

SECTION **PG**

POWER SUPPLY, GROUND & CIRCUIT ELEMENTS

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BATTERY

< BASIC INSPECTION >

[POWER SUPPLY & GROUND CIRCUIT]

BASIC INSPECTION

BATTERY

How to Handle Battery

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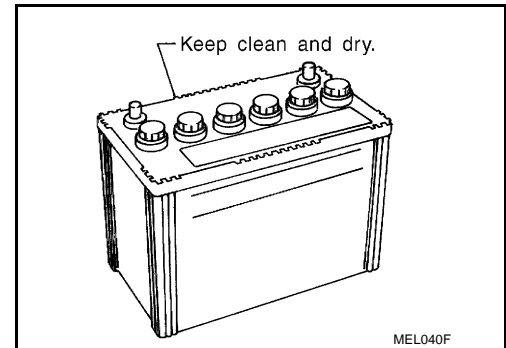
CAUTION:

- 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.

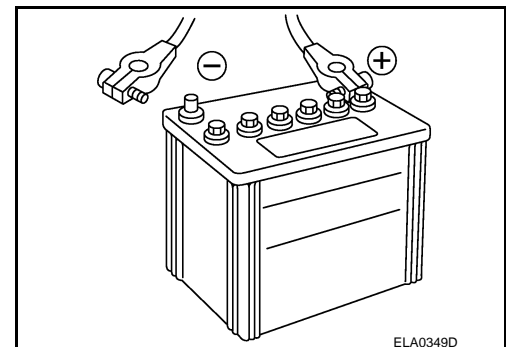
METHODS OF PREVENTING OVER-DISCHARGE

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

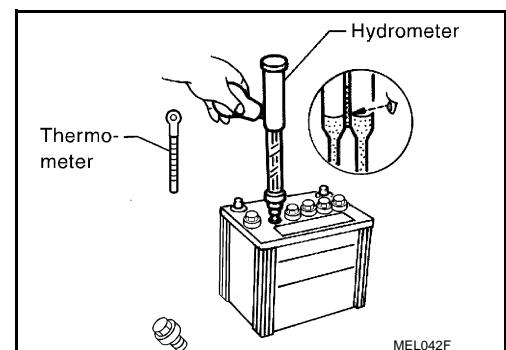
- The battery surface (particularly its top) should always be kept clean and dry.
- The terminal connections should be clean and tight.
- At every routine maintenance, check the electrolyte level. This also applies to batteries designated as "low maintenance" and "maintenance-free".



- 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.

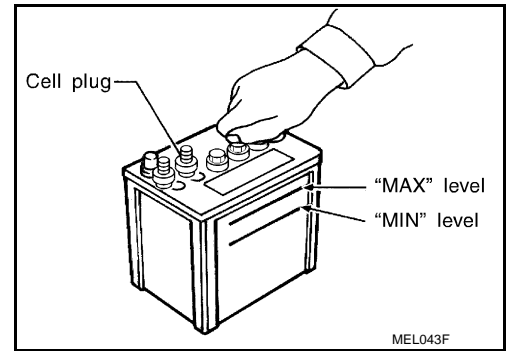
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BATTERY

[POWER SUPPLY & GROUND CIRCUIT]

< BASIC INSPECTION >

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

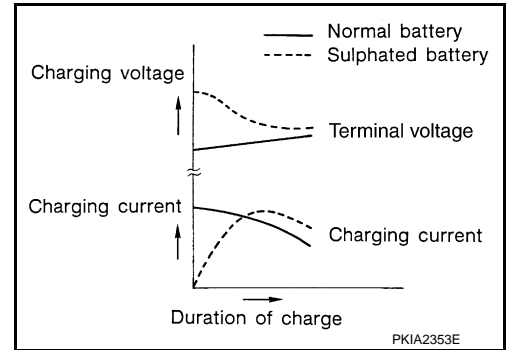


Sulphation

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.

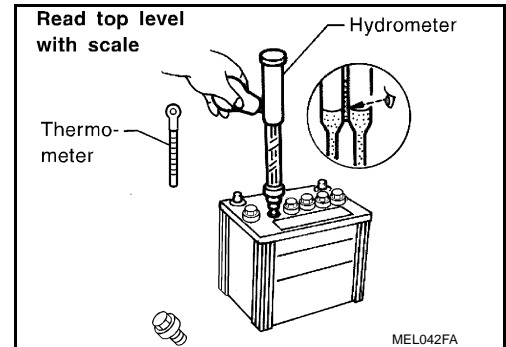
To determine if a battery has been “sulphated”, note its voltage and current when charging it. As shown in the figure, less current and higher voltage are observed in the initial stage of charging sulphated batteries.

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 >

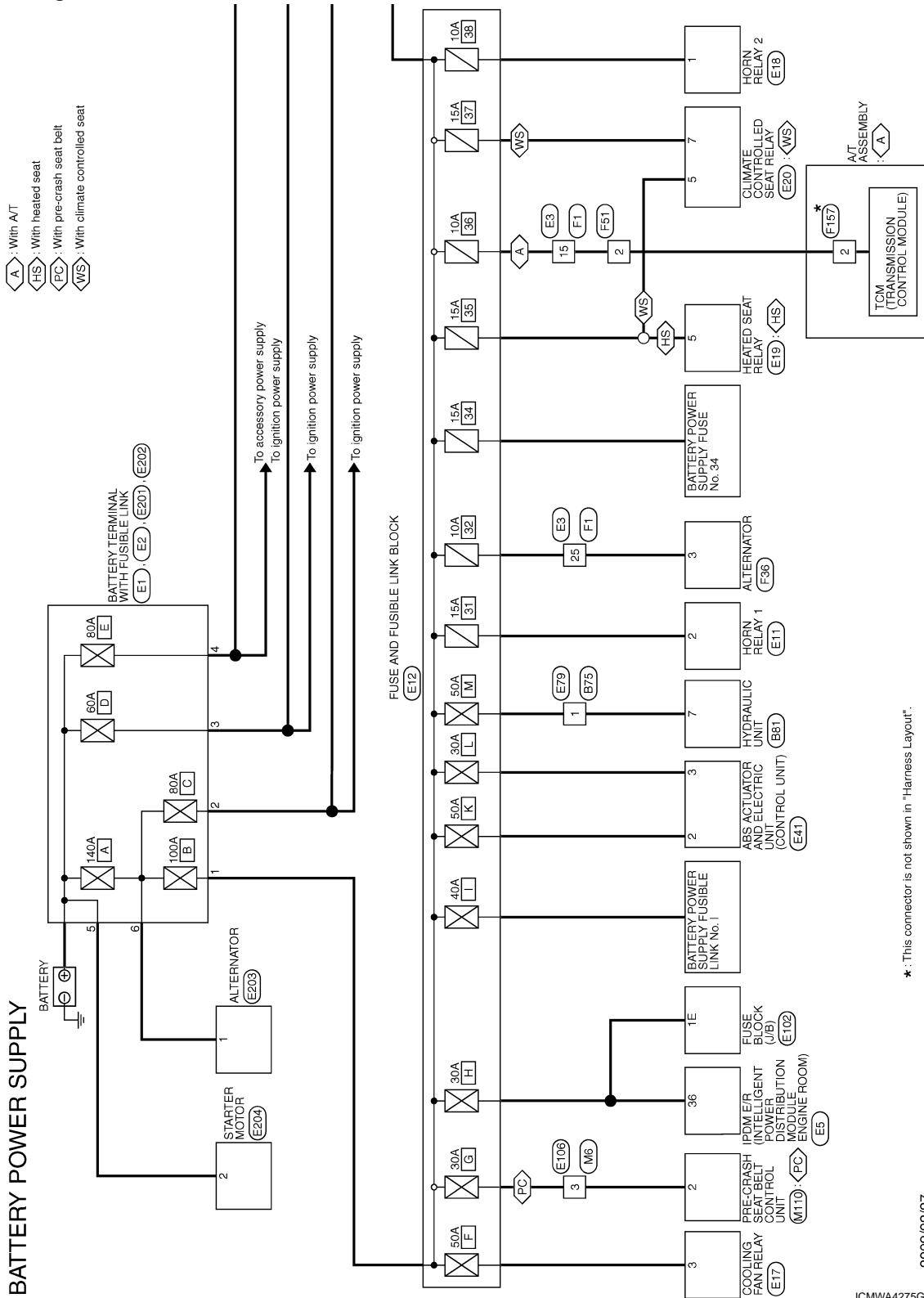
[POWER SUPPLY & GROUND CIRCUIT]

DTC/CIRCUIT DIAGNOSIS

POWER SUPPLY ROUTING CIRCUIT

Wiring Diagram - BATTERY POWER SUPPLY -

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

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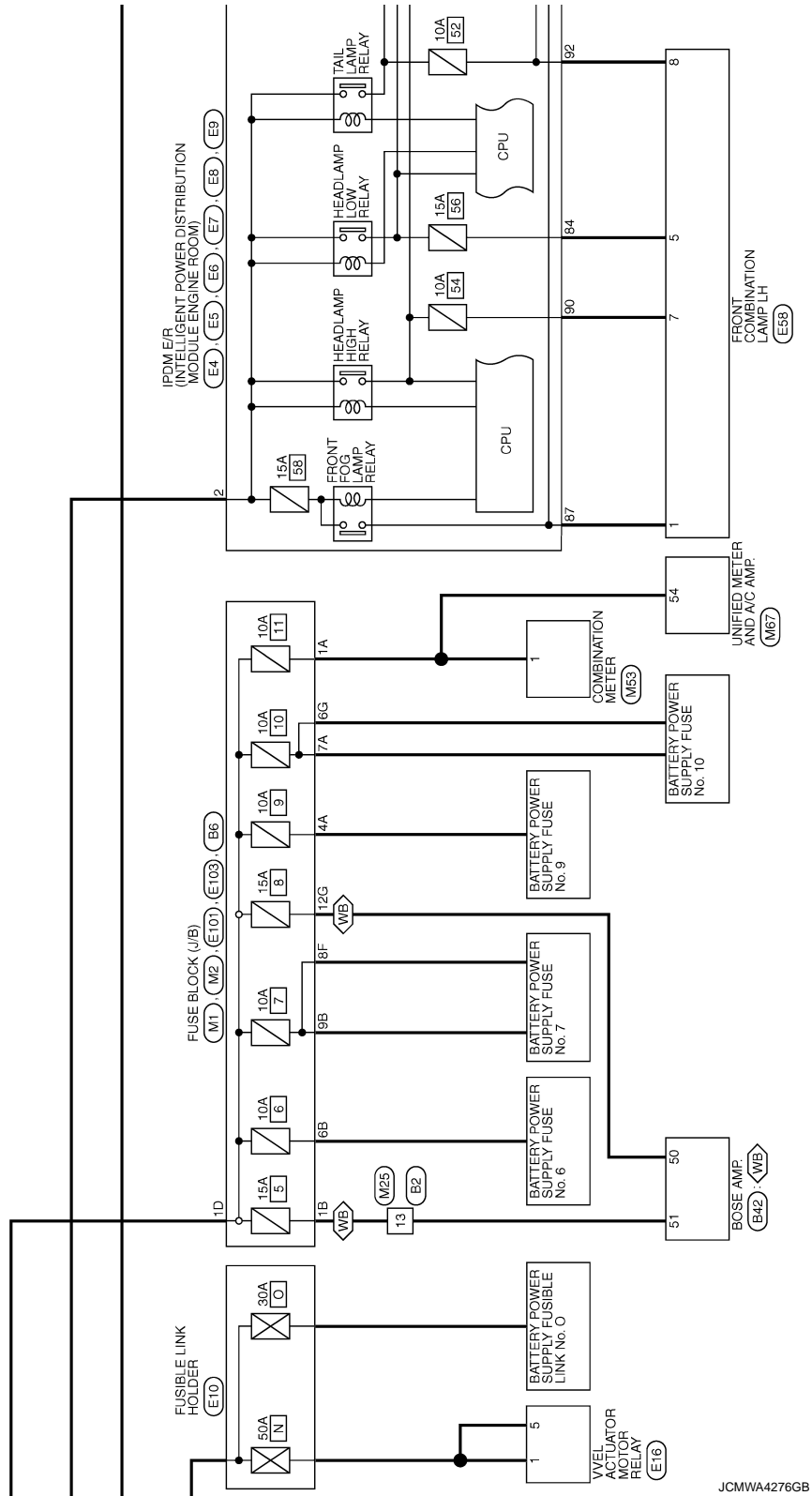
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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

 With BOSE system



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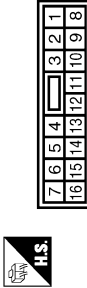
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY

Connector No.	B2
Connector Name	WIRE TO WIRE
Connector Type	NS16FW-CS



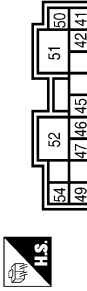
Terminal No.	13	GR	Signal Name [Specification]
Color of Wire			

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



Terminal No.	6G	Y	Signal Name [Specification]
Color of Wire			

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



Terminal No.	50	Y	Signal Name [Specification]
Color of Wire			

Connector No.	B75
Connector Name	WIRE TO WIRE
Connector Type	M02MW-LC



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

Connector No.	B81
Connector Name	HYDRAULIC UNIT
Connector Type	LO2FB-MC



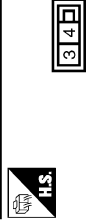
Terminal No.	7	Y	Signal Name [Specification]
Color of Wire			

Connector No.	E1
Connector Name	BATTERY TERMINAL WITH FUSIBLE LINK
Connector Type	LO2FB-MC



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

Connector No.	E2
Connector Name	BATTERY TERMINAL WITH FUSIBLE LINK
Connector Type	LO2FGY-MC



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

Connector No.	E3
Connector Name	WIRE TO WIRE
Connector Type	SAA38MB-RS8-SH28



Terminal No.	11	P	Signal Name [Specification]
Color of Wire			
Terminal No.	12	SB	
Color of Wire			
Terminal No.	15	R	
Color of Wire			
Terminal No.	25	V	
Color of Wire			
Terminal No.	31	BR	
Color of Wire			
Terminal No.	34	O	
Color of Wire			

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

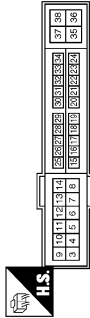
BATTERY POWER SUPPLY

Connector No.	E4
Connector Name	BOWLE INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	L02FB-MC



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

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



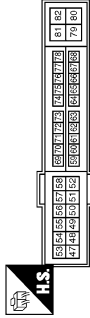
Terminal No.	Color of Wire	Signal Name [Specification]
7	R	-
11	BR	-
12	B/W	-
36	G	-

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



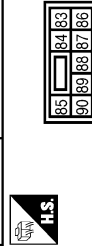
Terminal No.	Color of Wire	Signal Name [Specification]
39	P	-
40	L	-
41	B/W	-

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



Terminal No.	Color of Wire	Signal Name [Specification]
49	O	-
53	W	-
54	P	-
55	SB	-
69	BR	-
70	O	-

Connector No.	E8
Connector Name	BOWLE INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	MS08FW-CS



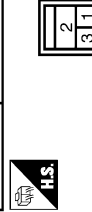
Terminal No.	Color of Wire	Signal Name [Specification]
83	R	-
84	P	-
86	W	-
87	L	-
88	BR	-
89	LG	-

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



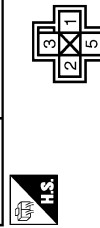
Terminal No.	Color of Wire	Signal Name [Specification]
91	P	-
92	O	-

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



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

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



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

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]


BATTERY POWER SUPPLY

Connector No.	E17
Connector Name	COOLING FAN RELAY
Connector Type	24347-3F500




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

Connector No.	E18
Connector Name	HORN RELAY 2
Connector Type	IM35FW-R-LC




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

Connector No.	E19
Connector Name	HEATED SEAT RELAY
Connector Type	IMS02FL-M2



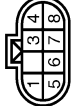
Terminal No.	Color of Wire	Signal Name [Specification]
5	BR	-

Connector No.	E20
Connector Name	CLIMATE CONTROLLED SEAT RELAY
Connector Type	MO6FBR-R-US




Terminal No.	Color of Wire	Signal Name [Specification]
5	BR	-
7	O	-

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



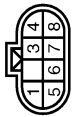
Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
5	R	-
7	BR	-
8	P	-

Connector No.	E41
Connector Name	ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT)
Connector Type	BA442FB-AH24-LH




Terminal No.	Color of Wire	Signal Name [Specification]
2	G	UBMR
3	R	UBVR

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



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
5	P	-
7	LG	-
8	O	-

Connector No.	E79
Connector Name	WIRE TO WIRE
Connector Type	MO2FW-LC



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

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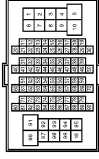








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POWER SUPPLY ROUTING CIRCUIT

< 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. 1D	Color of Wire R	Signal Name [Specification]	Terminal No. 1D	Color of Wire R	Signal Name [Specification]
Connector No. E102	Connector Name FUSE BLOCK (J/B)	Connector Type M02EB-LC	 	Terminal No. 1E	Color of Wire G	Signal Name [Specification]	Terminal No. 1E	Color of Wire G	Signal Name [Specification]
Connector No. E103	Connector Name FUSE BLOCK (J/B)	Connector Type NS16FW-CS	 	Terminal No. 8F	Color of Wire L	Signal Name [Specification]	Terminal No. 8F	Color of Wire L	Signal Name [Specification]
Connector No. E106	Connector Name WIRE TO WIRE	Connector Type TH80FY-CS (B-TM4)	 	Terminal No. 3	Color of Wire W	Signal Name [Specification]	Terminal No. 3	Color of Wire W	Signal Name [Specification]
Connector No. E201	Connector Name BATTERY TERMINAL WITH FUSIBLE LINK	Connector Type 24340 79900	 	Terminal No. 5	Color of Wire B/Y	Signal Name [Specification]	Terminal No. 5	Color of Wire B/Y	Signal Name [Specification]
Connector No. E202	Connector Name BATTERY TERMINAL WITH FUSIBLE LINK	Connector Type 24340 79905	 	Terminal No. 6	Color of Wire B/GR	Signal Name [Specification]	Terminal No. 6	Color of Wire B/GR	Signal Name [Specification]
Connector No. E203	Connector Name ALTERNATOR	Connector Type 24340 85F45	 	Terminal No. 1	Color of Wire B/GR	Signal Name [Specification]	Terminal No. 1	Color of Wire B/GR	Signal Name [Specification]
Connector No. E204	Connector Name STARTER MOTOR	Connector Type 24340 51E61	 	Terminal No. 2	Color of Wire B/Y	Signal Name [Specification]	Terminal No. 2	Color of Wire B/Y	Signal Name [Specification]

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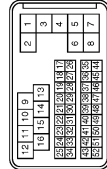
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]


BATTERY POWER SUPPLY

Connector No.	F1
Connector Name	WIRE TO WIRE
Connector Type	SMA3FB-RSS-SH2B




Terminal No.	Color of Wire	Signal Name [Specification]
11	R	-
12	P	-
15	R	-
25	V	-
31	P	-
34	O	-

Connector No.	F36
Connector Name	ALTERNATOR
Connector Type	HS03FB



Terminal No.	Color of Wire	Signal Name [Specification]
3	V	S

Connector No.	F51
Connector Name	A/T ASSEMBLY
Connector Type	RK10FG-D3Y



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

Connector No.	F101
Connector Name	ECM
Connector Type	RH40FB-R2B-L-LH-Z



Terminal No.	Color of Wire	Signal Name [Specification]
3	R	VMOT-B1
24	P	SSOFF
25	O	MOTRLY-B1

Connector No.	F102
Connector Name	ECM
Connector Type	RH40FB-R2B-L-LH-Z

POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

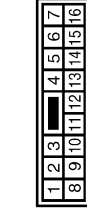
BATTERY POWER SUPPLY

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TH8DW-CS16-TM4



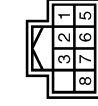
Terminal No.	Color of Wire	Signal Name [Specification]
3	W	-
64	BR	-

Connector No.	M25
Connector Name	WIRE TO WIRE
Connector Type	NS16MW-CS



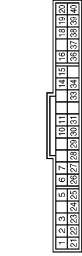
Terminal No.	Color of Wire	Signal Name [Specification]
13	R	- [With NAVI]
13	V	- [Without NAVI]

Connector No.	M40
Connector Name	STEERING LOCK UNIT
Connector Type	TH8DFW-NH



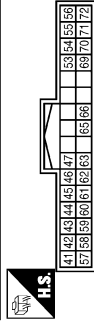
Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	S/L 12V (MECHANICAL)

Connector No.	M53
Connector Name	COMBINATION METER
Connector Type	SAB4FW



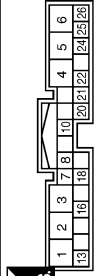
Terminal No.	Color of Wire	Signal Name [Specification]
1	V	BATTERY POWER SUPPLY

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



Terminal No.	Color of Wire	Signal Name [Specification]
54	Y	BATTERY POWER SUPPLY

Connector No.	M10
Connector Name	PRE-CRASH SEAT BELT CONTROL UNIT
Connector Type	TH20FW-TB6



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

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

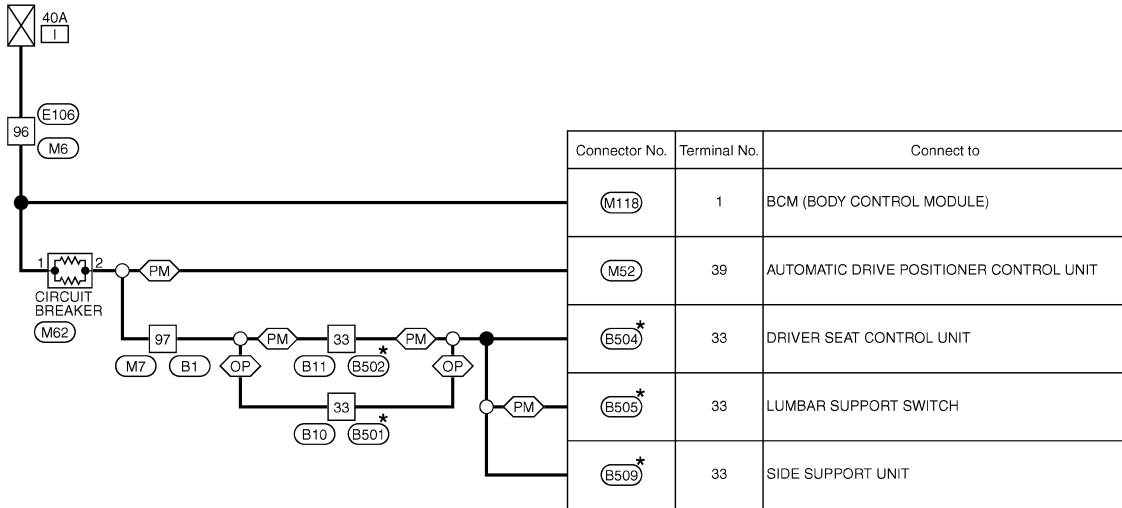
[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - BATTERY POWER SUPPLY FUSIBLE LINK No. 1 -

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BATTERY POWER SUPPLY FUSIBLE LINK No. 1

PM : With automatic drive positioner
 OP : Without automatic drive positioner



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

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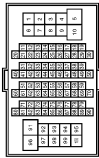
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

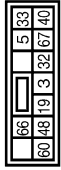
BATTERY POWER SUPPLY FUSIBLE LINK No. 1

Connector No.	B1
Connector Name	WIRE TO WIRE
Connector Type	TH8DFW-CS16-TM4



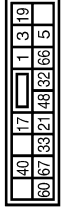
Terminal No.	97	SB	—	Signal Name [Specification]
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Connector No.	B10
Connector Name	WIRE TO WIRE
Connector Type	NS12FW-CS



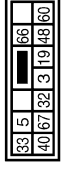
Terminal No.	33	SB	—	Signal Name [Specification]
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Connector No.	B11
Connector Name	WIRE TO WIRE
Connector Type	NS16FW-CS




Terminal No.	33	SB	—	Signal Name [Specification]
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Connector No.	B301
Connector Name	WIRE TO WIRE
Connector Type	NS12MW-CS




Terminal No.	33	R	—	Signal Name [Specification]
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Connector No.	B502
Connector Name	WIRE TO WIRE
Connector Type	NS16MW-CS




Terminal No.	33	R	—	Signal Name [Specification]
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Connector No.	B504
Connector Name	DRIVER SEAT CONTROL UNIT
Connector Type	NS16FW-CS




Terminal No.	33	R	—	Signal Name [Specification]
				BAT (C/B)

Connector No.	B505
Connector Name	LUMBAR SUPPORT SWITCH
Connector Type	NS34FW-CS



Terminal No.	33	R	—	Signal Name [Specification]
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Connector No.	B509
Connector Name	SIDE SUPPORT UNIT
Connector Type	NS36FW-CS



Terminal No.	33	R	—	Signal Name [Specification]
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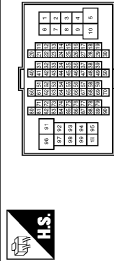
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

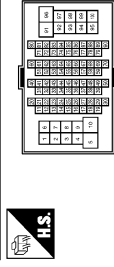
BATTERY POWER SUPPLY FUSIBLE LINK No. 1

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



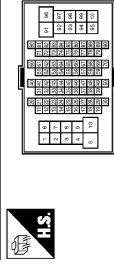
Terminal No.	96	W	—
Color of Wire	W	—	—
Signal Name [Specification]	—	—	—

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



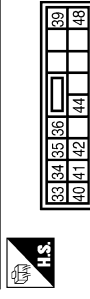
Terminal No.	96	W	—
Color of Wire	W	—	—
Signal Name [Specification]	—	—	—

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



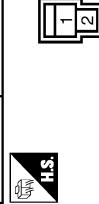
Terminal No.	97	SB	—
Color of Wire	SB	—	—
Signal Name [Specification]	—	—	—

Connector No.	M52
Connector Name	AUTOMATIC DRIVE POSITIONER CONTROL UNIT
Connector Type	NS18FW-CS



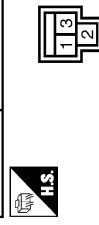
Terminal No.	39	W	BAT (C/B)
Color of Wire	W	—	—
Signal Name [Specification]	BAT (C/B)	—	—

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



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

Connector No.	M18
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	M02FB-LC



Terminal No.	1	W	BAT (F/L)
Color of Wire	W	—	—
Signal Name [Specification]	BAT (F/L)	—	—

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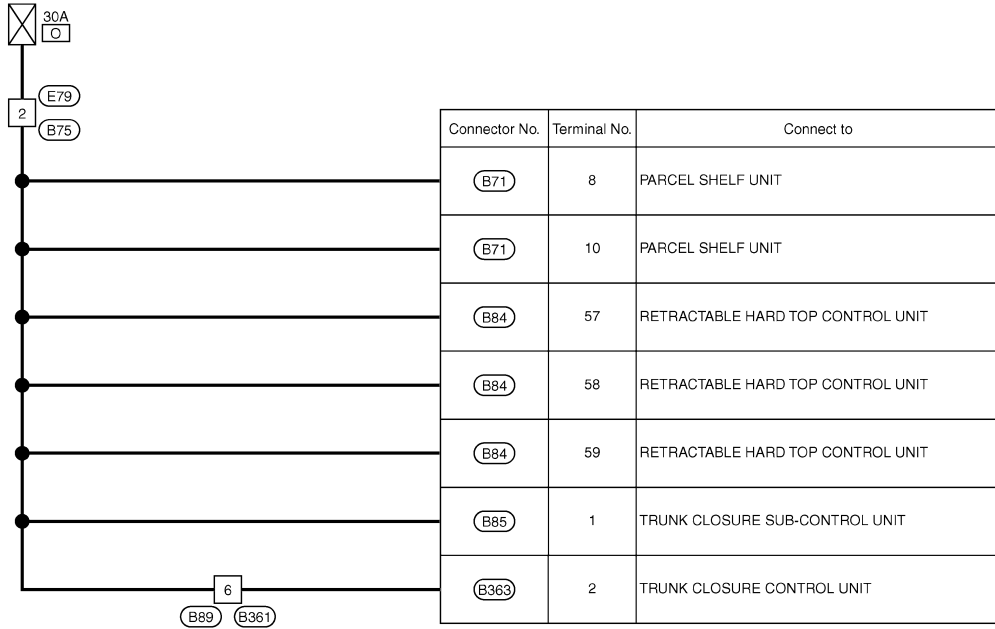
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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

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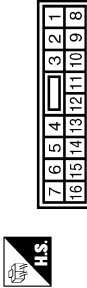
POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

BATTERY POWER SUPPLY FUSIBLE LINK No. O

Connector No.	B71
Connector Name	WIRE TO WIRE
Connector Type	NS16BR-CS



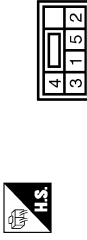
Connector No.	B75
Connector Name	WIRE TO WIRE
Connector Type	IMZMW-LC



Connector No.	B84
Connector Name	RETRACTABLE HARD TOP CONTROL UNIT
Connector Type	NS16FW-CS



Connector No.	B85
Connector Name	TRUNK CLOSURE SUB-CONTROL UNIT
Connector Type	NS06FW-CS



Terminal No.	8	Y	Color of Wire		Signal Name [Specification]
	10	LG			

Terminal No.	2	Y	Color of Wire		Signal Name [Specification]
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Terminal No.	57	Y	Color of Wire		Signal Name [Specification]
	58	Y		BAT	
	59	Y		BAT	

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

Connector No.	B89
Connector Name	WIRE TO WIRE
Connector Type	NS08MW-CS



Connector No.	B88
Connector Name	TRUNK CLOSURE CONTROL UNIT
Connector Type	NS04FW-CS



Connector No.	E79
Connector Name	WIRE TO WIRE
Connector Type	IMZFW-LC



Terminal No.	6	Y	Color of Wire		Signal Name [Specification]
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Terminal No.	6	Y	Color of Wire		Signal Name [Specification]
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Terminal No.	2	Y	Color of Wire		Signal Name [Specification]
					POWER

Terminal No.	2	LG	Color of Wire		Signal Name [Specification]
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POWER SUPPLY ROUTING CIRCUIT

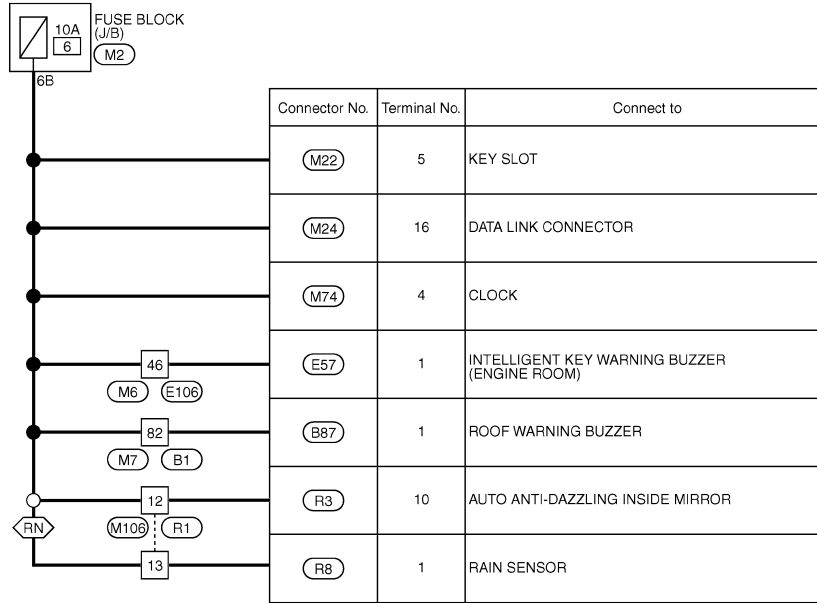
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 6 - BATTERY POWER SUPPLY FUSE No. 6

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 : With rain sensor



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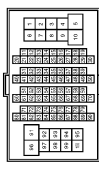
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]



BATTERY POWER SUPPLY FUSE No. 6

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



Terminal No.	82	R	-
Color of Wire			
Signal Name [Specification]			

Connector No.	B87
Connector Name	ROOF WARNING BUZZER
Connector Type	RK02FBR



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

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



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

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


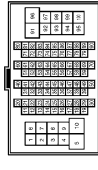
Terminal No.	46	LG	-
Color of Wire			
Signal Name [Specification]			

Connector No.	M2
Connector Name	FUSE BLOCK (J/B)
Connector Type	MS0FW-CS


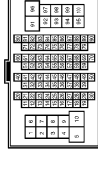
Terminal No.	6E	Y	-
Color of Wire			
Signal Name [Specification]			

Connector No.	M8
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4


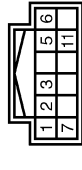
Terminal No.	46	Y	-
Color of Wire			
Signal Name [Specification]			

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

Terminal No.	82	L	-
Color of Wire			
Signal Name [Specification]			

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

Terminal No.	5	Y	-
Color of Wire			
Signal Name [Specification]			ILL BAT

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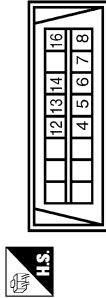
POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

BATTERY POWER SUPPLY FUSE No. 6

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



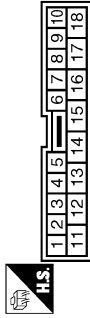
Terminal No.	16	R	—	Signal Name [Specification]
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Connector No.	M74
Connector Name	CLOCK
Connector Type	TH04FW-NH



Terminal No.	4	Y	BAT	Signal Name [Specification]
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Connector No.	M106
Connector Name	WIRE TO WIRE
Connector Type	TK10MW-NSS



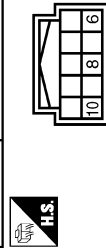
Terminal No.	12	Y	—	Signal Name [Specification]
Terminal No.	13	Y	—	Signal Name [Specification]

Connector No.	R1
Connector Name	WIRE TO WIRE
Connector Type	TK10FW-NSS



Terminal No.	12	G	—	Signal Name [Specification]
Terminal No.	13	Y	—	Signal Name [Specification]

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



Terminal No.	10	G	BAT	Signal Name [Specification]
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Connector No.	R8
Connector Name	RAIN SENSOR
Connector Type	AA80FB



Terminal No.	1	Y	-B	Signal Name [Specification]
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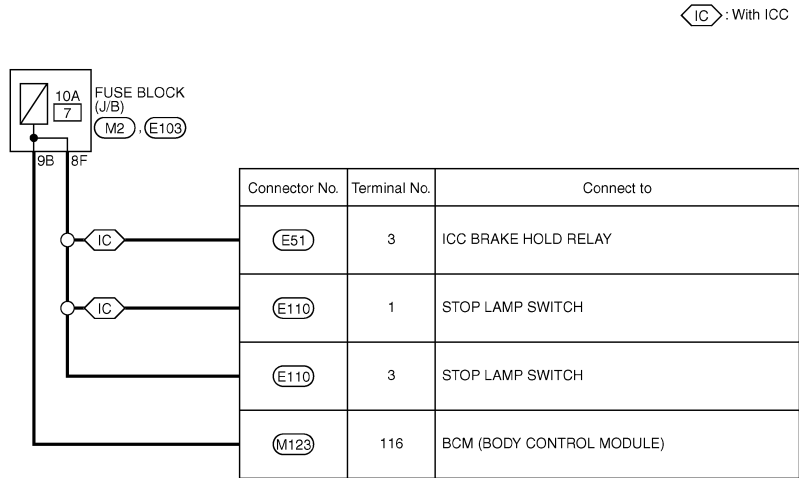
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 7 - BATTERY POWER SUPPLY FUSE No. 7

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POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

BATTERY POWER SUPPLY FUSE No. 7

Connector No.	E51
Connector Name	ICC BRAKE HOLD RELAY
Connector Type	MS22FL-M2



Terminal No.	3	R	—	—	Signal Name [Specification]
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Connector No.	E103
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS16FW-CS



Terminal No.	8F	L	—	—	Signal Name [Specification]
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Connector No.	E110
Connector Name	STOP LAMP SWITCH
Connector Type	MS4FW-LC



Terminal No.	3	L	L	—	Signal Name [Specification]
	1	L	—	[Wth, LCC]	
	2	L	—	—	

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



Terminal No.	9B	L	SB	—	Signal Name [Specification]
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Connector No.	M123
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FG-NH



Terminal No.	116	SB	—	—	Signal Name [Specification]
					STOP LAMP SW 1

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
POWER SUPPLY ROUTING CIRCUIT

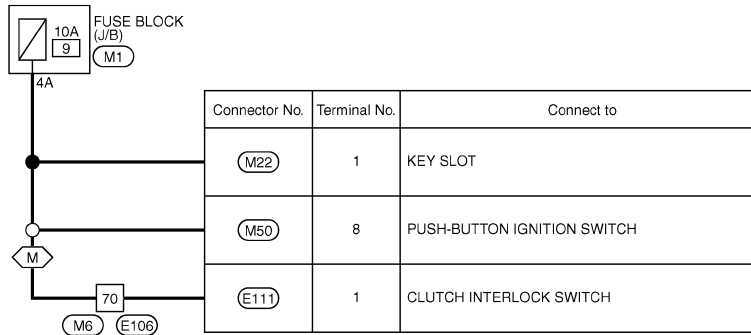
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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

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 : With M/T



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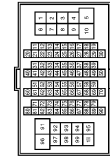
POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

BATTERY POWER SUPPLY FUSE No. 9

Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	TH8DFW-GS16-TM4



Terminal No.	70	G	Signal Name [Specification]
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Connector No.	E111
Connector Name	CLUTCH INTERLOCK SWITCH
Connector Type	SZ2EL



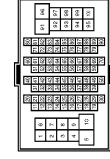
Terminal No.	1	G	Signal Name [Specification]
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Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS30FW-M2



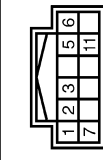
Terminal No.	4A	P	Signal Name [Specification]
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Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TH8DMW-GS16-TM4



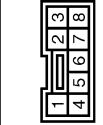
Terminal No.	70	G	Signal Name [Specification]
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Connector No.	M22
Connector Name	KEY SLOT
Connector Type	TH12PW-NH



Terminal No.	1	R	Signal Name [Specification]
			BAT

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



Terminal No.	8	P	Signal Name [Specification]
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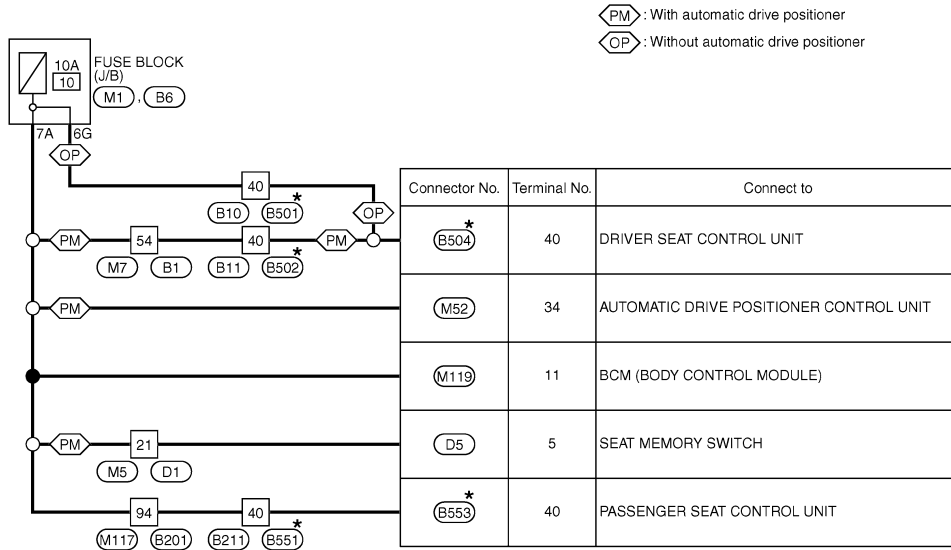
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 10 - BATTERY POWER SUPPLY FUSE No. 10

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

2009/02/27

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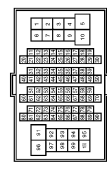
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]


BATTERY POWER SUPPLY FUSE No. 10

Connector No.	B1
Connector Name	WIRE TO WIRE
Connector Type	TH8DFW-CS16-TM4



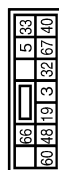
Terminal No.	54	BR	Signal Name [Specification]	
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Connector No.	B6
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS12FER-CS




Terminal No.	6G	G	Signal Name [Specification]	
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Connector No.	B10
Connector Name	WIRE TO WIRE
Connector Type	NS12FW-CS



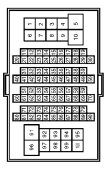
Terminal No.	40	G	Signal Name [Specification]	
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Connector No.	B11
Connector Name	WIRE TO WIRE
Connector Type	NS18FW-CS




Terminal No.	40	BR	Signal Name [Specification]	
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Connector No.	B201
Connector Name	WIRE TO WIRE
Connector Type	TH8DFW-CS16-TM4




Terminal No.	94	SB	Signal Name [Specification]	
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Connector No.	B211
Connector Name	WIRE TO WIRE
Connector Type	NS12FW-CS




Terminal No.	40	SB	Signal Name [Specification]	
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Connector No.	B601
Connector Name	WIRE TO WIRE
Connector Type	NS12MW-CS



Terminal No.	40	R/W	Signal Name [Specification]	
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Connector No.	B602
Connector Name	WIRE TO WIRE
Connector Type	NS16MH-CS



Terminal No.	40	R/W	Signal Name [Specification]	
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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE No. 10

Connector No.	B504
Connector Name	DRIVER SEAT CONTROL UNIT
Connector Type	NS16FW-CS



Terminal No.	40	R/W	Signal Name [Specification]
Color of Wire			BAT (FUSE)

Connector No.	B501
Connector Name	WIRE TO WIRE
Connector Type	NS12MW-CS



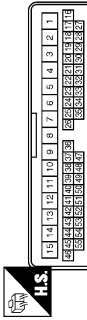
Terminal No.	40	R/W	Signal Name [Specification]
Color of Wire			

Connector No.	B503
Connector Name	PASSENGER SEAT CONTROL UNIT
Connector Type	NS16FW-CS



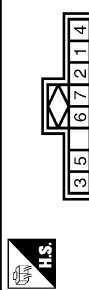
Terminal No.	40	R/W	Signal Name [Specification]
Color of Wire			BAT (FUSE)

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



Terminal No.	21	R	Signal Name [Specification]
Color of Wire			

Connector No.	D5
Connector Name	SEAT MEMORY SWITCH
Connector Type	A05FW



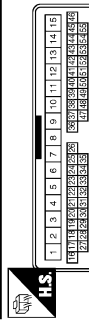
Terminal No.	5	R	Signal Name [Specification]
Color of Wire			

Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS06FW-M2



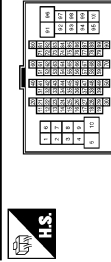
Terminal No.	7A	R	Signal Name [Specification]
Color of Wire			

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



Terminal No.	21	W	Signal Name [Specification]
Color of Wire			

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



Terminal No.	54	BR	Signal Name [Specification]
Color of Wire			

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE No. 10

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



33	34	35	36	37	38
40	41	42	44	46	48

Terminal No.	34	Color of Wire	V	Signal Name [Specification]	BAT (FUSE)
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Connector No.	M17
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS (P-TM)



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.	94	Color of Wire	O	Signal Name [Specification]	-
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Connector No.	M19
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	NS16FW-CS



4	5	6	7	8	9	10		
11	12	13	14	15	16	17	18	19

Terminal No.	11	Color of Wire	R	Signal Name [Specification]	BAT (FUSE)
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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

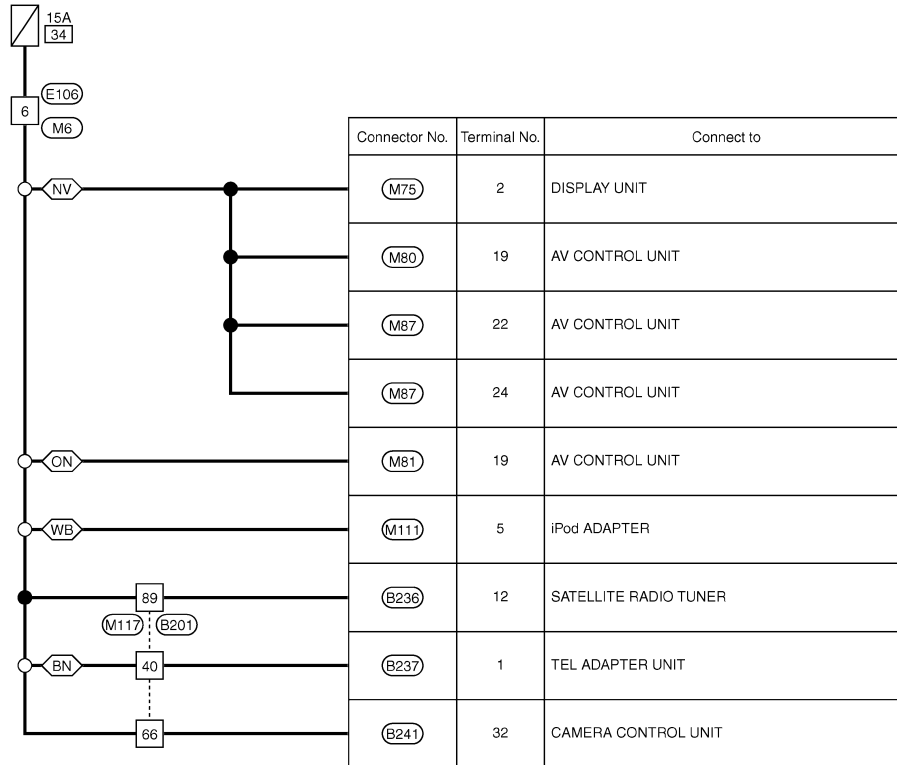
[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 34 -

INFOID:000000004372315

BATTERY POWER SUPPLY FUSE No. 34

- ◊WB◊ : With BOSE system
- ◊NV◊ : With NAVI
- ◊ON◊ : Without NAVI
- ◊BN◊ : With BOSE system without NAVI



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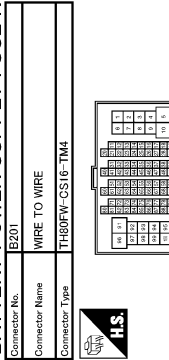
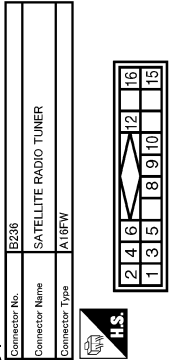
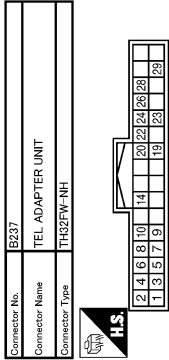
POWER SUPPLY ROUTING CIRCUIT


< DTC/CIRCUIT DIAGNOSIS >

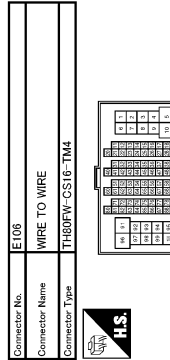
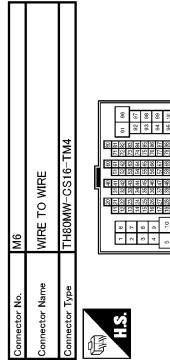
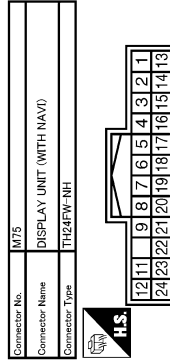
[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE No. 34

Connector No.	B201	Connector No.	B236	Connector No.	B241
Connector Name	WIRE TO WIRE	Connector Name	SATELLITE RADIO TUNER	Connector Name	CAMERA CONTROL UNIT
Connector Type	TH80FW-CS16-TM4	Connector Type	A18FN	Connector Type	TH32FW-NH
					
Terminal No.	40	Terminal No.	12	Terminal No.	32
Color of Wire	GR	Color of Wire	SB	Color of Wire	Y
Signal Name [Specification]	-	Signal Name [Specification]	BATTERY	Signal Name [Specification]	BATTERY
Terminal No.	66	Terminal No.	1	Terminal No.	19
Color of Wire	Y	Color of Wire	GR	Color of Wire	Y
Signal Name [Specification]	-	Signal Name [Specification]	BATTERY	Signal Name [Specification]	BATTERY
Terminal No.	88	Terminal No.	2	Terminal No.	2
Color of Wire	SB	Color of Wire	Y	Color of Wire	Y
Signal Name [Specification]	-	Signal Name [Specification]	BATTERY	Signal Name [Specification]	BATTERY



Connector No.	E108	Connector No.	M6	Connector No.	M75
Connector Name	WIRE TO WIRE	Connector Name	WIRE TO WIRE	Connector Name	DISPLAY UNIT (WITH NAVI)
Connector Type	TH80FW-CS16-TM4	Connector Type	TH80MW-CS16-TM4	Connector Type	TH42FPW-NH
					
Terminal No.	6	Terminal No.	6	Terminal No.	1
Color of Wire	Y	Color of Wire	Y	Color of Wire	Y
Signal Name [Specification]	-	Signal Name [Specification]	BATTERY	Signal Name [Specification]	BATTERY
Terminal No.	6	Terminal No.	1	Terminal No.	2
Color of Wire	Y	Color of Wire	Y	Color of Wire	Y
Signal Name [Specification]	-	Signal Name [Specification]	BATTERY	Signal Name [Specification]	BATTERY



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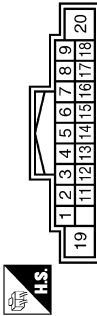
POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

BATTERY POWER SUPPLY FUSE No. 34

Connector No.	M81
Connector Name	AV CONTROL UNIT (WITHOUT NAVI)
Connector Type	TH18FW-GSZ



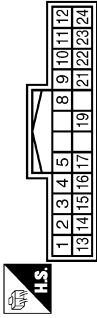
Terminal No.	19	Color of Wire	Y	Signal Name [Specification]	BATTERY
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Connector No.	M87
Connector Name	AV CONTROL UNIT (WITH NAVI)
Connector Type	TH40FW-NH



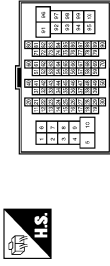
Terminal No.	22	Color of Wire	Y	Signal Name [Specification]	BATTERY
Terminal No.	24	Color of Wire	Y	Signal Name [Specification]	BATTERY

Connector No.	M111
Connector Name	iPod ADAPTER
Connector Type	TH24FW-NH



Terminal No.	5	Color of Wire	Y	Signal Name [Specification]	BATTERY
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Connector No.	M117
Connector Name	WIRE TO WIRE
Connector Type	TH80MH-GS/6-TM4



Terminal No.	40	Color of Wire	Y	Signal Name [Specification]	
Terminal No.	85	Color of Wire	Y	Signal Name [Specification]	
Terminal No.	89	Color of Wire	Y	Signal Name [Specification]	

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POWER SUPPLY ROUTING CIRCUIT

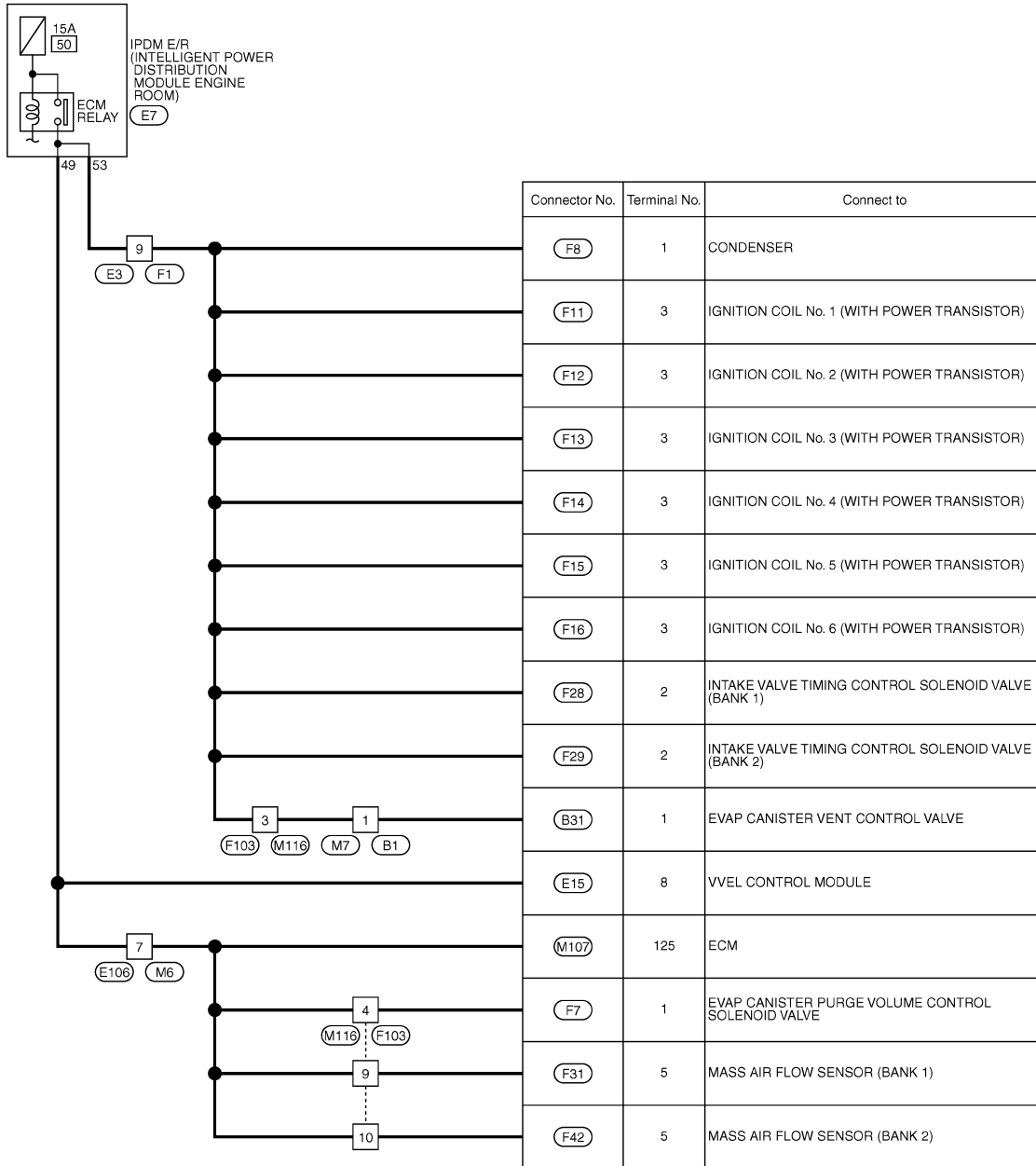
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 50 -

INFOID:000000004372316

BATTERY POWER SUPPLY FUSE No. 50



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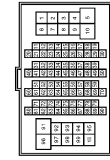
POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

BATTERY POWER SUPPLY FUSE No. 50

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



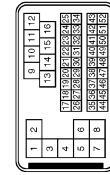
Terminal No.	1	W	Signal Name [Specification]
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Connector No.	E31
Connector Name	EVAP CANISTER VENT CONTROL VALVE
Connector Type	ED2FB-RS



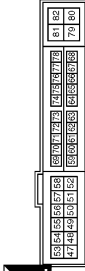
Terminal No.	1	W	Signal Name [Specification]
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Connector No.	E3
Connector Name	WIRE TO WIRE
Connector Type	SAA38FB-RSS-SH28



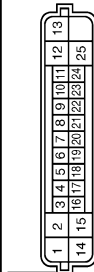
Terminal No.	9	W	Signal Name [Specification]
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Connector No.	E7
Connector Name	ENGINE INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	TH20FW-CS12-M4



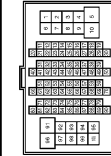
Terminal No.	49	O	Signal Name [Specification]
	53	W	

Connector No.	E15
Connector Name	VVEL CONTROL MODULE
Connector Type	RH18FB-AJ28-RH1



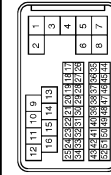
Terminal No.	8	O	Signal Name [Specification]
		VB	

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



Terminal No.	7	O	Signal Name [Specification]
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Connector No.	F1
Connector Name	WIRE TO WIRE
Connector Type	SAA38FB-RSS-SH28



Terminal No.	9	W	Signal Name [Specification]
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Connector No.	F7
Connector Name	EVAP CANISTER PURGE VOLUME CONTROL SOLENOID VALVE
Connector Type	ED2FL-RS-LGY



Terminal No.	1	R	Signal Name [Specification]
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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE No. 50

Connector No.	F8
Connector Name	CONDENSER
Connector Type	MO2EW-LC



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

Connector No.	F11
Connector Name	IGNITION COIL No. 1 (WITH POWER TRANSISTOR)
Connector Type	EO3FGY-RS



Terminal No.	3	W	—
Color of Wire	W	—	—
Signal Name [Specification]	—	—	—

Connector No.	F12
Connector Name	IGNITION COIL No. 2 (WITH POWER TRANSISTOR)
Connector Type	EO3FGY-RS



Terminal No.	3	W	—
Color of Wire	W	—	—
Signal Name [Specification]	—	—	—

Connector No.	F13
Connector Name	IGNITION COIL No. 3 (WITH POWER TRANSISTOR)
Connector Type	EO3FGY-RS



Terminal No.	3	W	—
Color of Wire	W	—	—
Signal Name [Specification]	—	—	—

Connector No.	F14
Connector Name	IGNITION COIL No. 4 (WITH POWER TRANSISTOR)
Connector Type	EO3FGY-RS



Terminal No.	3	W	—
Color of Wire	W	—	—
Signal Name [Specification]	—	—	—

Connector No.	F15
Connector Name	IGNITION COIL No. 5 (WITH POWER TRANSISTOR)
Connector Type	EO3FGY-RS



Terminal No.	3	W	—
Color of Wire	W	—	—
Signal Name [Specification]	—	—	—

Connector No.	F16
Connector Name	IGNITION COIL No. 6 (WITH POWER TRANSISTOR)
Connector Type	EO3FGY-RS



Terminal No.	3	W	—
Color of Wire	W	—	—
Signal Name [Specification]	—	—	—

Connector No.	F23
Connector Name	PLANE VALVE TIMING CONTROL SOLENOID VALVE BANK
Connector Type	EO2FG-RS-LGY



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

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

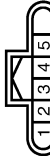
BATTERY POWER SUPPLY FUSE No. 50

Connector No.	F20
Connector Name	INTAKE VALVE TRIMM CONTROL SOLENOID VALVE (BANK 2)
Connector Type	E02FG-RS-L0Y



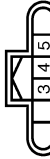
Terminal No.	2	R		Signal Name [Specification]
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Connector No.	F31
Connector Name	MASS AIR FLOW SENSOR (BANK 1)
Connector Type	RH08FB



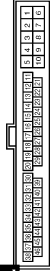
Terminal No.	5	Y		Signal Name [Specification]
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Connector No.	F42
Connector Name	MASS AIR FLOW SENSOR (BANK 2)
Connector Type	RH08FB



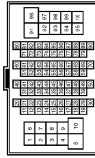
Terminal No.	5	GR		Signal Name [Specification]
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Connector No.	F103
Connector Name	WIRE TO WIRE
Connector Type	TK38FW-NS10



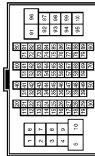
Terminal No.	3	W		Signal Name [Specification]
Terminal No.	4	R		
Terminal No.	9	Y		
Terminal No.	10	GR		

Connector No.	M8
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4



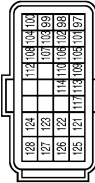
Terminal No.	7	R		Signal Name [Specification]
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Connector No.	M7
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4



Terminal No.	1	O		Signal Name [Specification]
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Connector No.	M107
Connector Name	ECM
Connector Type	FR24FGY-R28-R-LH-Z



Terminal No.	125	R		Signal Name [Specification]
Terminal No.				VBR

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



Terminal No.	3	O		Signal Name [Specification]
Terminal No.	4	R		
Terminal No.	9	R		
Terminal No.	10	R		

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POWER SUPPLY ROUTING CIRCUIT

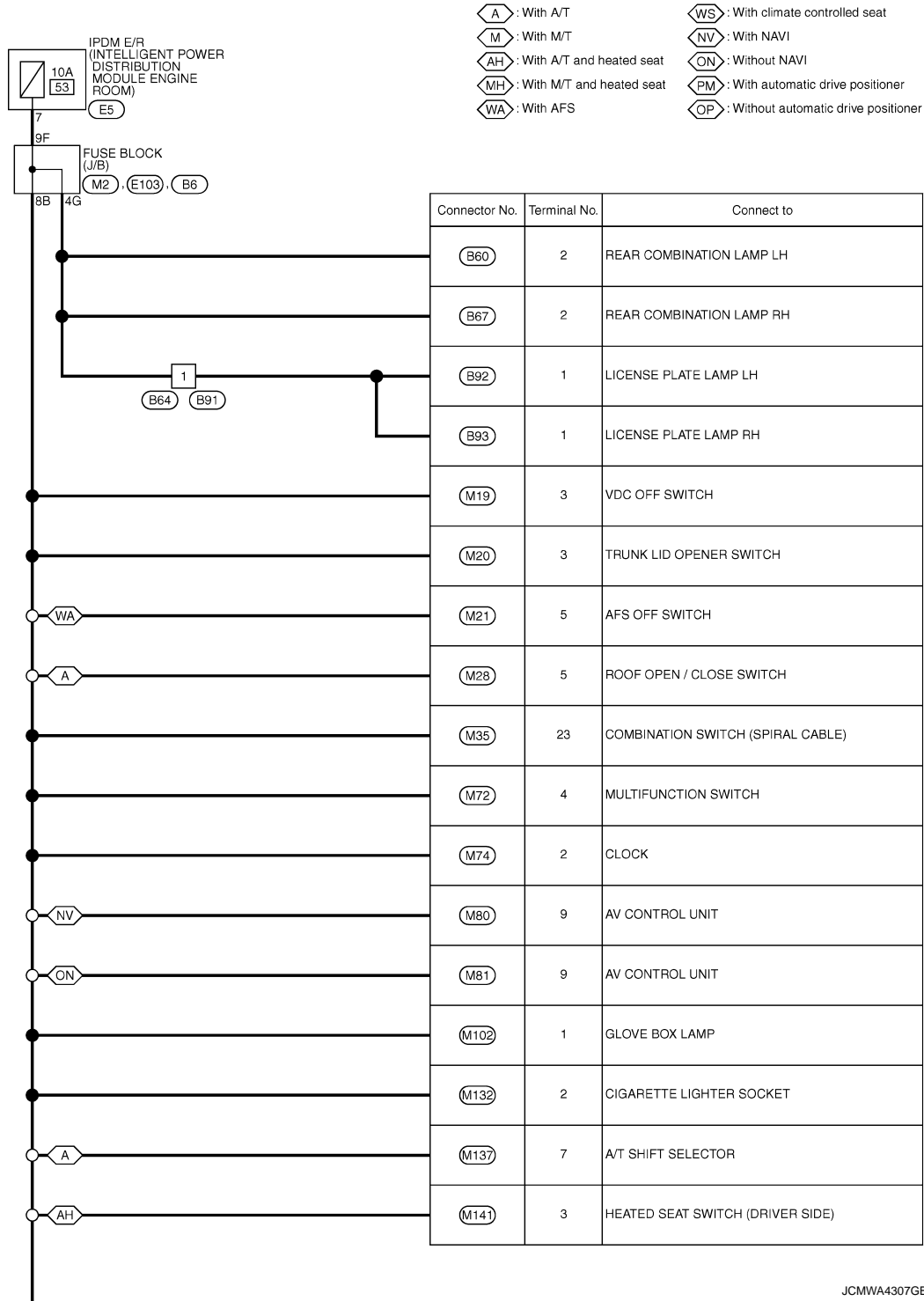
[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 53 -

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BATTERY POWER SUPPLY FUSE No. 53

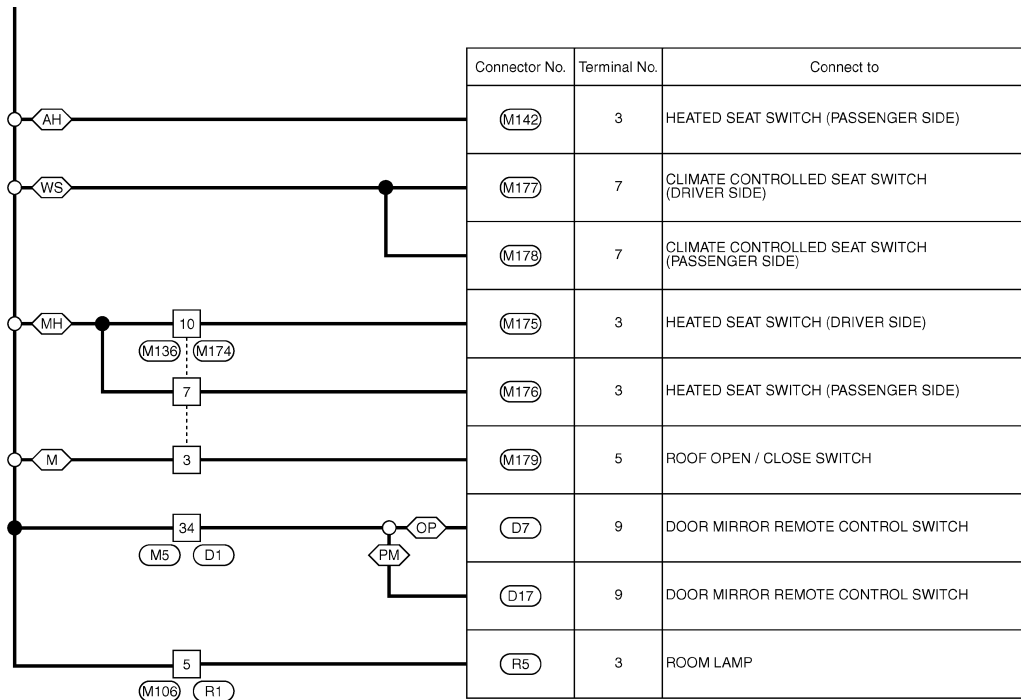


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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]



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2009/02/27

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

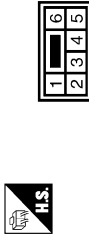
BATTERY POWER SUPPLY FUSE No. 53

Connector No.	B36
Connector Name	FUSE BLOCK (J/E)
Connector Type	NS12BFR-CS



Terminal No.	4G	R	Signal Name [Specification]
Color of Wire			

Connector No.	B60
Connector Name	REAR COMBINATION LAMP LH
Connector Type	NS08MW-CS



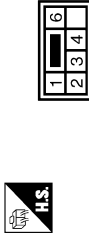
Terminal No.	2	R	Signal Name [Specification]
Color of Wire			

Connector No.	B64
Connector Name	WIRE TO WIRE
Connector Type	RK02EGY



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

Connector No.	B67
Connector Name	REAR COMBINATION LAMP RH
Connector Type	NS08MW-CS



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

Connector No.	B91
Connector Name	WIRE TO WIRE
Connector Type	RK02MGY



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

Connector No.	B92
Connector Name	LICENSE PLATE LAMP LH
Connector Type	RV02FBR



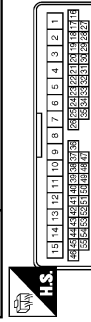
Terminal No.	1	R	Signal Name [Specification]
Color of Wire			

Connector No.	B93
Connector Name	LICENSE PLATE LAMP RH
Connector Type	RV02FBR



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

Connector No.	D1
Connector Name	WIRE TO WIRE
Connector Type	TH40PT-CS15



Terminal No.	34	R	Signal Name [Specification]
Color of Wire			

JCMWA4309GB

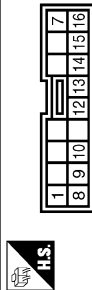
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

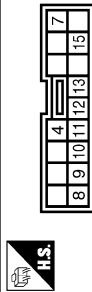
BATTERY POWER SUPPLY FUSE No. 53

Connector No.	D7
Connector Name	DATA MIRROR REMOTE CONTROL SWITCH (WITHOUT AUTOMATIC DRIVE POSITIONER)
Connector Type	TK16FW



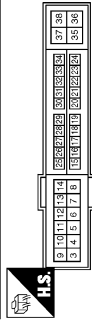
Terminal No.	9	R	—
Color of Wire			
Signal Name [Specification]			

Connector No.	D17
Connector Name	DATA MIRROR REMOTE CONTROL SWITCH (WITH AUTOMATIC DRIVE POSITIONER)
Connector Type	TK16FBR



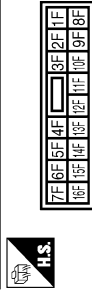
Terminal No.	9	R	—
Color of Wire			
Signal Name [Specification]			

Connector No.	E5
Connector Name	SMILE INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	TH20FW-CS1Z-M4-1V



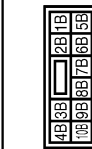
Terminal No.	7	R	—
Color of Wire			
Signal Name [Specification]			

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



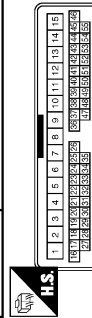
Terminal No.	9F	R	—
Color of Wire			
Signal Name [Specification]			

Connector No.	M2
Connector Name	FUSE BLOCK (J/B)
Connector Type	MS16FW-CS



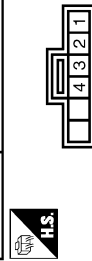
Terminal No.	8B	R	—
Color of Wire			
Signal Name [Specification]			

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



Terminal No.	34	G	—
Color of Wire			
Signal Name [Specification]			

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



Terminal No.	3	SD	—
Color of Wire			
Signal Name [Specification]			

Connector No.	M20
Connector Name	TRUNK LID OPENER SWITCH
Connector Type	TK04FW



Terminal No.	3	LG	—
Color of Wire			
Signal Name [Specification]			

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE No. 53

Connector No.	M21	Connector No.	M28	Connector No.	M35	Connector No.	M72
Connector Name	AFS OFF SWITCH	ROOF OPEN / CLOSE SWITCH (WITH A.T)	COMBINATION SWITCH (SPIRAL CABLE)	MULTIFUNCTION SWITCH			
Connector Type	TKG6FW-1V	TKG6FW-1V	TKG6FY-EX-IV	TKG6FW-NH			

Terminal No.	5	Terminal No.	5	Terminal No.	23	Terminal No.	4
Color of Wire	O	Color of Wire	R	Color of Wire	R	Color of Wire	O
Signal Name [Specification]	—	Signal Name [Specification]	—	Signal Name [Specification]	—	Signal Name [Specification]	ILL

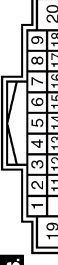
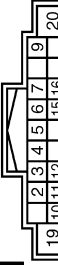
Terminal No.	2	Terminal No.	9	Terminal No.	9	Terminal No.	1
Color of Wire	L	Color of Wire	L	Color of Wire	L	Color of Wire	R
Signal Name [Specification]	ILLUMINATION (+)	Signal Name [Specification]	ILLUMINATION	Signal Name [Specification]	ILLUMINATION	Signal Name [Specification]	—



Connector No.	M74	Connector No.	M80	Connector No.	M81	Connector No.	M102
Connector Name	CLOCK	AV CONTROL UNIT (WITH NAVI)	AV CONTROL UNIT (WITH NAVI)	AV CONTROL UNIT (WITHOUT NAVI)			
Connector Type	TKG6FW-NH	TKH8FW-CSZ	TKH8FW-CSZ	TKH8FW-CSZ			

Terminal No.	5	Terminal No.	9	Terminal No.	9	Terminal No.	1
Color of Wire	O	Color of Wire	L	Color of Wire	L	Color of Wire	R
Signal Name [Specification]	—	Signal Name [Specification]	ILLUMINATION	Signal Name [Specification]	ILLUMINATION	Signal Name [Specification]	—

Terminal No.	2	Terminal No.	9	Terminal No.	9	Terminal No.	1
Color of Wire	L	Color of Wire	L	Color of Wire	L	Color of Wire	R
Signal Name [Specification]	ILLUMINATION (+)	Signal Name [Specification]	ILLUMINATION	Signal Name [Specification]	ILLUMINATION	Signal Name [Specification]	—



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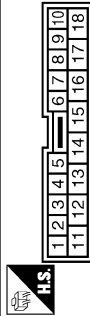
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE No. 53

Connector No.	M106
Connector Name	WIRE TO WIRE
Connector Type	TK10MF-NSB



Terminal No.	5	R	Signal Name [Specification]
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Connector No.	M132
Connector Name	CIGARETTE LIGHTER SOCKET
Connector Type	NS03FW-CS



Terminal No.	2	BR	Signal Name [Specification]
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Connector No.	M136
Connector Name	WIRE TO WIRE
Connector Type	TH24FW-NH



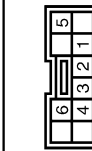
Terminal No.	3	R	Signal Name [Specification]
7	R		
10	R		

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



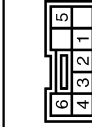
Terminal No.	7	Y	Signal Name [Specification]
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Connector No.	M141
Connector Name	HEATED SEAT SWITCH (DRIVER SIDE) (WITH A/T)
Connector Type	TK10FW



Terminal No.	3	R	Signal Name [Specification]
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Connector No.	M142
Connector Name	HEATED SEAT SWITCH (PASSENGER SIDE) (WITH A/T)
Connector Type	TK08FBR



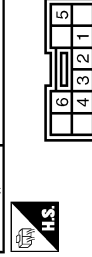
Terminal No.	3	R	Signal Name [Specification]
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Connector No.	M174
Connector Name	WIRE TO WIRE
Connector Type	TH24MF-NH



Terminal No.	3	R	Signal Name [Specification]
7	R		
10	O		

Connector No.	M175
Connector Name	HEATED SEAT SWITCH (DRIVER SIDE) (WITH M/T)
Connector Type	TK10FW



Terminal No.	3	O	Signal Name [Specification]
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JCMWA4312GB

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POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

BATTERY POWER SUPPLY FUSE No. 53

Connector No.	M176
Connector Name	HEATED SEAT SWITCH (PASSENGER SIDE) (WITH M/T)
Connector Type	TK08E8R



Terminal No.	3	R	—
Color of Wire			Signal Name [Specification]

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



Terminal No.	7	R	—
Color of Wire			Signal Name [Specification]

Connector No.	M178
Connector Name	CLIMATE CONTROLLED SEAT SWITCH (PASSENGER SIDE)
Connector Type	TK08E8R



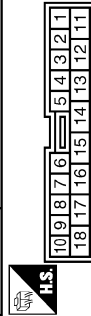
Terminal No.	7	R	—
Color of Wire			Signal Name [Specification]

Connector No.	M179
Connector Name	ROOF OPEN / CLOSE SWITCH (WITH M/T)
Connector Type	TK08FW-IV



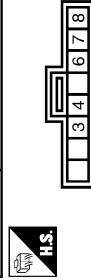
Terminal No.	5	R	—
Color of Wire			Signal Name [Specification]

Connector No.	R1
Connector Name	WIRE TO WIRE
Connector Type	TK10FW-NSB



Terminal No.	5	Y	—
Color of Wire			Signal Name [Specification]

Connector No.	RS
Connector Name	ROOM LAMP
Connector Type	TK08FGY



Terminal No.	3	Y	CONSOLE (L ^c)
Color of Wire			Signal Name [Specification]

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

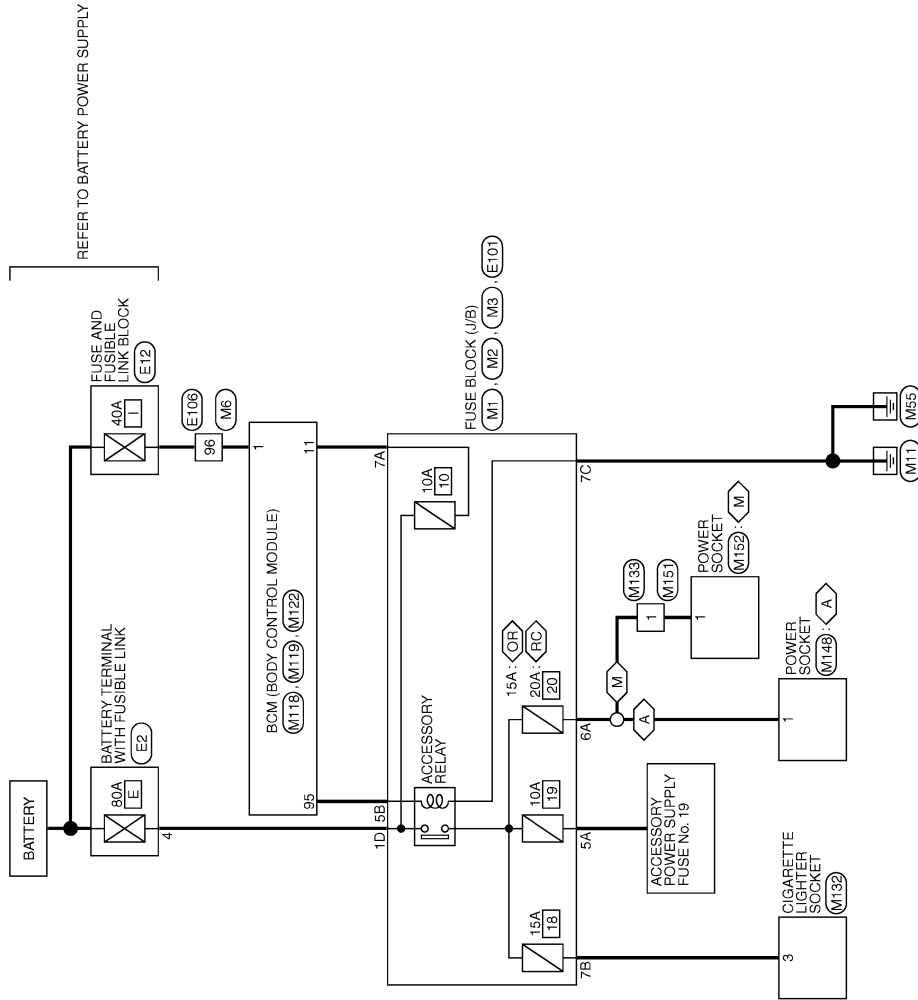
[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - ACCESSORY POWER SUPPLY -

INFOID:000000004372318

ACCESSORY POWER SUPPLY

- : With A/T
- : With M/T
- : Up to October 2009 production
- : From October 2009 production



2010/02/24

JCMWA5748GB

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

ACCESSORY POWER SUPPLY

Connector No.	E2
Connector Name	BATTERY TERMINAL WITH FUSIBLE LINK
Connector Type	L02FY-1MC



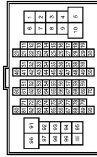
Terminal No.	4	Color of Wire	R	Signal Name [Specification]	
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Connector No.	E101
Connector Name	FUSE BLOCK (J/B)
Connector Type	L01FW-1MC



Terminal No.	ID	Color of Wire	R	Signal Name [Specification]	
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Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	T180FW-CS16-TM4



Terminal No.	96	Color of Wire	W	Signal Name [Specification]	
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Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS06FW-M2



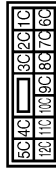
Terminal No.	5A	Color of Wire	L	Signal Name [Specification]	
	6A	Color of Wire	Y		
	7A	Color of Wire	R		

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



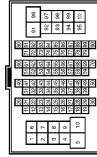
Terminal No.	5B	Color of Wire	O	Signal Name [Specification]	
	7B	Color of Wire	P		

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



Terminal No.	7C	Color of Wire	B	Signal Name [Specification]	
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Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	T180MW-CS16-TM4



Terminal No.	96	Color of Wire	W	Signal Name [Specification]	
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Connector No.	M118
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	M03FB-LC



Terminal No.	1	Color of Wire	W	Signal Name [Specification]	BAT (F/L)
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POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >


ACCESSORY POWER SUPPLY

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




Terminal No.	11	R	Signal Name [Specification]	BAT (FUSE)
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Connector No.	M122
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FB-1H1




Terminal No.	95	O	Signal Name [Specification]	ACC RELAY CONT
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Connector No.	M132
Connector Name	CIGARETTE LIGHTER SOCKET
Connector Type	NS303FW-CS




Terminal No.	3	P	Signal Name [Specification]	
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Connector No.	M133
Connector Name	WIRE TO WIRE
Connector Type	M02FB-LO




Terminal No.	1	Y	Signal Name [Specification]	
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Connector No.	M148
Connector Name	POWER SOCKET (WITH A/T)
Connector Type	P02FB-Z




Terminal No.	1	Y	Signal Name [Specification]	
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Connector No.	M151
Connector Name	WIRE TO WIRE
Connector Type	M02MB-P-LC



Terminal No.	1	R	Signal Name [Specification]	
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Connector No.	M152
Connector Name	POWER SOCKET (WITH M/T)
Connector Type	P02FB-Z



Terminal No.	1	R	Signal Name [Specification]	
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Connector No.	M153
Connector Name	WIRE TO WIRE
Connector Type	M02FB-LO



Terminal No.	1	Y	Signal Name [Specification]	
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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

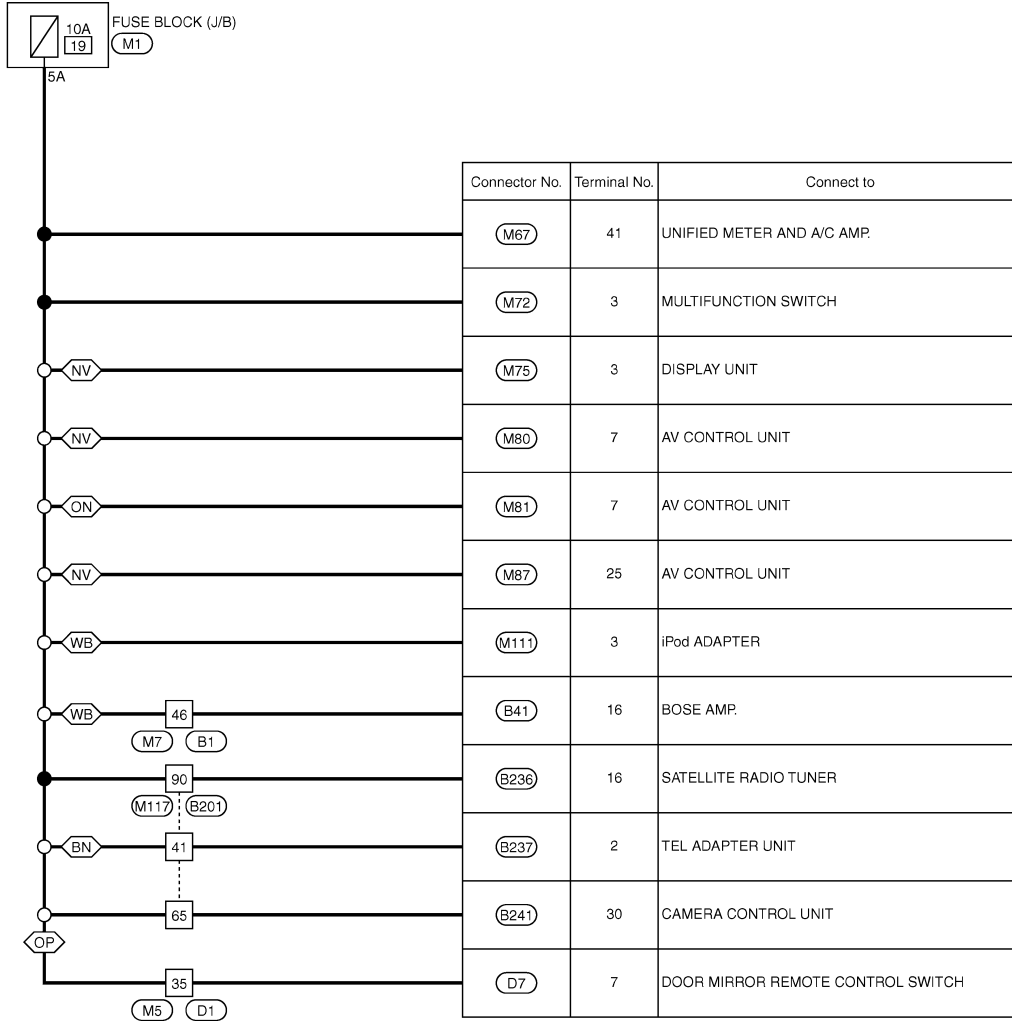
[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - ACCESSORY POWER SUPPLY FUSE No. 19 -

INFOID:000000004372319

ACCESSORY POWER SUPPLY FUSE No. 19

- ◻WB◻ : With BOSE system
- ◻NV◻ : With NAVI
- ◻ON◻ : Without NAVI
- ◻BN◻ : With BOSE system without NAVI
- ◻OP◻ : Without automatic drive positioner



2009/02/27

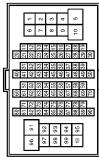
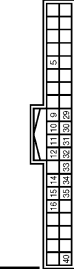
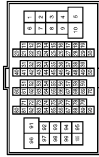

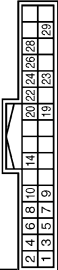



JCMWA4317GB

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

ACCESSORY POWER SUPPLY FUSE No. 19

<table border="1"> <tr><td>Connector No.</td><td>B1</td></tr> <tr><td>Connector Name</td><td>WIRE TO WIRE</td></tr> <tr><td>Connector Type</td><td>TH80FW-CS16-TM4</td></tr> </table> 	Connector No.	B1	Connector Name	WIRE TO WIRE	Connector Type	TH80FW-CS16-TM4	<table border="1"> <tr><td>Terminal No.</td><td>46</td></tr> <tr><td>Color of Wire</td><td>W</td></tr> <tr><td>Signal Name [Specification]</td><td>ACC</td></tr> </table>	Terminal No.	46	Color of Wire	W	Signal Name [Specification]	ACC												
Connector No.	B1																								
Connector Name	WIRE TO WIRE																								
Connector Type	TH80FW-CS16-TM4																								
Terminal No.	46																								
Color of Wire	W																								
Signal Name [Specification]	ACC																								
<table border="1"> <tr><td>Connector No.</td><td>B41</td></tr> <tr><td>Connector Name</td><td>BOSE AMP.</td></tr> <tr><td>Connector Type</td><td>TH40FW-NH</td></tr> </table> 	Connector No.	B41	Connector Name	BOSE AMP.	Connector Type	TH40FW-NH	<table border="1"> <tr><td>Terminal No.</td><td>16</td></tr> <tr><td>Color of Wire</td><td>W</td></tr> <tr><td>Signal Name [Specification]</td><td>ACC</td></tr> </table>	Terminal No.	16	Color of Wire	W	Signal Name [Specification]	ACC												
Connector No.	B41																								
Connector Name	BOSE AMP.																								
Connector Type	TH40FW-NH																								
Terminal No.	16																								
Color of Wire	W																								
Signal Name [Specification]	ACC																								
<table border="1"> <tr><td>Connector No.</td><td>B201</td></tr> <tr><td>Connector Name</td><td>WIRE TO WIRE</td></tr> <tr><td>Connector Type</td><td>TH80FW-CS16-TM4</td></tr> </table> 	Connector No.	B201	Connector Name	WIRE TO WIRE	Connector Type	TH80FW-CS16-TM4	<table border="1"> <tr><td>Terminal No.</td><td>41</td></tr> <tr><td>Color of Wire</td><td>LG</td></tr> <tr><td>Signal Name [Specification]</td><td>---</td></tr> <tr><td>Terminal No.</td><td>65</td></tr> <tr><td>Color of Wire</td><td>SB</td></tr> <tr><td>Signal Name [Specification]</td><td>---</td></tr> <tr><td>Terminal No.</td><td>90</td></tr> <tr><td>Color of Wire</td><td>V</td></tr> <tr><td>Signal Name [Specification]</td><td>---</td></tr> </table>	Terminal No.	41	Color of Wire	LG	Signal Name [Specification]	---	Terminal No.	65	Color of Wire	SB	Signal Name [Specification]	---	Terminal No.	90	Color of Wire	V	Signal Name [Specification]	---
Connector No.	B201																								
Connector Name	WIRE TO WIRE																								
Connector Type	TH80FW-CS16-TM4																								
Terminal No.	41																								
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Terminal No.	90																								
Color of Wire	V																								
Signal Name [Specification]	---																								
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Connector No.	B236																								
Connector Name	SATELLITE RADIO TUNER																								
Connector Type	A16FW																								
Terminal No.	16																								
Color of Wire	V																								
Signal Name [Specification]	ACC																								
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Connector No.	B227																								
Connector Name	TEL ADAPTER UNIT																								
Connector Type	TH52FW-NH																								
Terminal No.	2																								
Color of Wire	LG																								
Signal Name [Specification]	ACC																								
<table border="1"> <tr><td>Connector No.</td><td>B241</td></tr> <tr><td>Connector Name</td><td>CAMERA CONTROL UNIT</td></tr> <tr><td>Connector Type</td><td>TH52FW-NH</td></tr> </table> 	Connector No.	B241	Connector Name	CAMERA CONTROL UNIT	Connector Type	TH52FW-NH	<table border="1"> <tr><td>Terminal No.</td><td>30</td></tr> <tr><td>Color of Wire</td><td>SB</td></tr> <tr><td>Signal Name [Specification]</td><td>ACC</td></tr> </table>	Terminal No.	30	Color of Wire	SB	Signal Name [Specification]	ACC												
Connector No.	B241																								
Connector Name	CAMERA CONTROL UNIT																								
Connector Type	TH52FW-NH																								
Terminal No.	30																								
Color of Wire	SB																								
Signal Name [Specification]	ACC																								
<table border="1"> <tr><td>Connector No.</td><td>D7</td></tr> <tr><td>Connector Name</td><td>DOOR LOCK SWITCH (W/OUT LOCK) (W/OUT SW) (W/OUT SW) (W/OUT SW) (W/OUT SW)</td></tr> <tr><td>Connector Type</td><td>TK16FW</td></tr> </table> 	Connector No.	D7	Connector Name	DOOR LOCK SWITCH (W/OUT LOCK) (W/OUT SW) (W/OUT SW) (W/OUT SW) (W/OUT SW)	Connector Type	TK16FW	<table border="1"> <tr><td>Terminal No.</td><td>7</td></tr> <tr><td>Color of Wire</td><td>V</td></tr> <tr><td>Signal Name [Specification]</td><td>---</td></tr> </table>	Terminal No.	7	Color of Wire	V	Signal Name [Specification]	---												
Connector No.	D7																								
Connector Name	DOOR LOCK SWITCH (W/OUT LOCK) (W/OUT SW) (W/OUT SW) (W/OUT SW) (W/OUT SW)																								
Connector Type	TK16FW																								
Terminal No.	7																								
Color of Wire	V																								
Signal Name [Specification]	---																								
<table border="1"> <tr><td>Connector No.</td><td>D1</td></tr> <tr><td>Connector Name</td><td>WIRE TO WIRE</td></tr> <tr><td>Connector Type</td><td>TH40FW-CS15</td></tr> </table> 	Connector No.	D1	Connector Name	WIRE TO WIRE	Connector Type	TH40FW-CS15	<table border="1"> <tr><td>Terminal No.</td><td>35</td></tr> <tr><td>Color of Wire</td><td>V</td></tr> <tr><td>Signal Name [Specification]</td><td>---</td></tr> </table>	Terminal No.	35	Color of Wire	V	Signal Name [Specification]	---												
Connector No.	D1																								
Connector Name	WIRE TO WIRE																								
Connector Type	TH40FW-CS15																								
Terminal No.	35																								
Color of Wire	V																								
Signal Name [Specification]	---																								

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

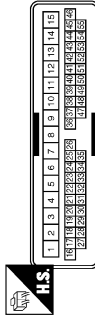
ACCESSORY POWER SUPPLY FUSE No. 19

Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS06FW-M2



Terminal No.	5A	L	Signal Name [Specification]	
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Connector No.	M5
Connector Name	WIRE TO WIRE
Connector Type	TH40MW-CS15



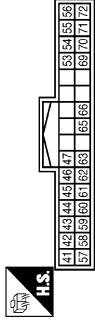
Terminal No.	35	Y	Signal Name [Specification]	
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Connector No.	M7
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4



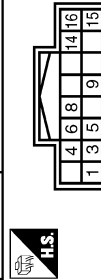
Terminal No.	46	V	Signal Name [Specification]	
Color of Wire		SB		
				-- [Without NAVI]
				-- [Without NAVI]

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



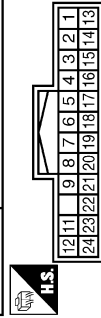
Terminal No.	41	L	Signal Name [Specification]	
Color of Wire				ACC POWER SUPPLY

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



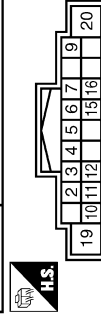
Terminal No.	3	L	Signal Name [Specification]	
Color of Wire				ACC

Connector No.	M75
Connector Name	DISPLAY UNIT (WITH NAVI)
Connector Type	TH24FW-NH



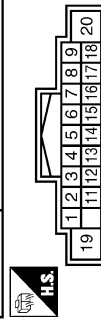
Terminal No.	3	LG	Signal Name [Specification]	
Color of Wire				ACC

Connector No.	M80
Connector Name	AV CONTROL UNIT (WITH NAVI)
Connector Type	TH18FW-CS2



Terminal No.	7	GR	Signal Name [Specification]	
Color of Wire				ACC

Connector No.	M81
Connector Name	AV CONTROL UNIT (WITHOUT NAVI)
Connector Type	TH18FW-CS2



Terminal No.	7	V	Signal Name [Specification]	
Color of Wire				ACC

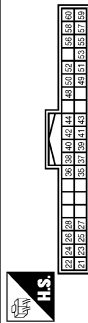
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

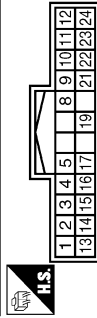
ACCESSORY POWER SUPPLY FUSE No. 19

Connector No.	M87
Connector Name	AV CONTROL UNIT (WITH NAVI)
Connector Type	TH06FW-NH



Terminal No.	25	Color of Wire	V	Signal Name [Specification]	ACC
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Connector No.	M111
Connector Name	iPod ADAPTER
Connector Type	TH24FW-NH



Terminal No.	3	Color of Wire	V	Signal Name [Specification]	ACC
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Connector No.	M117
Connector Name	WIRE TO WIRE
Connector Type	TH80MM-CS/8-TM4



Terminal No.	41	Color of Wire	G	Signal Name [Specification]	
	65		SB		
	90		W		

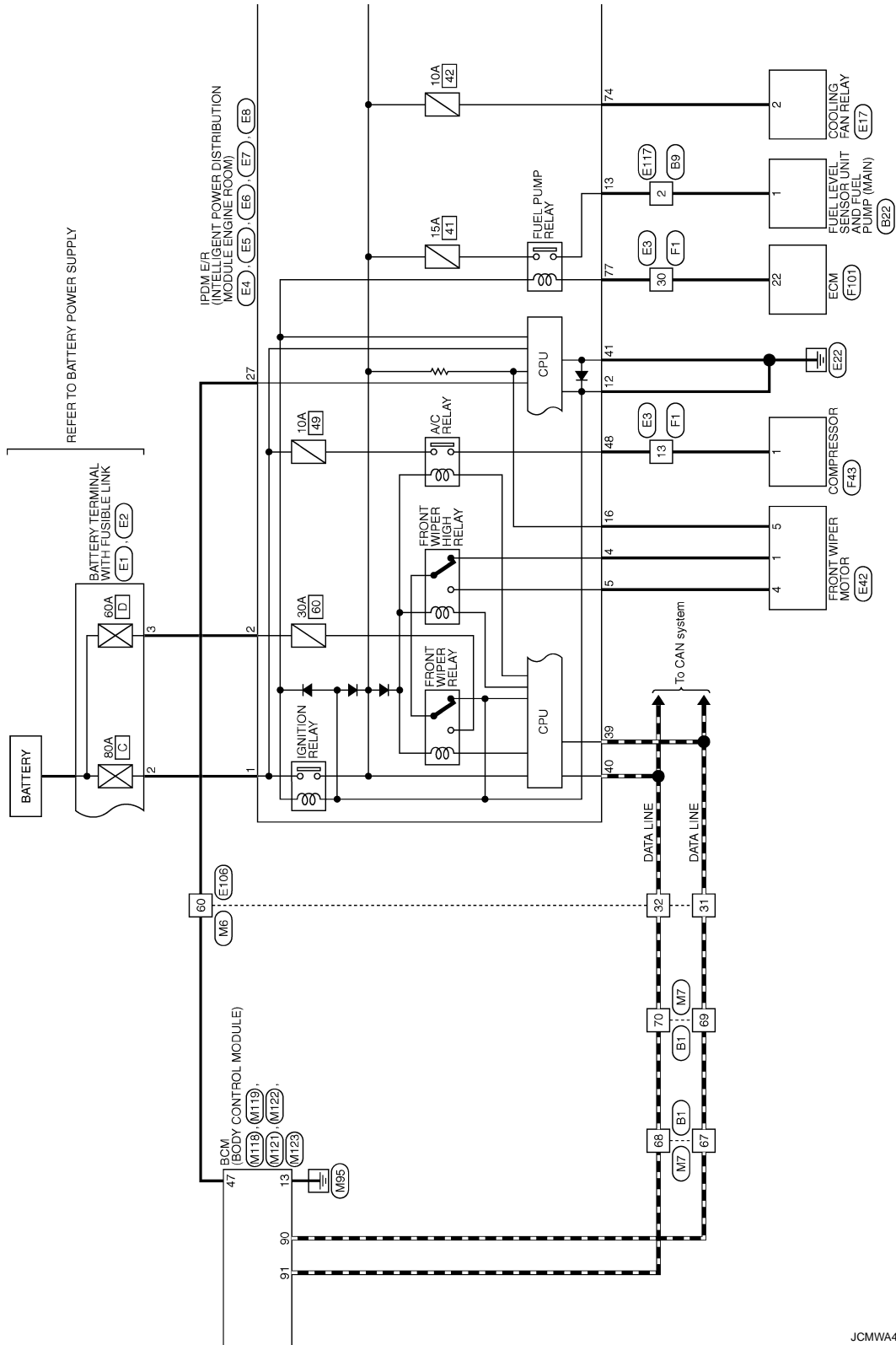
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POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >



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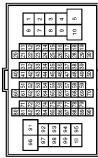




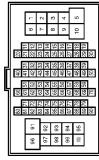
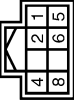

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY

<table border="1"> <tr><td>Connector No.</td><td>B1</td></tr> <tr><td>Connector Name</td><td>WIRE TO WIRE</td></tr> <tr><td>Connector Type</td><td>TH80FW-CS16-TM4</td></tr> </table> 	Connector No.	B1	Connector Name	WIRE TO WIRE	Connector Type	TH80FW-CS16-TM4	<table border="1"> <tr><td>Terminal No.</td><td>67</td></tr> <tr><td>Color of Wire</td><td>P</td></tr> <tr><td>Signal Name [Specification]</td><td>-</td></tr> <tr><td>Terminal No.</td><td>68</td></tr> <tr><td>Color of Wire</td><td>L</td></tr> <tr><td>Signal Name [Specification]</td><td>-</td></tr> <tr><td>Terminal No.</td><td>69</td></tr> <tr><td>Color of Wire</td><td>P</td></tr> <tr><td>Signal Name [Specification]</td><td>-</td></tr> <tr><td>Terminal No.</td><td>70</td></tr> <tr><td>Color of Wire</td><td>L</td></tr> <tr><td>Signal Name [Specification]</td><td>-</td></tr> </table>	Terminal No.	67	Color of Wire	P	Signal Name [Specification]	-	Terminal No.	68	Color of Wire	L	Signal Name [Specification]	-	Terminal No.	69	Color of Wire	P	Signal Name [Specification]	-	Terminal No.	70	Color of Wire	L	Signal Name [Specification]	-
Connector No.	B1																														
Connector Name	WIRE TO WIRE																														
Connector Type	TH80FW-CS16-TM4																														
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Terminal No.	70																														
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Signal Name [Specification]	-																														
<table border="1"> <tr><td>Connector No.</td><td>B6</td></tr> <tr><td>Connector Name</td><td>FUSE BLOCK (J/B)</td></tr> <tr><td>Connector Type</td><td>NS12FBR-CS</td></tr> </table> 	Connector No.	B6	Connector Name	FUSE BLOCK (J/B)	Connector Type	NS12FBR-CS	<table border="1"> <tr><td>Terminal No.</td><td>10G</td></tr> <tr><td>Color of Wire</td><td>P</td></tr> <tr><td>Signal Name [Specification]</td><td>-</td></tr> <tr><td>Terminal No.</td><td>11G</td></tr> <tr><td>Color of Wire</td><td>G</td></tr> <tr><td>Signal Name [Specification]</td><td>-</td></tr> </table>	Terminal No.	10G	Color of Wire	P	Signal Name [Specification]	-	Terminal No.	11G	Color of Wire	G	Signal Name [Specification]	-												
Connector No.	B6																														
Connector Name	FUSE BLOCK (J/B)																														
Connector Type	NS12FBR-CS																														
Terminal No.	10G																														
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Signal Name [Specification]	-																														
Terminal No.	11G																														
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Signal Name [Specification]	-																														
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Connector No.	B9																														
Connector Name	WIRE TO WIRE																														
Connector Type	TM86FW-LC																														
Terminal No.	2																														
Color of Wire	L																														
Signal Name [Specification]	-																														
<table border="1"> <tr><td>Connector No.</td><td>B22</td></tr> <tr><td>Connector Name</td><td>FUEL LEVEL SENSOR UNIT AND FUEL PUMP (MAIN)</td></tr> <tr><td>Connector Type</td><td>EG5FY-RS</td></tr> </table> 	Connector No.	B22	Connector Name	FUEL LEVEL SENSOR UNIT AND FUEL PUMP (MAIN)	Connector Type	EG5FY-RS	<table border="1"> <tr><td>Terminal No.</td><td>1</td></tr> <tr><td>Color of Wire</td><td>L</td></tr> <tr><td>Signal Name [Specification]</td><td>-</td></tr> </table>	Terminal No.	1	Color of Wire	L	Signal Name [Specification]	-																		
Connector No.	B22																														
Connector Name	FUEL LEVEL SENSOR UNIT AND FUEL PUMP (MAIN)																														
Connector Type	EG5FY-RS																														
Terminal No.	1																														
Color of Wire	L																														
Signal Name [Specification]	-																														
<table border="1"> <tr><td>Connector No.</td><td>B21</td></tr> <tr><td>Connector Name</td><td>RETRACTABLE HARD TOP CONTROL UNIT</td></tr> <tr><td>Connector Type</td><td>NS16FW-CS</td></tr> </table> 	Connector No.	B21	Connector Name	RETRACTABLE HARD TOP CONTROL UNIT	Connector Type	NS16FW-CS	<table border="1"> <tr><td>Terminal No.</td><td>63</td></tr> <tr><td>Color of Wire</td><td>G</td></tr> <tr><td>Signal Name [Specification]</td><td>REAR WINDOW DEF IN 2</td></tr> <tr><td>Terminal No.</td><td>64</td></tr> <tr><td>Color of Wire</td><td>P</td></tr> <tr><td>Signal Name [Specification]</td><td>REAR WINDOW DEF IN 1</td></tr> </table>	Terminal No.	63	Color of Wire	G	Signal Name [Specification]	REAR WINDOW DEF IN 2	Terminal No.	64	Color of Wire	P	Signal Name [Specification]	REAR WINDOW DEF IN 1												
Connector No.	B21																														
Connector Name	RETRACTABLE HARD TOP CONTROL UNIT																														
Connector Type	NS16FW-CS																														
Terminal No.	63																														
Color of Wire	G																														
Signal Name [Specification]	REAR WINDOW DEF IN 2																														
Terminal No.	64																														
Color of Wire	P																														
Signal Name [Specification]	REAR WINDOW DEF IN 1																														
<table border="1"> <tr><td>Connector No.</td><td>B20</td></tr> <tr><td>Connector Name</td><td>WIRE TO WIRE</td></tr> <tr><td>Connector Type</td><td>TH80FW-CS16-TM4</td></tr> </table> 	Connector No.	B20	Connector Name	WIRE TO WIRE	Connector Type	TH80FW-CS16-TM4	<table border="1"> <tr><td>Terminal No.</td><td>6</td></tr> <tr><td>Color of Wire</td><td>R</td></tr> <tr><td>Signal Name [Specification]</td><td>-</td></tr> </table>	Terminal No.	6	Color of Wire	R	Signal Name [Specification]	-																		
Connector No.	B20																														
Connector Name	WIRE TO WIRE																														
Connector Type	TH80FW-CS16-TM4																														
Terminal No.	6																														
Color of Wire	R																														
Signal Name [Specification]	-																														
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Connector No.	B21.4																														
Connector Name	OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT																														
Connector Type	TH86FW-NH																														
Terminal No.	4																														
Color of Wire	R																														
Signal Name [Specification]	IGN																														
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Connector No.	D1																														
Connector Name	WIRE TO WIRE																														
Connector Type	TH46FW-CS15																														
Terminal No.	52																														
Color of Wire	L																														
Signal Name [Specification]	-																														

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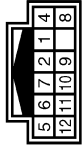
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]


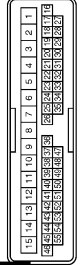
IGNITION POWER SUPPLY

Connector No.	D3
Connector Name	DOOR MIRROR (DRIVER SIDE)
Connector Type	TH12MW-NH



Terminal No.	4	L	—
Color of Wire	L	—	—
Signal Name [Specification]			

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



Terminal No.	52	L	—
Color of Wire	L	—	—
Signal Name [Specification]			

Connector No.	D33
Connector Name	DOOR MIRROR (PASSENGER SIDE)
Connector Type	TH12MW-NH



Terminal No.	4	L	—
Color of Wire	L	—	—
Signal Name [Specification]			

Connector No.	E1
Connector Name	BATTERY TERMINAL WITH FUSIBLE LINK
Connector Type	LO2FB-MC


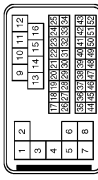
Terminal No.	2	W	—
Color of Wire	W	—	—
Signal Name [Specification]			

Connector No.	E2
Connector Name	BATTERY TERMINAL WITH FUSIBLE LINK
Connector Type	LO2FGY-MC



Terminal No.	3	L	R
Color of Wire	L	R	—
Signal Name [Specification]			

Connector No.	E3
Connector Name	WIRE TO WIRE
Connector Type	SA438MB-RSS-SH2B


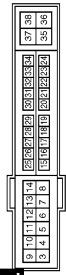
Terminal No.	13	BR	—
Color of Wire	BR	G	—
Signal Name [Specification]			
Terminal No.	14	G	—
Color of Wire	G	LG	—
Signal Name [Specification]			
Terminal No.	16	LG	—
Color of Wire	LG	P	—
Signal Name [Specification]			
Terminal No.	17	P	—
Color of Wire	P	R	—
Signal Name [Specification]			
Terminal No.	30	R	—
Color of Wire	R	—	—
Signal Name [Specification]			

Connector No.	E4
Connector Name	WIRE WITH ILLUENT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	LO2FB-MC

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

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

Terminal No.	4	V	—
Color of Wire	V	—	—
Signal Name [Specification]			
Terminal No.	5	L	—
Color of Wire	L	—	—
Signal Name [Specification]			
Terminal No.	12	B/W	—
Color of Wire	B/W	—	—
Signal Name [Specification]			
Terminal No.	13	Y	—
Color of Wire	Y	—	—
Signal Name [Specification]			
Terminal No.	16	LG	—
Color of Wire	LG	—	—
Signal Name [Specification]			
Terminal No.	19	W	—
Color of Wire	W	—	—
Signal Name [Specification]			
Terminal No.	25	G	—
Color of Wire	G	—	—
Signal Name [Specification]			
Terminal No.	26	R	—
Color of Wire	R	—	—
Signal Name [Specification]			
Terminal No.	27	O	—
Color of Wire	O	—	—
Signal Name [Specification]			

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY

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



Terminal No.	Color of Wire	Signal Name [Specification]
38	P	-
40	L	-
41	B/W	-

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



Terminal No.	Color of Wire	Signal Name [Specification]
48	BR	-
51	Y	-
56	LG	-
57	G	-
58	R	-
73	P	-
74	G	-
77	R	-

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



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

Connector No.	E17
Connector Name	COOLING FAN RELAY
Connector Type	24347_9F500



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

Connector No.	E31
Connector Name	WASHER PUMP
Connector Type	E07FY-RS



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

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



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

Connector No.	E67
Connector Name	ICC SENSOR INTEGRATED UNIT
Connector Type	RS05FB-PR



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

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



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

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

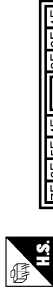
IGNITION POWER SUPPLY

Connector No.	E102
Connector Name	FUSE BLOCK (J/B)
Connector Type	M02EB-LC



Terminal No.	1E	G	Signal Name [Specification]	-
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Connector No.	E103
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS16FW-CS



Terminal No.	4F	G	Signal Name [Specification]	-
Terminal No.	6F	BR	Signal Name [Specification]	-

Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	1H80FW-CS (6-TM4)



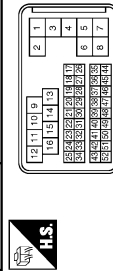
Terminal No.	1	R	Signal Name [Specification]	-
Terminal No.	31	P	Signal Name [Specification]	-
Terminal No.	32	L	Signal Name [Specification]	-
Terminal No.	60	O	Signal Name [Specification]	-
Terminal No.	68	BR	Signal Name [Specification]	-
Terminal No.	96	W	Signal Name [Specification]	-

Connector No.	E117
Connector Name	WIRE TO WIRE
Connector Type	M06MW-LC



Terminal No.	2	Y	Signal Name [Specification]	-
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Connector No.	F1
Connector Name	WIRE TO WIRE
Connector Type	SAASFB-RSS-SH2B



Terminal No.	13	L	Signal Name [Specification]	-
Terminal No.	14	LG	Signal Name [Specification]	-
Terminal No.	16	Y	Signal Name [Specification]	-
Terminal No.	17	W	Signal Name [Specification]	-
Terminal No.	30	R	Signal Name [Specification]	-

Connector No.	F3
Connector Name	AIR FUEL RATIO (A/F) SENSOR 1 (BANK 1)
Connector Type	AF204FDGY



Terminal No.	4	Y	Signal Name [Specification]	-
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Connector No.	F20
Connector Name	AIR FUEL RATIO (A/F) SENSOR 1 (BANK 2)
Connector Type	AF204FDGY



Terminal No.	4	Y	Signal Name [Specification]	-
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Connector No.	F43
Connector Name	COMPRESSOR
Connector Type	RS07FB



Terminal No.	1	L	Signal Name [Specification]	-
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JCMWA4327GB

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY

Connector No.	Connector Name	Connector Type	Terminal No.	Color of Wire	Signal Name [Specification]
F51	A/T ASSEMBLY	RK0FG-D0Y	1	Y	
			6	Y	
F52	PARK / NEUTRAL POSITION SWITCH	RK0ZFB	2	W	
F53	HEATED OXYGEN SENSOR 2 (BANK 2)	AFZ0FB	2	LG	
F54	HEATED OXYGEN SENSOR 2 (BANK 1)	AFZ04FB	2	R	
F55					
F101	ECM	RH0FB-R2B-L-LH-Z	22	R	FPR
F103	WIRE TO WIRE	TK66FW-NS10	45	Y	
F157	TOM (TRANSMISSION CONTROL MODULE)	SP10FG	1	W	VIGN
			6	GR	VIGN
M1	FUSE BLOCK (J/B)	NS06FW-M2	2A	G	
			3A	L	
			7A	R	
			8A	L	

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY

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



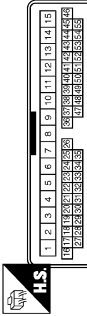
Terminal No.	Color of Wire	Signal Name [Specification]
4B	G	-

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



Terminal No.	Color of Wire	Signal Name [Specification]
6C	R	-
7C	B	-
8C	W	-
9C	O	-
10C	L	-
11C	LG	-
12C	R	-

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



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

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



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
31	P	-
32	L	-
60	Y	-
68	O	-
96	W	-

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



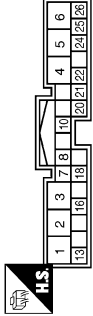
Terminal No.	Color of Wire	Signal Name [Specification]
67	P	-
68	L	-
69	P	-
70	L	-

Connector No.	M109
Connector Name	BLOWER MOTOR
Connector Type	NS30FW-M3



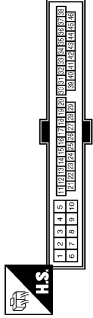
Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-

Connector No.	M110
Connector Name	PRE-CRASH SEAT BELT CONTROL UNIT
Connector Type	TH20FW-TB6



Terminal No.	Color of Wire	Signal Name [Specification]
13	W	IGN

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



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

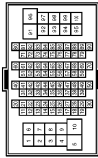


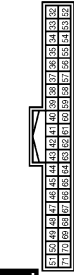
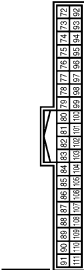
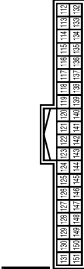
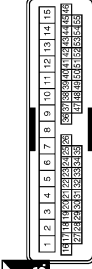
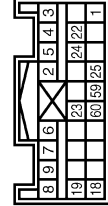
JCMWA4329GB

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY

<table border="1"> <tr><td>Connector No.</td><td>M117</td></tr> <tr><td>Connector Name</td><td>WIRE TO WIRE</td></tr> <tr><td>Connector Type</td><td>TH8DMW-CS16-TM4</td></tr> </table> 	Connector No.	M117	Connector Name	WIRE TO WIRE	Connector Type	TH8DMW-CS16-TM4	<table border="1"> <tr><td>Terminal No.</td><td>6</td></tr> <tr><td>Color of Wire</td><td>R</td></tr> <tr><td>Signal Name [Specification]</td><td>-</td></tr> </table>	Terminal No.	6	Color of Wire	R	Signal Name [Specification]	-									
Connector No.	M117																					
Connector Name	WIRE TO WIRE																					
Connector Type	TH8DMW-CS16-TM4																					
Terminal No.	6																					
Color of Wire	R																					
Signal Name [Specification]	-																					
<table border="1"> <tr><td>Connector No.</td><td>M118</td></tr> <tr><td>Connector Name</td><td>BCM (BODY CONTROL MODULE)</td></tr> <tr><td>Connector Type</td><td>IM3FB-LC</td></tr> </table> 	Connector No.	M118	Connector Name	BCM (BODY CONTROL MODULE)	Connector Type	IM3FB-LC	<table border="1"> <tr><td>Terminal No.</td><td>1</td></tr> <tr><td>Color of Wire</td><td>W</td></tr> <tr><td>Signal Name [Specification]</td><td>BAT (E/L)</td></tr> </table>	Terminal No.	1	Color of Wire	W	Signal Name [Specification]	BAT (E/L)									
Connector No.	M118																					
Connector Name	BCM (BODY CONTROL MODULE)																					
Connector Type	IM3FB-LC																					
Terminal No.	1																					
Color of Wire	W																					
Signal Name [Specification]	BAT (E/L)																					
<table border="1"> <tr><td>Connector No.</td><td>M119</td></tr> <tr><td>Connector Name</td><td>BCM (BODY CONTROL MODULE)</td></tr> <tr><td>Connector Type</td><td>NS16FW-CS</td></tr> </table> 	Connector No.	M119	Connector Name	BCM (BODY CONTROL MODULE)	Connector Type	NS16FW-CS	<table border="1"> <tr><td>Terminal No.</td><td>11</td></tr> <tr><td>Color of Wire</td><td>R</td></tr> <tr><td>Signal Name [Specification]</td><td>BAT (FUSE)</td></tr> <tr><td></td><td>B</td></tr> <tr><td></td><td>GND</td></tr> </table>	Terminal No.	11	Color of Wire	R	Signal Name [Specification]	BAT (FUSE)		B		GND					
Connector No.	M119																					
Connector Name	BCM (BODY CONTROL MODULE)																					
Connector Type	NS16FW-CS																					
Terminal No.	11																					
Color of Wire	R																					
Signal Name [Specification]	BAT (FUSE)																					
	B																					
	GND																					
<table border="1"> <tr><td>Connector No.</td><td>M121</td></tr> <tr><td>Connector Name</td><td>BCM (BODY CONTROL MODULE)</td></tr> <tr><td>Connector Type</td><td>TH4FGY-NH</td></tr> </table> 	Connector No.	M121	Connector Name	BCM (BODY CONTROL MODULE)	Connector Type	TH4FGY-NH	<table border="1"> <tr><td>Terminal No.</td><td>47</td></tr> <tr><td>Color of Wire</td><td>Y</td></tr> <tr><td>Signal Name [Specification]</td><td>IGN RELAY (PDM E/R) CONT</td></tr> </table>	Terminal No.	47	Color of Wire	Y	Signal Name [Specification]	IGN RELAY (PDM E/R) CONT									
Connector No.	M121																					
Connector Name	BCM (BODY CONTROL MODULE)																					
Connector Type	TH4FGY-NH																					
Terminal No.	47																					
Color of Wire	Y																					
Signal Name [Specification]	IGN RELAY (PDM E/R) CONT																					
<table border="1"> <tr><td>Connector No.</td><td>M122</td></tr> <tr><td>Connector Name</td><td>BCM (BODY CONTROL MODULE)</td></tr> <tr><td>Connector Type</td><td>TH4UFB-NH</td></tr> </table> 	Connector No.	M122	Connector Name	BCM (BODY CONTROL MODULE)	Connector Type	TH4UFB-NH	<table border="1"> <tr><td>Terminal No.</td><td>82</td></tr> <tr><td>Color of Wire</td><td>R</td></tr> <tr><td>Signal Name [Specification]</td><td>IGN RELAY (FZB) CONT</td></tr> <tr><td>90</td><td>P</td><td>CAN-L</td></tr> <tr><td>91</td><td>L</td><td>CAN-H</td></tr> <tr><td>102</td><td>O</td><td>BLOWER FAN MOTOR RELAY CONT</td></tr> </table>	Terminal No.	82	Color of Wire	R	Signal Name [Specification]	IGN RELAY (FZB) CONT	90	P	CAN-L	91	L	CAN-H	102	O	BLOWER FAN MOTOR RELAY CONT
Connector No.	M122																					
Connector Name	BCM (BODY CONTROL MODULE)																					
Connector Type	TH4UFB-NH																					
Terminal No.	82																					
Color of Wire	R																					
Signal Name [Specification]	IGN RELAY (FZB) CONT																					
90	P	CAN-L																				
91	L	CAN-H																				
102	O	BLOWER FAN MOTOR RELAY CONT																				
<table border="1"> <tr><td>Connector No.</td><td>M123</td></tr> <tr><td>Connector Name</td><td>BCM (BODY CONTROL MODULE)</td></tr> <tr><td>Connector Type</td><td>TH4UFG-NH</td></tr> </table> 	Connector No.	M123	Connector Name	BCM (BODY CONTROL MODULE)	Connector Type	TH4UFG-NH	<table border="1"> <tr><td>Terminal No.</td><td>151</td></tr> <tr><td>Color of Wire</td><td>G</td></tr> <tr><td>Signal Name [Specification]</td><td>REAR WINDOW DEFOGGER RELAY COUNT</td></tr> </table>	Terminal No.	151	Color of Wire	G	Signal Name [Specification]	REAR WINDOW DEFOGGER RELAY COUNT									
Connector No.	M123																					
Connector Name	BCM (BODY CONTROL MODULE)																					
Connector Type	TH4UFG-NH																					
Terminal No.	151																					
Color of Wire	G																					
Signal Name [Specification]	REAR WINDOW DEFOGGER RELAY COUNT																					
<table border="1"> <tr><td>Connector No.</td><td>M124</td></tr> <tr><td>Connector Name</td><td>WIRE TO WIRE</td></tr> <tr><td>Connector Type</td><td>TH4DMW-CS15</td></tr> </table> 	Connector No.	M124	Connector Name	WIRE TO WIRE	Connector Type	TH4DMW-CS15	<table border="1"> <tr><td>Terminal No.</td><td>52</td></tr> <tr><td>Color of Wire</td><td>O</td></tr> <tr><td>Signal Name [Specification]</td><td>-</td></tr> </table>	Terminal No.	52	Color of Wire	O	Signal Name [Specification]	-									
Connector No.	M124																					
Connector Name	WIRE TO WIRE																					
Connector Type	TH4DMW-CS15																					
Terminal No.	52																					
Color of Wire	O																					
Signal Name [Specification]	-																					
<table border="1"> <tr><td>Connector No.</td><td>M147</td></tr> <tr><td>Connector Name</td><td>AIR BAG DIAGNOSIS SENSOR UNIT</td></tr> <tr><td>Connector Type</td><td>NH28FY-EX</td></tr> </table> 	Connector No.	M147	Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT	Connector Type	NH28FY-EX	<table border="1"> <tr><td>Terminal No.</td><td>1</td></tr> <tr><td>Color of Wire</td><td>LG</td></tr> <tr><td>Signal Name [Specification]</td><td>IGN</td></tr> </table>	Terminal No.	1	Color of Wire	LG	Signal Name [Specification]	IGN									
Connector No.	M147																					
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT																					
Connector Type	NH28FY-EX																					
Terminal No.	1																					
Color of Wire	LG																					
Signal Name [Specification]	IGN																					

JCMWA4330GB

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POWER SUPPLY ROUTING CIRCUIT

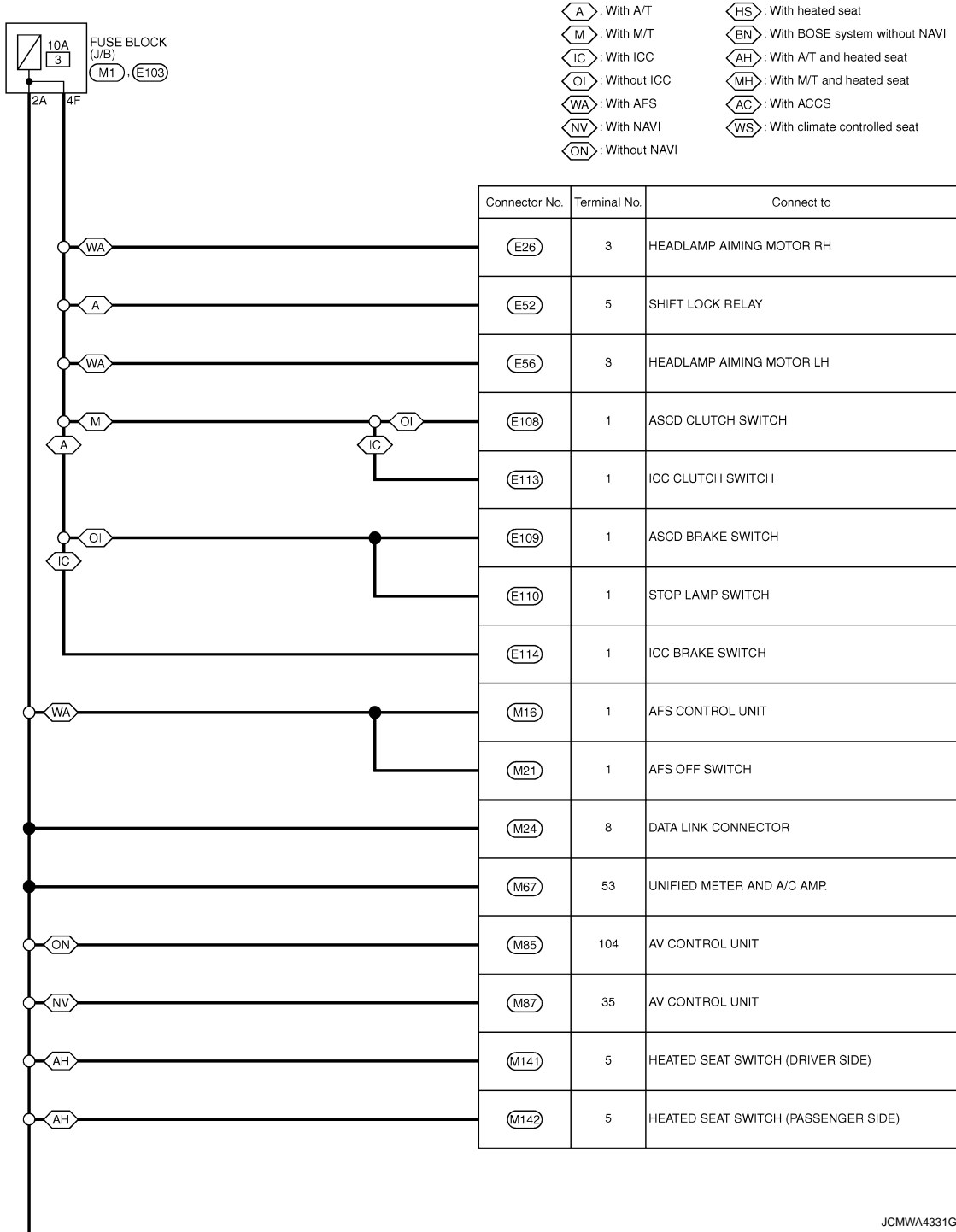
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 3 -

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IGNITION POWER SUPPLY FUSE No. 3

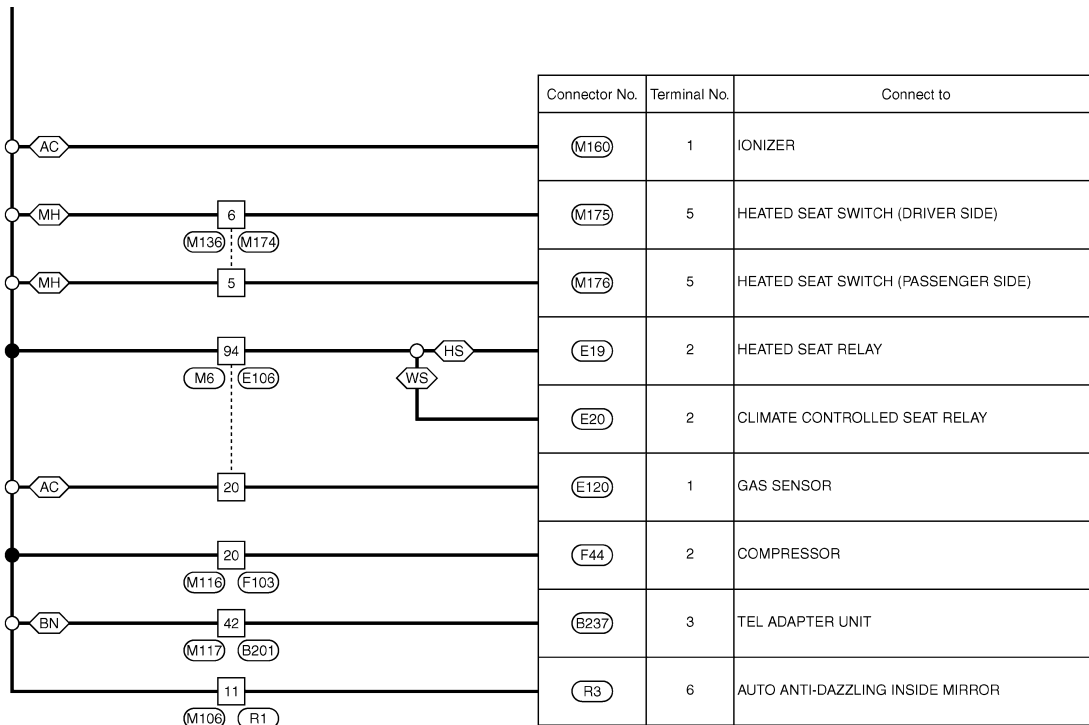


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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]



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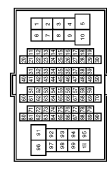
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

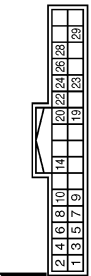
IGNITION POWER SUPPLY FUSE No. 3

Connector No.	E201
Connector Name	WIRE TO WIRE
Connector Type	TH8DFW-GS16-TM4




Terminal No.	42	O	—
Color of Wire			
Signal Name [Specification]			

Connector No.	E237
Connector Name	TEL ADAPTER UNIT
Connector Type	TH82FW-NH




Terminal No.	3	O	IGNITION
Color of Wire			
Signal Name [Specification]			

Connector No.	E19
Connector Name	HEATED SEAT RELAY
Connector Type	MS02FL-M2




Terminal No.	2	V	—
Color of Wire			
Signal Name [Specification]			

Connector No.	E20
Connector Name	CLIMATE CONTROLLED SEAT RELAY
Connector Type	M06FER-R-US




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

Connector No.	E26
Connector Name	HEADLAMP AIMING MOTOR RH
Connector Type	RV03FB




Terminal No.	3	G	—
Color of Wire			
Signal Name [Specification]			

Connector No.	E52
Connector Name	SHIFT LOCK RELAY
Connector Type	MS02FL-M2




Terminal No.	5	Y	—
Color of Wire			
Signal Name [Specification]			

Connector No.	E56
Connector Name	HEADLAMP AIMING MOTOR LH
Connector Type	RV03FB



Terminal No.	3	G	—
Color of Wire			
Signal Name [Specification]			

Connector No.	E103
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS16FY-CS



Terminal No.	4F	G	—
Color of Wire			
Signal Name [Specification]			

JCMWA4333GB

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY FUSE No. 3

Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-GS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
20	V	-
94	W	- [With climate controlled seat]
84	V	- [Without climate controlled seat]

Connector No.	E108
Connector Name	ASCD CLUTCH SWITCH
Connector Type	SO2FL



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

Connector No.	E109
Connector Name	ASCD BRAKE SWITCH
Connector Type	SO2FL



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	- [With A/T]
1	R	- [With M/T]

Connector No.	E110
Connector Name	STOP LAMP SWITCH
Connector Type	MC4FW-LC



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	- [With ICC]
1	G	- [Without ICC]

Connector No.	E113
Connector Name	ICC CLUTCH SWITCH
Connector Type	SO2FL



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

Connector No.	E114
Connector Name	ICC BRAKE SWITCH
Connector Type	SO2FL



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	- [With A/T]
1	R	- [With M/T]

Connector No.	E120
Connector Name	GAS SENSOR
Connector Type	FR03FB



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

Connector No.	F44
Connector Name	COMPRESSOR
Connector Type	FR02FGY



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

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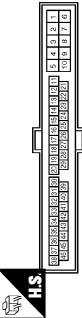
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]


IGNITION POWER SUPPLY FUSE No. 3

Connector No.	F103
Connector Name	WIRE TO WIRE
Connector Type	TK36FW-RS10




Terminal No.	20	Y	—	Signal Name [Specification]
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Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS08FW-M2



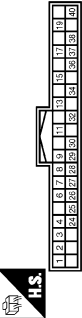
Terminal No.	2A	G	—	Signal Name [Specification]
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Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TH80MM-CS (B-TM)




Terminal No.	20	V	—	Signal Name [Specification]
94	G	—	—	[With climate controlled seat]
94	G	—	—	[Without climate controlled seat]

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



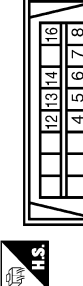
Terminal No.	1	R	—	Signal Name [Specification]
				IGN

Connector No.	M21
Connector Name	AFS OFF SWITCH
Connector Type	TK08FW-1V



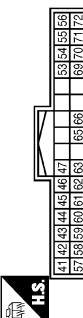
Terminal No.	1	Y	—	Signal Name [Specification]
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Connector No.	M24
Connector Name	DATA LINK CONNECTOR
Connector Type	BD16FW




Terminal No.	8	G	—	Signal Name [Specification]
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Connector No.	M67
Connector Name	UNIFIED METER AND A/C AMP.
Connector Type	TH42FW-NH



Terminal No.	53	W	—	Signal Name [Specification]
				IGNITION POWER SUPPLY

Connector No.	M85
Connector Name	AV CONTROL UNIT (WITHOUT NAVI)
Connector Type	TH32FW-NH



Terminal No.	104	G	—	Signal Name [Specification]
				IGNITION

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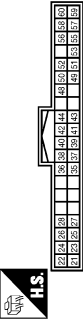
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

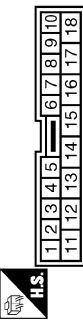
IGNITION POWER SUPPLY FUSE No. 3

Connector No.	M87
Connector Name	AV CONTROL UNIT (WITH NAVI)
Connector Type	TH06FW-NH




Terminal No.	35	G	IGNITION
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Connector No.	M108
Connector Name	WIRE TO WIRE
Connector Type	TK10MW-NSS




Terminal No.	11	P	
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Connector No.	M116
Connector Name	WIRE TO WIRE
Connector Type	TK38MW-NS/D




Terminal No.	20	Y	
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Connector No.	M117
Connector Name	WIRE TO WIRE
Connector Type	TH80MH-CS/6-TM4



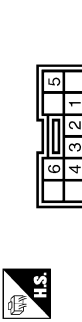
Terminal No.	42	LG	
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Connector No.	M138
Connector Name	WIRE TO WIRE
Connector Type	TH24FW-NH




Terminal No.	5	W	
Terminal No.	6	W	

Connector No.	M141
Connector Name	HEATED SEAT SWITCH (DRIVER SIDE) (WITH A/T)
Connector Type	TK10FW




Terminal No.	5	W	
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Connector No.	M142
Connector Name	HEATED SEAT SWITCH (PASSENGER SIDE) (WITH A/T)
Connector Type	TK08FBR



Terminal No.	5	W	
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Connector No.	M160
Connector Name	IGNIZER
Connector Type	TH04FW-NH



Terminal No.	1	V	IGN
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JCMWA4336GB

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POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

IGNITION POWER SUPPLY FUSE No. 3

Connector No.	M174
Connector Name	WIRE TO WIRE
Connector Type	TH24MW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
5	W	
6	LG	

Connector No.	M175
Connector Name	HEATED SEAT SWITCH (DRIVER SIDE) (WITH M/T)
Connector Type	TK10FW



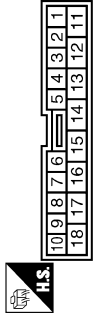
Terminal No.	Color of Wire	Signal Name [Specification]
5	LG	

Connector No.	M176
Connector Name	HEATED SEAT SWITCH (PASSENGER SIDE) (WITH M/T)
Connector Type	TK08FBR



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

Connector No.	R1
Connector Name	WIRE TO WIRE
Connector Type	TK10FW-NS



Terminal No.	Color of Wire	Signal Name [Specification]
11	BR	

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



Terminal No.	Color of Wire	Signal Name [Specification]
6	BR	IGN

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POWER SUPPLY ROUTING CIRCUIT

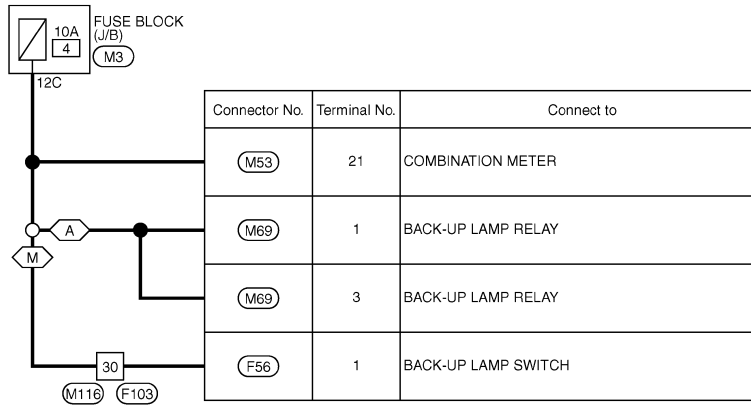
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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

INFOID:000000004372322

⬡ A : With A/T
⬡ M : With M/T



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2009/02/27

JCMWA4338GB

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

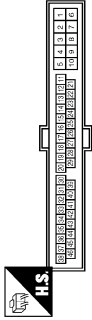
IGNITION POWER SUPPLY FUSE NO. 4

Connector No.	F59
Connector Name	BACK-UP LAMP SWITCH
Connector Type	RK02FB



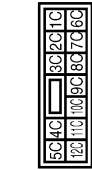
Terminal No.	1	R	Signal Name [Specification]
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Connector No.	F103
Connector Name	WIRE TO WIRE
Connector Type	TK38FW-NS10



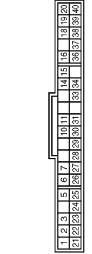
Terminal No.	30	R	Signal Name [Specification]
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Connector No.	M3
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS12FW-CS



Terminal No.	12C	R	Signal Name [Specification]
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Connector No.	M53
Connector Name	COMBINATION METER
Connector Type	SAB4FW



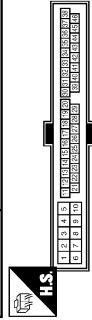
Terminal No.	21	R	Signal Name [Specification]
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Connector No.	M69
Connector Name	BACK-UP LAMP RELAY
Connector Type	MS02FL-M2-LC



Terminal No.	1	R	Signal Name [Specification]
3	LG		

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



Terminal No.	30	LG	Signal Name [Specification]
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JCMWA4339GB

POWER SUPPLY ROUTING CIRCUIT

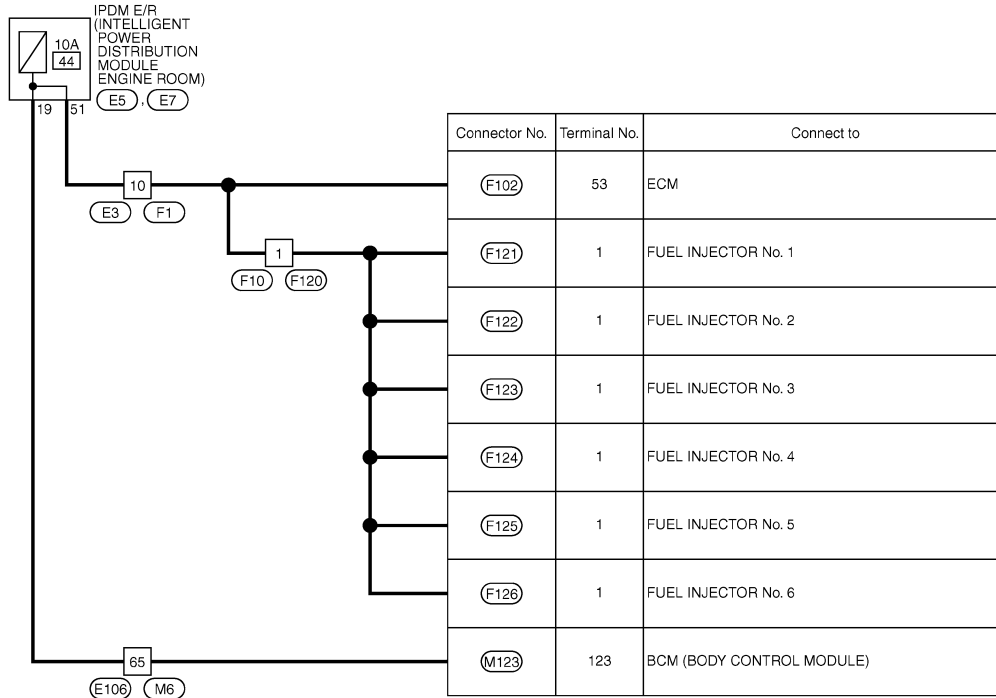
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 44 -

INFOID:000000004372323

IGNITION POWER SUPPLY FUSE No. 44



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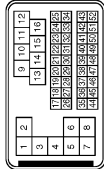
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

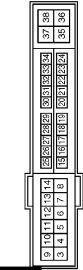
IGNITION POWER SUPPLY FUSE No. 44

Connector No.	E3
Connector Name	WIRE TO WIRE
Connector Type	SAA38MB-RSS-SHZ3



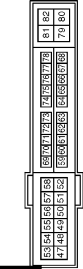
Terminal No.	10	Y	—
Color of Wire	Y	—	—
Signal Name [Specification]			

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



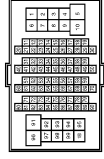
Terminal No.	19	W	—
Color of Wire	W	—	—
Signal Name [Specification]			

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



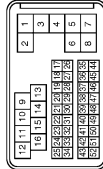
Terminal No.	51	Y	—
Color of Wire	Y	—	—
Signal Name [Specification]			

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




Terminal No.	65	W	—
Color of Wire	W	—	—
Signal Name [Specification]			

Connector No.	F1
Connector Name	WIRE TO WIRE
Connector Type	SAA38FB-RSS-SHZ3



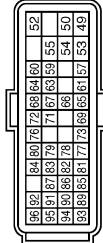
Terminal No.	10	G	—
Color of Wire	G	—	—
Signal Name [Specification]			

Connector No.	F10
Connector Name	WIRE TO WIRE
Connector Type	RH08FB




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

Connector No.	F102
Connector Name	ECM
Connector Type	RH40FB-R25-L-1H-Z



Terminal No.	53	W	IGNSW
Color of Wire	W	—	—
Signal Name [Specification]			

Connector No.	F120
Connector Name	WIRE TO WIRE
Connector Type	RH108MB



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

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY FUSE No. 44

Connector No.	F121
Connector Name	FUEL INJECTOR No. 1
Connector Type	HS02FGY



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

Connector No.	F122
Connector Name	FUEL INJECTOR No. 2
Connector Type	HS02FGY



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

Connector No.	F123
Connector Name	FUEL INJECTOR No. 3
Connector Type	HS02FGY



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

Connector No.	F124
Connector Name	FUEL INJECTOR No. 4
Connector Type	HS02FGY



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

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



Terminal No.	123
Color of Wire	W
Signal Name [Specification]	IGN F/B

Connector No.	F125
Connector Name	FUEL INJECTOR No. 5
Connector Type	HS02FGY



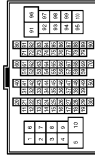
Terminal No.	I	G	-	-
Color of Wire				
Signal Name [Specification]				

Connector No.	F126
Connector Name	FUEL INJECTOR No. 6
Connector Type	HS02FGY



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

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



Terminal No.	65
Color of Wire	W
Signal Name [Specification]	-

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



Terminal No.	123
Color of Wire	W
Signal Name [Specification]	IGN F/B

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POWER SUPPLY ROUTING CIRCUIT

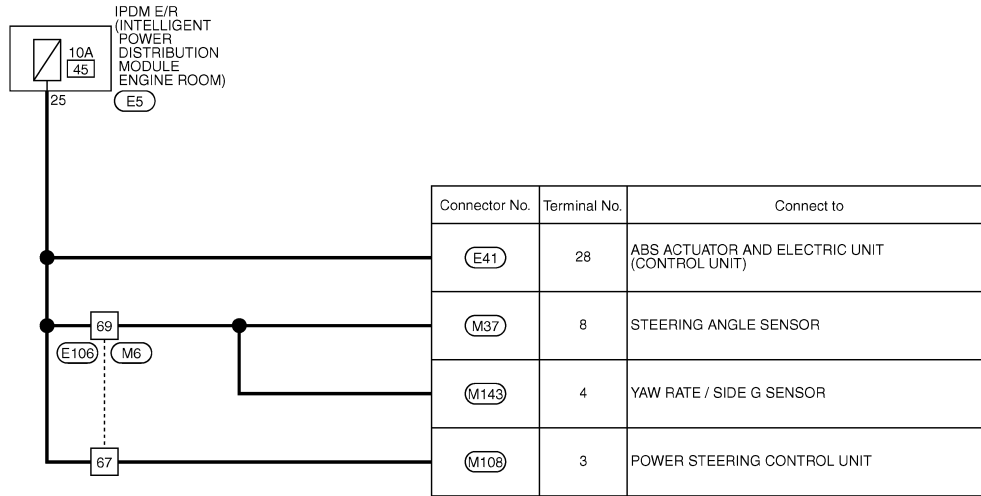
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 45 -

INFOID:000000004372324

IGNITION POWER SUPPLY FUSE No. 45



2009/02/27

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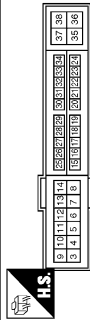
POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

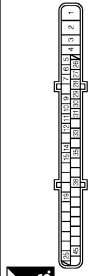
< DTC/CIRCUIT DIAGNOSIS >

IGNITION POWER SUPPLY FUSE No. 45

Connector No.	E5
Connector Name	ENGINE INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE PCM)
Connector Type	TH08FW-CS12-IM4-IV



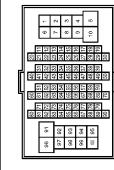
Connector No.	E41
Connector Name	ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT)
Connector Type	BA442EB-4RZ4-LH



Terminal No.	25	G	—
Color of Wire	G	—	—
Signal Name [Specification]			

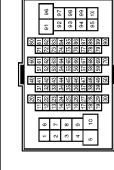
Terminal No.	28	G	UZ
Color of Wire	G	—	—
Signal Name [Specification]			

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



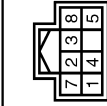
Terminal No.	67	G	—
Color of Wire	G	—	—
Signal Name [Specification]			
Terminal No.	69	W	—
Color of Wire	W	—	—
Signal Name [Specification]			

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TH80MH-CS16-TM4



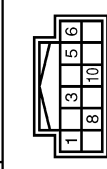
Terminal No.	67	G	—
Color of Wire	G	—	—
Signal Name [Specification]			
Terminal No.	69	G	—
Color of Wire	G	—	—
Signal Name [Specification]			

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



Terminal No.	8	G	IGN
Color of Wire	G	—	—
Signal Name [Specification]			

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



Terminal No.	3	G	VIGN
Color of Wire	G	—	—
Signal Name [Specification]			

POWER SUPPLY ROUTING CIRCUIT

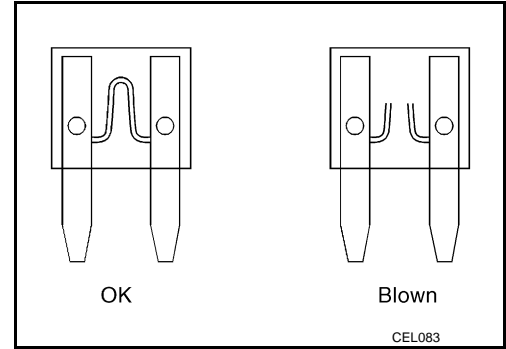
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Fuse

INFOID:000000004372325

- 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

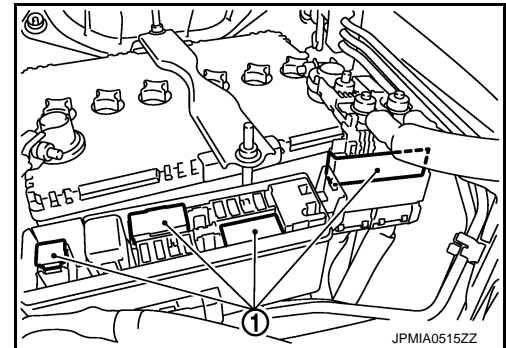
INFOID:000000004372326

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:

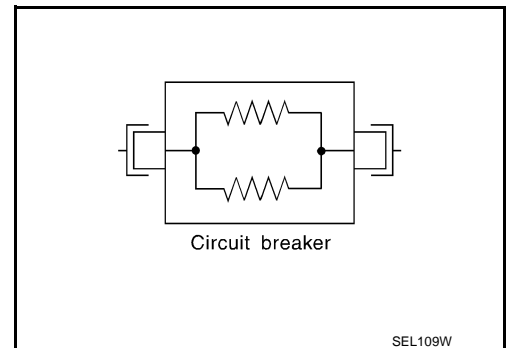
- If fusible link should melt, it is possible that critical circuit (power supply or large current carrying circuit) is shorted. In such a case, carefully check and eliminate cause of malfunction.
- Never wrap outside of fusible link with vinyl tape. Important: Never let fusible link touch any other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



Circuit Breaker

INFOID:000000004372327

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.



HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

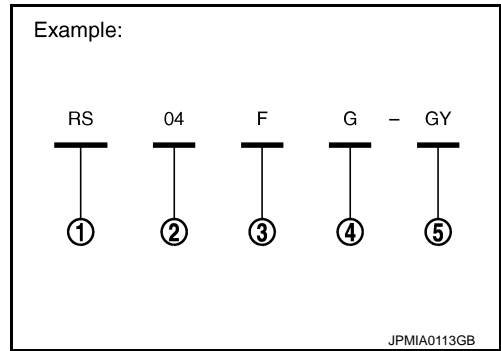
[POWER SUPPLY & GROUND CIRCUIT]

HARNESS LAYOUT

How To Read Harness Layout

INFOID:000000004372328

- 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

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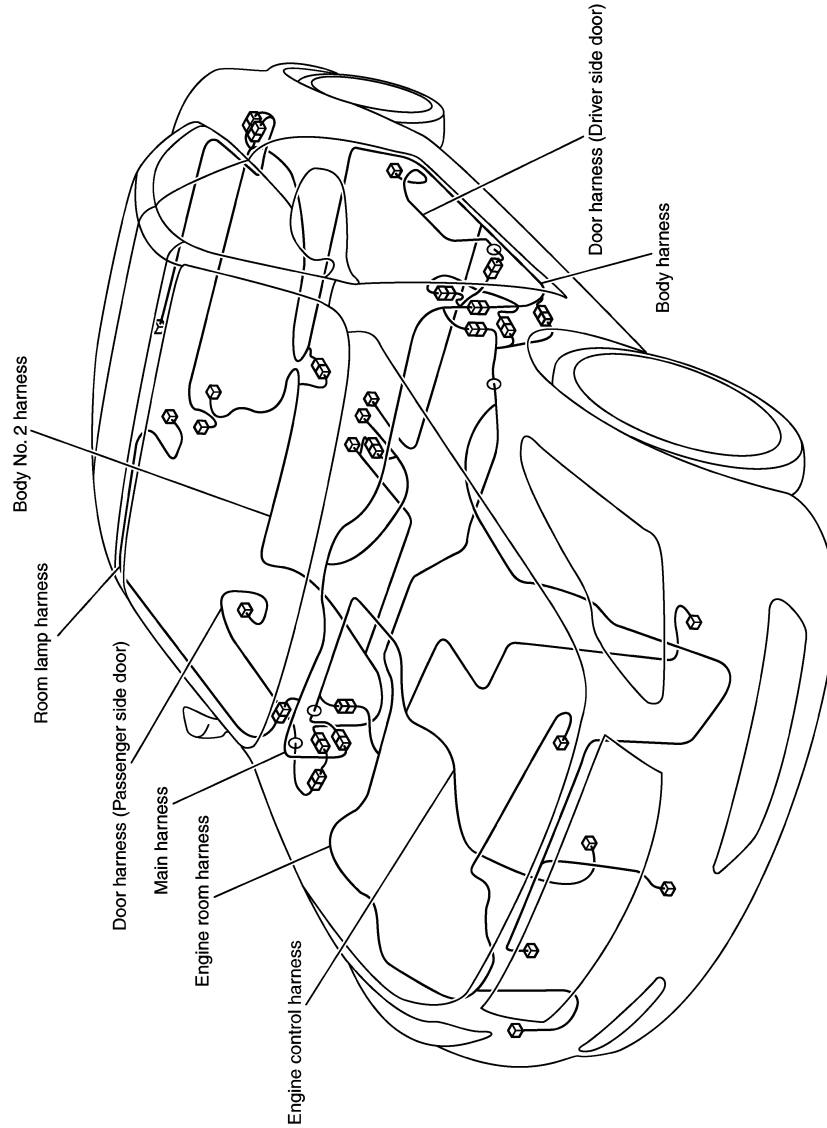
HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Outline

INFOID:000000004372329



OUTLINE

2009/02/27

JCMIM0712GB

HARNESS LAYOUT

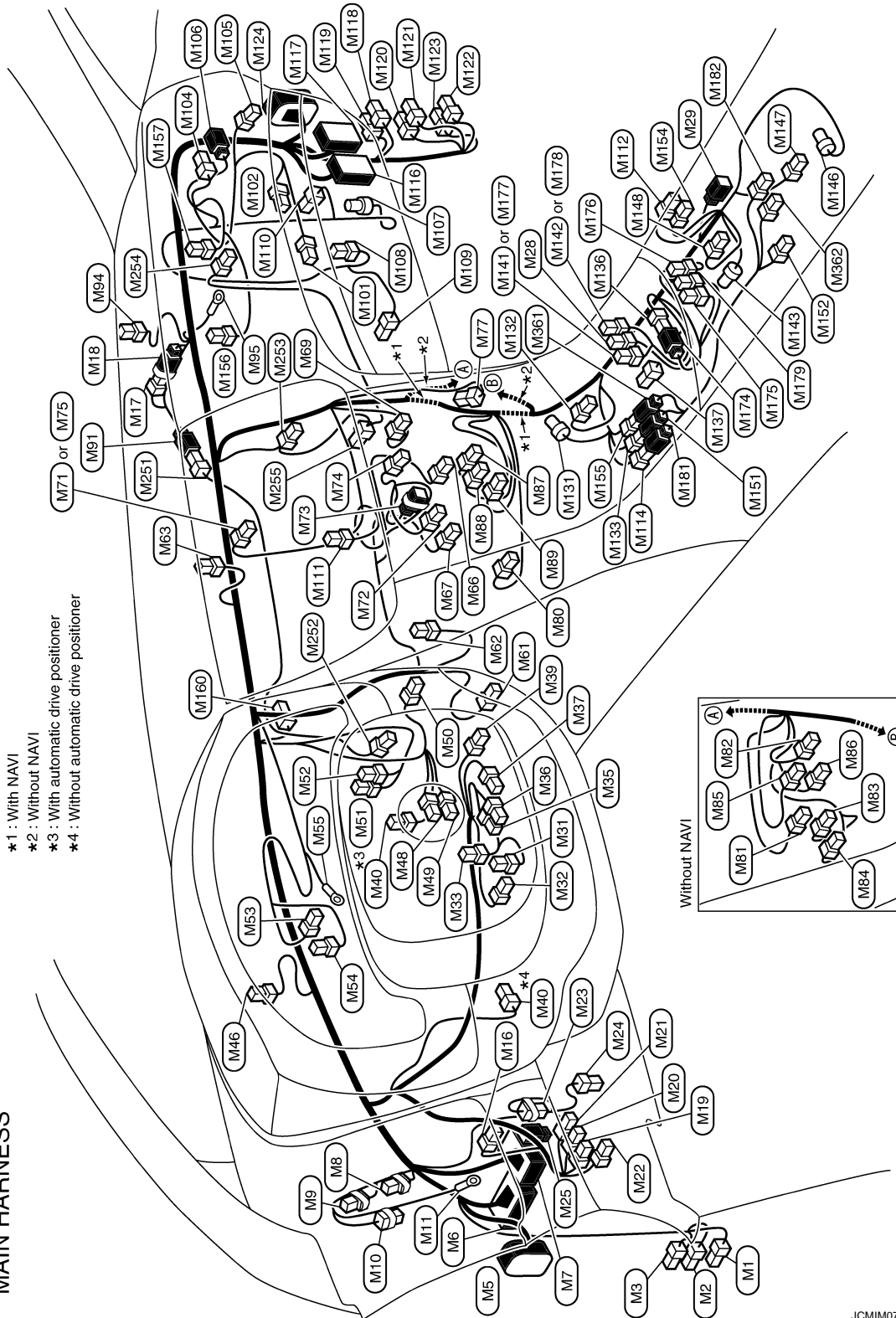
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

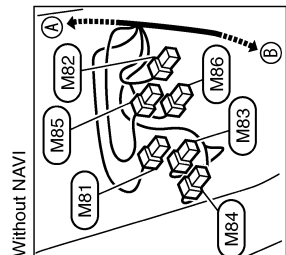
Main Harness

INFOID:000000004372330

MAIN HARNESS



- *1 : With NAVI
- *2 : Without NAVI
- *3 : With automatic drive positioner
- *4 : Without automatic drive positioner



2009/02/27

JCMIM0713GB

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HARNESS LAYOUT

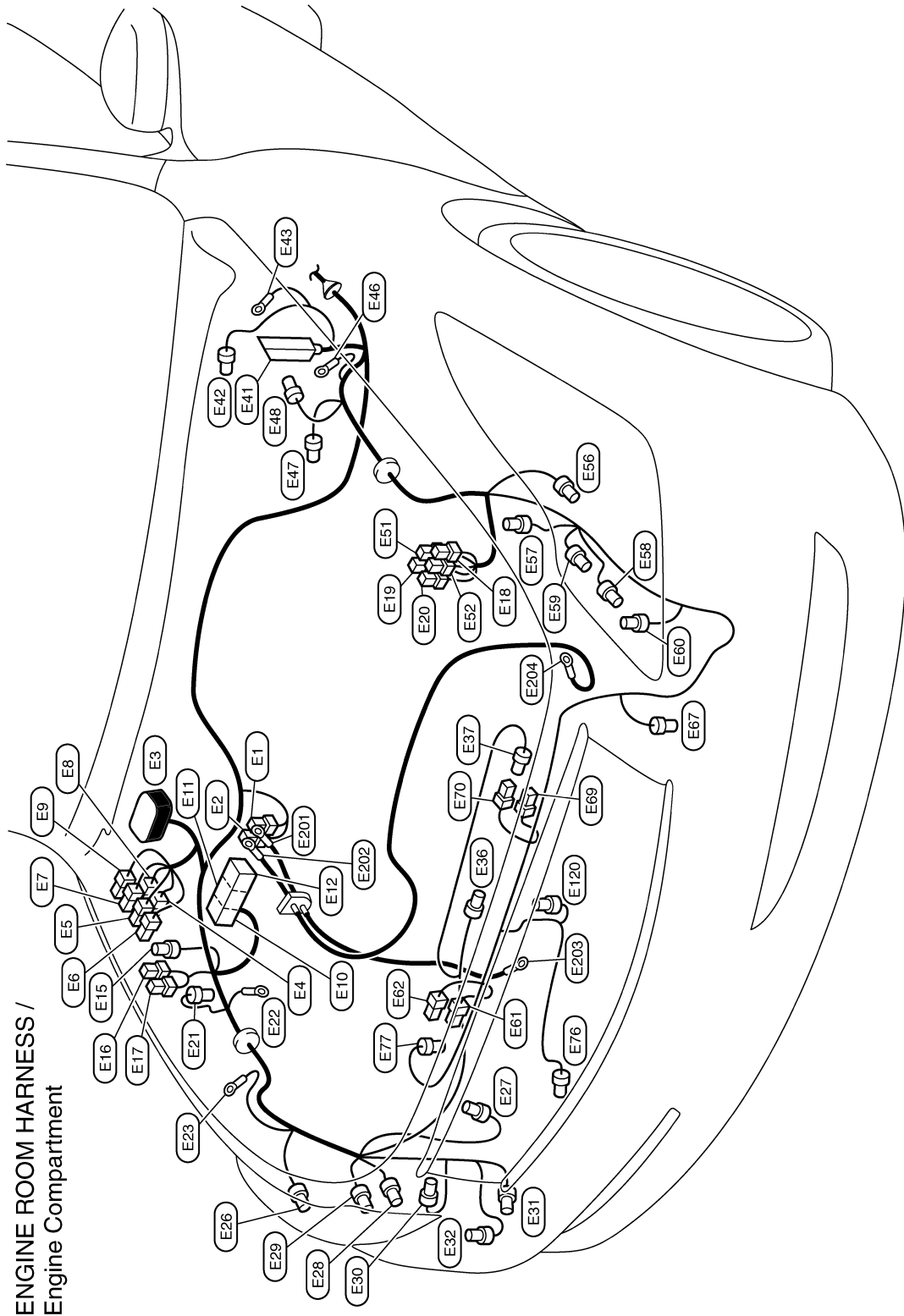
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Engine Room Harness

INFOID:000000004372331

ENGINE COMPARTMENT



ENGINE ROOM HARNESS /
Engine Compartment

2009/02/27

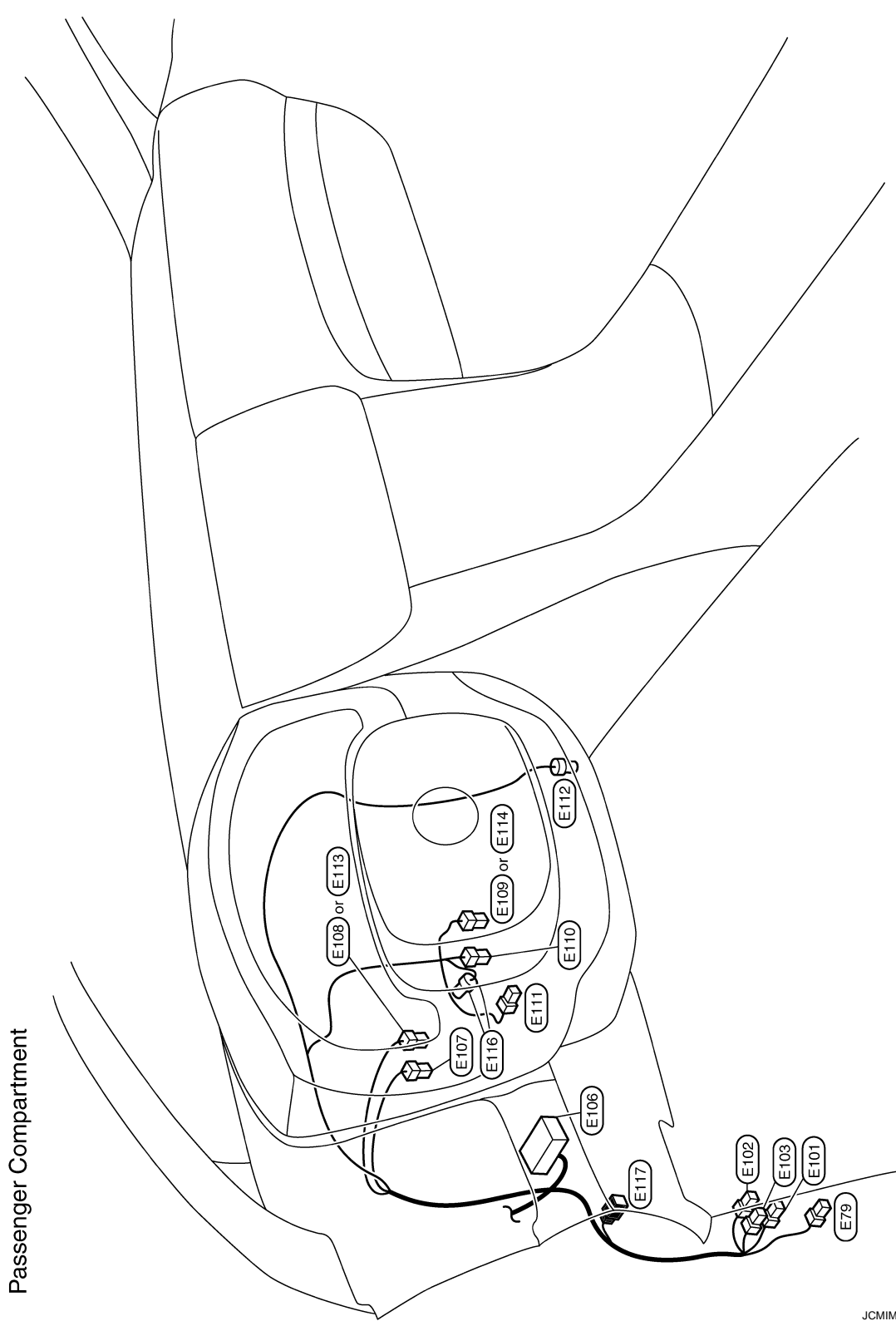
JCMIM0714GB

HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

PASSENGER COMPARTMENT



Passenger Compartment

2009/02/27

JCMIM0715GB

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HARNES LAYOUT

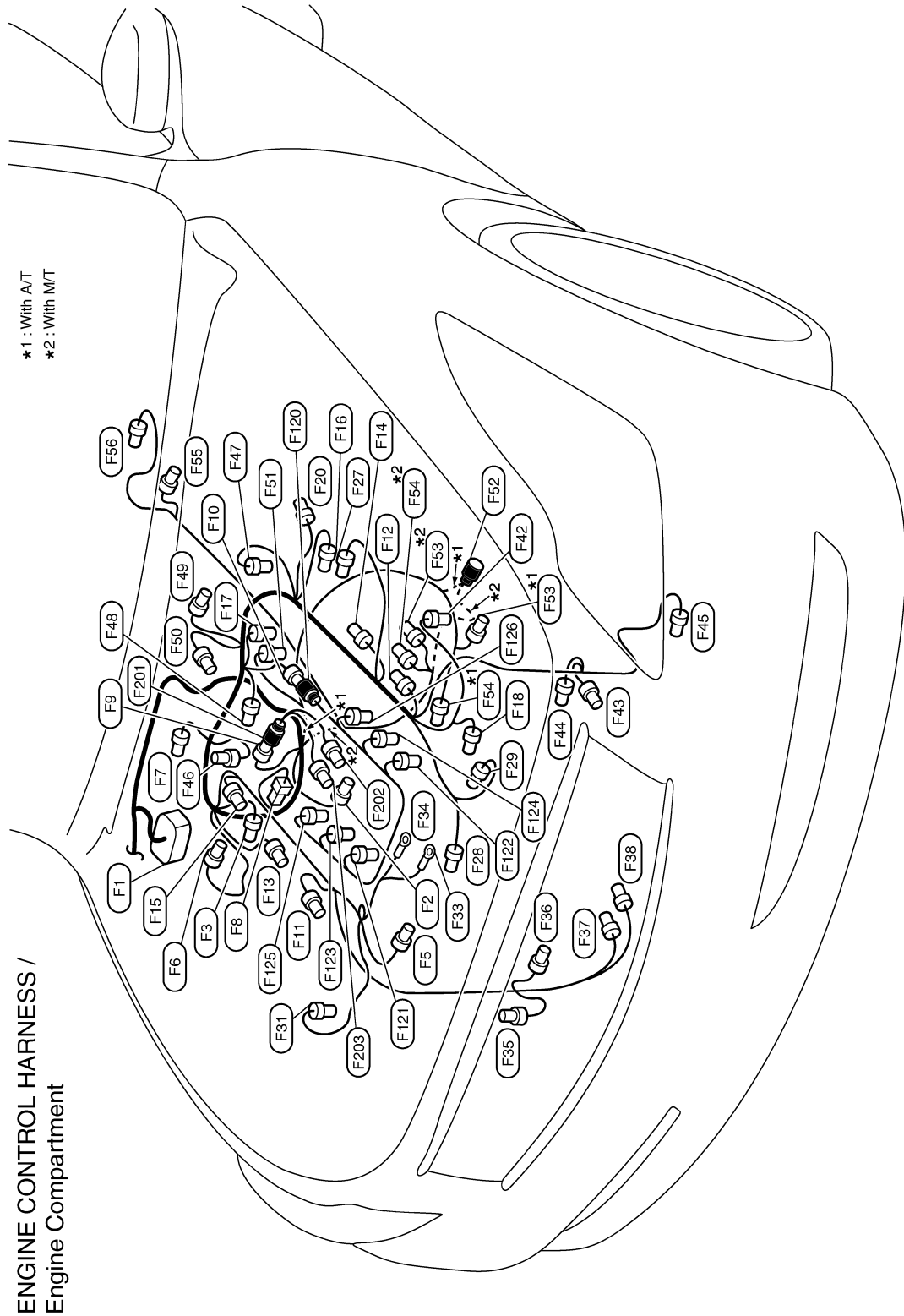
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Engine Control Harness

INFOID:000000004372332

ENGINE COMPARTMENT



*1 : With A/T
*2 : With M/T

ENGINE CONTROL HARNESS /
Engine Compartment

2009/02/27

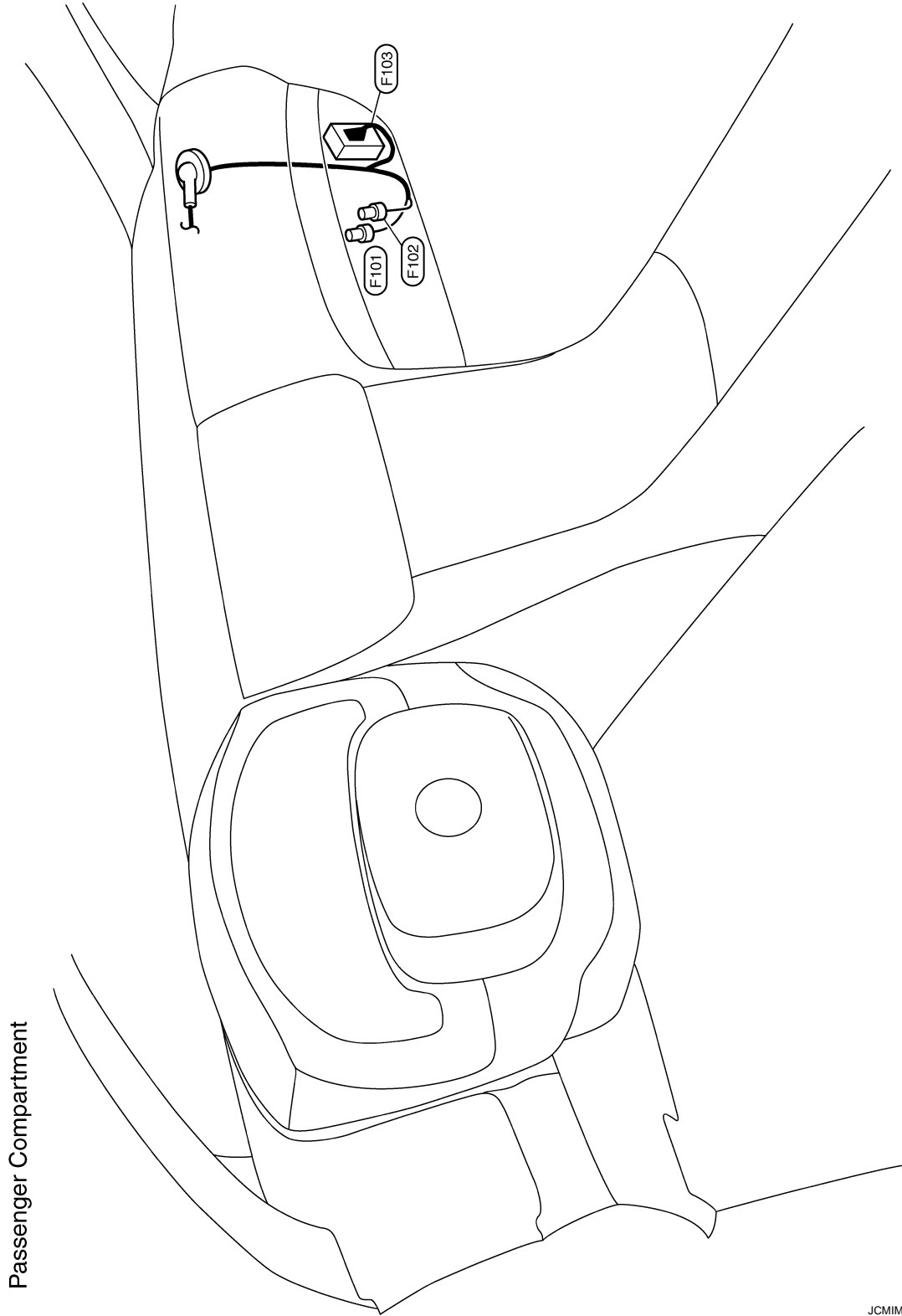
JCMIM0716GB

HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

PASSENGER COMPARTMENT



Passenger Compartment

2009/02/27

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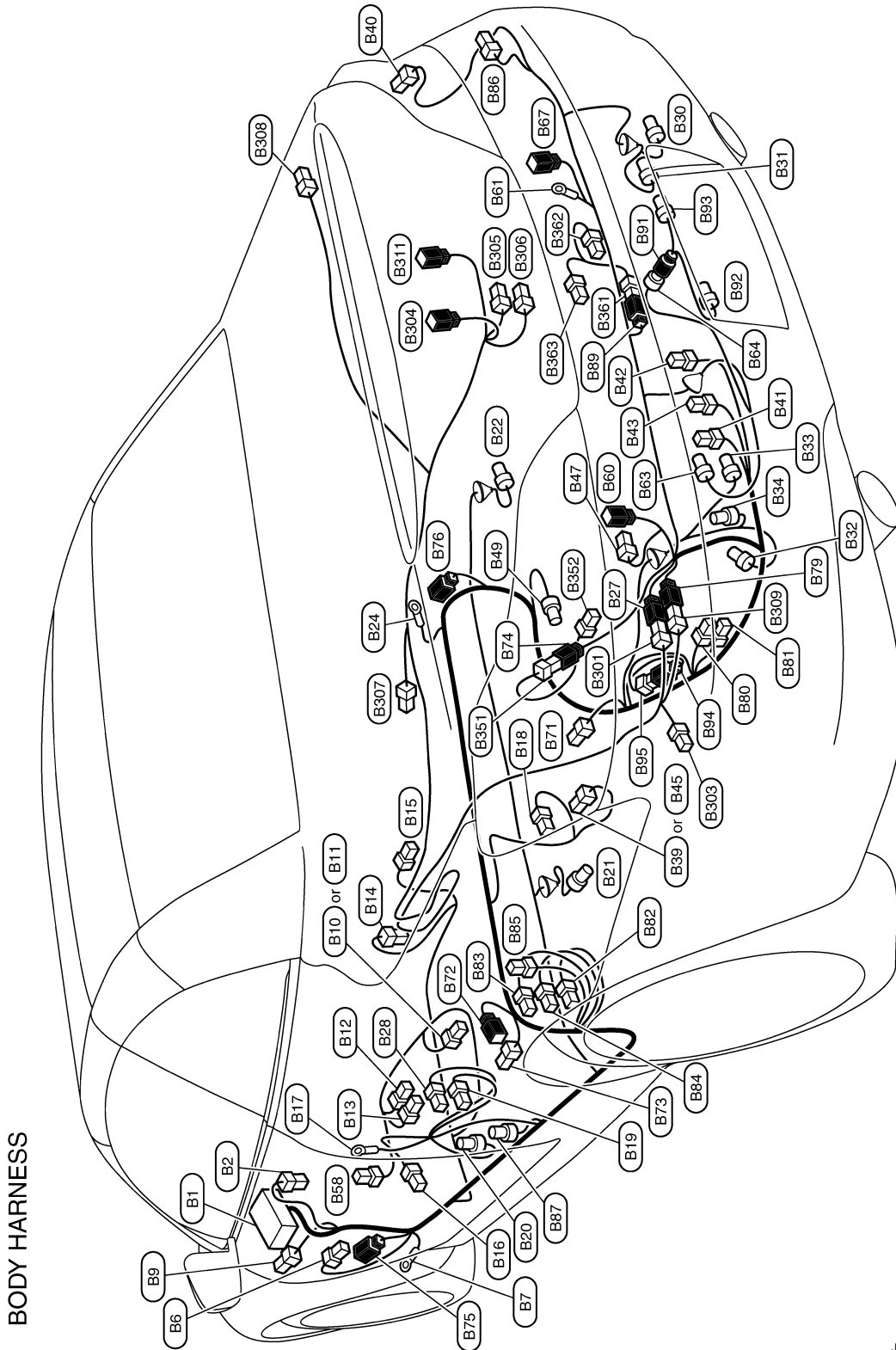
HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Body Harness

INFOID:000000004372333



BODY HARNESS

2009/02/27

JCMIM0718GB

HARNES LAYOUT

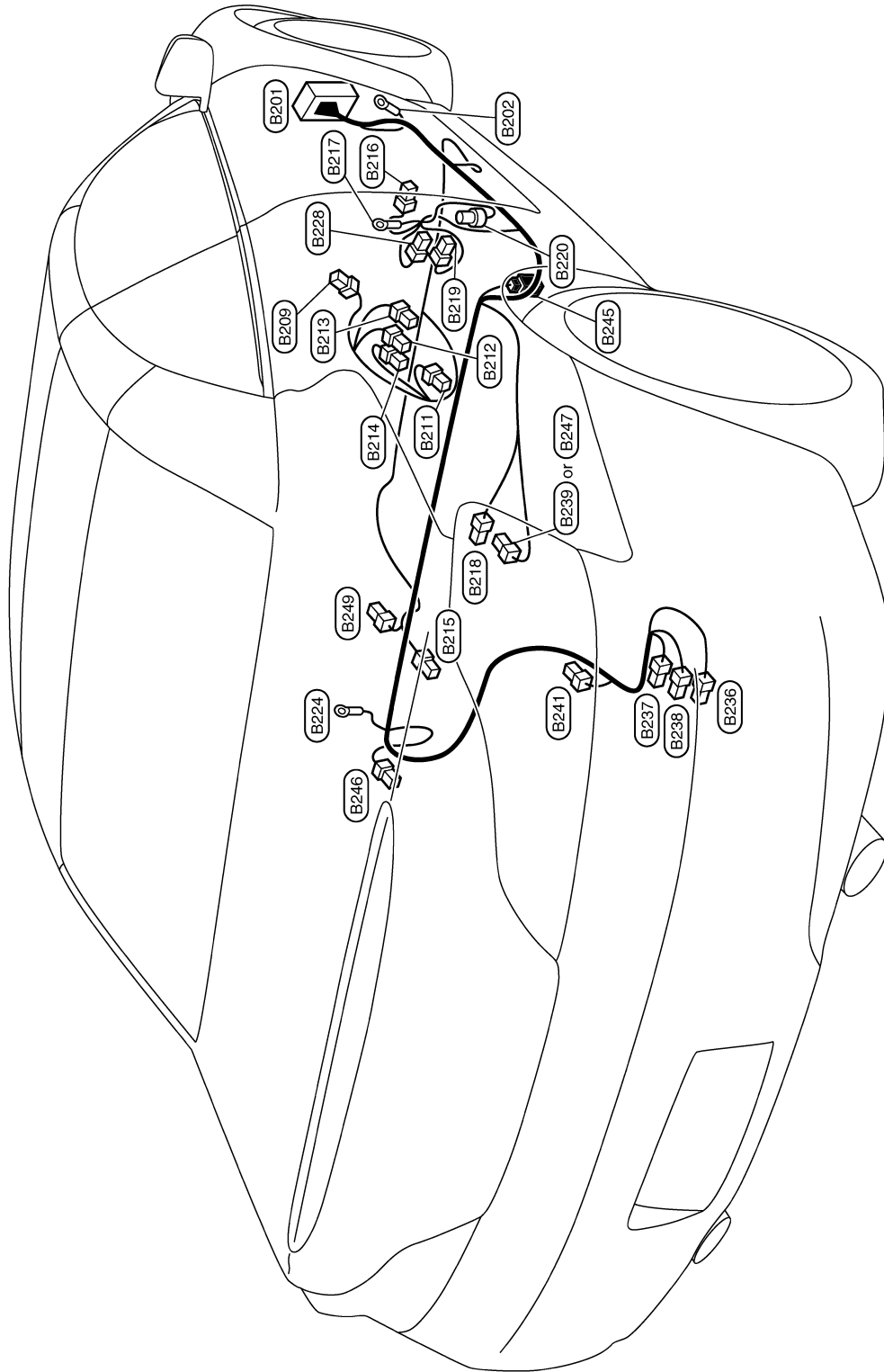
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Body No. 2 Harness

INFOID:000000004372334

BODY No. 2 HARNESS



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2009/02/27

JCMIM0719GB

HARNES LAYOUT

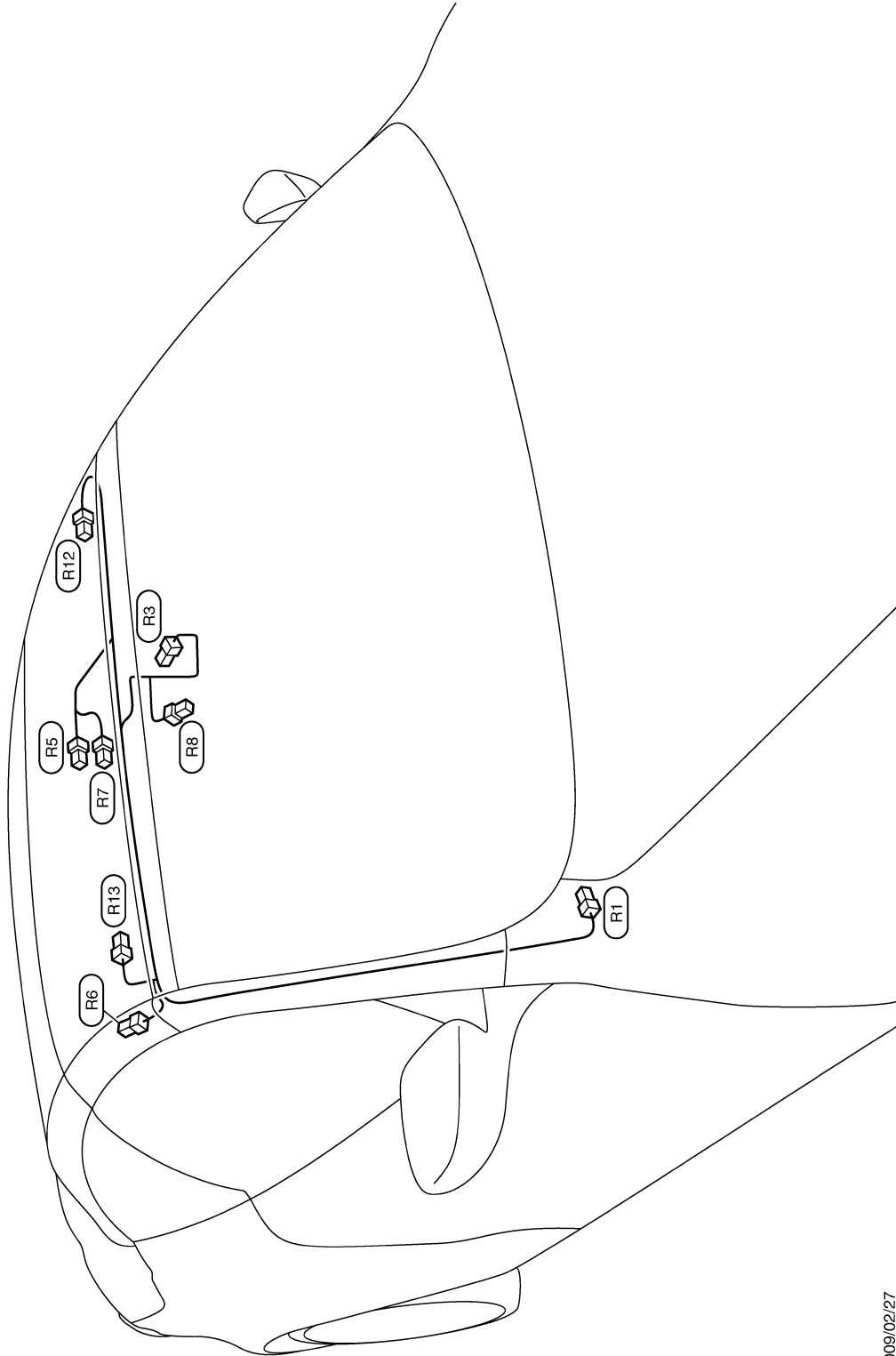
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Room Lamp Harness

INFOID:000000004372335

ROOM LAMP HARNESS



2009/02/27

JCMIM0720GB

HARNESS LAYOUT

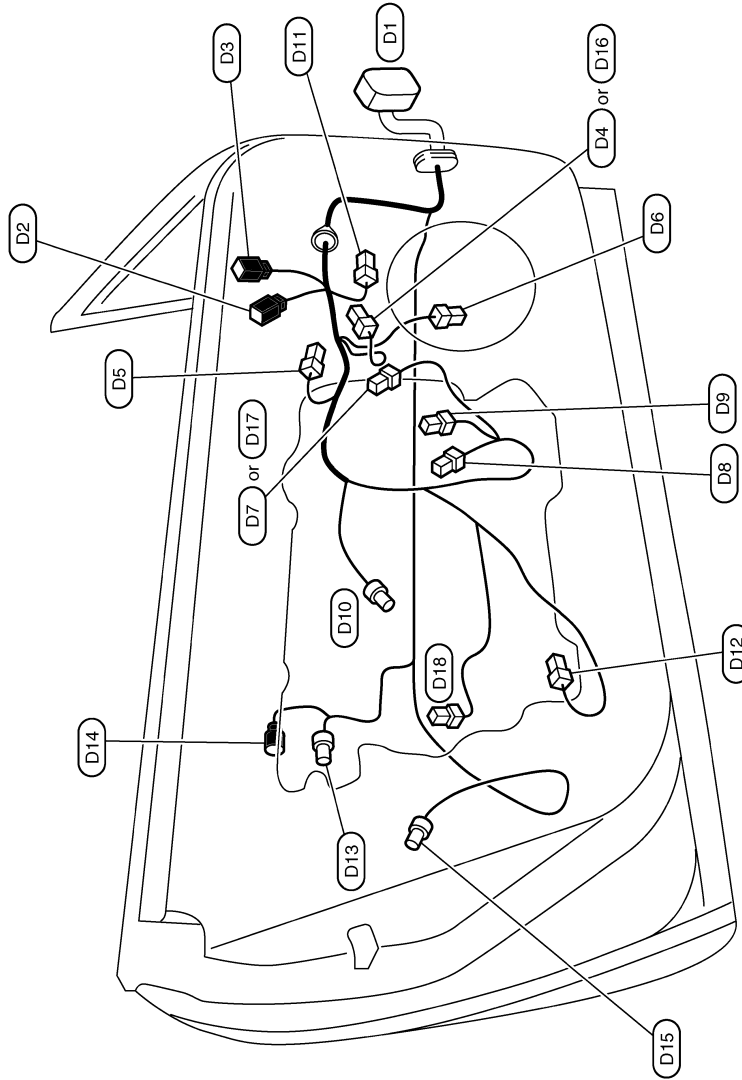
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Door Harness (Driver Side Door)

INFOID:000000004372336

DOOR HARNESS (DRIVER SIDE DOOR)



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2009/02/27

JCMIM0721GB

HARNESS LAYOUT

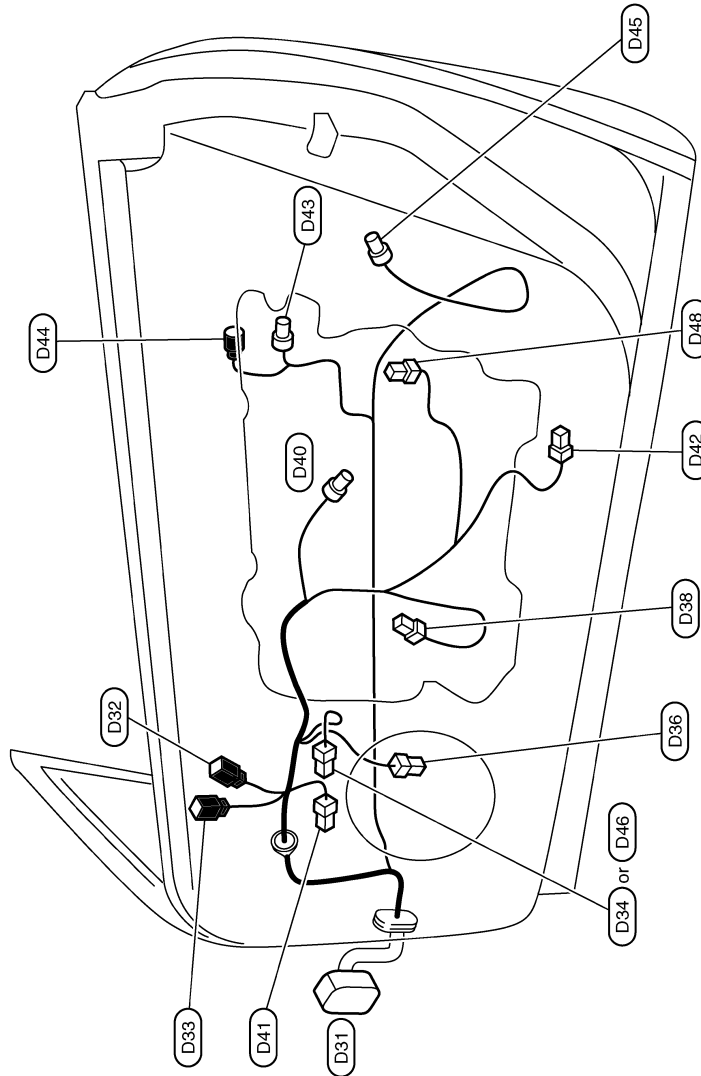
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Door Harness (Passenger Side Door)

INFOID:000000004372337

DOOR HARNESS (PASSENGER SIDE DOOR)



2009/02/27

JCMIM0722GB

HARNESS CONNECTOR

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

HARNESS CONNECTOR

Description

INFOID:000000004372338

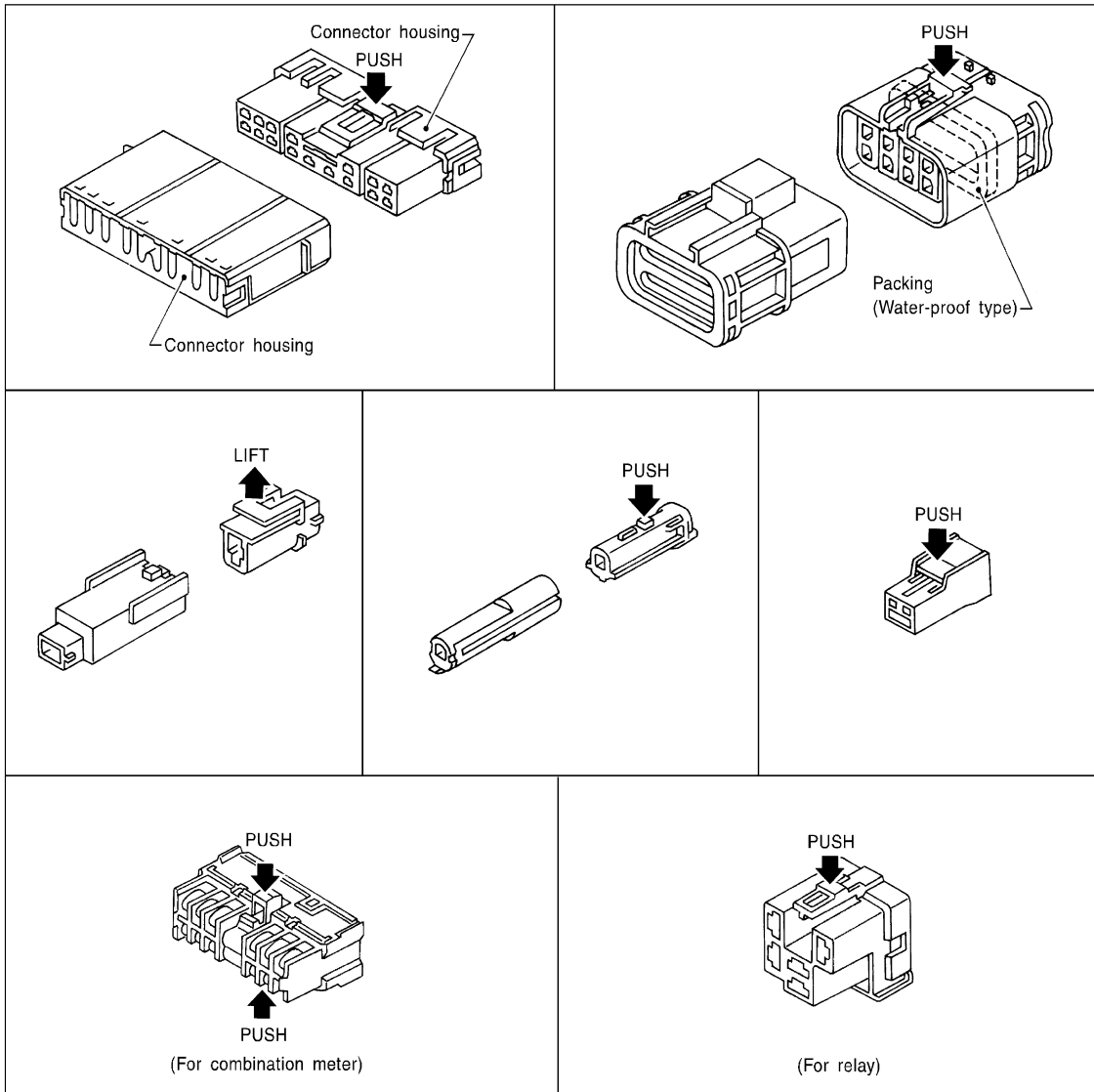
HARNESS CONNECTOR (TAB-LOCKING TYPE)

- 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.

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HARNESS CONNECTOR

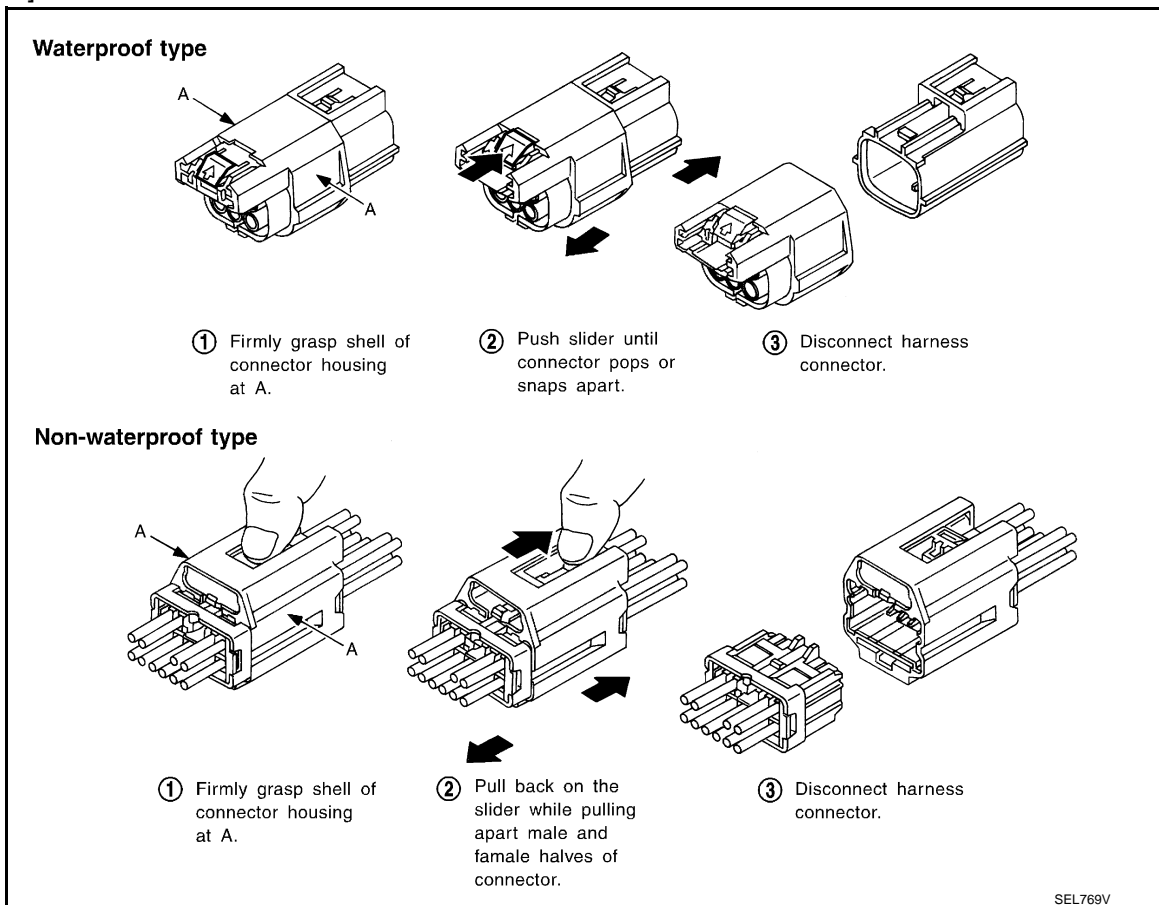
< DTC/CIRCUIT DIAGNOSIS >

[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.

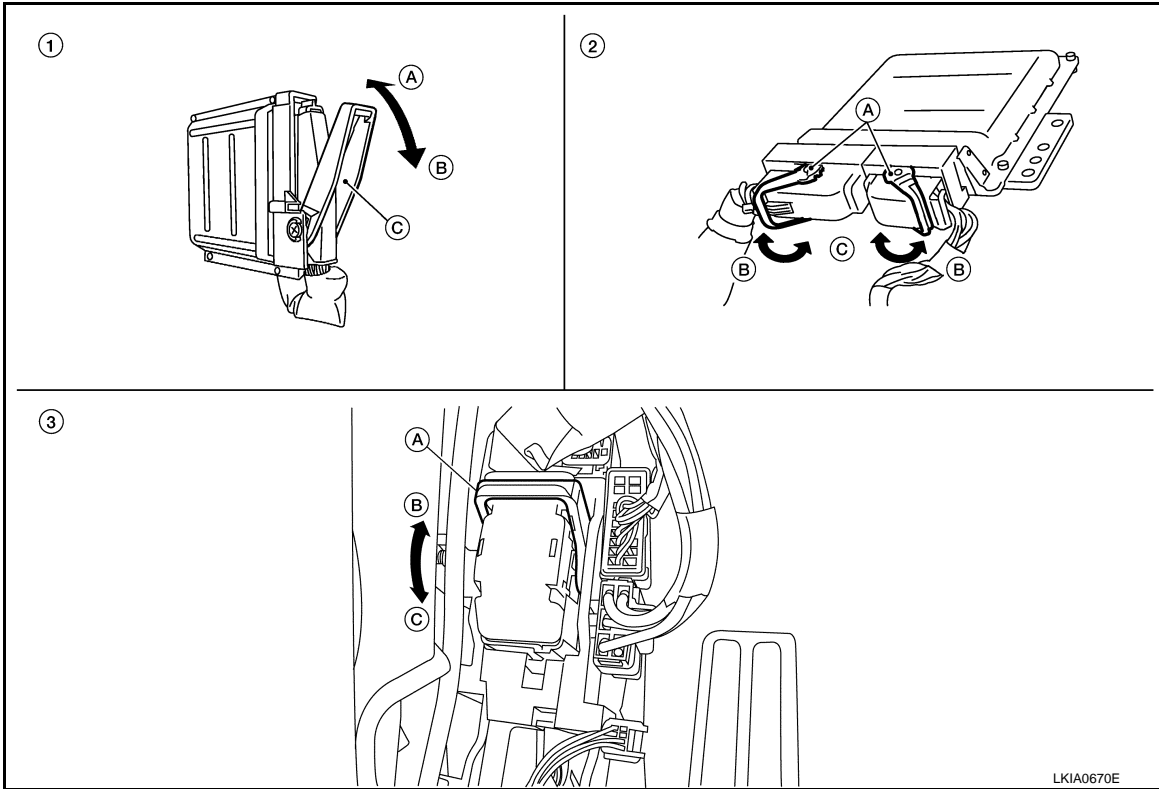
CAUTION:

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

LKIA0670E

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STANDARDIZED RELAY

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

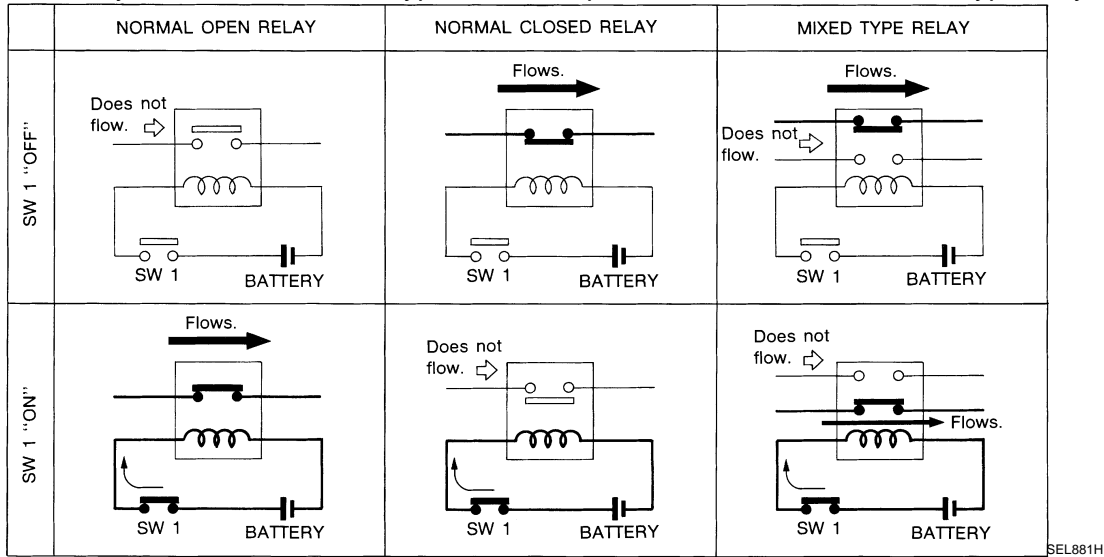
STANDARDIZED RELAY

Description

INFOID:000000004372339

NORMAL OPEN, NORMAL CLOSED AND MIXED TYPE RELAYS

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



SEL881H

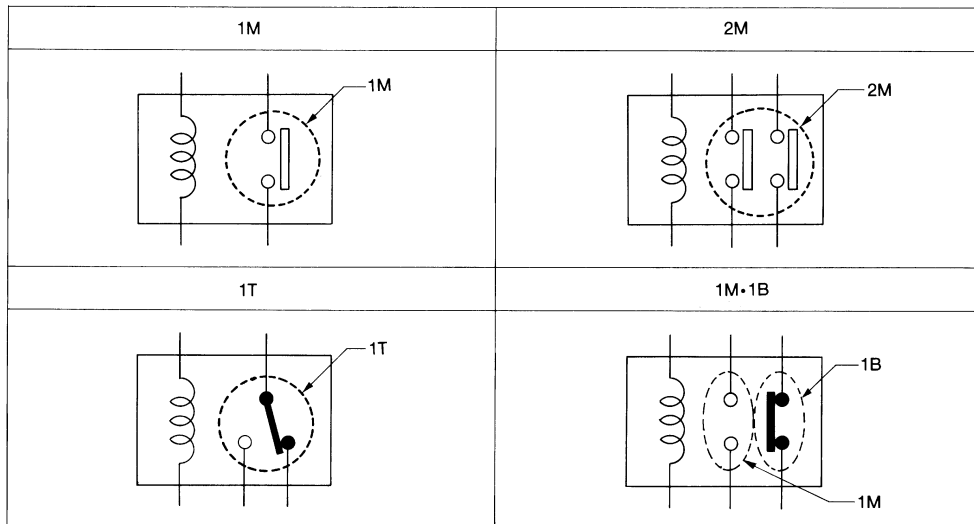
TYPE OF STANDARDIZED RELAYS

1M 1 Make

2M 2 Make

1T 1 Transfer

1M-1B 1 Make 1 Break

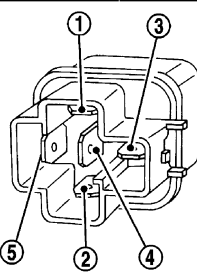
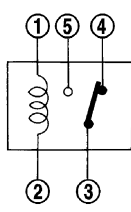
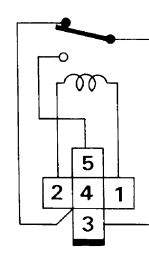
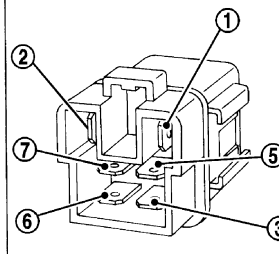
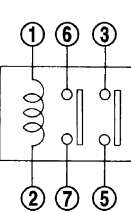
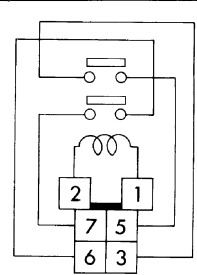
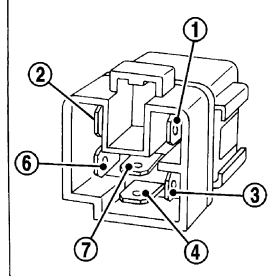
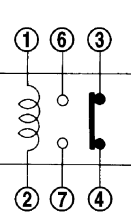
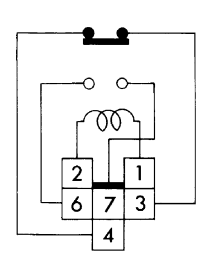
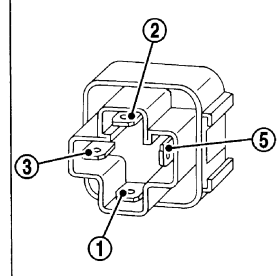
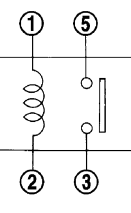
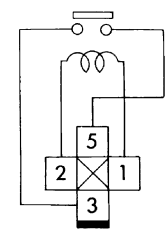
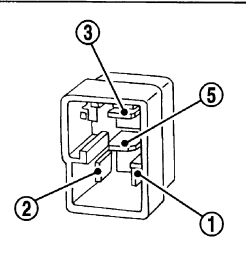
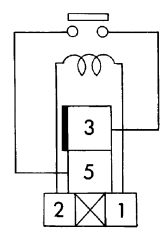


SEL882H

STANDARDIZED RELAY

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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

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

SEL188W

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FUSE BLOCK - JUNCTION BOX (J/B)

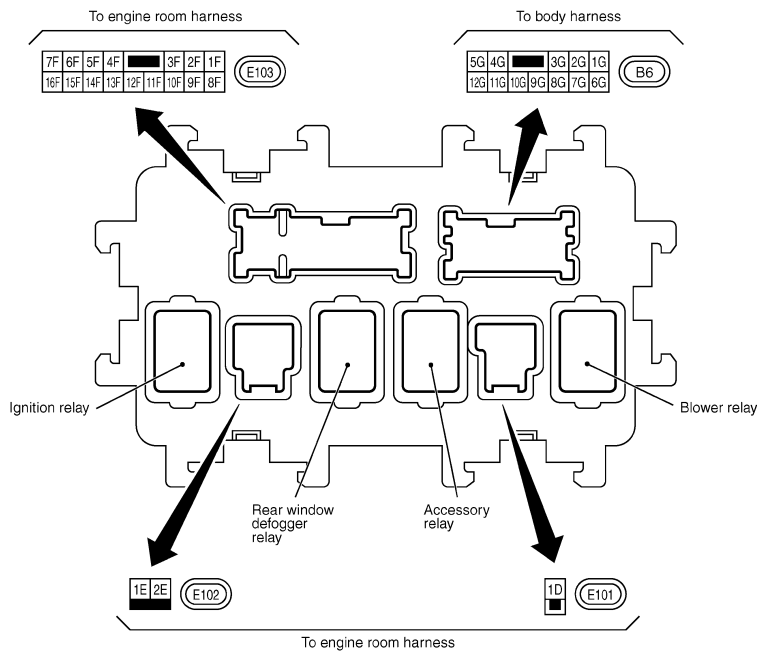
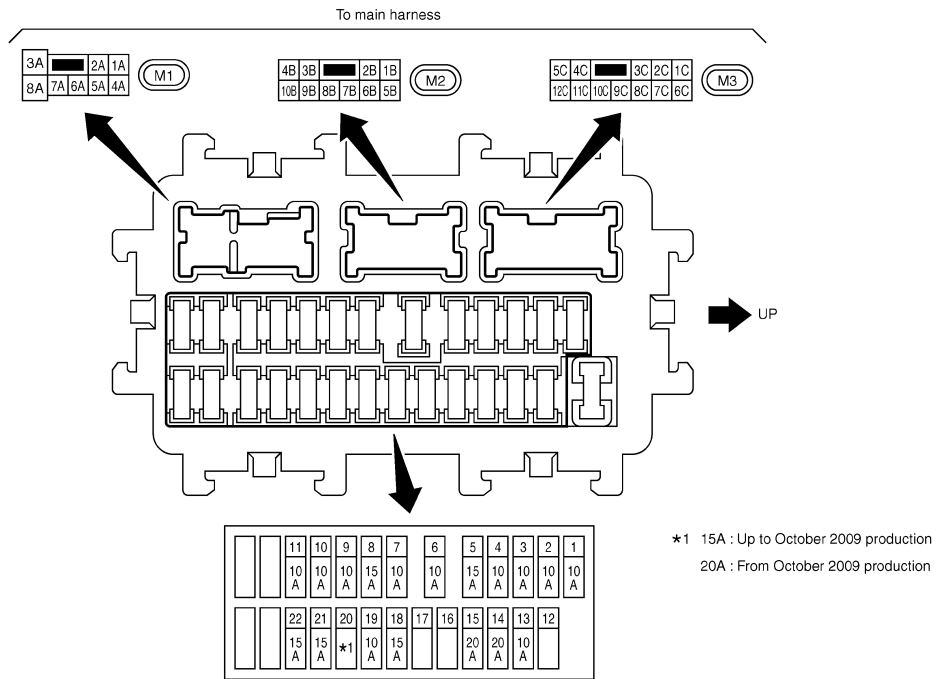
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

FUSE BLOCK - JUNCTION BOX (J/B)

Fuse, Connector and Terminal Arrangement

INFOID:000000004372340



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FUSE, FUSIBLE LINK AND RELAY BOX

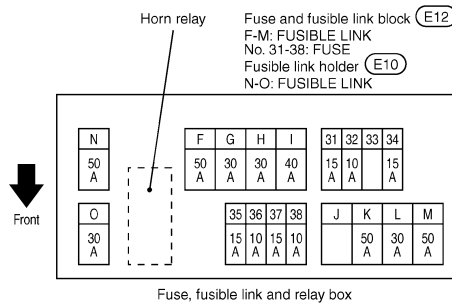
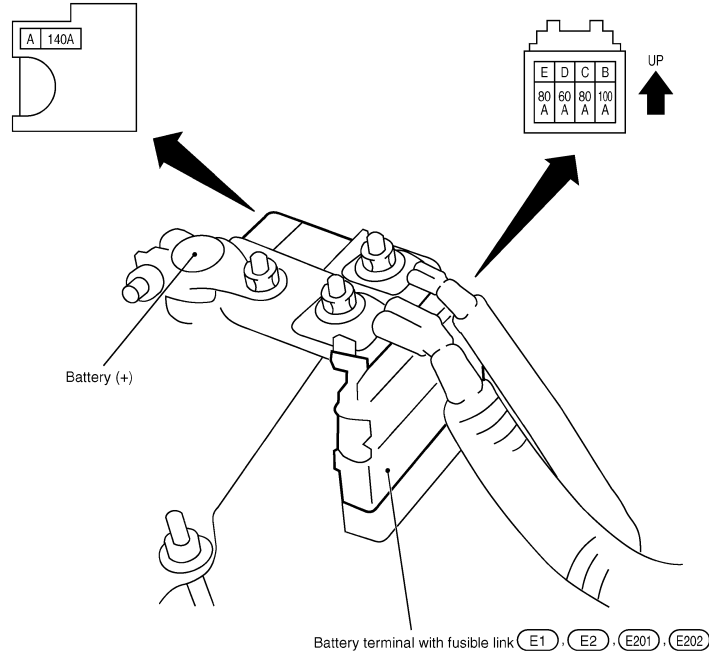
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

FUSE, FUSIBLE LINK AND RELAY BOX

Fuse and Fusible Link Arrangement

INFOID:000000004372341



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

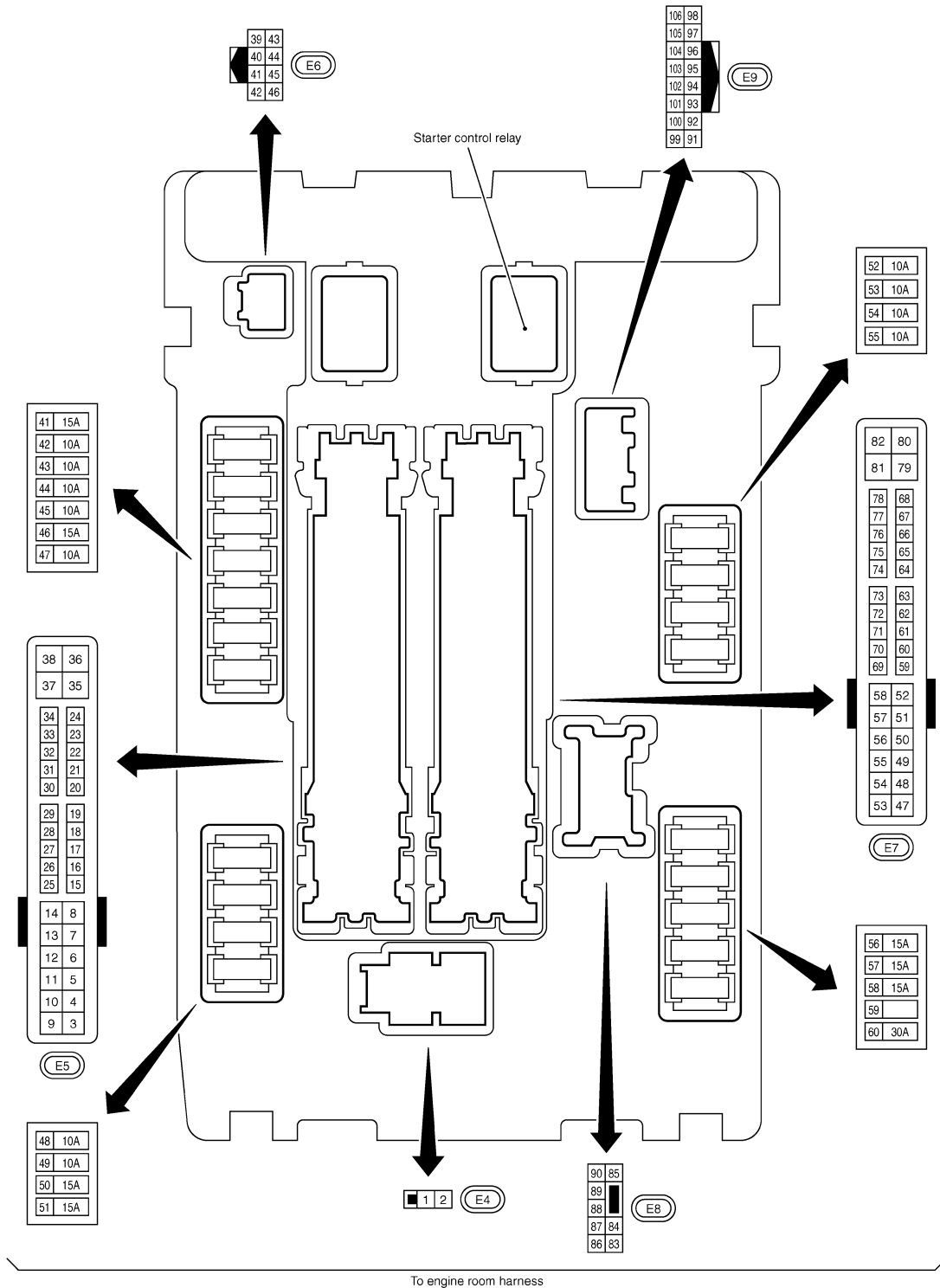
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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

Fuse, Connector and Terminal Arrangement

INFOID:000000004372342



2009/02/27

JCMWA4347GB

PRECAUTIONS

< PRECAUTION >

[POWER SUPPLY & GROUND CIRCUIT]

PRECAUTION

PRECAUTIONS

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

INFOID:000000005142605

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 that would result in air bag inflation, all maintenance must be performed by an authorized NISSAN/INFINITI dealer.
- Improper maintenance, including incorrect removal and installation of the SRS, can lead to personal injury caused by unintentional activation of the system. For removal of Spiral Cable and Air Bag Module, see 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.

Precaution for Battery Service

INFOID:000000005142607

Before disconnecting the battery, lower both the driver and passenger windows. This will prevent any interference between the window edge and the vehicle when the door is opened/closed. During normal operation, the window slightly raises and lowers automatically to prevent any window to vehicle interference. The automatic window function will not work with the battery disconnected.

Service Procedure Precautions for Models with a Pop-up Roll Bar

INFOID:000000005158145

WARNING:

- Risk of passenger injury or death may increase if the pop-up roll bar does not deploy during a roll over collision. In order to reduce the chance of an incident where the pop-up roll bar is inoperative, all maintenance must be performed by a NISSAN or INFINITI dealer.
- Before removing and installing the pop-up roll bar component parts and harness, always turn the ignition switch OFF, disconnect the battery negative terminal, and wait for 3 minutes or more. (The purpose of this operation is to discharge electricity that is accumulated in the auxiliary power supply circuit in the air bag diagnosis sensor unit.)
- When repairing, removing, and installing a pop-up roll bar, always refer to SRS AIR BAG and SRS AIR BAG CONTROL warnings in the Service Manual.

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PRECAUTIONS

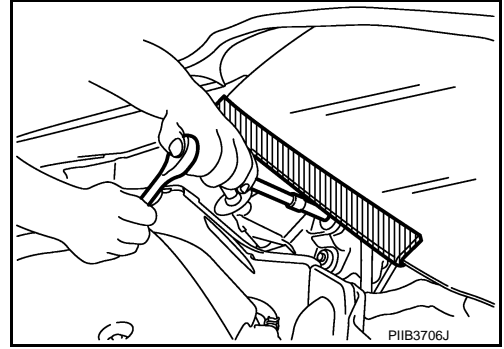
< PRECAUTION >

[POWER SUPPLY & GROUND CIRCUIT]

Precaution for Procedure without Cowl Top Cover

INFOID:000000005142606

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



PREPARATION

[POWER SUPPLY & GROUND CIRCUIT]

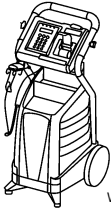
< PREPARATION >

PREPARATION

PREPARATION

Special Service Tools

INFOID:000000004372346

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>

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BATTERY

< REMOVAL AND INSTALLATION >

[POWER SUPPLY & GROUND CIRCUIT]

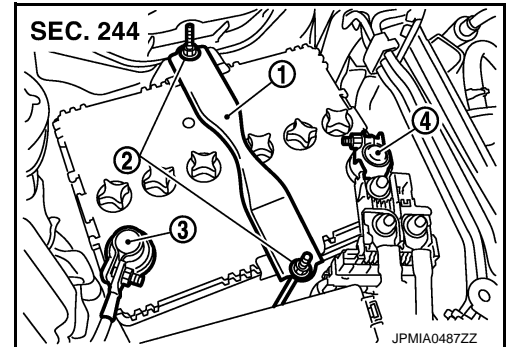
REMOVAL AND INSTALLATION

BATTERY

Exploded View

INFOID:000000004372347

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



Removal and Installation

INFOID:000000004372348

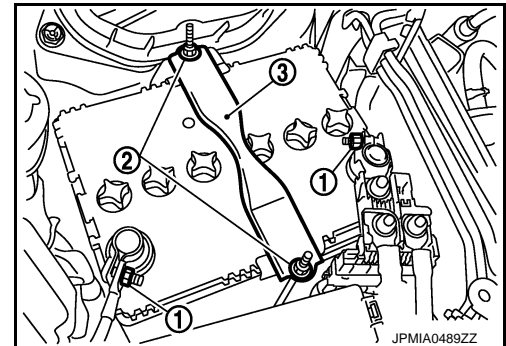
REMOVAL

1. Remove battery cover.
2. Remove cowl top cover (RH). Refer to [EXT-21, "Removal and Installation"](#).
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

: 3.9 N·m (0.40 kg·m, 35 in·lb)

Battery terminal nut

: 5.4 N·m (0.55 kg·m, 48 in·lb)

Reset electronic systems as necessary. Refer to [GI-50, "ADDITIONAL SERVICE WHEN REMOVING BATTERY NEGATIVE TERMINAL : Required Procedure After Battery Disconnection"](#).

BATTERY TERMINAL WITH FUSIBLE LINK

< REMOVAL AND INSTALLATION >

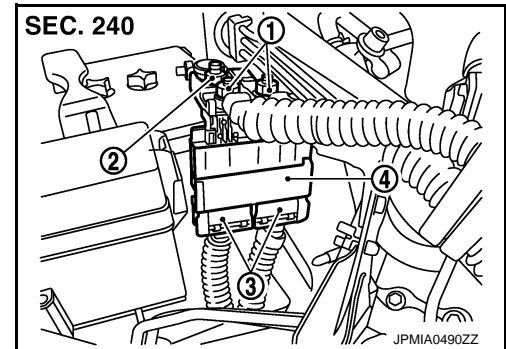
[POWER SUPPLY & GROUND CIRCUIT]

BATTERY TERMINAL WITH FUSIBLE LINK

Exploded View

INFOID:000000004372349

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

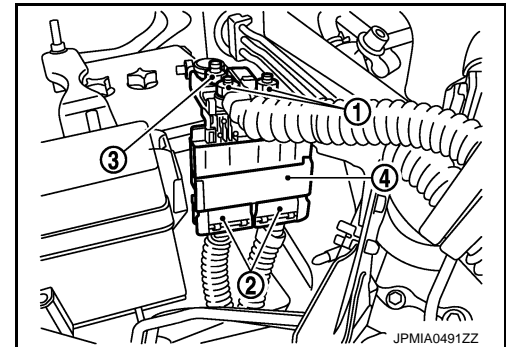


Removal and Installation

INFOID:000000004372350

REMOVAL

1. Remove battery cover.
2. Disconnect the battery cable from the negative terminal.
3. Remove cover of battery positive terminal.
4. Remove harness mounting nuts (1) to disconnect harness connector (2).
5. 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:000000004372351

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