F12
Connector Name	ENGINE INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ICDM)
Connector Type	TH2DFW-CS12-M4



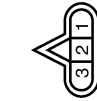
Terminal No.	Color of Wire	Signal Name [Specification]
48	W	-
49	R/B	-
51	LG	-
52	Y/G	-
53	R/W	-
54	G/W	-
55	W/L	-
56	R/Y	-
57	O	-
58	Y	-
69	W/B	-
70	O	-
72	R/B	-
75	LG	-
76	SB	-
77	GR	-
80	B	-

Connector No.	F18
Connector Name	COMPRESSOR
Connector Type	RH02FB



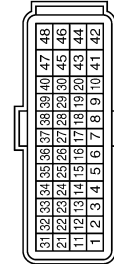
Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	B	-

Connector No.	F19
Connector Name	SECONDARY SPEED SENSOR
Connector Type	RK03FB



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

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



Terminal No.	Color of Wire	Signal Name [Specification]
1	P/B	INH SW 2
2	P/L	INH SW 3
3	G/O	INH SW 4
4	GR	INH SW 3 MON
5	B	GND
7	W	SENSOR GND
8	G/W	CLOCK (SEL2)
9	L/R	CHIP SELECT (SEL1)
10	BR/R	DATA I/O (SEL3)
11	BR/W	INH SW 1
13	V	ATF TEMP SENSOR
14	R/W	PRI PRESS SENSOR
15	V/W	SEC PRESS SENSOR
19	G/B	REV LAMP RELAY
20	R/B	STARTER RELAY
25	W/R	SENSOR GND
26	L/O	SENSOR POWER SOURCE(5V)
27	R/G	S/M-D
28	R	S/M-C

29	O/B	S/M-B
30	G/R	S/M-A
31	P	CAH-L
32	L	CAH-H
33	LG	PRI SPEED SENSOR
34	LG/R	SEC SPEED SENSOR
37	V/R	L/UXSEL-ON/OFF SOL
38	L/W	L/UXSEL-LINEAR SOL
39	W/B	SEC-LINEAR SOL
40	R/Y	PL LINEAR SOL
42	B	GND
46	Y	VGN
47	L/R	BATT
48	Y	VGN

Connector No.	F27
Connector Name	AIR FUEL RATIO (A/F) SENSOR 1 (BANK 1)
Connector Type	AF204FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	P	-
2	L	-
3	BR/Y	-
4	O	-

JCMWM4963GB

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

IGNITION POWER SUPPLY

Connector No.	F64
Connector Name	AIR FUEL RATIO (A/F) SENSOR 1 (BANK 2)
Connector Type	AFZ04FB



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

Connector No.	F70
Connector Name	HEATED OXYGEN SENSOR 2 (BANK 1)
Connector Type	AFZ04FB



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

Connector No.	F71
Connector Name	HEATED OXYGEN SENSOR 2 (BANK 2)
Connector Type	AFZ04FB



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

Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	NSD0FW-M2



Terminal No.	Color of Wire	Signal Name [Specification]
1A	Y	-
2A	G	-
3A	Y	-
4A	GR	-
5A	R	-
6A	W	-
7A	LG	-
8A	Y	-

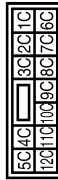
Connector No.	M2
Connector Name	FUSE BLOCK (J/B)
Connector Type	NSD0FW-CS



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

4B	R
5B	GR

Connector No.	M3
Connector Name	FUSE BLOCK (J/B)
Connector Type	NSD2FW-CS



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

Connector No.	M11
Connector Name	WIRE TO WIRE
Connector Type	THD0FW-CS10-M3



Terminal No.	Color of Wire	Signal Name [Specification]
2	L	-
3	P	-
4	O	-
5	O	-
6	G	-
8	R	-
11	P	-
12	L	-
13	V	-
14	Y	-
15	R	-

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

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

IGNITION POWER SUPPLY

Connector No.	M18
Connector Name	WIRE TO WIRE
Connector Type	TH40MW-CS15

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
28	29	30	31	32	33	34	35	36	37	38	39	40	41	42

Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	V	-
4	W	-
5	B	- [With BOSE system]
5	BR	- [Without BOSE system]
6	GR	-
7	G	-
8	B	-
16	W	-
17	Y	-
18	W	-
19	R	-
20	SB	-
24	LG	-
25	Y	-
26	P	-
29	O	-
30	G	-
31	V	-
32	Y	-
33	P	-
34	SB	-
35	R	-

Connector No.	M20
Connector Name	WIRE TO WIRE
Connector Type	TH40MW-CS15

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
28	29	30	31	32	33	34	35	36	37	38	39	40	41	42

Terminal No.	Color of Wire	Signal Name [Specification]
1	V	-
2	G	-
3	W	-
4	B	-
5	L	-
6	Y	-
7	BR	-
8	O	-
9	SB	-
10	L	-
11	G	-
14	B	-
15	GR	-
16	L	-
17	Y	-
18	W	-
19	Y	-
20	SB	-
24	P	-
25	V	-
26	W	-
29	R	-
30	L	-
31	SB	-
32	W	-
33	P	-
34	SB	-
35	R	-
41	LG	-
42	LG	-
43	O	-
44	Y	-
45	P	-
46	P	-
50	V	-
51	O	-
52	GR	- [With automatic drive positioner]
52	R	- [Without automatic drive positioner]
53	L	- [With automatic drive positioner]
53	V	- [Without automatic drive positioner]
54	LG	- [With automatic drive positioner]
54	G	- [Without automatic drive positioner]
55	SB	- [With automatic drive positioner]
55	O	- [Without automatic drive positioner]

Connector No.	M50
Connector Name	A/C AUTO AMP.
Connector Type	SAB40FW

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40	41	42	43	44	45

Terminal No.	Color of Wire	Signal Name [Specification]
1	L	CAN-H
2	P	CAN-L
6	L	TX(AMP/SW&DISP)
7	P	RX(SW&)
10	L	LAN SIG
11	R	VACTR
15	O	SJM SENS
16	G	INTAKE SENS
17	R	ACC
19	B	GND
20	G	IGN
26	GR	RR DEF F/B
27	BR	RR DEF ON
32	L	FAN PWM
34	P	AMB POWER
35	L	AMB SENS
36	LG	INCAR SENS
37	Y	SENS GND
39	B	GND(POWER)
40	Y	BAT

Connector No.	M68
Connector Name	WIRE TO WIRE
Connector Type	TK12FG-Y

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

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

3	Y	-
4	L	-
5	Y	-
6	G	-
7	SHIELD	-
8	V	-
9	Y	-
11	Y	-

Connector No.	M69
Connector Name	AMD CONTROL UNIT
Connector Type	TH16FW-NH

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

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

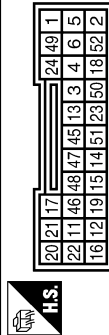
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

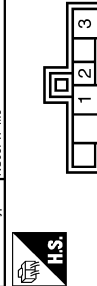
IGNITION POWER SUPPLY

Connector No.	M73
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	TK28FY-EX-SC



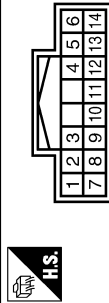
Terminal No.	Color of Wire	Signal Name [Specification]
1	R	IGN
2	B	GND
3	Y	INFLATOR DR1+
4	Y	INFLATOR DR1-&DR2-
5	Y	INFLATOR AS1+
6	Y	INFLATOR AS1-
11	SB	ECZS+
12	V	ECZS-
15	BR	A/B W/L
16	SHIELD	GND
18	V	A/B CUTOFF TELLTALE
21	L	CAN HI
24	R	SEATBELT W/L
45	Y	INFLATOR DR2+
46	P	CAN LO
47	Y	INFLATOR AS2+
48	Y	INFLATOR AS2-
49	V	ODS INPUT

Connector No.	M88
Connector Name	BLOWER MOTOR
Connector Type	NS38FW-M3



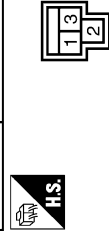
Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	L	-
3	B	-

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



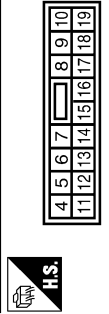
Terminal No.	Color of Wire	Signal Name [Specification]
1	G	RR
2	Y	OUTPUT 4
3	O	FR
4	W	IGN
5	V	OUTPUT 3
6	B	GND
7	GR	INPUT 3
8	L	OUTPUT 5
9	SB	INPUT 2
10	P	INPUT 4
11	O	INPUT 1
12	W	OUTPUT 1
13	R	INPUT 5
14	P	OUTPUT 2

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



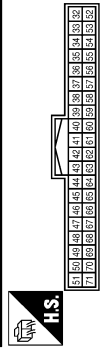
Terminal No.	Color of Wire	Signal Name [Specification]
1	W	BAT (F/L)
2	GR	POWER WINDOW POWER SUPPLY (BAT)
3	L	POWER WINDOW POWER SUPPLY (RAP)

Connector No.	M119
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	MS18FW-CS



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

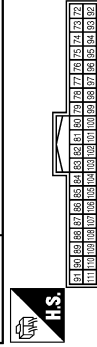
Connector No.	M121
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40F-GY-NH



Terminal No.	Color of Wire	Signal Name [Specification]
34	B	LUGGAGE ROOM ANTI-
35	W	LUGGAGE ROOM ANTI+
38	L	REAR BUMPER ANTI-
39	BR	REAR BUMPER ANTI+
47	L	IGN RELAY PDM E/R CONT
52	R	STARTER RELAY CONT
61	R	BACK DOOR OPENER REQUEST SW
64	GR	REQUEST SW BUZZER
65	O	REAR WIPER STOP POSITION

66	Y	BACK DOOR SW
67	LG	BACK DOOR OPENER SW
68	W	REAR RH DOOR SW
69	R	REAR LH DOOR SW

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



Terminal No.	Color of Wire	Signal Name [Specification]
72	B	ROOM ANTI2-
73	W	ROOM ANTI2+
74	Y	PASSENGER DOOR ANTI-
75	LG	PASSENGER DOOR ANTI+
76	V	DRIVER DOOR ANTI-
77	P	DRIVER DOOR ANTI+
80	SB	IMMOBI ANTENNA CONTROL
81	O	IMMOBI ANTENNA SIGNAL
82	BR	IGN RELAY (F/B) CONT
83	P	KEYLESS ENTRY RECEIVER SIGNAL
87	R	COMBI SW INPUT 5
88	GR	COMBI SW INPUT 3
89	BR	PUSH SW
90	P	CAN-L
91	L	CAN-H
92	R	KEY/SLOT ILL
93	P	ON IND
95	L	ACC RELAY CONT
96	Y	CVT SHIF SELECTOR POWER SUPPLY
97	O	S/L CONDITION 1
98	L	S/L CONDITION 2
99	V	SHIFT P
100	P	PASSENGER DOOR REQUEST SW
101	P	DRIVER DOOR REQUEST SW
102	Y	BLOWER FAN MOTOR RELAY CONT
103	L	KEYLESS ENTRY RECEIVER POWER SUPPLY
106	Y	S/L POWER SUPPLY
107	O	COMBI SW INPUT 1
108	P	COMBI SW INPUT 4
109	SB	COMBI SW INPUT 2
110	G	HAZARD SW
111	LG	S/L COMM

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

IGNITION POWER SUPPLY

Connector No.	M123
Connector Name	BCM BODY CONTROL MODULE
Connector Type	TH40FG-1N1



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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Terminal No.	Color of Wire	Signal Name [Specification]
112	R	RAIN SENSOR SERIAL LINK
113	O	OPTICAL SENSOR
116	GR	FUSE CHECK
118	L	STOP LAMP SW
119	W	DR DOOR UNLOCK SENSOR
121	Y	KEY SLOT SW
123	G	IGN P/B
124	R	PASSENGER DOOR SW
130	BR	REAR DEFOGGER SW
132	G	POWER WINDOW SW COMM
133	W	PUSH-BUTTON IGNITION SW ILL POWER
134	R	LOCK IND
137	P	RECEIVER/SENSOR GND
138	V	RECEIVER/SENSOR POWER SUPPLY
139	O	TIRE PRESS RECEIVER SIGNAL
140	GR	SHIFT N/P
141	O	SECURITY INDICATOR OUTPUT
142	L	COMBI SW OUTPUT 5
143	W	COMBI SW OUTPUT 1
144	P	COMBI SW OUTPUT 2
145	V	COMBI SW OUTPUT 3
146	Y	COMBI SW OUTPUT 4
149	W	TIRE PRESS WARNING CHECK SW
150	SB	DRIVER DOOR SW
151	G	REAR WINDOW DEFOGGER RELAY

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



5	6
4	2
1	1
3	3

Terminal No.	Color of Wire	Signal Name [Specification]
1	G	—
2	V	— [With front heated seat and passenger side power seat]
3	GR	— [With front heated seat, without passenger side power seat]
4	R	—
5	R	—
6	SB	—

Connector No.	M203
Connector Name	FRONT HEATED SEAT SWITCH (PASSENGER SIDE)
Connector Type	NS06FBR-CS



5	6
4	2
1	1
3	3

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

POWER SUPPLY ROUTING CIRCUIT

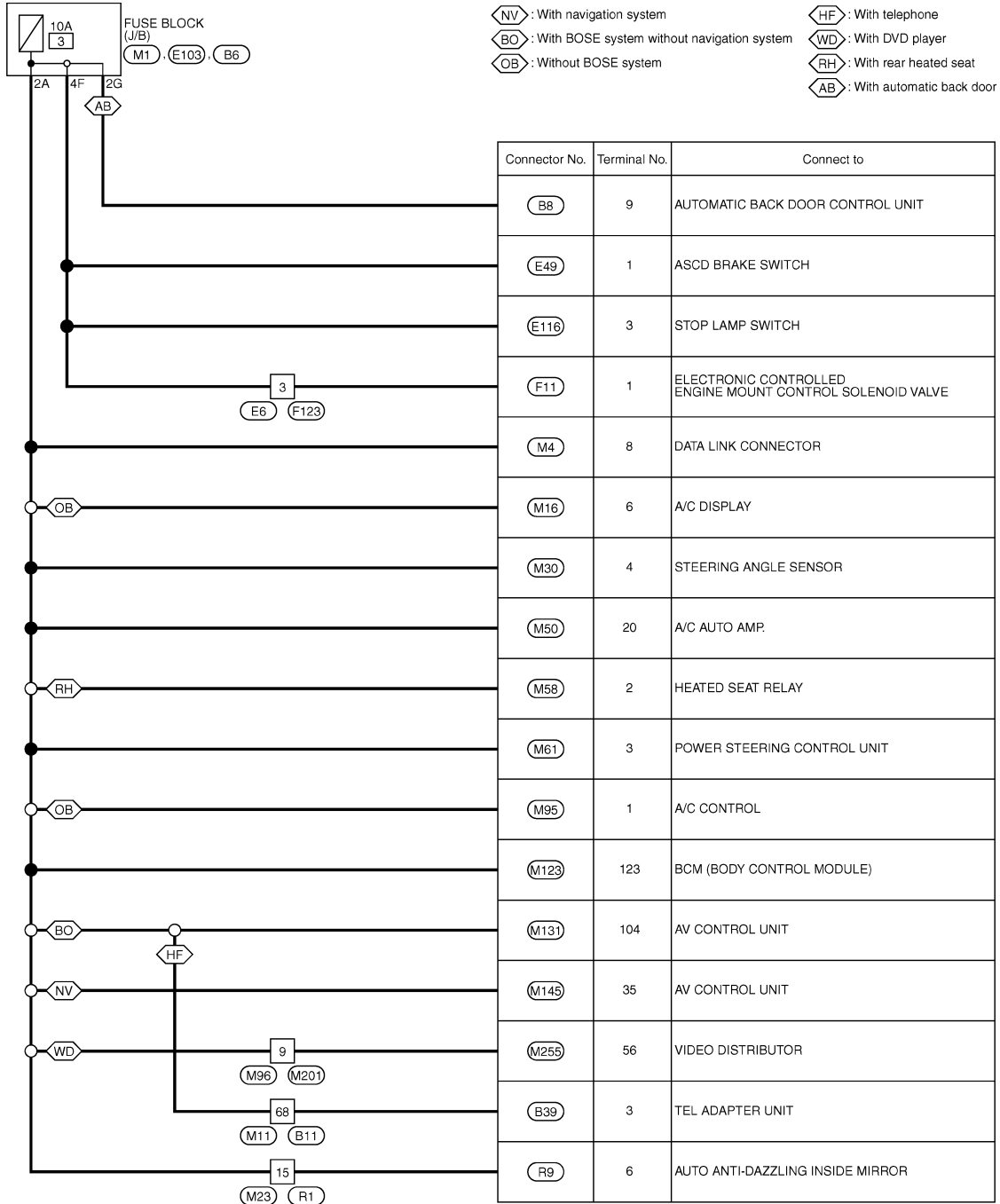
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 3 -

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IGNITION POWER SUPPLY FUSE No. 3



2009/08/07

JCMWM4968GB

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

IGNITION POWER SUPPLY FUSE No. 3

Connector No.	B6
Connector Name	FUSE BLOCK (J/B)
Connector Type	HS12FB-CS



Terminal No.	Color of Wire	Signal Name [Specification]
2G	GR	-
4G	L	-
5G	P	-
10G	Y	-
11G	Y	-

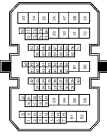
Connector No.	B8
Connector Name	AUTOMATIC BACK DOOR CONTROL UNIT
Connector Type	TH20FW-TB6



Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	BUIZZER
2	Y	ABD SW
4	Y	ABD CLOSE SW
6	L	CAN HI
7	P	CAN LOW
8	LG	HALF LATCH SW
9	GR	IGN
10	SB	BAT
11	V	CLOSURE MTR (CLOSE)
12	R	CLOSURE MTR (OPEN)
14	V	TOUCH SENS LH
15	O	TOUCH SENS GND
16	W	TOUCH SENS RH
17	LG	MAIN SW
19	P	CLOSE SW
20	L	OPEN SW
21	B	GND

22	B	GND
23	GR	GND
24	BR	ENCODER B
25	Y	ENCODER V
26	G	ENCODER PWR

Connector No.	BT1
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS19



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

35	SHIELD	-
36	L/O	-
37	LG	-
40	O	-
41	O	-
42	SB	-
43	G	-
44	BR	-
45	L	-
46	GR	-
47	V	-
48	GR	-[With rear view camera and telephone]
48	BR	-[With rear view camera without telephone]
49	Y	-
50	SHIELD	-
51	B	-
52	B	-
53	Y	-
54	LG	-
55	BR	-
56	P	-
57	L	-
58	R	-
59	SHIELD	-
60	B	-
61	R/L	-
62	R/W	-
63	LG	-
64	Y	-
66	GR	-
67	G	-
68	R	-
69	SHIELD	-
70	W/R	-
71	B/R	-
72	Y	-
72	LG	-
74	SB	-
75	L	-
76	G	-
77	R	-
78	SHIELD	-
79	B	-
80	W	-
81	R	-
82	L	-
83	BR	-
84	O	-
85	G	-
86	SB	-
87	R	-
88	G	-

89	GR	-
90	Y	-
91	G	-
92	BR	-
93	G	-
94	V	-
95	BR	-
96	GR	-
97	R	-
98	LG	-
99	O	-

Connector No.	B39
Connector Name	TEL ADAPTER UNIT
Connector Type	TH42FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	BATTERY
2	GR	ACC
3	R	IGNITION
4	B/W	GND
5	SHIELD	SHIELD
6	SHIELD	SHIELD
7	R/W	MICROPHONE SIGNAL
8	R/L	MICROPHONE GND
9	B/R	TEL VOICE SIGNAL (+)
10	W/R	TEL VOICE SIGNAL (-)
14	B	GND
20	B	CONTROL SIGNAL
24	B/W	CONTROL SIGNAL
28	BR	VEHICLE SPEED (8-PULSE)
29	B	MICROPHONE VCC

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

IGNITION POWER SUPPLY FUSE No. 3

Connector No.	E6
Connector Name	WIRE TO WIRE
Connector Type	TK16MGY-IV



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

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

Connector No.	E49
Connector Name	ASCD BRAKE SWITCH
Connector Type	M02FBR-LC



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

Connector No.	E103
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS16FFI-CS



7F	8F	9F	10F	11F	12F	13F	14F	15F	16F
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Terminal No.	Color of Wire	Signal Name [Specification]
1F	L	-
2F	LG	-
4F	BR	-
6F	Y	-
8F	R	-
9F	GR	-
11F	G	-
12F	V	-

Connector No.	E118
Connector Name	STOP LAMP SWITCH
Connector Type	M04FW-LC



3	4
1	2

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

Connector No.	F11
Connector Name	ELECTRICALLY CONTROLLED ENGINE MOUNT CONTROL SOLENOID VALVE
Connector Type	E20FBR-RS



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

Connector No.	F123
Connector Name	WIRE TO WIRE
Connector Type	TK16FGY-IV



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

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

Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS30FFW-M2



3A	2A	1A
8A	7A	6A
5A	4A	3A

Terminal No.	Color of Wire	Signal Name [Specification]
1A	Y	-
2A	G	-
3A	Y	-
4A	GR	-
5A	R	-
6A	W	-
7A	LG	-
8A	Y	-

Connector No.	M4
Connector Name	DATA LINK CONNECTOR
Connector Type	BD16FW



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

Terminal No.	Color of Wire	Signal Name [Specification]
4	B	-
5	B	-
6	L	-
7	O	-
8	G	-
14	P	-
16	Y	-

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

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

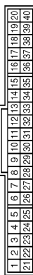
IGNITION POWER SUPPLY FUSE No. 3

Connector No.	M11
Connector Name	WIRE TO WIRE
Connector Type	TH7DFW-CS10-M3



Terminal No.	Color of Wire	Signal Name [Specification]
2	L	
3	P	
4	O	
5	O	
6	G	
8	R	
11	P	
12	L	
13	V	
14	Y	
15	R	
20	Y	
21	BR	
22	G	
23	P	
24	Y	
25	L	
26	L	
27	O	
28	BR	
29	L	
30	R	
43	P	
46	L	
49	W	
50	GR	
51	LG	
52	Y	
53	V	
54	SB	
55	P	
56	SB	
60	V	
61	GR	
62	O	
63	V	
64	SHIELD	
66	W	

Terminal No.	Color of Wire	Signal Name [Specification]
1	W	
2	SHIELD	— [With telephone and navigation system]
3	R	— [With telephone without navigation system]
4	SHIELD	
6	R	
7	Y	
8	Y	
9	B	
10	Y	
11	P	
12	L	
13	SB	
15	G	
16	R	

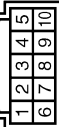


Terminal No.	Color of Wire	Signal Name [Specification]
1	L	CAN-H
2	P	CAN-L
6	L	TX(AMP>SW&DISP)
7	P	RX(SW&)
10	L	LAN SIG
11	R	VACTR
15	O	SUN SENS
16	G	INTAKE SENS
17	R	ACC
19	B	GND
20	G	IGN
26	GR	RR DEF F/B
27	BR	RR DEF ON
32	L	FAN PWM
34	P	AMB POWER
35	L	AMB SENS
36	LG	INCAR SENS
37	Y	SENS GND
39	B	GND(POWER)
40	Y	BAT

67	R	
68	W	
69	P	
70	G	
71	GR	
72	BR	
73	L	
74	W	
75	BR	
76	R	
77	G	
78	Y	
79	G	
80	R	
81	W	
82	W	
83	O	

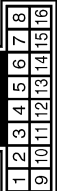


Connector No.	M16
Connector Name	A/C DISPLAY
Connector Type	TH10FB-NH

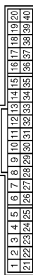


Terminal No.	Color of Wire	Signal Name [Specification]
1	B	GND
6	G	IGN
8	R	ILL+
9	BR	ILL-
10	L	RX(AMP>DISP)

Connector No.	M23
Connector Name	WIRE TO WIRE
Connector Type	TH16MW-NH

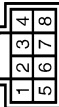


Terminal No.	Color of Wire	Signal Name [Specification]
1	W	
2	SHIELD	— [With telephone and navigation system]
3	R	— [With telephone without navigation system]
4	SHIELD	
6	R	
7	Y	
8	Y	
9	B	
10	Y	
11	P	
12	L	
13	SB	
15	G	
16	R	



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	CAN-H
2	P	CAN-L
6	L	TX(AMP>SW&DISP)
7	P	RX(SW&)
10	L	LAN SIG
11	R	VACTR
15	O	SUN SENS
16	G	INTAKE SENS
17	R	ACC
19	B	GND
20	G	IGN
26	GR	RR DEF F/B
27	BR	RR DEF ON
32	L	FAN PWM
34	P	AMB POWER
35	L	AMB SENS
36	LG	INCAR SENS
37	Y	SENS GND
39	B	GND(POWER)
40	Y	BAT

Connector No.	M30
Connector Name	STEERING ANGLE SENSOR
Connector Type	TH8BFW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	
2	P	
3	L	
4	G	
5	L	
6	SB	
8	O	

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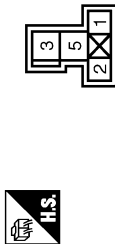
POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY&GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

IGNITION POWER SUPPLY FUSE No. 3

Connector No.	M58
Connector Name	HEATED SEAT RELAY
Connector Type	MS2FL-MZ-LC

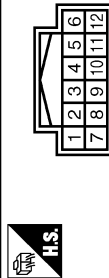


Connector No.	M85
Connector Name	A/C CONTROL
Connector Type	TH12FW-NH



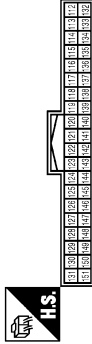
Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
2	G	-
3	W	-
5	L	-

Connector No.	M61
Connector Name	POWER STEERING CONTROL UNIT
Connector Type	TH12FW-NH



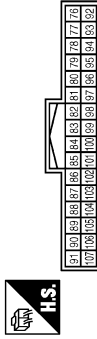
Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	EPS SOL+
3	G	IGN
5	LG	EPS SOL-
6	B	GND
8	P	VEHICLE SPEED(2P)
10	V	ENG TAGHD

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



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

Connector No.	M131
Connector Name	MP (CONVERTER UNIT WIRE BOND SYSTEM WITHOUT INJECTION SYSTEM)
Connector Type	TH42FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
79	L	TEL VOICE SIGNAL (-)
80	R	TEL VOICE SIGNAL (+)
81	SHIELD	SHIELD
82	W	SOUND SIGNAL RH (-)(With DVD player)
82	W	SOUND SIGNAL RH (-)(With DVD player)
83	R	SOUND SIGNAL RH (+)(With DVD player)
83	R	SOUND SIGNAL RH (+)(With DVD player)
85	B	GND
86	L	CAN-H
87	P	AV COMM (H)
88	R	AV COMM (L)
89	L	AV COMM (H)
90	G	AV COMM (L)
91	L	AUX SOUND SIGNAL LH (+)
95	R	AUX SOUND SIGNAL LH (+)
96	B	AUX SOUND SIGNAL LH (+)
97	W	AUX SOUND SIGNAL GND
98	G	SOUND SIGNAL LH (-)(With DVD player)
98	L	Pod SOUND SIGNAL LH (-)(Without DVD player)
99	B	SOUND SIGNAL LH (+)(With DVD player)
99	BR	Pod SOUND SIGNAL LH (+)(Without DVD player)
100	SHIELD	SHIELD(With DVD player)
100	SHIELD	SHIELD(With DVD player)
101	V	SW GND
103	W	EJECT SIGNAL
104	G	IGNITION
105	SB	REVERSE
106	G	PARKING BRAKE
107	V	VEHICLE SPEED (8-PULSE)

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

IGNITION POWER SUPPLY FUSE No. 3

Connector No.	M145
Connector Name	AV CONTROL UNIT (WITH NAVIGATION SYSTEM)
Connector Type	TH10FW-NH



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
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Terminal No.	Color of Wire	Signal Name [Specification]
21	B	GND
22	Y	BATTERY
23	B	GND
24	Y	BATTERY
25	R	ACC
26	B	MICROPHONE VCC
27	SHIELD	MICROPHONE GND
28	W	MICROPHONE SIGNAL
35	G	IGNITION
36	G	PARKING BRAKE
37	SB	REVERSE
38	V	VEHICLE SPEED (8-PULSE)
40	P	CONNECTION RECOGNITION
42	B	CONTROL SIGNAL
43	B	CONTROL SIGNAL
46	G	AV COMM (H)
49	L	AV COMM (L)
50	R	AV COMM (H)
51	L	AV COMM (L)
52	L	CAN-H
53	P	CAN-L

Connector No.	M201
Connector Name	WIRE TO WIRE
Connector Type	TH10MW-NH



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

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

3	R	-
4	G	-
5	L	-
6	R	-
7	SHIELD	-
8	V	-
9	G	-
10	R	-
11	B	-
12	G	-
13	R	-
14	W	-
15	SHIELD	-
16	B	-



54	56	60
53	55	

Connector No.	M255
Connector Name	VIDEO DISTRIBUTOR
Connector Type	TH10FW-NH



54	56	60
53	55	

Terminal No.	Color of Wire	Signal Name [Specification]
53	B	GND
54	Y	BATTERY
55	V	ACC
56	G	IGNITION
60	R	HEADPHONE ON SIGNAL

Connector No.	RI
Connector Name	WIRE TO WIRE
Connector Type	TH10FW-NH



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

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

2	SHIELD	- [With telephone and navigation system]
2	R/L	- [With telephone without navigation system]
3	B	-
4	SHIELD	-
6	R/L	-
7	Y/R	-
8	B/Y	-
9	B	-
10	Y	-
11	P/W	-
12	B	-
13	R/Y	-
15	B/R	-
16	R	-



5	4	3	2	1
10	9	8	7	6

Connector No.	R9
Connector Name	AUTO ANTI-DAZLING INSIDE MIRROR
Connector Type	TH10FB-NH



5	4	3	2	1
10	9	8	7	6

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

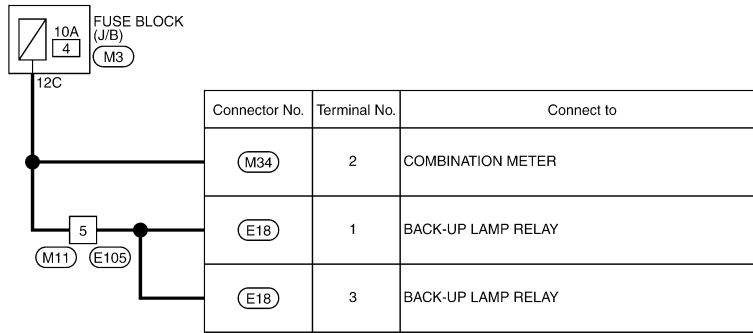
POWER SUPPLY ROUTING CIRCUIT

< 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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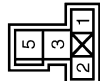
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

IGNITION POWER SUPPLY FUSE No. 4

Connector No.	E18
Connector Name	BACK-UP LAMP RELAY
Connector Type	MS02FL-MZ-LC



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

Connector No.	E105
Connector Name	WIRE TO WIRE
Connector Type	TH70MW-CS10-M3



Terminal No.	Color of Wire	Signal Name [Specification]
2	BR	-
3	Y	-
4	W	-
5	LG	-
6	GR	-
8	G	-
11	P	-
12	L	-
13	Y	-
14	O	-
15	BR	-
20	Y	-
21	BR	-
22	P	-
23	P	-
24	L	-
25	O	-
26	G	-

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

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



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

Connector No.	M11
Connector Name	WIRE TO WIRE
Connector Type	TH70FW-CS10-M3



Terminal No.	Color of Wire	Signal Name [Specification]
2	L	-
3	P	-
4	O	-
5	O	-
6	G	-
8	R	-
11	P	-
12	L	-
13	V	-
14	Y	-
15	R	-
20	Y	-
21	BR	-
22	G	-
23	P	-
24	Y	-
25	L	-
26	L	-
27	O	-
28	BR	-
29	L	-
30	R	-
47	P	-
48	L	-
49	W	-
50	GR	-
51	LG	-

52	Y	-
53	V	-
54	SB	-
55	P	-
56	SB	-
60	V	-
61	GR	-
62	O	-
63	V	-
64	SHIELD	-
66	W	-
67	R	-
68	W	-
69	P	-
70	G	-
71	G	-
72	BR	-
73	L	-
74	W	-
75	BR	-
76	R	-
77	G	-
78	Y	-
79	G	-
80	R	-
81	W	-
82	W	-
83	O	-

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

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IGNITION POWER SUPPLY FUSE No. 4

Connector No.	M34
Connector Name	COMBINATION METER
Connector Type	TH4CFV-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	BAT
2	O	IGN
3	B	GROUND
4	B	GROUND
5	SB	ILLUMINATION CONTROL
8	SB	TRIP RESET SWITCH
9	W	SW ILL POWER
10	O	METER CONTROL SW GND
11	L	ENTER SWITCH
12	R	SELECT SWITCH
13	Y	ILLUMINATION CONTROL SWITCH (OFF/ON automatic drive position)
13	Y	ILLUMINATION CONTROL SWITCH (OFF/ON automatic drive position)
14	GR	ILLUMINATION CONTROL SWITCH (-)
15	BR	AIR BAG
18	L	AMBIENT SENSOR
19	P	AMBIENT SENSOR POWER
20	Y	AMBIENT SENSOR GROUND
21	L	CAN-H
22	P	CAN-L
23	B	GROUND
24	W	FUEL LEVEL SENSOR GROUND
25	ER	CHG
26	G	PARKING BRAKE SWITCH
27	V	BRAKE FLUID LEVEL SWITCH
29	R	WASHER LEVEL SWITCH
30	P	VEHICLE SPEED (2-PULSE)
31	V	VEHICLE SPEED (8-PULSE)
32	LG	OD OFF/SPORTS
34	G	FUEL LEVEL SENSOR
35	SB	SEAT BELT BUCKLE SWITCH (DRIVER SIDE)
36	R	SEAT BELT BUCKLE SWITCH (PASSENGER SIDE)

JCMWM4975GB

POWER SUPPLY ROUTING CIRCUIT

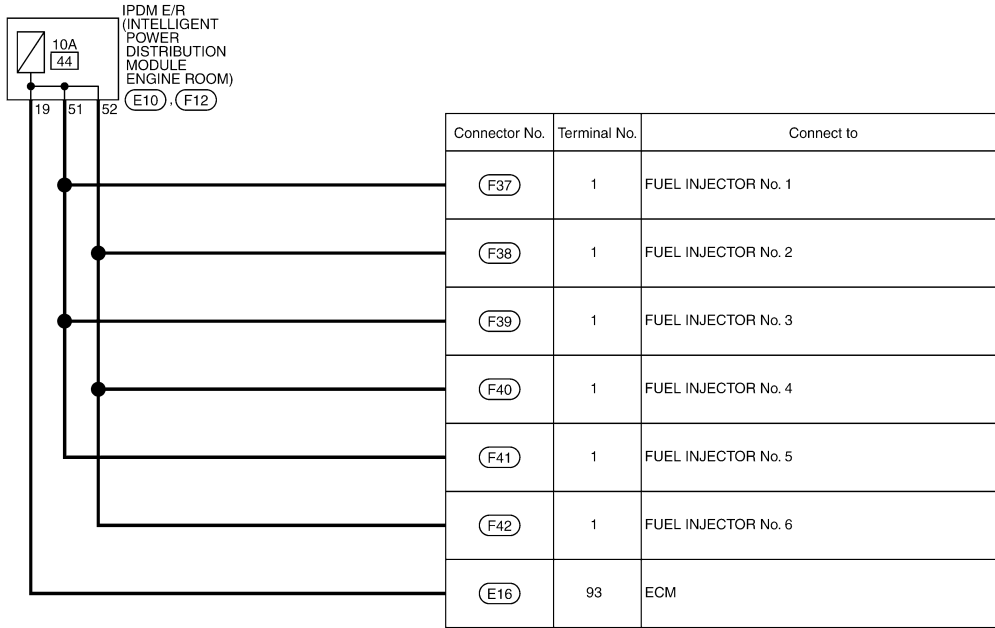
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 44 -

INFOID:000000005516900

IGNITION POWER SUPPLY FUSE No. 44



2008/09/23

JCMWM3261GB

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

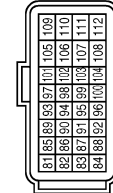
[POWER SUPPLY&GROUND CIRCUIT]

IGNITION POWER SUPPLY FUSE No. 44

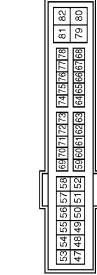
Connector No.	E10
Connector Name	ENGINE INTELLIGENT POWER DISTRIBUTION MODULE FUSE BLOCK
Connector Type	TH20FW-CS12-M4-1V



Connector No.	E16
Connector Name	ECM
Connector Type	RH24FB-R28-L-LH



Connector No.	F12
Connector Name	ENGINE INTELLIGENT POWER DISTRIBUTION MODULE FUSE BLOCK
Connector Type	TH20FW-CS12-M4



Connector No.	F38
Connector Name	FUEL INJECTOR No. 2
Connector Type	HS2ZFGY



Terminal No.	Color of Wire	Signal Name [Specification]
4	LG	-
5	Y	-
7	GR	-
10	BR	-
11	P	-
12	B	-
13	SB	-
15	W	-
16	L/Y	-
19	Y	-
20	L	-
21	O	-
22	SB	-
23	GR	-
24	G	-
25	GR	-
26	Y	-
27	W	-
28	SB	-
30	BR	-
32	V	-
33	G	-
34	O	-
35	P	-
36	G	-
38	GR	-

Terminal No.	Color of Wire	Signal Name [Specification]
81	W	AFS1
82	O	AFS2
83	BR	AVCG1-AP51
84	B	GND-AP51
85	Y	ASC0 SW
86	SB	FTPRES
87	GR	AVCG2-AP52
88	O	KLINE
91	L	AVCG2-FTPRES
92	BR	GND-ASCDSW
93	BR	IGN SW
94	GR	TACHO(CABIN)
95	Y	TF
96	GR	GND-FTPRES
97	P	VEHCAN-L
98	L	VEHCAN-H
100	G	GND-AP52
102	R	NEUT-H
104	SB	GND-TF
105	V	VBR
106	SB	BRAKE
107	B	GND
108	B	GND
109	W	CDCV
110	G	ENG5W
111	B	GND
112	B	GND

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

Connector No.	F37
Connector Name	FUEL INJECTOR No. 1
Connector Type	HS2ZFGY



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

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



Connector No.	F39
Connector Name	FUEL INJECTOR No. 3
Connector Type	HS2ZFGY



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

Connector No.	F40
Connector Name	FUEL INJECTOR No. 4
Connector Type	HS2ZFGY



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

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JCMWM4976GB

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

IGNITION POWER SUPPLY FUSE No. 44

Connector No.	F41
Connector Name	FUEL INJECTOR No. 5
Connector Type	HS2EFGY



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

Connector No.	F42
Connector Name	FUEL INJECTOR No. 6
Connector Type	HS2EFGY



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

JCMWM4977GB

POWER SUPPLY ROUTING CIRCUIT

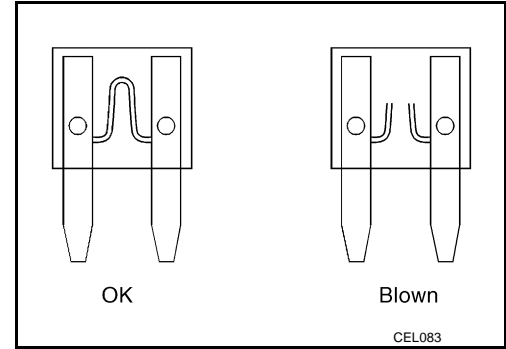
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

Fuse

INFOID:000000005516901

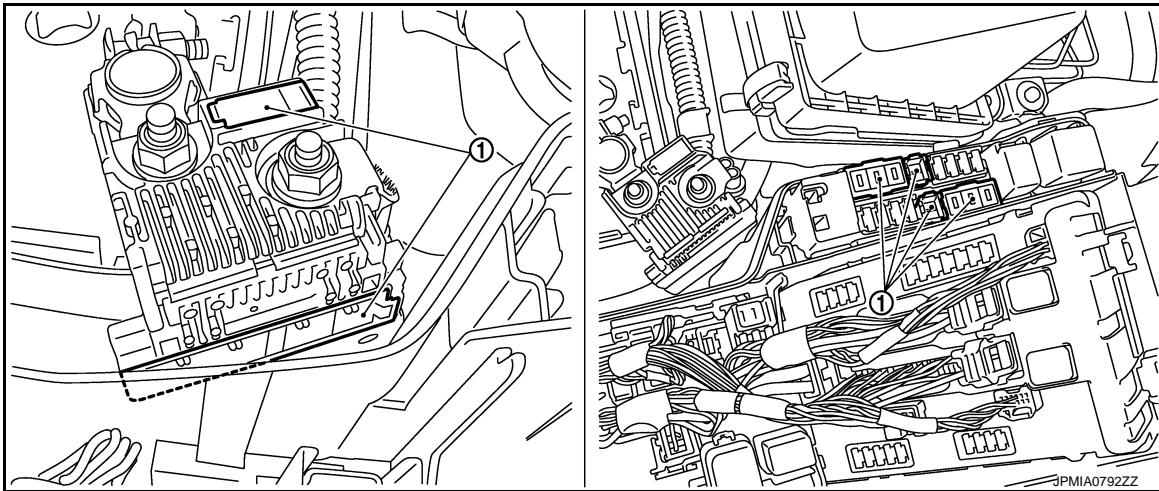
- If fuse is blown, be sure to eliminate cause of malfunction before installing new fuse.
- Use fuse of specified rating. Never use fuse of more than specified rating.
- Do not partially install fuse; always insert it into fuse holder properly.
- Remove fuse for "ELECTRICAL PARTS (BAT)" if vehicle is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



Fusible Link

INFOID:000000005516902

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

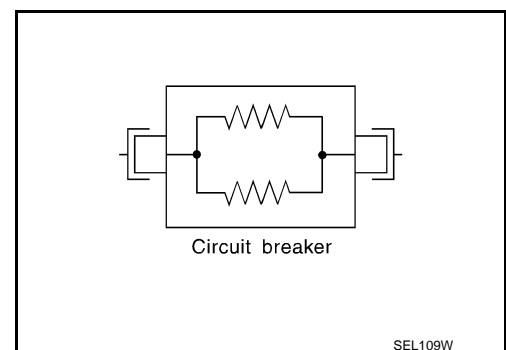
CAUTION:

- 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:000000005516903

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

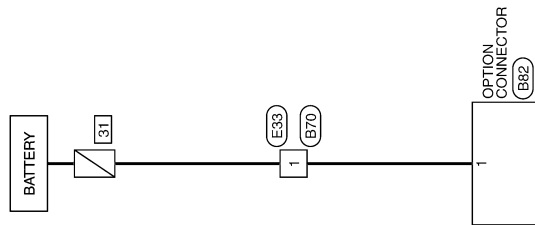
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

OPTION HARNESS

Wiring Diagram - OPTION HARNESS -

INFOID:000000005516904



OPTION HARNESS

2008/09/23

JCMWM3190GB

OPTION HARNESS

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

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OPTION HARNESS

Connector No.	B7D
Connector Name	WIRE TO WIRE
Connector Type	MD1MW-GY-PS



Terminal No.	1	Color of Wire	W	Signal Name [Specification]	-
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Connector No.	B82
Connector Name	OPTION CONNECTOR
Connector Type	MD1FW-LC



Terminal No.	1	Color of Wire	W	Signal Name [Specification]	-
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Connector No.	E33
Connector Name	WIRE TO WIRE
Connector Type	MD1FW-GY-LC



Terminal No.	1	Color of Wire	P	Signal Name [Specification]	-
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HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

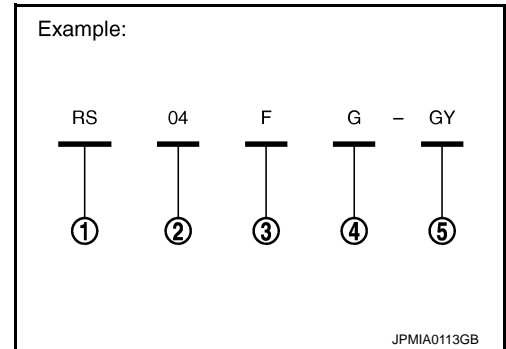
[POWER SUPPLY&GROUND CIRCUIT]

HARNESS LAYOUT

How To Read Harness Layout

INFOID:000000005516905

- 1 : Connector model
- 2 : Cavity
- 3 : Male (M) and female (F) terminals
- 4 : Connector color
- 5 : Special type



CONNECTOR SYMBOL

Main symbols of connector (in Harness Layout) are indicated in the below.

Connector type	Water proof type		Standard type	
	Male	Female	Male	Female
Connector symbol				
Ground terminal etc.	—			

JPMIA0114GB

HARNESS LAYOUT

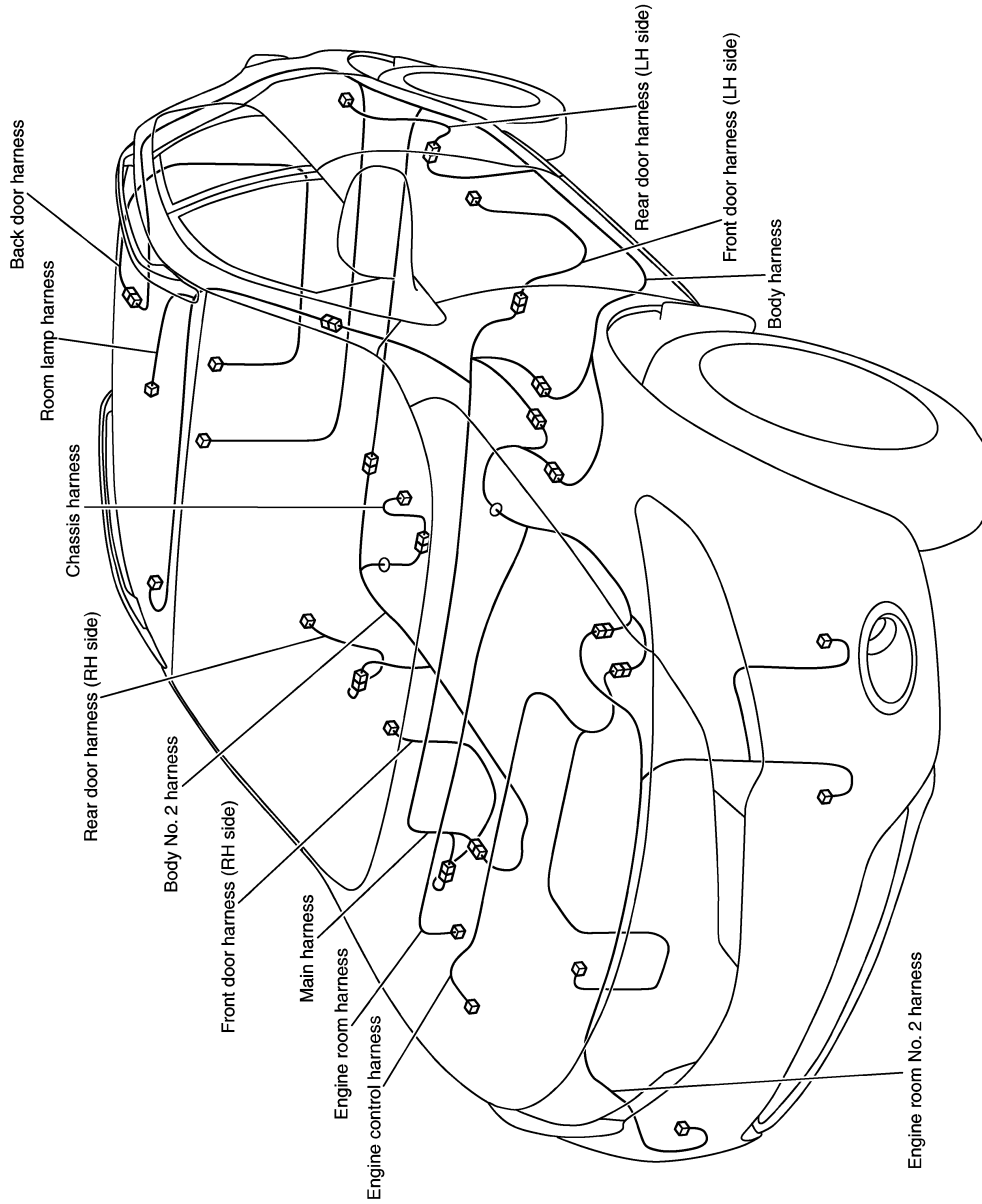
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

Outline

INFOID:00000000516906

OUTLINE



2008/09/23

JCMIM0580GB

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HARNESS LAYOUT

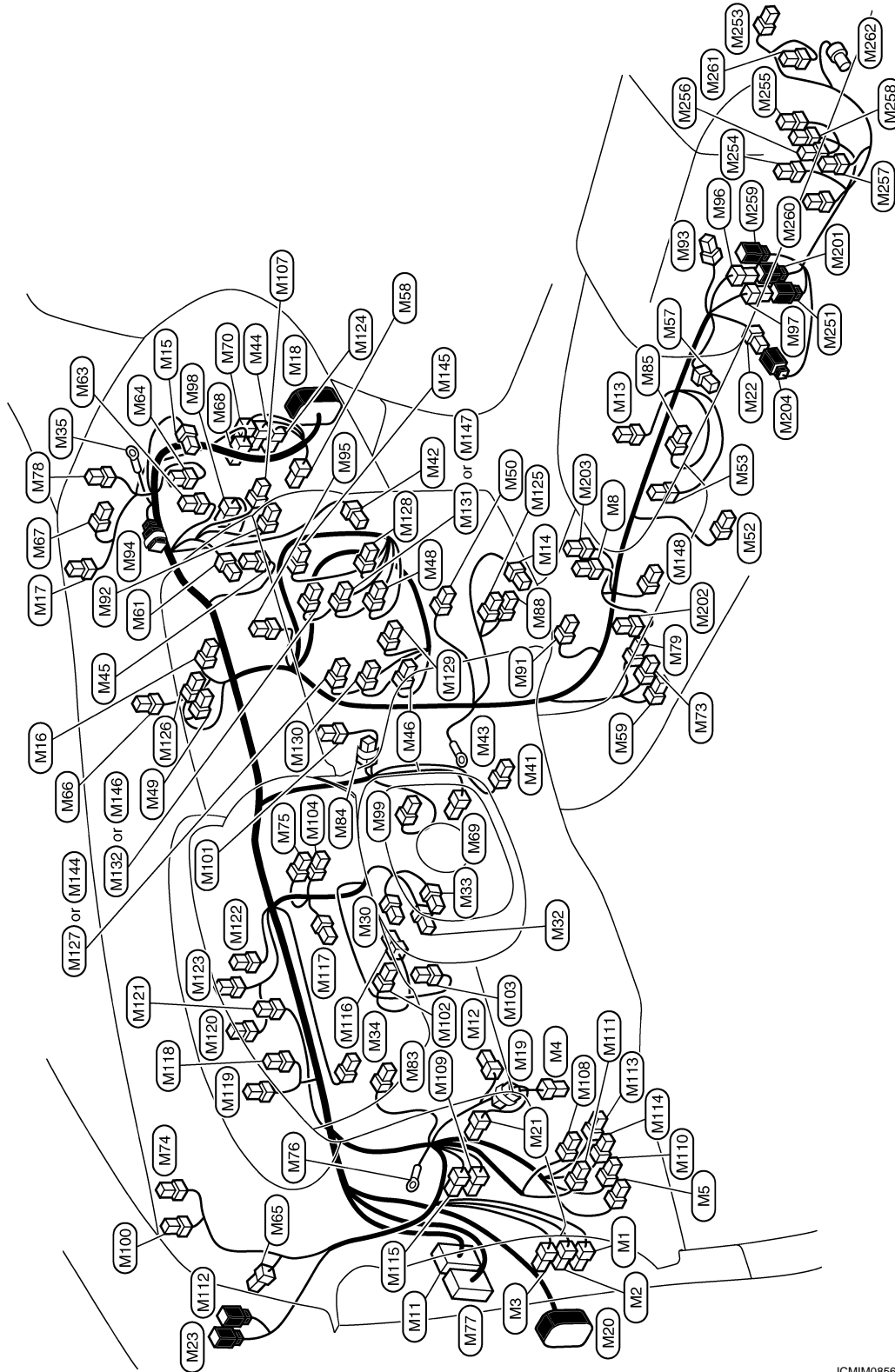
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

Main Harness

INFOID:00000000516907

MAIN HARNESS



2009/08/07

JCMIM0856GB

HARNESS LAYOUT

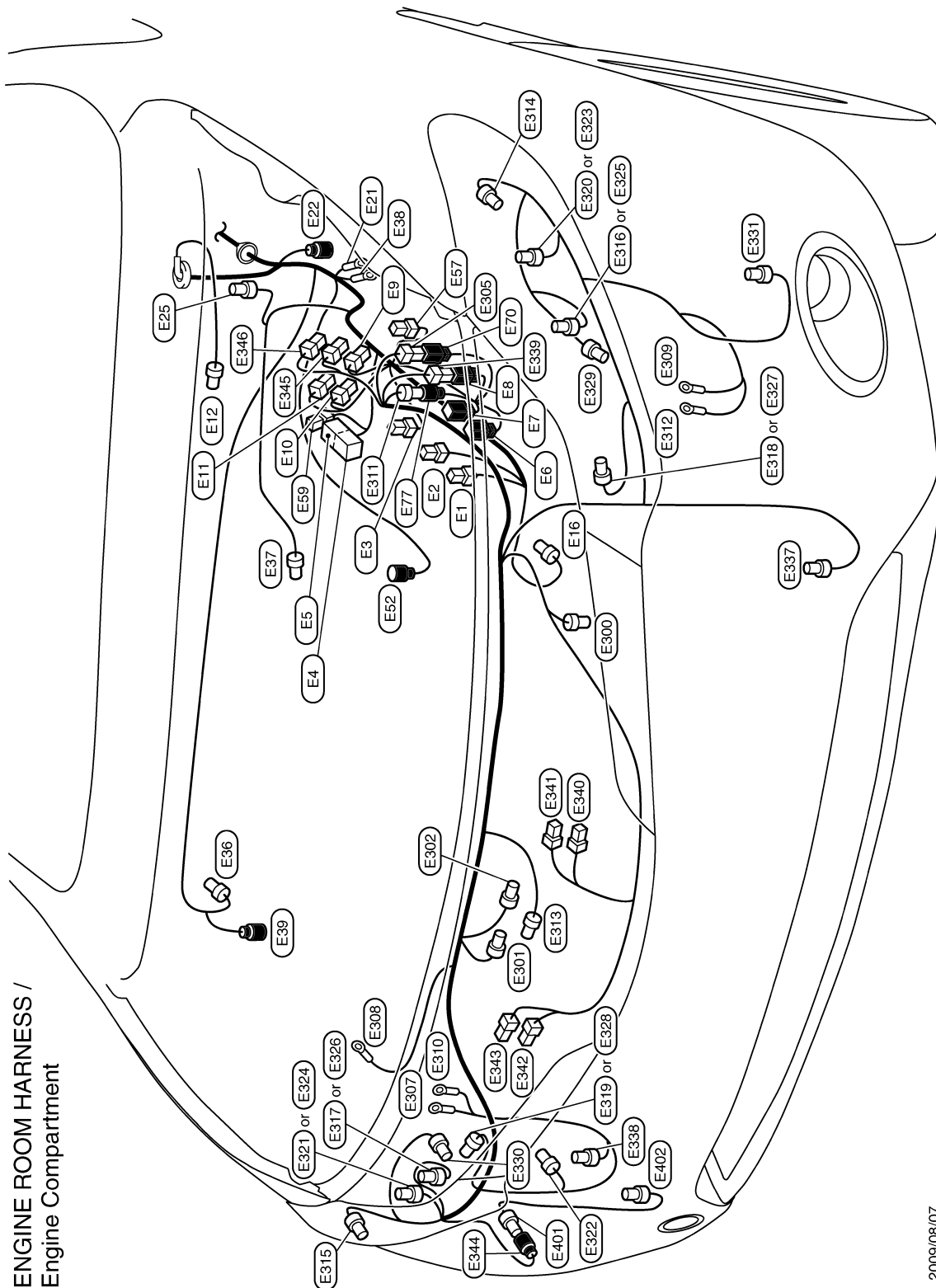
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

Engine Room Harness

INFOID:000000005516908

ENGINE COMPARTMENT



ENGINE ROOM HARNESS /
Engine Compartment

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2009/08/07

JCMIM0857GB

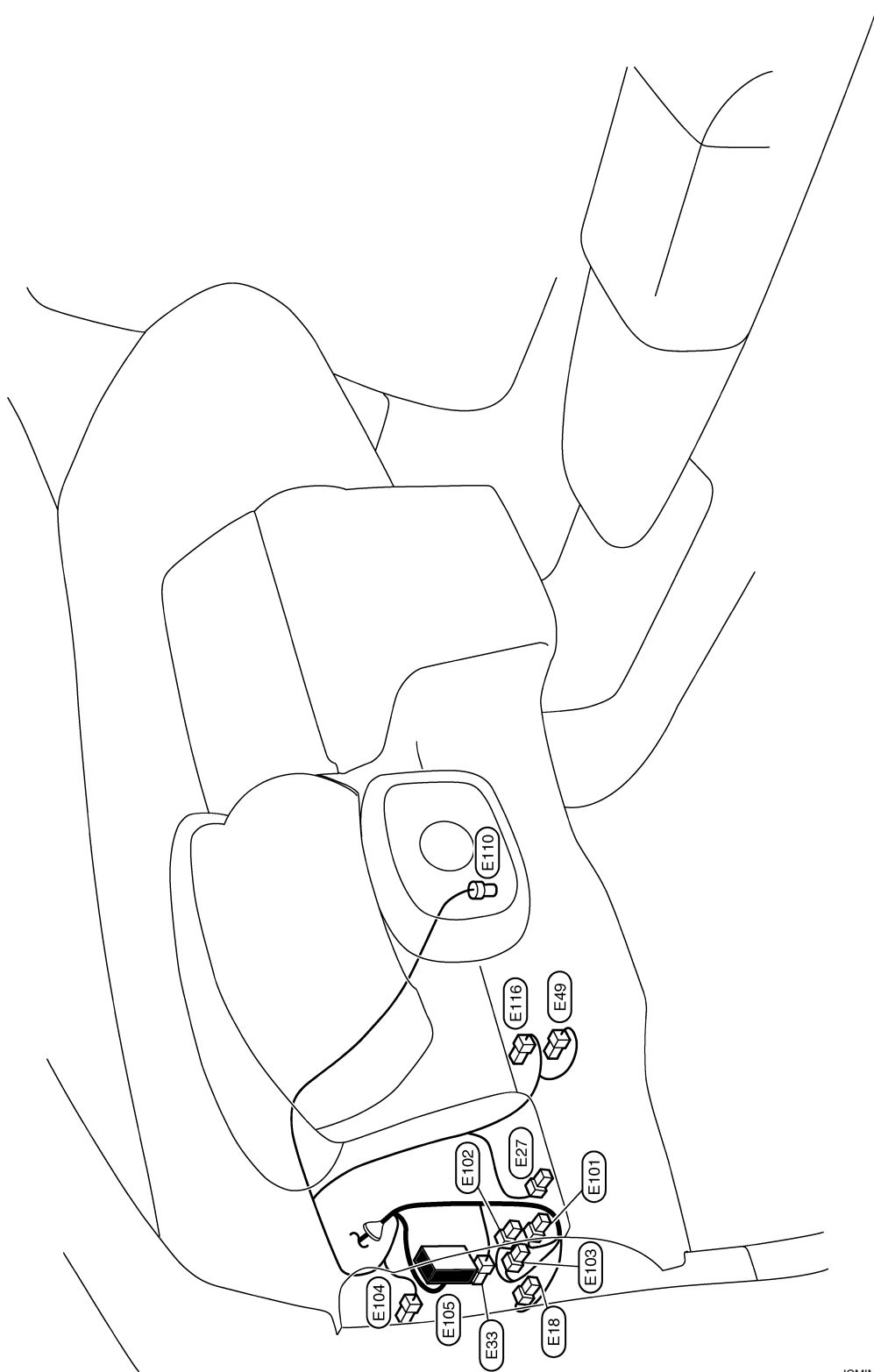
HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

PASSENGER COMPARTMENT

Passenger Compartment



2009/08/07

JCMIM0858GB

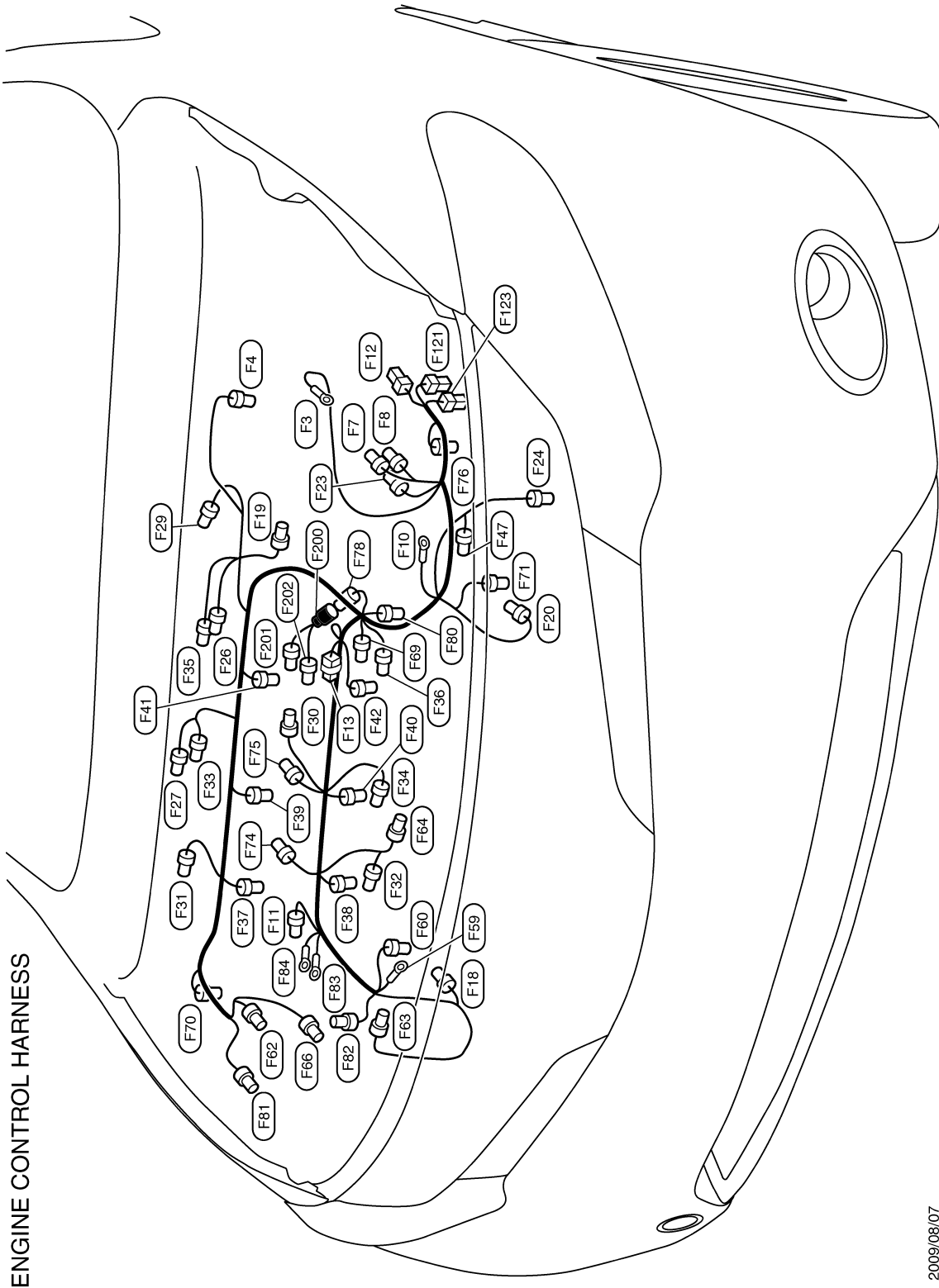
HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

Engine Control Harness

INFOID:00000000516909



ENGINE CONTROL HARNESS

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2009/08/07

JCMIM0859GB

HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

Body Harness

INFOID:00000000516910

BODY HARNESS



2009/08/07

JCMIM0860GB

HARNESS LAYOUT

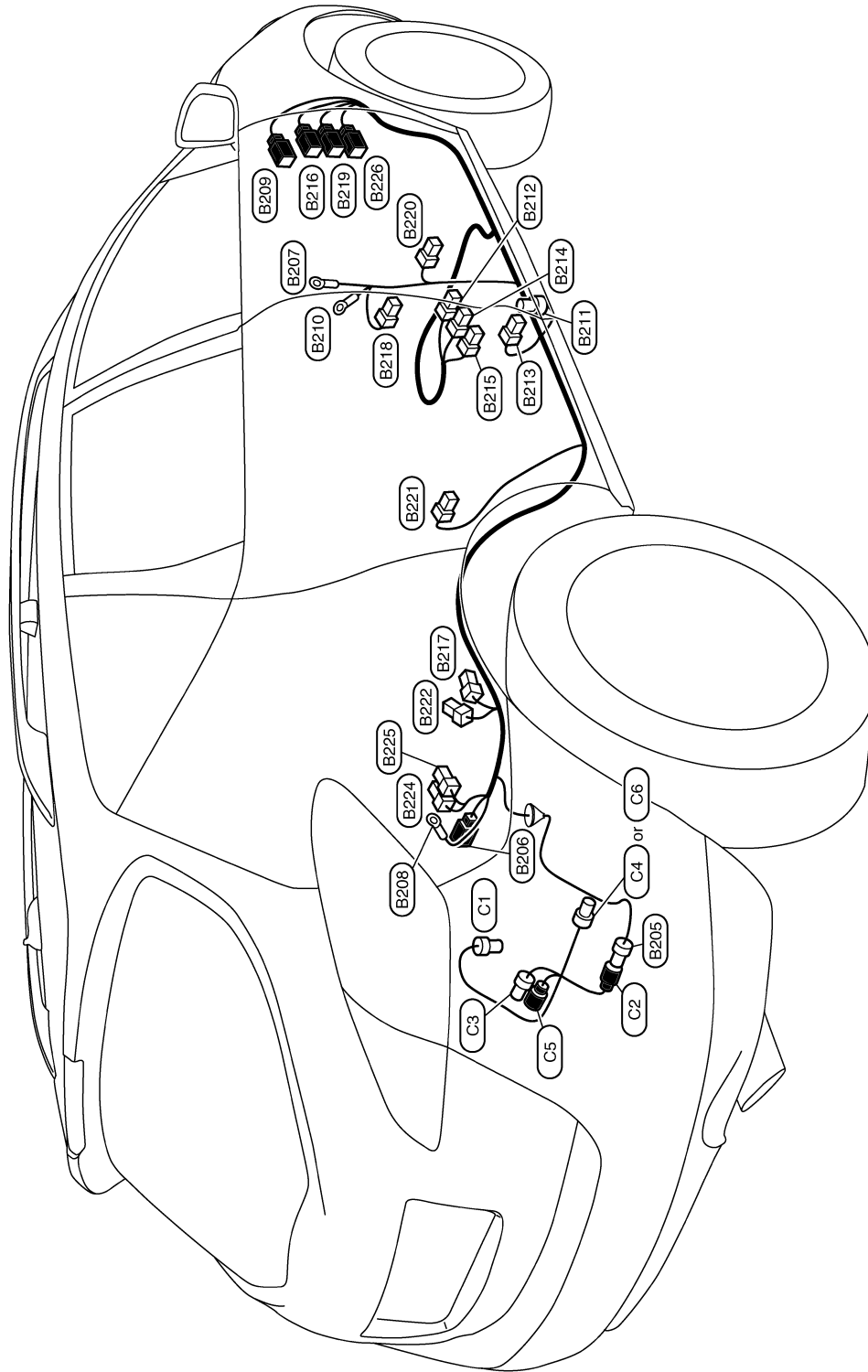
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

Body No. 2 Harness

INFOID:000000005516911

BODY No. 2 HARNESS



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2009/08/07

JCMIM0861GB

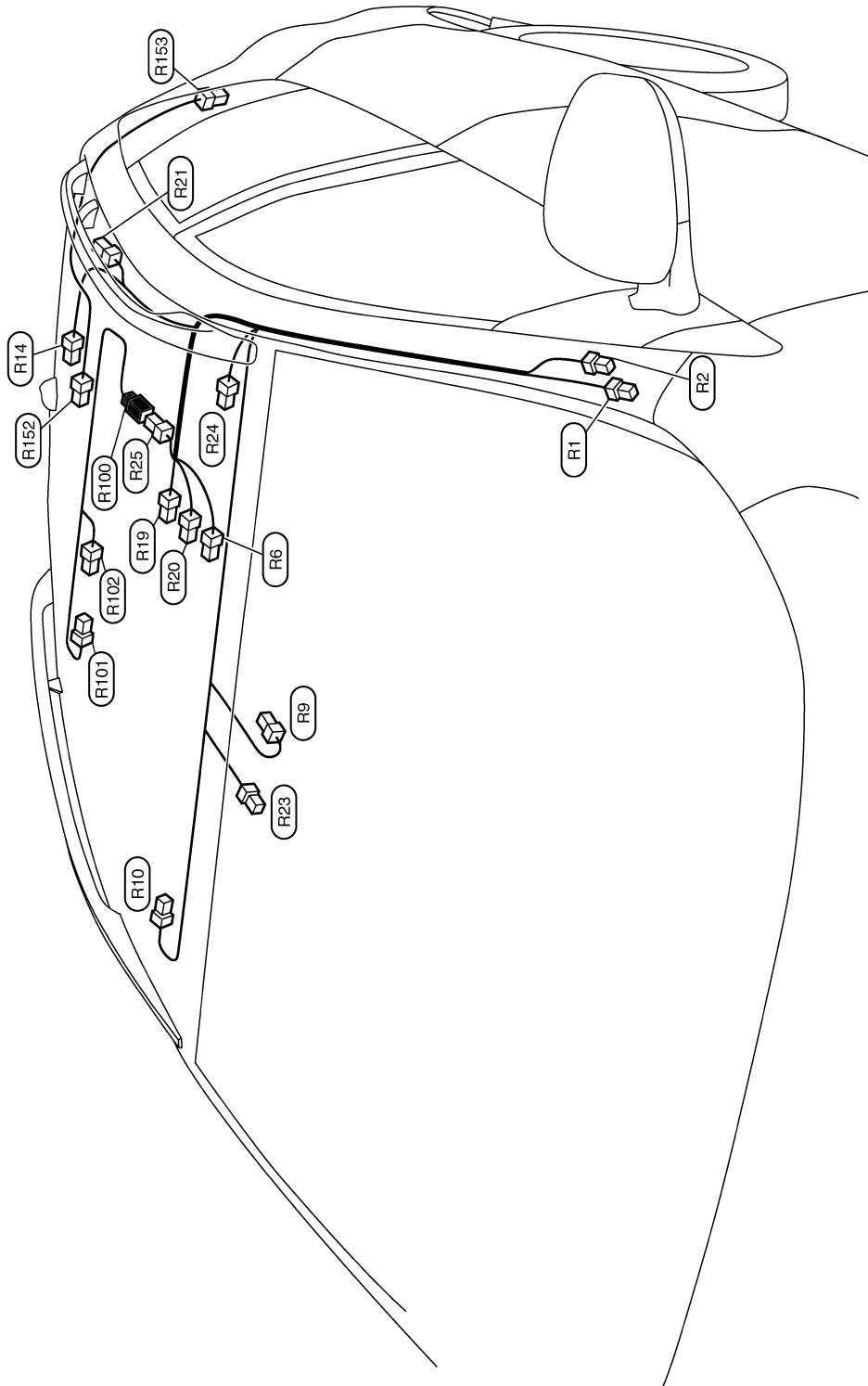
HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

Room Lamp Harness

INFOID:000000005516912



ROOM LAMP HARNESS

2009/08/07

JCMIM0862GB

HARNES LAYOUT

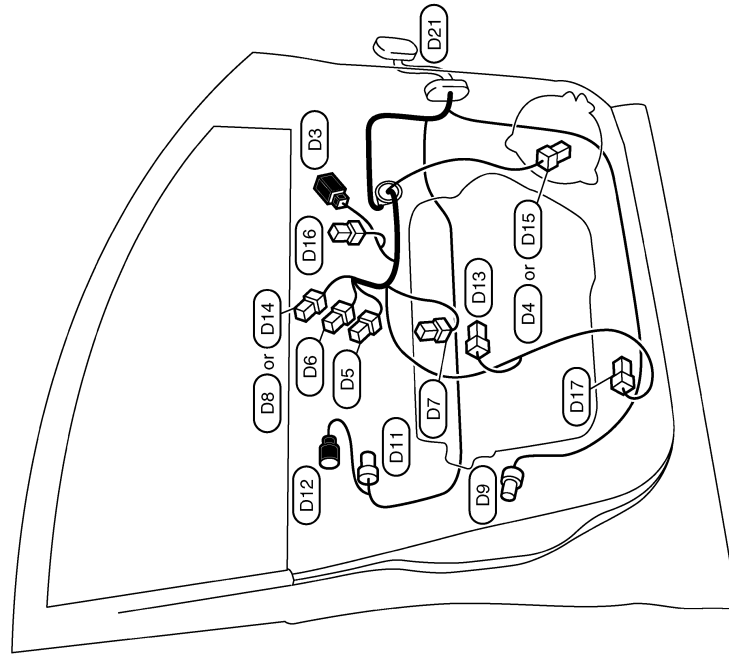
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

Front Door Harness (LH Side)

INFOID:00000000516913

FRONT DOOR HARNESS (LH SIDE)



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2007/10/19

JCMIM0263GB

HARNES LAYOUT

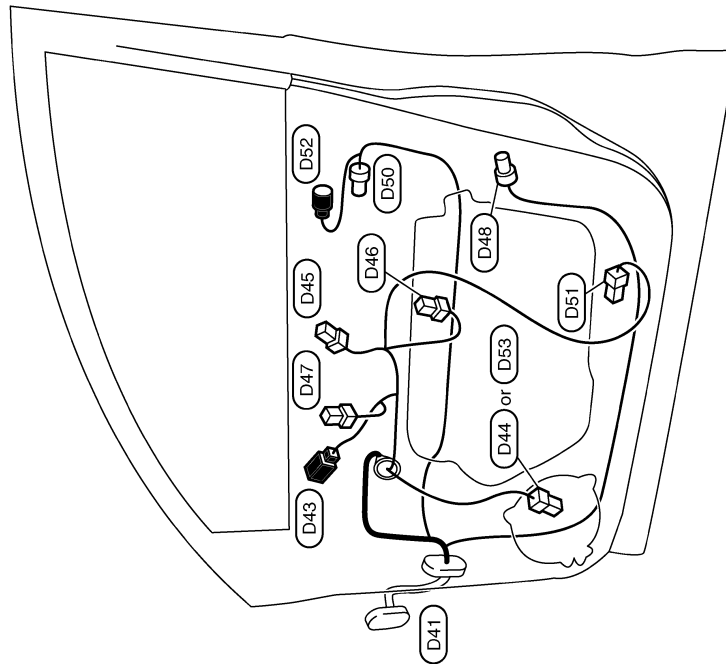
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

Front Door Harness (RH Side)

INFOID:000000005516914

FRONT DOOR HARNESS (RH SIDE)



2007/10/19

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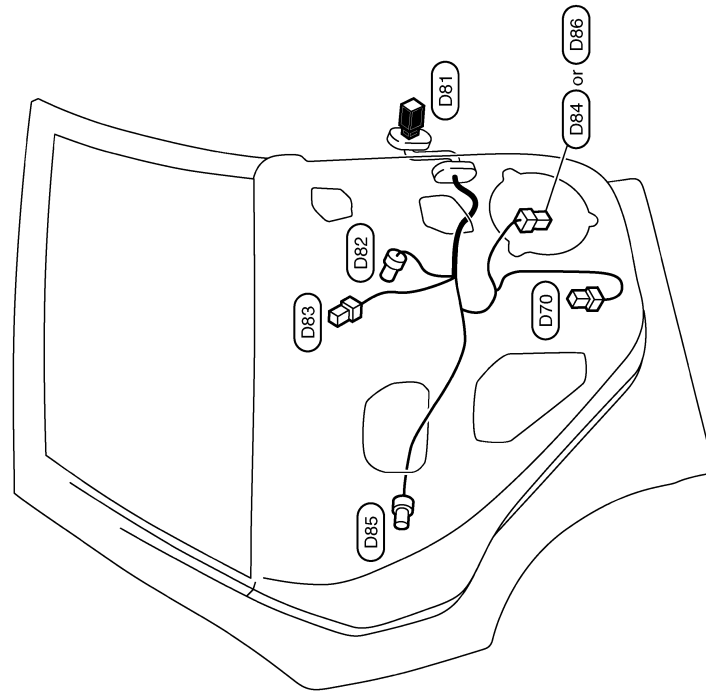
HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

Rear Door Harness (LH Side)

INFOID:00000000516915



REAR DOOR HARNESS (LH SIDE)

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2007/10/19

JCMIM0265GB

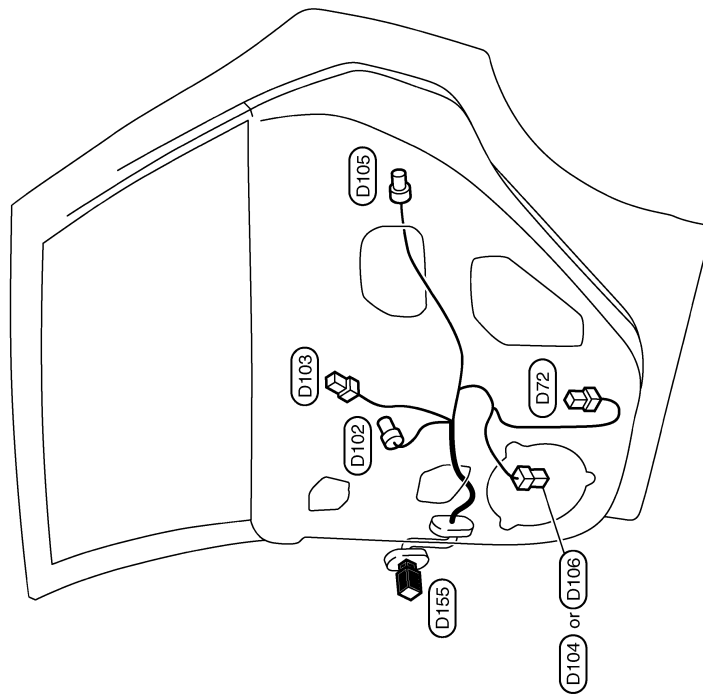
HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

Rear Door Harness (RH Side)

INFOID:000000005516916



REAR DOOR HARNESS (RH SIDE)

2007/10/19

JCMIM0266GB

HARNES LAYOUT

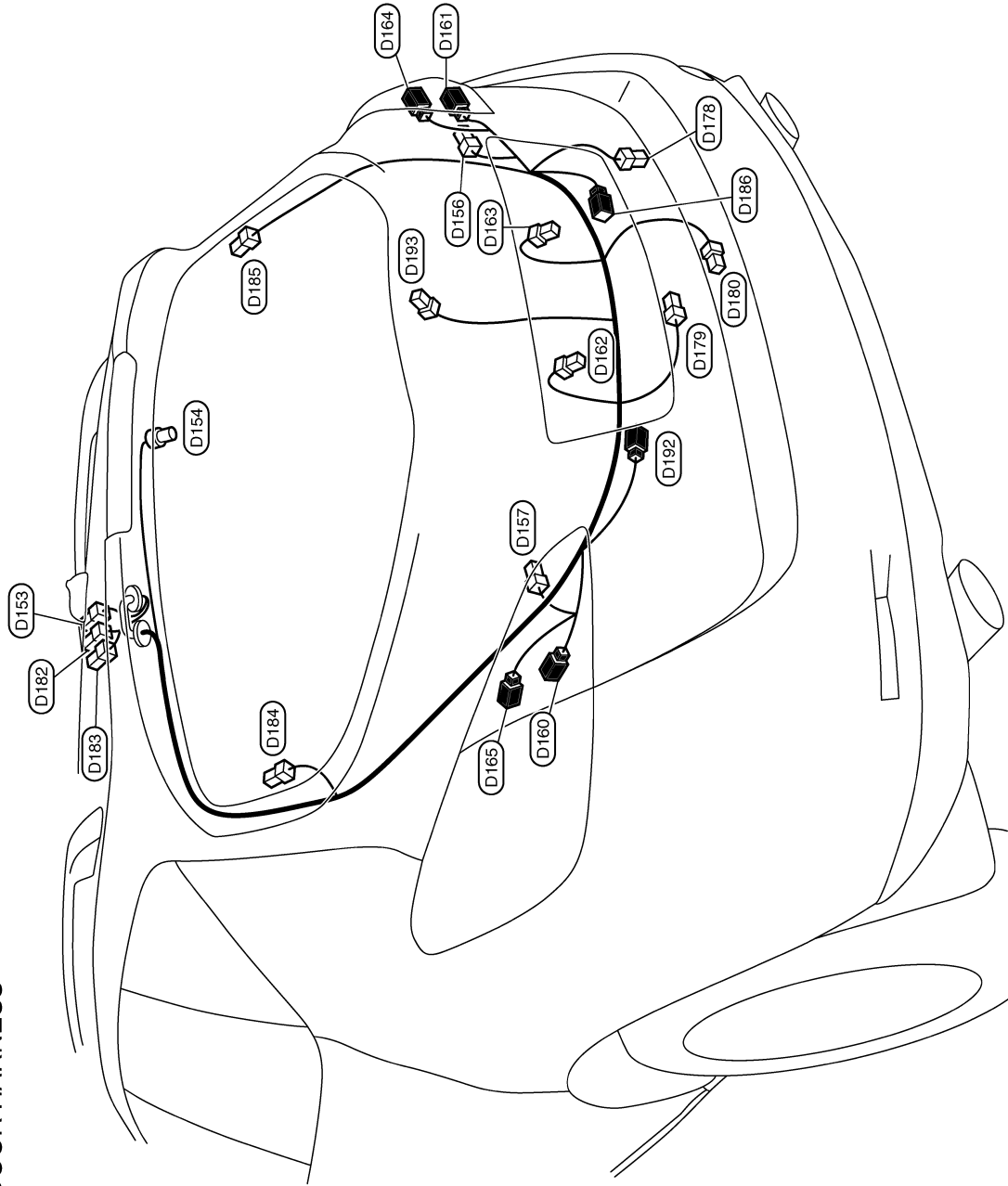
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

Back Door Harness

INFOID:00000000516917

BACK DOOR HARNESS



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2007/10/19

JCMIM0267GB

HARNESS CONNECTOR

Description

INFOID:000000005516918

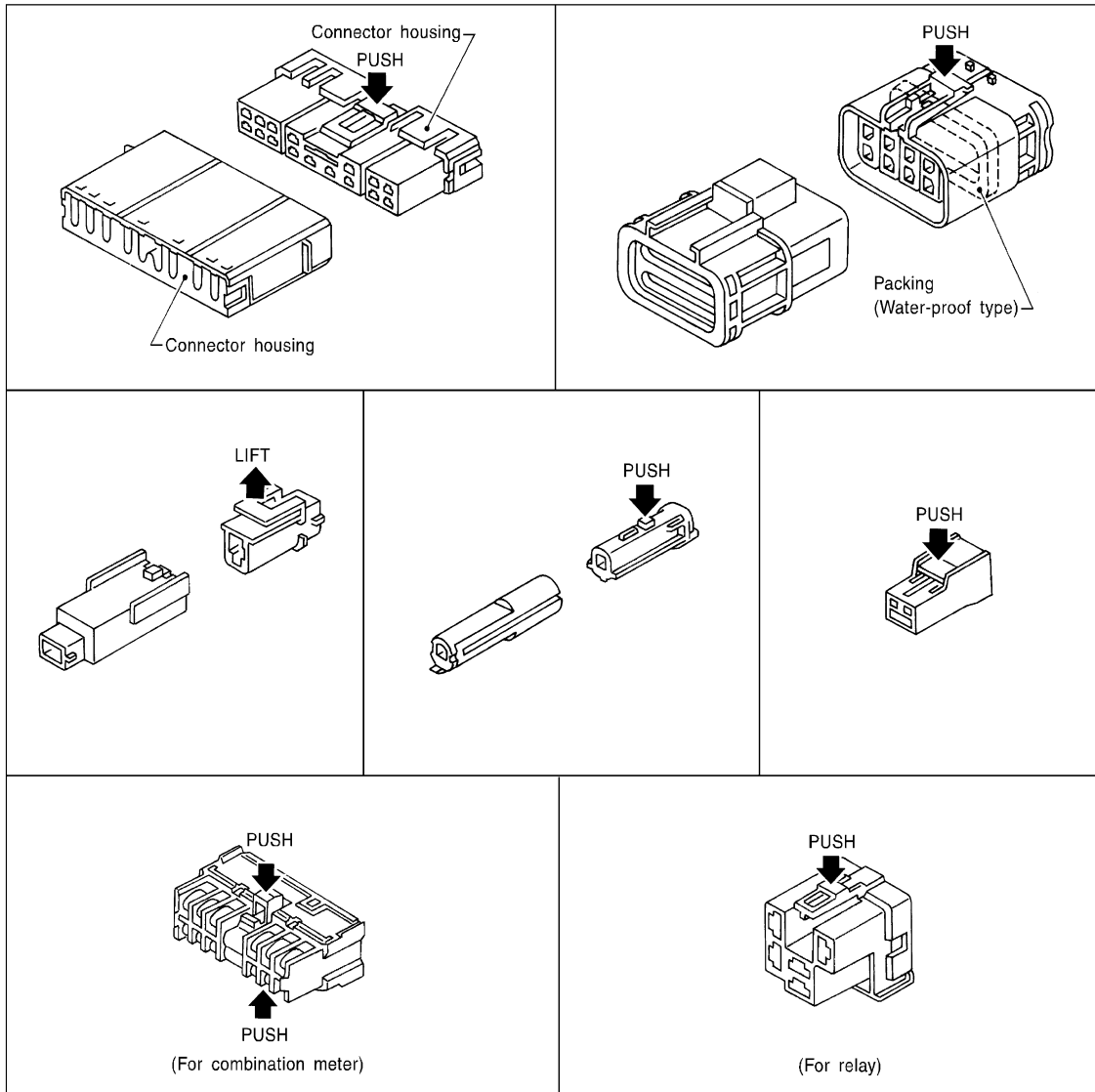
HARNESS CONNECTOR (TAB-LOCKING TYPE)

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

CAUTION:

Never pull the harness or wires when disconnecting the connector.

[Example]



SEL769DA

HARNESS CONNECTOR (SLIDE-LOCKING TYPE)

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

HARNESS CONNECTOR

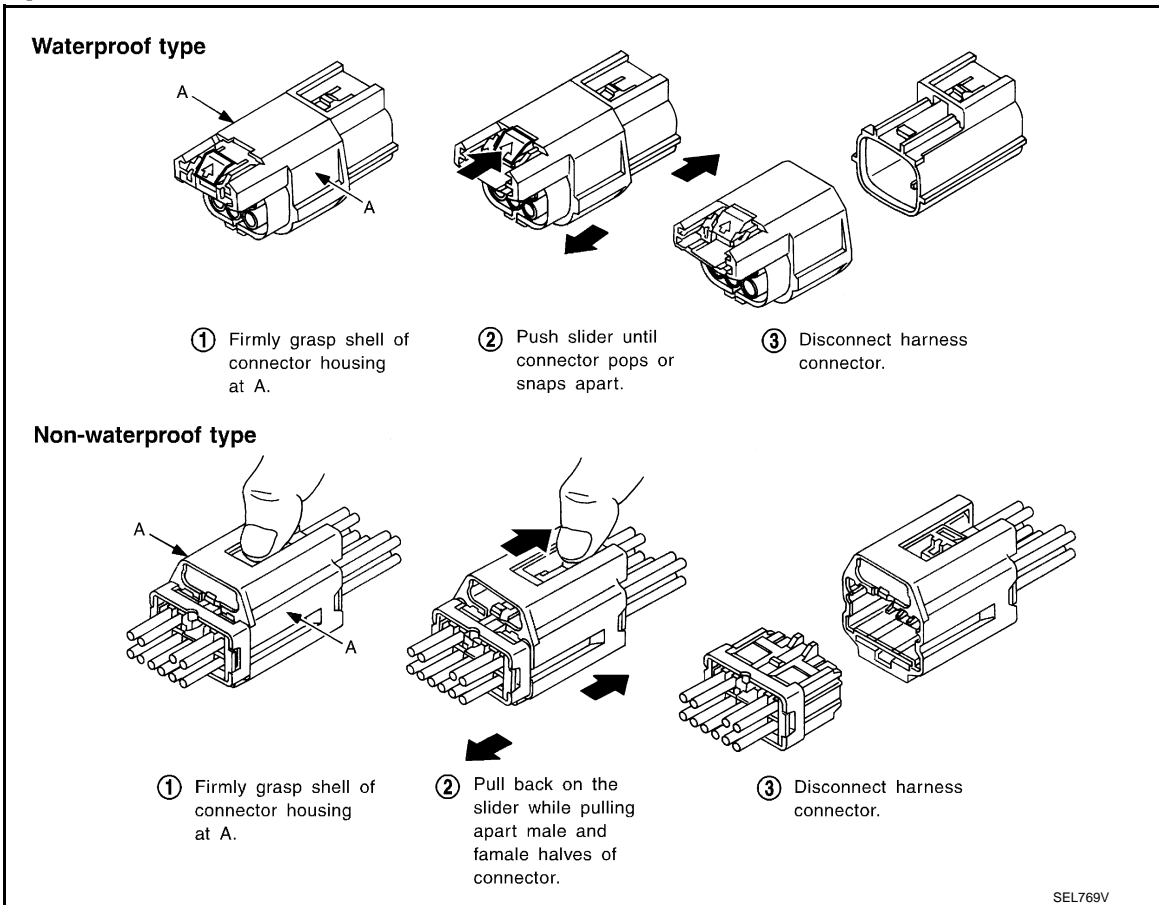
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

CAUTION:

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

[Example]



HARNESS CONNECTOR (LEVER LOCKING TYPE)

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

CAUTION:

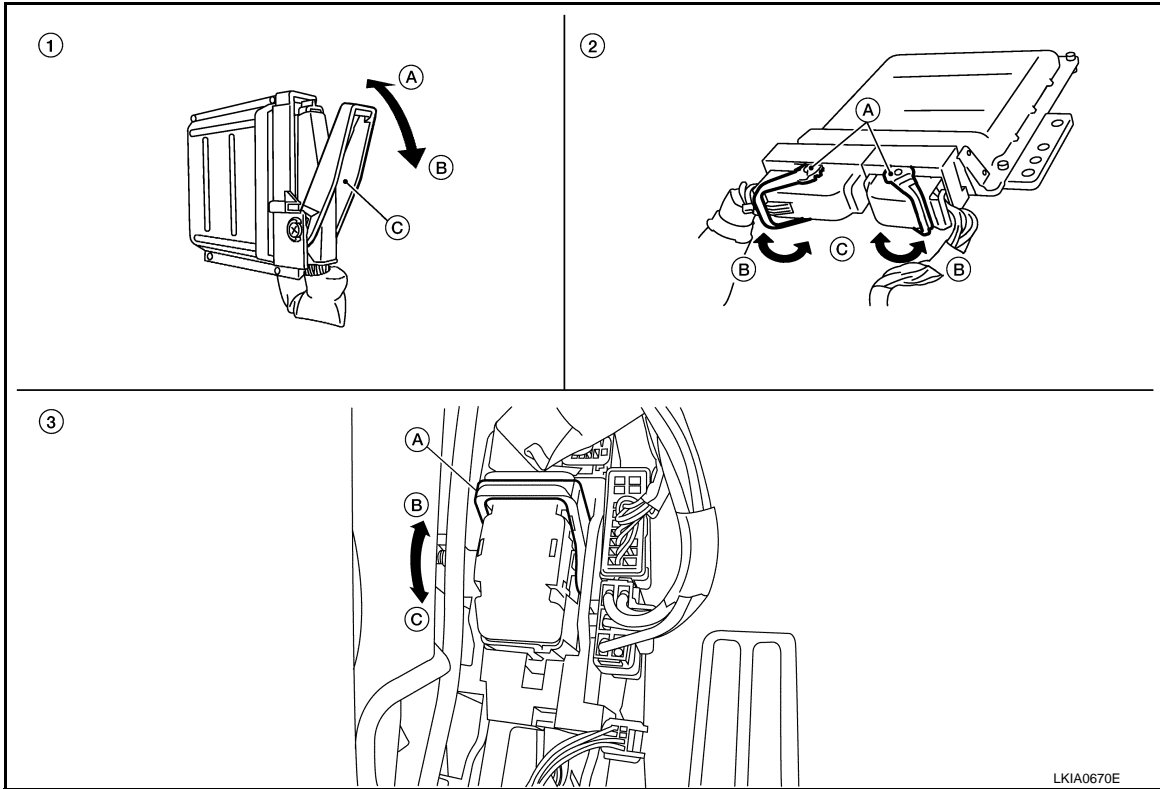
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HARNES CONNECTOR

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

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



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

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

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

STANDARDIZED RELAY

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

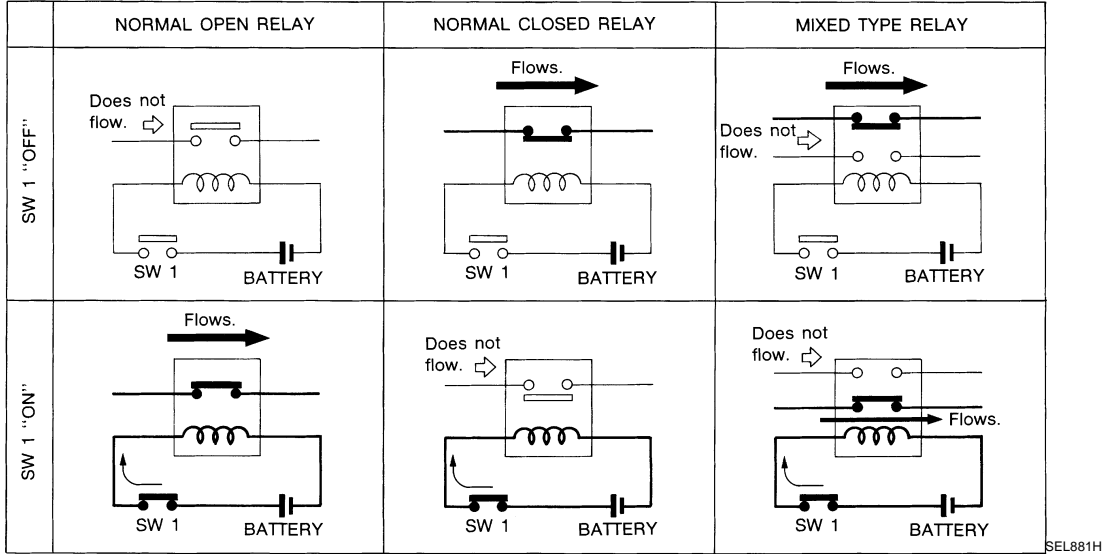
STANDARDIZED RELAY

Description

INFOID:000000005516919

NORMAL OPEN, NORMAL CLOSED AND MIXED TYPE RELAYS

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



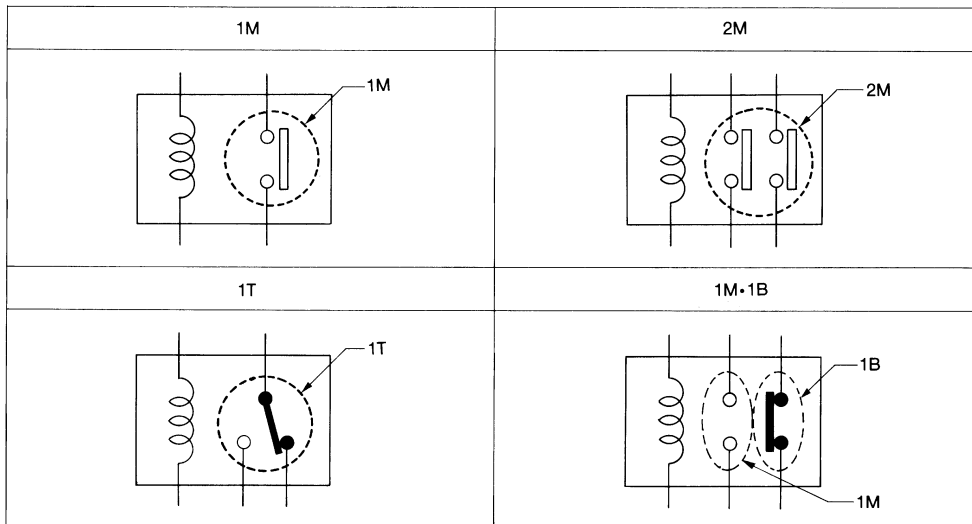
TYPE OF STANDARDIZED RELAYS

1M 1 Make

2M 2 Make

1T 1 Transfer

1M-1B 1 Make 1 Break

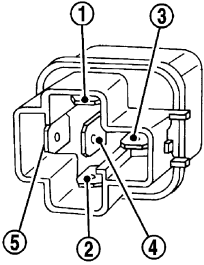
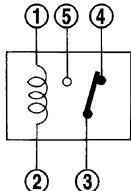
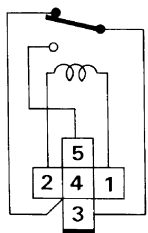
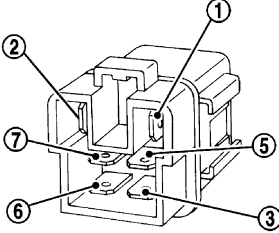
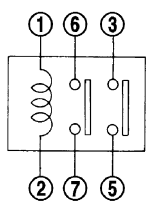
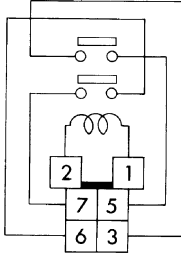
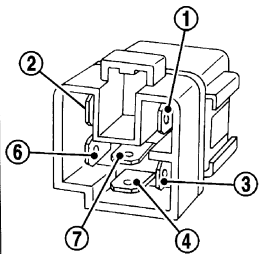
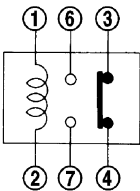
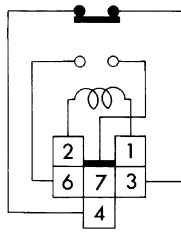
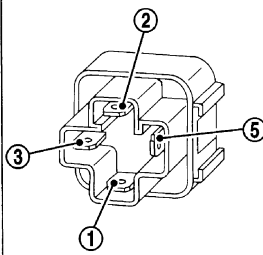
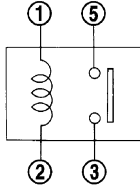
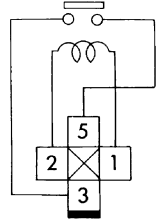
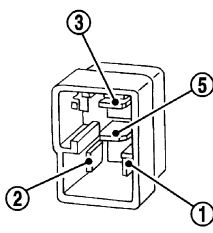
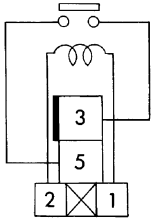


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STANDARDIZED RELAY

< 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)

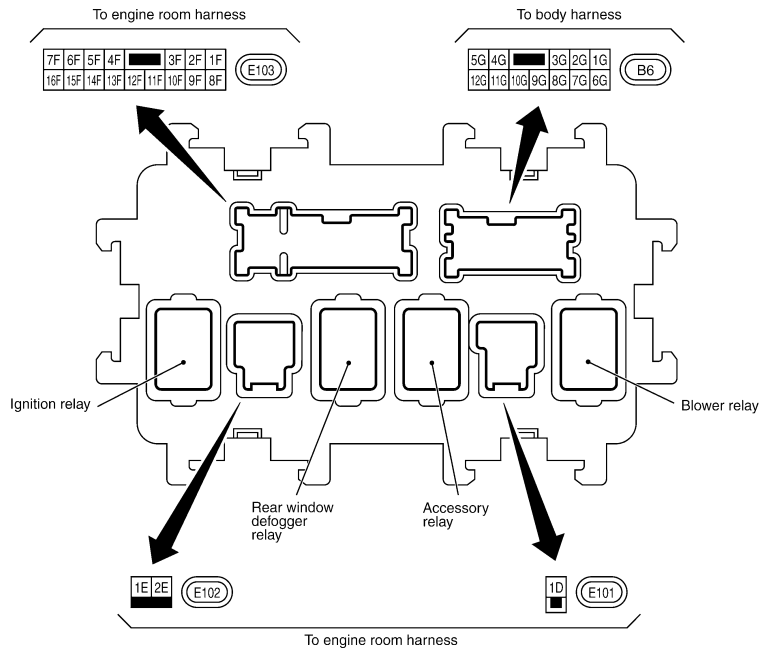
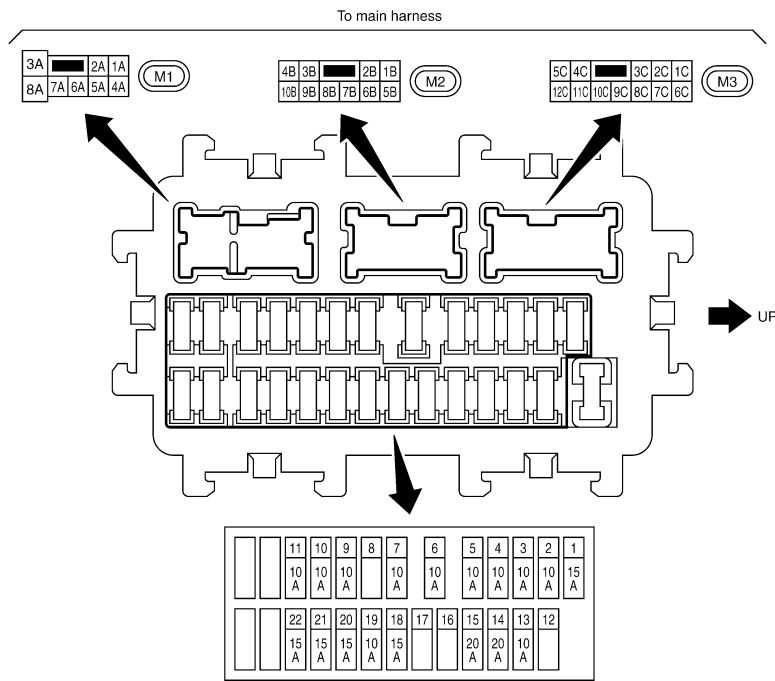
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

FUSE BLOCK - JUNCTION BOX (J/B)

Fuse, Connector and Terminal Arrangement

INFOID:000000005516920



2008/09/23

JCMWM3264GB

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FUSE, FUSIBLE LINK AND RELAY BOX

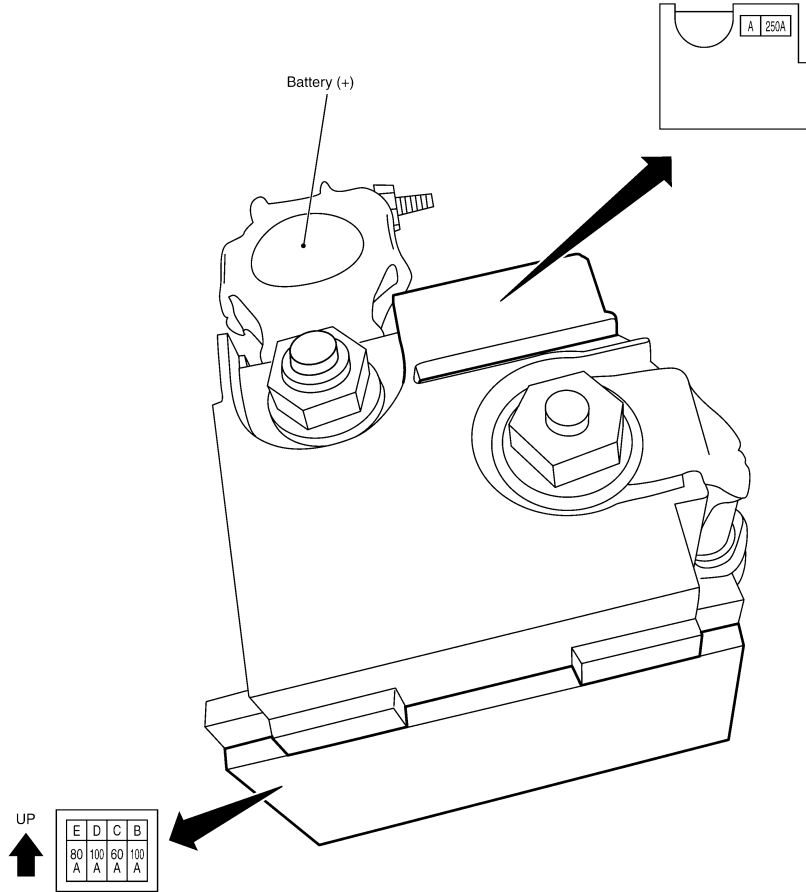
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[POWER SUPPLY&GROUND CIRCUIT]

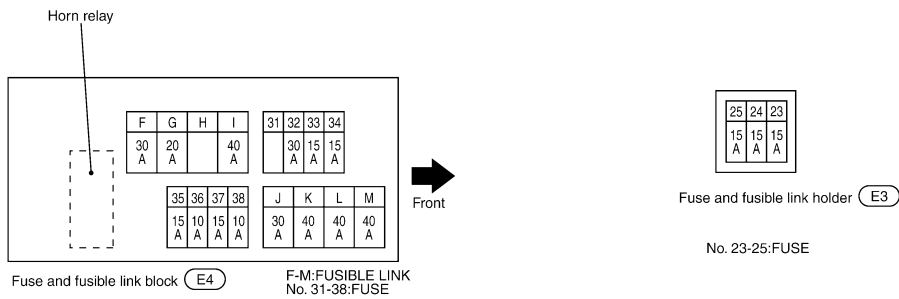
FUSE, FUSIBLE LINK AND RELAY BOX

Fuse and Fusible Link Arrangement

INFOID:000000005516921



Fusible link holder (E1), (E2), (F3)



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JCMWM3265GB

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

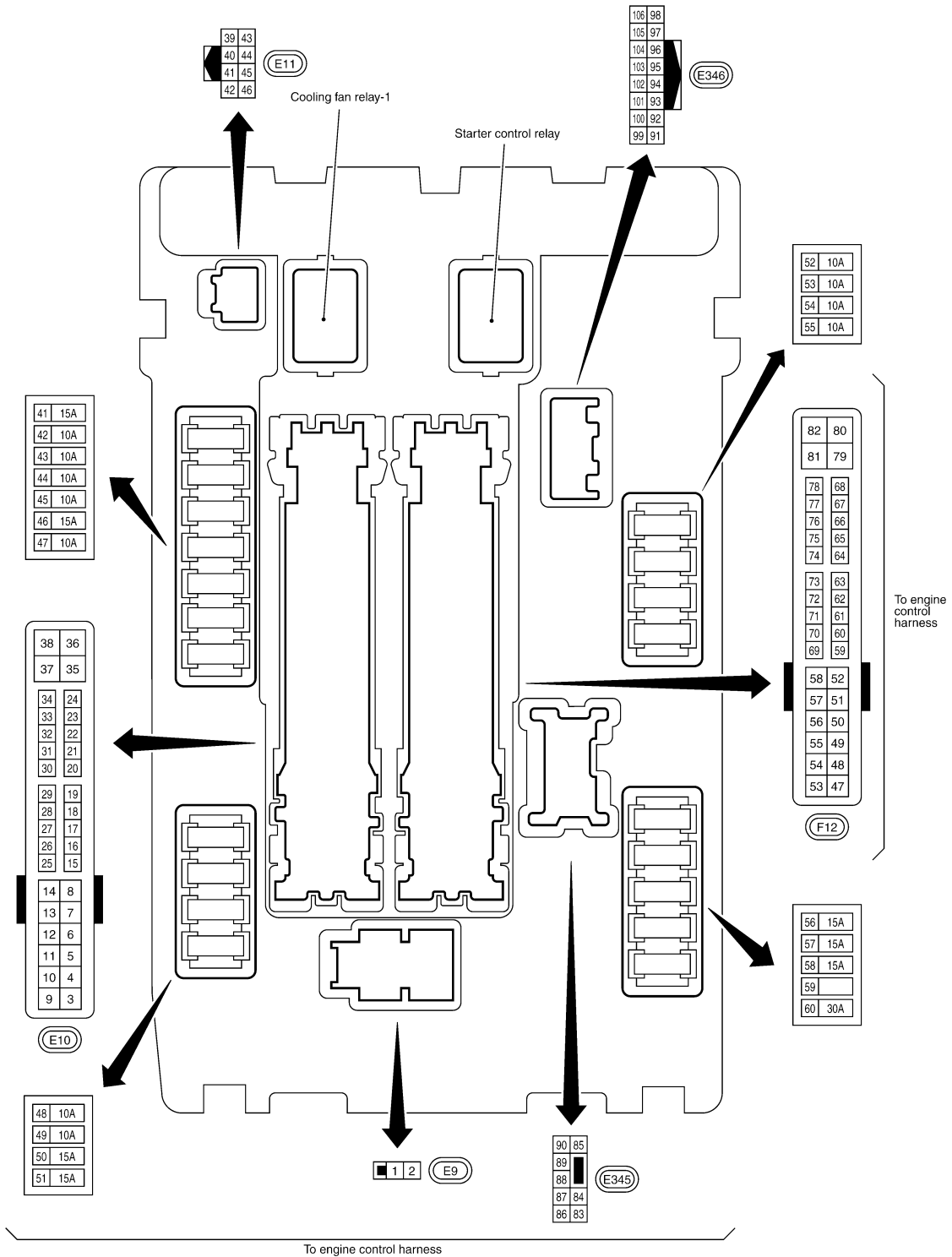
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

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

Fuse, Connector and Terminal Arrangement

INFOID:000000005516922



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JCMWM3266GB

< PRECAUTION >

PRECAUTION

PRECAUTIONS

FOR USA AND CANADA

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

INFOID:000000005550006

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:

- **To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision which 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 the "SRS AIR BAG".**
- **Do not 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:

- **When working near the Air Bag Diagnosis Sensor Unit or other Air Bag System sensors with the ignition ON or engine running, DO NOT use air or electric power tools or strike near the sensor(s) with a hammer. Heavy vibration could activate the sensor(s) and deploy the air bag(s), possibly causing serious injury.**
- **When using air or electric power tools or hammers, always switch the ignition OFF, disconnect the battery, and wait at least 3 minutes before performing any service.**

FOR MEXICO

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

INFOID:000000005550007

The Supplemental Restraint System such as "AIR BAG" and "SEAT BELT PRE-TENSIONER", used along with a front seat belt, helps to reduce the risk or severity of injury to the driver and front passenger for certain types of collision. Information necessary to service the system safely is included in the "SRS AIR BAG" and "SEAT BELT" of this Service Manual.

WARNING:

- **To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision which 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 the "SRS AIR BAG".**
- **Do not 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:

- **When working near the Air Bag Diagnosis Sensor Unit or other Air Bag System sensors with the ignition ON or engine running, DO NOT use air or electric power tools or strike near the sensor(s)**

PRECAUTIONS

< PRECAUTION >

[POWER SUPPLY&GROUND CIRCUIT]

- 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.

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PREPARATION

[POWER SUPPLY&GROUND CIRCUIT]

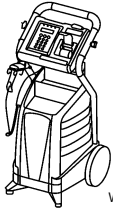
< PREPARATION >

PREPARATION

PREPARATION

Special Service Tools

INFOID:000000005516924

Tool number (Kent-Moore No.) Tool name	Description
<p>— (J-48087) Battery Service Center</p>  <p>WKIA5280E</p>	<p>Tests battery. For operating instructions, refer to Technical Service Bulletin and Battery Service Center User Guide.</p>

BATTERY

< REMOVAL AND INSTALLATION >

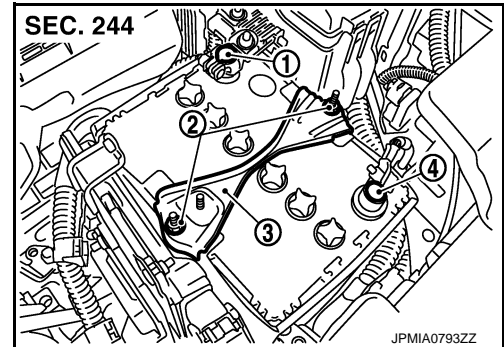
[POWER SUPPLY&GROUND CIRCUIT]

REMOVAL AND INSTALLATION

BATTERY

Exploded View

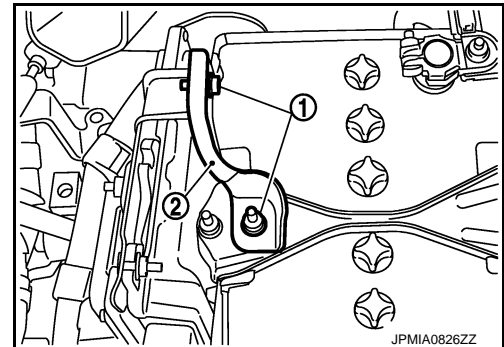
- 1 : Battery terminal (+)
- 2 : Battery fix frame mounting nuts
- 3 : Battery fix frame
- 4 : Battery terminal (-)



Removal and Installation

REMOVAL

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

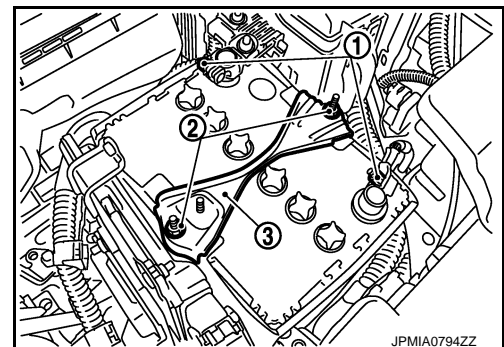


3. Remove cover of battery positive terminal.
4. Loosen battery terminal nuts (1), and disconnect both battery cables from battery terminals.

CAUTION:

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

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



INSTALLATION

Install in the reverse order of removal.

CAUTION:

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

Battery fix frame mounting nut

: 3.92 N·m (0.40 kg·m, 35 in·lb)

Battery terminal nut

: 5.4 N·m (0.55 kg·m, 48 in·lb)

BATTERY

< REMOVAL AND INSTALLATION >

[POWER SUPPLY&GROUND CIRCUIT]

Reset electronic systems as necessary. Refer to [GI-54. "ADDITIONAL SERVICE WHEN REMOVING BATTERY NEGATIVE TERMINAL : Required Procedure After Battery Disconnection"](#).

BATTERY TERMINAL WITH FUSIBLE LINK

< REMOVAL AND INSTALLATION >

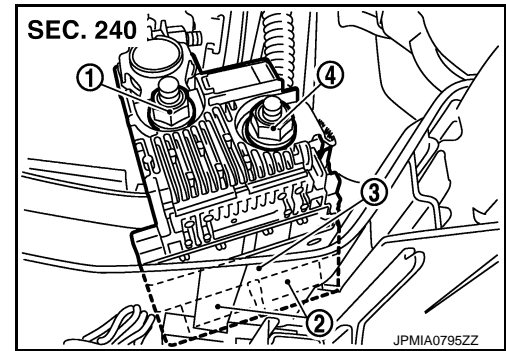
[POWER SUPPLY&GROUND CIRCUIT]

BATTERY TERMINAL WITH FUSIBLE LINK

Exploded View

INFOID:000000005516927

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

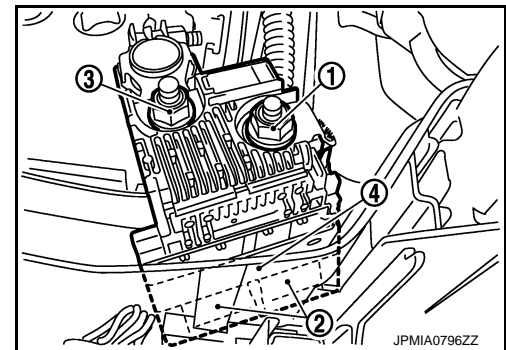


Removal and Installation

INFOID:000000005516928

REMOVAL

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



INSTALLATION

Install in the reverse order of removal.

Harness mounting nut

: 13.5 N·m (1.4 kg·m, 10 ft·lb)

Fusible link holder mounting nut

: 13.5 N·m (1.4 kg·m, 10 ft·lb)

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SERVICE DATA AND SPECIFICATIONS (SDS)

< SERVICE DATA AND SPECIFICATIONS (SDS)

[POWER SUPPLY&GROUND CIRCUIT]

SERVICE DATA AND SPECIFICATIONS (SDS)

SERVICE DATA AND SPECIFICATIONS (SDS)

Battery

INFOID:000000005516929

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