

SECTION **PG**

POWER SUPPLY, GROUND & CIRCUIT ELEMENTS

CONTENTS

POWER SUPPLY&GROUND CIRCUIT	Circuit Breaker	63	F
BASIC INSPECTION	HARNES LAYOUT	64	G
BATTERY	How To Read Harness Layout	64	H
How to Handle Battery	Outline	65	I
Work Flow	Main Harness	66	J
COMPONENT DIAGNOSIS	Engine Room Harness	66	K
POWER SUPPLY ROUTING CIRCUIT	Engine Control Harness	69	L
Wiring Diagram - BATTERY POWER SUPPLY -	Body Harness	70	PG
Wiring Diagram - BATTERY POWER SUPPLY	Body No. 2 Harness	71	N
FUSE No. 8 -	Room Lamp Harness	72	O
Wiring Diagram - BATTERY POWER SUPPLY	Front Door Harness (LH Side)	73	P
FUSE No. 14 -	Front Door Harness (RH Side)	74	
Wiring Diagram - BATTERY POWER SUPPLY	Rear Door Harness (LH Side)	75	
FUSE No. 35 -	Rear Door Harness (RH Side)	76	
Wiring Diagram - BATTERY POWER SUPPLY	Back Door Harness	77	
FUSE No. 45 -	HARNES CONNECTOR	78	
Wiring Diagram - BATTERY POWER SUPPLY	Description	78	
FUSE No. 62 -	STANDARDIZED RELAY	81	
Wiring Diagram - ACCESSORY POWER SUPPLY -	Description	81	
Wiring Diagram - ACCESSORY POWER SUPPLY FUSE No. 20 -	FUSE BLOCK - JUNCTION BOX (J/B)	83	
Wiring Diagram - IGNITION POWER SUPPLY -	Fuse, Connector and Terminal Arrangement	83	
Wiring Diagram - IGNITION POWER SUPPLY	FUSE, FUSIBLE LINK AND RELAY BOX	84	
FUSE No. 1 -	Fuse and Fusible Link Arrangement	84	
Wiring Diagram - IGNITION POWER SUPPLY	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)	85	
FUSE No. 55, 56 -	Fuse, Connector and Terminal Arrangement	85	
Wiring Diagram - IGNITION POWER SUPPLY	PRECAUTION	86	
FUSE No. 58 -	PRECAUTIONS	86	
Wiring Diagram - IGNITION POWER SUPPLY	FOR USA AND CANADA	86	
FUSE No. 59 -	FOR USA AND CANADA : Precaution for Supplemental Restraint System (SRS) "AIR BAG" and "SEAT BELT PRE-TENSIONER"	86	
Wiring Diagram - IGNITION POWER SUPPLY	FOR MEXICO	86	
FUSE No. 63 -			
Wiring Diagram - IGNITION POWER SUPPLY			
FUSE No. 64 -			
Fuse			
Fusible Link			

FOR MEXICO : Precaution for Supplemental Restraint System (SRS) "AIR BAG" and "SEAT BELT PRE-TENSIONER"	86	Removal and Installation	88
PREPARATION	87	BATTERY TERMINAL WITH FUSIBLE LINK... ..	89
PREPARATION	87	Exploded View	89
Special Service Tools	87	Removal and Installation	89
ON-VEHICLE REPAIR	88	SERVICE DATA AND SPECIFICATIONS (SDS)	90
BATTERY	88	SERVICE DATA AND SPECIFICATIONS (SDS)	90
Exploded View	88	Battery	90

BASIC INSPECTION

BATTERY

How to Handle Battery

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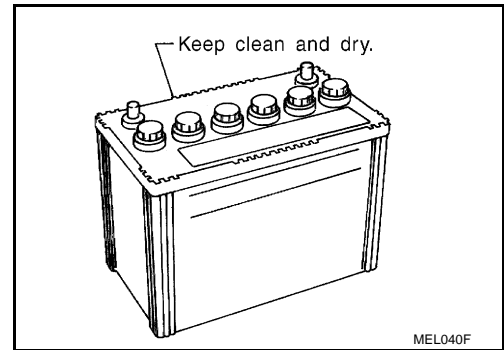
CAUTION:

- 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.

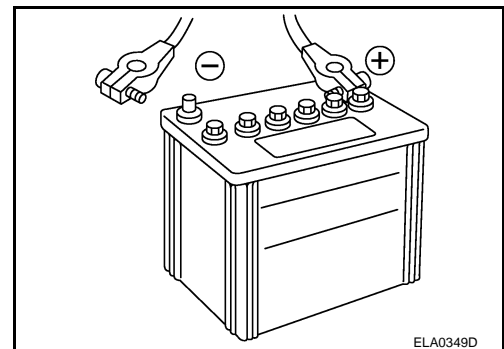
METHODS OF PREVENTING OVER-DISCHARGE

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

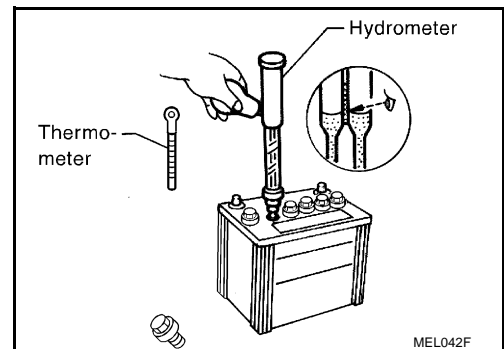
- The battery surface (particularly its top) should always be kept clean and dry.
- The terminal connections should be clean and tight.
- At every routine maintenance, check the electrolyte level. This also applies to batteries designated as "low maintenance" and "maintenance-free".



- 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.

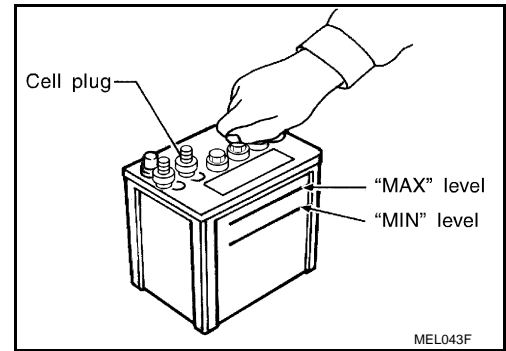
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BATTERY

[POWER SUPPLY & GROUND CIRCUIT]

< BASIC INSPECTION >

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

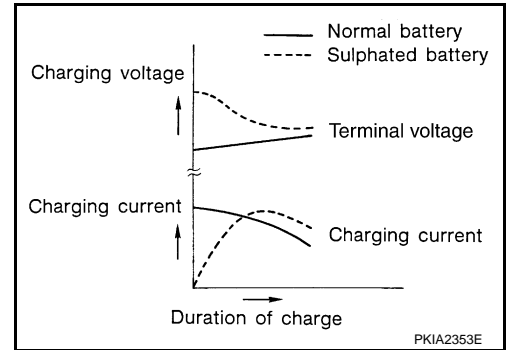


Sulphation

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.

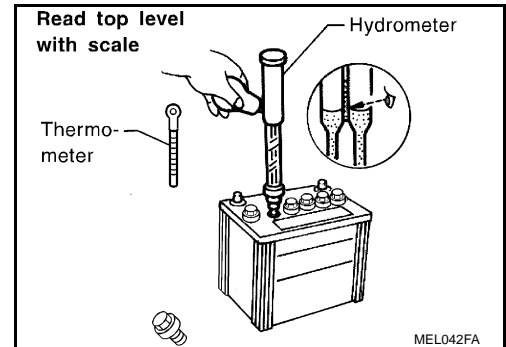
To determine if a battery has been "sulphated", note its voltage and current when charging it. As shown in the figure, less current and higher voltage are observed in the initial stage of charging sulphated batteries.

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

< COMPONENT DIAGNOSIS >

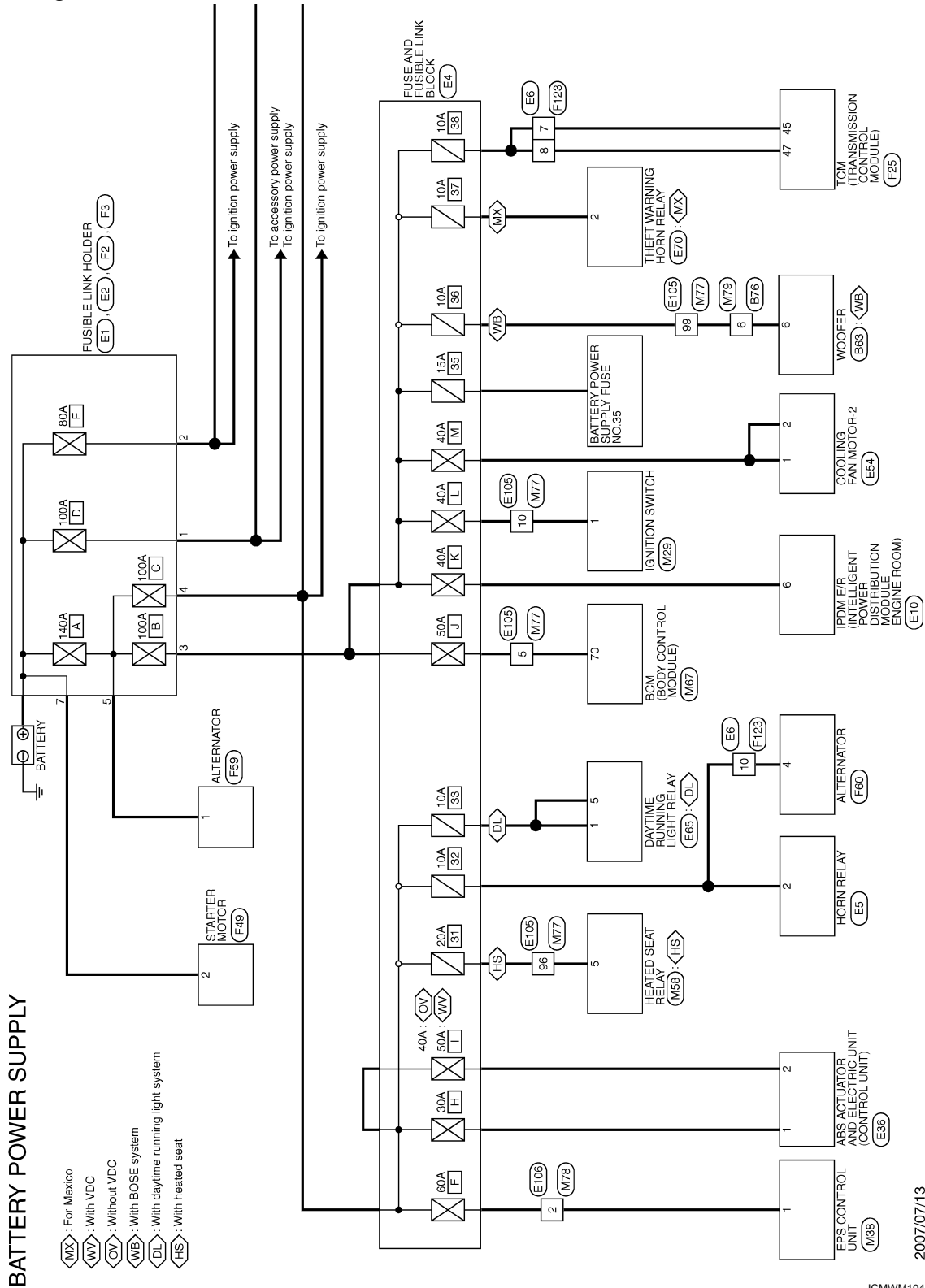
[POWER SUPPLY & GROUND CIRCUIT]

COMPONENT DIAGNOSIS

POWER SUPPLY ROUTING CIRCUIT

Wiring Diagram - BATTERY POWER SUPPLY -

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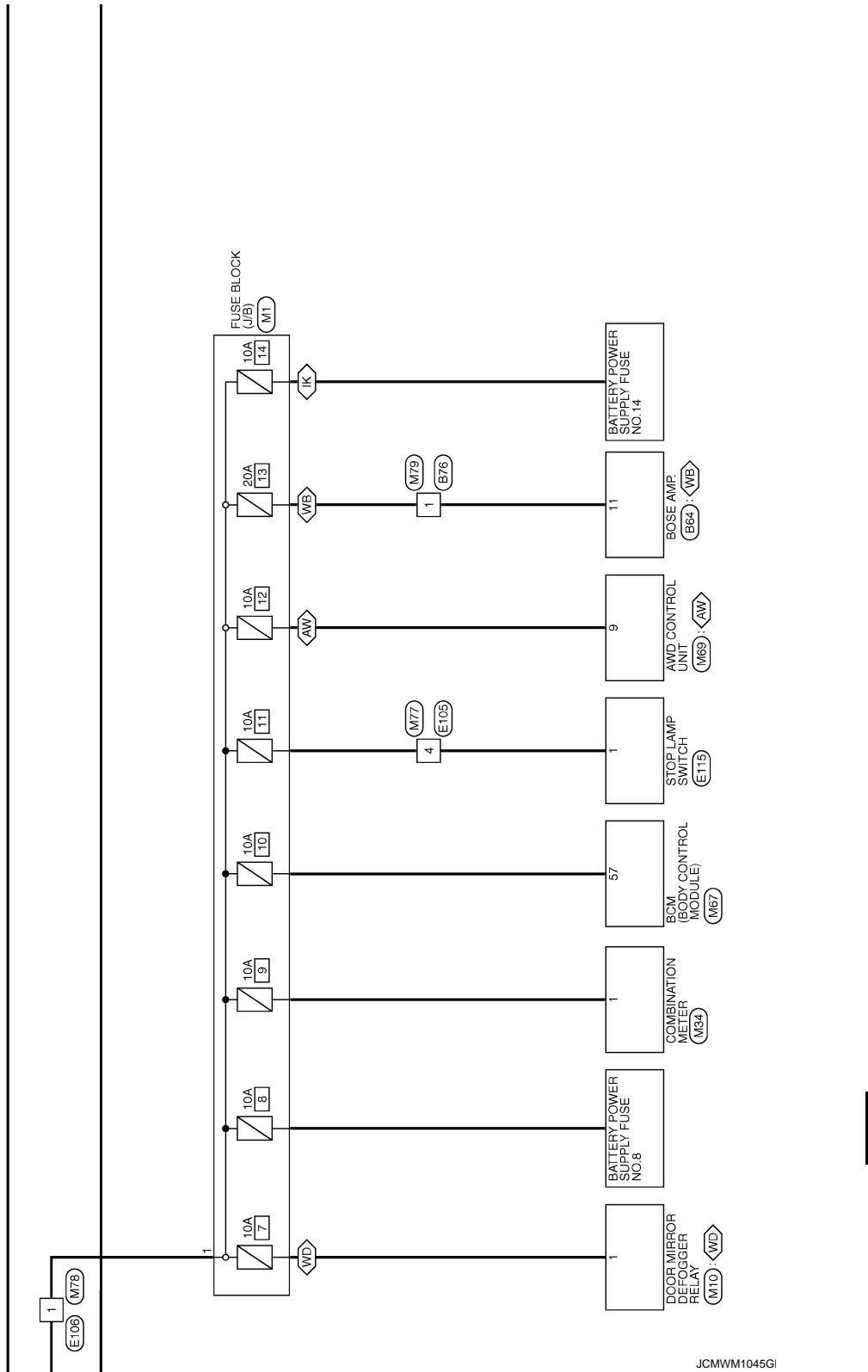


POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

- : AWD models
- : With door mirror defogger
- : With BOSE system
- : With Intelligent Key



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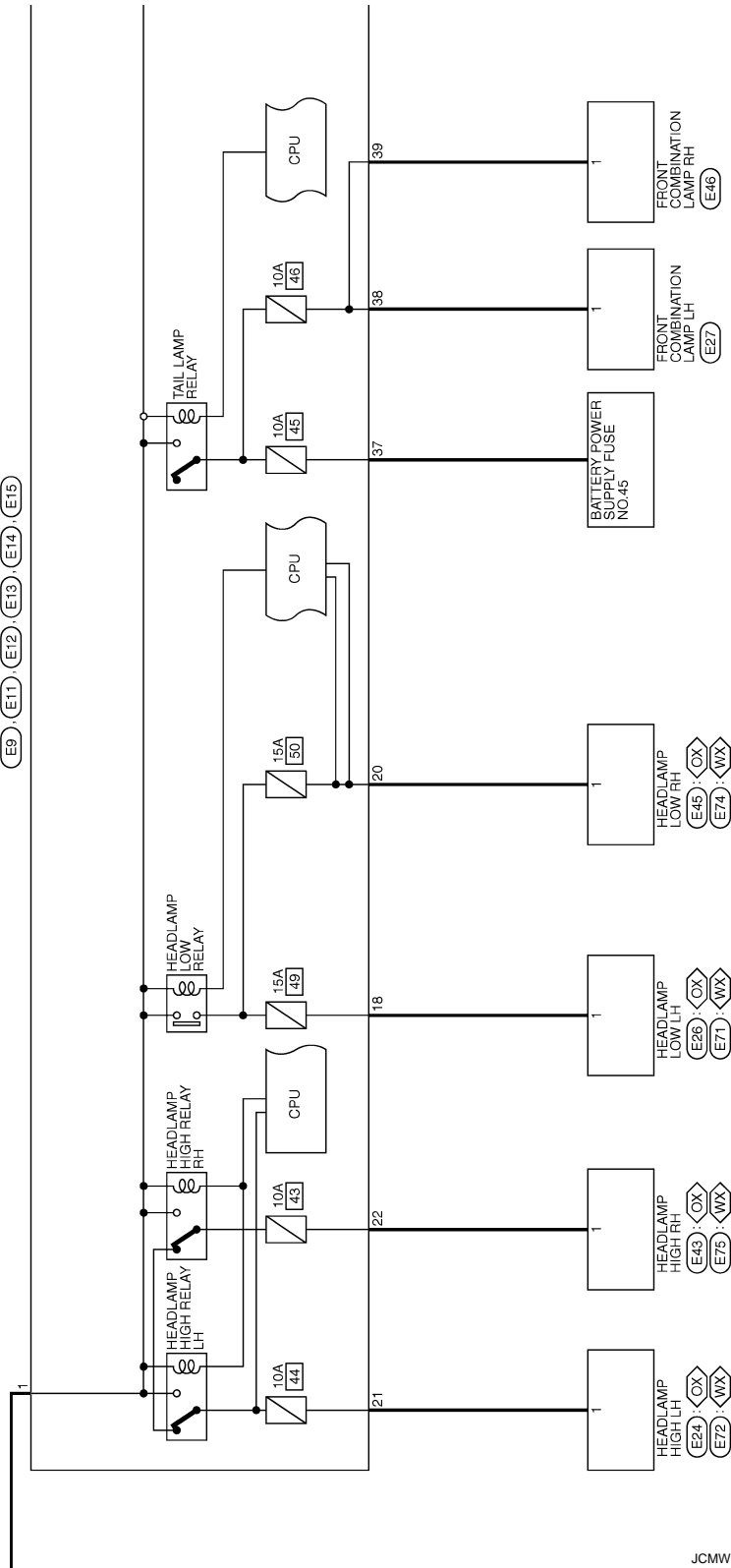
POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

WX: With xenon headlamp
 OX: Without xenon headlamp

IPDM/ER
 (INTELLIGENT POWER DISTRIBUTION
 MODULE (ENGINE ROOM))
 (E9) (E11) (E12) (E13) (E14) (E15)



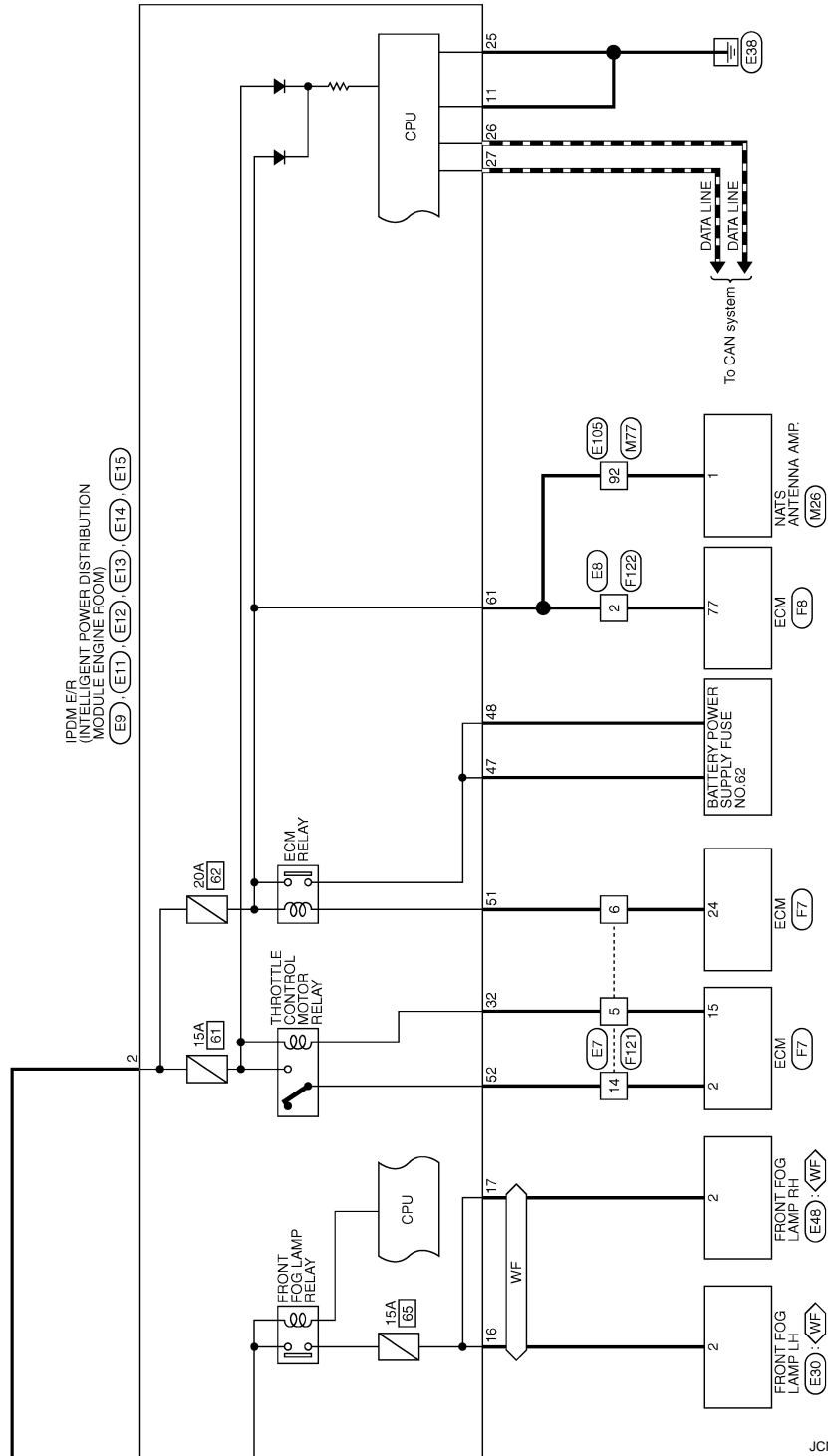
JCMWM1046G

POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

WF: With front fog lamp



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



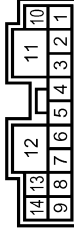



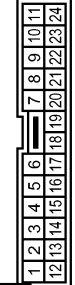





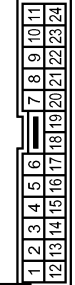



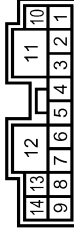



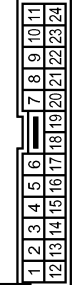


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POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

BATTERY POWER SUPPLY

Connector No. B63	Connector Name WOOFER	Connector Type RS06FGY-PR	 	Terminal No. 6	Color of Wire SB	Signal Name [Specification] BAT
Connector No. E1	Connector Name FUSIBLE LINK HOLDER	Connector Type LD2FGY-MC	 	Terminal No. 1	Color of Wire L	Signal Name [Specification]
Connector No. E2	Connector Name FUSIBLE LINK HOLDER	Connector Type LD2FBR-MC-B	 	Terminal No. 3	Color of Wire W	Signal Name [Specification]
Connector No. E3	Connector Name HORN RELAY	Connector Type -	 	Terminal No. 11	Color of Wire W	Signal Name [Specification] BAT
Connector No. E4	Connector Name BOSE AMP.	Connector Type SGA2FBR-SJA2	 	Terminal No. 1	Color of Wire W	Signal Name [Specification] BAT
Connector No. E5	Connector Name HORN RELAY	Connector Type -	 	Terminal No. 7	Color of Wire O	Signal Name [Specification]
Connector No. E6	Connector Name WIRE TO WIRE	Connector Type TK24MW-1V	 	Terminal No. 8	Color of Wire 0	Signal Name [Specification]
Connector No. E7	Connector Name WIRE TO WIRE	Connector Type NS16MW-CS	 	Terminal No. 5	Color of Wire V	Signal Name [Specification]
Connector No. B76	Connector Name WIRE TO WIRE	Connector Type NS22MW-CS	 	Terminal No. 1	Color of Wire W	Signal Name [Specification]
Connector No. E8	Connector Name WIRE TO WIRE	Connector Type TK24MW-1V	 	Terminal No. 10	Color of Wire LG	Signal Name [Specification]
Connector No. E9	Connector Name WIRE TO WIRE	Connector Type NS16MW-CS	 	Terminal No. 6	Color of Wire L	Signal Name [Specification]
Connector No. B84	Connector Name BOSE AMP.	Connector Type SGA2FBR-SJA2	 	Terminal No. 11	Color of Wire W	Signal Name [Specification] BAT
Connector No. E10	Connector Name WIRE TO WIRE	Connector Type NS22MW-CS	 	Terminal No. 6	Color of Wire SB	Signal Name [Specification]
Connector No. E11	Connector Name WIRE TO WIRE	Connector Type TK24MW-1V	 	Terminal No. 10	Color of Wire LG	Signal Name [Specification]
Connector No. E12	Connector Name WIRE TO WIRE	Connector Type NS16MW-CS	 	Terminal No. 14	Color of Wire P	Signal Name [Specification]

















JCMWM1048G

POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

BATTERY POWER SUPPLY

Connector No.	Color of Wire	Terminal No.	Signal Name [Specification]
E8	WIRE TO WIRE	2	R
Connector Name			
MO2MW-LC			
Connector Type			
 			
E9	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)	1	R
Connector Name			
IG2FB-MC			
Connector Type			
 			
E10	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)	6	BR
Connector Name			
MO6FF-LC			
Connector Type			
 			
E11	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)	11	B
Connector Name			
MO6FB-LC			
Connector Type			
 			
E12	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)	17	R
Connector Name			
NS08FBF-CS			
Connector Type			
 			
E13	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)	25	B
Connector Name			
TH12FW-NH			
Connector Type			
 			
E14	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)	37	R
Connector Name			
NS12FBR-CS			
Connector Type			
 			
E15	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)	47	BR
Connector Name			
NS18FW-CS			
Connector Type			
 			
Terminal No.	Color of Wire	Terminal No.	Color of Wire
16	Y	21	G
17	W	22	LG
18	L		
20	SB		
21	G		
22	LG		
25	B		
26	P		
27	L		
32	V		
37	R		
38	R		
39	GR		
47	BR		
48	R		
51	L		
52	P		
61	R		

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POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

BATTERY POWER SUPPLY

Connector No. E24	Connector Name HEADLAMP HIGH LH	Connector Type U02FB	 	Terminal No. 1	Color of Wire G	Signal Name [Specification]	
Connector No. E26	Connector Name HEADLAMP LOW LH	Connector Type FHZ02FB	 	Terminal No. 1	Color of Wire L	Signal Name [Specification]	
Connector No. E27	Connector Name FRONT COMBINATION LAMP LH	Connector Type Z03FGY	 	Terminal No. 1	Color of Wire R	Signal Name [Specification]	
Connector No. E30	Connector Name FRONT FOG LAMP LH	Connector Type FHZ02FB	 	Terminal No. 2	Color of Wire Y	Signal Name [Specification]	
Connector No. E36	Connector Name ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT)	Connector Type RH28FB-NU4-DH	 	Terminal No. 1	Color of Wire Y	Signal Name [Specification]	MOTOR ACTR
Connector No. E43	Connector Name HEADLAMP HIGH RH	Connector Type U02FB	 	Terminal No. 1	Color of Wire LG	Signal Name [Specification]	
Connector No. E45	Connector Name HEADLAMP LOW RH	Connector Type FHZ02FB	 	Terminal No. 1	Color of Wire SB	Signal Name [Specification]	
Connector No. E46	Connector Name FRONT COMBINATION LAMP RH	Connector Type Z03FGY	 	Terminal No. 1	Color of Wire GR	Signal Name [Specification]	

















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POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

BATTERY POWER SUPPLY

Connector No. E48	Connector Name FRONT FOG LAMP RH	Connector Type FHZ0FB	 	Terminal No. 2	Color of Wire W	Signal Name [Specification] -
Connector No. E54	Connector Name COOLING FAN MOTOR-2	Connector Type RS0FGY-FR	 	Terminal No. 1 2	Color of Wire O O	Signal Name [Specification] -
Connector No. E65	Connector Name DAYTIME RUNNING LIGHT RELAY	Connector Type MS03FB-MZ	 	Terminal No. 1 5	Color of Wire Y Y	Signal Name [Specification] -
Connector No. E70	Connector Name THEFT WARNING HORN RELAY	Connector Type MS03FW-R-LC	 	Terminal No. 2	Color of Wire R	Signal Name [Specification] -
Connector No. E71	Connector Name HEADLAMP LOW LH	Connector Type E02FGY-RS	 	Terminal No. 1	Color of Wire L	Signal Name [Specification] -
Connector No. E72	Connector Name HEADLAMP HIGH LH	Connector Type U02FB	 	Terminal No. 1	Color of Wire G	Signal Name [Specification] -
Connector No. E74	Connector Name HEADLAMP LOW RH	Connector Type E02FGY-RS	 	Terminal No. 1	Color of Wire SB	Signal Name [Specification] -
Connector No. E75	Connector Name HEADLAMP HIGH RH	Connector Type U02FB	 	Terminal No. 1	Color of Wire LG	Signal Name [Specification] -

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POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

BATTERY POWER SUPPLY

Connector No.	E105	Terminal No.	4	Color of Wire	V	Signal Name [Specification]	
Connector Name	WIRE TO WIRE	Terminal No.	5	Color of Wire	Y	Signal Name [Specification]	
Connector Type	THB07V-CS16-TM4	Terminal No.	10	Color of Wire	L	Signal Name [Specification]	
		Terminal No.	92	Color of Wire	O	Signal Name [Specification]	
		Terminal No.	96	Color of Wire	BR	Signal Name [Specification]	
		Terminal No.	98	Color of Wire	SB	Signal Name [Specification]	

Connector No.	E106	Terminal No.	1	Color of Wire	L	Signal Name [Specification]	
Connector Name	WIRE TO WIRE	Terminal No.	2	Color of Wire	R	Signal Name [Specification]	
Connector Type	L02FB-MC						

Connector No.	E115	Terminal No.	1	Color of Wire	V	Signal Name [Specification]	
Connector Name	STOP LAMP SWITCH						
Connector Type	M04FW-LC						

Connector No.	F2	Terminal No.	7	Color of Wire	B/R	Signal Name [Specification]	
Connector Name	FUSIBLE LINK HOLDER						
Connector Type	-						

Connector No.	F3	Terminal No.	5	Color of Wire	B/R	Signal Name [Specification]	
Connector Name	FUSIBLE LINK HOLDER						
Connector Type	-						

Connector No.	F7	Terminal No.	2	Color of Wire	P	Signal Name [Specification]	
Connector Name	ECM	Terminal No.	15	Color of Wire	V	Signal Name [Specification]	VMOT-B1
Connector Type	MAA24FGY-MEAB-LH	Terminal No.	24	Color of Wire	L	Signal Name [Specification]	MOTRLY-B1 SSOFF

Connector No.	F8	Terminal No.	77	Color of Wire	R	Signal Name [Specification]	BATT
Connector Name	ECM						
Connector Type	MAA40FER-MEAB-RH						

Connector No.	F25	Terminal No.	45	Color of Wire	L	Signal Name [Specification]	BATT
Connector Name	TGM (TRANSMISSION CONTROL MODULE)		47	Color of Wire	O	Signal Name [Specification]	BATT
Connector Type	MAA40FB-MEAB-LH						



POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]


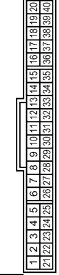
BATTERY POWER SUPPLY

Connector No.	M38
Connector Name	EPS CONTROL UNIT
Connector Type	ANAQ2FB



Terminal No.	1	R	Signal Name [Specification]
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Connector No.	M34
Connector Name	COMBINATION METER
Connector Type	SAB4QFW



Terminal No.	1	LG	Signal Name [Specification]
			BAT

Connector No.	M29
Connector Name	IGNITION SWITCH
Connector Type	MOBFV-LC



Terminal No.	1	L	Signal Name [Specification]
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Connector No.	M26
Connector Name	NATS ANTENNA AMP.
Connector Type	THB4FY-NH



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

Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	TH80MY-C516-TM4



Terminal No.	4	Y	Signal Name [Specification]
	5	Y	-
	10	L	-
	92	L	-
	96	BR	-
	99	SB	-

Connector No.	M69
Connector Name	AWD CONTROL UNIT
Connector Type	TH18FY-NH



Terminal No.	9	W	Signal Name [Specification]
			SOL.BATT

Connector No.	M67
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	FEA09FB-FHA6-SA

Terminal No.	57	G	Signal Name [Specification]
	70	Y	BAT FUSE
			BAT FL

Connector No.	M58
Connector Name	HEATED SEAT RELAY
Connector Type	MS02FL-M2-LC

Terminal No.	5	BR	Signal Name [Specification]
			-

JCMWM1054G

POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

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BATTERY POWER SUPPLY

Connector No.	M7B
Connector Name	WIRE TO WIRE
Connector Type	LOMP-MC



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

Connector No.	M79
Connector Name	WIRE TO WIRE
Connector Type	NSI/PFI-CS



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

JCMWM1055GI

POWER SUPPLY ROUTING CIRCUIT

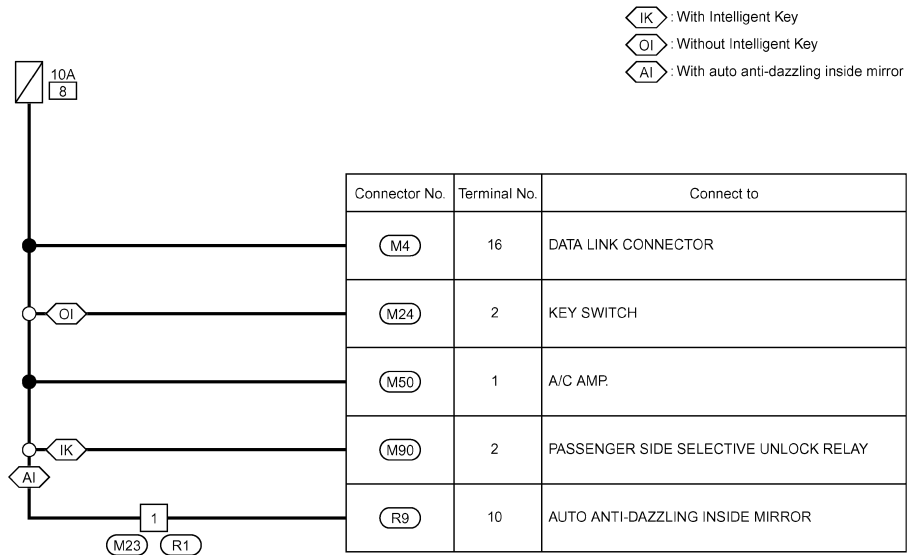
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[POWER SUPPLY&GROUND CIRCUIT]

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 8 -

INFOID:000000001881021

BATTERY POWER SUPPLY FUSE NO.8



2007/07/13

JCMWM1056G

POWER SUPPLY ROUTING CIRCUIT

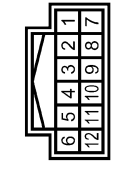
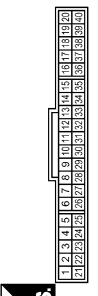
[POWER SUPPLY&GROUND CIRCUIT]

< COMPONENT DIAGNOSIS >

BATTERY POWER SUPPLY FUSE NO.8

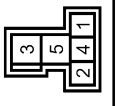
Connector No.	M4	Connector No.	M23	Connector No.	M24	Connector No.	M60
Connector Name	DATA LINK CONNECTOR	Connector Name	WIRE TO WIRE	Connector Name	KEY SWITCH	Connector Name	A/C AMP.
Connector Type	BD16FW	Connector Type	TH12FW-NH	Connector Type	TKG2MBR-P	Connector Type	SAB60FW

Terminal No.	16	Terminal No.	1	Terminal No.	2	Terminal No.	1
Color of Wire	V	Color of Wire	LG	Color of Wire	GR	Color of Wire	LG
Signal Name [Specification]	-	Signal Name [Specification]	-	Signal Name [Specification]	-	Signal Name [Specification]	BAT



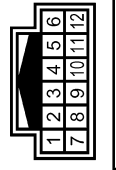
Connector No.	M90
Connector Name	PASSENGER SIDE SELECTIVE UNLOCK RELAY
Connector Type	MS03FB-MZ-LC

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



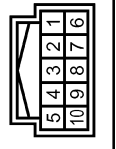
Connector No.	R1
Connector Name	WIRE TO WIRE
Connector Type	TH12MW-NH

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



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

Terminal No.	10
Color of Wire	B/Y
Signal Name [Specification]	-



JCMWM1057G1

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POWER SUPPLY ROUTING CIRCUIT

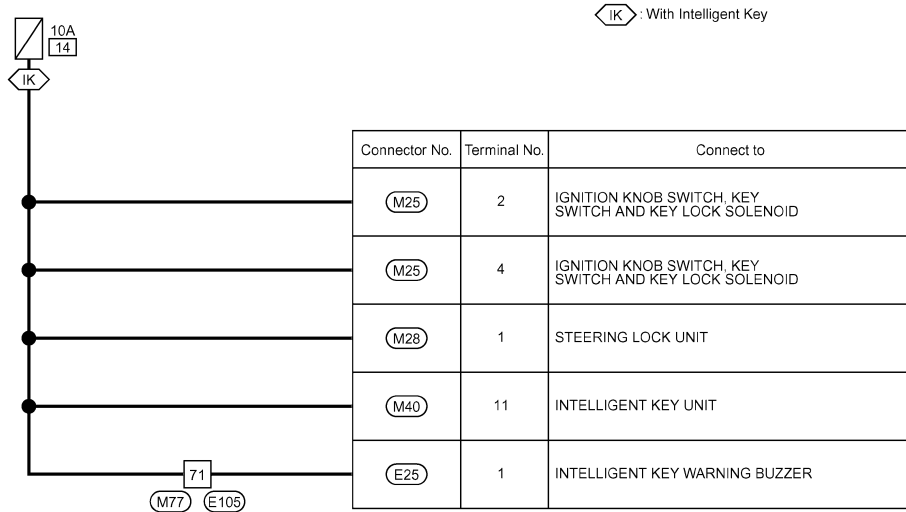
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[POWER SUPPLY&GROUND CIRCUIT]

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 14 -

INFOID:000000001881022

BATTERY POWER SUPPLY FUSE NO.14



2007/07/13

JCMWM1058G

POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

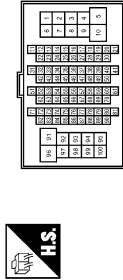
BATTERY POWER SUPPLY FUSE NO.14

Connector No.	E23
Connector Name	INTELLIGENT KEY WARNING BUZZER
Connector Type	RK03FB



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

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



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

Connector No.	M25
Connector Name	IGNITION KNIFE SWITCH KEY SWITCH AND KEY LOCK SOLENOID
Connector Type	TK08MGY



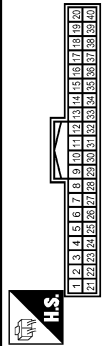
Terminal No.	2	4
Color of Wire	R	P
Signal Name [Specification]		

Connector No.	M28
Connector Name	STEERING LOCK UNIT
Connector Type	TK04FW



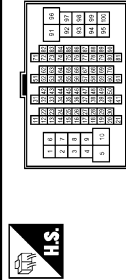
Terminal No.	1
Color of Wire	R
Signal Name [Specification]	

Connector No.	M40
Connector Name	INTELLIGENT KEY UNIT
Connector Type	TH40FW-NH



Terminal No.	11	R
Color of Wire		
Signal Name [Specification]		BATT+

Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4



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

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POWER SUPPLY ROUTING CIRCUIT

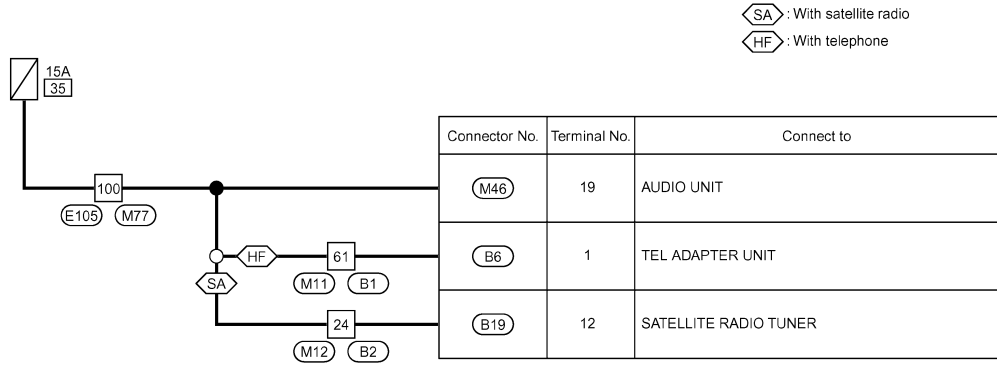
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[POWER SUPPLY&GROUND CIRCUIT]

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 35 -

INFOID:000000001881023

BATTERY POWER SUPPLY FUSE NO.35



2007/07/13

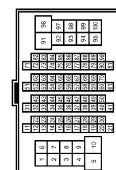
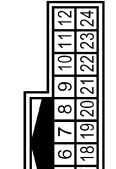
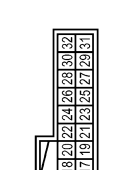
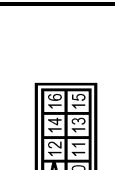
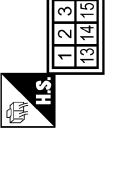




JCMWM1060G

POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE NO.35

Connector No. BI	WIRE TO WIRE TH80FW-CS16-TM4		Color of Wire BR	Signal Name [Specification] -
Terminal No. 61				
Connector No. B1	WIRE TO WIRE TH80FW-CS16-TM4		Color of Wire BR	Signal Name [Specification] -
Terminal No. 61				
Connector No. B2	WIRE TO WIRE TH24MF-NH		Color of Wire BR	Signal Name [Specification] -
Terminal No. 24				
Connector No. B5	TEL ADAPTER UNIT TH24FW-NH		Color of Wire BR	Signal Name [Specification] BAT
Terminal No. 1				
Connector No. B19	SATELLITE RADIO TUNER A18FW		Color of Wire BR	Signal Name [Specification] BAT
Terminal No. 12				
Connector No. E105	WIRE TO WIRE TH80FW-CS16-TM4		Color of Wire L	Signal Name [Specification] -
Terminal No. 100				
Connector No. M11	WIRE TO WIRE TH80FW-CS16-TM4		Color of Wire BR	Signal Name [Specification] -
Terminal No. 61				
Connector No. M12	WIRE TO WIRE TH24FW-NH		Color of Wire BR	Signal Name [Specification] -
Terminal No. 24				
Connector No. M46	AUDIO UNIT TH18FW-CS2		Color of Wire Y	Signal Name [Specification] BAT
Terminal No. 19				

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POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE NO.35

Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	THB0MW-C51(F-TM4)



Terminal No.	100	Color of Wire	Y	Signal Name (Specification)	-
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JCMWM1062G

POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

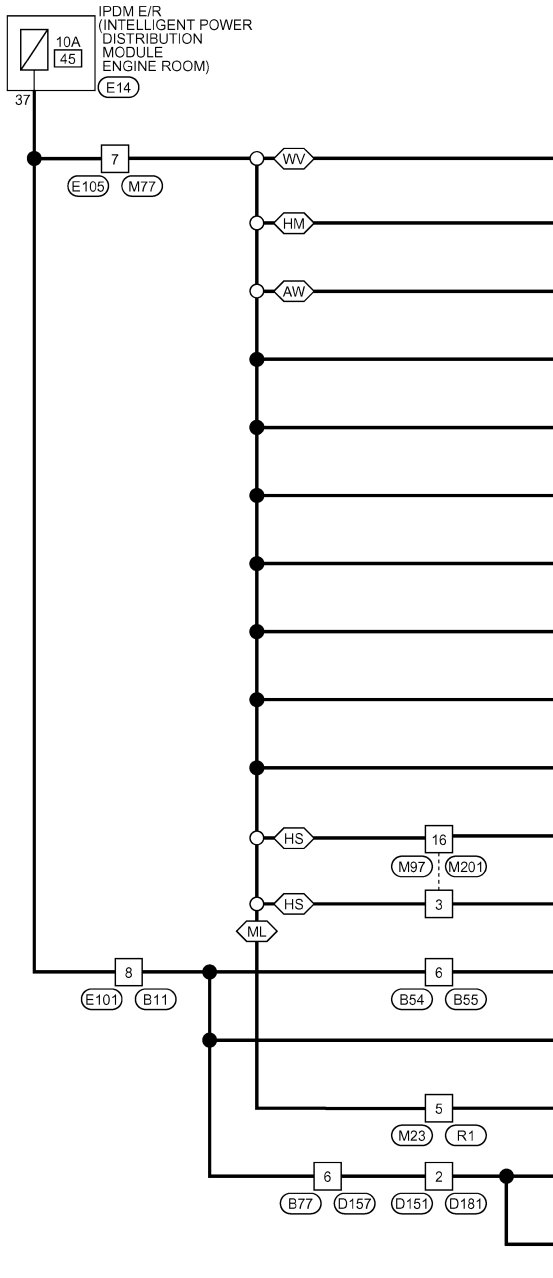
[POWER SUPPLY&GROUND CIRCUIT]

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 45 -

INFOID:000000001881024

BATTERY POWER SUPPLY FUSE NO.45

- : AWD models
- : With VDC
- : With heated seat
- : With mood lamp
- : With headlamp manual aiming



Connector No.	Terminal No.	Connect to
(M5)	3	VDC OFF SWITCH
(M6)	3	HEADLAMP AIMING SWITCH
(M8)	4	AWD LOCK SWITCH
(M16)	1	GLOVE BOX LAMP
(M33)	33	COMBINATION SWITCH (SPIRAL CABLE)
(M45)	3	HAZARD SWITCH
(M46)	9	AUDIO UNIT
(M50)	23	A/C AMP.
(M52)	2	DOOR MIRROR REMOTE CONTROL SWITCH ILLUMINATION
(M57)	5	CONTROL DEVICE
(M202)	5	HEATED SEAT SWITCH LH
(M203)	5	HEATED SEAT SWITCH RH
(B59)	1	REAR COMBINATION LAMP RH
(B80)	1	REAR COMBINATION LAMP LH
(R4)	6	MAP LAMP
(D195)	1	LICENSE PLATE LAMP LH
(D196)	1	LICENSE PLATE LAMP RH

2007/07/13

JCMWM1063GI

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POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

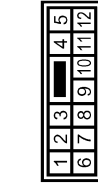
BATTERY POWER SUPPLY FUSE NO.45

Connector No.	B11
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4



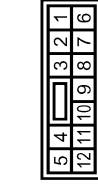
Terminal No.	8	R	
Color of Wire			
Signal Name [Specification]			

Connector No.	B54
Connector Name	WIRE TO WIRE
Connector Type	NS12MF-CS



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

Connector No.	B55
Connector Name	WIRE TO WIRE
Connector Type	NS12FW-CS



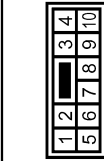
Terminal No.	6	R	
Color of Wire			
Signal Name [Specification]			

Connector No.	B59
Connector Name	REAR COMBINATION LAMP RH
Connector Type	NS30MM-CS



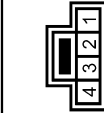
Terminal No.	1	R	
Color of Wire			
Signal Name [Specification]			

Connector No.	B77
Connector Name	WIRE TO WIRE
Connector Type	NS10MW-CS



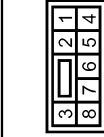
Terminal No.	6	R	
Color of Wire			
Signal Name [Specification]			

Connector No.	B60
Connector Name	REAR COMBINATION LAMP LH
Connector Type	NS30MM-CS



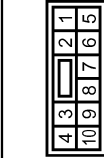
Terminal No.	1	R	
Color of Wire			
Signal Name [Specification]			

Connector No.	D151
Connector Name	WIRE TO WIRE
Connector Type	NS08FBF-CS



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

Connector No.	D157
Connector Name	WIRE TO WIRE
Connector Type	NS10FW-CS



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

JCMWM1064G

POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE NO.45

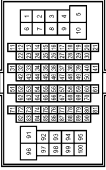
Connector No.	D181	Connector No.	D196	Connector No.	D195	Connector No.	E14
Connector Name	WIRE TO WIRE	Connector Name	LICENSE PLATE LAMP LH	Connector Name	LICENSE PLATE LAMP RH	Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	NS38MR-CS	Connector Type	TK02FBR	Connector Type	TK02FBR	Connector Type	NS12FBR-CS

Terminal No.	2	Terminal No.	1	Terminal No.	1	Terminal No.	37
Color of Wire	R	Color of Wire	R	Color of Wire	R	Color of Wire	R
Signal Name [Specification]	-	Signal Name [Specification]	-	Signal Name [Specification]	-	Signal Name [Specification]	-



Connector No.	E101	Connector No.	E105	Connector No.	M5	Connector No.	M6
Connector Name	WIRE TO WIRE	Connector Name	WIRE TO WIRE	Connector Name	VDC OFF SWITCH	Connector Name	HEADLAMP DIMMING SWITCH
Connector Type	TH80FW-CS16-TM4	Connector Type	TH80FW-CS16-TM4	Connector Type	TK08FGY	Connector Type	A04FW

Terminal No.	8	Terminal No.	7	Terminal No.	3	Terminal No.	3
Color of Wire	R	Color of Wire	R	Color of Wire	R	Color of Wire	R
Signal Name [Specification]	-	Signal Name [Specification]	-	Signal Name [Specification]	-	Signal Name [Specification]	-



JCMWM1065G1

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POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

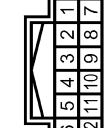
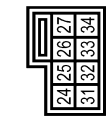
[POWER SUPPLY&GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE NO.45

Connector No.	M8	Connector No.	M16	Connector No.	M23	Connector No.	M33
Connector Name	AWD LOCK SWITCH	Connector Name	GLOVE BOX LAMP	Connector Name	WIRE TO WIRE	Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TK06FW-TV	Connector Type	A02FW	Connector Type	TH12FW-RH	Connector Type	TK08FGY-TV

Terminal No.	4	Terminal No.	1	Terminal No.	5	Terminal No.	33
Color of Wire	R	Color of Wire	R	Color of Wire	R	Color of Wire	R
Signal Name [Specification]	-	Signal Name [Specification]	-	Signal Name [Specification]	-	Signal Name [Specification]	-

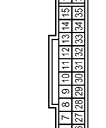
Terminal No.	3	Terminal No.	9	Terminal No.	23	Terminal No.	2
Color of Wire	R	Color of Wire	R	Color of Wire	GR	Color of Wire	R
Signal Name [Specification]	-	Signal Name [Specification]	-	Signal Name [Specification]	LIGHT+	Signal Name [Specification]	-



Connector No.	M45	Connector No.	M46	Connector No.	M50	Connector No.	M52
Connector Name	HAZARD SWITCH	Connector Name	AUDIO UNIT	Connector Name	A/C AMP.	Connector Name	DOOR MIRROR REMOTE CONTROL SWITCH ILLUMINATION
Connector Type	TK04FW	Connector Type	TH18FW-CSZ	Connector Type	SA640FW	Connector Type	A02FW

Terminal No.	4	Terminal No.	1	Terminal No.	5	Terminal No.	33
Color of Wire	R	Color of Wire	R	Color of Wire	R	Color of Wire	R
Signal Name [Specification]	-	Signal Name [Specification]	-	Signal Name [Specification]	-	Signal Name [Specification]	-

Terminal No.	3	Terminal No.	9	Terminal No.	23	Terminal No.	2
Color of Wire	R	Color of Wire	R	Color of Wire	GR	Color of Wire	R
Signal Name [Specification]	-	Signal Name [Specification]	-	Signal Name [Specification]	LIGHT+	Signal Name [Specification]	-



POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

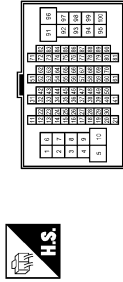
[POWER SUPPLY&GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE NO.45

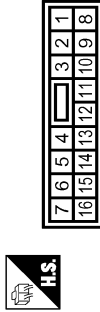
Connector No.	M57
Connector Name	CONTROL DEVICE
Connector Type	TH16FW-NH



Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	TH8GMH-CS(B-TM4)



Connector No.	M97
Connector Name	WIRE TO WIRE
Connector Type	NS16FW-CS



Connector No.	M201
Connector Name	WIRE TO WIRE
Connector Type	NS16MP-CS



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

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

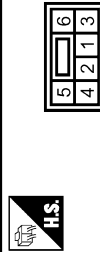
Terminal No.	3	V	
Color of Wire			
Signal Name [Specification]			
Terminal No.	16	R	
Color of Wire			
Signal Name [Specification]			

Terminal No.	3	R	
Color of Wire			
Signal Name [Specification]			
Terminal No.	16	R	
Color of Wire			
Signal Name [Specification]			

Connector No.	M202
Connector Name	HEATED SEAT SWITCH LH
Connector Type	NS06FW-CS



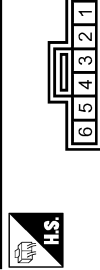
Connector No.	M203
Connector Name	HEATED SEAT SWITCH RH
Connector Type	NS06FBR-CS



Connector No.	R1
Connector Name	WIRE TO WIRE
Connector Type	TH12MW-NH



Connector No.	R4
Connector Name	MAP LAMP
Connector Type	TK08FGY



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

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

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

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

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POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

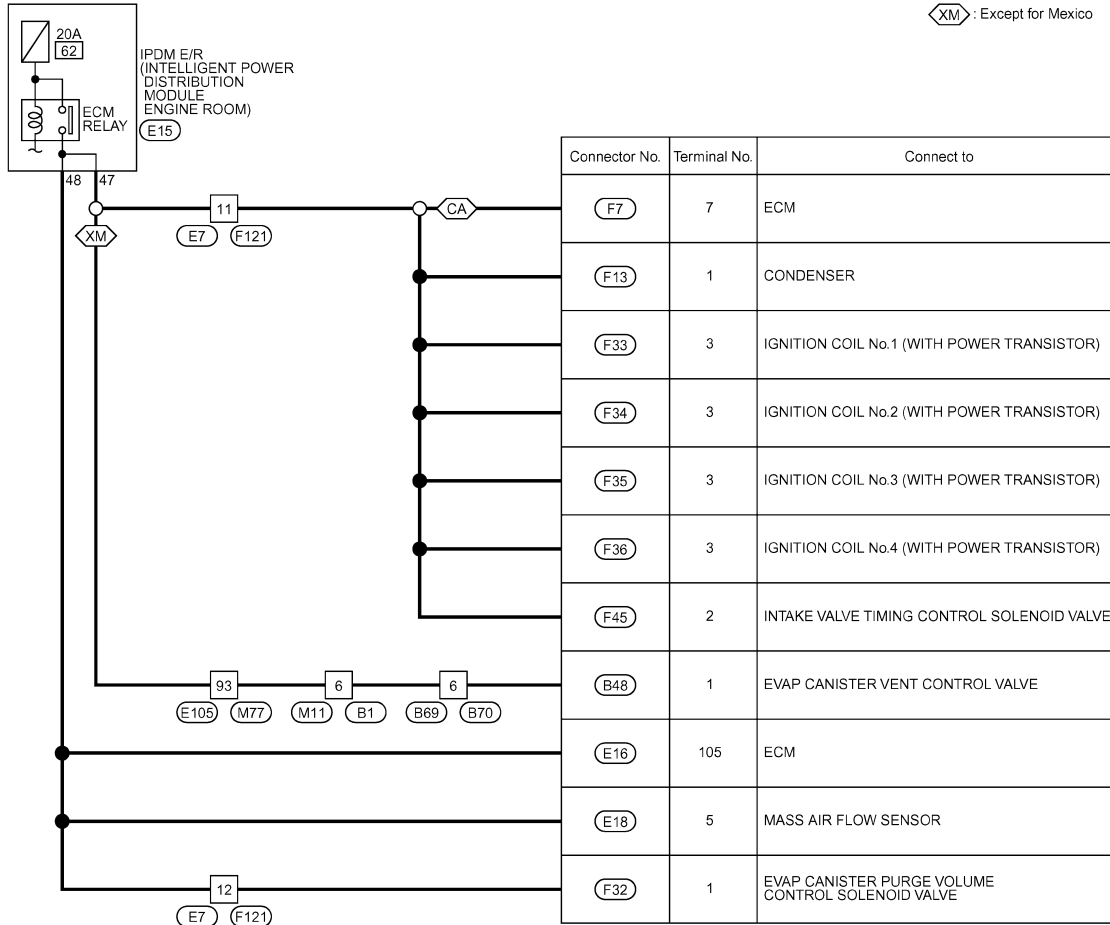
[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 62 -

INFOID:000000001881025

BATTERY POWER SUPPLY FUSE NO.62

CA : For California
 XM : Except for Mexico



2007/07/13

JCMWM1068G

POWER SUPPLY ROUTING CIRCUIT

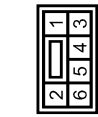
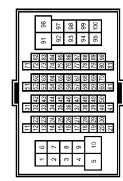
< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE NO.62

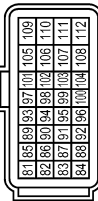
Connector No.	B1	Connector No.	B48	Connector No.	B70
Connector Name	WIRE TO WIRE	EVAP CANISTER VENT CONTROL VALVE	WIRE TO WIRE	WIRE TO WIRE	WIRE TO WIRE
Connector Type	TH80MW-CS (F-TM4)	E02FB-RS	NS08FW-CS	NS08MW-CS	NS08MW-CS

Terminal No.	6	Terminal No.	1	Terminal No.	6
Color of Wire	BR	Color of Wire	BR	Color of Wire	BR
Signal Name [Specification]	-	Signal Name [Specification]	-	Signal Name [Specification]	-



Connector No.	E7	Connector No.	E15	Connector No.	E18
Connector Name	WIRE TO WIRE	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)	WIRE TO WIRE	MASS AIR FLOW SENSOR	MASS AIR FLOW SENSOR
Connector Type	NS16MW-CS	NS16FW-CS	NS16FW-CS	RH05FB	RH05FB

Terminal No.	11	Terminal No.	47	Terminal No.	5
Color of Wire	BR	Color of Wire	BR	Color of Wire	G
Signal Name [Specification]	-	Signal Name [Specification]	-	Signal Name [Specification]	-



JCMWM1069G1

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POWER SUPPLY ROUTING CIRCUIT

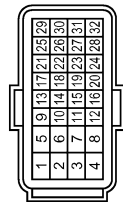
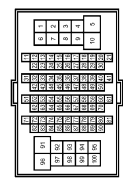
< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE NO.62

Connector No.	E105	Connector No.	F7	Connector No.	F13	Connector No.	F32
Connector Name	WIRE TO WIRE	Connector Name	ECM	Connector Name	CONDENSER	Connector Name	EVAP CANISTER PURGE VOLUME CONTROL SOLENOID VALVE
Connector Type	TH807W-CS16-TM4	Connector Type	MAA24GY-ME48-LH	Connector Type	M02FW-LC	Connector Type	EQ2FE-RS-LGY

Terminal No.	93	Terminal No.	7	Terminal No.	1	Terminal No.	1
Color of Wire	BR	Color of Wire	BR	Color of Wire	BR	Color of Wire	R
Signal Name [Specification]	-	Signal Name [Specification]	VSCV	Signal Name [Specification]	-	Signal Name [Specification]	-



Connector No.	F33	Connector No.	F34	Connector No.	F35	Connector No.	F36
Connector Name	IGNITION COIL No.1 (WITH POWER TRANSISTOR)	Connector Name	IGNITION COIL No.2 (WITH POWER TRANSISTOR)	Connector Name	IGNITION COIL No.3 (WITH POWER TRANSISTOR)	Connector Name	IGNITION COIL No.4 (WITH POWER TRANSISTOR)
Connector Type	EQ3FGY-RS	Connector Type	EQ3FGY-RS	Connector Type	EQ3FGY-RS	Connector Type	EQ3FGY-RS

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



JCMWM1070G

POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY&GROUND CIRCUIT]

< COMPONENT DIAGNOSIS >

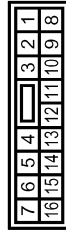
BATTERY POWER SUPPLY FUSE NO.62

Connector No.	F45
Connector Name	INTAKE VALVE TIMING CONTROL SOLENOID VALVE
Connector Type	ECDFE-RS-LGY



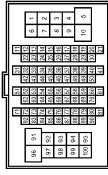
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Connector No.	F121
Connector Name	WIRE TO WIRE
Connector Type	NS16P1P-CS



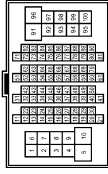
Terminal No.	11	Color of Wire	BR	Signal Name [Specification]	-
	12	R			

Connector No.	M11
Connector Name	WIRE TO WIRE
Connector Type	TRH8P1H-CS16-TM4



Terminal No.	6	Color of Wire	P	Signal Name [Specification]	-
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Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	TRH8MP-CS16-TM4



Terminal No.	93	Color of Wire	P	Signal Name [Specification]	-
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JCMWM1071G1

POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

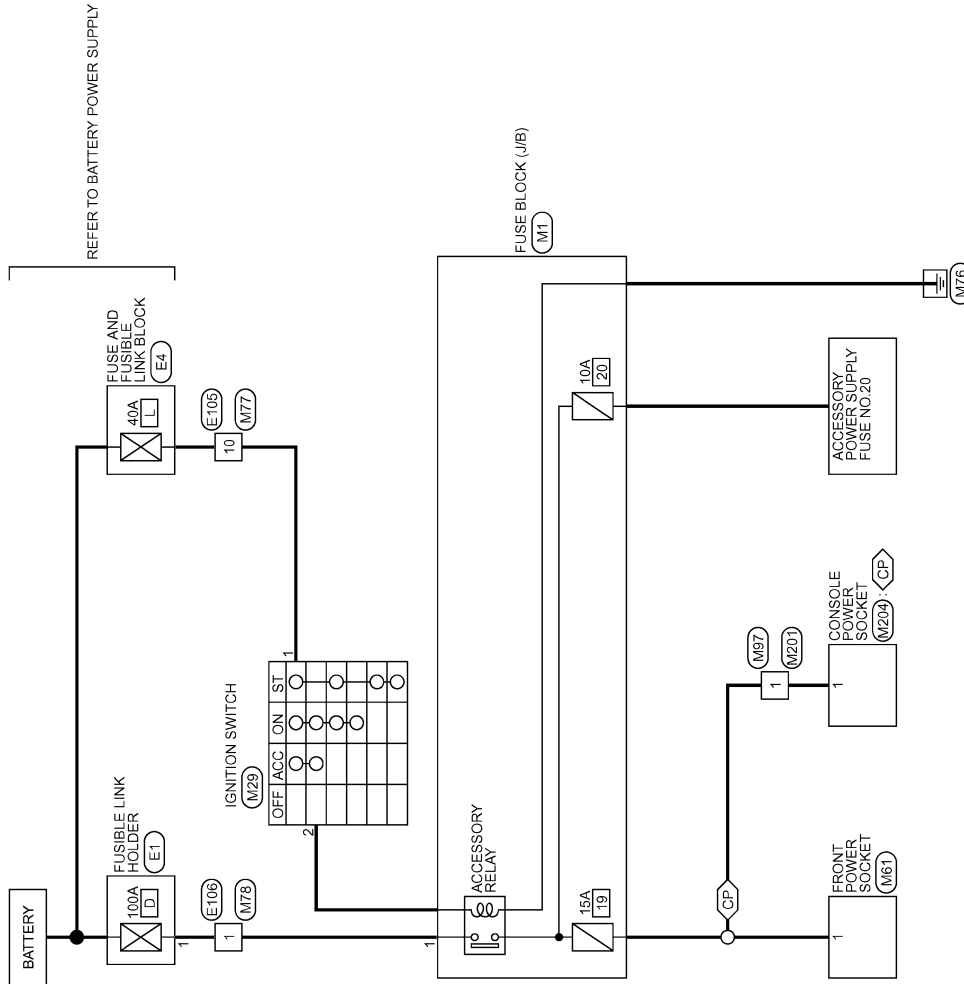
[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - ACCESSORY POWER SUPPLY -

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CP With console power socket

ACCESSORY POWER SUPPLY



2007/07/13

















JCMWM1072G

POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

ACCESSORY POWER SUPPLY

Connector No. E1	Connector Name FUSIBLE LINK HOLDER	Connector Type LOFCY-MC	 	Terminal No. 1	Color of Wire L	Signal Name [Specification]	Terminal No. 1	Color of Wire L	Signal Name [Specification]
Connector No. E105	Connector Name WIRE TO WIRE	Connector Type TH8GFIY-CS16-TM4	 	Terminal No. 10	Color of Wire L	Signal Name [Specification]	Terminal No. 10	Color of Wire L	Signal Name [Specification]
Connector No. E106	Connector Name WIRE TO WIRE	Connector Type LOZFB-MC	 	Terminal No. 1	Color of Wire L	Signal Name [Specification]	Terminal No. 1	Color of Wire L	Signal Name [Specification]
Connector No. M1	Connector Name FUSE BLOCK (J/B)	Connector Type -	 	Terminal No. 1	Color of Wire L	Signal Name [Specification]	Terminal No. 1	Color of Wire L	Signal Name [Specification]
Connector No. M29	Connector Name IGNITION SWITCH	Connector Type M08FW-LC	 	Terminal No. 2	Color of Wire L	Signal Name [Specification]	Terminal No. 2	Color of Wire BR	Signal Name [Specification]
Connector No. M61	Connector Name FRONT POWER SOCKET	Connector Type P02FB-Z	 	Terminal No. 1	Color of Wire O	Signal Name [Specification]	Terminal No. 1	Color of Wire O	Signal Name [Specification]
Connector No. M77	Connector Name WIRE TO WIRE	Connector Type TH8DMW-CS16-TM4	 	Terminal No. 10	Color of Wire L	Signal Name [Specification]	Terminal No. 10	Color of Wire L	Signal Name [Specification]
Connector No. M78	Connector Name WIRE TO WIRE	Connector Type LO2MB-MC	 	Terminal No. 1	Color of Wire L	Signal Name [Specification]	Terminal No. 1	Color of Wire L	Signal Name [Specification]

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POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

ACCESSORY POWER SUPPLY

Connector No.	M97
Connector Name	WIRE TO WIRE
Connector Type	NS16FW-CS



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

Connector No.	M201
Connector Name	WIRE TO WIRE
Connector Type	NS16MP-CS



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

Connector No.	M204
Connector Name	CONSOLE POWER SOCKET
Connector Type	F302FB-Z



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

JCMWM1074G

POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

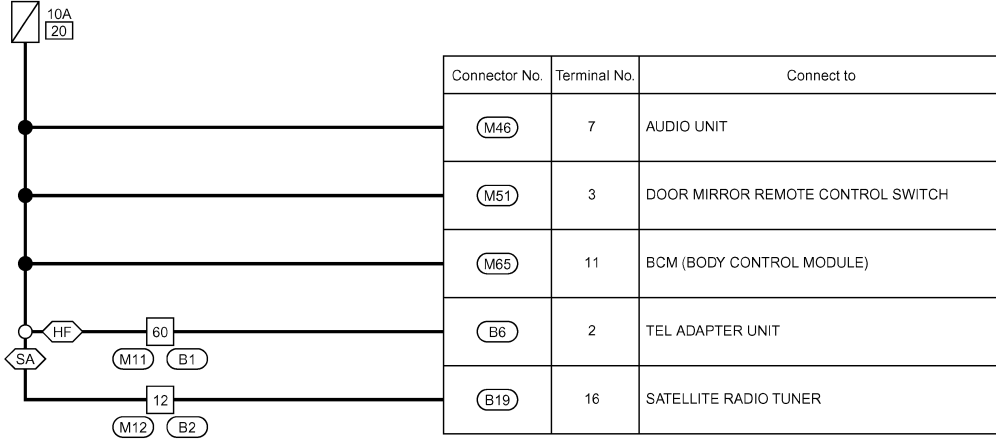
[POWER SUPPLY&GROUND CIRCUIT]

Wiring Diagram - ACCESSORY POWER SUPPLY FUSE No. 20 - ACCESSORY POWER SUPPLY FUSE NO.20

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SA : With satellite radio
HF : With telephone



2007/07/13

JCMWM1075G

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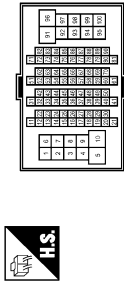
POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

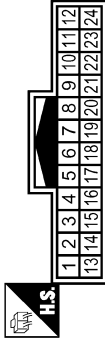
ACCESSORY POWER SUPPLY FUSE NO.20

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



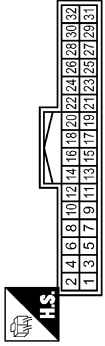
Terminal No.	60	SB	Color of Wire	—	Signal Name [Specification]	—
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Connector No.	B2
Connector Name	WIRE TO WIRE
Connector Type	TH24MF-NH



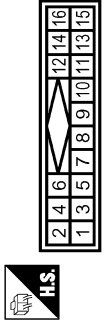
Terminal No.	12	SB	Color of Wire	—	Signal Name [Specification]	—
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Connector No.	B5
Connector Name	TEL ADAPTER UNIT
Connector Type	TH27W-NH



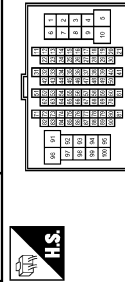
Terminal No.	2	SB	Color of Wire	—	Signal Name [Specification]	ACC
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Connector No.	B19
Connector Name	SATELLITE RADIO TUNER
Connector Type	A18FW



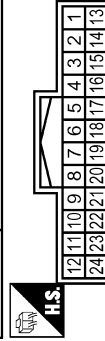
Terminal No.	16	SB	Color of Wire	—	Signal Name [Specification]	ACC
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Connector No.	M1
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4



Terminal No.	60	SB	Color of Wire	—	Signal Name [Specification]	—
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Connector No.	M12
Connector Name	WIRE TO WIRE
Connector Type	TH24FW-NH



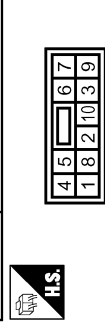
Terminal No.	12	SB	Color of Wire	—	Signal Name [Specification]	—
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Connector No.	M46
Connector Name	AUDIO UNIT
Connector Type	TH18FW-GS2



Terminal No.	7	SB	Color of Wire	—	Signal Name [Specification]	ACC
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Connector No.	M51
Connector Name	DOOR MIRROR REMOTE CONTROL SWITCH
Connector Type	NS10FW-CS



Terminal No.	3	SB	Color of Wire	—	Signal Name [Specification]	—
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POWER SUPPLY ROUTING CIRCUIT

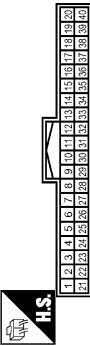
< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

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ACCESSORY POWER SUPPLY FUSE NO.20

Connector No.	M65
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	THR6PW



Terminal No.	11	SB	Signal Name [Specification]	ACC
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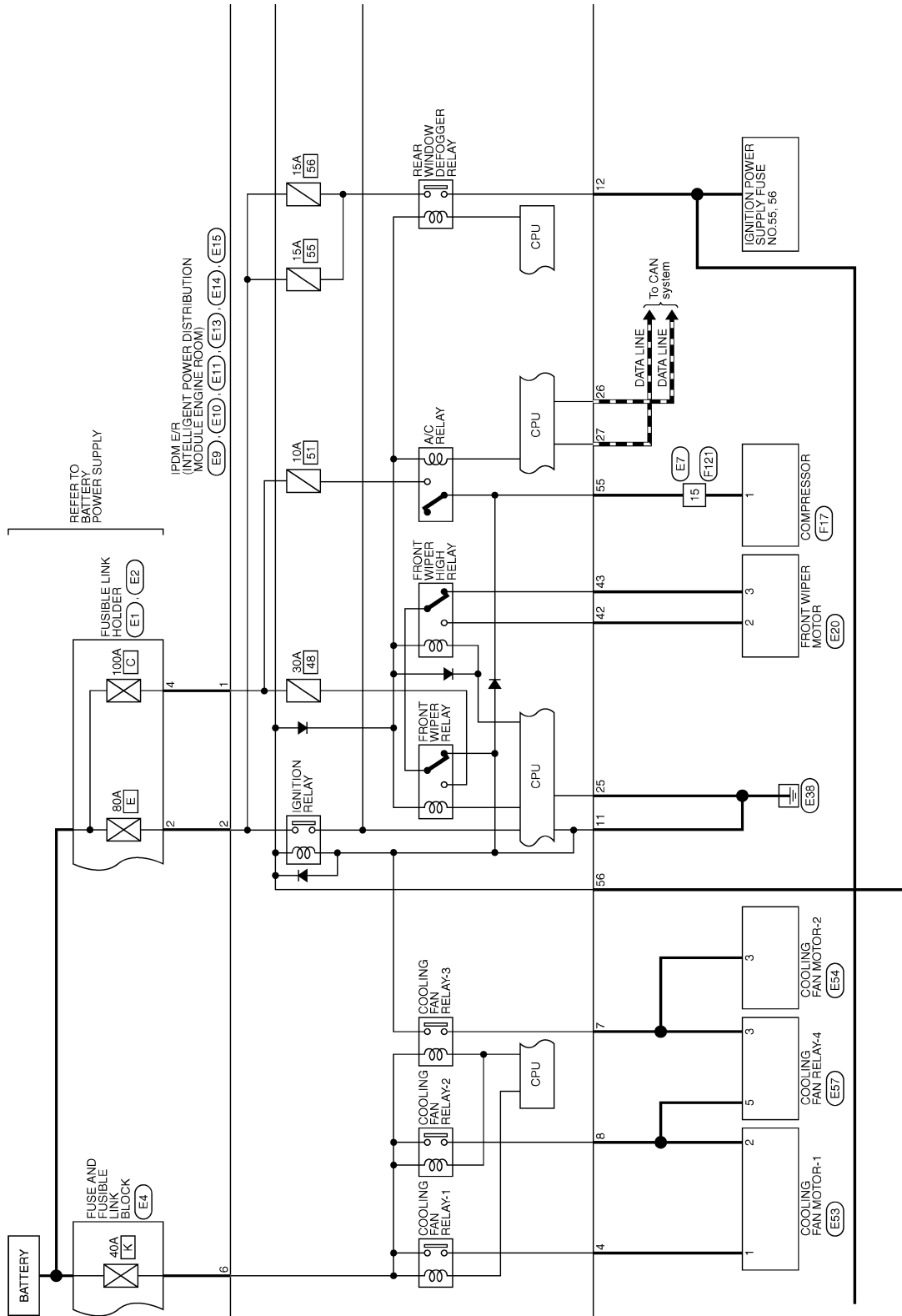
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JCMWM1077G1

POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]



JCMWM1079GI








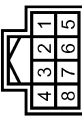





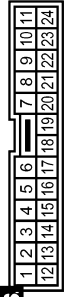






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POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

IGNITION POWER SUPPLY

Connector No. BI	WIRE TO WIRE TH80MW-CS (F-TM4)	 	Terminal No. 2 21	Color of Wire BR R	Signal Name [Specification] - -
Connector No. E1	FUSIBLE LINK HOLDER LO2FGY-MC	 	Terminal No. 1 2	Color of Wire L G	Signal Name [Specification] - -
Connector No. E2	FUSIBLE LINK HOLDER LO2FBR-MC-B	 	Terminal No. 4	Color of Wire R	Signal Name [Specification] -
Connector No. E3	OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT TR0GFPV-HH	 	Terminal No. 4	Color of Wire R	Signal Name [Specification] IGN
Connector No. E4	FUEL LEVEL SENSOR UNIT AND FUEL PUMP E03FGY-RS	 	Terminal No. 5	Color of Wire BR	Signal Name [Specification] -
Connector No. E5	WIRE TO WIRE NS1BMW-CS	 	Terminal No. 15	Color of Wire O	Signal Name [Specification] -
Connector No. E6	WIRE TO WIRE TK24MW-IV	 	Terminal No. 2	Color of Wire SB GR	Signal Name [Specification] - -
Connector No. E7	WIRE TO WIRE NS1BMW-CS	 	Terminal No. 15	Color of Wire O	Signal Name [Specification] -
Connector No. E8	FUSIBLE LINK HOLDER LO2FBR-MC-B	 	Terminal No. 4	Color of Wire R	Signal Name [Specification] -
Connector No. E9	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) LO2FBR-MC	 	Terminal No. 1 2	Color of Wire R G	Signal Name [Specification] - -

JCMWM1081G1

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POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

IGNITION POWER SUPPLY

Connector No.	E14
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	NS12FBR-CS



Terminal No.	Color of Wire	Signal Name [Specification]
40	BR	-
41	O	-
42	L	-
43	G	-
46	W	-

Connector No.	E13
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	TH12FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
25	B	-
26	P	-
27	L	-
33	GR	-

Connector No.	E11
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	M06FB-LC



Terminal No.	Color of Wire	Signal Name [Specification]
11	B	-
12	O	-

Connector No.	E10
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	M08FW-LC



Terminal No.	Color of Wire	Signal Name [Specification]
4	W	-
6	BR	-
7	P	-
8	G	-

Connector No.	E54
Connector Name	COOLING FAN MOTOR-2
Connector Type	RS04FGY-PR



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

Connector No.	E53
Connector Name	COOLING FAN MOTOR-1
Connector Type	RS04FGY-PR



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

Connector No.	E20
Connector Name	FRONT WIPER MOTOR
Connector Type	RS06FGY-PR



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

Connector No.	E15
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	NS16FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
55	O	-
56	SB	- [For North America]
58	LG	- [Except for North America]
59	BR	-
60	SB	-










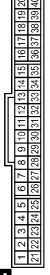
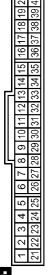
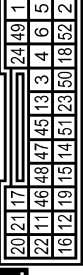





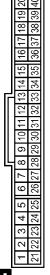
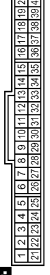
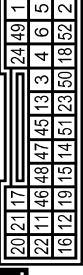




JCMWM1082G

POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

IGNITION POWER SUPPLY

Connector No. M1	FUSE BLOCK (J/B)	Connector No. M2	FUSE BLOCK (J/B)	Connector No. M11	WIRE TO WIRE TH80FW-CS16-TM4	Connector No. M27	COMBINATION SWITCH TK16FW
Color of Wire L	Signal Name [Specification]	Color of Wire P	Signal Name [Specification]	Color of Wire BR	Signal Name [Specification]	Color of Wire BR	Signal Name [Specification]
Terminal No. 1	—	Terminal No. 2	—	Terminal No. 2	—	Terminal No. 14	IGN
Connector Type —		Connector Type —		Connector Type —		Connector Type TK16FW	
							
Connector No. M29	IGNITION SWITCH M08FW-LC	Connector No. M34	COMBINATION METER SAB40FW	Connector No. M50	A/C AMP. SAB40FW	Connector No. M59	AIR BAG DIAGNOSIS SENSOR UNIT TK28FY-EX-SC
Color of Wire L	Signal Name [Specification]	Color of Wire O	Signal Name [Specification]	Color of Wire GR	Signal Name [Specification]	Color of Wire R	Signal Name [Specification]
Terminal No. 1	—	Terminal No. 2	IGN	Terminal No. 20	RR DEF F/S	Terminal No. 1	IGN
Connector Type —		Connector Type —		Connector Type —		Connector Type TK28FY-EX-SC	
							
Connector No. M29	IGNITION SWITCH M08FW-LC	Connector No. M34	COMBINATION METER SAB40FW	Connector No. M50	A/C AMP. SAB40FW	Connector No. M59	AIR BAG DIAGNOSIS SENSOR UNIT TK28FY-EX-SC
Color of Wire L	Signal Name [Specification]	Color of Wire O	Signal Name [Specification]	Color of Wire GR	Signal Name [Specification]	Color of Wire R	Signal Name [Specification]
Terminal No. 1	—	Terminal No. 2	IGN	Terminal No. 20	RR DEF F/S	Terminal No. 1	IGN
Connector Type —		Connector Type —		Connector Type —		Connector Type TK28FY-EX-SC	
							

JCMWM1084G



POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]



IGNITION POWER SUPPLY

Connector No.	M69
Connector Name	WIRE TO WIRE
Connector Type	M02FW-LC



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

Connector No.	M78
Connector Name	WIRE TO WIRE
Connector Type	L02MF-MC



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

Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	T18GMH-CS(B-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	
6	G	
10	L	
25	W	

Connector No.	M301
Connector Name	WIRE TO WIRE
Connector Type	M02FW-LC


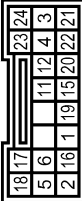
Terminal No.	Color of Wire	Signal Name [Specification]
3	Y	
6	Y	

Connector No.	M312
Connector Name	BLOWER MOTOR
Connector Type	M02FW-LC



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

Connector No.	M69
Connector Name	AFR BAG DIAGNOSIS SENSOR UNIT
Connector Type	TK2DFY-EX-SC

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

Connector No.	M301
Connector Name	WIRE TO WIRE
Connector Type	M02FW-LC

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

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POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

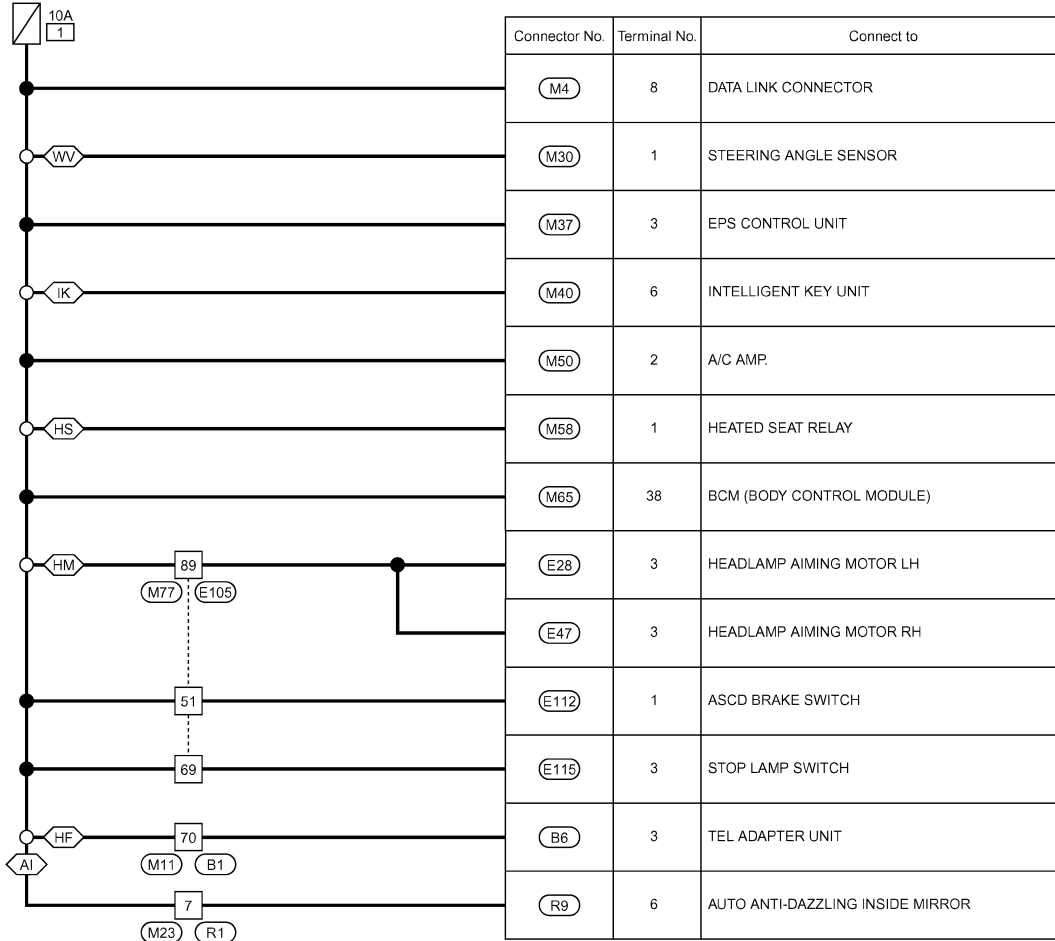
[POWER SUPPLY&GROUND CIRCUIT]

Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 1 -

INFOID:000000001881031

IGNITION POWER SUPPLY FUSE NO.1

-  : With VDC
-  : With Intelligent Key
-  : With headlamp manual aiming
-  : With heated seat
-  : With auto anti-dazzling inside mirror
-  : With telephone



2007/07/13

JCMWM1086G

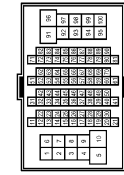
POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

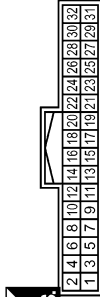
IGNITION POWER SUPPLY FUSE NO.1

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



Terminal No.	70	W	—	—	—
Color of Wire					
Signal Name [Specification]					

Connector No.	B6
Connector Name	TEL ADAPTER UNIT
Connector Type	TH42FW-NH



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

Connector No.	E28
Connector Name	HEADLAMP AIMING MOTOR LH
Connector Type	RM03FB



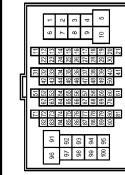
Terminal No.	3	R	—	—	—
Color of Wire					
Signal Name [Specification]					

Connector No.	E47
Connector Name	HEADLAMP AIMING MOTOR RH
Connector Type	RM03FB



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

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



Terminal No.	51	L	—	—	—
Color of Wire					
Signal Name [Specification]					
Terminal No.	69	G	—	—	—
Color of Wire					
Signal Name [Specification]					
Terminal No.	88	R	—	—	—
Color of Wire					
Signal Name [Specification]					

Connector No.	E112
Connector Name	ASCD BRAKE SWITCH
Connector Type	M02FBR-LC



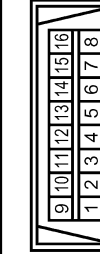
Terminal No.	1	L	—	—	—
Color of Wire					
Signal Name [Specification]					

Connector No.	E115
Connector Name	STOP LAMP SWITCH
Connector Type	M04FW-LC



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

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



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

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POWER SUPPLY ROUTING CIRCUIT

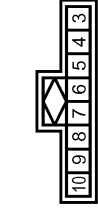
< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

IGNITION POWER SUPPLY FUSE NO.1

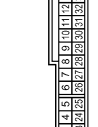
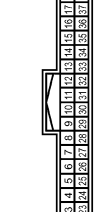
Connector No.	M11	Connector No.	M23	Connector No.	M30	Connector No.	M37
Connector Name	WIRE TO WIRE	Connector Name	WIRE TO WIRE	Connector Name	STEERING ANGLE SENSOR	Connector Name	EPS CONTROL UNIT
Connector Type	TH80TV-CS16-TM4	Connector Type	TH12FW-NH	Connector Type	TH82FW-NH	Connector Type	Males: 88545-0001

Terminal No.	70	Terminal No.	7	Terminal No.	1	Terminal No.	3
Color of Wire	LG	Color of Wire	P	Color of Wire	W	Color of Wire	W
Signal Name [Specification]	-	Signal Name [Specification]	-	Signal Name [Specification]	IGN	Signal Name [Specification]	-



Connector No.	M40	Connector No.	M50	Connector No.	M58	Connector No.	M65
Connector Name	INTELLIGENT KEY UNIT	Connector Name	A/C AMP.	Connector Name	HEATED SEAT RELAY	Connector Name	ECM (BODY CONTROL MODULE)
Connector Type	TH40TV-NH	Connector Type	SAB40FW	Connector Type	MS02FL-M2-LC	Connector Type	TH40FW

Terminal No.	6	Terminal No.	2	Terminal No.	1	Terminal No.	38
Color of Wire	W	Color of Wire	W	Color of Wire	W	Color of Wire	G
Signal Name [Specification]	IGNSW	Signal Name [Specification]	IGN	Signal Name [Specification]	-	Signal Name [Specification]	IGN



JCMWM1088G

POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

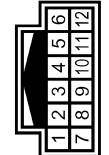
IGNITION POWER SUPPLY FUSE NO.1

Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	THB0WV-CS (F-TM4)



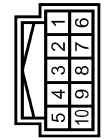
Terminal No.	Color of Wire	Signal Name [Specification]
51	W	-
68	W	-
88	G	-

Connector No.	R1
Connector Name	WIRE TO WIRE
Connector Type	TH12MP-NH



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

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



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

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JCMWM1089GI

POWER SUPPLY ROUTING CIRCUIT

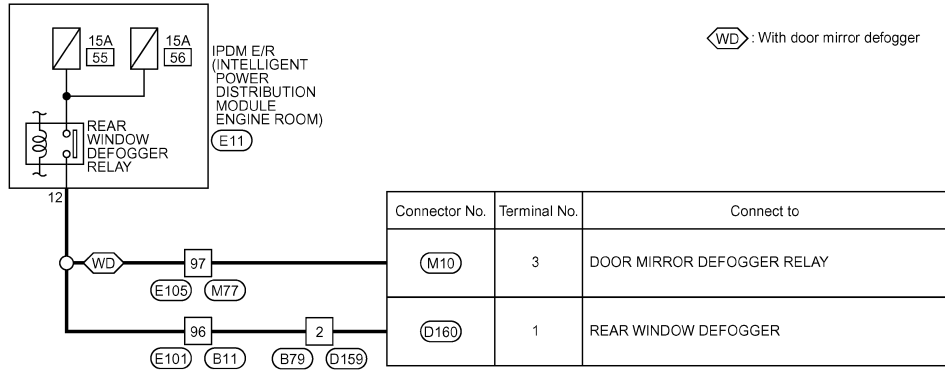
< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 55, 56 -

INFOID:000000001881032

IGNITION POWER SUPPLY FUSE NO.55, 56



2007/07/13

JCMWM1090G

POWER SUPPLY ROUTING CIRCUIT

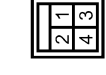
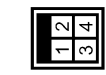
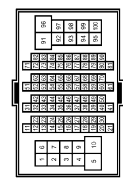
< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

IGNITION POWER SUPPLY FUSE NO.55_56

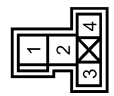
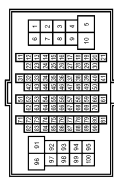
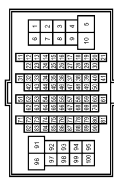
Connector No.	B01	Connector No.	B79	Connector No.	D160
Connector Name	WIRE TO WIRE	Connector Name	WIRE TO WIRE	Connector Name	REAR WINDOW DEFOGGER
Connector Type	TH80FW-CS16-TM4	Connector Type	M04MW-LC	Connector Type	P01FB-A

Terminal No.	96	Terminal No.	2	Terminal No.	1
Color of Wire	G	Color of Wire	G	Color of Wire	G
Signal Name [Specification]	-	Signal Name [Specification]	-	Signal Name [Specification]	-



Connector No.	E11	Connector No.	E101	Connector No.	E105	Connector No.	M10
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)	Connector Name	WIRE TO WIRE	Connector Name	WIRE TO WIRE	Connector Name	DOOR MIRROR DEFOGGER RELAY
Connector Type	M08FB-LC	Connector Type	TH80FW-CS16-TM4	Connector Type	TH80FW-CS16-TM4	Connector Type	MS02FL-M2-LC

Terminal No.	12	Terminal No.	96	Terminal No.	97	Terminal No.	3
Color of Wire	O	Color of Wire	O	Color of Wire	G	Color of Wire	G
Signal Name [Specification]	-	Signal Name [Specification]	-	Signal Name [Specification]	-	Signal Name [Specification]	-



JCMWM1091G1

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POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

IGNITION POWER SUPPLY FUSE NO.55, 56

Connector No.	W77
Connector Name	WIRE TO WIRE
Connector Type	THEBOMW-C516-TM4



Terminal No.	97	Color of Wire	G	Signal Name [Specification]	-
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JCMWM1092G

POWER SUPPLY ROUTING CIRCUIT

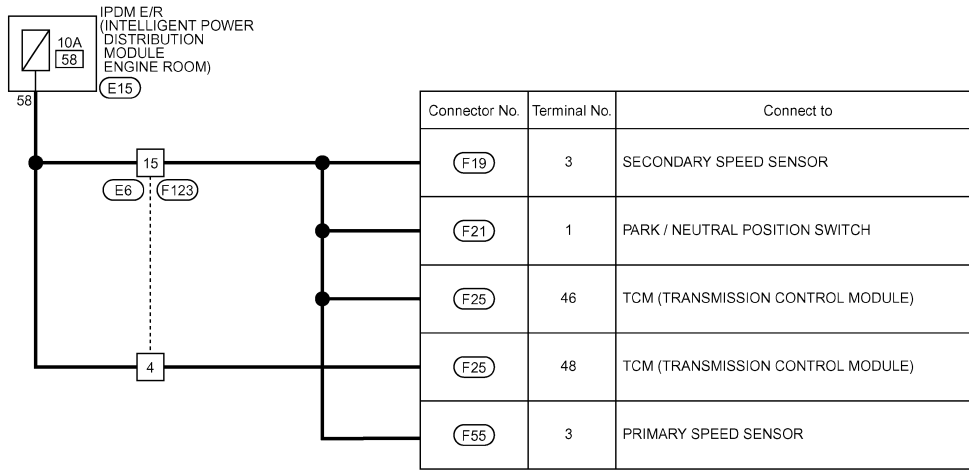
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[POWER SUPPLY&GROUND CIRCUIT]

Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 58 -

INFOID:000000001881033

IGNITION POWER SUPPLY FUSE NO.58



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2007/07/13

JCMWM1093GI

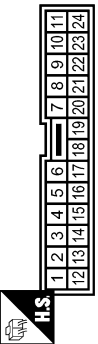
POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

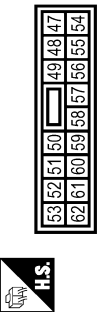
IGNITION POWER SUPPLY FUSE NO.58

Connector No.	E6
Connector Name	WIRE TO WIRE
Connector Type	TKZ4NW-1V



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

Connector No.	E15
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	NS1EFW-CS



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

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



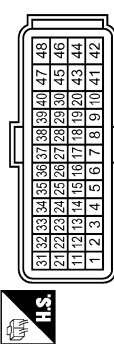
Terminal No.	Color of Wire	Signal Name [Specification]
3	LG	

Connector No.	FZ1
Connector Name	PARK / NEUTRAL POSITION SWITCH
Connector Type	RK08FG



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

Connector No.	F25
Connector Name	TOM (TRANSMISSION CONTROL MODULE)
Connector Type	MAA40FB-MEA8-LH



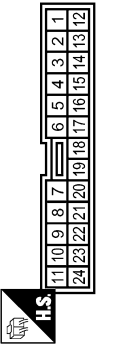
Terminal No.	Color of Wire	Signal Name [Specification]
46	LG	VIGN
48	Y	VIGN

Connector No.	F55
Connector Name	PRIMARY SPEED SENSOR
Connector Type	RK03FB



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

Connector No.	F123
Connector Name	WIRE TO WIRE
Connector Type	TKZ4FW-1V



Terminal No.	Color of Wire	Signal Name [Specification]
4	Y	
15	LG	

POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

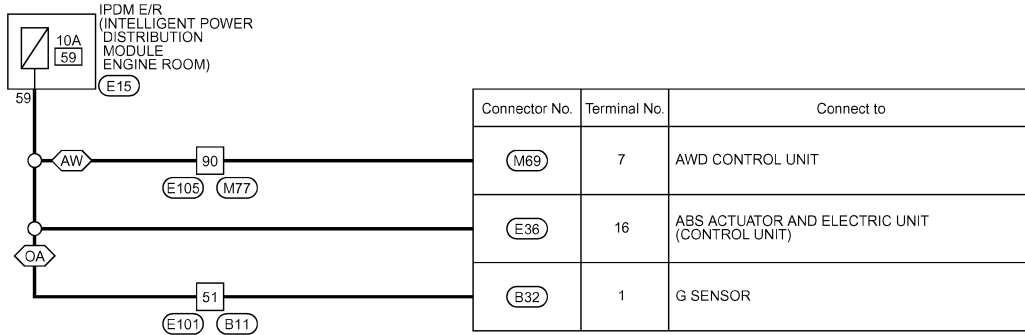
[POWER SUPPLY&GROUND CIRCUIT]

Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 59 -

INFOID:000000001881034

IGNITION POWER SUPPLY FUSE NO.59

AW : AWD models
 OA : AWD models without VDC



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2007/07/13

JCMWM1095G

POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

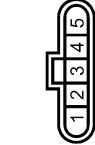
IGNITION POWER SUPPLY FUSE NO.59

Connector No.	B11
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4



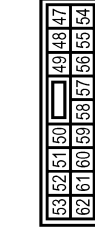
Terminal No.	51	GR	Signal Name [Specification]	
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Connector No.	B32
Connector Name	G SENSOR
Connector Type	YD26FW



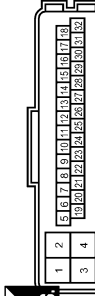
Terminal No.	1	GR	Signal Name [Specification]	IGN
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Connector No.	E15
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	NS16FW-CS



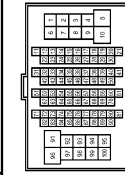
Terminal No.	59	BR	Signal Name [Specification]	
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Connector No.	E36
Connector Name	ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT)
Connector Type	FR28FB-NM4-DH



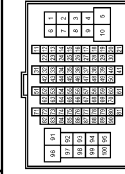
Terminal No.	16	BR	Signal Name [Specification]	IGN
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Connector No.	E101
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4



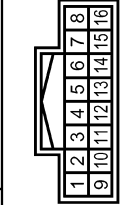
Terminal No.	51	GR	Signal Name [Specification]	
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Connector No.	E105
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4



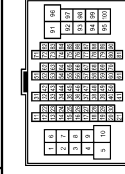
Terminal No.	90	GR	Signal Name [Specification]	
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Connector No.	M69
Connector Name	AMD CONTROL UNIT
Connector Type	TH16FW-NH



Terminal No.	7	GR	Signal Name [Specification]	IGN
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Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4



Terminal No.	90	GR	Signal Name [Specification]	
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POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

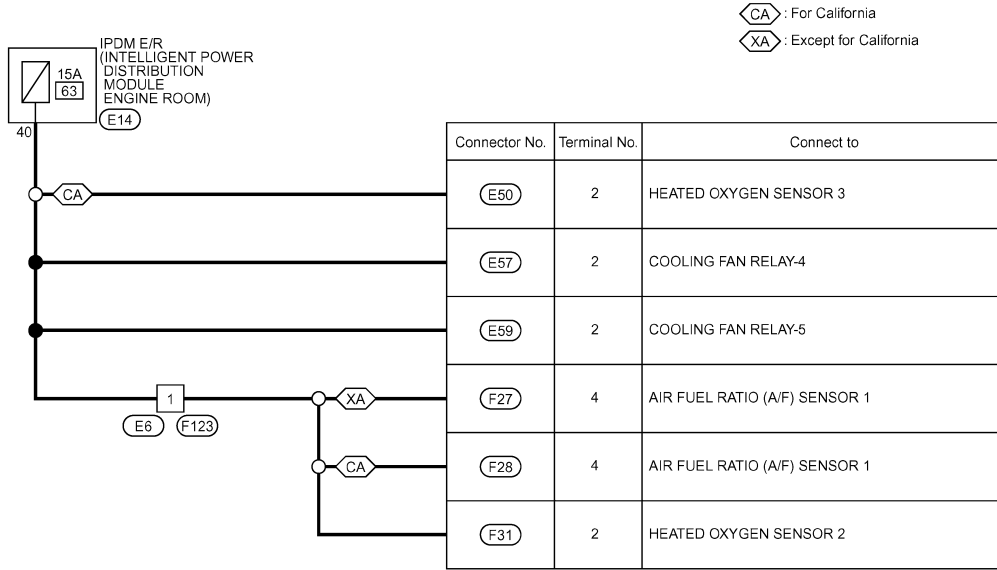
[POWER SUPPLY&GROUND CIRCUIT]

Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 63 -

INFOID:000000002987166

Click here to view the eWD.

IGNITION POWER SUPPLY FUSE NO.63



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2007/07/13

JCMWM1097G

POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

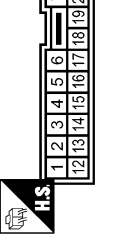
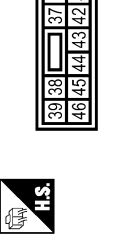
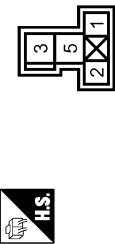
[POWER SUPPLY&GROUND CIRCUIT]

IGNITION POWER SUPPLY FUSE NO.63

Connector No.	E6	Connector No.	E14	Connector No.	E50	Connector No.	E57
Connector Name	WIRE TO WIRE	Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)	Connector Name	HEATED OXYGEN SENSOR 3	Connector Name	COOLING FAN RELAY-4
Connector Type	TK2AWP-1V	Connector Type	NS1/FBR-CS	Connector Type	AFZ04FGY	Connector Type	MS02FL-M2

Terminal No.	1	Terminal No.	40	Terminal No.	2	Terminal No.	2
Color of Wire	BR	Color of Wire	BR	Color of Wire	BR	Color of Wire	O
Signal Name [Specification]		Signal Name [Specification]		Signal Name [Specification]		Signal Name [Specification]	

Terminal No.	1	Terminal No.	4	Terminal No.	4	Terminal No.	2
Color of Wire	BR	Color of Wire	BR	Color of Wire	BR	Color of Wire	BR
Signal Name [Specification]		Signal Name [Specification]		Signal Name [Specification]		Signal Name [Specification]	



Connector No.	E59	Connector No.	F27	Connector No.	F28	Connector No.	F31
Connector Name	COOLING FAN RELAY-5	Connector Name	AIR FUEL RATIO (A/F) SENSOR 1	Connector Name	AIR FUEL RATIO (A/F) SENSOR 1	Connector Name	HEATED OXYGEN SENSOR 2
Connector Type	MS02FL-M2	Connector Type	AFZ04FGY	Connector Type	AFZ04FGY	Connector Type	AFZ04FB

Terminal No.	2	Terminal No.	4	Terminal No.	4	Terminal No.	2
Color of Wire	V	Color of Wire	BR	Color of Wire	BR	Color of Wire	BR
Signal Name [Specification]		Signal Name [Specification]		Signal Name [Specification]		Signal Name [Specification]	

Terminal No.	2	Terminal No.	4	Terminal No.	4	Terminal No.	2
Color of Wire	BR	Color of Wire	BR	Color of Wire	BR	Color of Wire	BR
Signal Name [Specification]		Signal Name [Specification]		Signal Name [Specification]		Signal Name [Specification]	



JCMWM1098G

POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

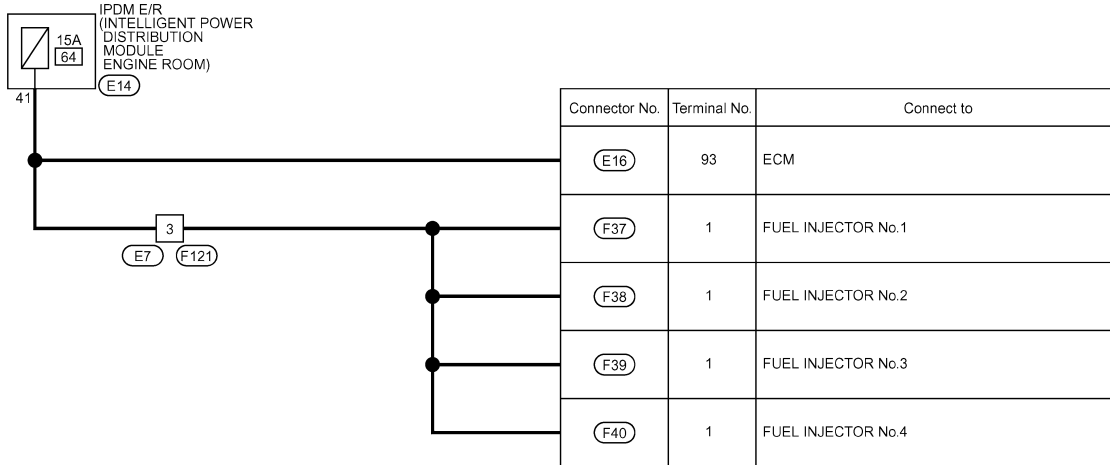
[POWER SUPPLY&GROUND CIRCUIT]

Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 64 -

INFOID:000000002987167

Click here to view the eWD.

IGNITION POWER SUPPLY FUSE NO.64



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JCMWM1099G

POWER SUPPLY ROUTING CIRCUIT

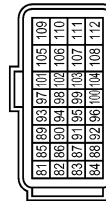
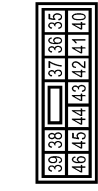
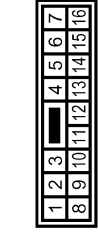
< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

IGNITION POWER SUPPLY FUSE NO.64

Connector No.	E7	Connector No.	E14	Connector No.	E16	Connector No.	F27
Connector Name	WIRE TO WIRE	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)	ECM	FUEL INJECTOR No.1	FUEL INJECTOR No.1	FUEL INJECTOR No.1
Connector Type	HS16MW-CS	NS1/FBR-CS	NS1/FBR-CS	MAA24E-MEA8-RH	HS02FGY	HS02FGY	HS02FGY

Terminal No.	3	Terminal No.	41	Terminal No.	93	Terminal No.	1
Color of Wire	O	Color of Wire	O	Color of Wire	O	Color of Wire	O
Signal Name [Specification]	-	Signal Name [Specification]	-	Signal Name [Specification]	IGNSW	Signal Name [Specification]	-



Connector No.	F38	Connector No.	F39	Connector No.	F40	Connector No.	F121
Connector Name	FUEL INJECTOR No.2	FUEL INJECTOR No.3	FUEL INJECTOR No.4	FUEL INJECTOR No.4	WIRE TO WIRE	WIRE TO WIRE	WIRE TO WIRE
Connector Type	HS02FGY	HS02FGY	HS02FGY	HS02FGY	NS16FW-CS	NS16FW-CS	NS16FW-CS

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



JCMWM1100GI

POWER SUPPLY ROUTING CIRCUIT

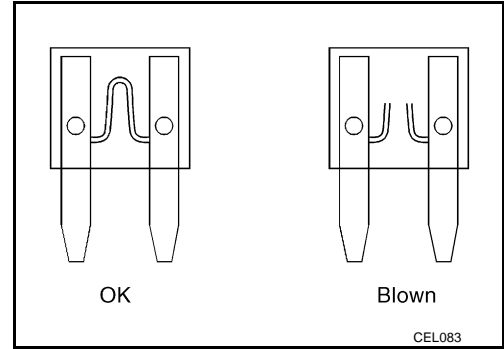
< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

Fuse

INFOID:000000001711302

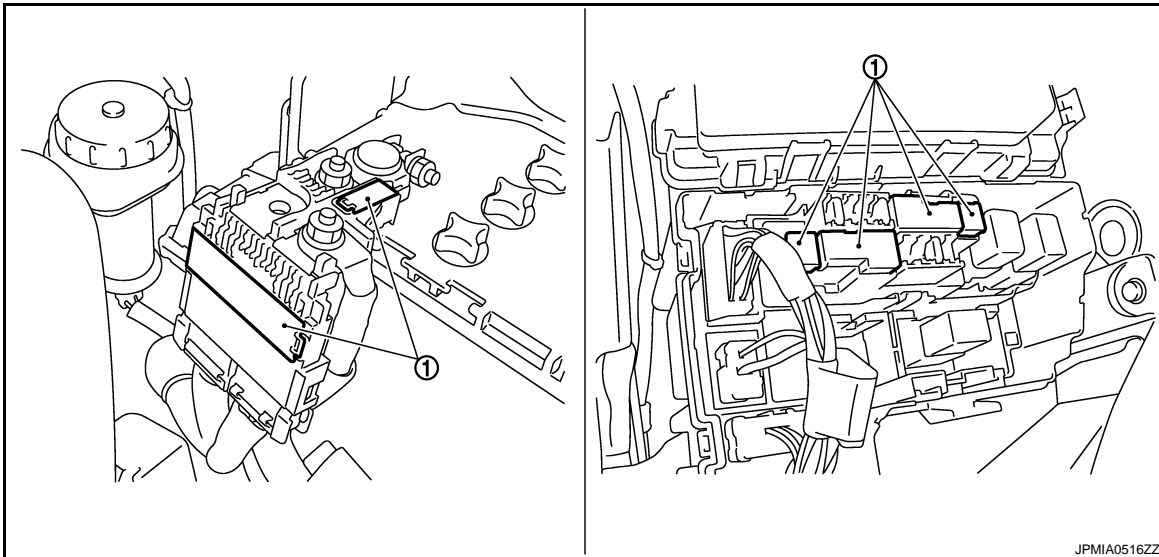
- If fuse is blown, be sure to eliminate cause of malfunction before installing new fuse.
- Use fuse of specified rating. Never use fuse of more than specified rating.
- Do not partially install fuse; always insert it into fuse holder properly.
- Remove fuse for "ELECTRICAL PARTS (BAT)" if vehicle is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



Fusible Link

INFOID:000000001711303

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

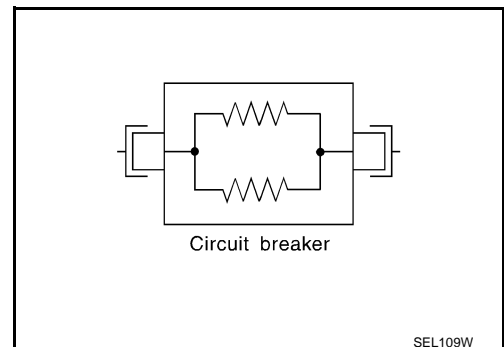
CAUTION:

- 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:000000001711304

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

< COMPONENT DIAGNOSIS >

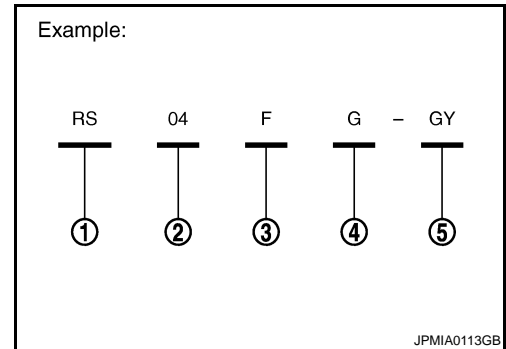
[POWER SUPPLY&GROUND CIRCUIT]

HARNESS LAYOUT

How To Read Harness Layout

INFOID:000000001841389

- 1 : Connector model
- 2 : Cavity
- 3 : Male (M) and female (F) terminals
- 4 : Connector color
- 5 : Special type



CONNECTOR SYMBOL

Main symbols of connector (in Harness Layout) are indicated in the below.

Connector type	Water proof type		Standard type	
	Male	Female	Male	Female
Connector symbol				
Ground terminal etc.	—			

JPMIA0114GB

HARNESSES LAYOUT

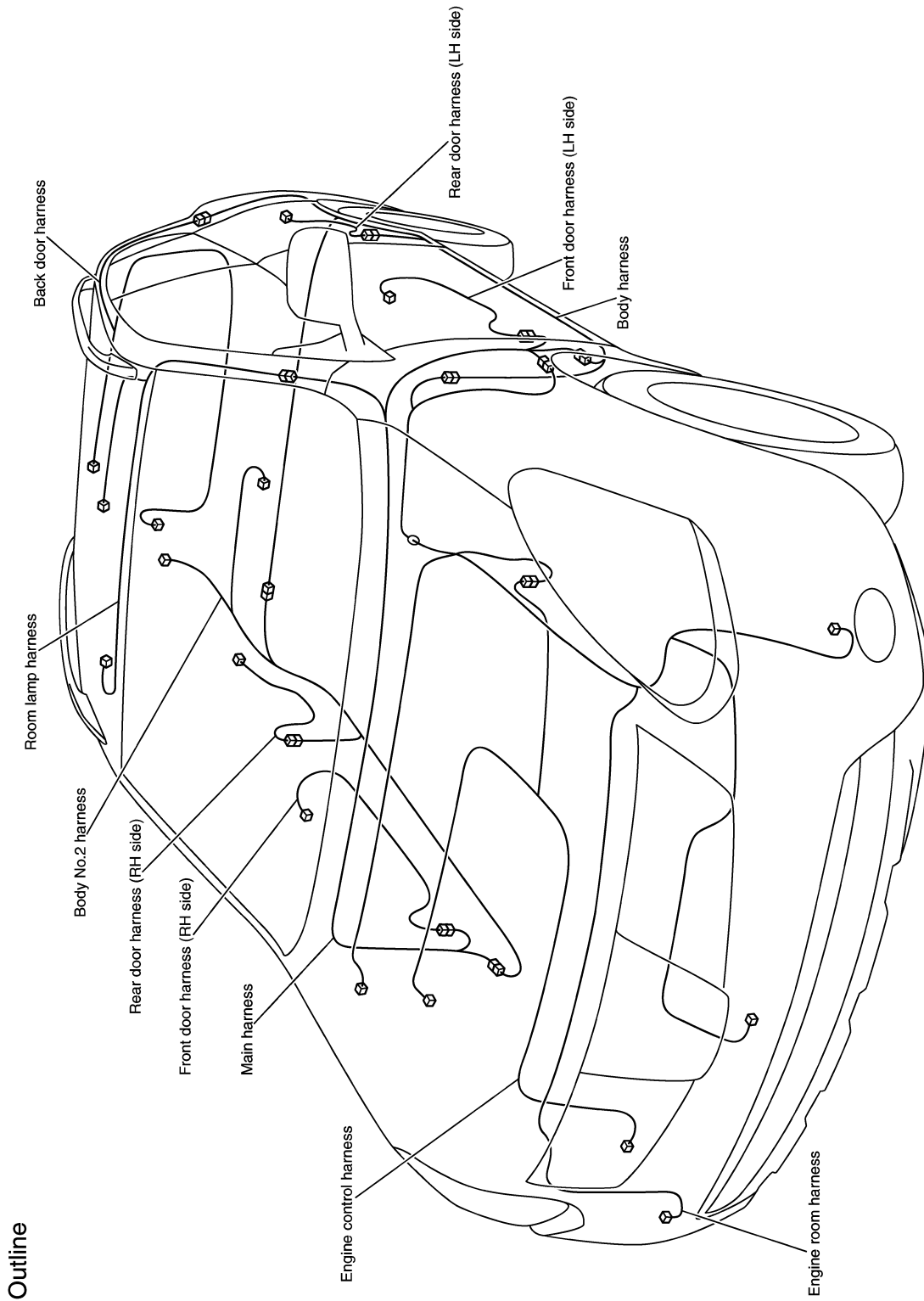
< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

Outline

INFOID:000000001841390

[Click here to view the eWD.](#)



Outline

2007/07/13

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HARNESS LAYOUT

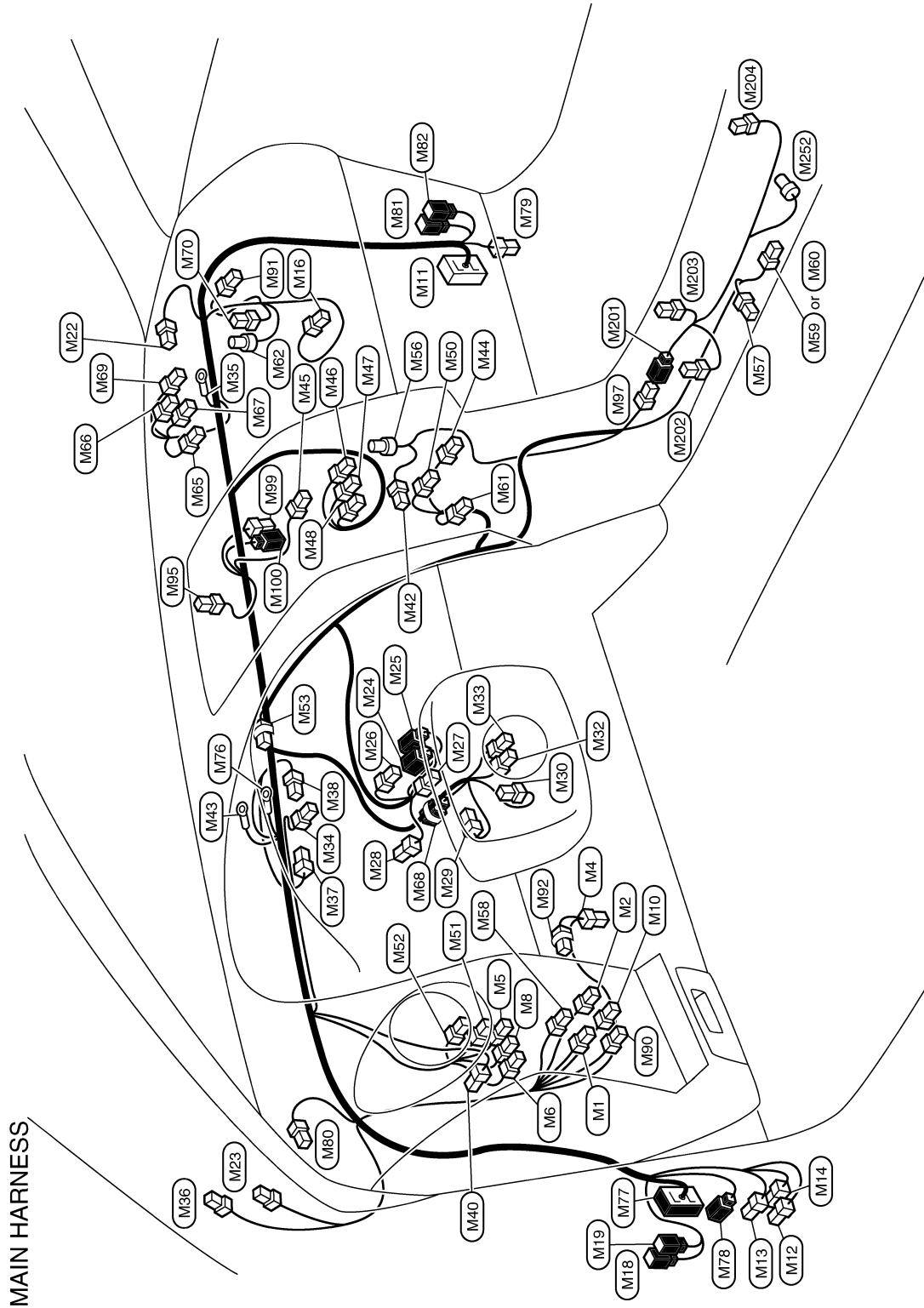
< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Main Harness

INFOID:000000001841391

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Engine Room Harness

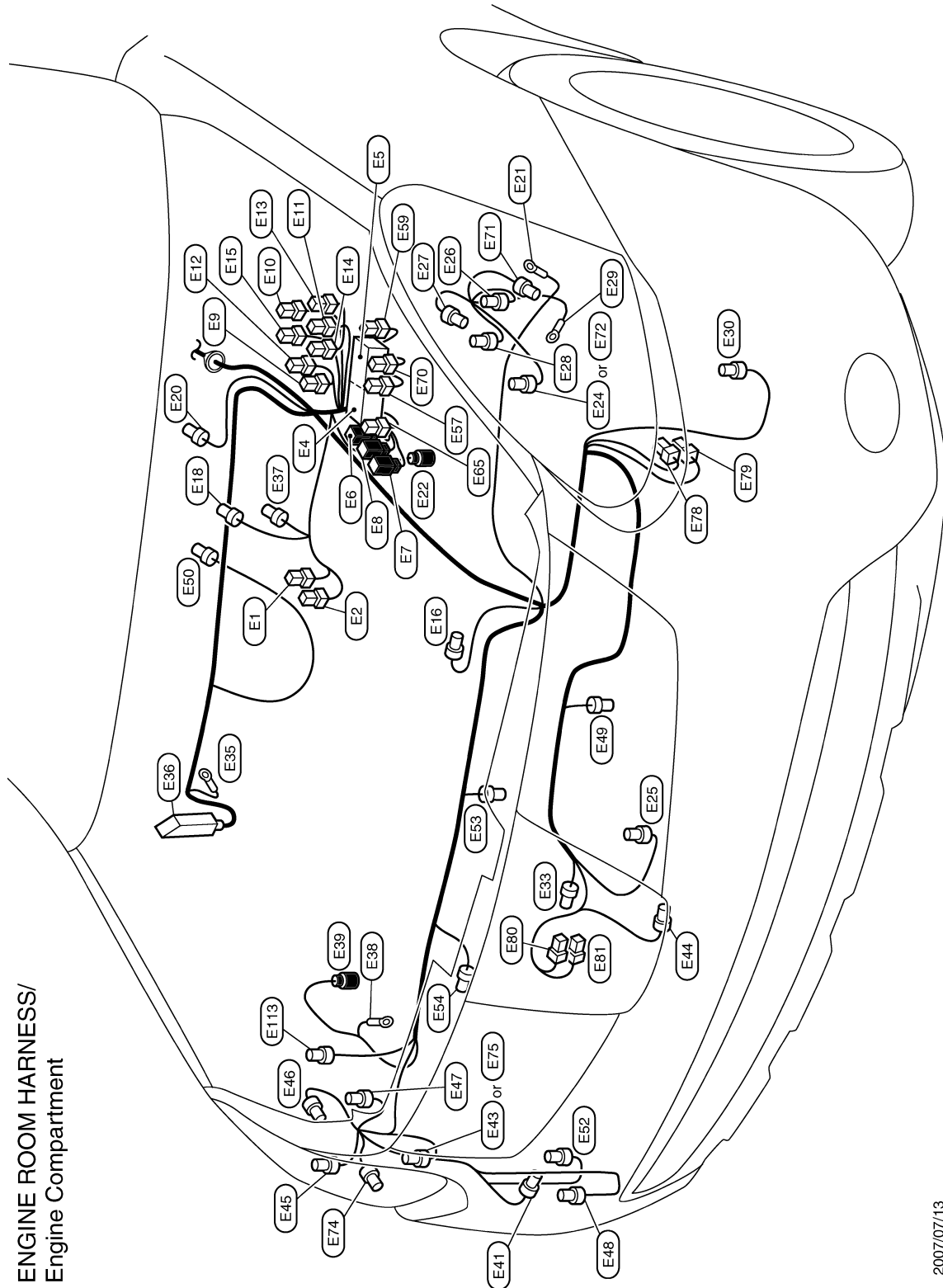
[Click here to view the eWD.](#)

HARNES LAYOUT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

ENGINE COMPARTMENT



ENGINE ROOM HARNESS/
Engine Compartment

2007/07/13

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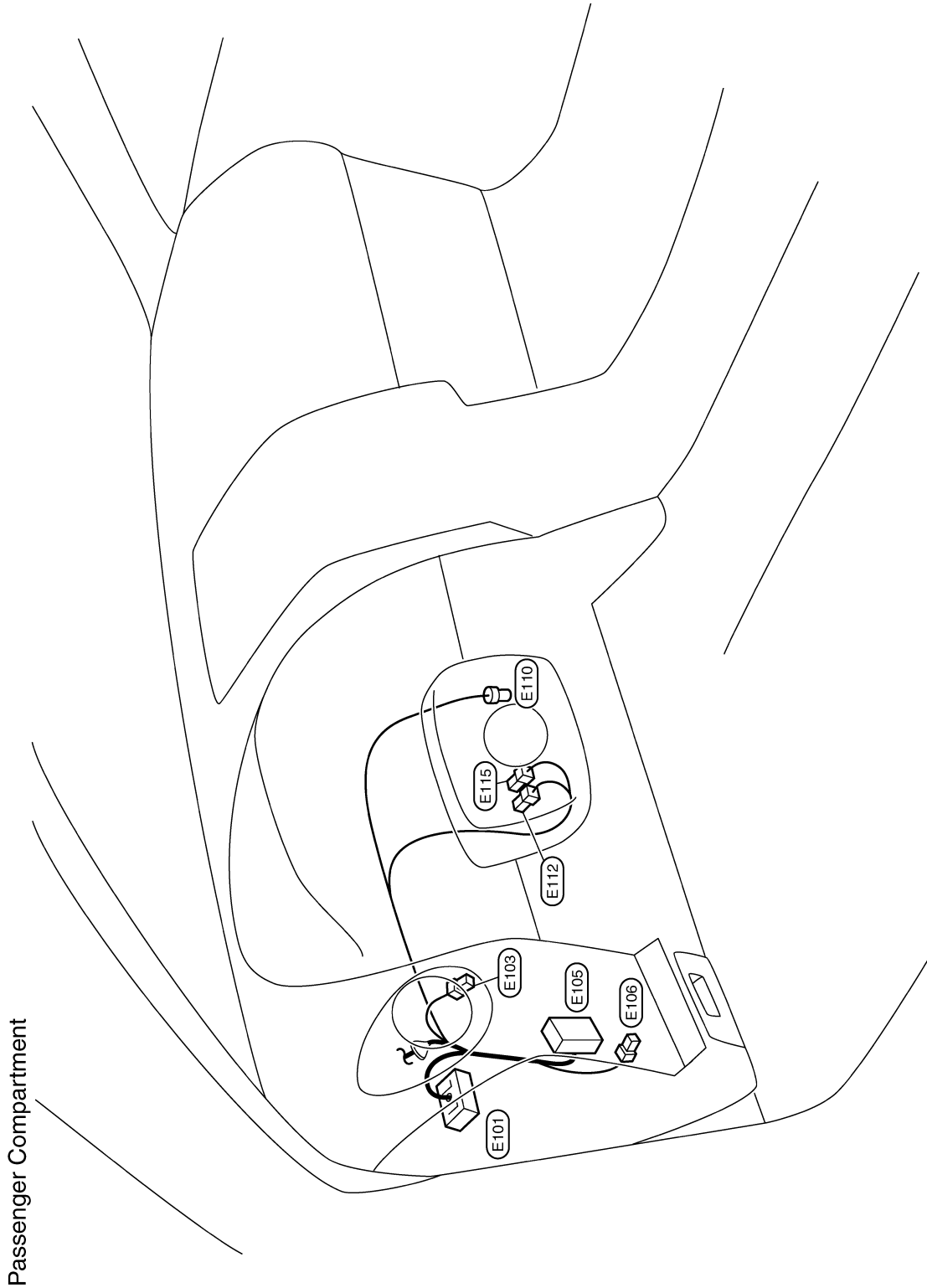
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HARNES LAYOUT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

PASSENGER COMPARTMENT



2007/07/13

JCMIM0213GB

HARNES LAYOUT

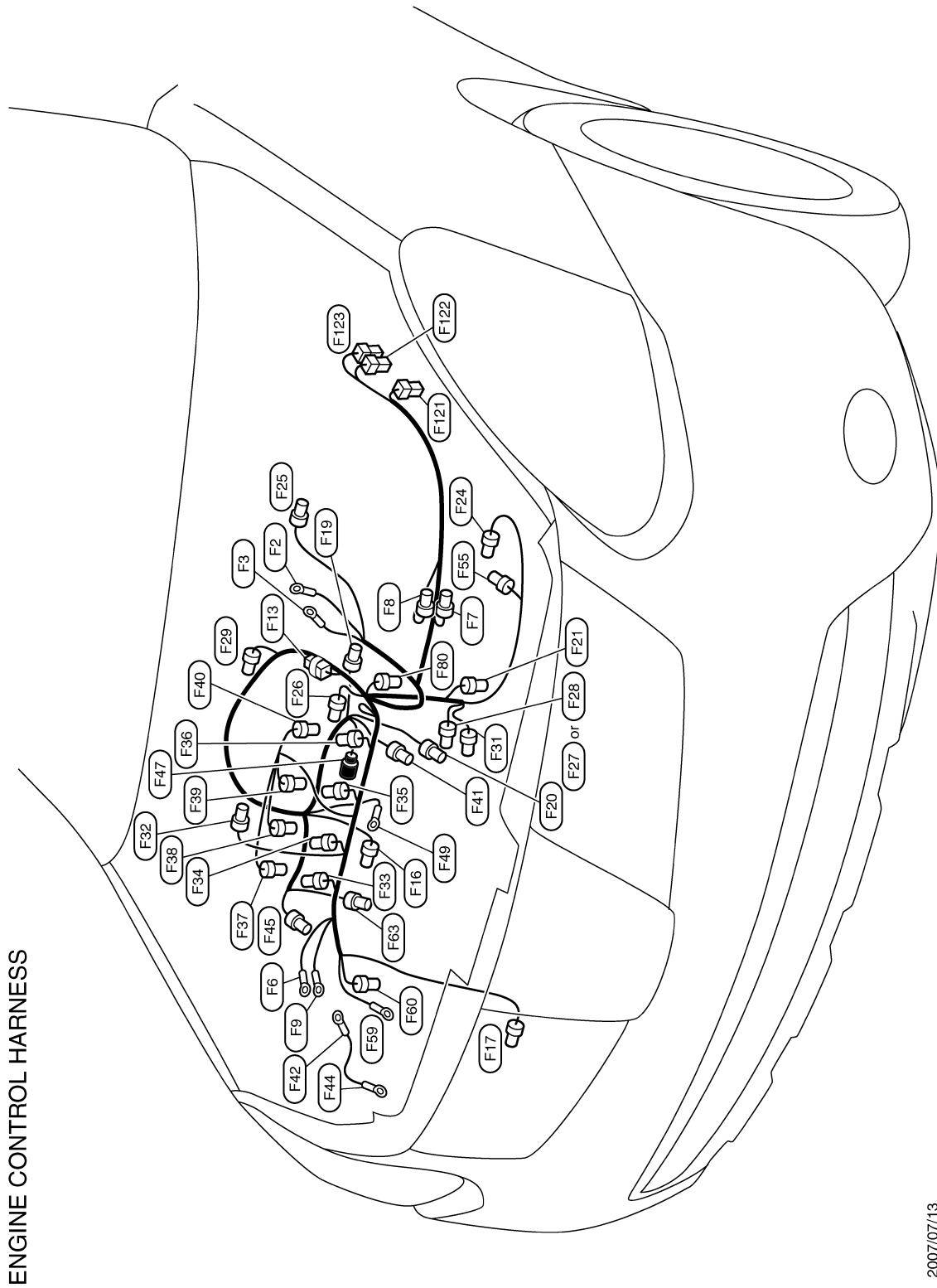
< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

Engine Control Harness

INFOID:000000001893614

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2007/07/13

JCMIM0214GB

HARNES LAYOUT

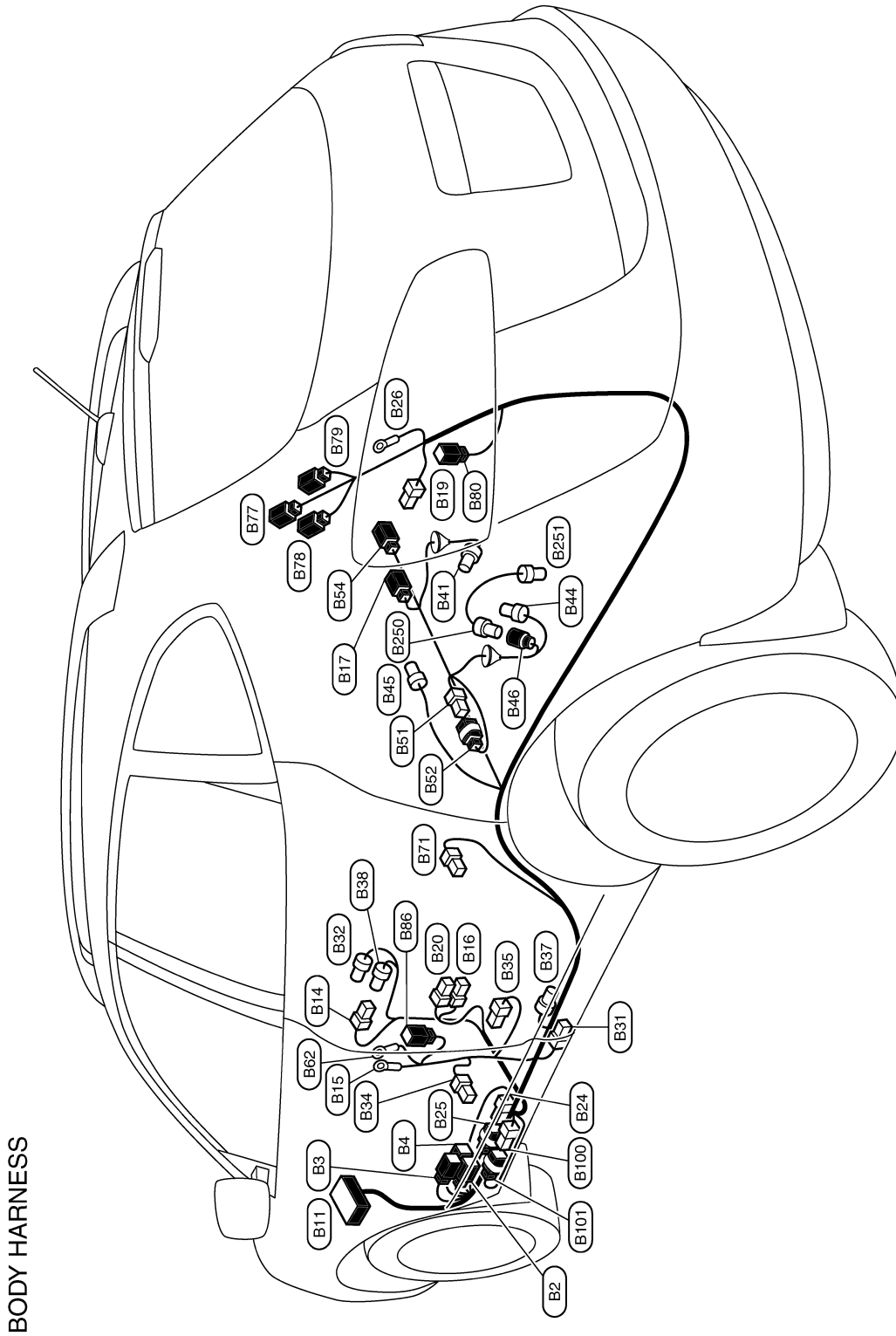
< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

Body Harness

INFOID:000000001841396

[Click here to view the eWD.](#)



BODY HARNESS

2007/07/13

JCMIM0215GB

HARNES LAYOUT

< COMPONENT DIAGNOSIS >

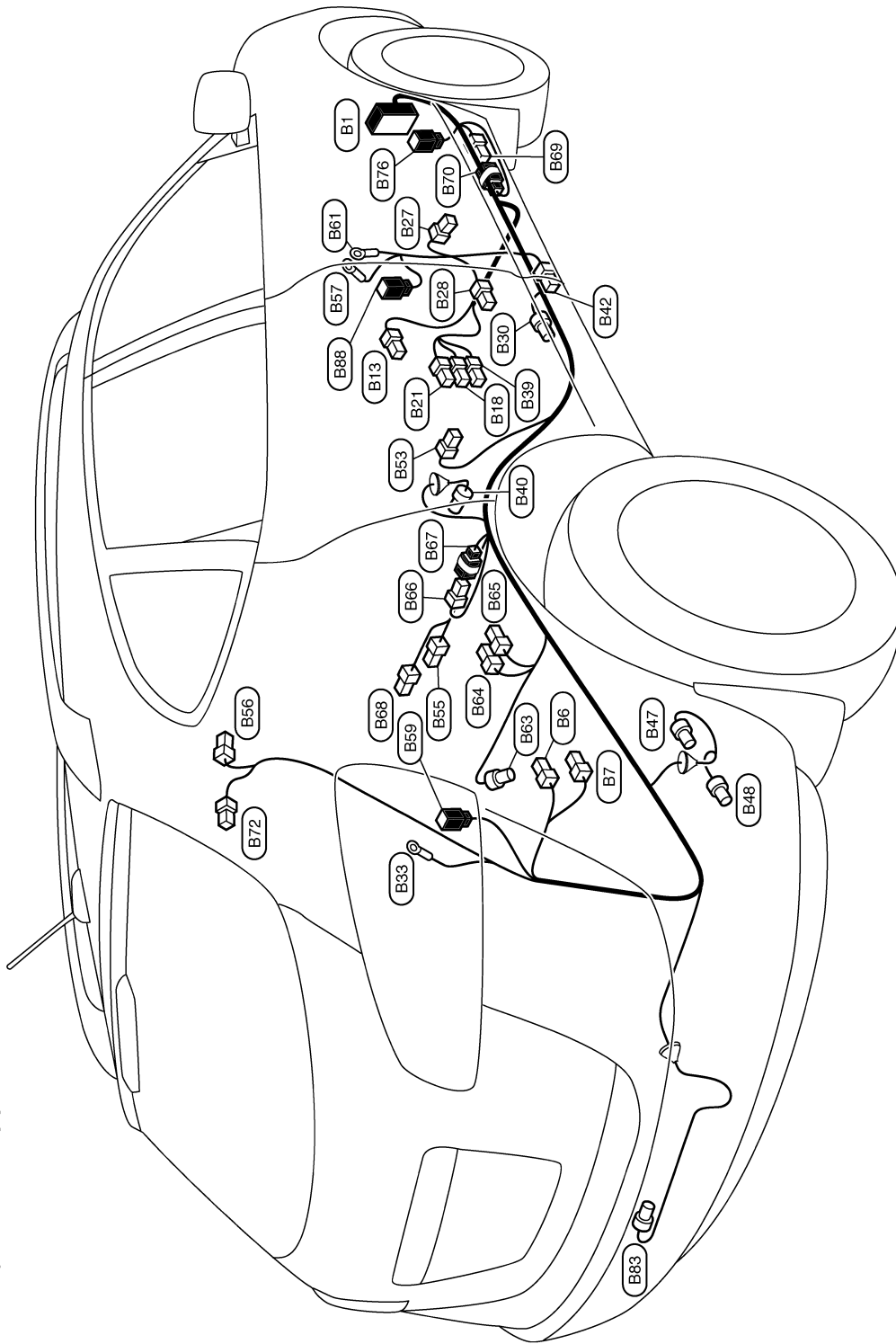
[POWER SUPPLY&GROUND CIRCUIT]

Body No. 2 Harness

INFOID:000000001841397

[Click here to view the eWD.](#)

BODY NO.2 HARNESS



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2007/07/13

JCMIM0216GB

HARNES LAYOUT

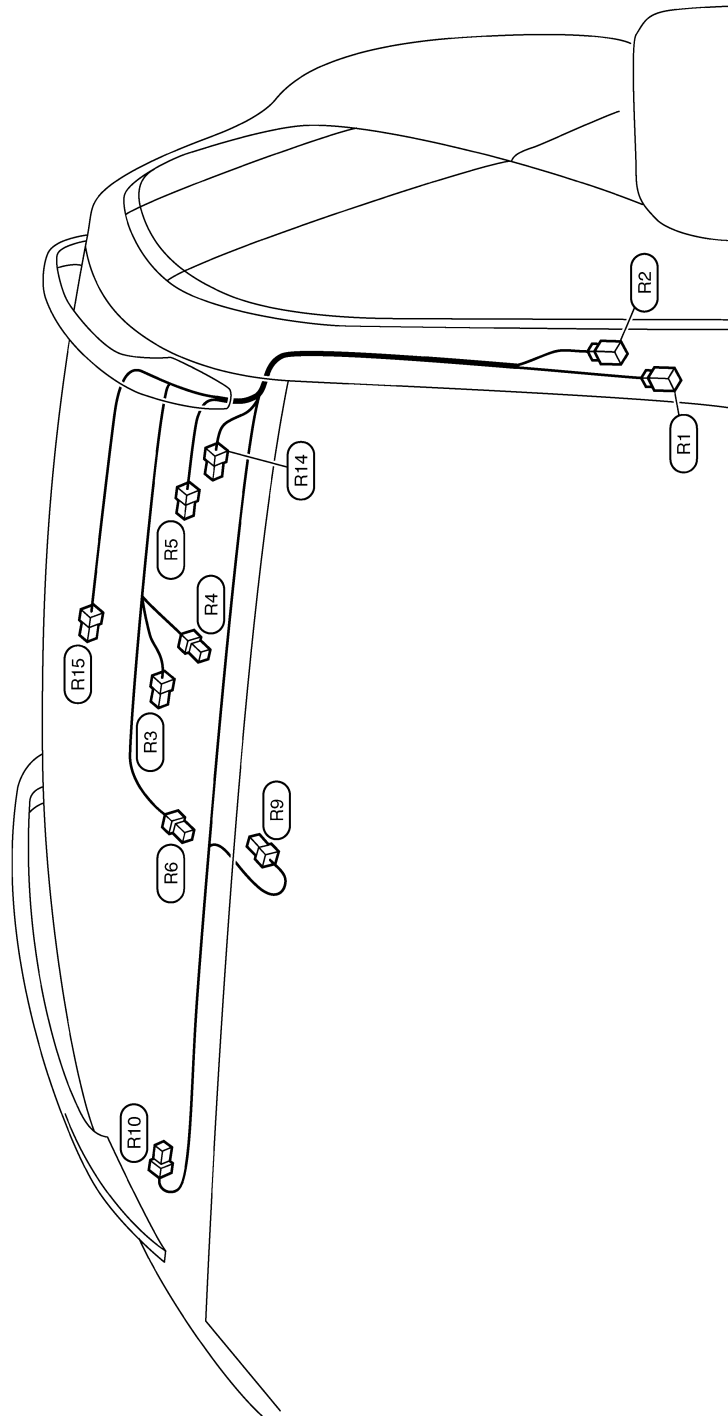
< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

Room Lamp Harness

INFOID:000000001841398

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ROOM LAMP HARNESS

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HARNES LAYOUT

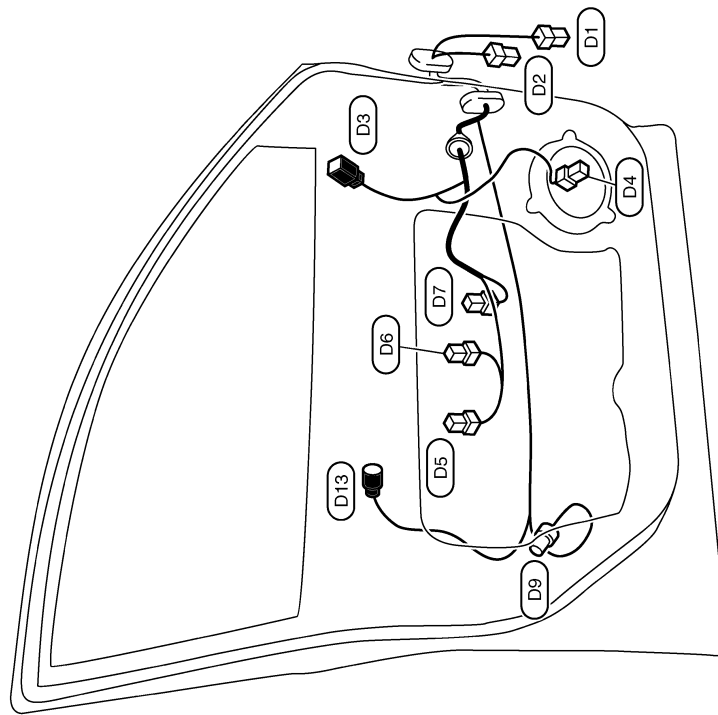
< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

Front Door Harness (LH Side)

INFOID:000000001841399

[Click here to view the eWD.](#)



FRONT DOOR HARNESS (LH SIDE)

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2007/07/13

JCMIM0218GB

HARNESS LAYOUT

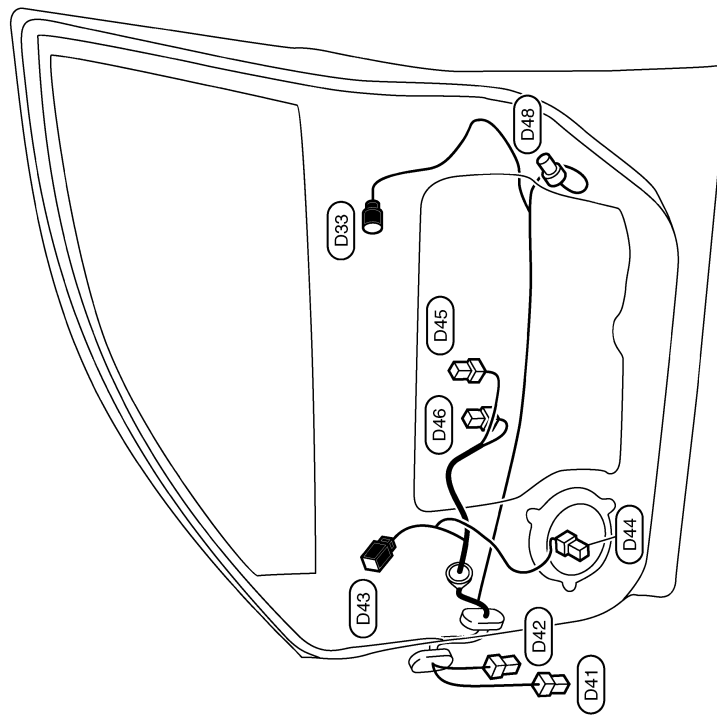
< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

Front Door Harness (RH Side)

INFOID:000000001841400

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FRONT DOOR HARNESS (RH SIDE)

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HARNES LAYOUT

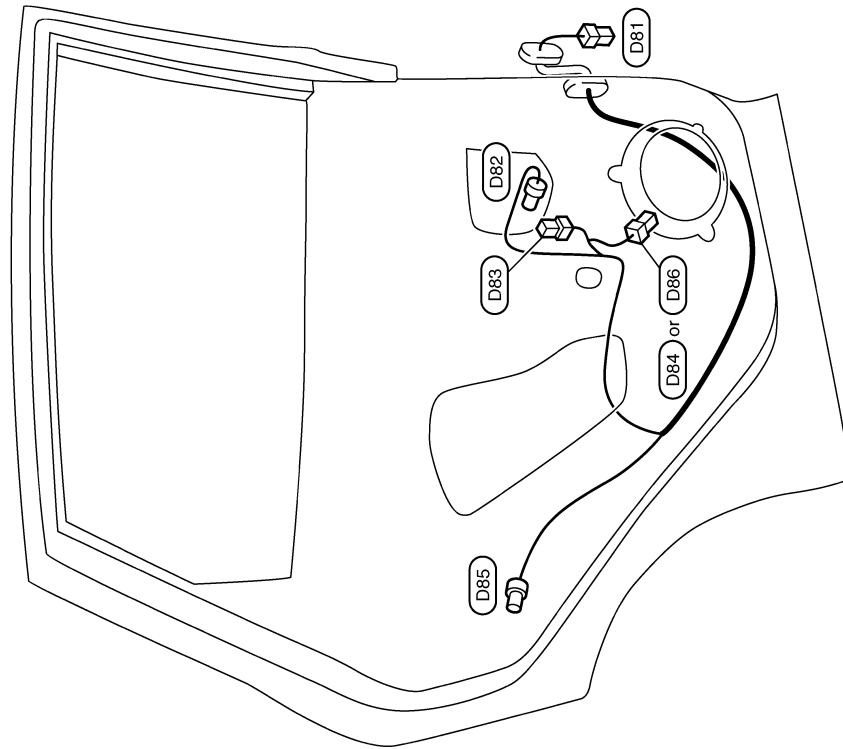
< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

Rear Door Harness (LH Side)

INFOID:000000001841401

[Click here to view the eWD.](#)



REAR DOOR HARNESS (LH SIDE)

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HARNES LAYOUT

< COMPONENT DIAGNOSIS >

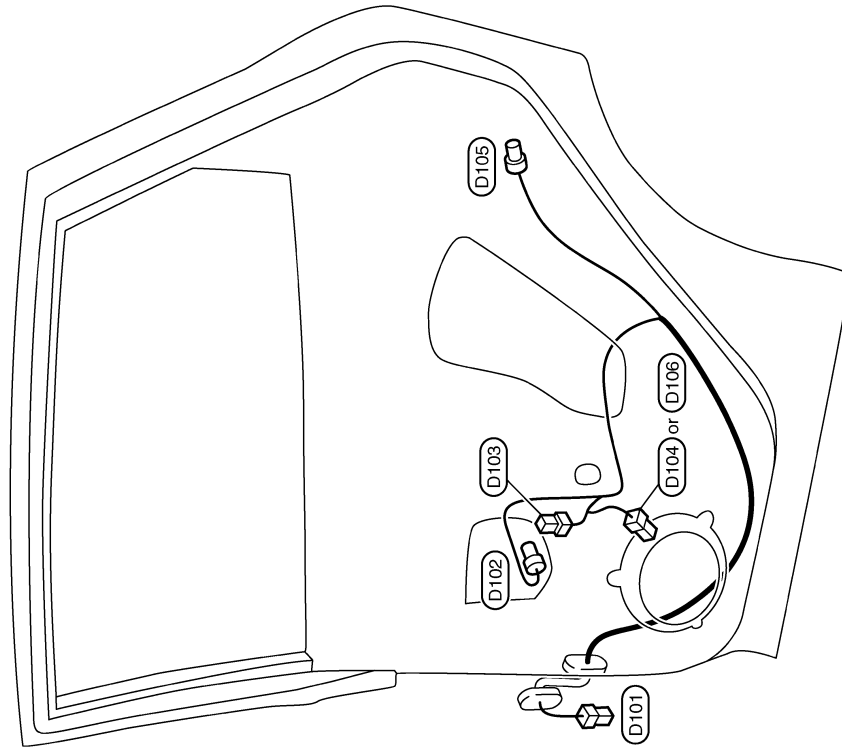
[POWER SUPPLY&GROUND CIRCUIT]

Rear Door Harness (RH Side)

INFOID:000000001841402

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REAR DOOR HARNESS (RH SIDE)



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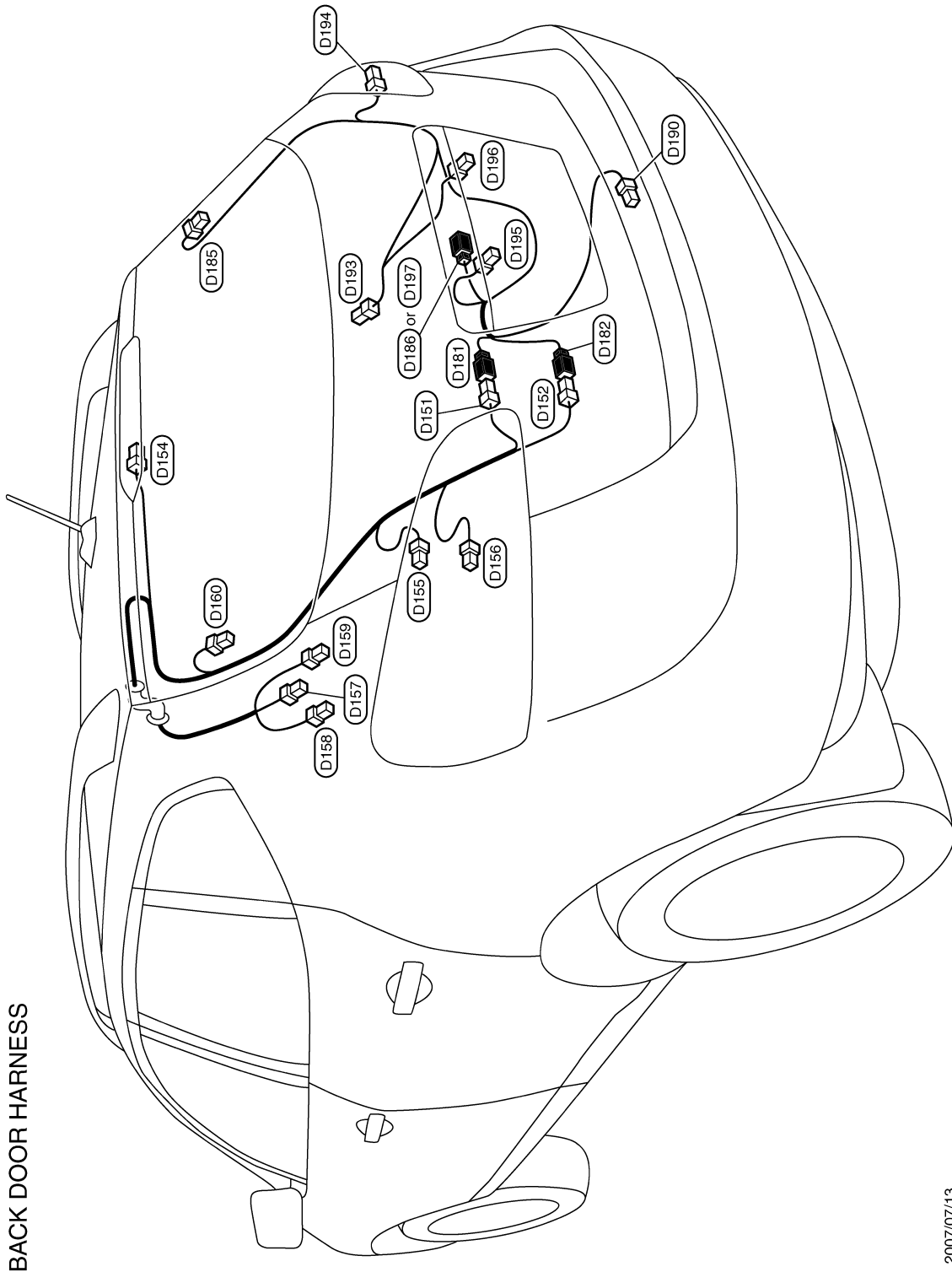
HARNES LAYOUT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

Back Door Harness

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BACK DOOR HARNESS

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JCMIM0222GB

HARNESS CONNECTOR

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

HARNESS CONNECTOR

Description

INFOID:000000001711314

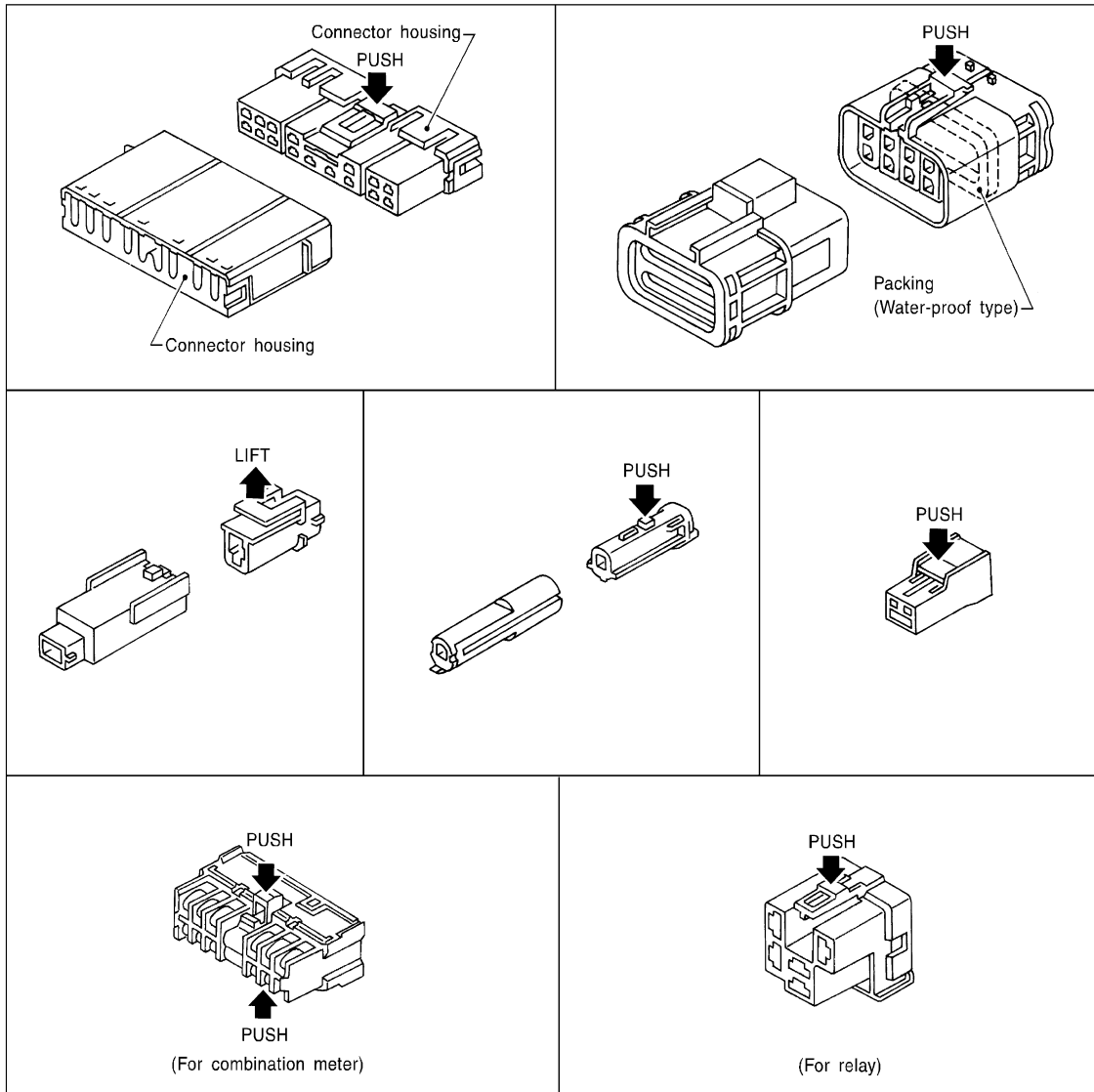
HARNESS CONNECTOR (TAB-LOCKING TYPE)

- The tab-locking type connectors help prevent accidental looseness or disconnection.
- The tab-locking type connectors are disconnected by pushing or lifting the locking tab(s). Refer to the figure below.

CAUTION:

Never pull the harness or wires when disconnecting the connector.

[Example]



SEL769DA

HARNESS CONNECTOR (SLIDE-LOCKING TYPE)

- A new style slide-locking type connector is used on certain systems and components, especially those related to OBD.
- The slide-locking type connectors help prevent incomplete locking and accidental looseness or disconnection.
- The slide-locking type connectors are disconnected by pushing or pulling the slider. Refer to the figure below.

HARNESS CONNECTOR

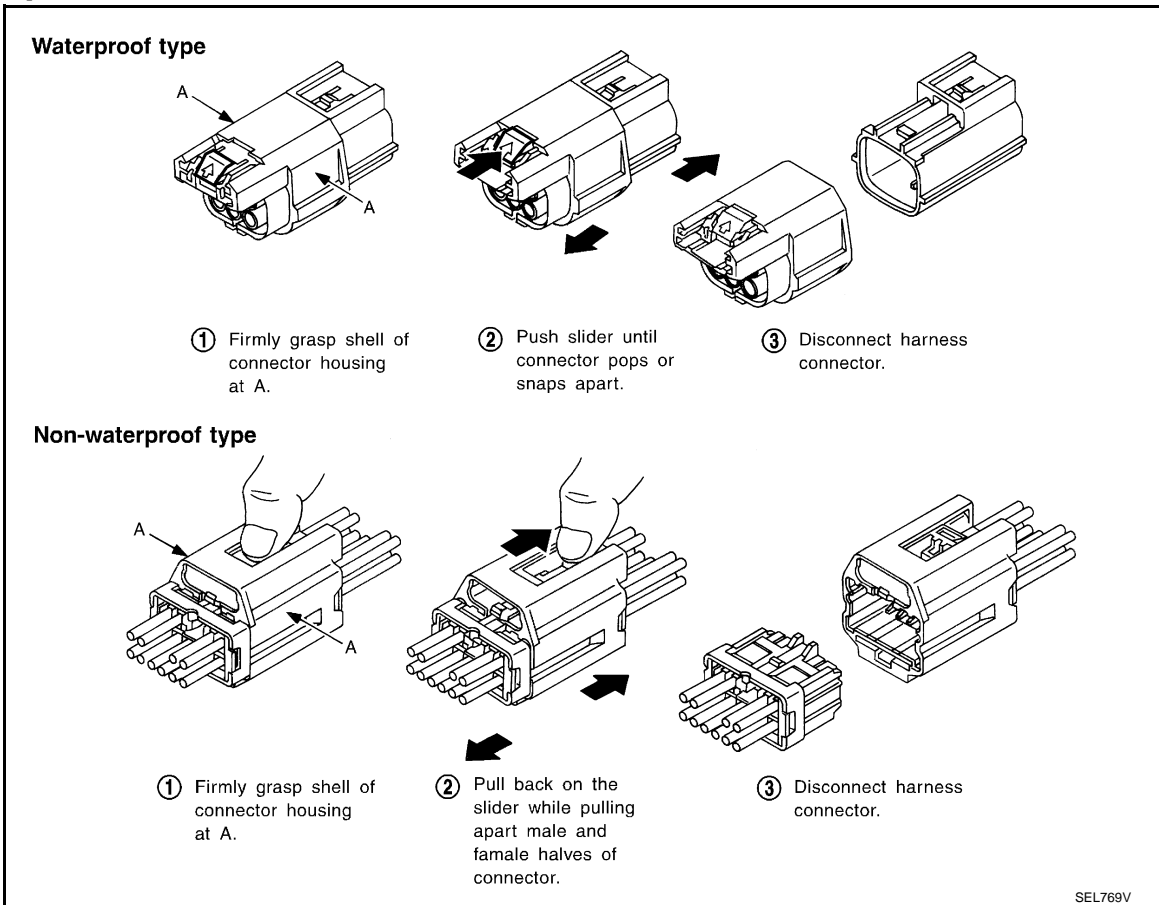
< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

CAUTION:

- Never pull the harness or wires when disconnecting the connector.
- Be careful not to damage the connector support bracket when disconnecting the connector.

[Example]



HARNESS CONNECTOR (LEVER LOCKING TYPE)

- Lever locking type harness connectors are used on certain control units and control modules such as ECM, ABS actuator and electric unit (control unit), etc.
- Lever locking type harness connectors are also used on super multiple junction (SMJ) connectors.
- Always confirm the lever is fully locked in place by moving the lever as far as it will go to ensure full connection.

CAUTION:

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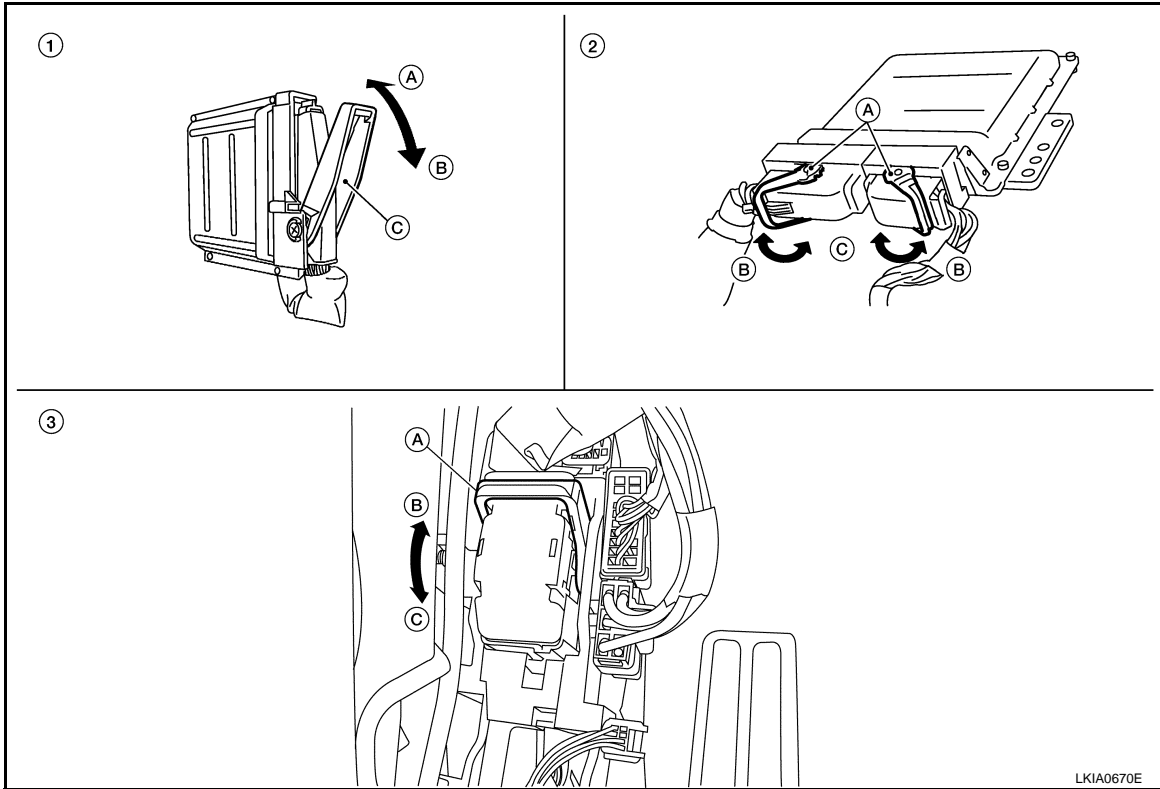
PG

HARNESS CONNECTOR

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

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



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

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

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

STANDARDIZED RELAY

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

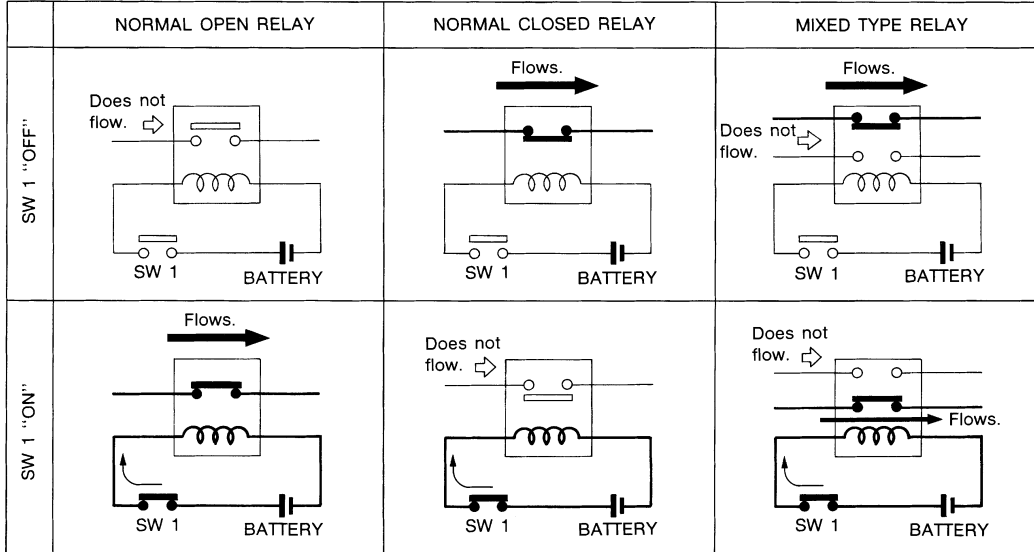
STANDARDIZED RELAY

Description

INFOID:000000001711315

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

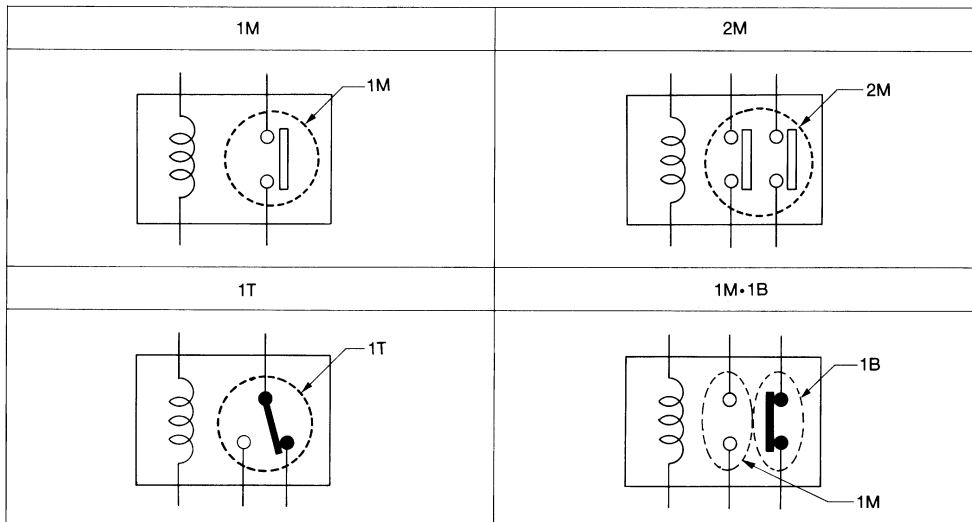
TYPE OF STANDARDIZED RELAYS

1M 1 Make

2M 2 Make

1T 1 Transfer

1M-1B 1 Make 1 Break

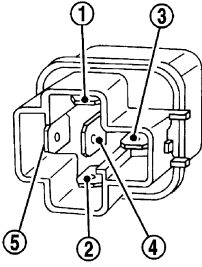
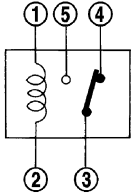
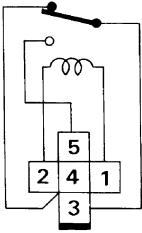
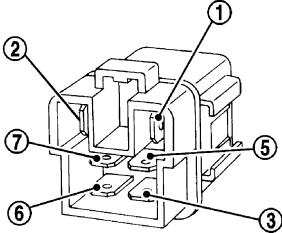
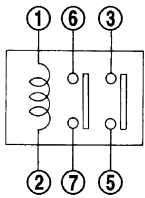
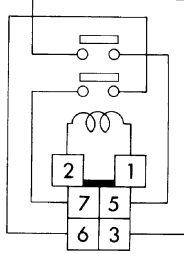
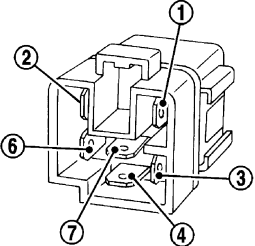
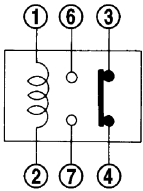
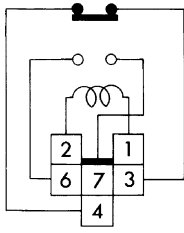
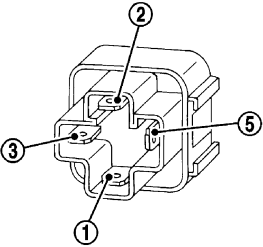
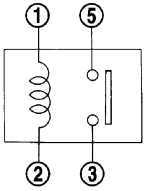
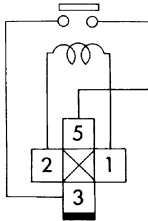
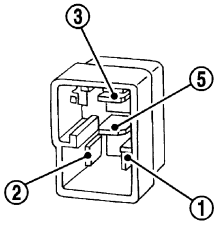
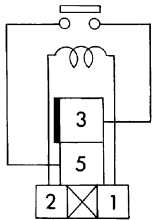


SEL882H

STANDARDIZED RELAY

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

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

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

SEL188W

FUSE BLOCK - JUNCTION BOX (J/B)

< COMPONENT DIAGNOSIS >

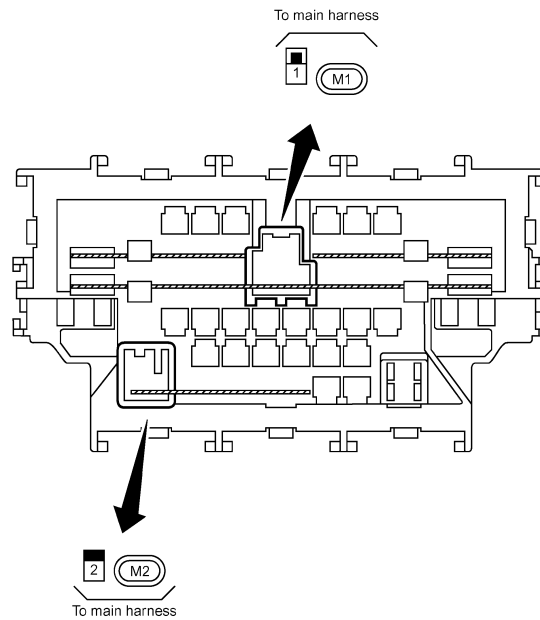
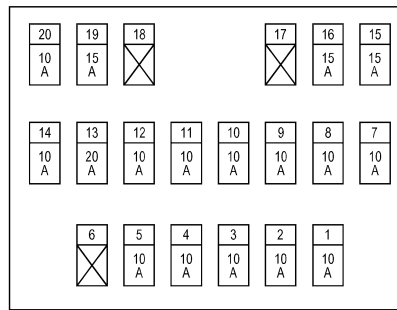
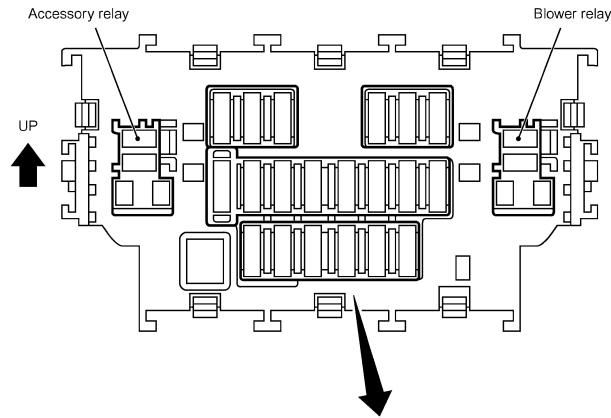
[POWER SUPPLY&GROUND CIRCUIT]

FUSE BLOCK - JUNCTION BOX (J/B)

Fuse, Connector and Terminal Arrangement

INFOID:000000001711316

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2007/07/13

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FUSE, FUSIBLE LINK AND RELAY BOX

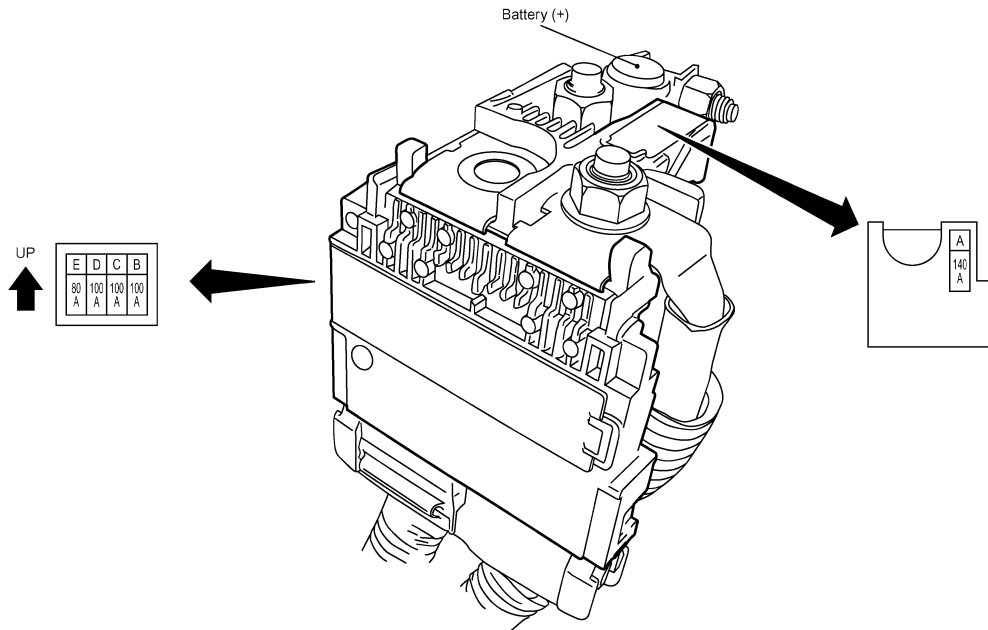
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[POWER SUPPLY&GROUND CIRCUIT]

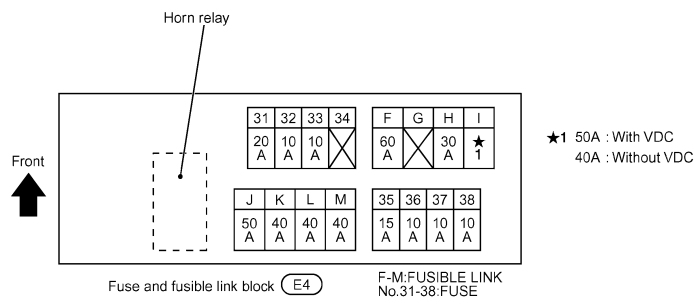
FUSE, FUSIBLE LINK AND RELAY BOX

Fuse and Fusible Link Arrangement

INFOID:000000001711317



Fusible link holder (E1) (E2) (F2) (F3)



2007/07/13

JCMWM1102GI

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

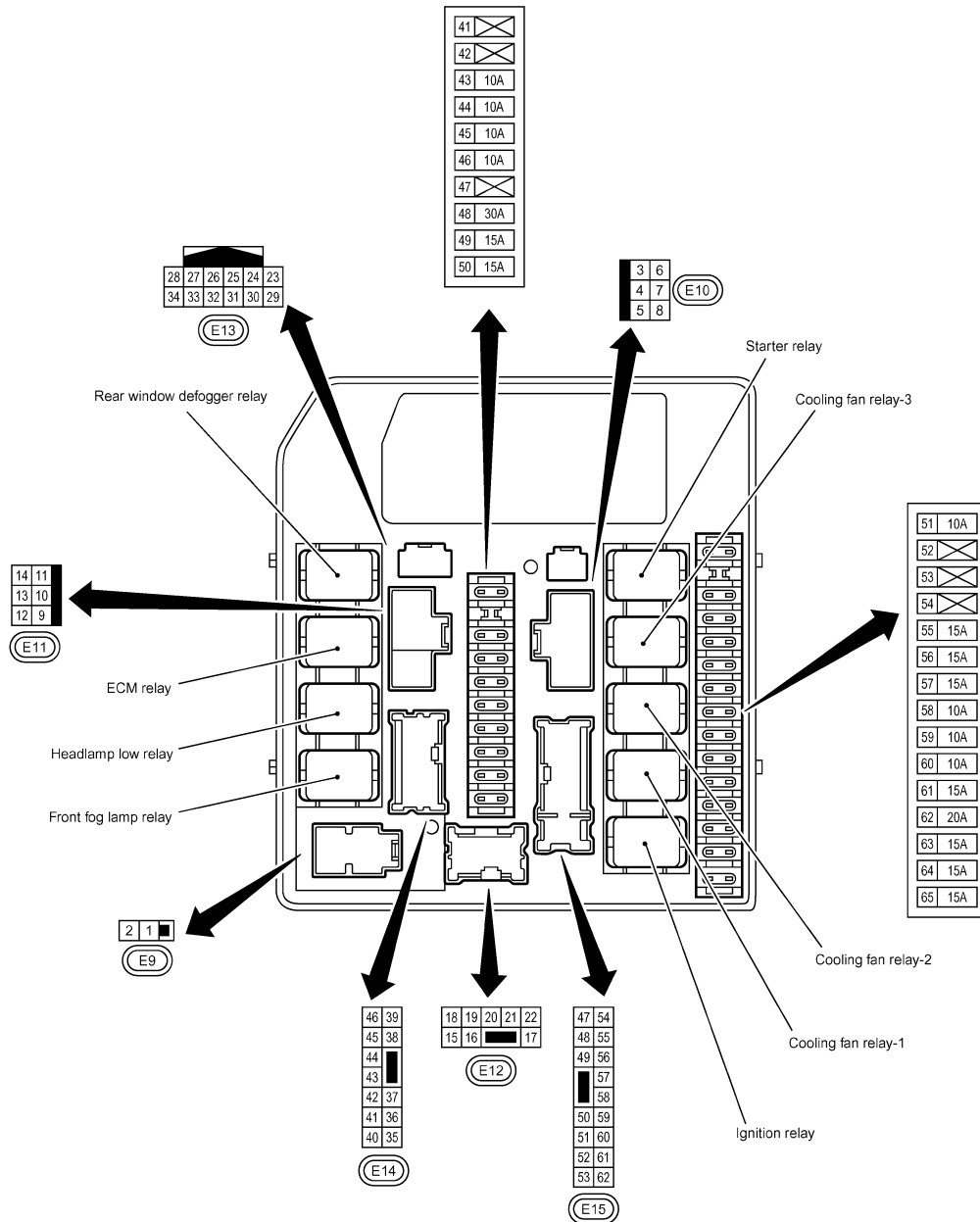
< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

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

Fuse, Connector and Terminal Arrangement

INFOID:000000001711318



To engine room harness

2007/07/13

JCMWM1103GI

< PRECAUTION >

PRECAUTION**PRECAUTIONS****FOR USA AND CANADA****FOR USA AND CANADA : Precaution for Supplemental Restraint System (SRS) "AIR BAG" and "SEAT BELT PRE-TENSIONER"**

INFOID:000000003247565

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 AIRBAG" 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 AIRBAG".**
- **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.**

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

INFOID:000000003247566

The Supplemental Restraint System such as "AIR BAG" and "SEAT BELT PRE-TENSIONER", used along with a front seat belt, helps to reduce the risk or severity of injury to the driver and front passenger for certain types of collision. Information necessary to service the system safely is included in the "SRS AIRBAG" 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 AIRBAG".**
- **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.**

PREPARATION

[POWER SUPPLY&GROUND CIRCUIT]

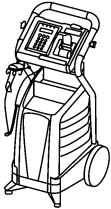
< PREPARATION >

PREPARATION

PREPARATION

Special Service Tools

INFOID:000000001711321

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

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PG

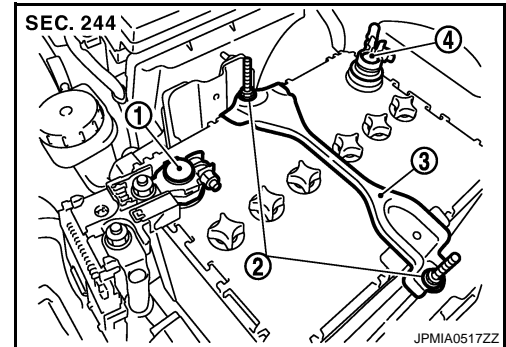
ON-VEHICLE REPAIR

BATTERY

Exploded View

INFOID:000000001711322

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

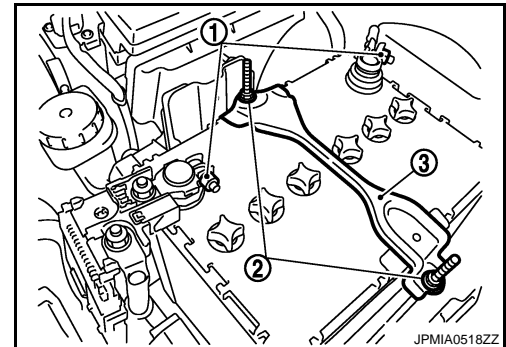


Removal and Installation

INFOID:000000001711323

REMOVAL

1. Remove cover of battery positive terminal.
2. 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.
3. Remove battery fix frame mounting nuts (2) and battery fix frame (3).
4. 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

: 5.4 N·m (0.55 kg·m, 48 in·lb)

Battery terminal nut

: 5.4 N·m (0.55 kg·m, 48 in·lb)

Reset electronic systems as necessary. Refer to [GI-54, "ADDITIONAL SERVICE WHEN REMOVING BATTERY NEGATIVE TERMINAL : Required Procedure After Battery Disconnection"](#).

BATTERY TERMINAL WITH FUSIBLE LINK

< ON-VEHICLE REPAIR >

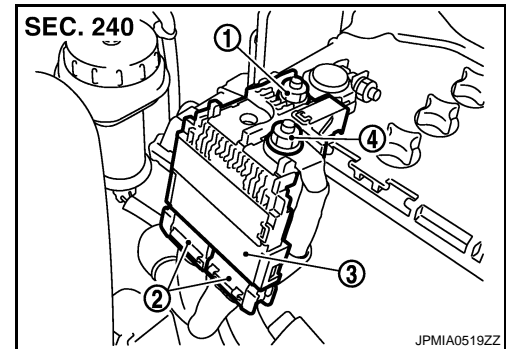
[POWER SUPPLY&GROUND CIRCUIT]

BATTERY TERMINAL WITH FUSIBLE LINK

Exploded View

INFOID:000000001711324

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

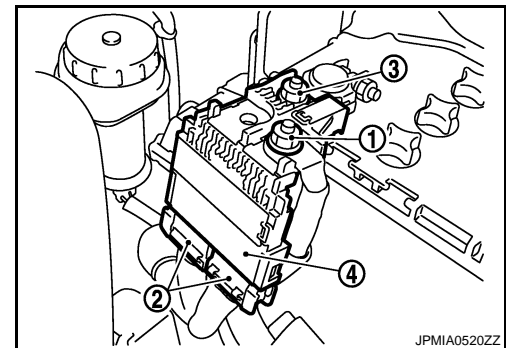


Removal and Installation

INFOID:000000001711325

REMOVAL

1. Disconnect the battery cable from the negative terminal.
2. Remove cover of battery positive terminal.
3. Remove harness mounting nut (1) to disconnect harness connectors (2).
4. Remove fusible link holder mounting nut (3) to remove battery terminal with fusible link (4).



INSTALLATION

Install in the reverse order of removal.

Harness mounting nut

: 13.2 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)

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PG

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:000000001711326

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