

SECTION **PG**

POWER SUPPLY, GROUND & CIRCUIT ELEMENTS

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BASIC INSPECTION

BATTERY

How to Handle Battery

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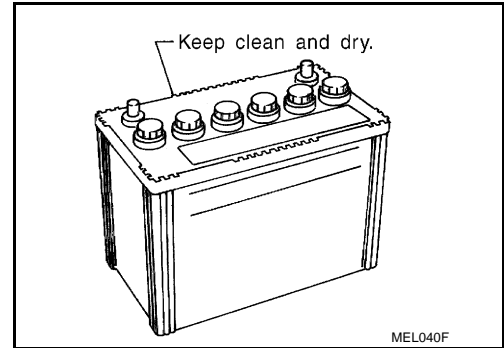
CAUTION:

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

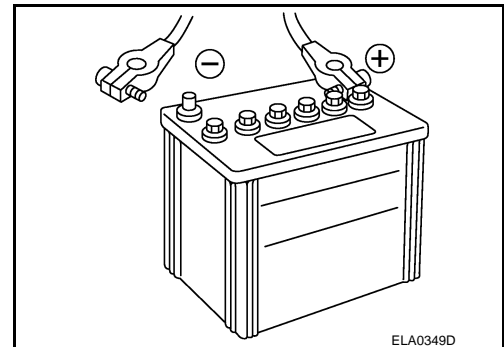
METHODS OF PREVENTING OVER-DISCHARGE

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

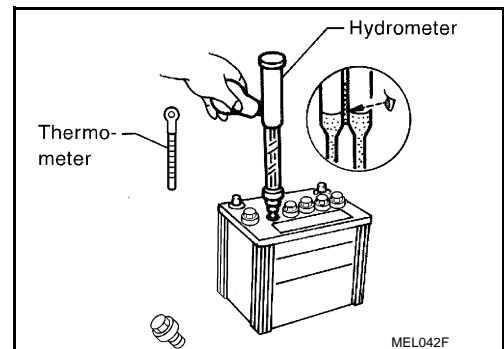
- The battery surface (particularly its top) should always be kept clean and dry.
- The terminal connections should be clean and tight.
- At every routine maintenance, check the electrolyte level. This also applies to batteries designated as "low maintenance" and "maintenance-free".



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



- Check the charge condition of the battery. Periodically check the specific gravity of the electrolyte. Keep a close check on charge condition to prevent over-discharge.



CHECKING ELECTROLYTE LEVEL

WARNING:

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

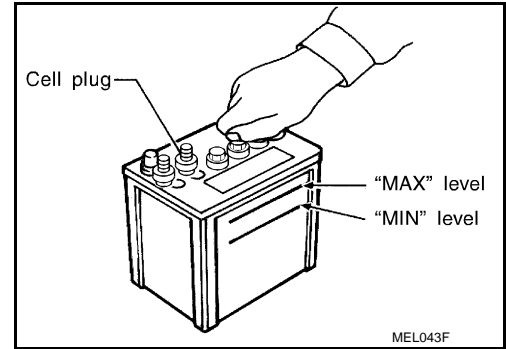
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BATTERY

[POWER SUPPLY & GROUND CIRCUIT]

< BASIC INSPECTION >

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

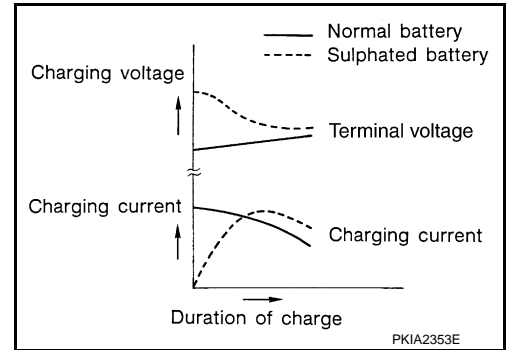


Sulphation

A battery will be completely discharged if it is left unattended for a long time and the specific gravity will become less than 1.100. This may result in sulphation on the cell plates.

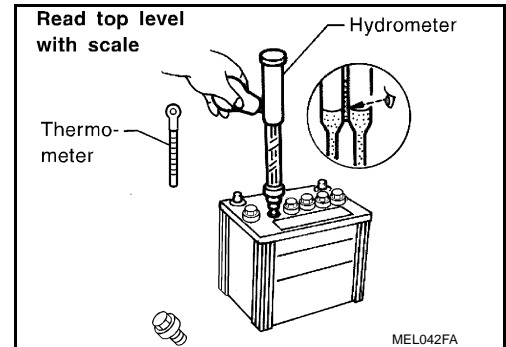
To determine if a battery has been “sulphated”, note its voltage and current when charging it. As shown in the figure, less current and higher voltage are observed in the initial stage of charging sulphated batteries.

A sulphated battery may sometimes be brought back into service by means of a long, slow charge, 12 hours or more, followed by a battery capacity test.



SPECIFIC GRAVITY CHECK

1. Read hydrometer and thermometer indications at eye level.
2. Use the chart below to correct your hydrometer reading according to electrolyte temperature.



Hydrometer Temperature Correction

Battery electrolyte temperature [°C (°F)]	Add to specific gravity reading
71 (160)	0.032
66 (150)	0.028
60 (140)	0.024
54 (130)	0.020
49 (120)	0.016
43 (110)	0.012
38 (100)	0.008
32 (90)	0.004
27 (80)	0
21 (70)	-0.004
16 (60)	-0.008
10 (50)	-0.012
4 (40)	-0.016
-1 (30)	-0.020
-7 (20)	-0.024

BATTERY

< BASIC INSPECTION >

[POWER SUPPLY & GROUND CIRCUIT]

Battery electrolyte temperature [°C (°F)]	Add to specific gravity reading
-12 (10)	-0.028
-18 (0)	-0.032

Corrected specific gravity	Approximate charge condition
1.260 - 1.280	Fully charged
1.230 - 1.250	3/4 charged
1.200 - 1.220	1/2 charged
1.170 - 1.190	1/4 charged
1.140 - 1.160	Almost discharged
1.110 - 1.130	Completely discharged

CHARGING THE BATTERY

CAUTION:

- Never “quick charge” a fully discharged battery.
- Keep the battery away from open flame while it is being charged.
- When connecting the charger, connect the leads first, then turn on the charger. Never turn on the charger first, as this may cause a spark.
- If battery electrolyte temperature rises above 55 °C (131 °F), stop charging. Always charge battery at a temperature below 55 °C (131 °F).

Charging Rates

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

Do not charge at more than 50 ampere rate.

NOTE:

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

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

Work Flow

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TROUBLE DIAGNOSIS WITH BATTERY SERVICE CENTER

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

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

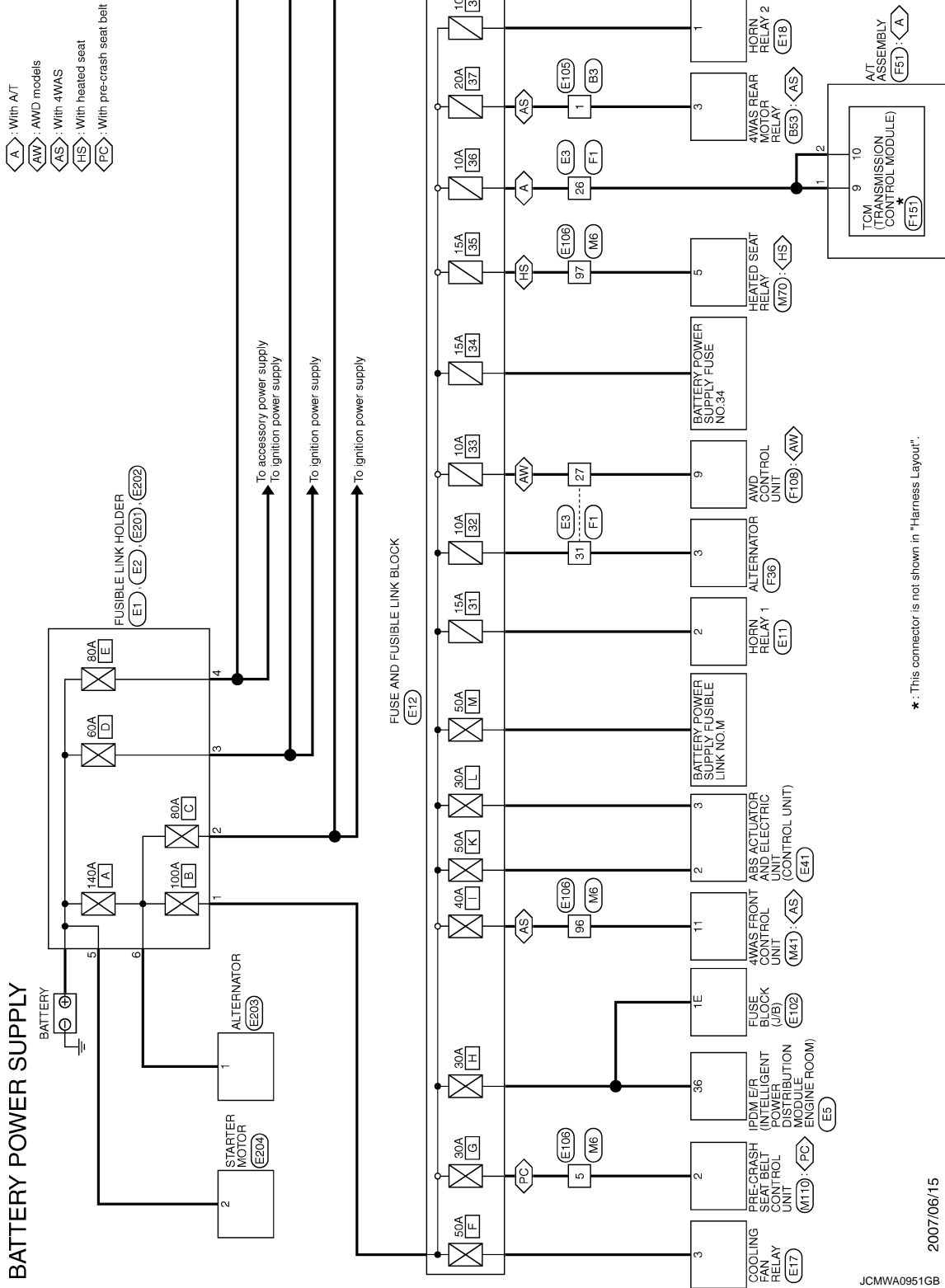
[POWER SUPPLY & GROUND CIRCUIT]

DTC/CIRCUIT DIAGNOSIS

POWER SUPPLY ROUTING CIRCUIT

Wiring Diagram - BATTERY POWER SUPPLY -

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

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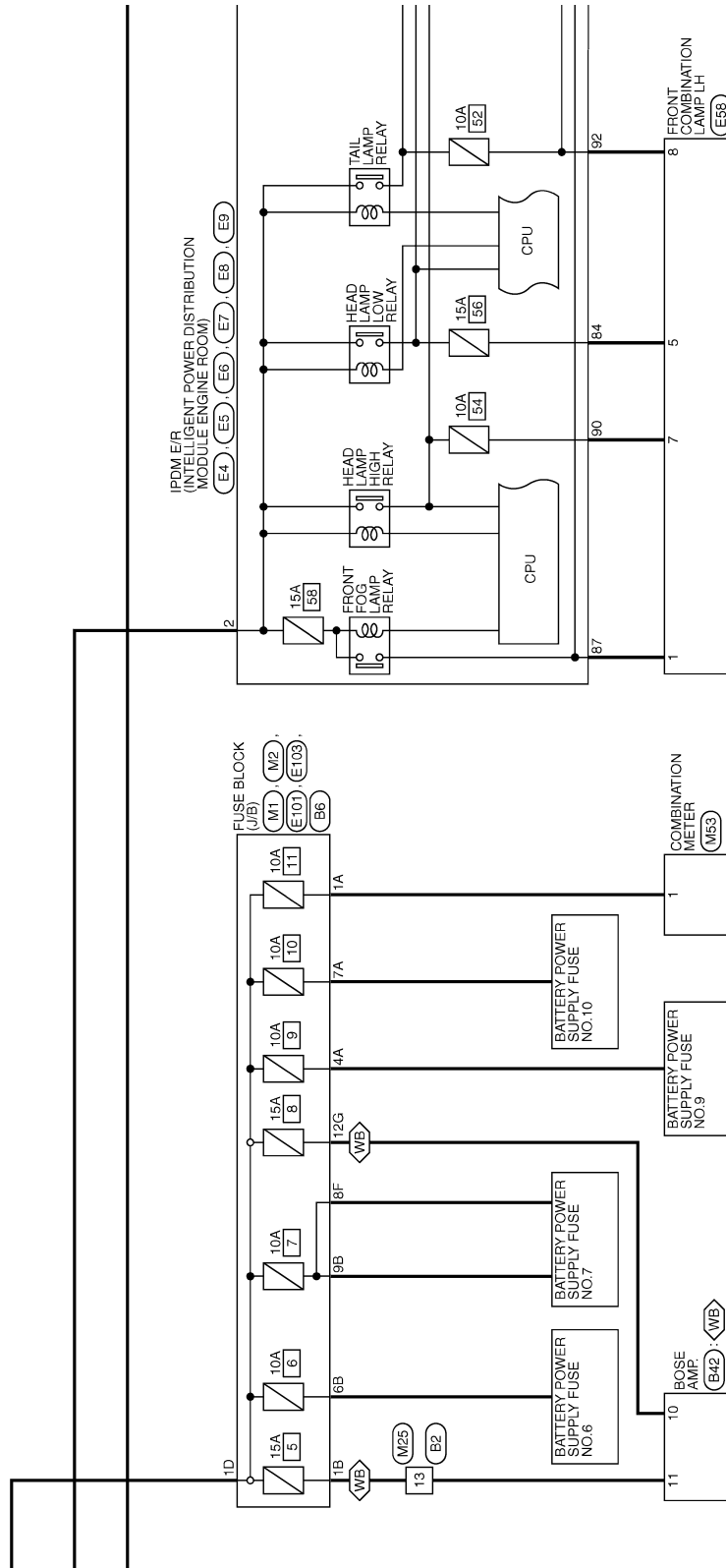
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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

◁WB▷ : With BOSE system



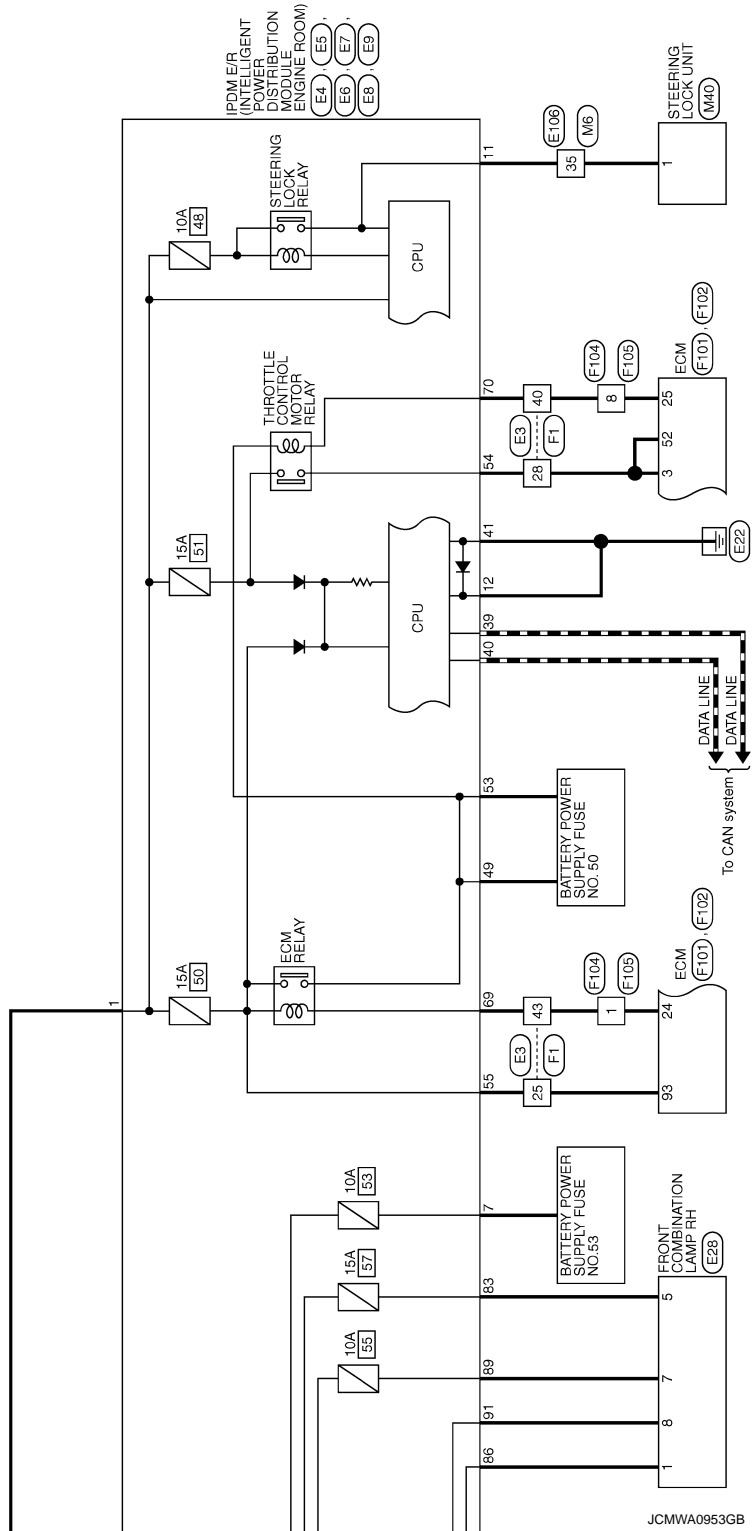
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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]



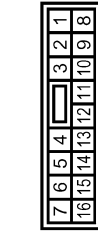
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY

Connector No.	B2
Connector Name	WIRE TO WIRE
Connector Type	MS2LFW-GS



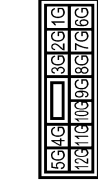
Terminal No.	13	GR	Signal Name [Specification]

Connector No.	E3
Connector Name	WIRE TO WIRE
Connector Type	MS2FW-LC



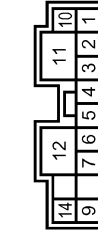
Terminal No.	1	R	Signal Name [Specification]
	2		

Connector No.	B6
Connector Name	FUSE BLOCK (J/B)
Connector Type	MS2ZFB-GS



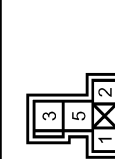
Terminal No.	12G	Y	Signal Name [Specification]

Connector No.	B42
Connector Name	BOSE AMP.
Connector Type	SGA2ZFB-SJA2



Terminal No.	10	Y	Signal Name [Specification]
	11	GR	BATTERY
			BATTERY

Connector No.	B53
Connector Name	4WAS REAR MOTOR RELAY
Connector Type	MS2FL-W2



Terminal No.	3	R	Signal Name [Specification]

Connector No.	E1
Connector Name	FUSIBLE LINK HOLDER
Connector Type	LD2FBR-MC



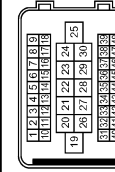
Terminal No.	1	R	Signal Name [Specification]
	2	W	

Connector No.	E2
Connector Name	FUSIBLE LINK HOLDER
Connector Type	LD2FGY-MC



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

Connector No.	E3
Connector Name	WIRE TO WIRE
Connector Type	SAAS8MB-RS10-SJ22



Terminal No.	25	BR	Signal Name [Specification]
	26	R	
	27	O	
	28	R	
	31	LG	
	40	O	
	43	W	

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY

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



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

Connector No.	E5
Connector Name	IPDM E/R (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	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	TH08FW-NH



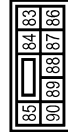
Terminal No.	Color of Wire	Signal Name [Specification]
39	P	-
40	L	-
41	B/W	-

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



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

Connector No.	E8
Connector Name	IPDM E/R (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	-
90	P	-

Connector No.	E9
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	TH18FW-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	LG	-

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



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

















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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY

Connector No. E1B	HORN RELAY 2	MS3FW-FLC		Terminal No. 1	Color of Wire R	Signal Name [Specification]	Terminal No. 1	Color of Wire L	Signal Name [Specification]
Connector Name	HORN RELAY 2			1	R		1	L	
Connector Type		MS3FW-FLC		2			2		
									
Connector No. E18	FRONT COMBINATION LAMP RH	RS38FB-PR		Terminal No. 1	Color of Wire W	Signal Name [Specification]	Terminal No. 1	Color of Wire L	Signal Name [Specification]
Connector Name	FRONT COMBINATION LAMP RH			5	R		5	P	
Connector Type		RS38FB-PR		7	BR		7	P	
									
Connector No. E41	ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT)	EAA42EB-AH24-LH		Terminal No. 2	Color of Wire G	Signal Name [Specification]	Terminal No. 2	Color of Wire L	Signal Name [Specification]
Connector Name	ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT)			3	R	UBMR	3	P	
Connector Type		EAA42EB-AH24-LH				UBVR			
									
Connector No. E58	FRONT COMBINATION LAMP LH	RS38FB-PR		Terminal No. 1	Color of Wire L	Signal Name [Specification]	Terminal No. 1	Color of Wire L	Signal Name [Specification]
Connector Name	FRONT COMBINATION LAMP LH			5	P		5	P	
Connector Type		RS38FB-PR		7	P		7	P	
									
Connector No. E101	FUSE BLOCK (J/B)	L01FW-MC		Terminal No. 1D	Color of Wire R	Signal Name [Specification]	Terminal No. 1	Color of Wire L	Signal Name [Specification]
Connector Name	FUSE BLOCK (J/B)						1	L	
Connector Type		L01FW-MC					2		
									
Connector No. E102	FUSE BLOCK (J/B)	M02FB-LC		Terminal No. 2E1E	Color of Wire G	Signal Name [Specification]	Terminal No. 1	Color of Wire L	Signal Name [Specification]
Connector Name	FUSE BLOCK (J/B)						1	L	
Connector Type		M02FB-LC							
									
Connector No. E103	FUSE BLOCK (J/B)	NS16FW-CS		Terminal No. 8F	Color of Wire L	Signal Name [Specification]	Terminal No. 1	Color of Wire L	Signal Name [Specification]
Connector Name	FUSE BLOCK (J/B)						1	L	
Connector Type		NS16FW-CS							
									
Connector No. E105	WIRE TO WIRE	M02MW-LC		Terminal No. 1	Color of Wire L	Signal Name [Specification]	Terminal No. 1	Color of Wire L	Signal Name [Specification]
Connector Name	WIRE TO WIRE						1	L	
Connector Type		M02MW-LC							
									

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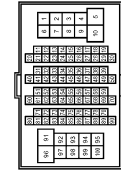
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY

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



Terminal No.	Color of Wire	Signal Name [Specification]
5	W	-
35	BR	-
96	R	-
97	R	-

Connector No.	E201
Connector Name	FUSIBLE LINK HOLDER
Connector Type	24340-39908



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

Connector No.	E202
Connector Name	FUSIBLE LINK HOLDER
Connector Type	24340-39905



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

Connector No.	E203
Connector Name	ALTERNATOR
Connector Type	24340-68F45



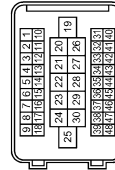
Terminal No.	Color of Wire	Signal Name [Specification]
1	R	B

Connector No.	E204
Connector Name	STARTER MOTOR
Connector Type	24348-51E61



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

Connector No.	F1
Connector Name	WIRE TO WIRE
Connector Type	SAA39FB-RS10-SJ22



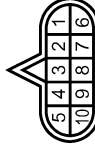
Terminal No.	Color of Wire	Signal Name [Specification]
25	P	-
26	BR	-
27	O	-
28	R	-
31	V	-
40	O	-
43	BR	-

Connector No.	F36
Connector Name	ALTERNATOR
Connector Type	HS303FB



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

Connector No.	F51
Connector Name	A/T ASSEMBLY
Connector Type	FRK19FG-DGY



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

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY

Connector No.	F101
Connector Name	ECM
Connector Type	RH40FB-R28-L-LH-Z

Terminal No.	Color of Wire	Signal Name [Specification]
3	R	VMOT1
24	BR	SSOFF
25	O	MOTRLY1

Connector No.	F102
Connector Name	ECM
Connector Type	RH40FER-R28-L-LH-Z

Terminal No.	Color of Wire	Signal Name [Specification]
52	R	VMOT2
93	P	BATT

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

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

Connector No.	F105
Connector Name	WIRE TO WIRE
Connector Type	TH08MF-NH

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

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

Terminal No.	Color of Wire	Signal Name [Specification]
9	O	AWD SOL BATT

Connector No.	F151
Connector Name	TCM (TRANSMISSION CONTROL MODULE)
Connector Type	SPI0FBGY

Terminal No.	Color of Wire	Signal Name [Specification]
9	W	STANDBY SUPPLY-1
10	GR	STANDBY SUPPLY-2

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

Terminal No.	Color of Wire	Signal Name [Specification]
1A	V	-
4A	P	-
7A	R	-

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

Terminal No.	Color of Wire	Signal Name [Specification]
1B	SB	-
6B	Y	-
9B	SB	-

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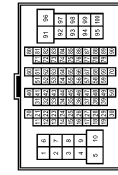
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

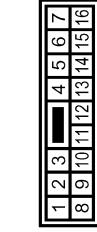
BATTERY POWER SUPPLY

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



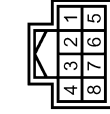
Terminal No.	Color of Wire	Signal Name [Specification]
5	W	-
35	BR	-
96	R	-
97	L	-

Connector No.	M25
Connector Name	WIRE TO WIRE
Connector Type	HS16MW-CS



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

Connector No.	M40
Connector Name	STEERING LOCK UNIT
Connector Type	TH80FW-NH



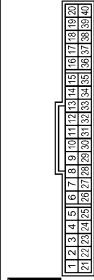
Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	S/L 12V (MECHANICAL)

Connector No.	M41
Connector Name	4WAS FRONT CONTROL UNIT
Connector Type	SM42EGY



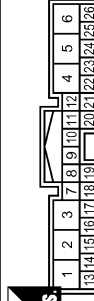
Terminal No.	Color of Wire	Signal Name [Specification]
11	R	F-MTR PWR SUPPLY

Connector No.	M63
Connector Name	COMBINATION METER
Connector Type	SAG4FW



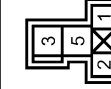
Terminal No.	Color of Wire	Signal Name [Specification]
1	V	BAT

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

Connector No.	M70
Connector Name	HEATED SEAT RELAY
Connector Type	MS02FL-M2



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

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POWER SUPPLY ROUTING CIRCUIT

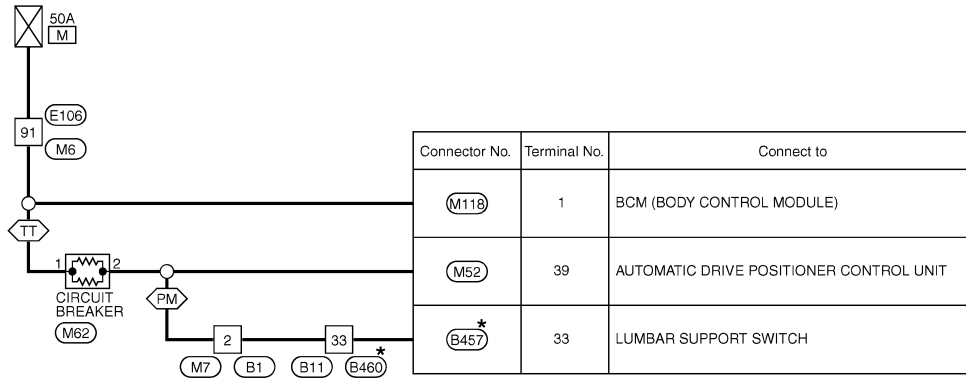
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - BATTERY POWER SUPPLY FUSIBLE LINK No. M - BATTERY POWER SUPPLY FUSIBLE LINK NO.M

INFOID:000000001835306

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



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

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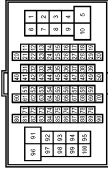
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]



BATTERY POWER SUPPLY FUSIBLE LINK NO.M

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



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

Connector No.	B11
Connector Name	WIRE TO WIRE
Connector Type	NS16FW-CS



Terminal No.	33	SB	—
Color of Wire	SB	—	—
Signal Name [Specification]	—		

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


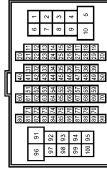
Terminal No.	33	R	—
Color of Wire	R	—	—
Signal Name [Specification]	—		

Connector No.	B460
Connector Name	WIRE TO WIRE (WITH AUTOMATIC DRIVE POSITIONER)
Connector Type	NS16WF-CS


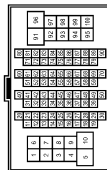
Terminal No.	33	R	—
Color of Wire	R	—	—
Signal Name [Specification]	—		

Connector No.	E108
Connector Name	WIRE TO WIRE
Connector Type	TH8DFW-CS16-TM4



Terminal No.	91	W	—
Color of Wire	W	—	—
Signal Name [Specification]	—		

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TH8DFW-CS16-TM4



Terminal No.	91	W	—
Color of Wire	W	—	—
Signal Name [Specification]	—		

Connector No.	M7
Connector Name	WIRE TO WIRE
Connector Type	TH8DFW-CS16-TM4

Terminal No.	2	SB	—
Color of Wire	SB	—	—
Signal Name [Specification]	— [With automatic drive positioner]		

Connector No.	M52
Connector Name	AUTOMATIC DRIVE POSITIONER CONTROL UNIT
Connector Type	NS16FP-CS

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

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSIBLE LINK NO.M

Connector No.	M62
Connector Name	CIRCUIT BREAKER
Connector Type	IM32FY-F-LC



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	SB	- [With automatic drive positioner] - [Without automatic drive positioner]

Connector No.	M118
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	IM32FB-LC



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

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POWER SUPPLY ROUTING CIRCUIT

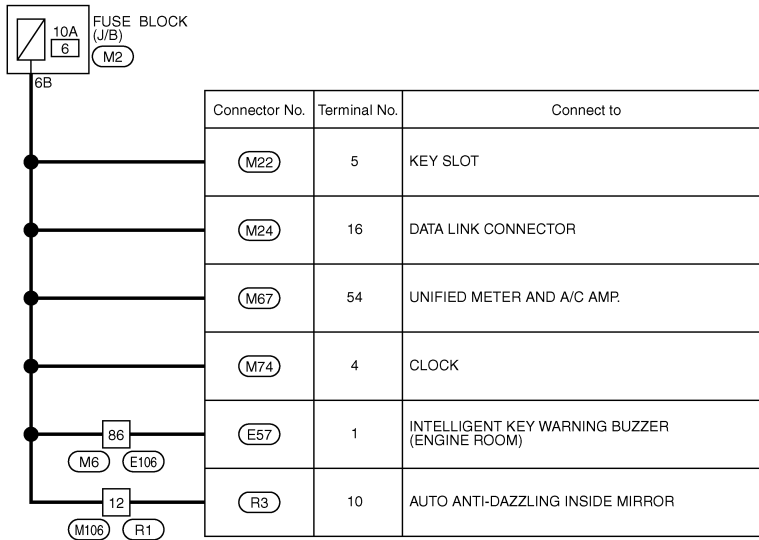
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 6 -

INFOID:000000001835307

BATTERY POWER SUPPLY FUSE NO.6



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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

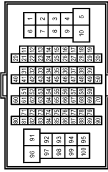
BATTERY POWER SUPPLY FUSE NO.6

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



Terminal No.	1	Color of Wire	LG	Signal Name [Specification]	
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Connector No.	E05
Connector Name	WIRE TO WIRE
Connector Type	TH60FW-CS16-TM4



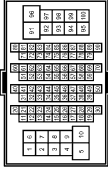
Terminal No.	86	Color of Wire	LG	Signal Name [Specification]	
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Connector No.	M2
Connector Name	FUSE BLOCK (J/B)
Connector Type	HSJ0FW-CS



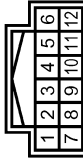
Terminal No.	6B	Color of Wire	Y	Signal Name [Specification]	
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Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TH60MH-CS16-TM4



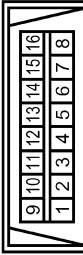
Terminal No.	86	Color of Wire	Y	Signal Name [Specification]	
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Connector No.	M22
Connector Name	KEY SLOT
Connector Type	TH12FW-NH



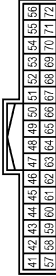
Terminal No.	5	Color of Wire	Y	Signal Name [Specification]	ILL BAT
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Connector No.	M24
Connector Name	DATA LINK CONNECTOR
Connector Type	BD16FW



Terminal No.	16	Color of Wire	R	Signal Name [Specification]	
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Connector No.	M67
Connector Name	UNIFIED METER AND A/C AMP.
Connector Type	TH32FW-NH



Terminal No.	54	Color of Wire	Y	Signal Name [Specification]	BAT
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Connector No.	M74
Connector Name	CLOCK
Connector Type	TH04FW-NH



Terminal No.	4	Color of Wire	Y	Signal Name [Specification]	BAT
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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE NO.6

Connector No.	M105
Connector Name	WIRE TO WIRE
Connector Type	TK00WV-NS8



Terminal No.	12	Y	-
Color of Wire			
Signal Name [Specification]			

Connector No.	R1
Connector Name	WIRE TO WIRE
Connector Type	TK10FW-NS8



Terminal No.	12	G	-
Color of Wire			
Signal Name [Specification]			

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



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

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

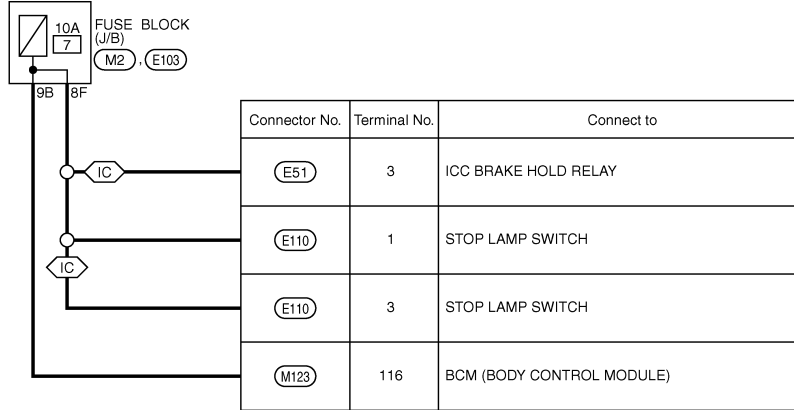
[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 7 -

INFOID:000000001835308

BATTERY POWER SUPPLY FUSE NO.7

⬠ IC ⬠ With ICC



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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE NO.7

Connector No.	E51
Connector Name	ICC BRAKE HOLD RELAY
Connector Type	MS22EL-M2



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

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



Terminal No.	8F	L	-	-
Color of Wire				
Signal Name [Specification]				

Connector No.	E110
Connector Name	STOP LAMP SWITCH
Connector Type	MS4FW-LC



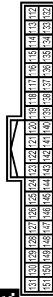
Terminal No.	1	L	-	-
Color of Wire				
Signal Name [Specification]				
Terminal No.	3	L	-	-
Color of Wire				
Signal Name [Specification]				

Connector No.	M2
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS10FY-CS



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

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



Terminal No.	116	SB	-	-
Color of Wire				
Signal Name [Specification]				
Signal Name [Specification]				

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

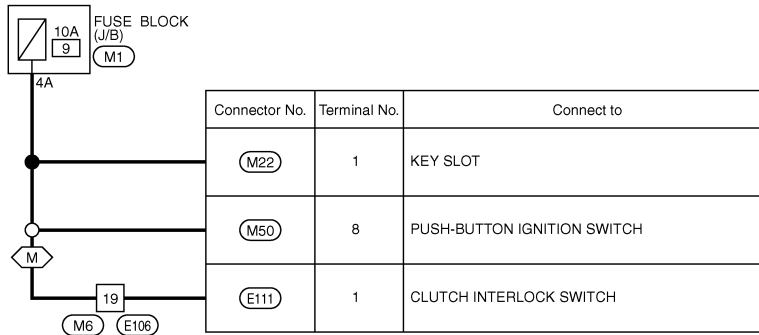
[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 9 -

INFOID:000000001835309

BATTERY POWER SUPPLY FUSE NO.9

◊ M ◊ : With M/T



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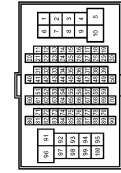
POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

BATTERY POWER SUPPLY FUSE NO.9

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



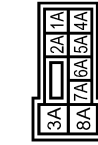
Terminal No.	19	Color of Wire	G	Signal Name [Specification]	
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Connector No.	E111
Connector Name	CLUTCH INTERLOCK SWITCH
Connector Type	SZ2EL



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



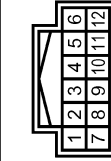
Terminal No.	4A	Color of Wire	P	Signal Name [Specification]	
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Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-GS16-TM4



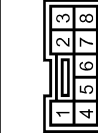
Terminal No.	13	Color of Wire	G	Signal Name [Specification]	
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Connector No.	M22
Connector Name	KEY SLOT
Connector Type	TH12FW-NH



Terminal No.	1	Color of Wire	R	Signal Name [Specification]	BAT
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Connector No.	M50
Connector Name	PUSH-BUTTON IGNITION SWITCH
Connector Type	TK08FB



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

< DTC/CIRCUIT DIAGNOSIS >

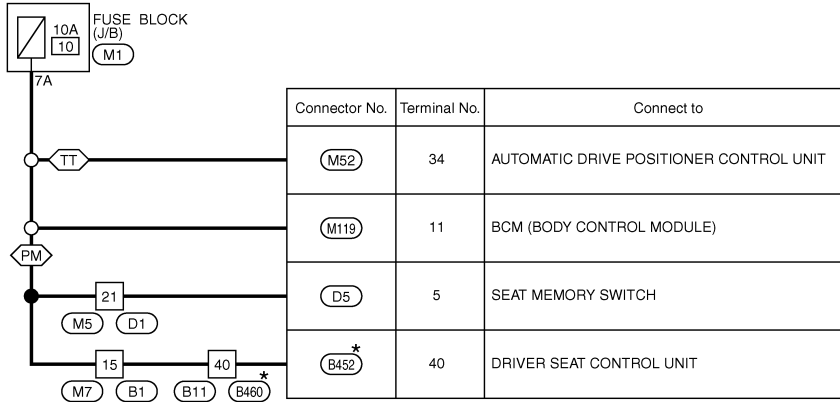
[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 10 -

INFOID:000000001835310

BATTERY POWER SUPPLY FUSE NO.10

◁PM▷ : With automatic drive positioner
 ▷TT◁ : With tilt & telescopic system



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

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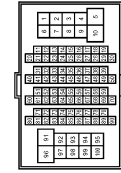
POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

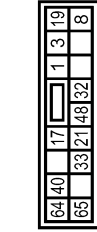
BATTERY POWER SUPPLY FUSE NO.10

Connector No.	B1
Connector Name	WIRE TO WIRE
Connector Type	TH40FW-CS16-TM4



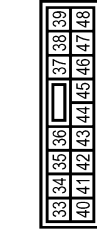
Terminal No.	15	BR	-	Signal Name [Specification]
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Connector No.	B11
Connector Name	WIRE TO WIRE
Connector Type	NS16FW-CS



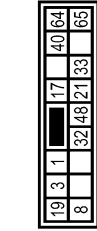
Terminal No.	40	BR	-	Signal Name [Specification]
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Connector No.	B432
Connector Name	DRIVER SEAT CONTROL UNIT
Connector Type	NS16FW-CS



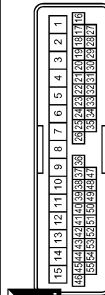
Terminal No.	40	R/W	BAT(FUSE)	Signal Name [Specification]
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Connector No.	B460
Connector Name	WIRE TO WIRE (WITH AUTOMATIC DRIVE POSITIONER)
Connector Type	NS16MW-CS



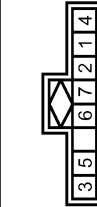
Terminal No.	40	R/W	-	Signal Name [Specification]
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Connector No.	D1
Connector Name	WIRE TO WIRE
Connector Type	TH40FW-CS15



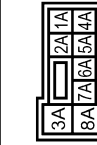
Terminal No.	21	R	-	Signal Name [Specification]
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Connector No.	D5
Connector Name	SEAT MEMORY SWITCH
Connector Type	A08FW



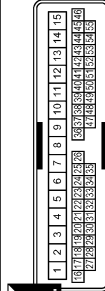
Terminal No.	5	R	-	Signal Name [Specification]
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Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS36FW-M2



Terminal No.	7A	R	-	Signal Name [Specification]
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Connector No.	M5
Connector Name	WIRE TO WIRE
Connector Type	TH40MW-CS15



Terminal No.	21	W	-	Signal Name [Specification]
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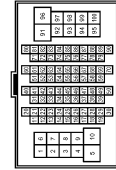
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]


BATTERY POWER SUPPLY FUSE NO.10

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




Terminal No.	15	Color of Wire	BR	Signal Name [Specification]	-
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Connector No.	M52
Connector Name	AUTOMATIC DRIVE POSITIONER CONTROL UNIT
Connector Type	NS16FW-CS



Terminal No.	34	Color of Wire	V	Signal Name [Specification]	BAT (FUSE)
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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)
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POWER SUPPLY ROUTING CIRCUIT

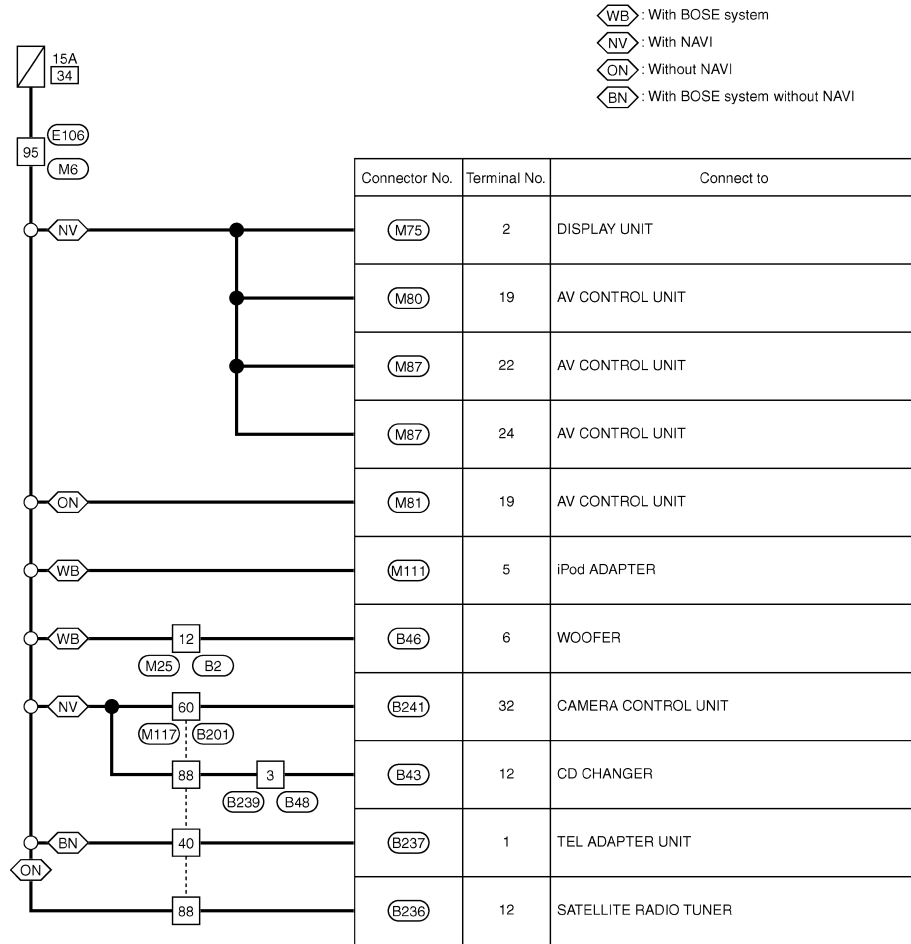
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 34 -

INFOID:000000001835311

BATTERY POWER SUPPLY FUSE NO.34



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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE NO.34

Connector No.	B2
Connector Name	WIRE TO WIRE
Connector Type	HS16FW-GS



Terminal No.	12	Y	
Color of Wire			Signal Name [Specification]
			BATTERY

Connector No.	B43
Connector Name	OD CHANGER
Connector Type	A16FW



Terminal No.	12	Y	
Color of Wire			Signal Name [Specification]
			BATTERY

Connector No.	B46
Connector Name	WOOFER
Connector Type	HS36FB-GS



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

Connector No.	B48
Connector Name	WIRE TO WIRE
Connector Type	A16MW



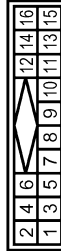
Terminal No.	3	Y	
Color of Wire			Signal Name [Specification]

Connector No.	B201
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-GS16-TM4



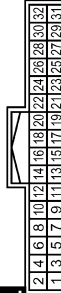
Terminal No.	40	Y	
	60	L	
	88	Y	
Color of Wire			Signal Name [Specification]

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



Terminal No.	12	Y	
Color of Wire			Signal Name [Specification]
			BATTERY

Connector No.	B237
Connector Name	TEL ADAPTER UNIT
Connector Type	TH82FW-NH



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

Connector No.	B239
Connector Name	WIRE TO WIRE
Connector Type	A16FW



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

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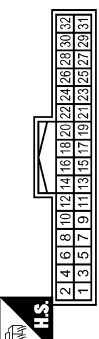
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]


BATTERY POWER SUPPLY FUSE NO.34

Connector No.	B241
Connector Name	CAMERA CONTROL UNIT
Connector Type	TH32FW-NH




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

Connector No.	E105
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4



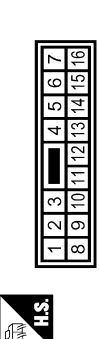
Terminal No.	Color of Wire	Signal Name [Specification]
95	Y	-

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




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

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




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

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




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

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



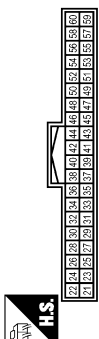
Terminal No.	Color of Wire	Signal Name [Specification]
19	Y	BATTERY

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



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

Connector No.	M87
Connector Name	AV CONTROL UNIT (WITH NAVI)
Connector Type	TH40FW-NH



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

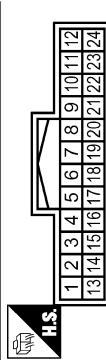
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

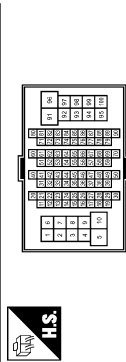
BATTERY POWER SUPPLY FUSE NO.34

Connector No.	M111
Connector Name	iPod ADAPTER
Connector Type	THE4FW-RH



Terminal No.	Color of Wire	Signal Name (Specification)
5	Y	BATTERY

Connector No.	M117
Connector Name	WIRE TO WIRE
Connector Type	THE60MW-CS(E)-TM



Terminal No.	Color of Wire	Signal Name (Specification)
40	Y	-
60	Y	-
88	Y	-

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POWER SUPPLY ROUTING CIRCUIT

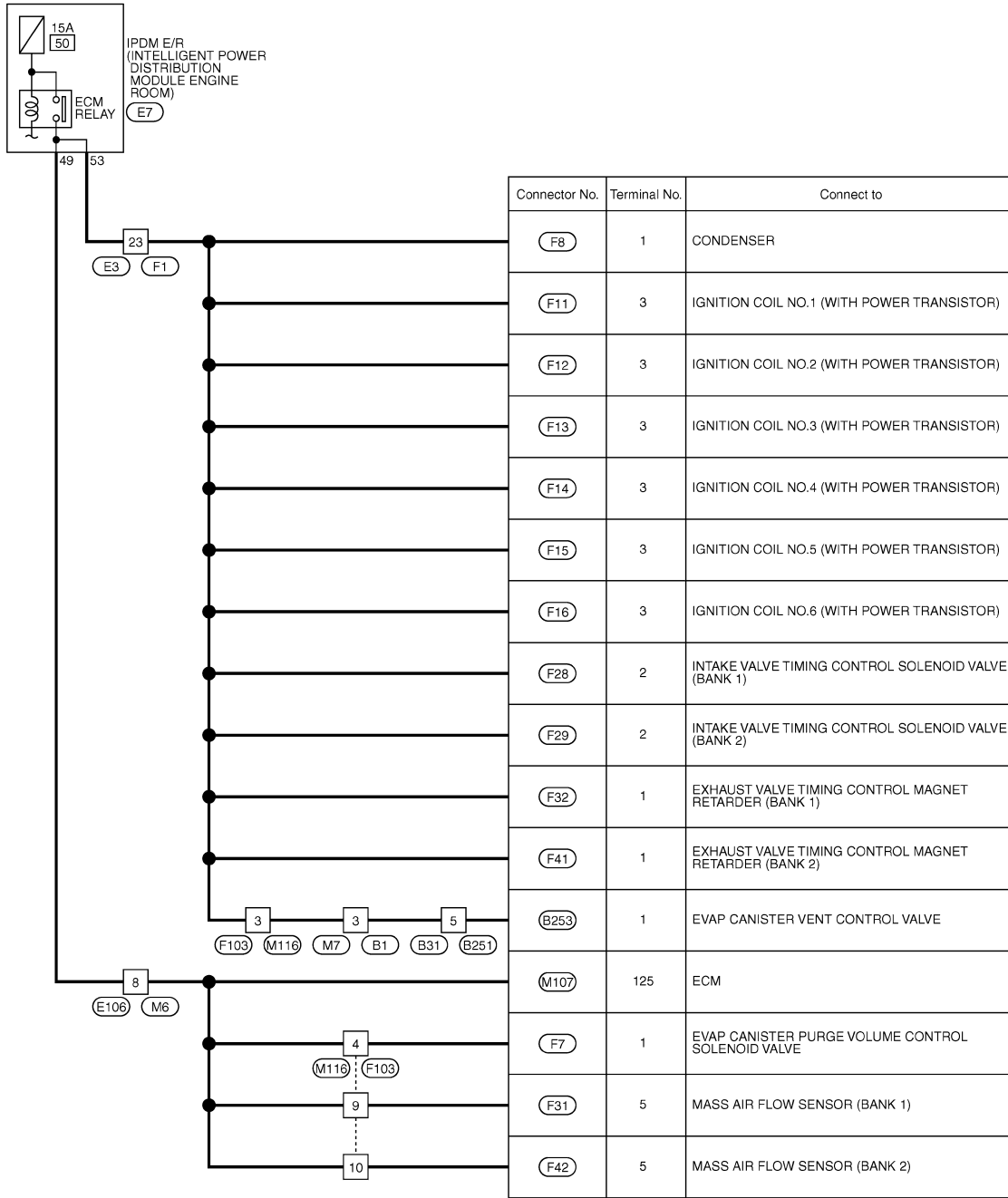
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 50 -

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BATTERY POWER SUPPLY FUSE NO.50



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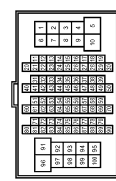
POWER SUPPLY ROUTING CIRCUIT

[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.	3	V	-
Color of Wire	V	-	-
Signal Name [Specification]	-	-	-

Connector No.	B31
Connector Name	WIRE TO WIRE
Connector Type	RS08FB-PR




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

Connector No.	B251
Connector Name	WIRE TO WIRE
Connector Type	RS06MB



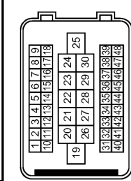
Terminal No.	5	W	-
Color of Wire	W	-	-
Signal Name [Specification]	-	-	-

Connector No.	B253
Connector Name	EVAP CANISTER VENT CONTROL VALVE
Connector Type	ED2FB-RS



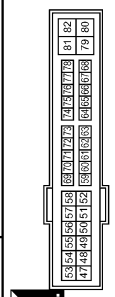
Terminal No.	1	W	-
Color of Wire	W	-	-
Signal Name [Specification]	-	-	-

Connector No.	E3
Connector Name	WIRE TO WIRE
Connector Type	SAA38FB-RS10-SJ22



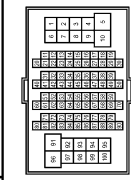
Terminal No.	23	W	-
Color of Wire	W	-	-
Signal Name [Specification]	-	-	-

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



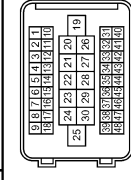
Terminal No.	49	R	W
Color of Wire	R	W	-
Signal Name [Specification]	-	-	-

Connector No.	E108
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4



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

Connector No.	F1
Connector Name	WIRE TO WIRE
Connector Type	SAA38FB-RS10-SJ22



Terminal No.	23	W	-
Color of Wire	W	-	-
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.	F7
Connector Name	EVAP CANISTER PURGE VOLUME CONTROL SOLENOID VALVE
Connector Type	EQ3FL-RS-LGY



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

Connector No.	F8
Connector Name	CONDENSER
Connector Type	MD2EW-LC



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

Connector No.	F11
Connector Name	IGNITION COIL NO.1 (WITH POWER TRANSISTOR)
Connector Type	EQ3FGY-RS



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

Connector No.	F12
Connector Name	IGNITION COIL NO.2 (WITH POWER TRANSISTOR)
Connector Type	EQ3FGY-RS



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

Connector No.	F13
Connector Name	IGNITION COIL NO.3 (WITH POWER TRANSISTOR)
Connector Type	EQ3FGY-RS



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

Connector No.	F14
Connector Name	IGNITION COIL NO.4 (WITH POWER TRANSISTOR)
Connector Type	EQ3FGY-RS



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

Connector No.	F15
Connector Name	IGNITION COIL NO.5 (WITH POWER TRANSISTOR)
Connector Type	EQ3FGY-RS



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

Connector No.	F16
Connector Name	IGNITION COIL NO.6 (WITH POWER TRANSISTOR)
Connector Type	EQ3FGY-RS



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

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POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

BATTERY POWER SUPPLY FUSE NO.50

Connector No.	F28
Connector Name	INTAKE VALVE TIMING CONTROL SOLENOID VALVE (BANK 1)
Connector Type	E02FG-RS-L0Y



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

Connector No.	F29
Connector Name	INTAKE VALVE TIMING CONTROL SOLENOID VALVE (BANK 2)
Connector Type	E02FG-RS-L0Y



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

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



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

Connector No.	F32
Connector Name	EXHAUST VALVE TIMING CONTROL MAGNET RETARDER (BANK 1)
Connector Type	RS04FL-B



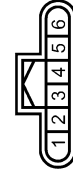
Terminal No.	1	R	
Color of Wire			Signal Name [Specification]

Connector No.	F41
Connector Name	EXHAUST VALVE TIMING CONTROL MAGNET RETARDER (BANK 2)
Connector Type	RS04FL-B



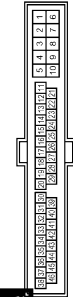
Terminal No.	1	R	
Color of Wire			Signal Name [Specification]

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



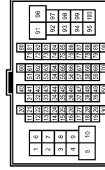
Terminal No.	5	GR	
Color of Wire			Signal Name [Specification]

Connector No.	F103
Connector Name	WIRE TO WIRE
Connector Type	TR68FW-NS10



Terminal No.	3	W	
Color of Wire			Signal Name [Specification]
Terminal No.	4	Y	
Color of Wire			Signal Name [Specification]
Terminal No.	10	GR	
Color of Wire			Signal Name [Specification]

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TR68MP-CS16-TM4



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

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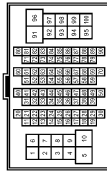
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

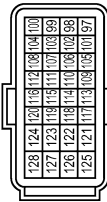
BATTERY POWER SUPPLY FUSE NO.50

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



Terminal No.	3	Color of Wire	O	Signal Name [Specification]	-
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Connector No.	M107
Connector Name	ECM
Connector Type	RH24FY-R28-R-LH-Z



Terminal No.	125	Color of Wire	R	Signal Name [Specification]	VBR
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Connector No.	M116
Connector Name	WIRE TO WIRE
Connector Type	TK38MW-NS/D



Terminal No.	3	Color of Wire	O	Signal Name [Specification]	-
4	R	-	-	-	
9	R	-	-	-	
10	R	-	-	-	

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POWER SUPPLY ROUTING CIRCUIT

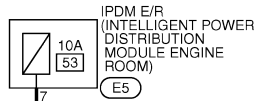
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[POWER SUPPLY & GROUND CIRCUIT]

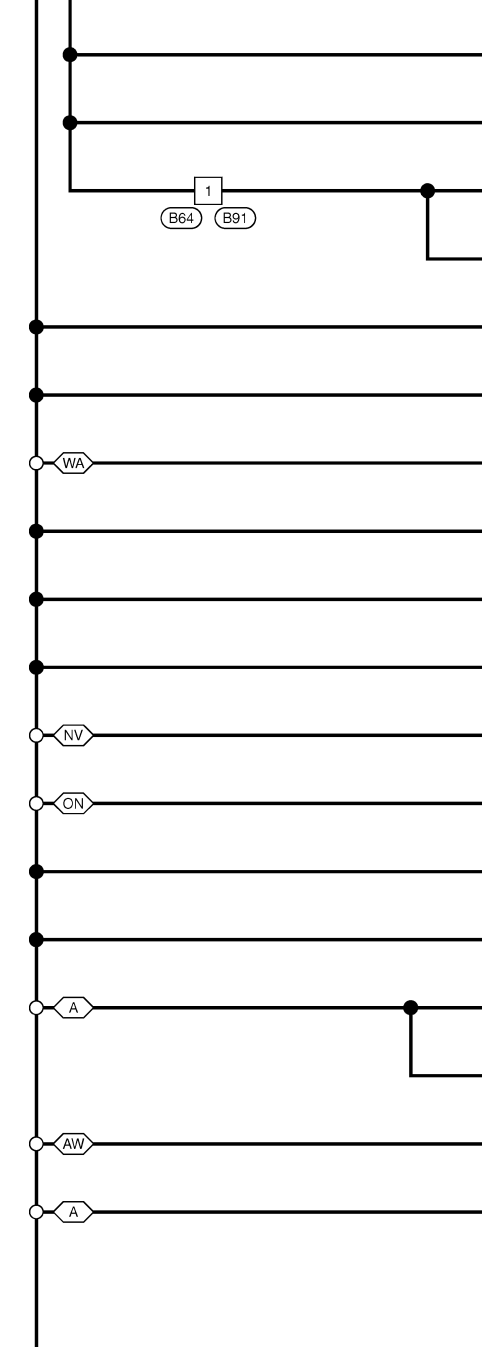
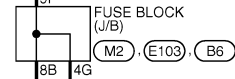
Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 53 -

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BATTERY POWER SUPPLY FUSE NO.53



- A : With A/T
- M : With M/T
- AW : AWD models
- WA : With AFS
- NV : With NAVI
- ON : Without NAVI
- PM : With automatic drive positioner
- XM : Except PM



Connector No.	Terminal No.	Connect to
B60	1	REAR COMBINATION LAMP LH
B67	1	REAR COMBINATION LAMP RH
B92	1	LICENSE PLATE LAMP LH
B93	1	LICENSE PLATE LAMP RH
M19	3	VDC OFF SWITCH
M20	3	TRUNK LID OPENER SWITCH
M21	5	AFS SWITCH
M35	23	COMBINATION SWITCH (SPIRAL CABLE)
M72	4	MULTIFUNCTION SWITCH
M74	2	CLOCK
M80	9	AV CONTROL UNIT
M81	9	AV CONTROL UNIT
M102	1	GLOVE BOX LAMP
M132	2	CIGARETTE LIGHTER SOCKET
M137	7	A/T SHIFT SELECTOR
M138	5	HEATED SEAT SWITCH (DRIVER SIDE)
M139	5	SNOW MODE SWITCH
M140	5	HEATED SEAT SWITCH (PASSENGER SIDE)

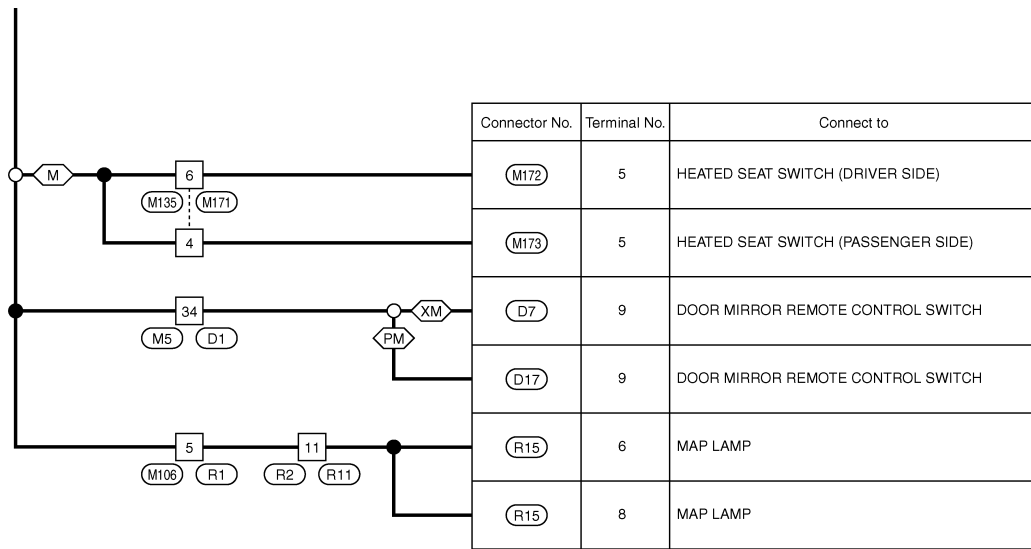
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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]



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POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

BATTERY POWER SUPPLY FUSE NO.53

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



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

Connector No.	B60
Connector Name	REAR COMBINATION LAMP LH
Connector Type	NS4MFW-CS



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

Connector No.	B64
Connector Name	WIRE TO WIRE
Connector Type	RK02FGY



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

Connector No.	B67
Connector Name	REAR COMBINATION LAMP RH
Connector Type	NS4MFW-CS



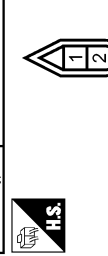
Terminal No.	I	R	
Color of Wire			
Signal Name [Specification]			

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



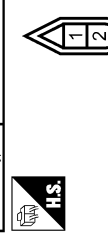
Terminal No.	I		
Color of Wire			
Signal Name [Specification]			

Connector No.	B82
Connector Name	LICENSE PLATE LAMP LH
Connector Type	RV02FBR



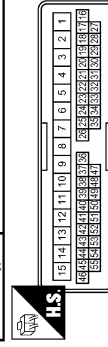
Terminal No.	I	G	
Color of Wire			
Signal Name [Specification]			

Connector No.	B83
Connector Name	LICENSE PLATE LAMP RH
Connector Type	RV02FBR



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

Connector No.	D1
Connector Name	WIRE TO WIRE
Connector Type	TH46PW-CS15



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

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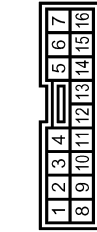
POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

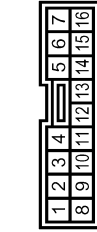
BATTERY POWER SUPPLY FUSE NO.53

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



Terminal No.	9	R	Signal Name [Specification]
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Connector No.	D17
Connector Name	DOOR MIRROR REMOTE CONTROL SWITCH (WITH AUTOMATIC DRIVE POSITIONER)
Connector Type	TK16FBR



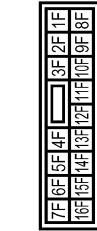
Terminal No.	9	R	Signal Name [Specification]
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Connector No.	E5
Connector Name	IPDM E/R INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	TH20FW-CS1Z-M4-1V



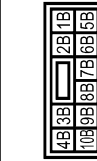
Terminal No.	7	R	Signal Name [Specification]
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Connector No.	E103
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS16FW-CS



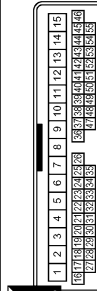
Terminal No.	9F	R	Signal Name [Specification]
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Connector No.	M2
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS10FW-CS



Terminal No.	8B	R	Signal Name [Specification]
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Connector No.	M5
Connector Name	WIRE TO WIRE
Connector Type	TH40MW-CS15



Terminal No.	34	G	Signal Name [Specification]
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Connector No.	M19
Connector Name	VDC OFF SWITCH
Connector Type	TK08FGY



Terminal No.	3	SB	Signal Name [Specification]
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Connector No.	M20
Connector Name	TRUNK LID OPENER SWITCH
Connector Type	TK08FW



Terminal No.	3	LG	Signal Name [Specification]
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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE NO.53

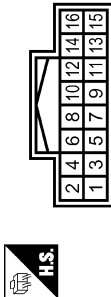
Connector No.	M21
Connector Name	AFS SWITCH
Connector Type	TK08FW-TV



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



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



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



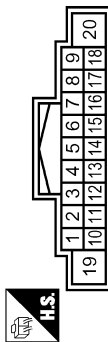
Terminal No.	5	O	-	Signal Name [Specification]
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Terminal No.	23	R	-	Signal Name [Specification]
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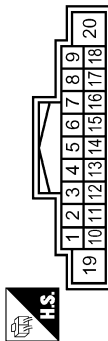
Terminal No.	4	O	ILL	Signal Name [Specification]
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Terminal No.	2	L	ILLUMINATION (+)	Signal Name [Specification]
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Connector No.	M80
Connector Name	AV CONTROL UNIT (WITH NAVI)
Connector Type	TH18FW-CS2



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



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



Connector No.	M106
Connector Name	WIRE TO WIRE
Connector Type	TK10MMV-NS8



Terminal No.	9	L	ILLUMINATION	Signal Name [Specification]
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Terminal No.	9	L	ILLUMINATION	Signal Name [Specification]
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Terminal No.	1	R	-	Signal Name [Specification]
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Terminal No.	5	R	-	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.	M132
Connector Name	CIGARETTE LIGHTER SOCKET
Connector Type	NS38FW-CS



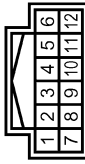
Terminal No.	2	BR		Signal Name [Specification]
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Connector No.	M135
Connector Name	WIRE TO WIRE
Connector Type	NS12FW-CS



Terminal No.	4	L		Signal Name [Specification]
Terminal No.	6	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.	M138
Connector Name	HEATED SEAT SWITCH (DRIVER SIDE)
Connector Type	NS96FW-CS



Terminal No.	5	R		Signal Name [Specification]
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Connector No.	M133
Connector Name	SNOW MODE SWITCH
Connector Type	TK98FW



Terminal No.	5	P		Signal Name [Specification]
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Connector No.	M140
Connector Name	HEATED SEAT SWITCH (PASSENGER SIDE)
Connector Type	NS96FB-CS



Terminal No.	5	L		Signal Name [Specification]
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Connector No.	M171
Connector Name	WIRE TO WIRE
Connector Type	NS12MW-CS



Terminal No.	4	R		Signal Name [Specification]
Terminal No.	6	P		

Connector No.	M172
Connector Name	HEATED SEAT SWITCH (DRIVER SIDE)
Connector Type	NS96FW-CS



Terminal No.	5	P		Signal Name [Specification]
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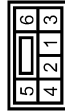
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE NO.53

Connector No.	M173
Connector Name	HEATED SEAT SWITCH (PASSENGER SIDE)
Connector Type	INS06BR-CS



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

Connector No.	R1
Connector Name	TK10FW-NSB
Connector Type	



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

Connector No.	R2
Connector Name	WIRED TO WIRE
Connector Type	TH12FW-NH



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

Connector No.	R11
Connector Name	WIRED TO WIRE
Connector Type	TH12MF-NH



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

Connector No.	R15
Connector Name	MAP LAMP
Connector Type	TK08FGY



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

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POWER SUPPLY ROUTING CIRCUIT

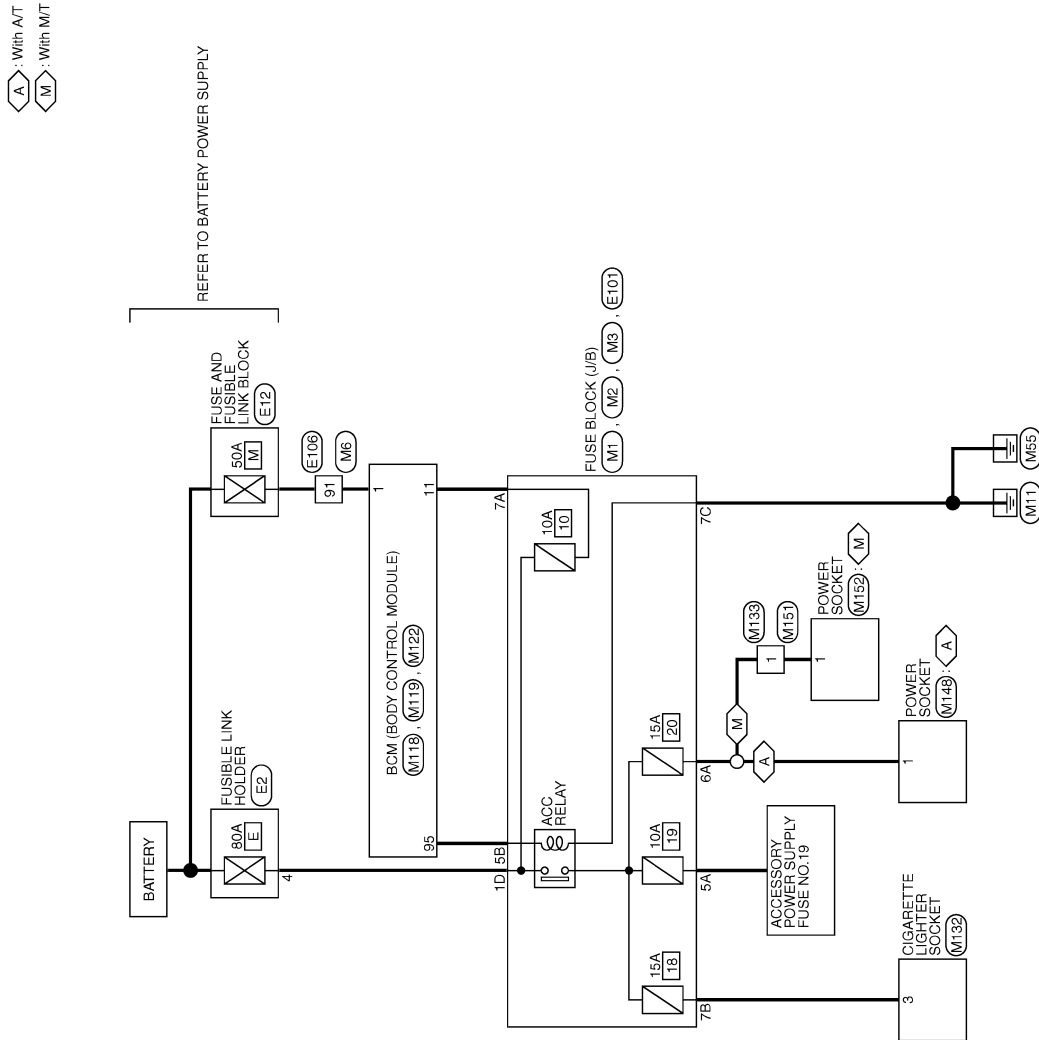
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - ACCESSORY POWER SUPPLY -

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ACCESSORY POWER SUPPLY



2007/06/15




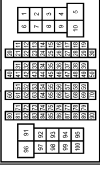





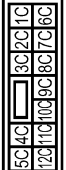


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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

ACCESSORY POWER SUPPLY

Connector No. E2	FUSIBLE LINK HOLDER	Connector No. E106	WIRE TO WIRE	Connector No. M1	FUSE BLOCK (J/B)	Terminal No. 4	Color of Wire R	Signal Name [Specification]	Terminal No. 5A	Color of Wire L	Signal Name [Specification]
Connector Name E07FY-MC	E07FY-MC	Connector Name TH80FW-CS16-TM4	TH80FW-CS16-TM4	Connector Name NS06FW-M2	NS06FW-M2	Terminal No. R	R	-	6A	Y	-
Connector Type E07FY-MC	E07FY-MC	Connector Type TH80FW-CS16-TM4	TH80FW-CS16-TM4	Connector Type NS06FW-M2	NS06FW-M2	Terminal No. R	R	-	7A	R	-
											
Connector No. M2	FUSE BLOCK (J/B)	Connector No. M3	FUSE BLOCK (J/B)	Connector No. M11B	BCM (BODY CONTROL MODULE)	Terminal No. 5B	Color of Wire O	Signal Name [Specification]	Terminal No. 1	Color of Wire W	Signal Name [Specification]
Connector Name MS1UPW-CS	MS1UPW-CS	Connector Name NS12FW-CS	NS12FW-CS	Connector Name MG0FB-LC	MG0FB-LC	Terminal No. 7B	P	-	BAT (F/L)		
Connector Type MS1UPW-CS	MS1UPW-CS	Connector Type NS12FW-CS	NS12FW-CS	Connector Type MG0FB-LC	MG0FB-LC						
											

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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-GS



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

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



Terminal No.	95	O	ACC CONT
Color of Wire			
Signal Name [Specification]			

Connector No.	M132
Connector Name	CIGARETTE LIGHTER SOCKET
Connector Type	NS303FW-GS



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

Connector No.	M133
Connector Name	WIRE TO WIRE
Connector Type	M02FB-LC



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

Connector No.	M148
Connector Name	POWER SOCKET
Connector Type	P02FB-Z



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

Connector No.	M151
Connector Name	WIRE TO WIRE
Connector Type	M02MB P-LC



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

Connector No.	M152
Connector Name	POWER SOCKET
Connector Type	P02FB-Z



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

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POWER SUPPLY ROUTING CIRCUIT

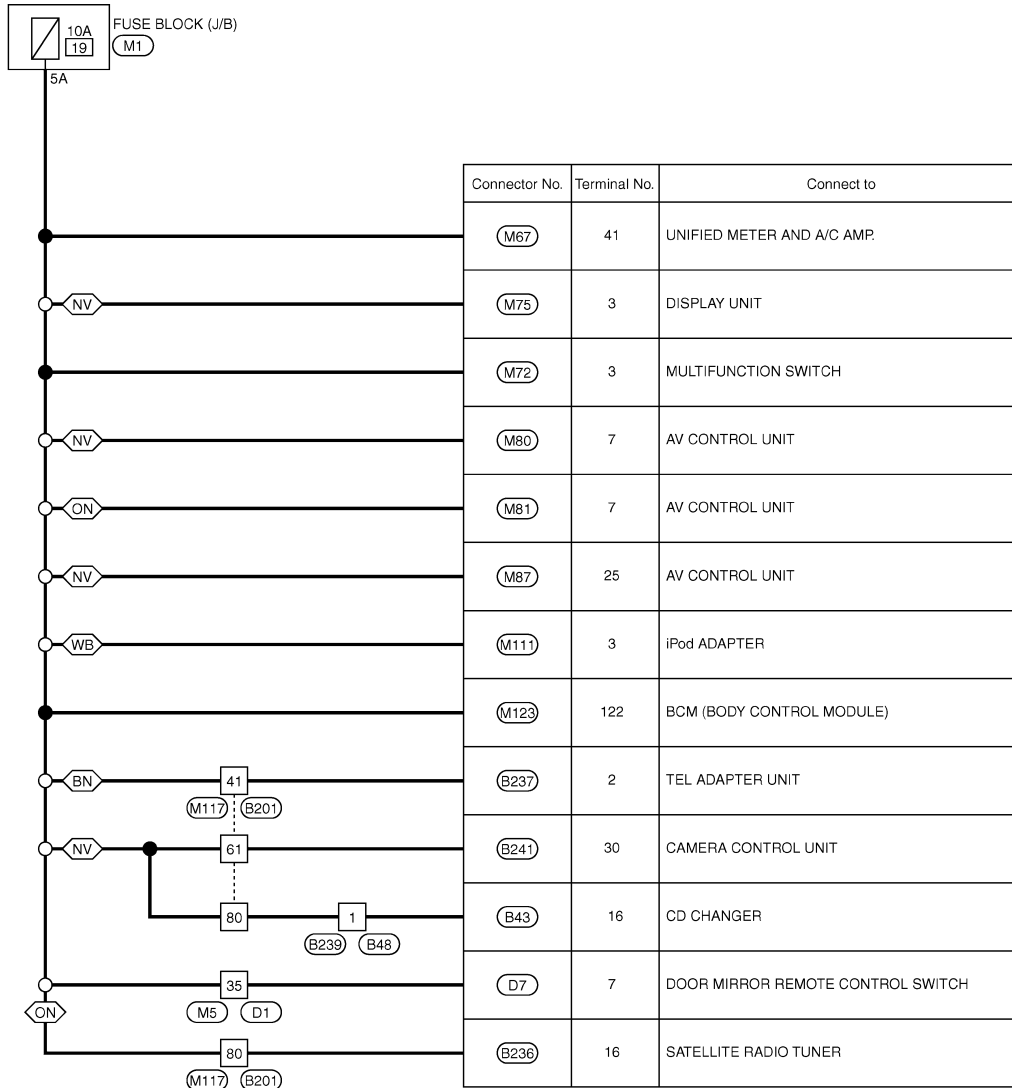
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - ACCESSORY POWER SUPPLY FUSE No. 19 - ACCESSORY POWER SUPPLY FUSE NO.19

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- ◊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]

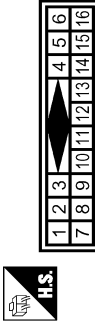
ACCESSORY POWER SUPPLY FUSE NO.19

Connector No.	B43
Connector Name	OD CHANGER
Connector Type	A16FW



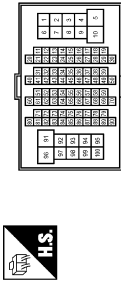
Terminal No.	16	Color of Wire	V	Signal Name [Specification]	ACC
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Connector No.	B48
Connector Name	WIRE TO WIRE
Connector Type	A16MW



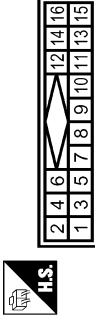
Terminal No.	1	Color of Wire	V	Signal Name [Specification]	-
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Connector No.	B201
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CSI(6-TM4)



Terminal No.	41	Color of Wire	LG	Signal Name [Specification]	-
Terminal No.	61	Color of Wire	LG	Signal Name [Specification]	-
Terminal No.	80	Color of Wire	V	Signal Name [Specification]	-

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



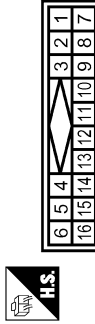
Terminal No.	16	Color of Wire	V	Signal Name [Specification]	ACC
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Connector No.	B237
Connector Name	TEL ADAPTER UNIT
Connector Type	TH32FW-NH



Terminal No.	2	Color of Wire	LG	Signal Name [Specification]	ACC
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Connector No.	B239
Connector Name	WIRE TO WIRE
Connector Type	A16FW



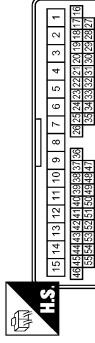
Terminal No.	1	Color of Wire	V	Signal Name [Specification]	-
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Connector No.	B241
Connector Name	CAMERA CONTROL UNIT
Connector Type	TH32FW-NH



Terminal No.	30	Color of Wire	LG	Signal Name [Specification]	ACC
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Connector No.	D1
Connector Name	WIRE TO WIRE
Connector Type	TH40FW-CSI5



Terminal No.	35	Color of Wire	V	Signal Name [Specification]	-
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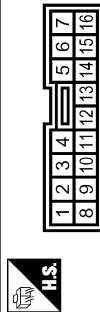
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

ACCESSORY POWER SUPPLY FUSE NO.19

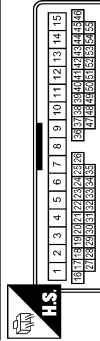
Connector No.	D7
Connector Name	ROCK SWITCH REMOTE CONTROL SWITCH (WITHOUT AUTOMATIC DRIVE POSITIONER)
Connector Type	TK16FW



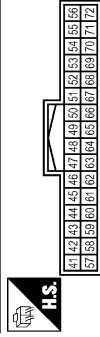
Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS06FW-M2



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



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



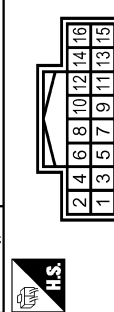
Terminal No.	7	V	ACC
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Terminal No.	5A	L	ACC
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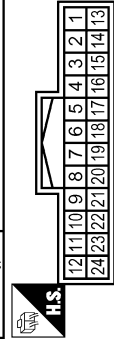
Terminal No.	35	Y	ACC
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Terminal No.	41	L	ACC
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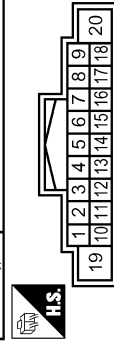
Connector No.	M72
Connector Name	MULTIFUNCTION SWITCH
Connector Type	TH16FW-NH



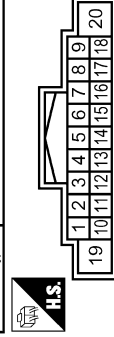
Connector No.	M75
Connector Name	DISPLAY UNIT (WITH NAVI)
Connector Type	TH24FW-NH



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



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



Terminal No.	3	L	ACC
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Terminal No.	3	LG	ACC
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Terminal No.	7	V	ACC
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Terminal No.	7	V	ACC
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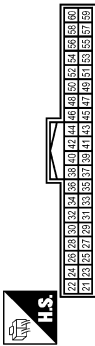
POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

ACCESSORY POWER SUPPLY FUSE NO.19

Connector No.	M87
Connector Name	AV CONTROL UNIT (WITH NAVI)
Connector Type	TH40FW-NH



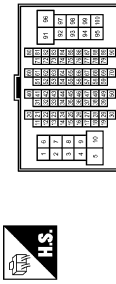
Terminal No.	25	Color of Wire	V	Signal Name [Specification]	ACC
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Connector No.	M111
Connector Name	IPod ADAPTER
Connector Type	TH24FW-NH



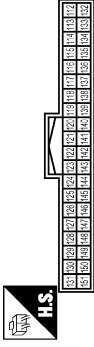
Terminal No.	3	Color of Wire	V	Signal Name [Specification]	ACC
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Connector No.	M117
Connector Name	WIRE TO WIRE
Connector Type	TH80MM-CS/8-TM4



Terminal No.	41	Color of Wire	G	Signal Name [Specification]	
61		SB			
80		W			

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



Terminal No.	122	Color of Wire	V	Signal Name [Specification]	ACC F/B
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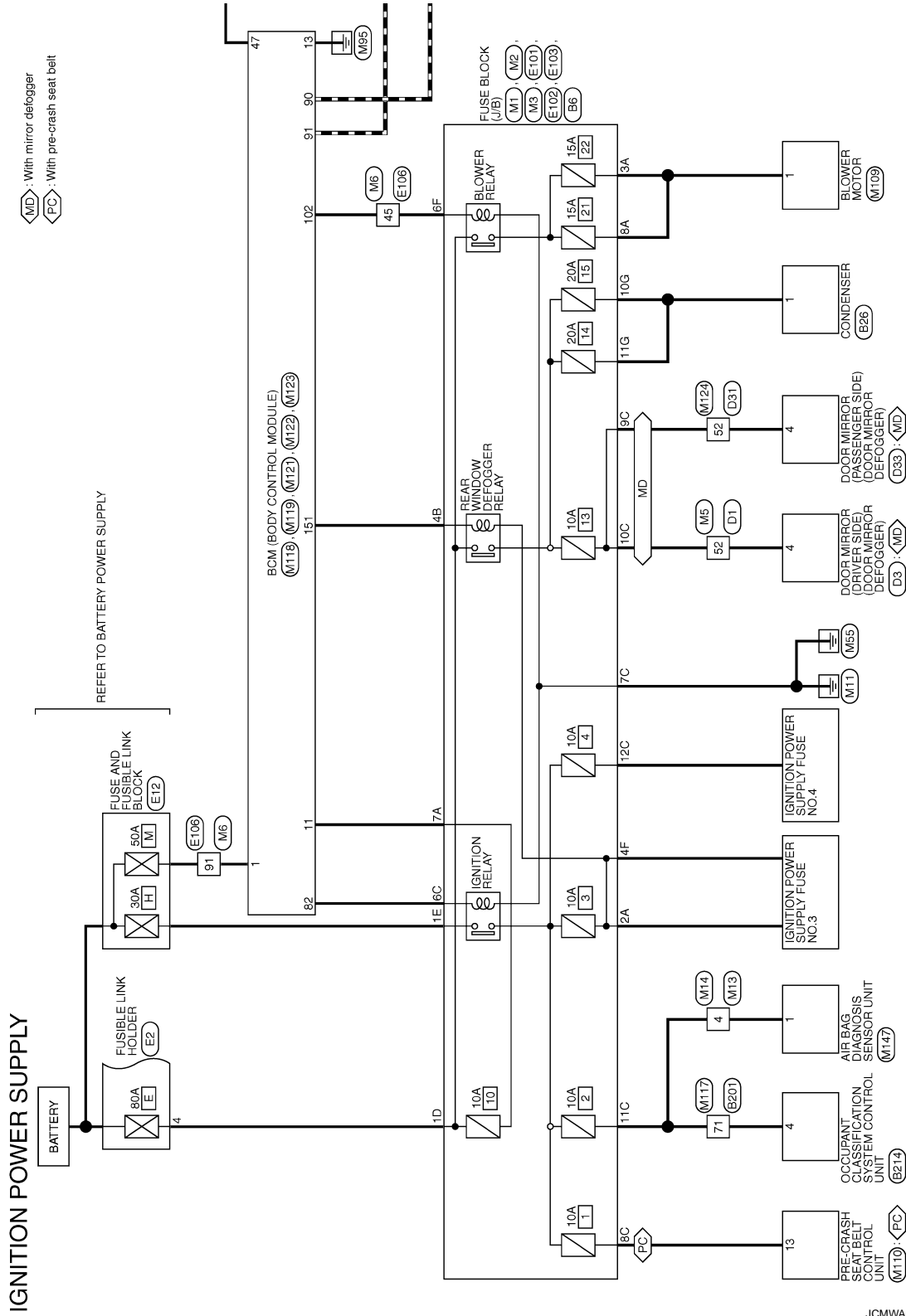
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - IGNITION POWER SUPPLY -

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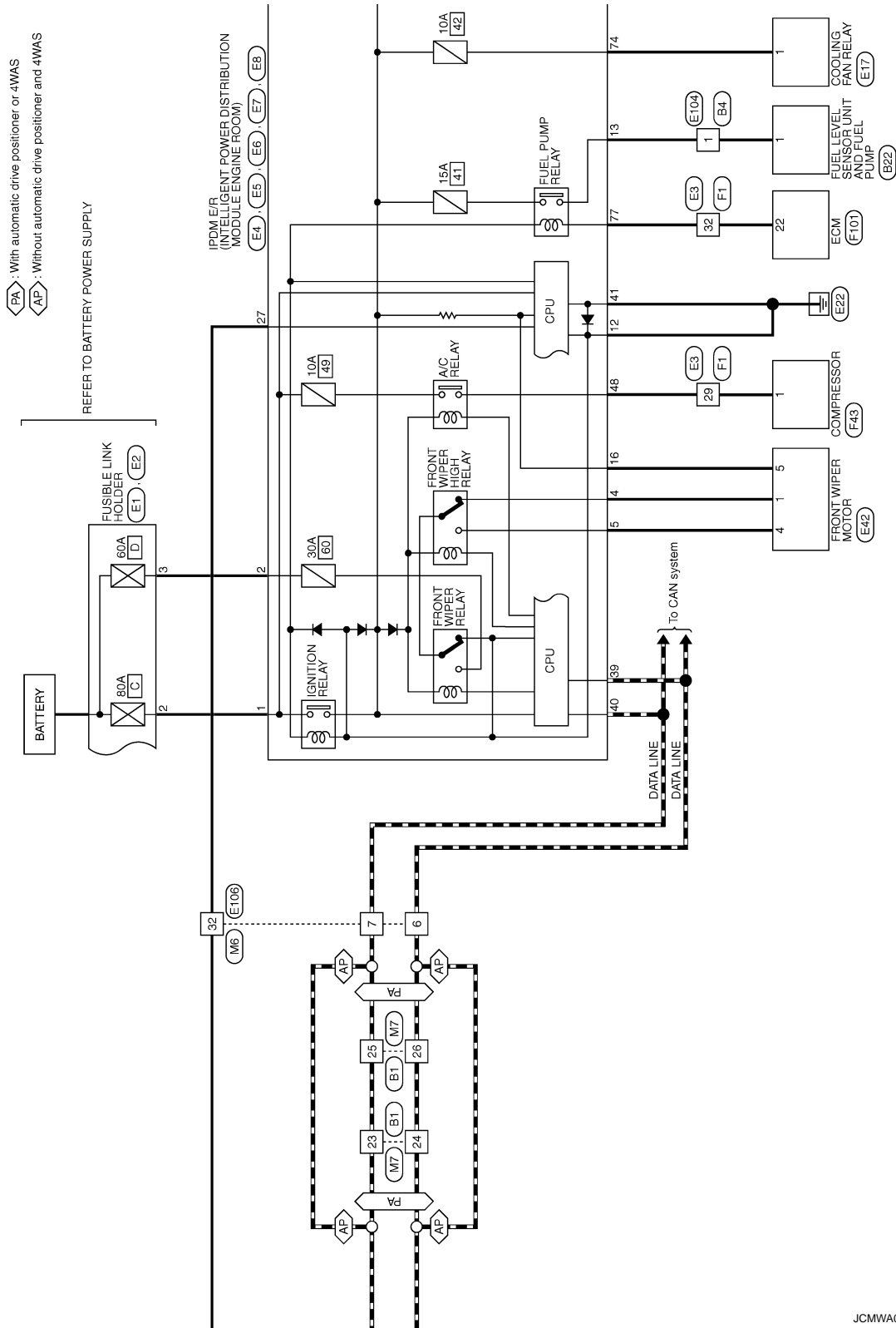
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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]



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POWER SUPPLY ROUTING CIRCUIT

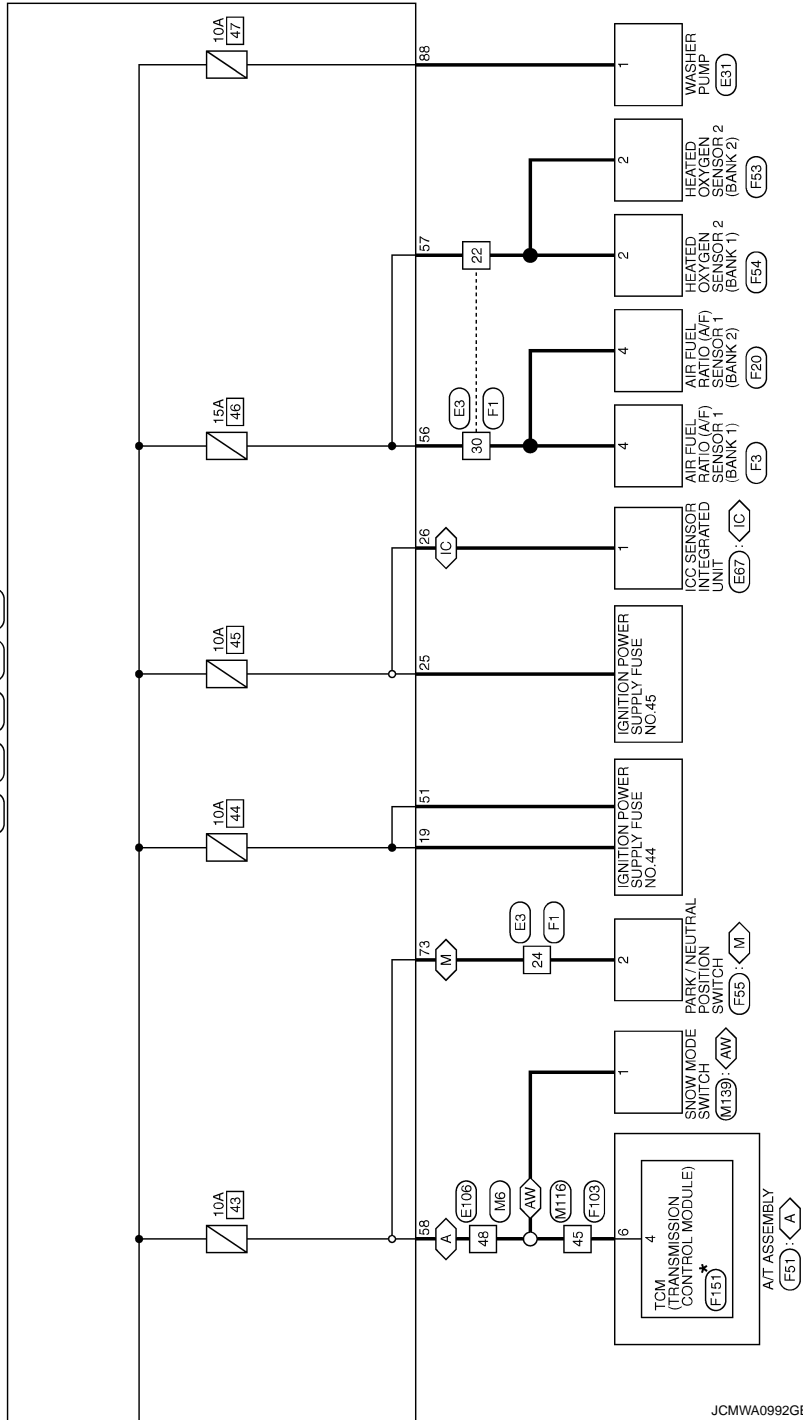
[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

- : With A/T
- : With M/T
- : AWD models
- : With ICC

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

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



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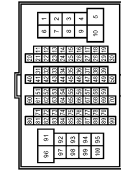
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

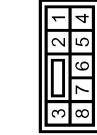
IGNITION POWER SUPPLY

Connector No.	B1
Connector Name	WIRE TO WIRE
Connector Type	TH80PW-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
23	L	-
24	P	-
25	L	-
26	P	-

Connector No.	B4
Connector Name	WIRE TO WIRE
Connector Type	NS08FW-CS



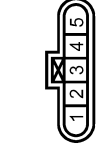
Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-

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



Terminal No.	Color of Wire	Signal Name [Specification]
10G	W	-
11G	W	-

Connector No.	B22
Connector Name	FUEL LEVEL SENSOR UNIT AND FUEL PUMP (MAIN)
Connector Type	EB5FGY-RS



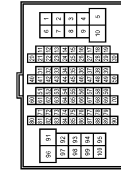
Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-

Connector No.	B28
Connector Name	CONDENSER
Connector Type	MD1FW-LC



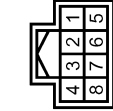
Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-

Connector No.	B201
Connector Name	WIRE TO WIRE
Connector Type	TH80PW-CS16-TM4



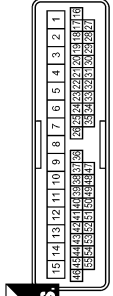
Terminal No.	Color of Wire	Signal Name [Specification]
71	R	-

Connector No.	B214
Connector Name	OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT
Connector Type	TH80PW-NH



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

Connector No.	D1
Connector Name	WIRE TO WIRE
Connector Type	TH40PW-CS15



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

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

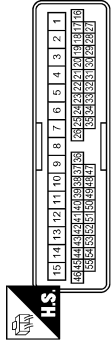
IGNITION POWER SUPPLY

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	TH40PW-CS1.5



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	FUSIBLE LINK HOLDER
Connector Type	L02FBR-MC



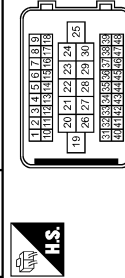
Terminal No.	2	W	-	-	-
Color of Wire	W	-	-	-	-
Signal Name [Specification]					

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



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

Connector No.	E3
Connector Name	WIRE TO WIRE
Connector Type	SA338MB-RS10-SJ22



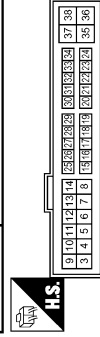
Terminal No.	22	R	-	-	-
Color of Wire	R	-	-	-	-
Signal Name [Specification]					

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



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

Connector No.	E5
Connector Name	IPDM/ER INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	TH20PW-CS12-MR-TV



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

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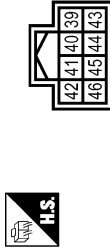
POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

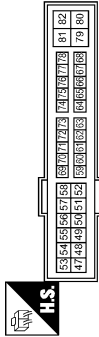
IGNITION POWER SUPPLY

Connector No.	E6
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	TH08FW-1H1



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

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



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

Connector No.	E8
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	HS08FW-CS



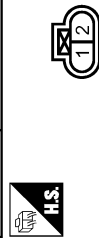
Terminal No.	Color of Wire	Signal Name [Specification]
88	G	-

Connector No.	E17
Connector Name	COOLING FAN RELAY
Connector Type	Z4347_9F500



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

Connector No.	E31
Connector Name	WASHER PUMP
Connector Type	E02FGY-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	RS08FB-FR



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

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



Terminal No.	Color of Wire	Signal Name [Specification]
ID	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	IM02FE-LC



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



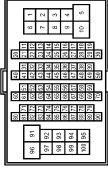
Terminal No.	4F	6F	Color of Wire	G	SB	Signal Name [Specification]	-
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Connector No.	E104
Connector Name	WIRE TO WIRE
Connector Type	NS038M-CS



Terminal No.	1	Color of Wire	Y	Signal Name [Specification]	-
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Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	TH80FY-CS (6-TM)



Terminal No.	6	Color of Wire	P	Signal Name [Specification]	-
7	L	-	-	-	-
32	O	-	-	-	-
45	SB	-	-	-	-
48	P	-	-	-	-
91	W	-	-	-	-

Connector No.	F1
Connector Name	WIRE TO WIRE
Connector Type	SA038FB-RS1 (P-SJ22)



Terminal No.	22	Color of Wire	G	Signal Name [Specification]	-
24	W	-	-	-	-
29	L	-	-	-	-
30	Y	-	-	-	-
32	LG	-	-	-	-

Connector No.	F2
Connector Name	AIR FUEL RATIO (A/F) SENSOR 1 (BANK 1)
Connector Type	AFZ04FDGY



Terminal No.	4	Color of Wire	Y	Signal Name [Specification]	-
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Connector No.	F20
Connector Name	AIR FUEL RATIO (A/F) SENSOR 1 (BANK 2)
Connector Type	AFZ04FDGY



Terminal No.	4	Color of Wire	Y	Signal Name [Specification]	-
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Connector No.	F43
Connector Name	COMPRESSOR
Connector Type	RS01FB



Terminal No.	1	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.	F51
Connector Name	A/T ASSEMBLY
Connector Type	RKJDFG-DGY




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

Connector No.	F53
Connector Name	HEATED OXYGEN SENSOR 2 (BANK 2)
Connector Type	AFZD4EB




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

Connector No.	F54
Connector Name	HEATED OXYGEN SENSOR 2 (BANK 1)
Connector Type	AFZD4EB



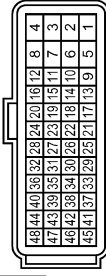
Terminal No.	2	G	—
Color of Wire			
Signal Name [Specification]			

Connector No.	F55
Connector Name	PARK/NEUTRAL POSITION SWITCH
Connector Type	RK02FEB



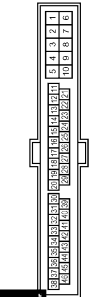
Terminal No.	2	W	—
Color of Wire			
Signal Name [Specification]			

Connector No.	F101
Connector Name	ECM
Connector Type	RH4DFB-R2B-L-LH-Z



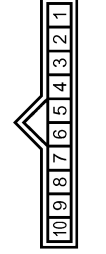
Terminal No.	22	LG	FPR
Color of Wire			
Signal Name [Specification]			

Connector No.	F103
Connector Name	WIRE TO WIRE
Connector Type	TKS6FW-NS1.0



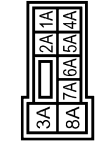
Terminal No.	45	Y	—
Color of Wire			
Signal Name [Specification]			

Connector No.	F151
Connector Name	TCM (TRANSMISSION CONTROL MODULE)
Connector Type	SP10FBGY



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

Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	NSG6FW-M2



Terminal No.	2A	G	—
Color of Wire			
Signal Name [Specification]			
Terminal No.	3A	L	—
Color of Wire			
Signal Name [Specification]			
Terminal No.	7A	R	—
Color of Wire			
Signal Name [Specification]			
Terminal No.	8A	L	—
Color of Wire			
Signal Name [Specification]			

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

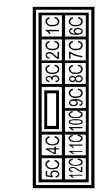
IGNITION POWER SUPPLY

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



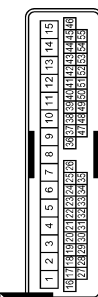
Terminal No.	4B	Color of Wire	G	Signal Name [Specification]	-
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Connector No.	M3
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS12FW-CS



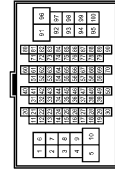
Terminal No.	6C	Color of Wire	R	Signal Name [Specification]	-
7C	B	-	-	-	-
8C	W	-	-	-	-
9C	O	-	-	-	-
10C	L	-	-	-	-
11C	LG	-	-	-	-
12C	R	-	-	-	-

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



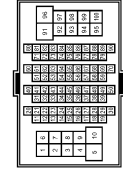
Terminal No.	52	Color of Wire	L	Signal Name [Specification]	-
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Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TH60MM-CS16-TM4



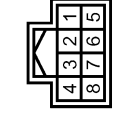
Terminal No.	6	Color of Wire	P	Signal Name [Specification]	-
7	L	-	-	-	-
32	Y	-	-	-	-
45	O	-	-	-	-
48	G	-	-	-	-
91	W	-	-	-	-

Connector No.	M7
Connector Name	WIRE TO WIRE
Connector Type	TH60MM-CS16-TM4



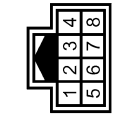
Terminal No.	23	Color of Wire	L	Signal Name [Specification]	-
24	P	-	-	-	-
25	L	-	-	-	-
26	P	-	-	-	-

Connector No.	M3
Connector Name	WIRE TO WIRE
Connector Type	TH60FW-NH



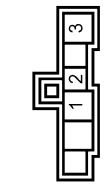
Terminal No.	4	Color of Wire	LG	Signal Name [Specification]	-
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Connector No.	M14
Connector Name	WIRE TO WIRE
Connector Type	TH60MM-NH



Terminal No.	4	Color of Wire	LG	Signal Name [Specification]	-
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Connector No.	M109
Connector Name	BLOWER MOTOR
Connector Type	NS02PW-M3



Terminal No.	1	Color of Wire	L	Signal Name [Specification]	-
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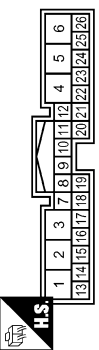
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

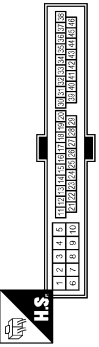
IGNITION POWER SUPPLY

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




Terminal No.	13	W	IGN
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Connector No.	M116
Connector Name	WIRE TO WIRE
Connector Type	TK38AW-NS10




Terminal No.	45	G	
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Connector No.	M117
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4



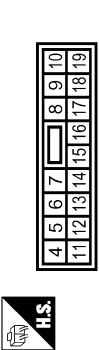
Terminal No.	71	R	
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Connector No.	M118
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	M03FB-LC



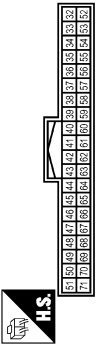
Terminal No.	1	W	BAT (F/L)
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Connector No.	M119
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	NS16FW-CS



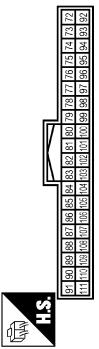
Terminal No.	13	B	GND
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Connector No.	M121
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FGY-NH



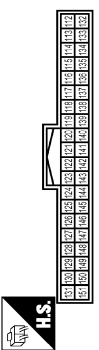
Terminal No.	47	Y	INC USM CONT1
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Connector No.	M122
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FB-NH



Terminal No.	82	R	IGN ELEC CONT
Terminal No.	90	P	CAN-L
Terminal No.	91	L	CAN-H
Terminal No.	102	O	IGN2 CONT

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



Terminal No.	151	G	REAR DEFOGGER OUTPUT
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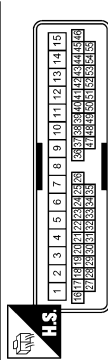
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

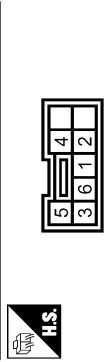
IGNITION POWER SUPPLY

Connector No.	M124
Connector Name	WIRE TO WIRE
Connector Type	TH010WF-C51.5



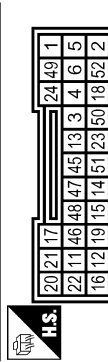
Terminal No.	52			
Color of Wire	O			
Signal Name [Specification]				

Connector No.	M139
Connector Name	SNOW MODE SWITCH
Connector Type	TK08FW



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

Connector No.	M147
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	TK28FY-EX-SC



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

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POWER SUPPLY ROUTING CIRCUIT

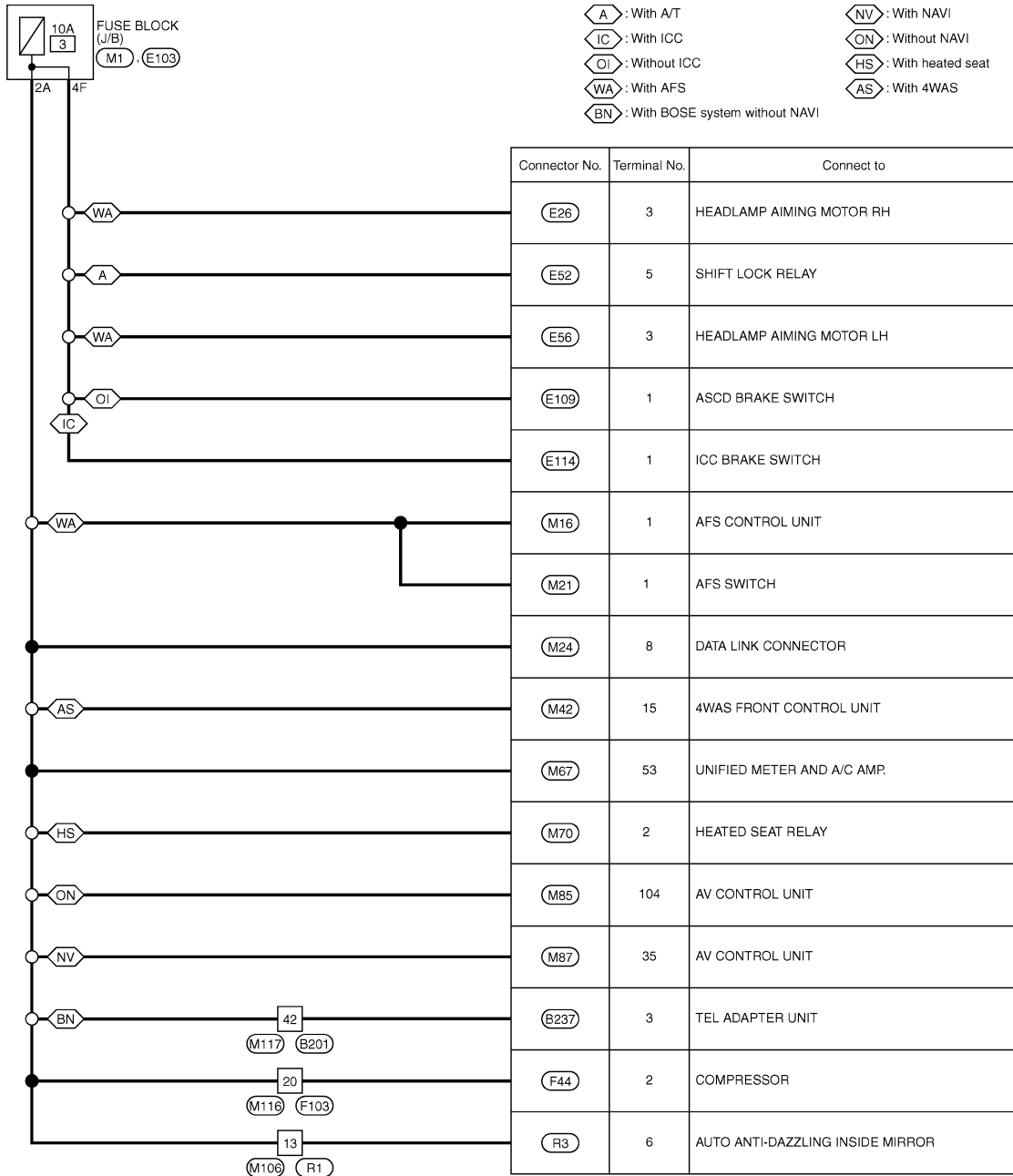
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 3 -

INFOID:000000001835317

IGNITION POWER SUPPLY FUSE NO.3



2007/06/15

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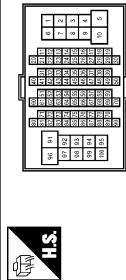
POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

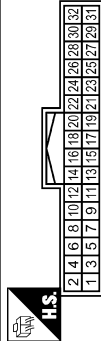
IGNITION POWER SUPPLY FUSE NO.3

Connector No.	E201
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-GS16-TM4



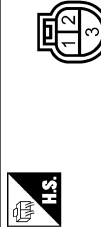
Terminal No.	42	W	Signal Name [Specification]
Color of Wire	W		

Connector No.	B237
Connector Name	TEL ADAPTER UNIT
Connector Type	TH82FW-NH



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

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



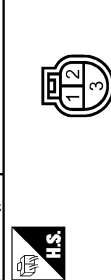
Terminal No.	3	G	Signal Name [Specification]
Color of Wire	G		

Connector No.	E32
Connector Name	SHIFT LOCK RELAY
Connector Type	MS02E-M2



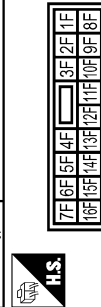
Terminal No.	5	Y	Signal Name [Specification]
Color of Wire	Y		

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



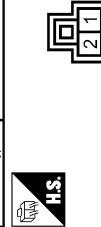
Terminal No.	3	G	Signal Name [Specification]
Color of Wire	G		

Connector No.	E03
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS16FW-CS



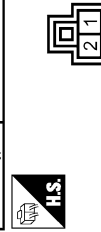
Terminal No.	4F	G	Signal Name [Specification]
Color of Wire	G		

Connector No.	E09
Connector Name	ASCD BRAKE SWITCH (WITHOUT ICC)
Connector Type	IS02FL



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

Connector No.	E14
Connector Name	ICC BRAKE SWITCH (WITH ICC)
Connector Type	IS02FL



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

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

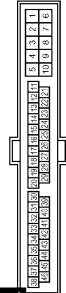
IGNITION POWER SUPPLY FUSE NO.3

Connector No.	F44
Connector Name	COMPRESSOR
Connector Type	RK02FGY



Terminal No.	2	O	—	Signal Name [Specification]
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Connector No.	F103
Connector Name	WIRE TO WIRE
Connector Type	TK36FW-NS10



Terminal No.	20	Y	—	Signal Name [Specification]
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Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS30FW-M2



Terminal No.	2A	G	—	Signal Name [Specification]
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Connector No.	M16
Connector Name	AFS CONTROL UNIT
Connector Type	TH40FW-NH



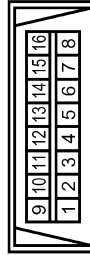
Terminal No.	1	R	—	Signal Name [Specification]
			IGN	

Connector No.	M21
Connector Name	AFS 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



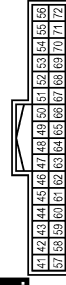
Terminal No.	8	G	—	Signal Name [Specification]
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Connector No.	M42
Connector Name	4WAS FRONT CONTROL UNIT
Connector Type	TK22FW



Terminal No.	15	LG	—	Signal Name [Specification]
			IGN	

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



Terminal No.	53	W	—	Signal Name [Specification]
			IGN	

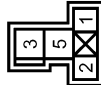
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

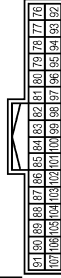
IGNITION POWER SUPPLY FUSE NO.3

Connector No.	M70
Connector Name	HEATED SEAT RELAY
Connector Type	MS2FL-M2



Terminal No.	2	Color of Wire	G	Signal Name [Specification]	-
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Connector No.	M85
Connector Name	AV CONTROL UNIT (WITHOUT NAVI)
Connector Type	TH32FW-NH



Terminal No.	104	Color of Wire	G	Signal Name [Specification]	IGNITION
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Connector No.	M87
Connector Name	AV CONTROL UNIT (WITH NAVI)
Connector Type	TH40FW-NH



Terminal No.	35	Color of Wire	G	Signal Name [Specification]	IGNITION
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Connector No.	M106
Connector Name	WIRE TO WIRE
Connector Type	TK10MF-NS5



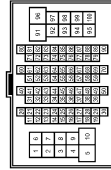
Terminal No.	13	Color of Wire	P	Signal Name [Specification]	-
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Connector No.	M116
Connector Name	WIRE TO WIRE
Connector Type	TK58MW-NS10



Terminal No.	20	Color of Wire	Y	Signal Name [Specification]	-
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Connector No.	M117
Connector Name	WIRE TO WIRE
Connector Type	TH60MW-CS16-TM4



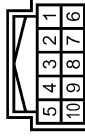
Terminal No.	42	Color of Wire	LG	Signal Name [Specification]	-
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Connector No.	R1
Connector Name	WIRE TO WIRE
Connector Type	TK10FW-NS5



Terminal No.	13	Color of Wire	BR	Signal Name [Specification]	-
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Connector No.	R3
Connector Name	AUTO ANTI-DAZZLING INSIDE MIRROR
Connector Type	TH10FB-NH



Terminal No.	6	Color of Wire	BR	Signal Name [Specification]	IGN
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POWER SUPPLY ROUTING CIRCUIT



< DTC/CIRCUIT DIAGNOSIS >

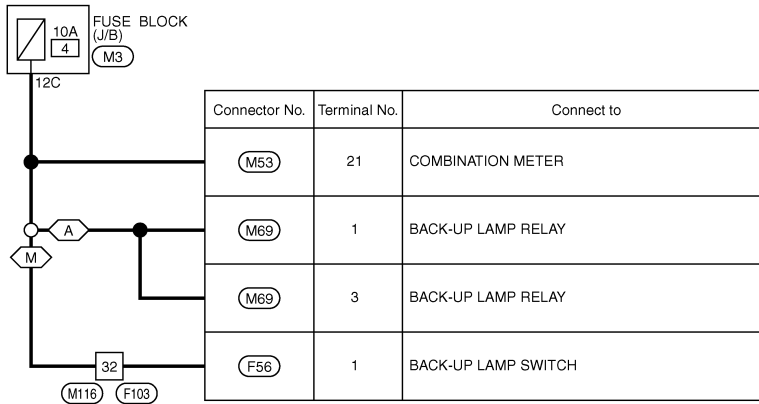
[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 4 -

INFOID:000000001835318

IGNITION POWER SUPPLY FUSE NO.4

 : With A/T
 : With M/T



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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

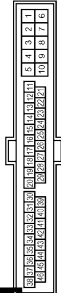
IGNITION POWER SUPPLY FUSE NO.4

Connector No.	F56
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	TK68FW-NS10



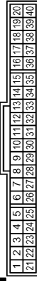
Terminal No.	32	R	—	Signal Name [Specification]
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Connector No.	M8
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS12FW-CS



Terminal No.	12C	R	—	Signal Name [Specification]
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Connector No.	M53
Connector Name	COMBINATION METER
Connector Type	SAB06FW



Terminal No.	21	R	—	Signal Name [Specification]
				IGN

Connector No.	M89
Connector Name	BACK-UP LAMP RELAY
Connector Type	MS2FL-W2



Terminal No.	3	R	LG	—	Signal Name [Specification]
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Connector No.	MT16
Connector Name	WIRE TO WIRE
Connector Type	TK68MW-NS10



Terminal No.	32	LG	—	Signal Name [Specification]
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POWER SUPPLY ROUTING CIRCUIT

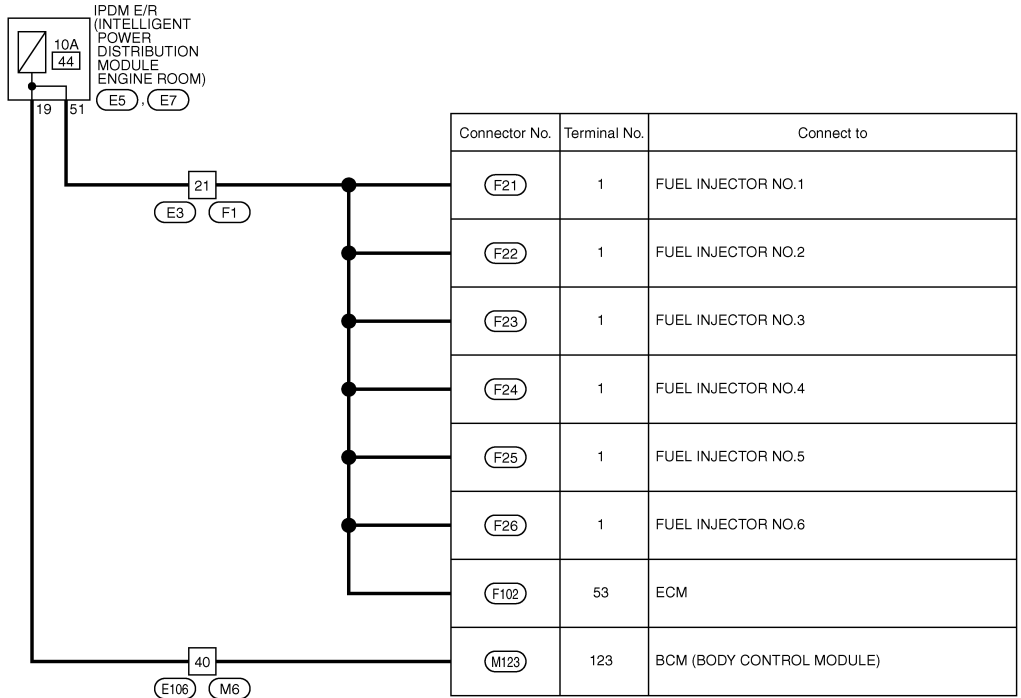
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 44 -

INFOID:000000001835319

IGNITION POWER SUPPLY FUSE NO.44



2006/09/15

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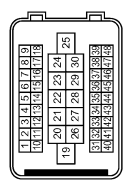
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

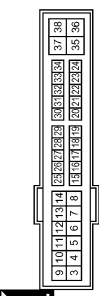
IGNITION POWER SUPPLY FUSE NO.44

Connector No.	E3
Connector Name	WIRE TO WIRE
Connector Type	SAA38ME-RS10-SJZZ



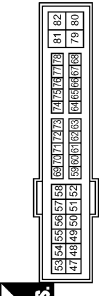
Terminal No.	21	G	Signal Name [Specification]	-
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Connector No.	E5
Connector Name	IPDM E/R INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	TH20FW-CS12-M4-TV



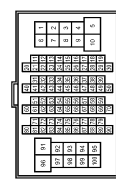
Terminal No.	19	W	Signal Name [Specification]	-
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Connector No.	E7
Connector Name	IPDM E/R INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	TH20FW-CS12-M4



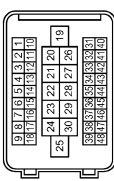
Terminal No.	51	G	Signal Name [Specification]	-
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Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	TH48FW-CS16-TM4




Terminal No.	40	W	Signal Name [Specification]	-
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Connector No.	F1
Connector Name	WIRE TO WIRE
Connector Type	SAA38FB-RS10-SJZZ




Terminal No.	21	P	Signal Name [Specification]	-
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Connector No.	F21
Connector Name	FUEL INJECTOR NO.1
Connector Type	HS02FGY




Terminal No.	1	P	Signal Name [Specification]	-
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Connector No.	F22
Connector Name	FUEL INJECTOR NO.2
Connector Type	HS02FGY



Terminal No.	1	P	Signal Name [Specification]	-
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Connector No.	F23
Connector Name	FUEL INJECTOR NO.3
Connector Type	HS02FGY



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

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

IGNITION POWER SUPPLY FUSE NO.44

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



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

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



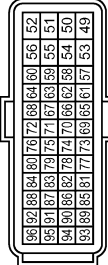
Terminal No.	1	P	—
Color of Wire			
Signal Name [Specification]			

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



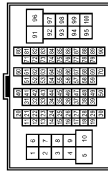
Terminal No.	1	P	—
Color of Wire			
Signal Name [Specification]			

Connector No.	F102
Connector Name	ECM
Connector Type	RH40FBR-FZ8-L-1H-Z



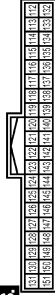
Terminal No.	53	P	GN5W
Color of Wire			
Signal Name [Specification]			

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



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

Connector No.	MI23
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FG-NH



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

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

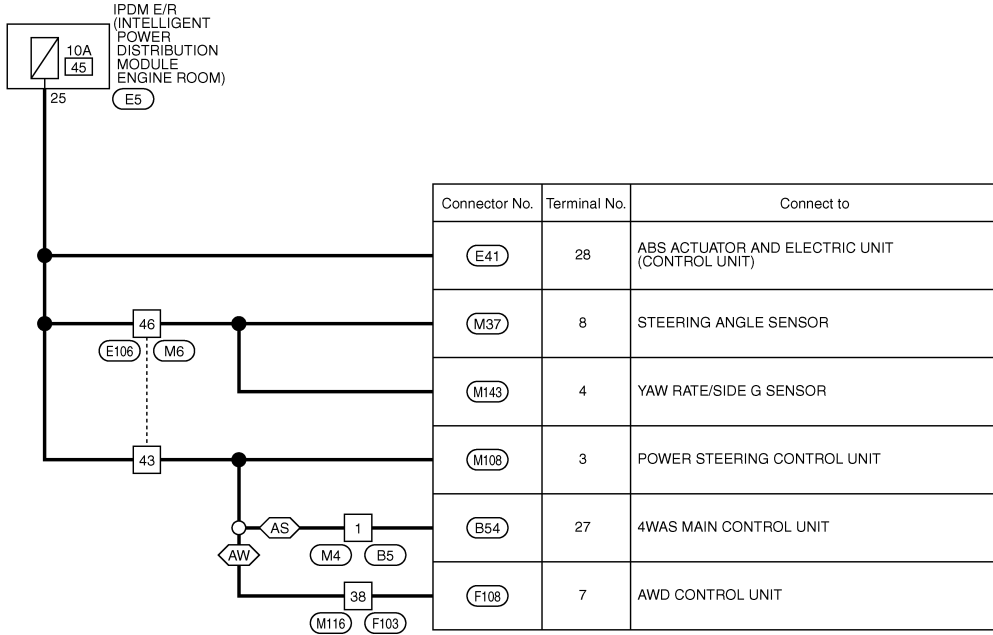
[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 45 -

INFOID:000000001835320

IGNITION POWER SUPPLY FUSE NO.45

AW : 4WD models
AS : With 4WAS



2006/09/15

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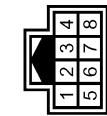
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

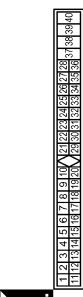
IGNITION POWER SUPPLY FUSE NO.45

Connector No.	B5
Connector Name	WIRE TO WIRE
Connector Type	TH08MW-NH



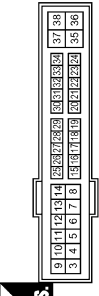
Terminal No.	1	G
Color of Wire		LG
Signal Name [Specification]		

Connector No.	B54
Connector Name	4WAS MAIN CONTROL UNIT
Connector Type	A38FW-M4



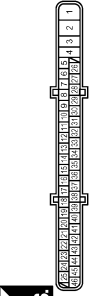
Terminal No.	27	G
Color of Wire		IGN
Signal Name [Specification]		

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



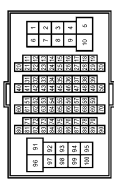
Terminal No.	25	G
Color of Wire		
Signal Name [Specification]		

Connector No.	E41
Connector Name	ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT)
Connector Type	B3A42FB-AH24-LH



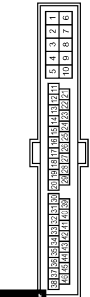
Terminal No.	28	G
Color of Wire		UZ
Signal Name [Specification]		

Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	TH00FW-CS16-TM4



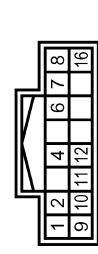
Terminal No.	43	G
Color of Wire		LG
Signal Name [Specification]		

Connector No.	F03
Connector Name	WIRE TO WIRE
Connector Type	TK36FW-NS1.0



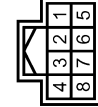
Terminal No.	38	G
Color of Wire		
Signal Name [Specification]		

Connector No.	F08
Connector Name	AWD CONTROL UNIT
Connector Type	TH16FW-NH



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

Connector No.	M4
Connector Name	WIRE TO WIRE
Connector Type	TH06FW-NH



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

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

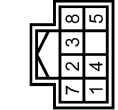
IGNITION POWER SUPPLY FUSE NO.45

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TH80WF-CS16-TM4



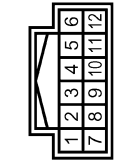
Terminal No.	43	46	
Color of Wire	G	G	
Signal Name [Specification]			

Connector No.	M37
Connector Name	STEERING ANGLE SENSOR
Connector Type	TH88FW-NH



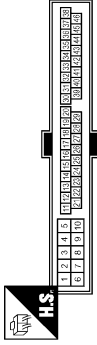
Terminal No.	8
Color of Wire	G
Signal Name [Specification]	IGN

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



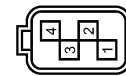
Terminal No.	3
Color of Wire	G
Signal Name [Specification]	VIGN

Connector No.	M116
Connector Name	WIRE TO WIRE
Connector Type	TK38MF-NS10



Terminal No.	38
Color of Wire	SB
Signal Name [Specification]	

Connector No.	M43
Connector Name	YAW RATE/SIDE G SENSOR
Connector Type	AAZ04FB



Terminal No.	4
Color of Wire	G
Signal Name [Specification]	12V

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POWER SUPPLY ROUTING CIRCUIT

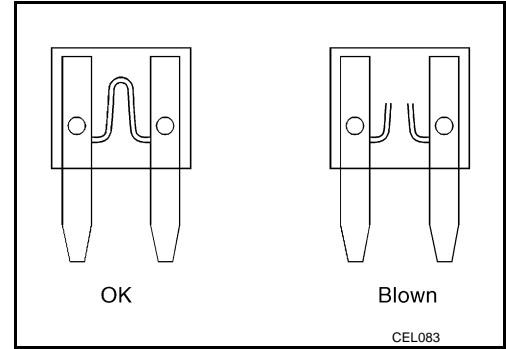
[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

Fuse

INFOID:000000001835321

- 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

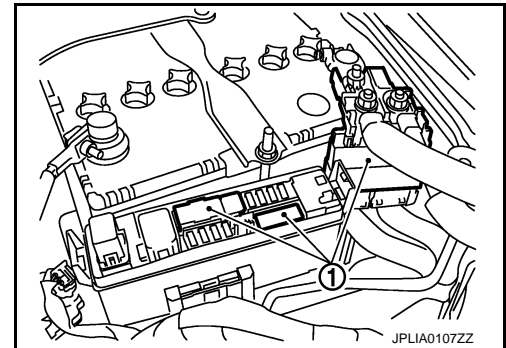
INFOID:000000001835322

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:

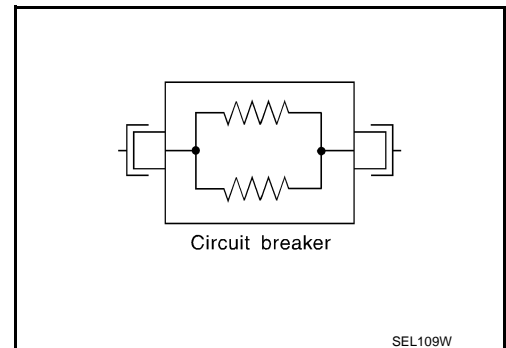
- If fusible link should melt, it is possible that critical circuit (power supply or large current carrying circuit) is shorted. In such a case, carefully check and eliminate cause of malfunction.
- Never wrap outside of fusible link with vinyl tape. Important: Never let fusible link touch any other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



Circuit Breaker

INFOID:000000001835323

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 >

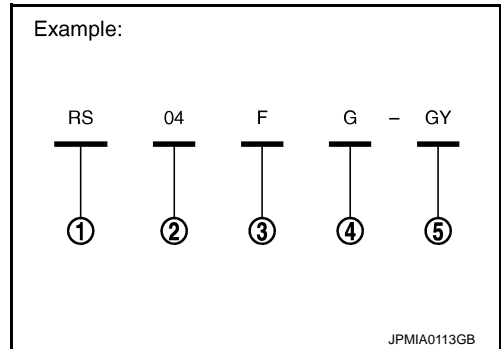
[POWER SUPPLY & GROUND CIRCUIT]

HARNESS LAYOUT

How To Read Harness Layout

INFOID:000000001835324

- 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.	—			

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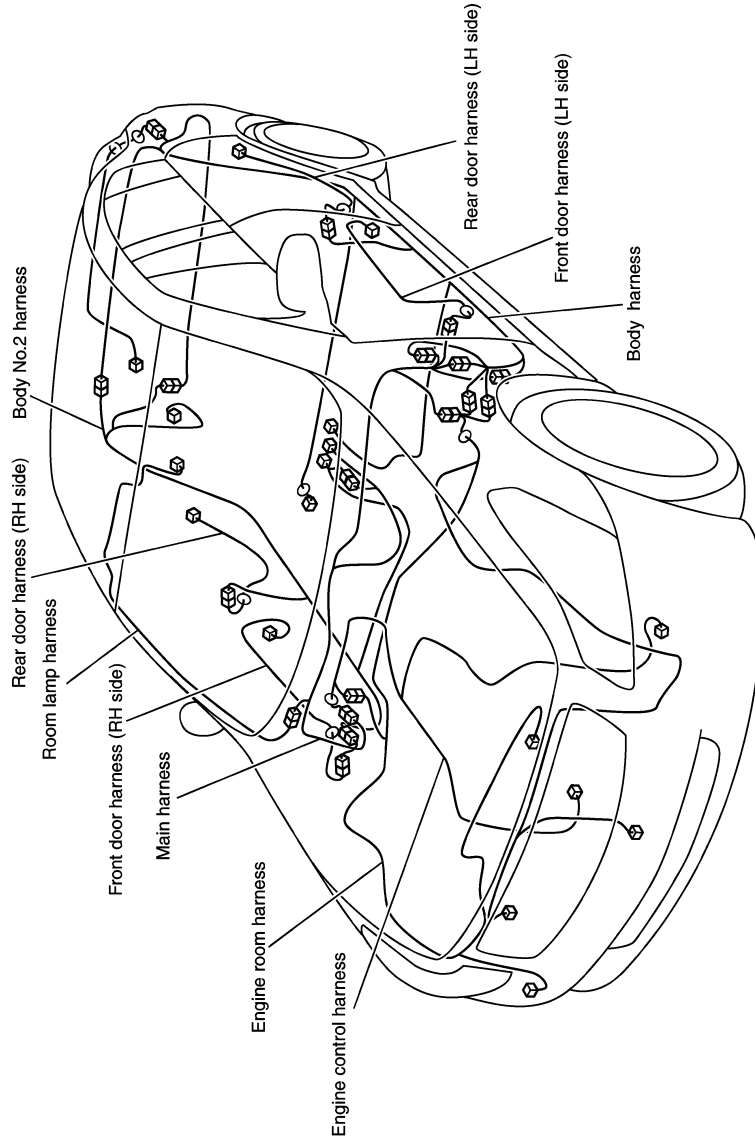
HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Outline

INFOID:000000001835325



OUTLINE

2007/06/15

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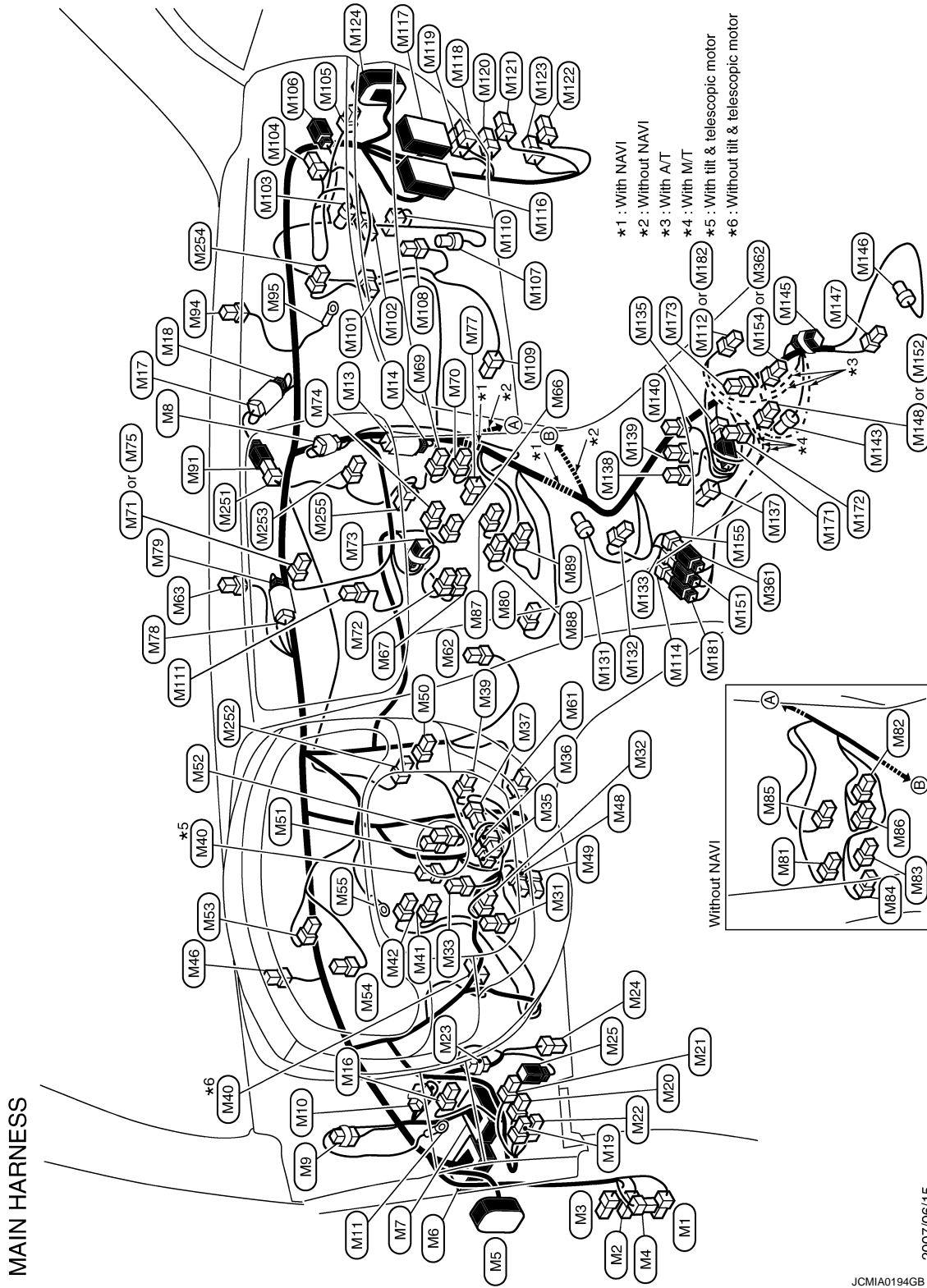
HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Main Harness

INFOID:000000001835326



MAIN HARNESS

2007/06/15

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HARNES LAYOUT

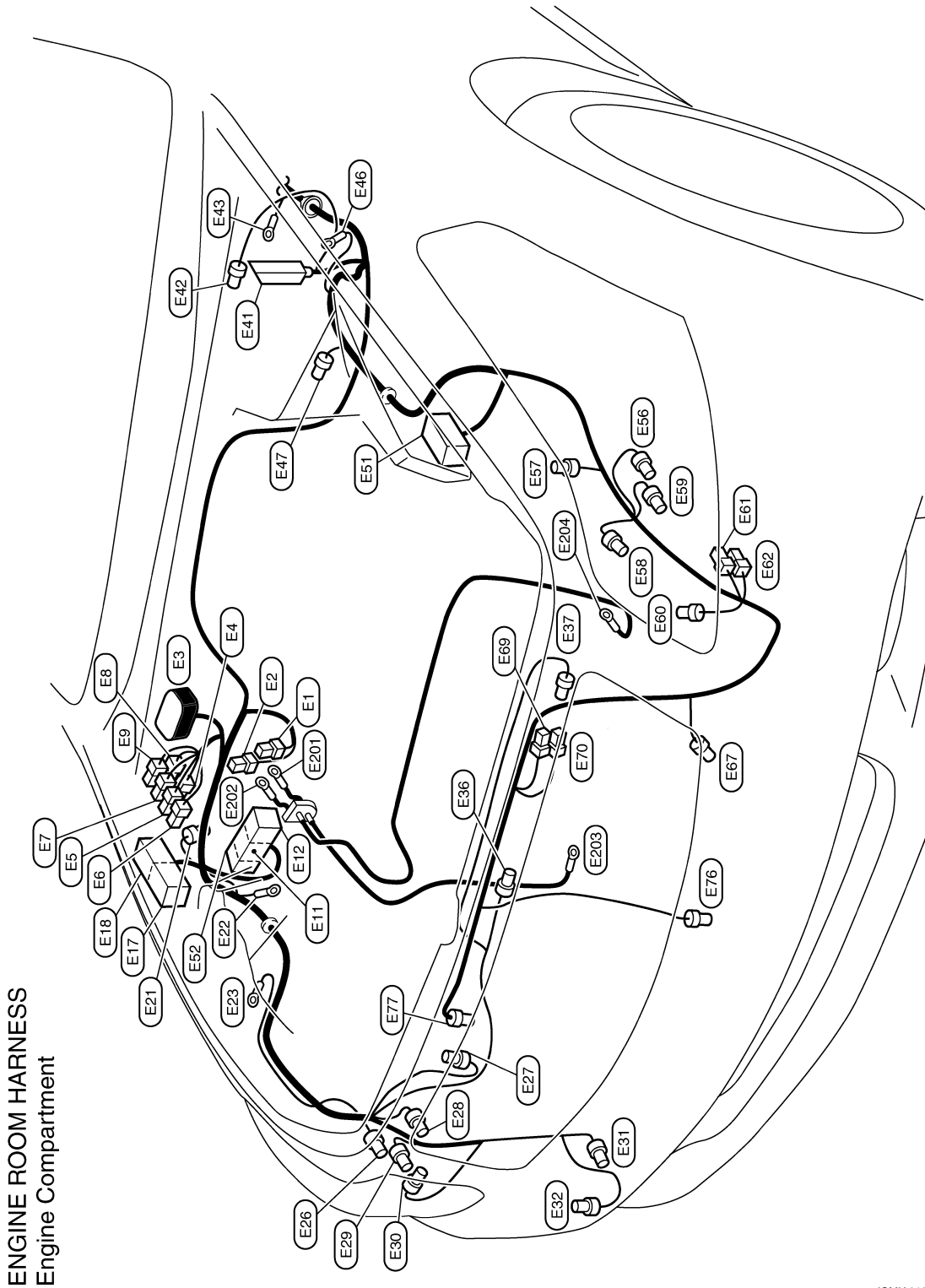
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Engine Room Harness

INFOID:00000002977672

ENGINE COMPARTMENT



ENGINE ROOM HARNESS
Engine Compartment

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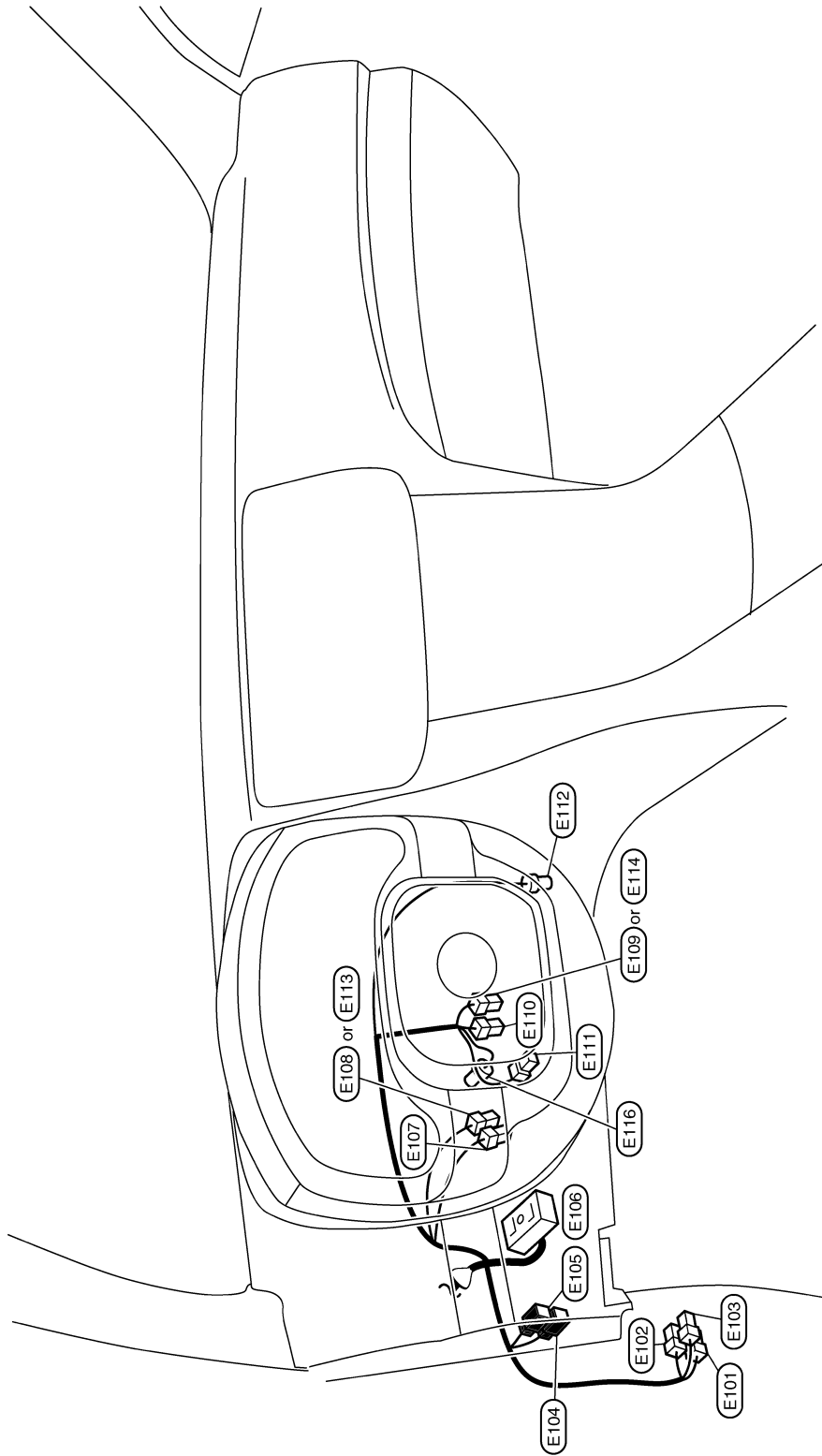
HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

PASSENGER COMPARTMENT

Passenger Compartment



2007/06/15

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HARNES LAYOUT

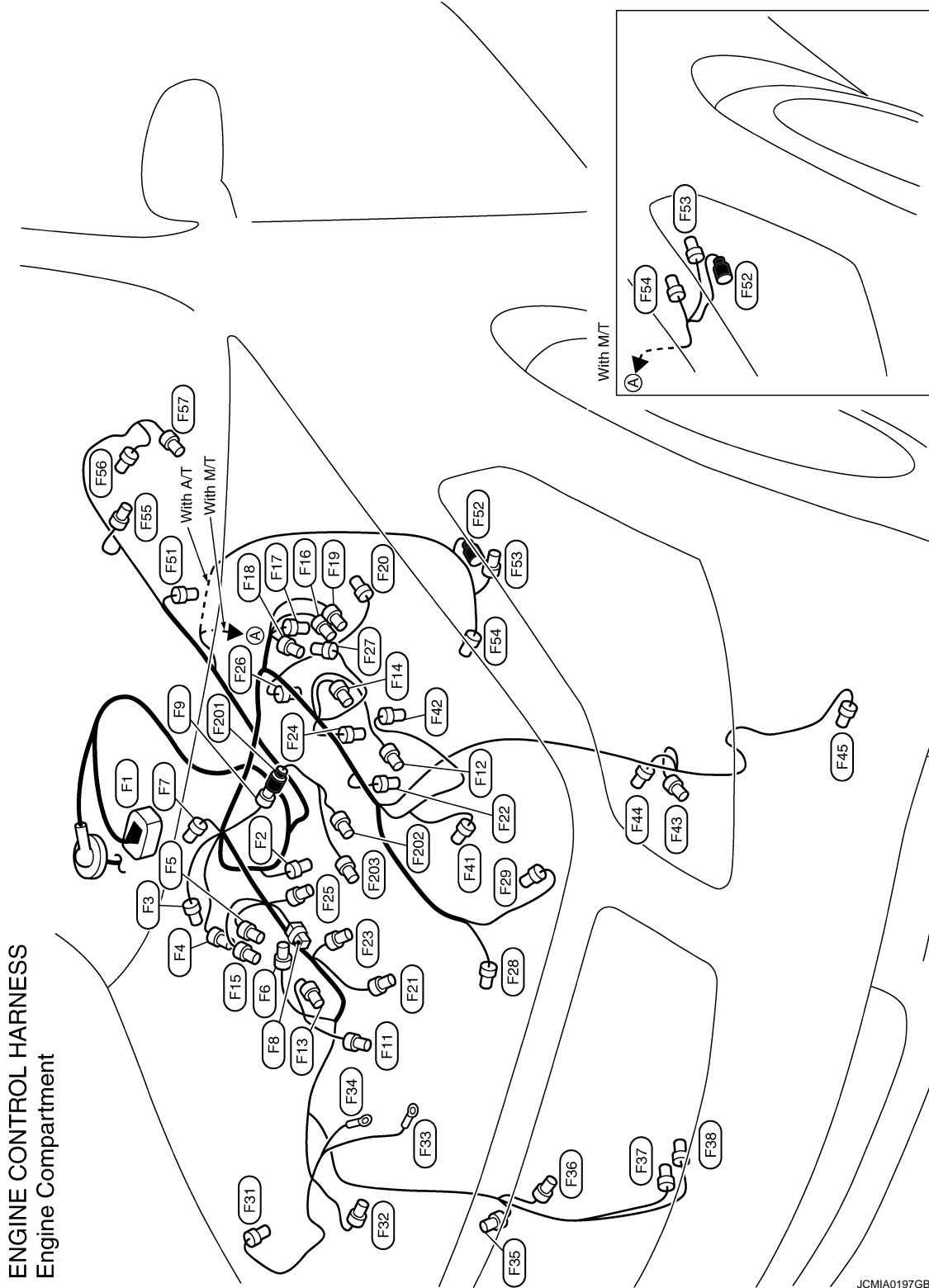
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Engine Control Harness

INFOID:00000002977673

ENGINE COMPARTMENT



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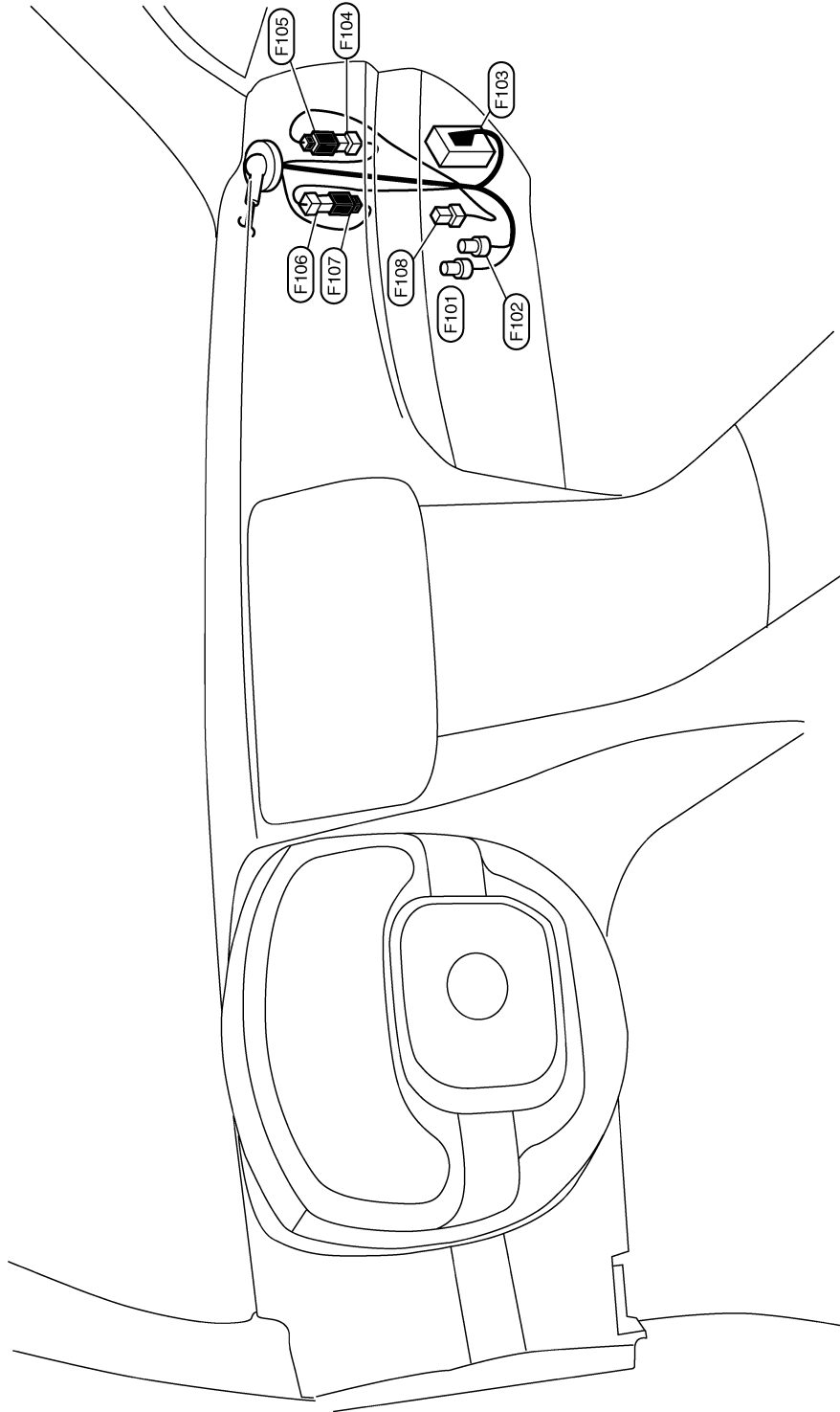
HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

PASSENGER COMPARTMENT

Passenger Compartment



2007/06/15

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HARNES LAYOUT

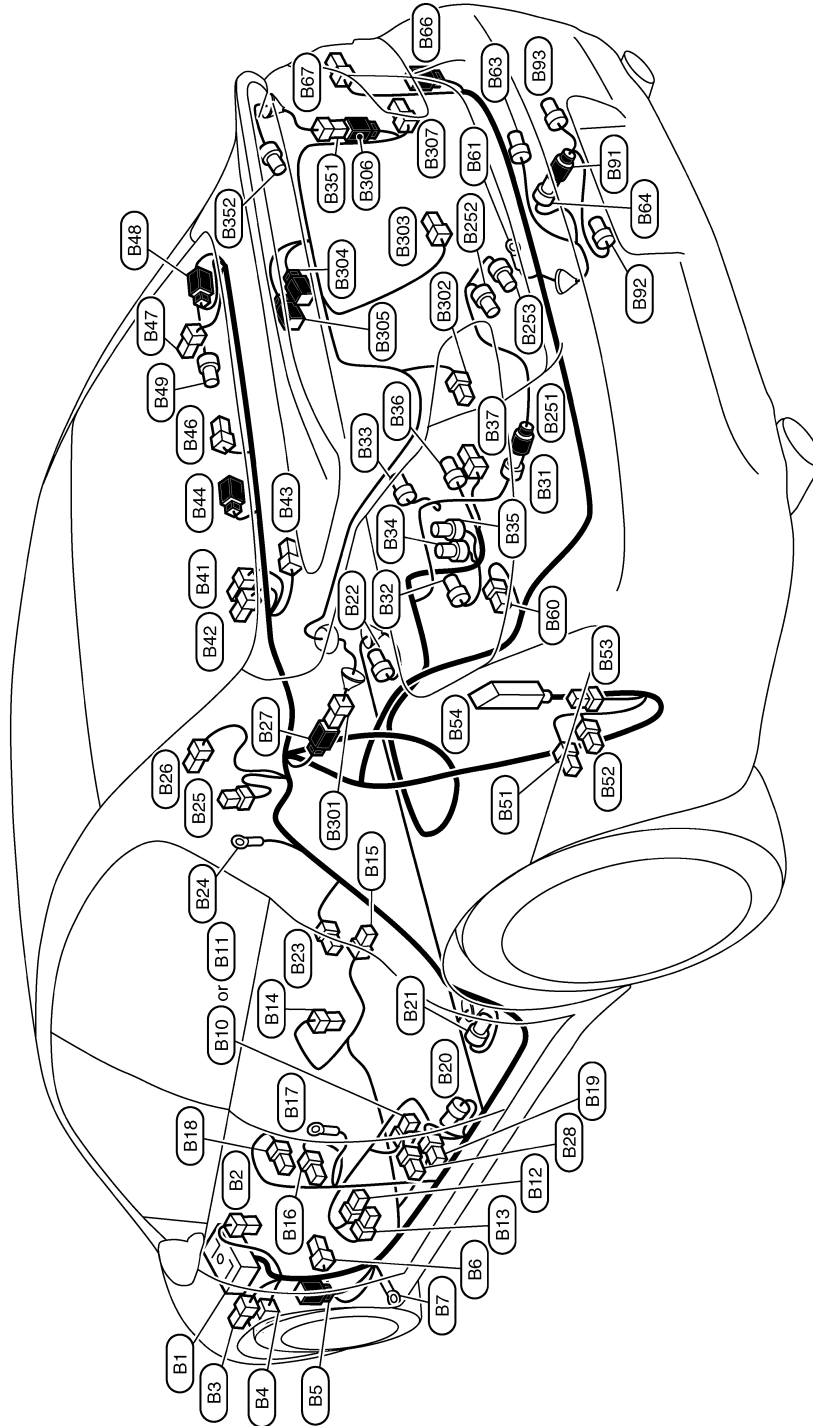
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Body Harness

INFOID:000000001835331

BODY HARNESS



2007/06/15

JCMIA0199GB

HARNES LAYOUT

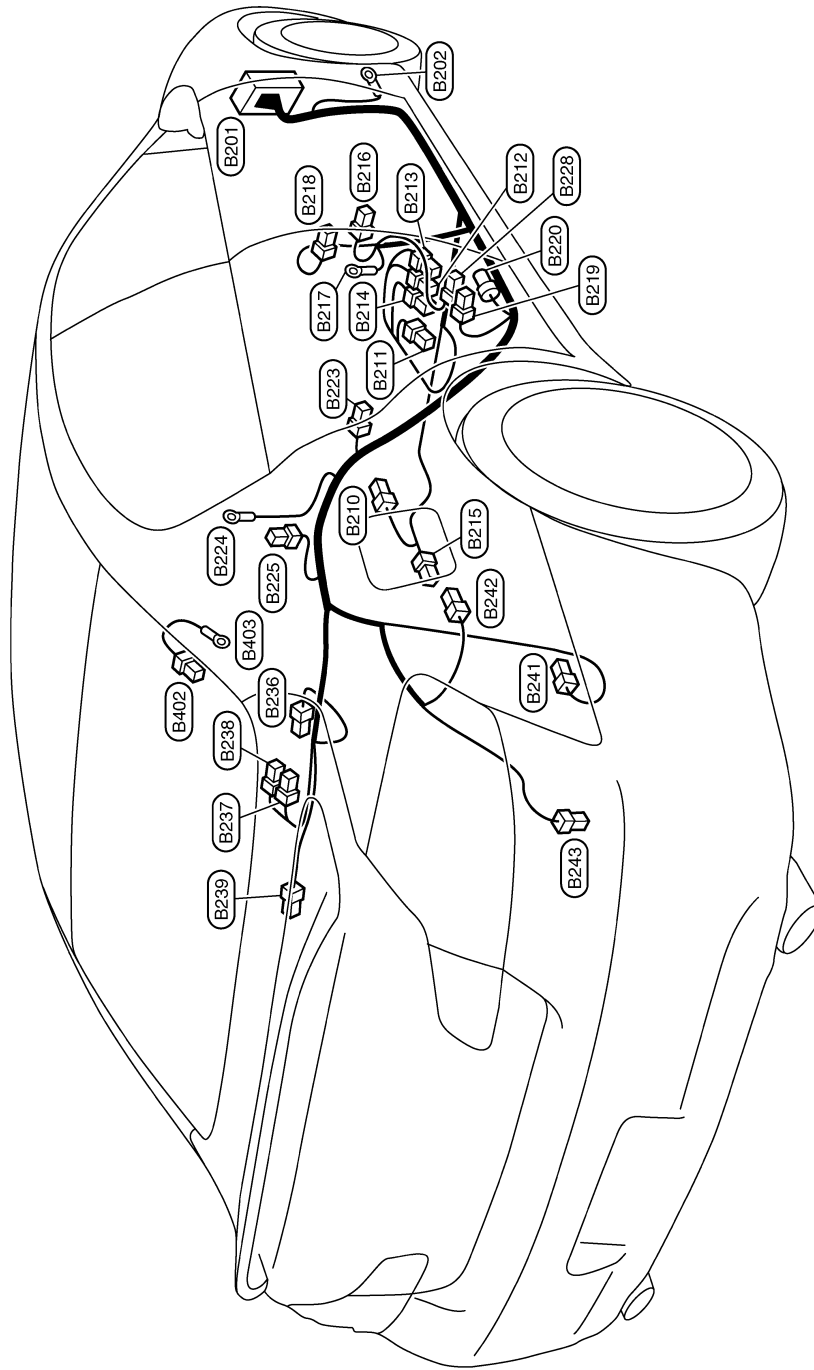
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Body No. 2 Harness

INFOID:000000001835332

BODY NO.2 HARNES



2007/06/15

JCMIA0200GB

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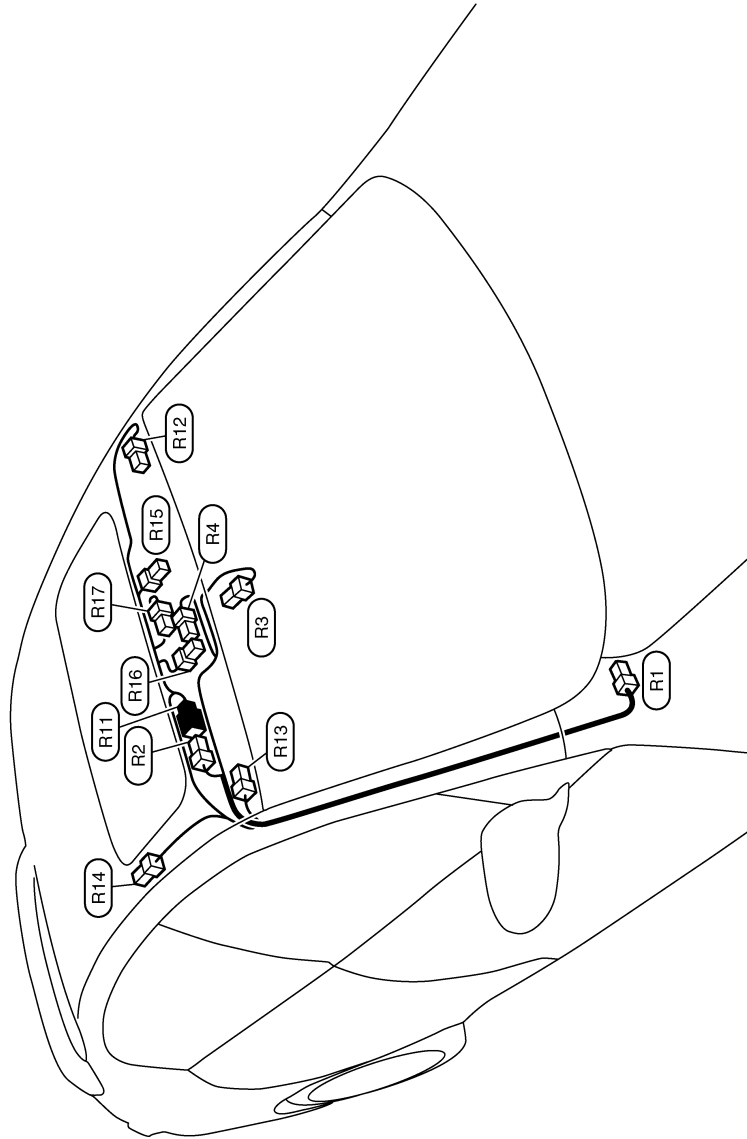
HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Room Lamp Harness

INFOID:000000001835333



ROOM LAMP HARNESS

2006/09/15

JCMIA0009GB

HARNES LAYOUT

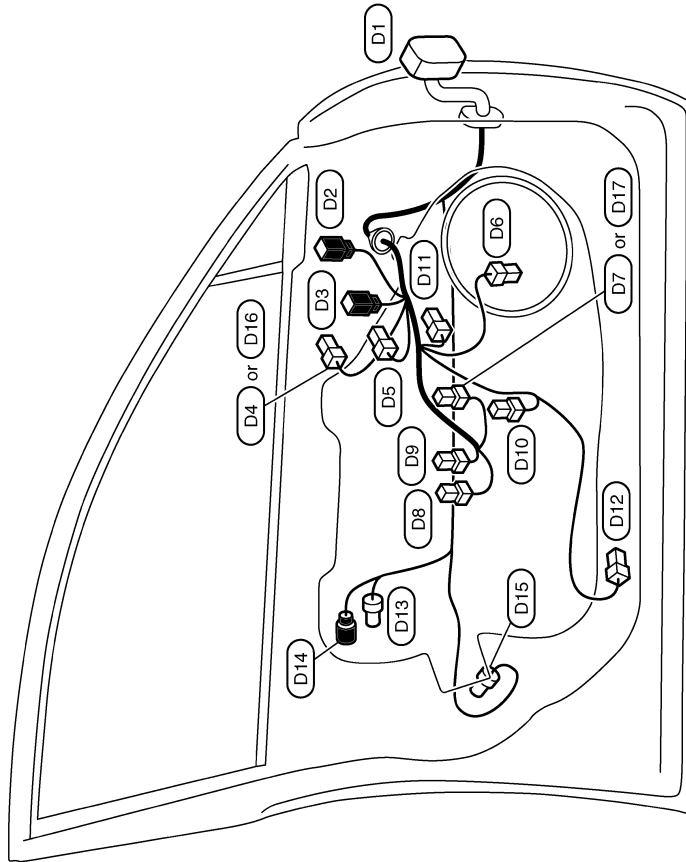
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Front Door Harness (LH Side)

INFOID:000000001835334

FRONT DOOR HARNESS (LH SIDE)



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2007/06/15

JCMIA0201GB

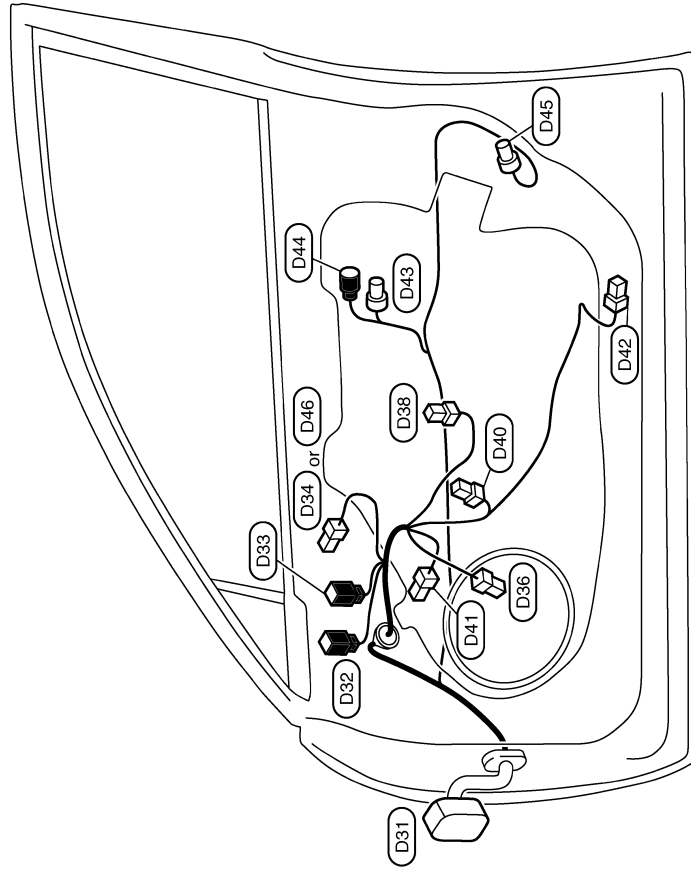
HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Front Door Harness (RH Side)

INFOID:000000001835335



FRONT DOOR HARNESS (RH SIDE)

2007/06/15

JCMIA0202GB

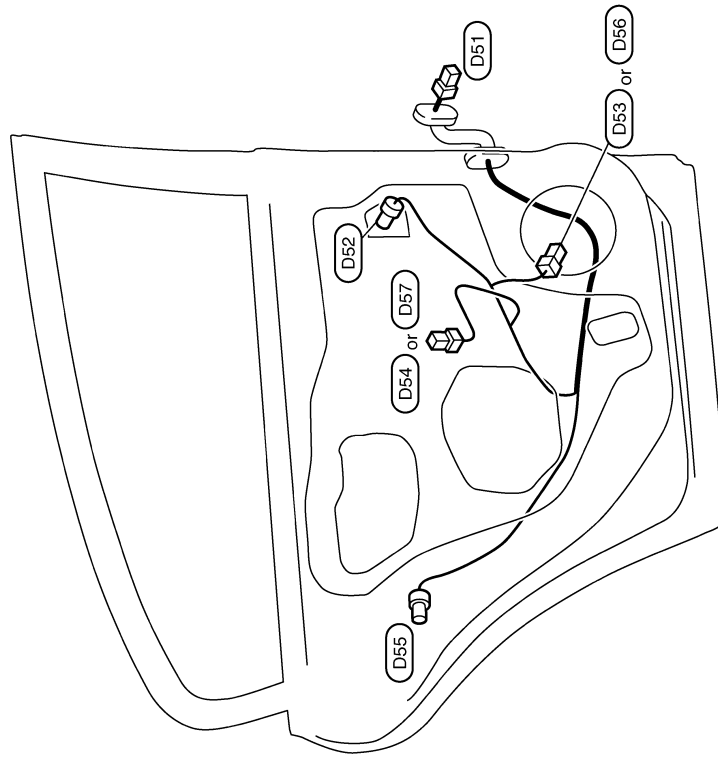
HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Rear Door Harness (LH Side)

INFOID:000000001835336



REAR DOOR HARNESS (LH SIDE)

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2007/06/15

JCMIA0203GB

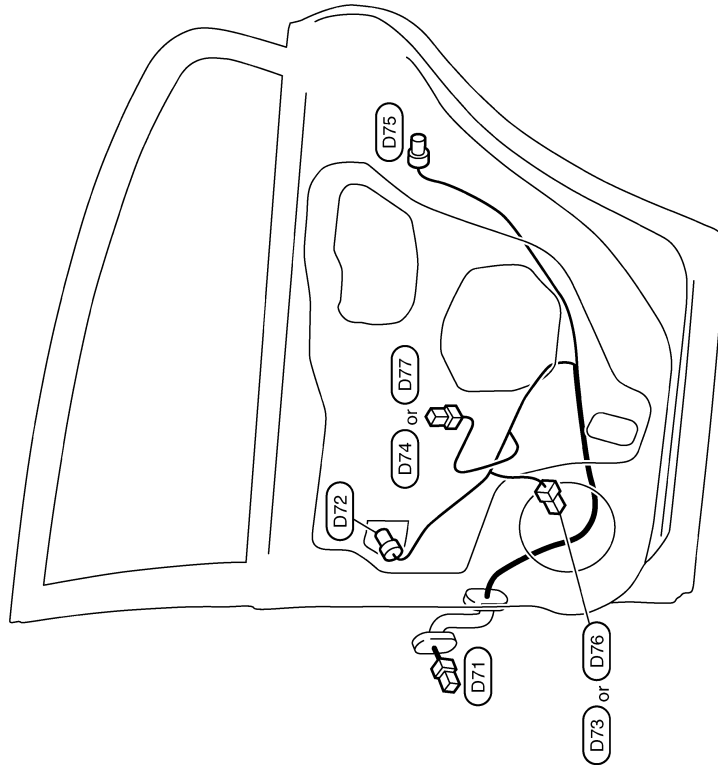
HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Rear Door Harness (RH Side)

INFOID:000000001835337



REAR DOOR HARNESS (RH SIDE)

2007/06/15

JCMIA0204GB

HARNESS CONNECTOR

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

HARNESS CONNECTOR

Description

INFOID:000000001835338

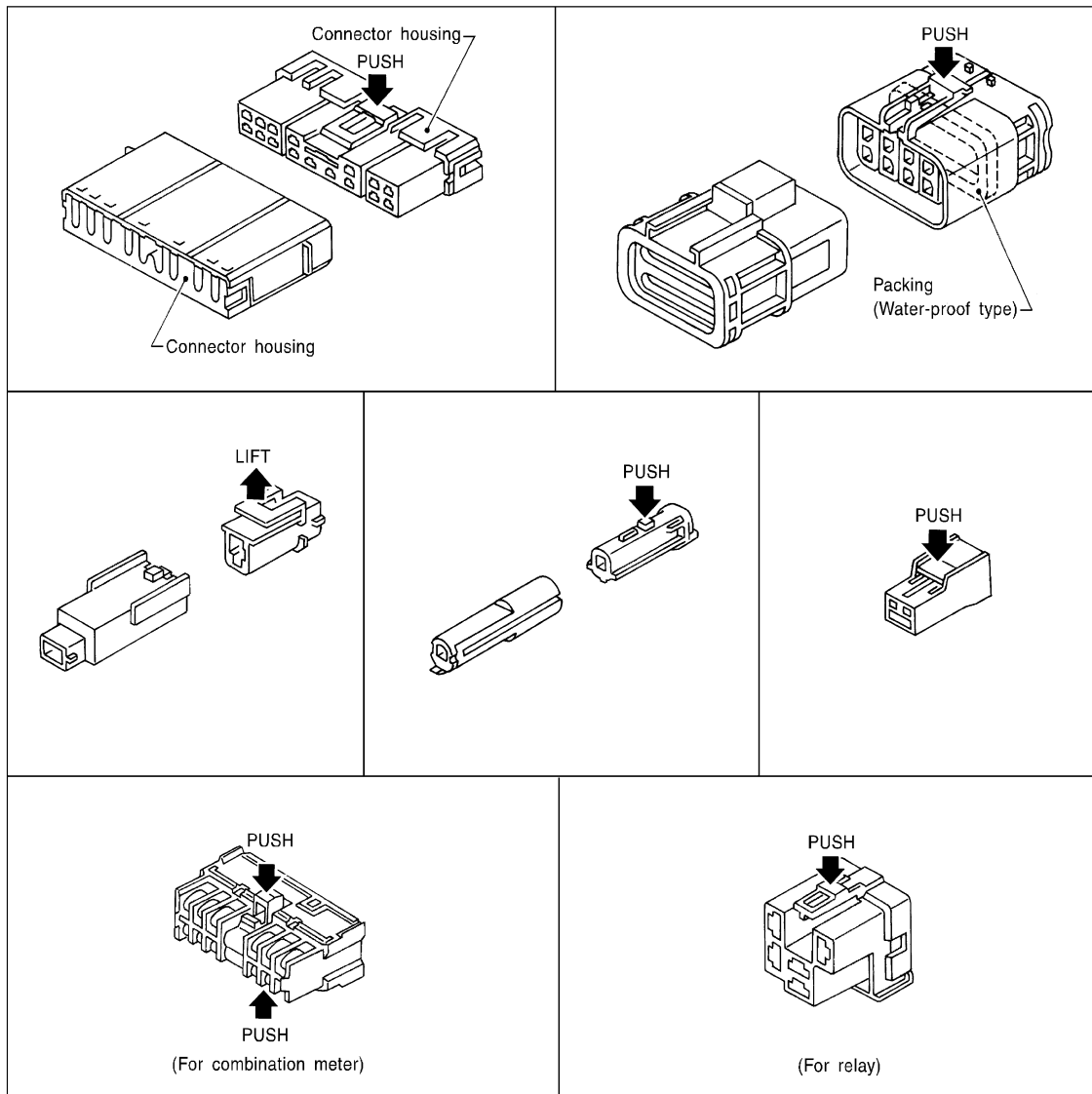
HARNESS CONNECTOR (TAB-LOCKING TYPE)

- 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

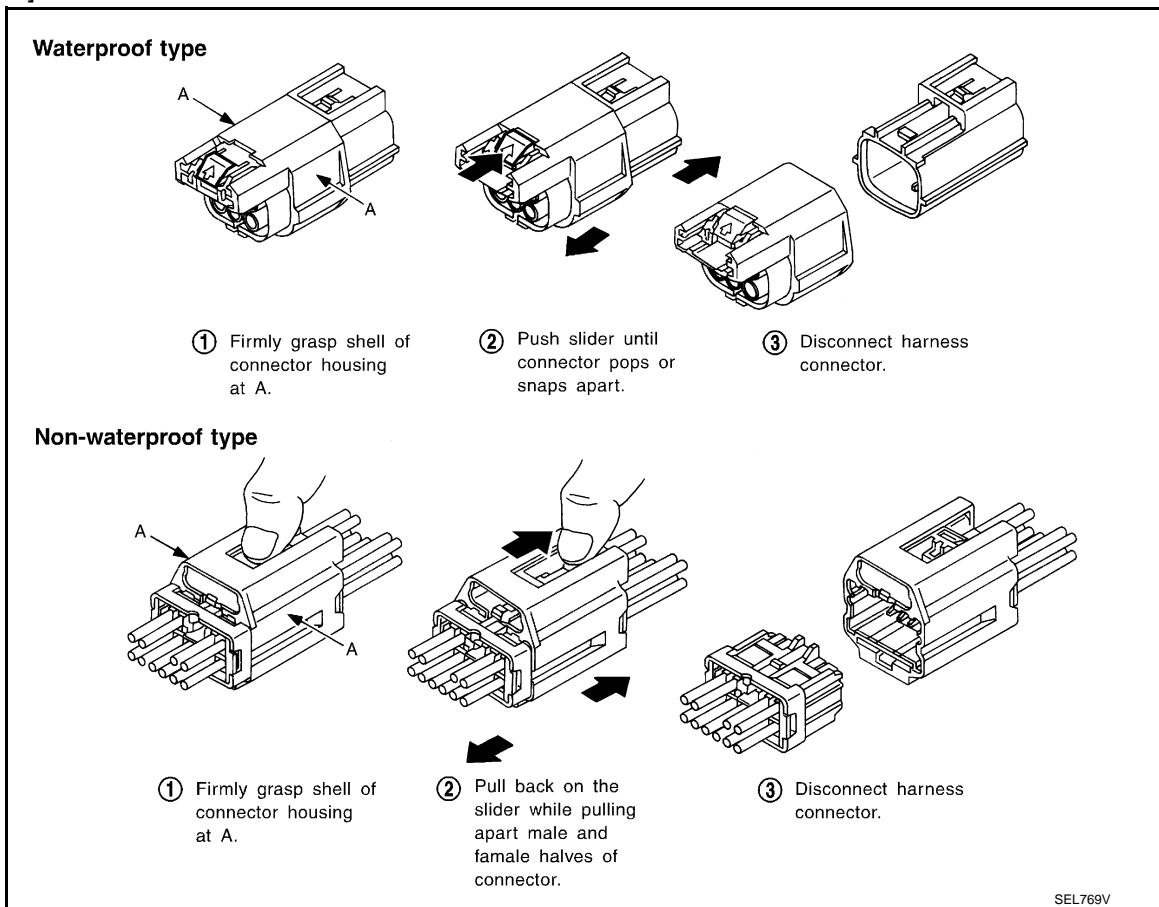
< DTC/CIRCUIT DIAGNOSIS >

[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.

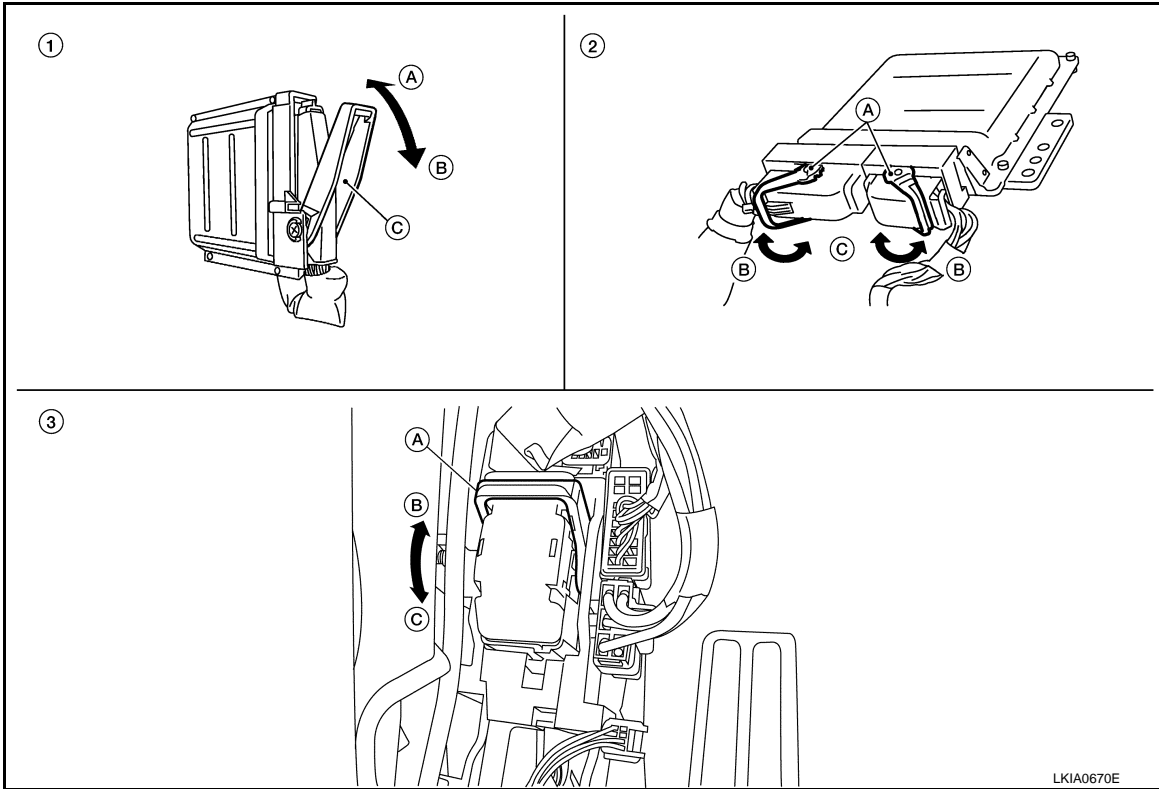
CAUTION:

HARNESS CONNECTOR

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Always confirm the lever is fully released (loosened) before attempting to disconnect or connect these connectors to avoid damage to the connector housing or terminals.



1. Control unit with single lever
A. Fasten
B. Loosen
C. Lever

2. Control unit with dual levers
A. Levers
B. Fasten
C. Loosen

3. SMJ connector
A. Lever
B. Fasten
C. Loosen

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STANDARDIZED RELAY

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

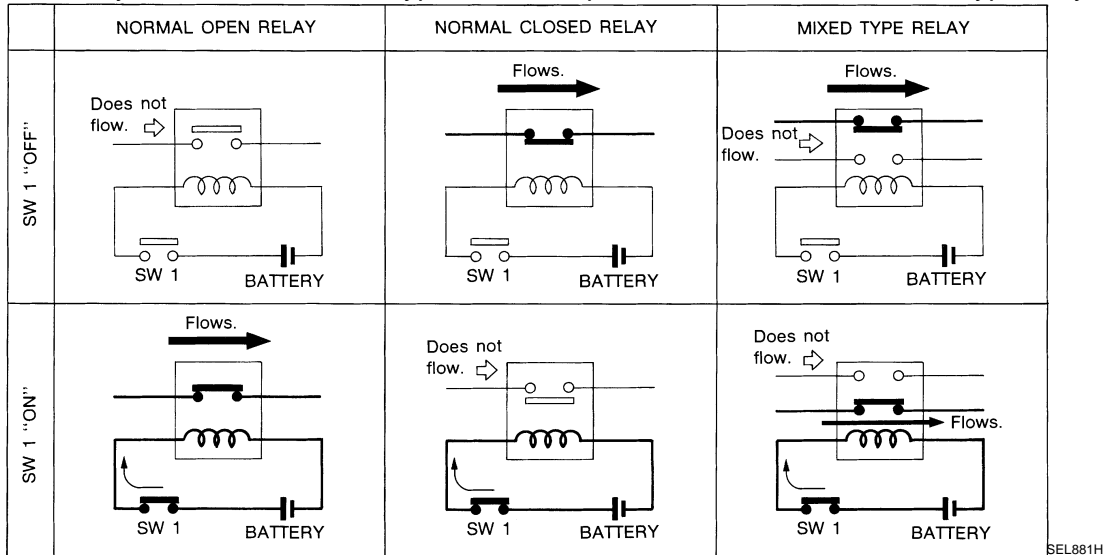
STANDARDIZED RELAY

Description

INFOID:000000001835339

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

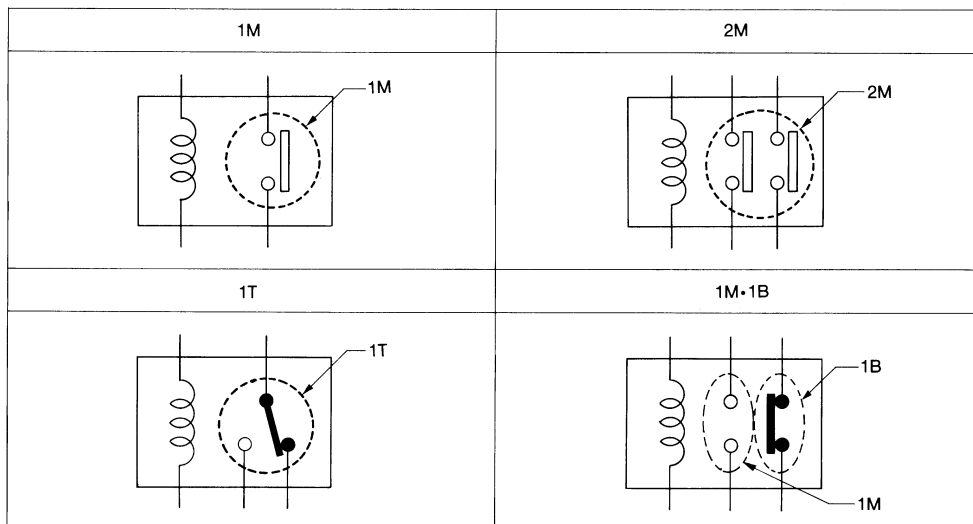
TYPE OF STANDARDIZED RELAYS

1M 1 Make

2M 2 Make

1T 1 Transfer

1M-1B 1 Make 1 Break

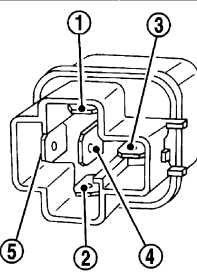
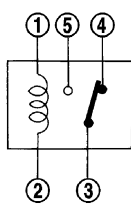
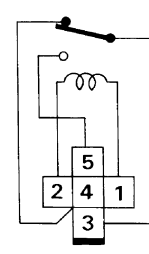
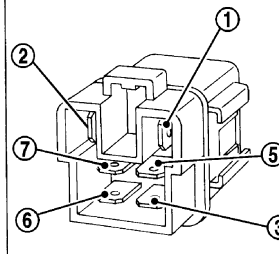
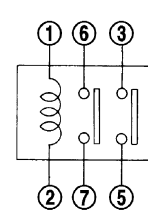
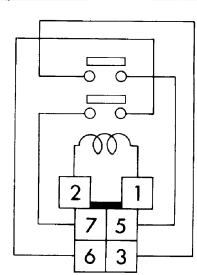
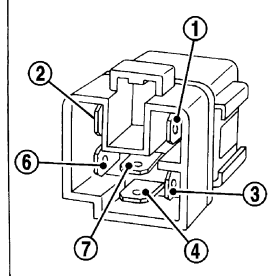
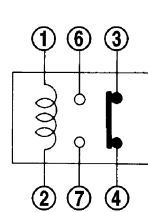
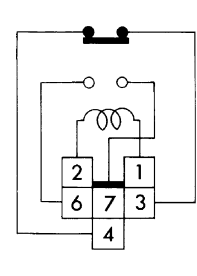
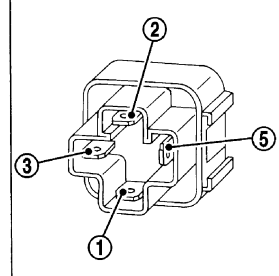
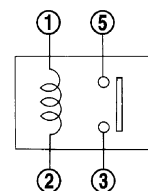
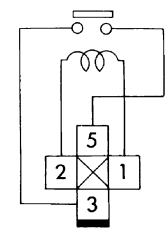
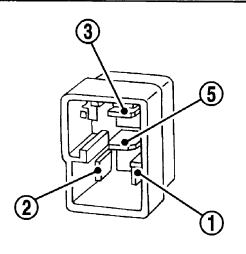
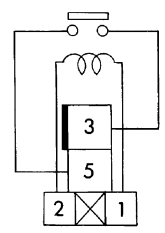


SEL882H

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)

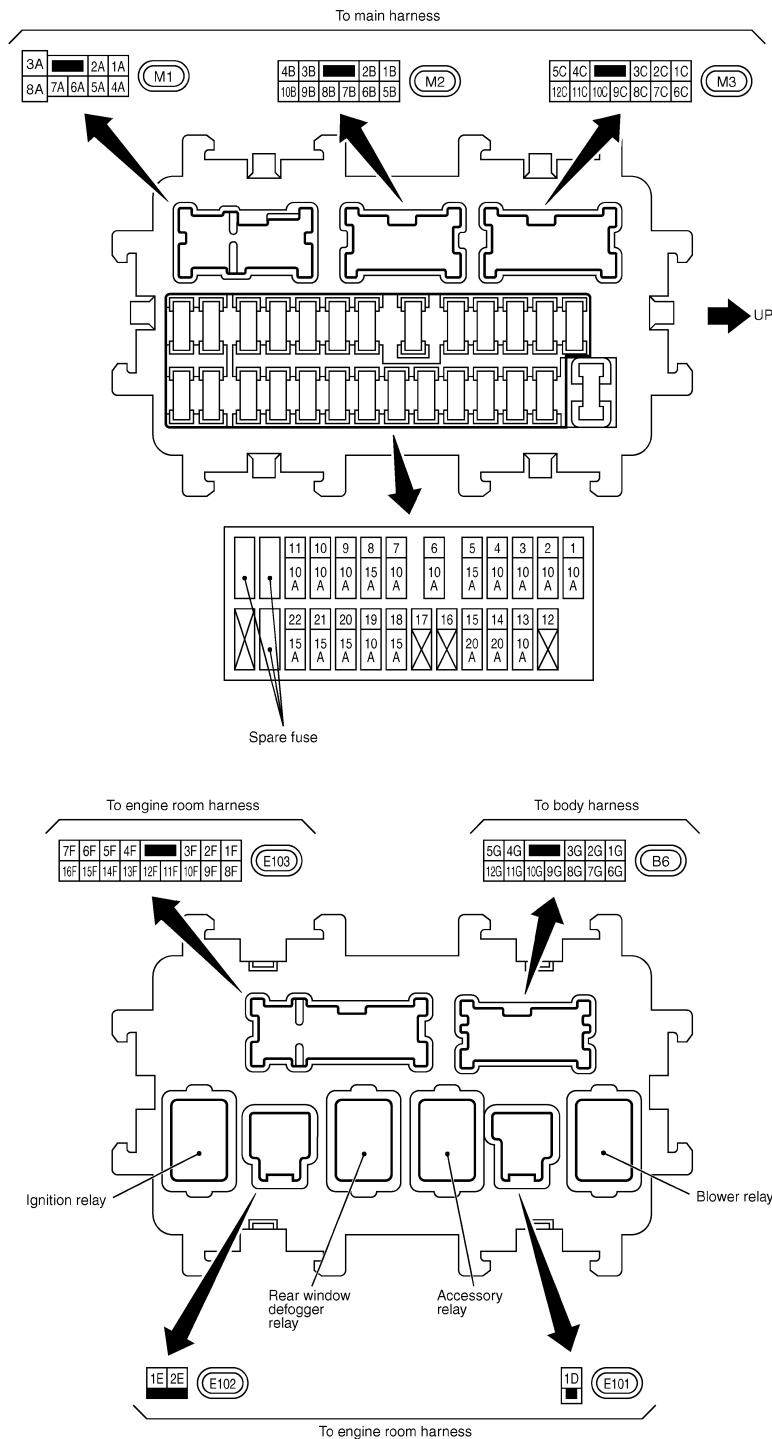
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

FUSE BLOCK - JUNCTION BOX (J/B)

Fuse, Connector and Terminal Arrangement

INFOID:000000001835340



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JCMWA1011GB

FUSE, FUSIBLE LINK AND RELAY BOX

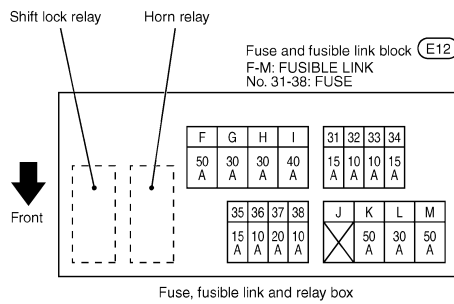
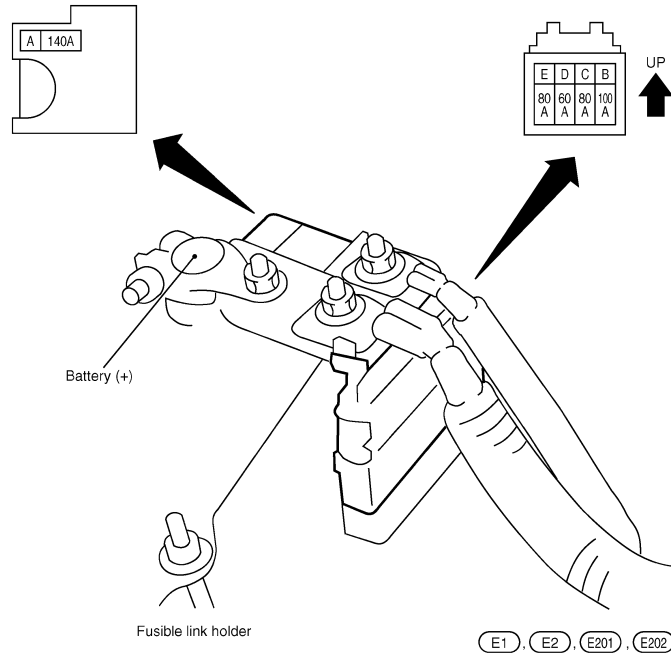
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

FUSE, FUSIBLE LINK AND RELAY BOX

Fuse and Fusible Link Arrangement

INFOID:000000001835341



2007/06/15

JCMWA1012GB

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

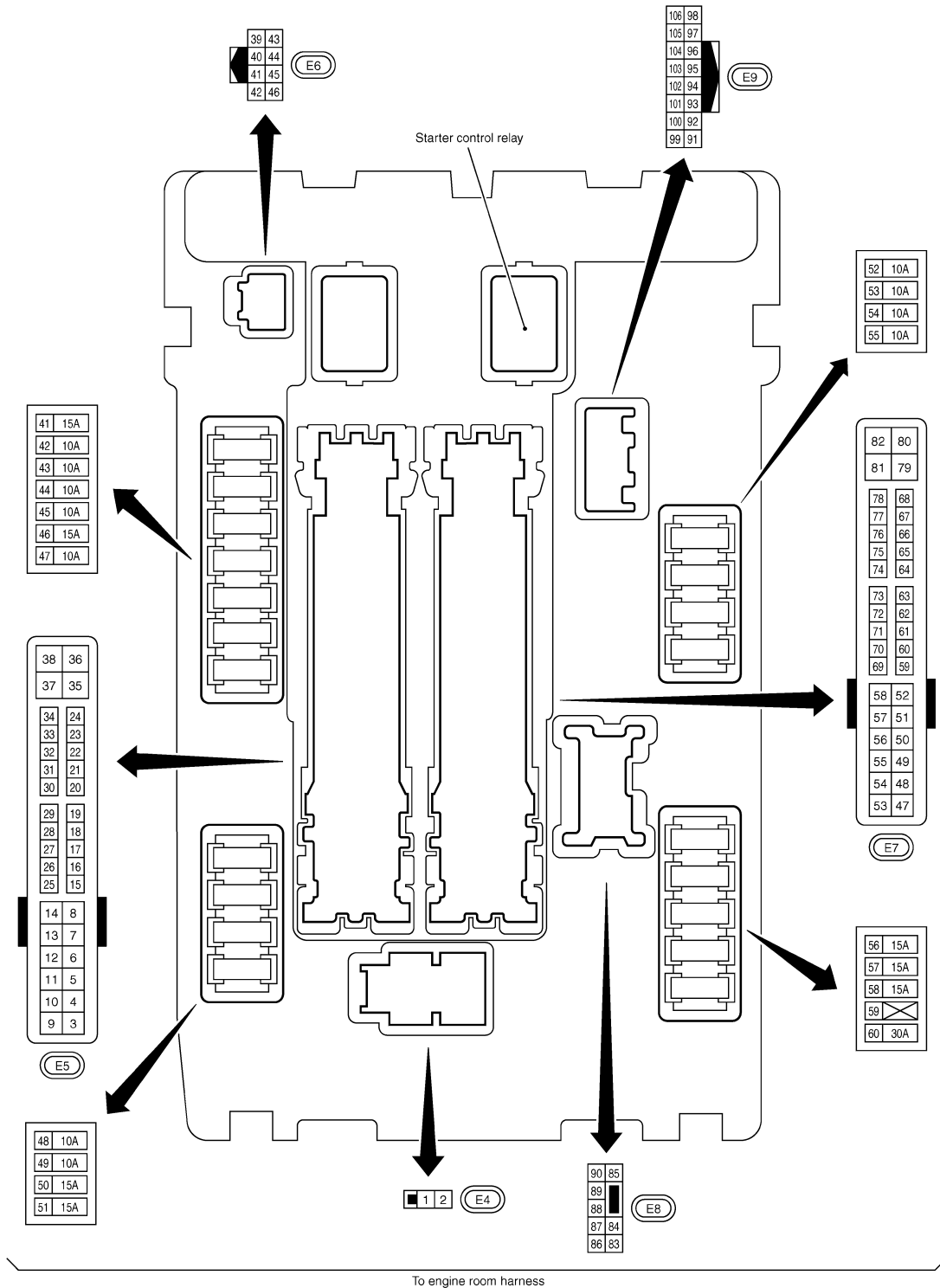
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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

Fuse, Connector and Terminal Arrangement

INFOID:000000001835342



2007/06/15

JCMWA1010GB

PRECAUTIONS

< PRECAUTION >

[POWER SUPPLY & GROUND CIRCUIT]

PRECAUTION

PRECAUTIONS

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

INFOID:000000003106553

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

WARNING:

- To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision which would result in air bag inflation, all maintenance must be performed by an authorized NISSAN/INFINITI dealer.
- Improper maintenance, including incorrect removal and installation of the SRS, can lead to personal injury caused by unintentional activation of the system. For removal of Spiral Cable and Air Bag Module, see the "SRS AIR BAG".
- Do not use electrical test equipment on any circuit related to the SRS unless instructed to in this Service Manual. SRS wiring harnesses can be identified by yellow and/or orange harnesses or harness connectors.

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

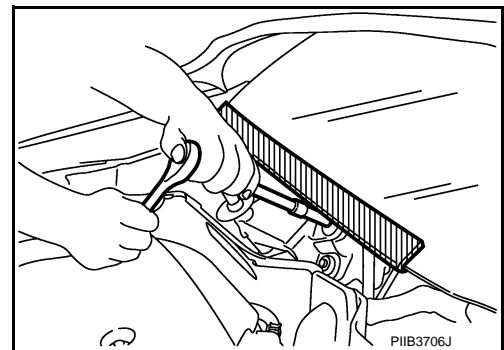
WARNING:

- When working near the Air Bag Diagnosis Sensor Unit or other Air Bag System sensors with the ignition ON or engine running, DO NOT use air or electric power tools or strike near the sensor(s) with a hammer. Heavy vibration could activate the sensor(s) and deploy the air bag(s), possibly causing serious injury.
- When using air or electric power tools or hammers, always switch the ignition OFF, disconnect the battery, and wait at least 3 minutes before performing any service.

Precaution for Procedure without Cowl Top Cover

INFOID:000000003106554

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



PREPARATION

[POWER SUPPLY & GROUND CIRCUIT]

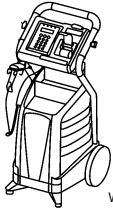
< PREPARATION >

PREPARATION

PREPARATION

Special Service Tools

INFOID:000000001835344

Tool number (Kent-Moore No.) Tool name	Description
<p>— (J-48087) Battery Service Center</p>  <p>WKIA5280E</p>	<p>Tests battery. For operating instructions, refer to Technical Service Bulletin and Battery Service Center User Guide.</p>

BATTERY

< REMOVAL AND INSTALLATION >

[POWER SUPPLY & GROUND CIRCUIT]

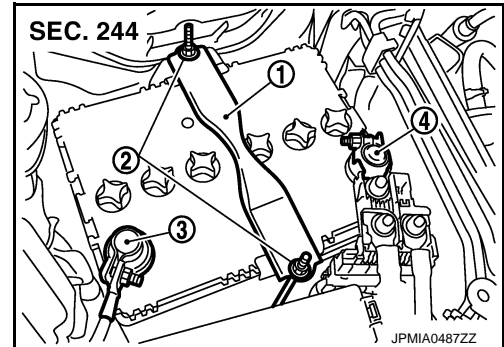
REMOVAL AND INSTALLATION

BATTERY

Exploded View

INFOID:000000002977732

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

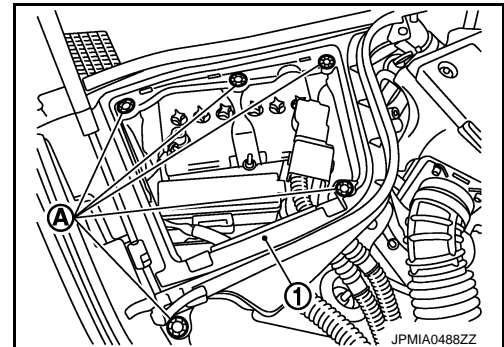


Removal and Installation

INFOID:000000002977733

REMOVAL

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

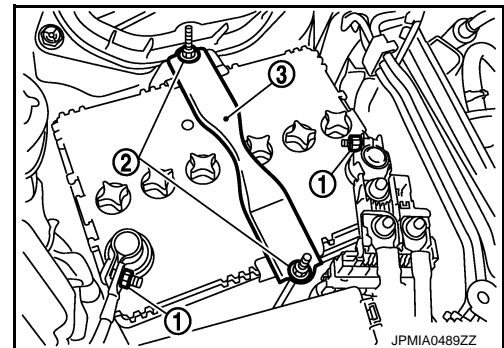


3. Remove the cowl top cover (RH). Refer to [EXT-20. "Removal and Installation"](#).
4. Remove cover of battery positive terminal.
5. Loosen battery terminal nuts (1), and disconnect both battery cables from battery terminals.

CAUTION:

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

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



INSTALLATION

Install in the reverse order of removal.

CAUTION:

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

Battery fix frame mounting nut

: 3.9 N·m (0.40 kg·m, 35 in·lb)

Battery terminal nut

: 5.4 N·m (0.55 kg·m, 48 in·lb)

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BATTERY TERMINAL WITH FUSIBLE LINK

< REMOVAL AND INSTALLATION >

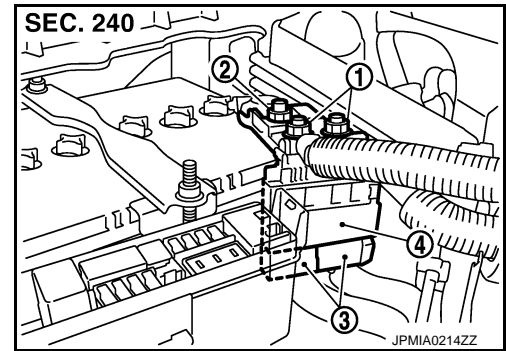
[POWER SUPPLY & GROUND CIRCUIT]

BATTERY TERMINAL WITH FUSIBLE LINK

Exploded View

INFOID:000000001835347

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

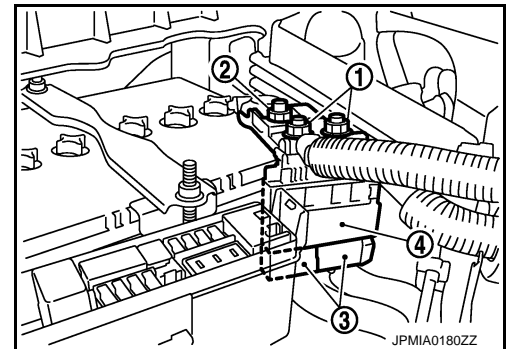


Removal and Installation

INFOID:000000001835348

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 connectors (3).
5. Remove fusible link holder mounting nut (2) to remove battery terminal with fusible link (4).



INSTALLATION

Install in the reverse order of removal.

Harness mounting nut

: 13.2 N·m (1.3 kg-m, 10 ft-lb)

Fusible link holder mounting nut

: 13.2 N·m (1.3 kg-m, 10 ft-lb)

SERVICE DATA AND SPECIFICATIONS (SDS)

< SERVICE DATA AND SPECIFICATIONS (SDS)

[POWER SUPPLY & GROUND CIRCUIT]

SERVICE DATA AND SPECIFICATIONS (SDS)

SERVICE DATA AND SPECIFICATIONS (SDS)

Battery

INFOID:000000001835349

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

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