

SECTION **PG**

POWER SUPPLY, GROUND & CIRCUIT ELEMENTS

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LHD : Back Door Harness			
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RHD : How To Read Harness Layout			
RHD : Outline			
RHD : Main Harness			
RHD : Engine Room Harness			
RHD : Engine Control Harness			
RHD : Body Harness			
RHD : Room Lamp Harness			
RHD : Front Door Harness			

BASIC INSPECTION

BATTERY

How to Handle Battery

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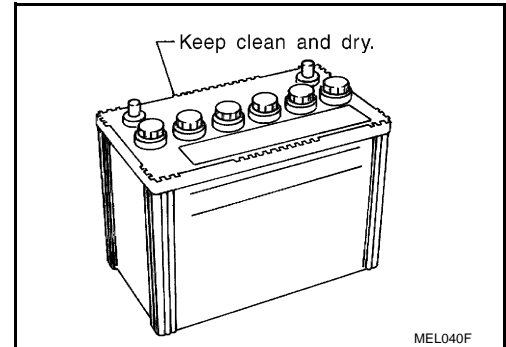
CAUTION:

- 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.

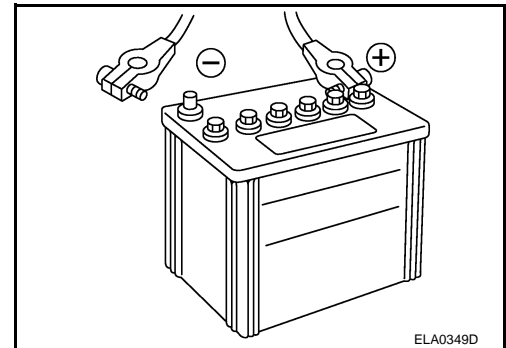
METHODS OF PREVENTING OVER-DISCHARGE

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.)



BATTERY

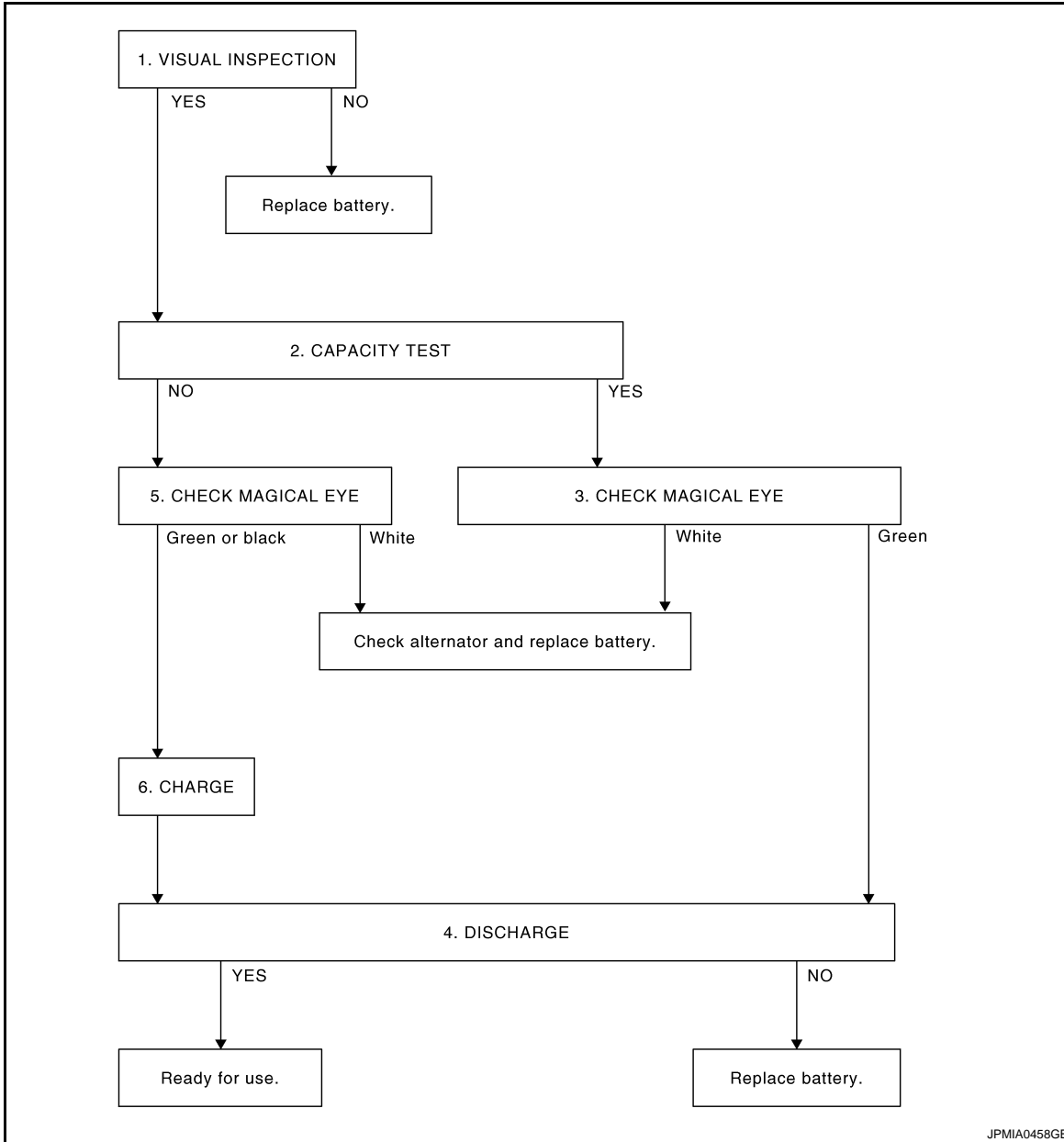
< BASIC INSPECTION >

[POWER SUPPLY & GROUND CIRCUIT]

Work Flow

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OVERALL SEQUENCE



DETAILED FLOW

1. VISUAL INSPECTION

1. Check battery case for cracks or bends.
2. Check battery terminals for damage.

Are these inspection results normal?

- YES >> GO TO 2.
NO >> Replace battery.

2. CAPACITY TEST

Check battery voltage.

Is the voltage 12.35 V or more?

- YES >> GO TO 3.
NO >> GO TO 5.

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BATTERY

< BASIC INSPECTION >

[POWER SUPPLY & GROUND CIRCUIT]

3.CHECK MAGICAL EYE

Check the color of magical eye.

Inspection results

Green >> GO TO 4.

White >> Check alternator and replace battery. Refer to the following.

- K9K models: [CHG-3. "K9K MODELS : Work Flow"](#)
- M9R/HR16DE/MR20DE models: [CHG-5. "M9R/HR16DE/MR20DE MODELS : Work Flow"](#)

4.DISCHARGE

1. Check battery type and determine the specified current using the table.

Type	Current (A)
L1	200
L2	300
L3	300

2. Perform discharge using the load tester.

Is the voltage 10 V or more?

YES >> Ready for use.

NO >> Replace battery.

5.CHECK MAGICAL EYE

Check the color of magical eye.

Inspection results

Green or black>>GO TO 6.

White >> Check alternator and replace battery. Refer to the following.

- K9K models: [CHG-3. "K9K MODELS : Work Flow"](#)
- M9R/HR16DE/MR20DE models: [CHG-5. "M9R/HR16DE/MR20DE MODELS : Work Flow"](#)

6.CHARGE

1. Determine the charge current and charging time according to the battery type.

Type	Current (A)	CHARGING TIME (h)
L1	10	8 - 12
L2	10	8 - 12
L3	10	8 - 12

2. Charge battery.

>> GO TO 4.

POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

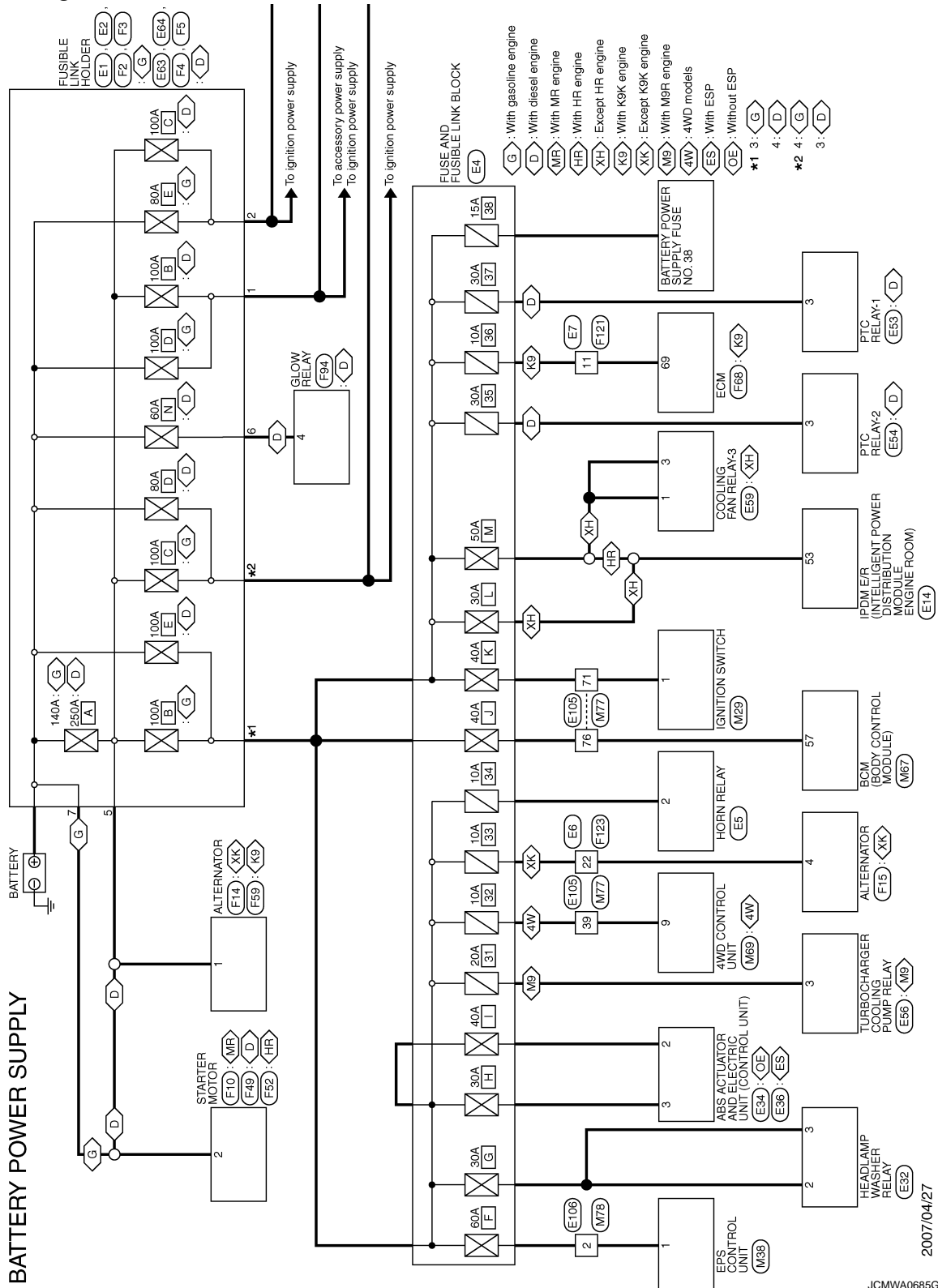
[POWER SUPPLY & GROUND CIRCUIT]

COMPONENT DIAGNOSIS

POWER SUPPLY ROUTING CIRCUIT

Wiring Diagram - BATTERY POWER SUPPLY -

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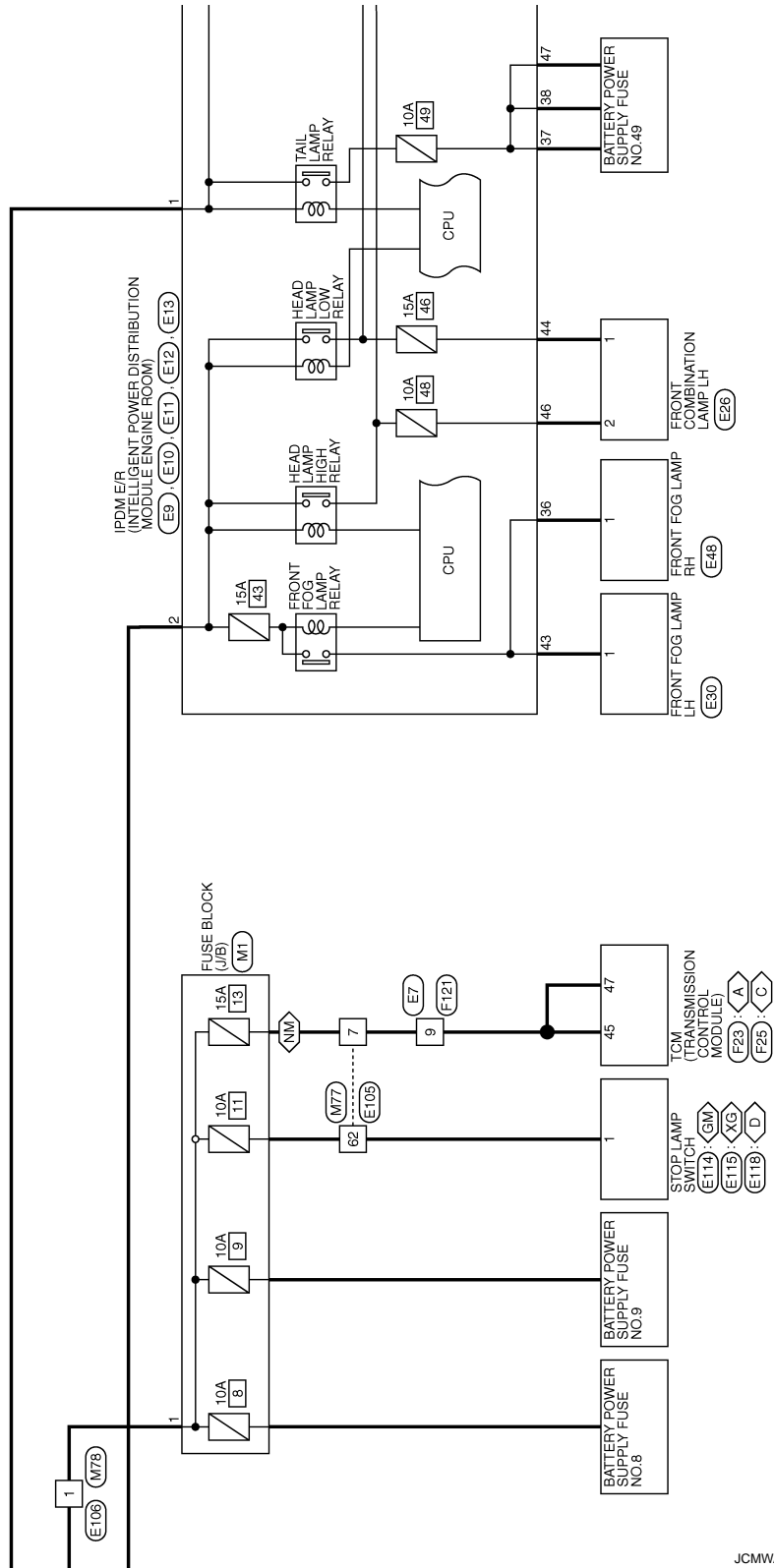
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POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

- D : With diesel engine
- A : With A/T
- C : With CVT
- NM : Except M/T
- GM : Gasoline engine M/T models
- XG : Except gasoline engine M/T models



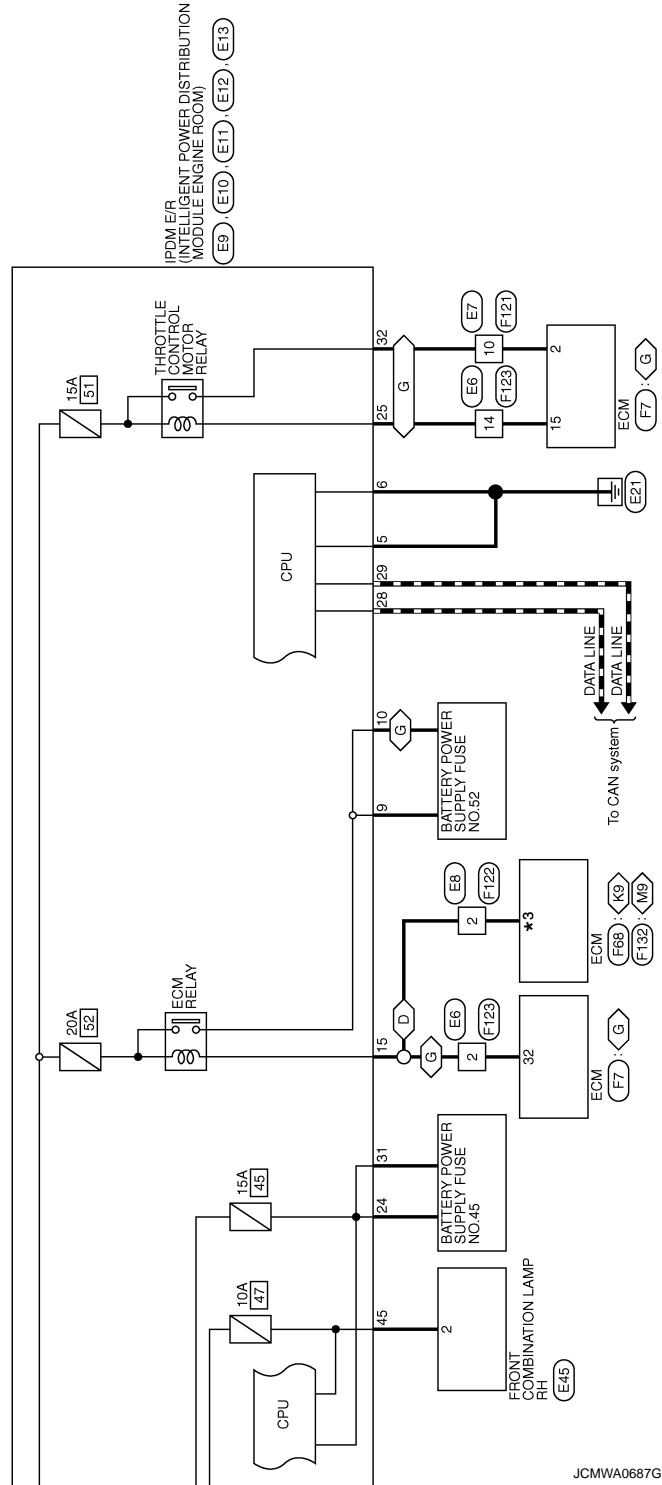
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POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

- G : With gasoline engine
- D : With diesel engine
- K9 : With K9K engine
- M9 : With M9R engine
- *3 60 : K9
- 62 : M9



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POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY

Connector No.	E1
Connector Name	FUSIBLE LINK HOLDER
Connector Type	L0ZFGY-MC



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

Connector No.	E2
Connector Name	FUSIBLE LINK HOLDER
Connector Type	L0ZFER-MC-B



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

Connector No.	E5
Connector Name	HORN RELAY
Connector Type	—



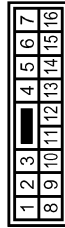
Terminal No.	Color of Wire	Signal Name [Specification]
2	GR/L	—

Connector No.	E6
Connector Name	WIRE TO WIRE
Connector Type	TRK2AMW-TV



Terminal No.	Color of Wire	Signal Name [Specification]
2	Y/L	—
14	G/L	—[Except M5R engine]
22	Y/R	—

Connector No.	E7
Connector Name	WIRE TO WIRE
Connector Type	NS16MW-GS



Terminal No.	Color of Wire	Signal Name [Specification]
9	R/B	—
10	R/Y	—[With gasoline engine]
11	L/B	—[With diesel engine]

Connector No.	E8
Connector Name	WIRE TO WIRE
Connector Type	M02AMW-LC



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

Connector No.	E9
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	L02FB-MC



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

Connector No.	E10
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	M06FB-LC



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

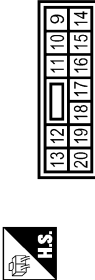
POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

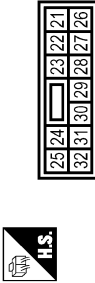
BATTERY POWER SUPPLY

Connector No.	E11
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	NS12FBR-CS



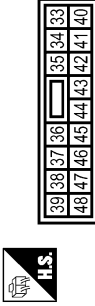
Terminal No.	Color of Wire	Signal Name [Specification]
9	G	-
10	L/R	-
15	Y/L	- [With gasoline engine]
15	B/R	- [With diesel engine]

Connector No.	E12
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	NS12FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
24	R/Y	-
25	G/L	-
28	L	-
29	P	-
31	R	-
32	R/Y	-

Connector No.	E13
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	NS18FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
36	W	-
37	R/W	-
38	R/L	-
43	W/B	-
44	L	-
45	L/W	-
46	G	-
47	R/L	-

Connector No.	E14
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	YZK 7283-5591-40-F



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

Connector No.	E28
Connector Name	FRONT COMBINATION LAMP LH
Connector Type	AMP 933600-1



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

Connector No.	E30
Connector Name	FRONT FOG LAMP LH
Connector Type	FCI 240P0223S4019



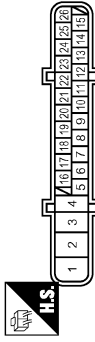
Terminal No.	Color of Wire	Signal Name [Specification]
1	W/B	-

Connector No.	E32
Connector Name	HEADLAMP WASHER RELAY
Connector Type	MS02FL-NZ



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

Connector No.	E34
Connector Name	ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT)
Connector Type	BAA42FB-AHZA-LH



Terminal No.	Color of Wire	Signal Name [Specification]
2	Y	+B(MTR)
3	W/R	+B(SOL)

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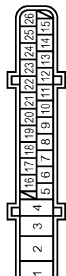
POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]


BATTERY POWER SUPPLY

Connector No.	E38
Connector Name	ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT)
Connector Type	BAA2ZFB-AHZ4-LH




Terminal No.	Color of Wire	Signal Name [Specification]
2	Y	+B(MTR)
3	W/R	+B(SOL)

Connector No.	E45
Connector Name	FRONT COMBINATION LAMP RH
Connector Type	AMP 953800-1




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

Connector No.	E48
Connector Name	FRONT FOG LAMP RH
Connector Type	FCI 240PC023S4019




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

Connector No.	E53
Connector Name	PTC RELAY-1
Connector Type	24347 9F900



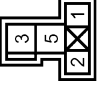
Terminal No.	Color of Wire	Signal Name [Specification]
3	G	

Connector No.	E54
Connector Name	PTC RELAY-2
Connector Type	24347 9F900




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

Connector No.	E56
Connector Name	TURBOCHARGER COOLING PUMP RELAY
Connector Type	MS02EL-N2




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

Connector No.	E59
Connector Name	COOLING FAN RELAY-3
Connector Type	24347 9F900



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

Connector No.	E63
Connector Name	FUSIBLE LINK HOLDER
Connector Type	LJ2FGY-MC



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

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POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

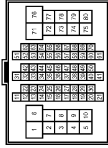
BATTERY POWER SUPPLY

Connector No.	E64
Connector Name	FUSIBLE LINK HOLDER
Connector Type	L02FBR-MC-B



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

Connector No.	E105
Connector Name	WIRE TO WIRE
Connector Type	TH60MW-NS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
7	R/B	
38	G/R	
62	V	
71	L	
76	Y	

Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	L02MB-MC



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

Connector No.	E114
Connector Name	STOP LAMP SWITCH
Connector Type	M02FB



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

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



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

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



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

Connector No.	F2
Connector Name	FUSIBLE LINK HOLDER
Connector Type	24340 19807



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

Connector No.	F3
Connector Name	FUSIBLE LINK HOLDER
Connector Type	24340 19806



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

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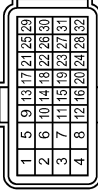







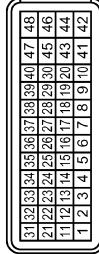

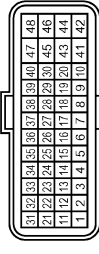
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POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY

<table border="1"> <tr><td>Connector No.</td><td>F4</td></tr> <tr><td>Connector Name</td><td>FUSIBLE LINK HOLDER</td></tr> <tr><td>Connector Type</td><td>24343 51E09</td></tr> </table>  	Connector No.	F4	Connector Name	FUSIBLE LINK HOLDER	Connector Type	24343 51E09	<table border="1"> <tr><td>Terminal No.</td><td>5</td></tr> <tr><td>Color of Wire</td><td>B/Y</td></tr> <tr><td>Signal Name [Specification]</td><td>—</td></tr> </table>	Terminal No.	5	Color of Wire	B/Y	Signal Name [Specification]	—						
Connector No.	F4																		
Connector Name	FUSIBLE LINK HOLDER																		
Connector Type	24343 51E09																		
Terminal No.	5																		
Color of Wire	B/Y																		
Signal Name [Specification]	—																		
<table border="1"> <tr><td>Connector No.</td><td>F5</td></tr> <tr><td>Connector Name</td><td>FUSIBLE LINK HOLDER</td></tr> <tr><td>Connector Type</td><td>L01FB-MC</td></tr> </table>  	Connector No.	F5	Connector Name	FUSIBLE LINK HOLDER	Connector Type	L01FB-MC	<table border="1"> <tr><td>Terminal No.</td><td>6</td></tr> <tr><td>Color of Wire</td><td>W</td></tr> <tr><td>Signal Name [Specification]</td><td>—</td></tr> </table>	Terminal No.	6	Color of Wire	W	Signal Name [Specification]	—						
Connector No.	F5																		
Connector Name	FUSIBLE LINK HOLDER																		
Connector Type	L01FB-MC																		
Terminal No.	6																		
Color of Wire	W																		
Signal Name [Specification]	—																		
<table border="1"> <tr><td>Connector No.</td><td>F7</td></tr> <tr><td>Connector Name</td><td>ECM</td></tr> <tr><td>Connector Type</td><td>MAA2HFGY-MEA3-RH</td></tr> </table>  	Connector No.	F7	Connector Name	ECM	Connector Type	MAA2HFGY-MEA3-RH	<table border="1"> <tr><td>Terminal No.</td><td>32</td></tr> <tr><td>Color of Wire</td><td>Y/L</td></tr> <tr><td>Signal Name [Specification]</td><td>—</td></tr> <tr><td></td><td>VMOT</td></tr> <tr><td></td><td>MDIRLY</td></tr> <tr><td></td><td>SSOFF</td></tr> </table>	Terminal No.	32	Color of Wire	Y/L	Signal Name [Specification]	—		VMOT		MDIRLY		SSOFF
Connector No.	F7																		
Connector Name	ECM																		
Connector Type	MAA2HFGY-MEA3-RH																		
Terminal No.	32																		
Color of Wire	Y/L																		
Signal Name [Specification]	—																		
	VMOT																		
	MDIRLY																		
	SSOFF																		
<table border="1"> <tr><td>Connector No.</td><td>F10</td></tr> <tr><td>Connector Name</td><td>STARTER MOTOR</td></tr> <tr><td>Connector Type</td><td>—</td></tr> </table>  	Connector No.	F10	Connector Name	STARTER MOTOR	Connector Type	—	<table border="1"> <tr><td>Terminal No.</td><td>2</td></tr> <tr><td>Color of Wire</td><td>B/Y</td></tr> <tr><td>Signal Name [Specification]</td><td>—</td></tr> </table>	Terminal No.	2	Color of Wire	B/Y	Signal Name [Specification]	—						
Connector No.	F10																		
Connector Name	STARTER MOTOR																		
Connector Type	—																		
Terminal No.	2																		
Color of Wire	B/Y																		
Signal Name [Specification]	—																		
<table border="1"> <tr><td>Connector No.</td><td>F14</td></tr> <tr><td>Connector Name</td><td>ALTERNATOR</td></tr> <tr><td>Connector Type</td><td>—</td></tr> </table>  	Connector No.	F14	Connector Name	ALTERNATOR	Connector Type	—	<table border="1"> <tr><td>Terminal No.</td><td>1</td></tr> <tr><td>Color of Wire</td><td>B/Y</td></tr> <tr><td>Signal Name [Specification]</td><td>B</td></tr> </table>	Terminal No.	1	Color of Wire	B/Y	Signal Name [Specification]	B						
Connector No.	F14																		
Connector Name	ALTERNATOR																		
Connector Type	—																		
Terminal No.	1																		
Color of Wire	B/Y																		
Signal Name [Specification]	B																		
<table border="1"> <tr><td>Connector No.</td><td>F15</td></tr> <tr><td>Connector Name</td><td>ALTERNATOR</td></tr> <tr><td>Connector Type</td><td>HS03FB</td></tr> </table>  	Connector No.	F15	Connector Name	ALTERNATOR	Connector Type	HS03FB	<table border="1"> <tr><td>Terminal No.</td><td>4</td></tr> <tr><td>Color of Wire</td><td>Y/R</td></tr> <tr><td>Signal Name [Specification]</td><td>S</td></tr> </table>	Terminal No.	4	Color of Wire	Y/R	Signal Name [Specification]	S						
Connector No.	F15																		
Connector Name	ALTERNATOR																		
Connector Type	HS03FB																		
Terminal No.	4																		
Color of Wire	Y/R																		
Signal Name [Specification]	S																		
<table border="1"> <tr><td>Connector No.</td><td>F23</td></tr> <tr><td>Connector Name</td><td>TCM (TRANSMISSION CONTROL MODULE)</td></tr> <tr><td>Connector Type</td><td>MOLEX-500894-4111</td></tr> </table>  	Connector No.	F23	Connector Name	TCM (TRANSMISSION CONTROL MODULE)	Connector Type	MOLEX-500894-4111	<table border="1"> <tr><td>Terminal No.</td><td>47</td></tr> <tr><td>Color of Wire</td><td>R/B</td></tr> <tr><td>Signal Name [Specification]</td><td>VBATT</td></tr> <tr><td></td><td>VBATT</td></tr> </table>	Terminal No.	47	Color of Wire	R/B	Signal Name [Specification]	VBATT		VBATT				
Connector No.	F23																		
Connector Name	TCM (TRANSMISSION CONTROL MODULE)																		
Connector Type	MOLEX-500894-4111																		
Terminal No.	47																		
Color of Wire	R/B																		
Signal Name [Specification]	VBATT																		
	VBATT																		
<table border="1"> <tr><td>Connector No.</td><td>F25</td></tr> <tr><td>Connector Name</td><td>TCM (TRANSMISSION CONTROL MODULE)</td></tr> <tr><td>Connector Type</td><td>MOLEX-500894-4111</td></tr> </table>  	Connector No.	F25	Connector Name	TCM (TRANSMISSION CONTROL MODULE)	Connector Type	MOLEX-500894-4111	<table border="1"> <tr><td>Terminal No.</td><td>47</td></tr> <tr><td>Color of Wire</td><td>R/B</td></tr> <tr><td>Signal Name [Specification]</td><td>BATT</td></tr> <tr><td></td><td>BATT</td></tr> </table>	Terminal No.	47	Color of Wire	R/B	Signal Name [Specification]	BATT		BATT				
Connector No.	F25																		
Connector Name	TCM (TRANSMISSION CONTROL MODULE)																		
Connector Type	MOLEX-500894-4111																		
Terminal No.	47																		
Color of Wire	R/B																		
Signal Name [Specification]	BATT																		
	BATT																		

JCMWA0692G1

POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< COMPONENT DIAGNOSIS >

BATTERY POWER SUPPLY

Connector No.	F48
Connector Name	STARTER MOTOR
Connector Type	-



Terminal No.	2	Color of Wire	B/Y	Signal Name [Specification]	-
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Connector No.	F52
Connector Name	STARTER MOTOR
Connector Type	-



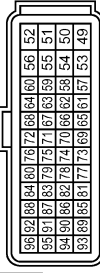
Terminal No.	2	Color of Wire	B/Y	Signal Name [Specification]	-
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Connector No.	F39
Connector Name	ALTERNATOR
Connector Type	-



Terminal No.	1	Color of Wire	B/Y	Signal Name [Specification]	B
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Connector No.	F88
Connector Name	ECM
Connector Type	MAA40FBR-MEA8-LH



Terminal No.	80	Color of Wire	B/R	Signal Name [Specification]	CU RELAY DRIVE
Terminal No.	89	Color of Wire	L/B	Signal Name [Specification]	V6D (DIRECTV BATT)

Connector No.	F34
Connector Name	GLOW RELAY
Connector Type	FCI 240P-C08S0015



Terminal No.	4	Color of Wire	W	Signal Name [Specification]	+BATT
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Connector No.	F121
Connector Name	WIRE TO WIRE
Connector Type	NS18FW-GS



Terminal No.	9	Color of Wire	R/B	Signal Name [Specification]	-
Terminal No.	10	Color of Wire	R/Y	Signal Name [Specification]	- [With gasoline engine]
Terminal No.	11	Color of Wire	L/B	Signal Name [Specification]	- [With diesel engine]

Connector No.	F122
Connector Name	WIRE TO WIRE
Connector Type	M02FW-LC



Terminal No.	2	Color of Wire	B/R	Signal Name [Specification]	-
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Connector No.	F123
Connector Name	WIRE TO WIRE
Connector Type	TK24FW-TV



Terminal No.	2	Color of Wire	Y/L	Signal Name [Specification]	-
Terminal No.	14	Color of Wire	G/L	Signal Name [Specification]	- [Except M8T engine]
Terminal No.	22	Color of Wire	Y/R	Signal Name [Specification]	-

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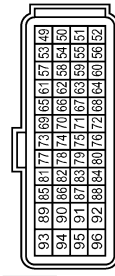
POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]


BATTERY POWER SUPPLY

Connector No.	F132
Connector Name	ECM
Connector Type	MAA4CFBR-MEA8-RH




Terminal No.	Color of Wire	Signal Name [Specification]
32	B/R	MAIN RLY

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




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

Connector No.	M29
Connector Name	IGNITION SWITCH
Connector Type	M06FW-LC




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

Connector No.	M38
Connector Name	EPS CONTROL UNIT
Connector Type	TYCO CF-1544857-I



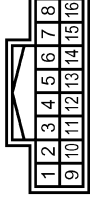
Terminal No.	Color of Wire	Signal Name [Specification]
1	W	BAT

Connector No.	M67
Connector Name	BOM (BODY CONTROL MODULE)
Connector Type	FCI 21PC083S0017




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

Connector No.	M69
Connector Name	4WD CONTROL UNIT
Connector Type	TH18FW




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

Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	TH88FW-NS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
7	R/B	
39	G	
62	V	
71	L	
76	Y	

Connector No.	M78
Connector Name	WIRE TO WIRE
Connector Type	LJ2FB-MC



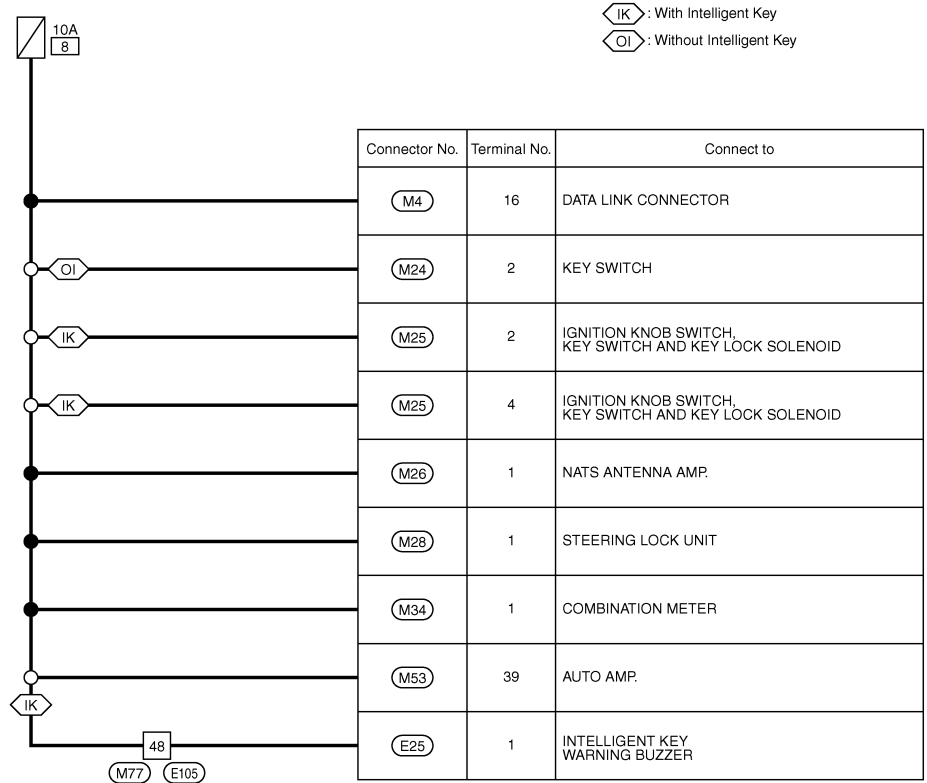
Terminal No.	Color of Wire	Signal Name [Specification]
1	W	
2	W	

POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE NO.8



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POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

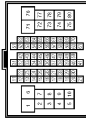
BATTERY POWER SUPPLY FUSE NO.8

Connector No.	E25
Connector Name	INTELLIGENT KEY WARNING BUZZER
Connector Type	RKQ3FBF-DGY



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

Connector No.	E105
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-NS18-TM4



Terminal No.	48	Y	—
Color of Wire	Y	—	—
Signal Name [Specification]			

Connector No.	M4
Connector Name	DATA LINK CONNECTOR
Connector Type	BD18FW



Terminal No.	18	Y	—
Color of Wire	Y	—	—
Signal Name [Specification]			

Connector No.	M24
Connector Name	KEY SWITCH
Connector Type	A02AMW



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

Connector No.	M25
Connector Name	IGNITION KNOB SWITCH, KEY SWITCH AND KEY LOCK SOLENOID
Connector Type	TK98MGY



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

Connector No.	M26
Connector Name	NAVY ANTENNA AMP.
Connector Type	TH04FW



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

Connector No.	M28
Connector Name	STEERING LOCK UNIT
Connector Type	TK03FW



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

Connector No.	M34
Connector Name	COMBINATION METER
Connector Type	SA840FW



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

POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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BATTERY POWER SUPPLY FUSE NO.8

Connector No.	M53
Connector Name	AUTO AMP.
Connector Type	SAB40FW



Terminal No.	38	Color of Wire	Y	Signal Name [Specification]	BAT
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Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	TH160FW-NS16-TM4



Terminal No.	48	Color of Wire	Y	Signal Name [Specification]	-
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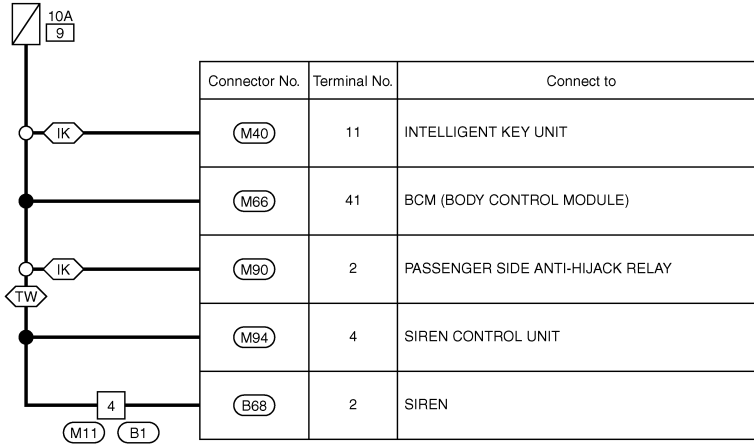
POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE NO.9

 : With Intelligent Key
 : With theft warning system



2006/12/08

JCMWA0443GE

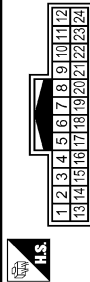
POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< COMPONENT DIAGNOSIS >

BATTERY POWER SUPPLY FUSE NO.9

Connector No.	B1
Connector Name	WIRE TO WIRE
Connector Type	TH24MW



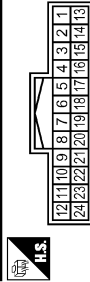
Terminal No.	4	Color of Wire	V	Signal Name [Specification]	-
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Connector No.	B5B
Connector Name	SIREN
Connector Type	RH03FB



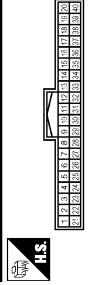
Terminal No.	2	Color of Wire	V	Signal Name [Specification]	B+
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Connector No.	M11
Connector Name	WIRE TO WIRE
Connector Type	TH24FW



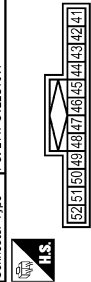
Terminal No.	4	Color of Wire	R	Signal Name [Specification]	-
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Connector No.	M4D
Connector Name	INTELLIGENT KEY UNIT
Connector Type	TH40FW



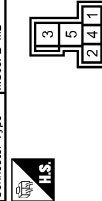
Terminal No.	11	Color of Wire	V	Signal Name [Specification]	BATT+
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Connector No.	M8B
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	FCI 211PC122S1017



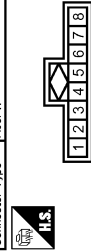
Terminal No.	41	Color of Wire	V	Signal Name [Specification]	BAT(FUSE)
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Connector No.	M90
Connector Name	PASSENGER SIDE ANTI-HIJACK RELAY
Connector Type	MS03FB-M2



Terminal No.	2	Color of Wire	V	Signal Name [Specification]	-
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Connector No.	M94
Connector Name	SIREN CONTROL UNIT
Connector Type	JA08FW



Terminal No.	4	Color of Wire	R	Signal Name [Specification]	B+
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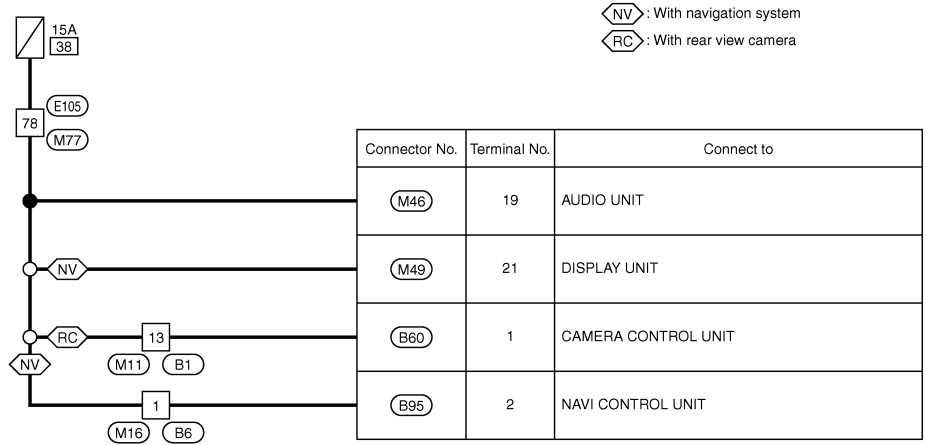
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POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE NO.38



2006/12/08

JCMWA0445Gf

POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE NO.38

Connector No.	B1
Connector Name	WIRE TO WIRE
Connector Type	TH24MW



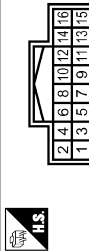
Terminal No.	13	Color of Wire	LG	Signal Name (Specification)	-
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Connector No.	B6
Connector Name	WIRE TO WIRE
Connector Type	TH12MW



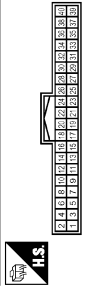
Terminal No.	1	Color of Wire	LG	Signal Name (Specification)	-
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Connector No.	B8D
Connector Name	CAMERA CONTROL UNIT
Connector Type	TH18FW



Terminal No.	1	Color of Wire	LG	Signal Name (Specification)	BATTERY
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Connector No.	B95
Connector Name	NAVY CONTROL UNIT
Connector Type	TH40FW



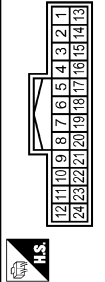
Terminal No.	2	Color of Wire	LG	Signal Name (Specification)	BATTERY
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Connector No.	E105
Connector Name	WIRE TO WIRE
Connector Type	TH60MW-NS1.6-TM4



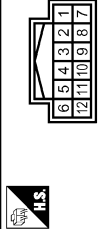
Terminal No.	78	Color of Wire	LG	Signal Name (Specification)	-
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Connector No.	M11
Connector Name	WIRE TO WIRE
Connector Type	TH24FW



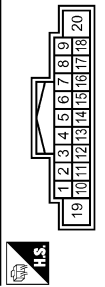
Terminal No.	13	Color of Wire	LG	Signal Name (Specification)	-
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Connector No.	M16
Connector Name	WIRE TO WIRE
Connector Type	TH12FW



Terminal No.	1	Color of Wire	LG	Signal Name (Specification)	-
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Connector No.	M46
Connector Name	AUDIO UNIT
Connector Type	TH18FW-CS2



Terminal No.	19	Color of Wire	LG	Signal Name (Specification)	BATTERY
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JCMWA0446GE

POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

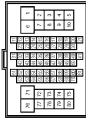
BATTERY POWER SUPPLY FUSE NO.38

Connector No.	M48
Connector Name	DISPLAY UNIT
Connector Type	TH24FW



Terminal No.	Color of Wire	Signal Name (Specification)
21	LG	BATTERY

Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-NS16-TM4



Terminal No.	Color of Wire	Signal Name (Specification)
78	LG	-

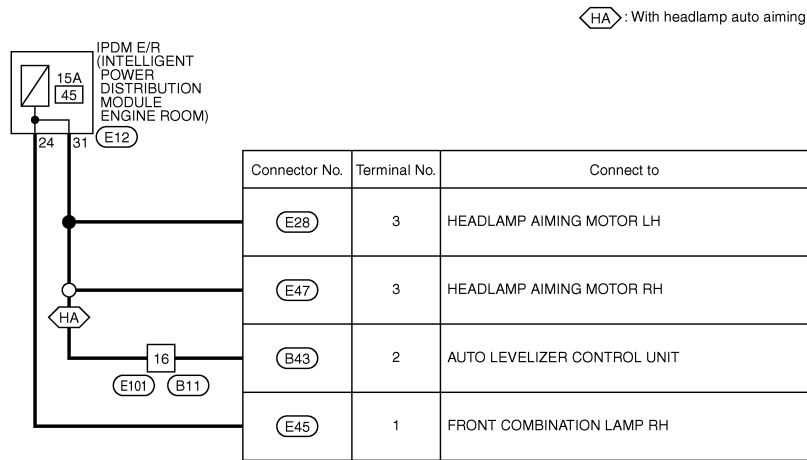
JCMWA0447GE

POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE NO.45



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2006/12/08

JCMWA0448GE

POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< COMPONENT DIAGNOSIS >

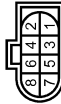
BATTERY POWER SUPPLY FUSE NO.45

Connector No.	B11
Connector Name	WIRE TO WIRE
Connector Type	TK10MW-NS8



Terminal No.	16	R	Signal Name [Specification]
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Connector No.	B43
Connector Name	AUTO LEVELIZER CONTROL UNIT
Connector Type	AMP 1394416-1



Terminal No.	2	R	Signal Name [Specification]	USUP
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Connector No.	E12
Connector Name	IPDM E/R INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	INS12FW-CS



Terminal No.	24	R/Y	Signal Name [Specification]
31	R		

Connector No.	E28
Connector Name	HEADLAMP AIMING MOTOR LH
Connector Type	FC121PC033S0003



Terminal No.	3	R	Signal Name [Specification]
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Connector No.	E43
Connector Name	FRONT COMBINATION LAMP RH
Connector Type	AMP 963600-1



Terminal No.	1	R/Y	Signal Name [Specification]
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Connector No.	E47
Connector Name	HEADLAMP AIMING MOTOR RH
Connector Type	FC121PC033S0003



Terminal No.	3	R	Signal Name [Specification]
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Connector No.	E101
Connector Name	WIRE TO WIRE
Connector Type	TK10FW-NS8



Terminal No.	16	R	Signal Name [Specification]
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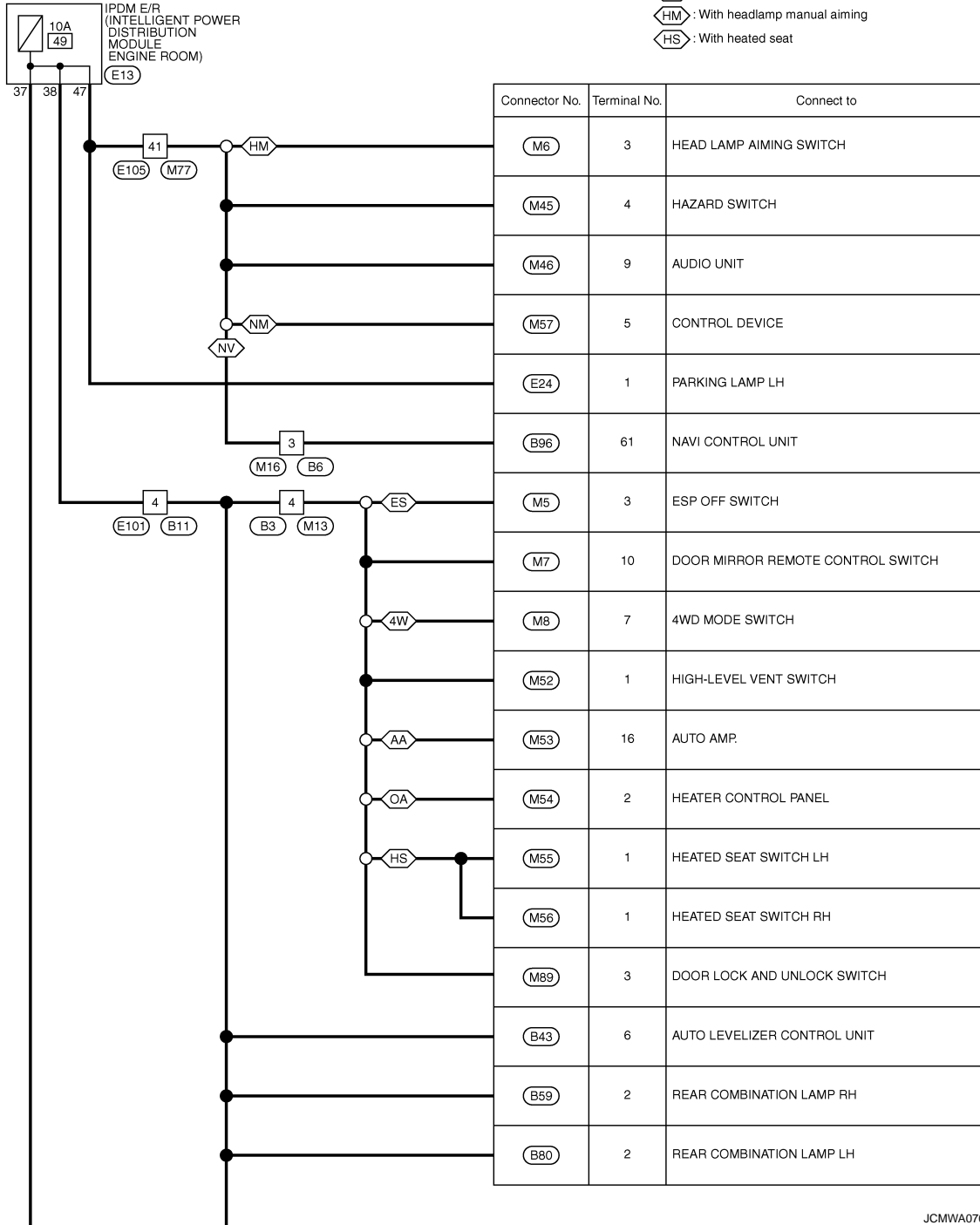
POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE NO.49

- (NM) : Except M/T
- (4W) : 4WD models
- (ES) : With ESP
- (NV) : With navigation system
- (AA) : With auto A/C
- (OA) : Without auto A/C
- (HM) : With headlamp manual aiming
- (HS) : With heated seat



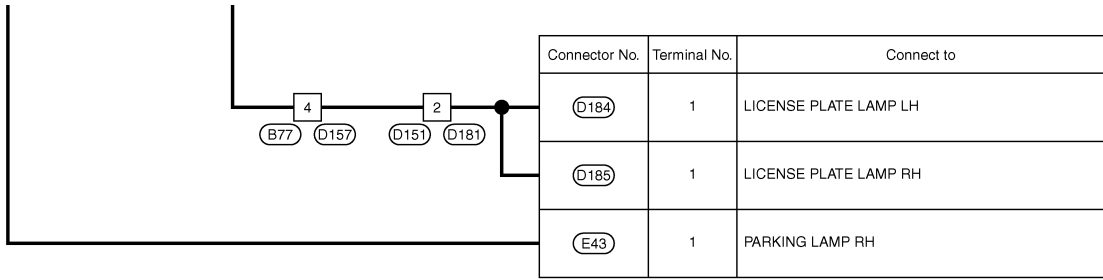
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POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]



2007/04/27




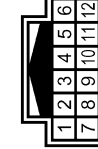



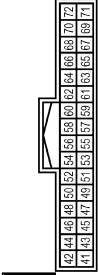



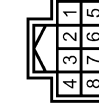

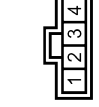

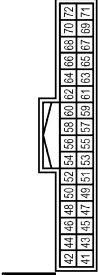
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POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE NO.49

Connector No.	B3	Connector No.	B8	Connector No.	B43	Connector No.	B86
Connector Name	WIRE TO WIRE	Connector Name	WIRE TO WIRE	Connector Name	AUTO LEVELER CONTROL UNIT	Connector Name	NAVY CONTROL UNIT
Connector Type	TH24MW	Connector Type	TH12MW	Connector Type	AMP 1394416-1	Connector Type	TH32FW
							
Terminal No.	4	Terminal No.	3	Terminal No.	6	Terminal No.	61
Color of Wire	-	Color of Wire	-	Color of Wire	-	Color of Wire	-
R/L	-	R/L	-	R/L	A/D	R/L	-
Signal Name [Specification]	-	Signal Name [Specification]	-	Signal Name [Specification]	-	Signal Name [Specification]	ILLUMINATION
Connector No.	B59	Connector No.	B77	Connector No.	B80	Connector No.	B96
Connector Name	REAR COMBINATION LAMP RH	Connector Name	WIRE TO WIRE	Connector Name	REAR COMBINATION LAMP LH	Connector Name	NAVY CONTROL UNIT
Connector Type	FCI 211PQ042S4021	Connector Type	TH08FW	Connector Type	FCI 211PQ042S4021	Connector Type	TH32FW
							
Terminal No.	2	Terminal No.	4	Terminal No.	2	Terminal No.	61
Color of Wire	-	Color of Wire	-	Color of Wire	-	Color of Wire	-
R/L	-	R/L	-	R/L	-	R/L	-
Signal Name [Specification]	-	Signal Name [Specification]	-	Signal Name [Specification]	-	Signal Name [Specification]	ILLUMINATION

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POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE NO.49

Connector No.	D151
Connector Name	WIRE TO WIRE
Connector Type	TH08BMW



Terminal No.	2	R/L	-	Signal Name [Specification]
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Connector No.	D157
Connector Name	WIRE TO WIRE
Connector Type	TH08BMW



Terminal No.	4	R/L	-	Signal Name [Specification]
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Connector No.	D181
Connector Name	WIRE TO WIRE
Connector Type	TH08FW



Terminal No.	2	R/L	-	Signal Name [Specification]
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Connector No.	D184
Connector Name	LICENSE PLATE LAMP LH
Connector Type	TRW 3020423100D



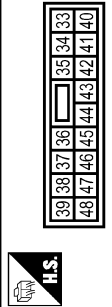
Terminal No.	1	R/L	-	Signal Name [Specification]
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Connector No.	D185
Connector Name	LICENSE PLATE LAMP RH
Connector Type	TRW 3020423100D



Terminal No.	1	R/L	-	Signal Name [Specification]
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Connector No.	E13
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	NS18FW-CS



Terminal No.	37	R/W	-	Signal Name [Specification]
	38	R/L	-	
	47	R/L	-	

Connector No.	E24
Connector Name	PARKING LAMP LH
Connector Type	RH02FB



Terminal No.	1	R/L	-	Signal Name [Specification]
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Connector No.	E43
Connector Name	PARKING LAMP RH
Connector Type	RH02FB






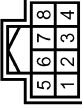



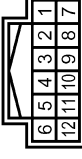
Terminal No.	1	R/W	-	Signal Name [Specification]
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POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE NO.49

Connector No. E101	Connector Name WIRE TO WIRE	Connector Type TK1DFW-NS8	Terminal No. 4	Color R/L	Signal Name [Specification]
					
Connector No. M7	Connector Name DOOR MIRROR REMOTE CONTROL SWITCH	Connector Type NS1DFW-GS	Terminal No. 10	Color R	Signal Name [Specification]
					
Connector No. E105	Connector Name WIRE TO WIRE	Connector Type TH8DMW-NS16-TM4	Terminal No. 41	Color R/L	Signal Name [Specification]
					
Connector No. M8	Connector Name WVD MODE SWITCH	Connector Type TH88FW	Terminal No. 7	Color R	Signal Name [Specification]
					
Connector No. M5	Connector Name ESP OFF SWITCH	Connector Type TK08FGY	Terminal No. 3	Color R	Signal Name [Specification]
					
Connector No. M13	Connector Name WIRE TO WIRE	Connector Type TH24FW	Terminal No. 4	Color R	Signal Name [Specification]
					
Connector No. M6	Connector Name HEADLAMP AIMING SWITCH	Connector Type AG4FW	Terminal No. 3	Color R	Signal Name [Specification]
					
Connector No. M16	Connector Name WIRE TO WIRE	Connector Type TH12FW	Terminal No. 3	Color R	Signal Name [Specification]
					

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POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE NO.49

Connector No.	M45
Connector Name	HAZARD SWITCH
Connector Type	CINCH REF 48309EVANS (WHITE)



Terminal No.	4	R	Signal Name [Specification]	-
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Connector No.	M46
Connector Name	AUDIO UNIT
Connector Type	TH18FW-CS2



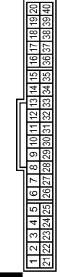
Terminal No.	9	R	Signal Name [Specification]	ILLUMINATION
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Connector No.	M52
Connector Name	HIGH-LEVEL VENT SWITCH
Connector Type	CINCH 48309EVANS



Terminal No.	1	R	Signal Name [Specification]	-
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Connector No.	M53
Connector Name	AUTO AMP.
Connector Type	SAB40FW



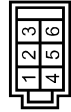
Terminal No.	16	R	Signal Name [Specification]	ILL+
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Connector No.	M64
Connector Name	HEATER CONTROL PANEL
Connector Type	TK20FGY



Terminal No.	2	R	Signal Name [Specification]	-
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Connector No.	M55
Connector Name	HEATED SEAT SWITCH LH
Connector Type	MOLEX 98172-1005 (BROWN)



Terminal No.	1	R	Signal Name [Specification]	-
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Connector No.	M56
Connector Name	HEATED SEAT SWITCH RH
Connector Type	MOLEX 98172-1002 (BLACK)



Terminal No.	1	R	Signal Name [Specification]	-
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Connector No.	M57
Connector Name	CONTROL DEVICE
Connector Type	TH18FW



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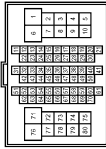
POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

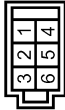
BATTERY POWER SUPPLY FUSE NO.49

Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	THROF-NS16-TM4



Terminal No.	41	Color of Wire	R	Signal Name [Specification]	-
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Connector No.	M89
Connector Name	DOOR LOCK AND UNLOCK SWITCH
Connector Type	7703197674



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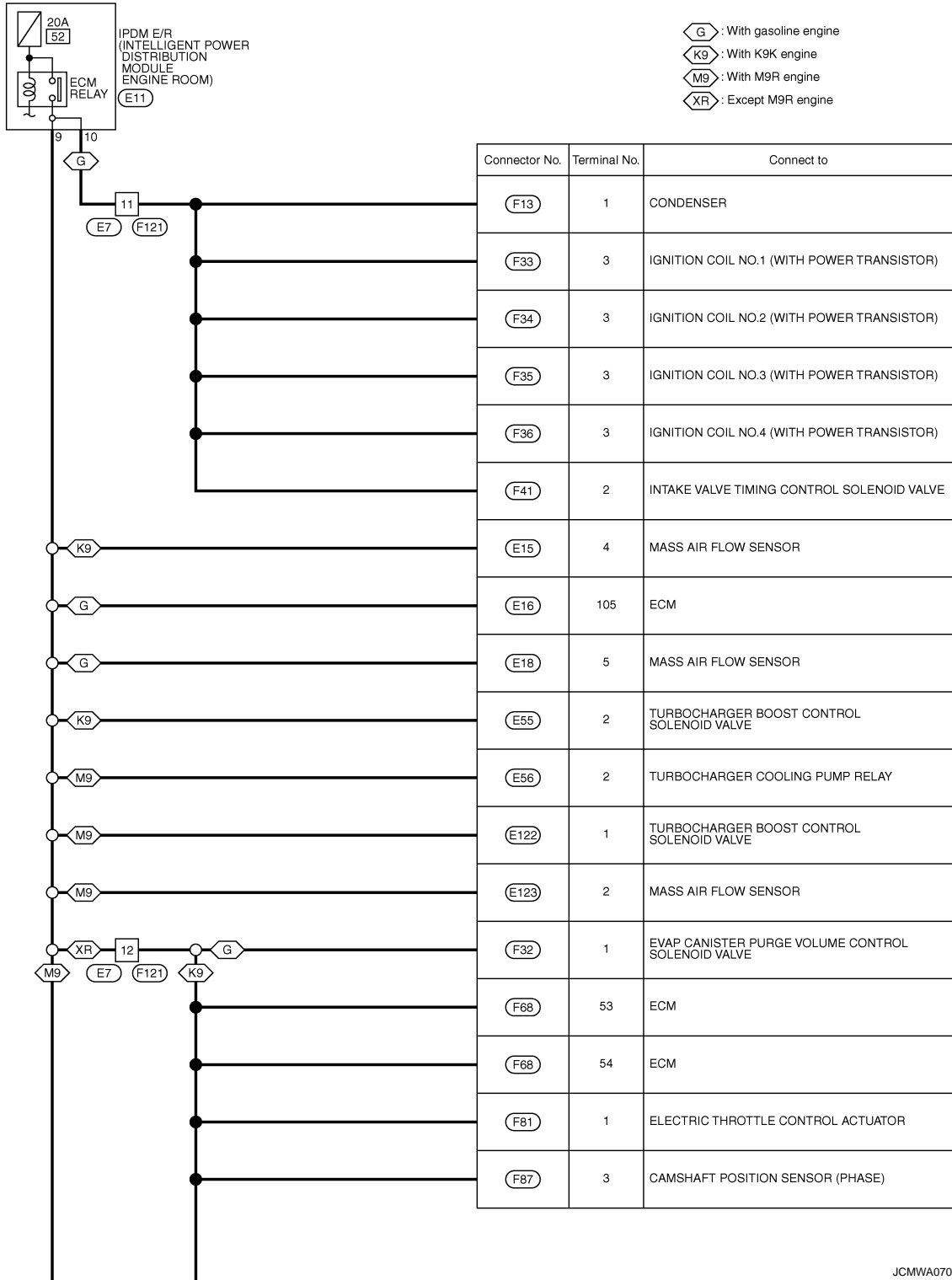
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POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE NO.52

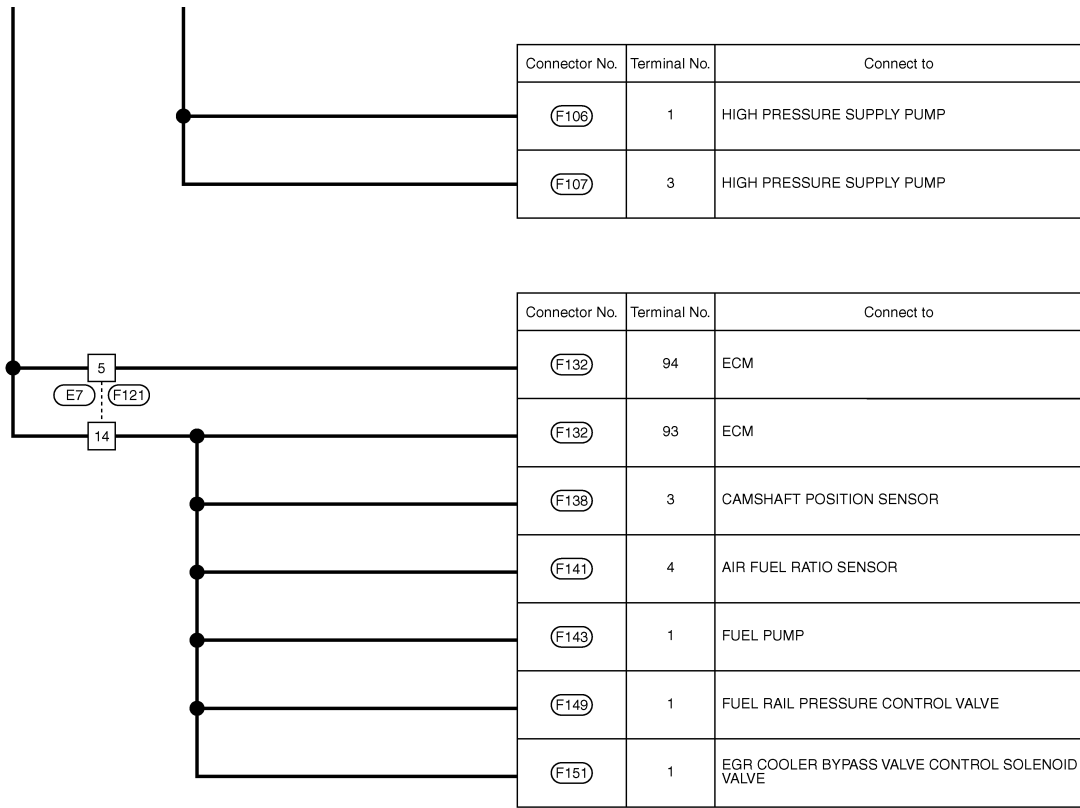


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POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]



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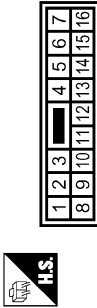
POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

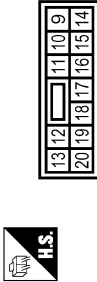
[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE NO.52

Connector No.	E7
Connector Name	WIRE TO WIRE
Connector Type	NS1BMW-CS



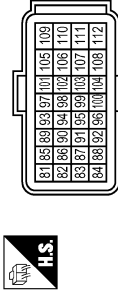
Connector No.	E11
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	NS12FBR-CS



Connector No.	E15
Connector Name	MASS AIR FLOW SENSOR
Connector Type	RH06FB



Connector No.	E16
Connector Name	ECM
Connector Type	MAA24FB-MAA8-LH



Terminal No.	Color of Wire	Signal Name [Specification]
5	G	- [With MBR engine]
11	L/R	- [With gasoline engine]
12	G	-
14	G	- [With MBR engine]

Terminal No.	Color of Wire	Signal Name [Specification]
9	G	-
10	L/R	-

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

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

Connector No.	E18
Connector Name	MASS AIR FLOW SENSOR
Connector Type	RH06FB



Connector No.	E55
Connector Name	TURBOCHARGER BOOST CONTROL SOLENOID VALVE
Connector Type	SUPPLRE REF 282788-1



Connector No.	E56
Connector Name	TURBOCHARGER COOLING PUMP RELAY
Connector Type	MS02FL-AZ



Connector No.	E122
Connector Name	TURBOCHARGER BOOST CONTROL SOLENOID VALVE
Connector Type	BS02FB-AHY-S



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

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

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

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

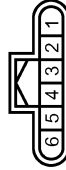
POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE NO.52

Connector No.	E123
Connector Name	MASS AIR FLOW SENSOR
Connector Type	YZK-7283-8850-30



Terminal No.	2	Color of Wire	G	Signal Name [Specification]	-
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Connector No.	F13
Connector Name	CONDENSER
Connector Type	M02FW-GY-LC



Terminal No.	1	Color of Wire	L/R	Signal Name [Specification]	-
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Connector No.	F32
Connector Name	EVAP CANISTER PURGE VOLUME CONTROL SOLENOID VALVE
Connector Type	E02FL-RS-LGY



Terminal No.	1	Color of Wire	G	Signal Name [Specification]	-
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Connector No.	F33
Connector Name	IGNITION COIL NO.1 (WITH POWER TRANSISTOR)
Connector Type	E03FGY-RS



Terminal No.	3	Color of Wire	L/R	Signal Name [Specification]	-
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Connector No.	F34
Connector Name	IGNITION COIL NO.2 (WITH POWER TRANSISTOR)
Connector Type	E03FGY-RS



Terminal No.	3	Color of Wire	L/R	Signal Name [Specification]	-
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Connector No.	F35
Connector Name	IGNITION COIL NO.3 (WITH POWER TRANSISTOR)
Connector Type	E03FGY-RS



Terminal No.	3	Color of Wire	L/R	Signal Name [Specification]	-
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Connector No.	F36
Connector Name	IGNITION COIL NO.4 (WITH POWER TRANSISTOR)
Connector Type	E03FGY-RS



Terminal No.	3	Color of Wire	L/R	Signal Name [Specification]	-
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Connector No.	F41
Connector Name	INTAKE VALVE TIMING CONTROL SOLENOID VALVE
Connector Type	E02FG-RS-LGY



Terminal No.	2	Color of Wire	L/R	Signal Name [Specification]	-
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POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE NO.52

Connector No.	F68
Connector Name	ECM
Connector Type	MAA40FER-MEA8-LH

Terminal No.	Color of Wire	Signal Name [Specification]
53	G	VBATT
54	G	VBATT

Connector No.	F81
Connector Name	ELECTRIC THROTTLE CONTROL ACTUATOR
Connector Type	FEF 42121200

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

Connector No.	F87
Connector Name	CAMSHAFT POSITION SENSOR (PHASE)
Connector Type	FEA03FB

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

Connector No.	F108
Connector Name	HIGH PRESSURE SUPPLY PUMP (VOLUMETRIC CONTROL VALVE)
Connector Type	FEA02FO

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

Connector No.	F107
Connector Name	HIGH PRESSURE SUPPLY PUMP (PRESSURE CONTROL VALVE)
Connector Type	FEA02FW

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

Connector No.	F121
Connector Name	WIRE TO WIRE
Connector Type	NS18FW-GS

Terminal No.	Color of Wire	Signal Name [Specification]
5	G	-[With MGR engine]
11	L/R	-[With gasoline engine]
12	G	-
14	G	-[With MGR engine]

Connector No.	F132
Connector Name	ECM
Connector Type	MAA40FER-MEA8-RH

Terminal No.	Color of Wire	Signal Name [Specification]
93	G	VBATT
94	G	VBATT

Connector No.	F138
Connector Name	CAMSHAFT POSITION SENSOR
Connector Type	FCI-211PC032S0048

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

POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE NO.52

Connector No.	F141
Connector Name	AIR FUEL RATIO SENSOR
Connector Type	BOSGH 1928404659



Terminal No.	4	Color of Wire	G	Signal Name [Specification]	HEATER +
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Connector No.	F143
Connector Name	FUEL PUMP
Connector Type	BOSGH 1928404072



Terminal No.	1	Color of Wire	G	Signal Name [Specification]	
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Connector No.	F149
Connector Name	FUEL RAIL PRESSURE CONTROL VALVE
Connector Type	BOSGH 1928404072



Terminal No.	1	Color of Wire	G	Signal Name [Specification]	
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Connector No.	F151
Connector Name	EGR COOLER BYPASS VALVE CONTROL SOLENOID VALVE
Connector Type	BS02FB-AHY-S



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

< COMPONENT DIAGNOSIS >

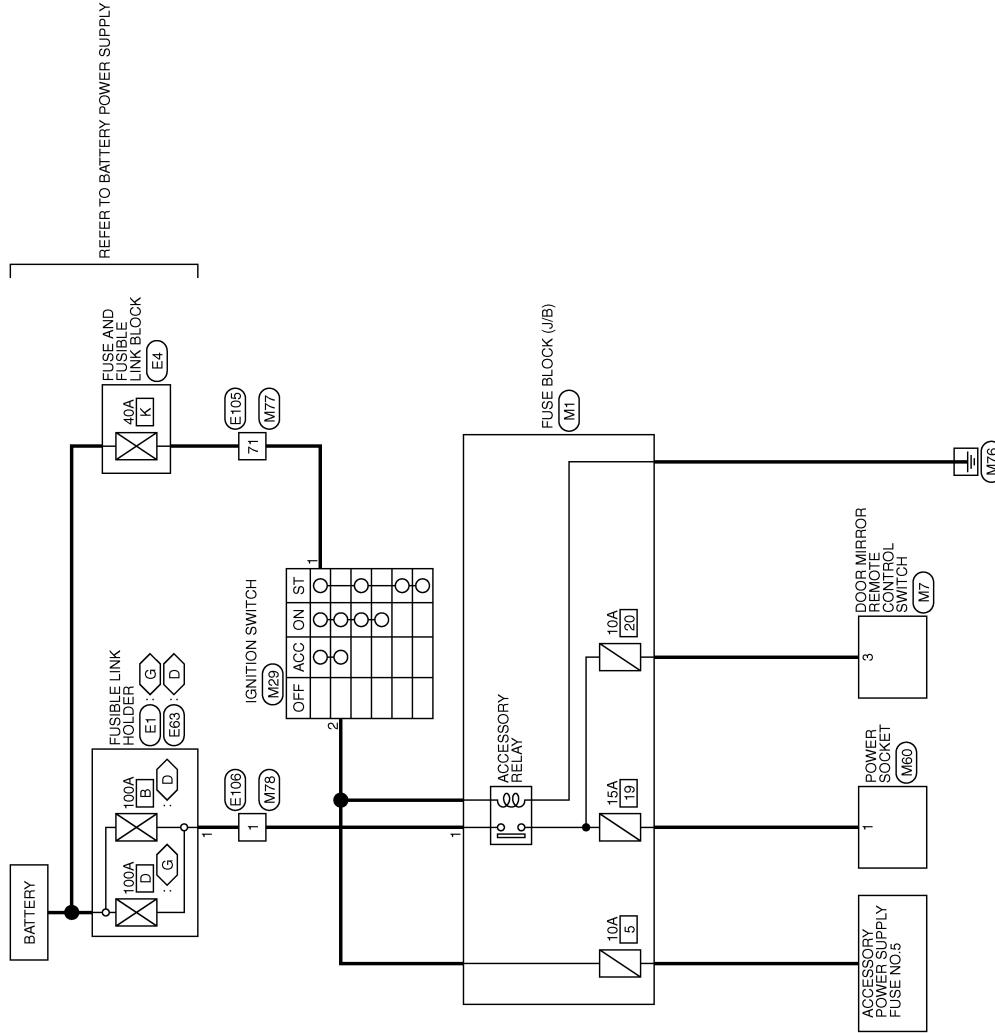
[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - ACCESSORY POWER SUPPLY -

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ACCESSORY POWER SUPPLY

G : With gasoline engine
D : With diesel engine



2007/04/27

















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POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

ACCESSORY POWER SUPPLY

<table border="1"> <tr><td>Connector No.</td><td>E1</td></tr> <tr><td>Connector Name</td><td>FUSIBLE LINK HOLDER</td></tr> <tr><td>Connector Type</td><td>LOZFGY-MC</td></tr> </table>  	Connector No.	E1	Connector Name	FUSIBLE LINK HOLDER	Connector Type	LOZFGY-MC	<table border="1"> <tr><td>Terminal No.</td><td>1</td><td>2</td></tr> <tr><td>Color of Wire</td><td>W</td><td>W</td></tr> <tr><td>Signal Name [Specification]</td><td></td><td></td></tr> </table>	Terminal No.	1	2	Color of Wire	W	W	Signal Name [Specification]											
Connector No.	E1																								
Connector Name	FUSIBLE LINK HOLDER																								
Connector Type	LOZFGY-MC																								
Terminal No.	1	2																							
Color of Wire	W	W																							
Signal Name [Specification]																									
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Color of Wire	W	W																							
Signal Name [Specification]																									
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Connector No.	E105																								
Connector Name	WIRE TO WIRE																								
Connector Type	TH60MW-NS16-TM4																								
Terminal No.	71	L	-	-																					
Color of Wire	L	L	-	-																					
Signal Name [Specification]																									
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Connector Name	FUSIBLE LINK HOLDER																								
Connector Type	LOZFGY-MC																								
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Connector No.	M1																								
Connector Name	FUSE BLOCK (J/B)																								
Connector Type	-																								
Terminal No.	1																								
Color of Wire	W																								
Signal Name [Specification]																									
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Connector No.	M7																								
Connector Name	DOOR MIRROR REMOTE CONTROL SWITCH																								
Connector Type	NS1DFW-GS																								
Terminal No.	3	R	-	-																					
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Signal Name [Specification]																									
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Connector No.	M29																								
Connector Name	IGNITION SWITCH																								
Connector Type	M09FW-LC																								
Terminal No.	1	L	BR	-	-																				
Color of Wire	L	L	BR	-	-																				
Signal Name [Specification]																									
<table border="1"> <tr><td>Connector No.</td><td>M60</td></tr> <tr><td>Connector Name</td><td>POWER SOCKET</td></tr> <tr><td>Connector Type</td><td>P02FB-Z</td></tr> </table>  	Connector No.	M60	Connector Name	POWER SOCKET	Connector Type	P02FB-Z	<table border="1"> <tr><td>Terminal No.</td><td>1</td><td>LG</td><td>-</td><td>-</td></tr> <tr><td>Color of Wire</td><td>LG</td><td>LG</td><td>-</td><td>-</td></tr> <tr><td>Signal Name [Specification]</td><td></td><td></td><td></td><td></td></tr> </table>	Terminal No.	1	LG	-	-	Color of Wire	LG	LG	-	-	Signal Name [Specification]							
Connector No.	M60																								
Connector Name	POWER SOCKET																								
Connector Type	P02FB-Z																								
Terminal No.	1	LG	-	-																					
Color of Wire	LG	LG	-	-																					
Signal Name [Specification]																									

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POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

ACCESSORY POWER SUPPLY

Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	TH69FW-NS16-TM4



Terminal No.	71	L	-
Color of Wire			
Signal Name (Specification)			

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



Terminal No.	1	W	-
Color of Wire			
Signal Name (Specification)			

JCMWA0715GE

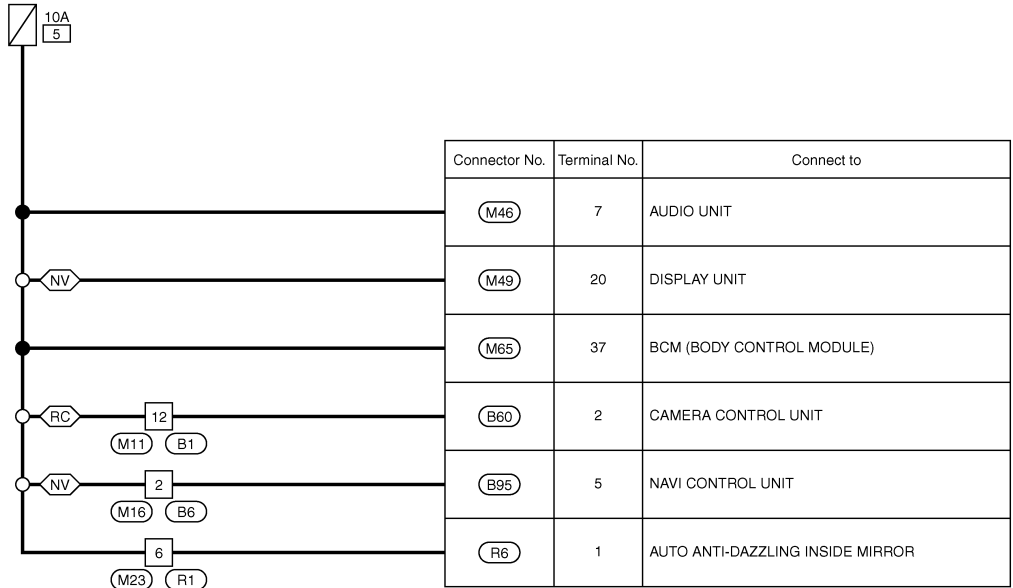
POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

ACCESSORY POWER SUPPLY FUSE NO.5

◀NV▶ : With navigation system
 ▶RC▶ : With rear view camera



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JCMWA0464GE

POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

ACCESSORY POWER SUPPLY FUSE NO.5

Connector No.	B1
Connector Name	WIRE TO WIRE
Connector Type	TH124MW



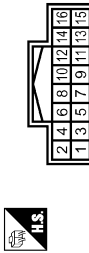
Terminal No.	12	Color of Wire	R	Signal Name [Specification]	—
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Connector No.	B8
Connector Name	WIRE TO WIRE
Connector Type	TH124MW



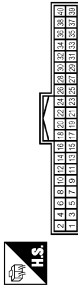
Terminal No.	2	Color of Wire	R	Signal Name [Specification]	—
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Connector No.	B8D
Connector Name	CAMERA CONTROL UNIT
Connector Type	TH18FW



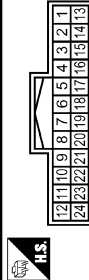
Terminal No.	2	Color of Wire	R	Signal Name [Specification]	ACC
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Connector No.	B95
Connector Name	NAVY CONTROL UNIT
Connector Type	TH40FW



Terminal No.	5	Color of Wire	R	Signal Name [Specification]	ACC
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Connector No.	M11
Connector Name	WIRE TO WIRE
Connector Type	TH24FW



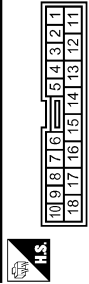
Terminal No.	12	Color of Wire	R	Signal Name [Specification]	—
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Connector No.	M16
Connector Name	WIRE TO WIRE
Connector Type	TH12FW



Terminal No.	2	Color of Wire	R	Signal Name [Specification]	—
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Connector No.	M23
Connector Name	WIRE TO WIRE
Connector Type	TK10FW-NSS



Terminal No.	6	Color of Wire	R	Signal Name [Specification]	—
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Connector No.	M46
Connector Name	AUDIO UNIT
Connector Type	TH18FW-GS2



Terminal No.	7	Color of Wire	R	Signal Name [Specification]	ACC
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POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< COMPONENT DIAGNOSIS >

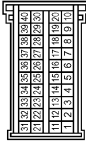
ACCESSORY POWER SUPPLY FUSE NO.5

Connector No.	M48
Connector Name	DISPLAY UNIT
Connector Type	TH24FW



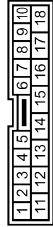
Terminal No.	20	Color of Wire	R	Signal Name [Specification]	ACC
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Connector No.	M65
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	AAB40FB



Terminal No.	37	Color of Wire	R	Signal Name [Specification]	ACC SW
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Connector No.	R1
Connector Name	WIRE TO WIRE
Connector Type	TK10MW-HS



Terminal No.	6	Color of Wire	R	Signal Name [Specification]	
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Connector No.	R6
Connector Name	AUTO ANTI-DAZZLING INSIDE MIRROR
Connector Type	CINCH 4930323



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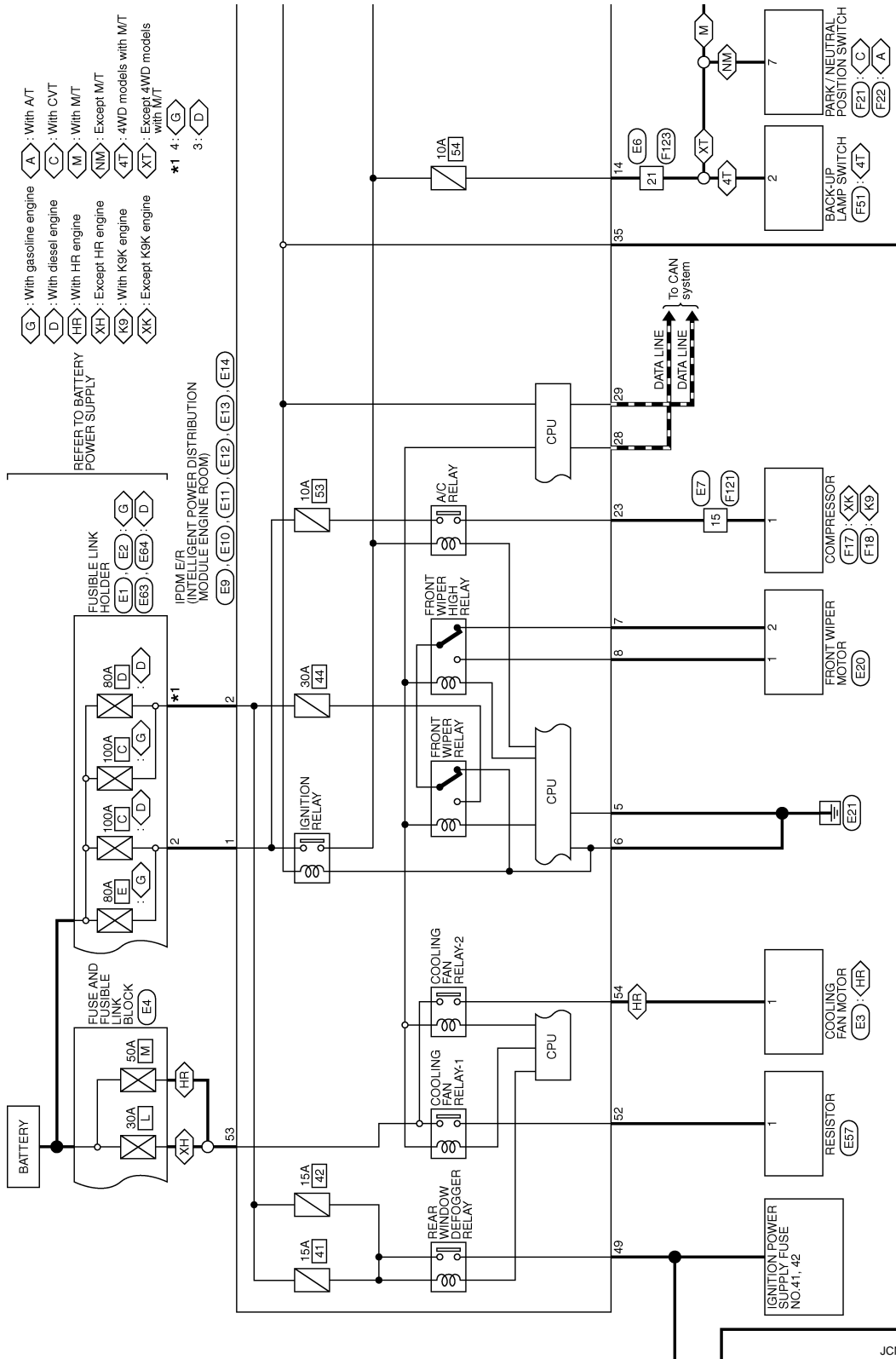
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POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]



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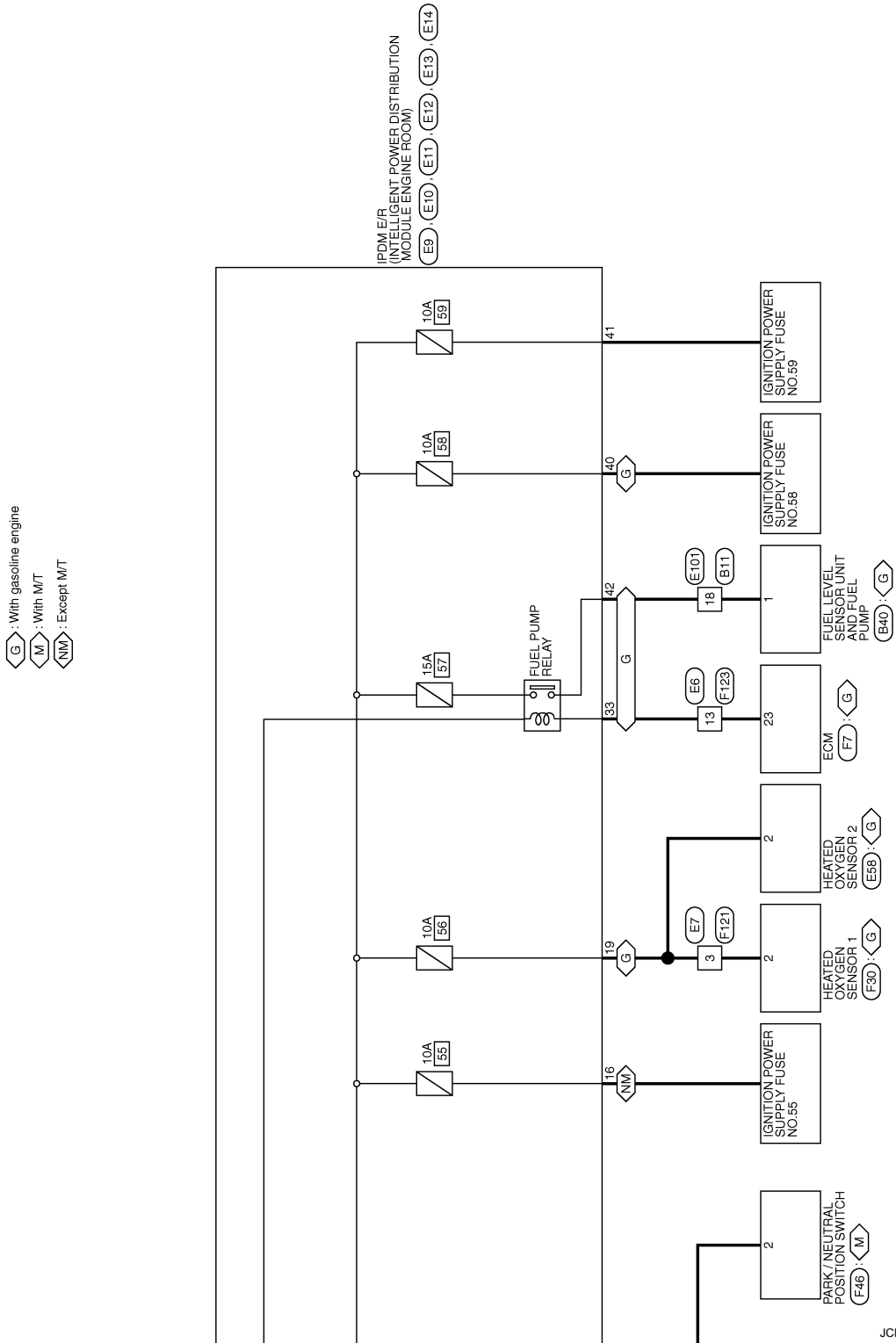
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POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]



















JCMWA0720GE

POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY

<table border="1"> <tr><td>Connector No.</td><td>B11</td></tr> <tr><td>Connector Name</td><td>WIRE TO WIRE</td></tr> <tr><td>Connector Type</td><td>TK DMW-NS8</td></tr> </table>   <table border="1"> <tr><td>Terminal No.</td><td>18</td></tr> <tr><td>Color of Wire</td><td>B/Y</td></tr> <tr><td>Signal Name [Specification]</td><td>-</td></tr> </table>	Connector No.	B11	Connector Name	WIRE TO WIRE	Connector Type	TK DMW-NS8	Terminal No.	18	Color of Wire	B/Y	Signal Name [Specification]	-	<table border="1"> <tr><td>Connector No.</td><td>B40</td></tr> <tr><td>Connector Name</td><td>FUEL LEVEL SENSOR UNIT AND FUEL PUMP</td></tr> <tr><td>Connector Type</td><td>E04FGY-RS</td></tr> </table>   <table border="1"> <tr><td>Terminal No.</td><td>1</td></tr> <tr><td>Color of Wire</td><td>B/Y</td></tr> <tr><td>Signal Name [Specification]</td><td>-</td></tr> </table>	Connector No.	B40	Connector Name	FUEL LEVEL SENSOR UNIT AND FUEL PUMP	Connector Type	E04FGY-RS	Terminal No.	1	Color of Wire	B/Y	Signal Name [Specification]	-	<table border="1"> <tr><td>Connector No.</td><td>D1</td></tr> <tr><td>Connector Name</td><td>WIRE TO WIRE</td></tr> <tr><td>Connector Type</td><td>TK18FW</td></tr> </table>   <table border="1"> <tr><td>Terminal No.</td><td>2</td></tr> <tr><td>Color of Wire</td><td>G</td></tr> <tr><td>Signal Name [Specification]</td><td>-</td></tr> </table>	Connector No.	D1	Connector Name	WIRE TO WIRE	Connector Type	TK18FW	Terminal No.	2	Color of Wire	G	Signal Name [Specification]	-	<table border="1"> <tr><td>Connector No.</td><td>D3</td></tr> <tr><td>Connector Name</td><td>DOOR MIRROR (DRIVER SIDE)</td></tr> <tr><td>Connector Type</td><td>TK8BMGY</td></tr> </table>   <table border="1"> <tr><td>Terminal No.</td><td>7</td></tr> <tr><td>Color of Wire</td><td>G</td></tr> <tr><td>Signal Name [Specification]</td><td>-</td></tr> </table>	Connector No.	D3	Connector Name	DOOR MIRROR (DRIVER SIDE)	Connector Type	TK8BMGY	Terminal No.	7	Color of Wire	G	Signal Name [Specification]	-
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<table border="1"> <tr><td>Connector No.</td><td>B21</td></tr> <tr><td>Connector Name</td><td>WIRE TO WIRE</td></tr> <tr><td>Connector Type</td><td>TK18FW</td></tr> </table>   <table border="1"> <tr><td>Terminal No.</td><td>2</td></tr> <tr><td>Color of Wire</td><td>P</td></tr> <tr><td>Signal Name [Specification]</td><td>-</td></tr> </table>	Connector No.	B21	Connector Name	WIRE TO WIRE	Connector Type	TK18FW	Terminal No.	2	Color of Wire	P	Signal Name [Specification]	-	<table border="1"> <tr><td>Connector No.</td><td>D23</td></tr> <tr><td>Connector Name</td><td>DOOR MIRROR (DRIVER SIDE)</td></tr> <tr><td>Connector Type</td><td>TK8BMGY</td></tr> </table>   <table border="1"> <tr><td>Terminal No.</td><td>7</td></tr> <tr><td>Color of Wire</td><td>G</td></tr> <tr><td>Signal Name [Specification]</td><td>-</td></tr> </table>	Connector No.	D23	Connector Name	DOOR MIRROR (DRIVER SIDE)	Connector Type	TK8BMGY	Terminal No.	7	Color of Wire	G	Signal Name [Specification]	-	<table border="1"> <tr><td>Connector No.</td><td>D41</td></tr> <tr><td>Connector Name</td><td>WIRE TO WIRE</td></tr> <tr><td>Connector Type</td><td>TK18FW</td></tr> </table>   <table border="1"> <tr><td>Terminal No.</td><td>2</td></tr> <tr><td>Color of Wire</td><td>P</td></tr> <tr><td>Signal Name [Specification]</td><td>-</td></tr> </table>	Connector No.	D41	Connector Name	WIRE TO WIRE	Connector Type	TK18FW	Terminal No.	2	Color of Wire	P	Signal Name [Specification]	-	<table border="1"> <tr><td>Connector No.</td><td>D43</td></tr> <tr><td>Connector Name</td><td>DOOR MIRROR (PASSENGER SIDE)</td></tr> <tr><td>Connector Type</td><td>TK8BMGY</td></tr> </table>   <table border="1"> <tr><td>Terminal No.</td><td>7</td></tr> <tr><td>Color of Wire</td><td>G</td></tr> <tr><td>Signal Name [Specification]</td><td>-</td></tr> </table>	Connector No.	D43	Connector Name	DOOR MIRROR (PASSENGER SIDE)	Connector Type	TK8BMGY	Terminal No.	7	Color of Wire	G	Signal Name [Specification]	-
Connector No.	B21																																																		
Connector Name	WIRE TO WIRE																																																		
Connector Type	TK18FW																																																		
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Signal Name [Specification]	-																																																		
Connector No.	D23																																																		
Connector Name	DOOR MIRROR (DRIVER SIDE)																																																		
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Connector Type	TK18FW																																																		
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





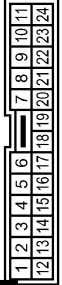






JCMWA0721GE

POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY

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Connector Name	WIRE TO WIRE																																																		
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Signal Name [Specification]																																																			
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Color of Wire	B																																																		
Signal Name [Specification]																																																			
<table border="1"> <tr><td>Terminal No.</td><td>13</td></tr> <tr><td>Color of Wire</td><td>R/B</td></tr> <tr><td>Signal Name [Specification]</td><td></td></tr> </table>	Terminal No.	13	Color of Wire	R/B	Signal Name [Specification]		<table border="1"> <tr><td>Terminal No.</td><td>15</td></tr> <tr><td>Color of Wire</td><td>Y/B</td></tr> <tr><td>Signal Name [Specification]</td><td></td></tr> </table>	Terminal No.	15	Color of Wire	Y/B	Signal Name [Specification]		<table border="1"> <tr><td>Terminal No.</td><td>1</td></tr> <tr><td>Color of Wire</td><td>G</td></tr> <tr><td>Signal Name [Specification]</td><td></td></tr> </table>	Terminal No.	1	Color of Wire	G	Signal Name [Specification]		<table border="1"> <tr><td>Terminal No.</td><td>5</td></tr> <tr><td>Color of Wire</td><td>B</td></tr> <tr><td>Signal Name [Specification]</td><td></td></tr> </table>	Terminal No.	5	Color of Wire	B	Signal Name [Specification]																									
Terminal No.	13																																																		
Color of Wire	R/B																																																		
Signal Name [Specification]																																																			
Terminal No.	15																																																		
Color of Wire	Y/B																																																		
Signal Name [Specification]																																																			
Terminal No.	1																																																		
Color of Wire	G																																																		
Signal Name [Specification]																																																			
Terminal No.	5																																																		
Color of Wire	B																																																		
Signal Name [Specification]																																																			

JCMWA0722GE

POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< COMPONENT DIAGNOSIS >

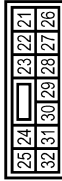
IGNITION POWER SUPPLY

Connector No.	E11
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	NS12FBR-CS



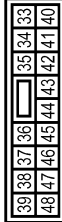
Terminal No.	Color of Wire	Signal Name [Specification]
14	R/B	-
16	Y/R	-
18	R/O	-

Connector No.	E12
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	NS12FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
23	Y/B	-
28	L	-
29	P	-

Connector No.	E13
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	NS16FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
33	B/O	-
35	W/L	-
40	SB	- [With MR engine]
40	BR/Y	- [With HR engine]
41	P	-
42	B/Y	-

Connector No.	E14
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	YZK 7283-5391-40-F



Terminal No.	Color of Wire	Signal Name [Specification]
49	B	- [Except MBR engine]
49	G	- [With MBR engine]
52	W	-
53	W/B	-
54	R	-

Connector No.	E20
Connector Name	FRONT WIPER MOTOR
Connector Type	AMP 933600-1



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

Connector No.	E57
Connector Name	RESISTOR
Connector Type	P801038851802



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

Connector No.	E58
Connector Name	HEATED OXYGEN SENSOR 2
Connector Type	AF204FB



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

Connector No.	E63
Connector Name	FUSIBLE LINK HOLDER
Connector Type	LD2FGY-MC



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

JCMWA0723GE

















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POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY

Connector No. E64 Connector Name FUSIBLE LINK HOLDER Connector Type LOZFBR-MC-B	 	Terminal No. 3 Color W Signal Name [Specification] -
Connector No. E101 Connector Name WIRE TO WIRE Connector Type TKIDFW-NS3	 	Terminal No. 18 Color B/Y Signal Name [Specification] -
Connector No. E105 Connector Name WIRE TO WIRE Connector Type THSDMW-NS16-TM4	 	Terminal No. 68 Color W/L Signal Name [Specification] - Terminal No. 71 Color W Signal Name [Specification] - Terminal No. 74 Color L Signal Name [Specification] - Terminal No. 74 Color G Signal Name [Specification] -
Connector No. E106 Connector Name WIRE TO WIRE Connector Type LOZMF-MC	 	Terminal No. 1 Color W Signal Name [Specification] -
Connector No. F7 Connector Name ECM Connector Type MAAZ4FGY-MEA8-RH	 	Terminal No. 23 Color B/O Signal Name [Specification] FPR
Connector No. F17 Connector Name COMPRESSOR Connector Type RH02FB	 	Terminal No. 1 Color Y/B Signal Name [Specification] -
Connector No. F18 Connector Name COMPRESSOR Connector Type DELPHI121E2017	 	Terminal No. 1 Color Y/B Signal Name [Specification] -
Connector No. F21 Connector Name PARK/NEUTRAL POSITION SWITCH Connector Type RK08FG	 	Terminal No. 7 Color R/B Signal Name [Specification] -

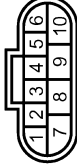















JCMWA0724GE

POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY

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Connector No.	F22												
Connector Name	PARK/NEUTRAL POSITION SWITCH												
Connector Type	YDX06FB-HS4												
Terminal No.	7												
Color of Wire	R/B												
Signal Name [Specification]	-												
<table border="1"> <tr><td>Connector No.</td><td>F30</td></tr> <tr><td>Connector Name</td><td>HEATED OXYGEN SENSOR 1</td></tr> <tr><td>Connector Type</td><td>AF204FB</td></tr> </table>  	Connector No.	F30	Connector Name	HEATED OXYGEN SENSOR 1	Connector Type	AF204FB	<table border="1"> <tr><td>Terminal No.</td><td>2</td></tr> <tr><td>Color of Wire</td><td>R/O</td></tr> <tr><td>Signal Name [Specification]</td><td>-</td></tr> </table>	Terminal No.	2	Color of Wire	R/O	Signal Name [Specification]	-
Connector No.	F30												
Connector Name	HEATED OXYGEN SENSOR 1												
Connector Type	AF204FB												
Terminal No.	2												
Color of Wire	R/O												
Signal Name [Specification]	-												
<table border="1"> <tr><td>Connector No.</td><td>F46</td></tr> <tr><td>Connector Name</td><td>PARK/NEUTRAL POSITION SWITCH</td></tr> <tr><td>Connector Type</td><td>FEA03FG</td></tr> </table>  	Connector No.	F46	Connector Name	PARK/NEUTRAL POSITION SWITCH	Connector Type	FEA03FG	<table border="1"> <tr><td>Terminal No.</td><td>2</td></tr> <tr><td>Color of Wire</td><td>R/B</td></tr> <tr><td>Signal Name [Specification]</td><td>-</td></tr> </table>	Terminal No.	2	Color of Wire	R/B	Signal Name [Specification]	-
Connector No.	F46												
Connector Name	PARK/NEUTRAL POSITION SWITCH												
Connector Type	FEA03FG												
Terminal No.	2												
Color of Wire	R/B												
Signal Name [Specification]	-												
<table border="1"> <tr><td>Connector No.</td><td>F51</td></tr> <tr><td>Connector Name</td><td>BACK-UP LAMP SWITCH</td></tr> <tr><td>Connector Type</td><td>RK02FB</td></tr> </table>  	Connector No.	F51	Connector Name	BACK-UP LAMP SWITCH	Connector Type	RK02FB	<table border="1"> <tr><td>Terminal No.</td><td>2</td></tr> <tr><td>Color of Wire</td><td>R/B</td></tr> <tr><td>Signal Name [Specification]</td><td>-</td></tr> </table>	Terminal No.	2	Color of Wire	R/B	Signal Name [Specification]	-
Connector No.	F51												
Connector Name	BACK-UP LAMP SWITCH												
Connector Type	RK02FB												
Terminal No.	2												
Color of Wire	R/B												
Signal Name [Specification]	-												
<table border="1"> <tr><td>Connector No.</td><td>F121</td></tr> <tr><td>Connector Name</td><td>WIRE TO WIRE</td></tr> <tr><td>Connector Type</td><td>NS18FW-GS</td></tr> </table>  	Connector No.	F121	Connector Name	WIRE TO WIRE	Connector Type	NS18FW-GS	<table border="1"> <tr><td>Terminal No.</td><td>15</td></tr> <tr><td>Color of Wire</td><td>Y/R</td></tr> <tr><td>Signal Name [Specification]</td><td>-</td></tr> </table>	Terminal No.	15	Color of Wire	Y/R	Signal Name [Specification]	-
Connector No.	F121												
Connector Name	WIRE TO WIRE												
Connector Type	NS18FW-GS												
Terminal No.	15												
Color of Wire	Y/R												
Signal Name [Specification]	-												
<table border="1"> <tr><td>Connector No.</td><td>F123</td></tr> <tr><td>Connector Name</td><td>WIRE TO WIRE</td></tr> <tr><td>Connector Type</td><td>TK24FW-TV</td></tr> </table>  	Connector No.	F123	Connector Name	WIRE TO WIRE	Connector Type	TK24FW-TV	<table border="1"> <tr><td>Terminal No.</td><td>13</td></tr> <tr><td>Color of Wire</td><td>B/O</td></tr> <tr><td>Signal Name [Specification]</td><td>-</td></tr> </table>	Terminal No.	13	Color of Wire	B/O	Signal Name [Specification]	-
Connector No.	F123												
Connector Name	WIRE TO WIRE												
Connector Type	TK24FW-TV												
Terminal No.	13												
Color of Wire	B/O												
Signal Name [Specification]	-												
<table border="1"> <tr><td>Connector No.</td><td>M1</td></tr> <tr><td>Connector Name</td><td>FUSE BLOCK (J/B)</td></tr> <tr><td>Connector Type</td><td>-</td></tr> </table>  	Connector No.	M1	Connector Name	FUSE BLOCK (J/B)	Connector Type	-	<table border="1"> <tr><td>Terminal No.</td><td>1</td></tr> <tr><td>Color of Wire</td><td>W</td></tr> <tr><td>Signal Name [Specification]</td><td>-</td></tr> </table>	Terminal No.	1	Color of Wire	W	Signal Name [Specification]	-
Connector No.	M1												
Connector Name	FUSE BLOCK (J/B)												
Connector Type	-												
Terminal No.	1												
Color of Wire	W												
Signal Name [Specification]	-												
<table border="1"> <tr><td>Connector No.</td><td>M2</td></tr> <tr><td>Connector Name</td><td>FUSE BLOCK (J/B)</td></tr> <tr><td>Connector Type</td><td>-</td></tr> </table>  	Connector No.	M2	Connector Name	FUSE BLOCK (J/B)	Connector Type	-	<table border="1"> <tr><td>Terminal No.</td><td>2</td></tr> <tr><td>Color of Wire</td><td>G</td></tr> <tr><td>Signal Name [Specification]</td><td>-</td></tr> </table>	Terminal No.	2	Color of Wire	G	Signal Name [Specification]	-
Connector No.	M2												
Connector Name	FUSE BLOCK (J/B)												
Connector Type	-												
Terminal No.	2												
Color of Wire	G												
Signal Name [Specification]	-												










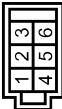

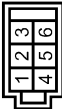

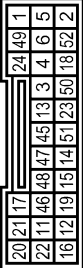


JCMWA0725GE

POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY

<table border="1"> <tr><td>Connector No.</td><td>M18</td></tr> <tr><td>Connector Name</td><td>WIRE TO WIRE</td></tr> <tr><td>Connector Type</td><td>TK (BMW)</td></tr> </table>   <table border="1"> <tr><td>Terminal No.</td><td>2</td><td>Color of Wire</td><td>G</td><td>Signal Name [Specification]</td><td>-</td></tr> </table>	Connector No.	M18	Connector Name	WIRE TO WIRE	Connector Type	TK (BMW)	Terminal No.	2	Color of Wire	G	Signal Name [Specification]	-	<table border="1"> <tr><td>Connector No.</td><td>M20</td></tr> <tr><td>Connector Name</td><td>WIRE TO WIRE</td></tr> <tr><td>Connector Type</td><td>TK (BMW)</td></tr> </table>   <table border="1"> <tr><td>Terminal No.</td><td>2</td><td>Color of Wire</td><td>G</td><td>Signal Name [Specification]</td><td>-</td></tr> </table>	Connector No.	M20	Connector Name	WIRE TO WIRE	Connector Type	TK (BMW)	Terminal No.	2	Color of Wire	G	Signal Name [Specification]	-	<table border="1"> <tr><td>Connector No.</td><td>M27</td></tr> <tr><td>Connector Name</td><td>COMBINATION SWITCH</td></tr> <tr><td>Connector Type</td><td>TK (BMW)</td></tr> </table>   <table border="1"> <tr><td>Terminal No.</td><td>14</td><td>Color of Wire</td><td>GR</td><td>Signal Name [Specification]</td><td>IGN</td></tr> </table>	Connector No.	M27	Connector Name	COMBINATION SWITCH	Connector Type	TK (BMW)	Terminal No.	14	Color of Wire	GR	Signal Name [Specification]	IGN	<table border="1"> <tr><td>Connector No.</td><td>M29</td></tr> <tr><td>Connector Name</td><td>IGNITION SWITCH</td></tr> <tr><td>Connector Type</td><td>MOBEFW-LC</td></tr> </table>   <table border="1"> <tr><td>Terminal No.</td><td>1</td><td>Color of Wire</td><td>L</td><td>Signal Name [Specification]</td><td>-</td></tr> <tr><td></td><td>3</td><td>Color of Wire</td><td>G</td><td>Signal Name [Specification]</td><td>-</td></tr> <tr><td></td><td>4</td><td>Color of Wire</td><td>Y</td><td>Signal Name [Specification]</td><td>-</td></tr> </table>	Connector No.	M29	Connector Name	IGNITION SWITCH	Connector Type	MOBEFW-LC	Terminal No.	1	Color of Wire	L	Signal Name [Specification]	-		3	Color of Wire	G	Signal Name [Specification]	-		4	Color of Wire	Y	Signal Name [Specification]	-
Connector No.	M18																																																														
Connector Name	WIRE TO WIRE																																																														
Connector Type	TK (BMW)																																																														
Terminal No.	2	Color of Wire	G	Signal Name [Specification]	-																																																										
Connector No.	M20																																																														
Connector Name	WIRE TO WIRE																																																														
Connector Type	TK (BMW)																																																														
Terminal No.	2	Color of Wire	G	Signal Name [Specification]	-																																																										
Connector No.	M27																																																														
Connector Name	COMBINATION SWITCH																																																														
Connector Type	TK (BMW)																																																														
Terminal No.	14	Color of Wire	GR	Signal Name [Specification]	IGN																																																										
Connector No.	M29																																																														
Connector Name	IGNITION SWITCH																																																														
Connector Type	MOBEFW-LC																																																														
Terminal No.	1	Color of Wire	L	Signal Name [Specification]	-																																																										
	3	Color of Wire	G	Signal Name [Specification]	-																																																										
	4	Color of Wire	Y	Signal Name [Specification]	-																																																										
<table border="1"> <tr><td>Connector No.</td><td>M55</td></tr> <tr><td>Connector Name</td><td>HEATED SEAT SWITCH LH</td></tr> <tr><td>Connector Type</td><td>MOLEX 98172-1005 (BROWN)</td></tr> </table>   <table border="1"> <tr><td>Terminal No.</td><td>3</td><td>Color of Wire</td><td>G</td><td>Signal Name [Specification]</td><td>-</td></tr> </table>	Connector No.	M55	Connector Name	HEATED SEAT SWITCH LH	Connector Type	MOLEX 98172-1005 (BROWN)	Terminal No.	3	Color of Wire	G	Signal Name [Specification]	-	<table border="1"> <tr><td>Connector No.</td><td>M56</td></tr> <tr><td>Connector Name</td><td>HEATED SEAT SWITCH RH</td></tr> <tr><td>Connector Type</td><td>MOLEX 98172-1002 (BLACK)</td></tr> </table>   <table border="1"> <tr><td>Terminal No.</td><td>3</td><td>Color of Wire</td><td>G</td><td>Signal Name [Specification]</td><td>-</td></tr> </table>	Connector No.	M56	Connector Name	HEATED SEAT SWITCH RH	Connector Type	MOLEX 98172-1002 (BLACK)	Terminal No.	3	Color of Wire	G	Signal Name [Specification]	-	<table border="1"> <tr><td>Connector No.</td><td>M59</td></tr> <tr><td>Connector Name</td><td>AIR BAG DIAGNOSIS SENSOR UNIT</td></tr> <tr><td>Connector Type</td><td>TK28FY-EX-SC</td></tr> </table>   <table border="1"> <tr><td>Terminal No.</td><td>1</td><td>Color of Wire</td><td>BR</td><td>Signal Name [Specification]</td><td>IGN</td></tr> </table>	Connector No.	M59	Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT	Connector Type	TK28FY-EX-SC	Terminal No.	1	Color of Wire	BR	Signal Name [Specification]	IGN	<table border="1"> <tr><td>Connector No.</td><td>M77</td></tr> <tr><td>Connector Name</td><td>WIRE TO WIRE</td></tr> <tr><td>Connector Type</td><td>TH6UFW-NS16-TM4</td></tr> </table>   <table border="1"> <tr><td>Terminal No.</td><td>68</td><td>Color of Wire</td><td>W</td><td>Signal Name [Specification]</td><td>-</td></tr> <tr><td></td><td>71</td><td>Color of Wire</td><td>L</td><td>Signal Name [Specification]</td><td>-</td></tr> <tr><td></td><td>74</td><td>Color of Wire</td><td>R</td><td>Signal Name [Specification]</td><td>-</td></tr> </table>	Connector No.	M77	Connector Name	WIRE TO WIRE	Connector Type	TH6UFW-NS16-TM4	Terminal No.	68	Color of Wire	W	Signal Name [Specification]	-		71	Color of Wire	L	Signal Name [Specification]	-		74	Color of Wire	R	Signal Name [Specification]	-
Connector No.	M55																																																														
Connector Name	HEATED SEAT SWITCH LH																																																														
Connector Type	MOLEX 98172-1005 (BROWN)																																																														
Terminal No.	3	Color of Wire	G	Signal Name [Specification]	-																																																										
Connector No.	M56																																																														
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Connector Type	MOLEX 98172-1002 (BLACK)																																																														
Terminal No.	3	Color of Wire	G	Signal Name [Specification]	-																																																										
Connector No.	M59																																																														
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT																																																														
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Terminal No.	1	Color of Wire	BR	Signal Name [Specification]	IGN																																																										
Connector No.	M77																																																														
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Terminal No.	68	Color of Wire	W	Signal Name [Specification]	-																																																										
	71	Color of Wire	L	Signal Name [Specification]	-																																																										
	74	Color of Wire	R	Signal Name [Specification]	-																																																										











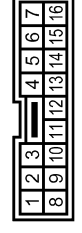
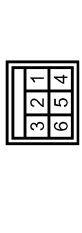

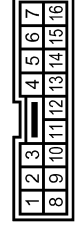
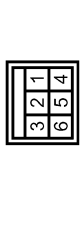

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


POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY

Connector No.	M78	Connector No.	M81	Connector No.	M83	Connector No.	M89
Wire to WIRE	WIRE TO WIRE	WIRE TO WIRE	WIRE TO WIRE	WIRE TO WIRE	WIRE TO WIRE	WIRE TO WIRE	WIRE TO WIRE
Connector Type	L02FB-MC	TK18MW	TK18MW	TK18MW	TK18MW	MO8FW-LC	MO8FW-LC
							
							
Terminal No.	1	2	2	2	2	5	6
Color of Wire	W	G	G	G	G	Y	Y
Signal Name [Specification]	-	-	-	-	-	-	-

Connector No.	M301	Connector No.	M312
Wire to WIRE	WIRE TO WIRE	BLOWER MOTOR	MO2FW-LC
Connector Type	MO8MW-LC	MO2FW-LC	
			
			
Terminal No.	5	6	1
Color of Wire	Y	Y	Y
Signal Name [Specification]	-	-	-

JCMWA0727GE

A
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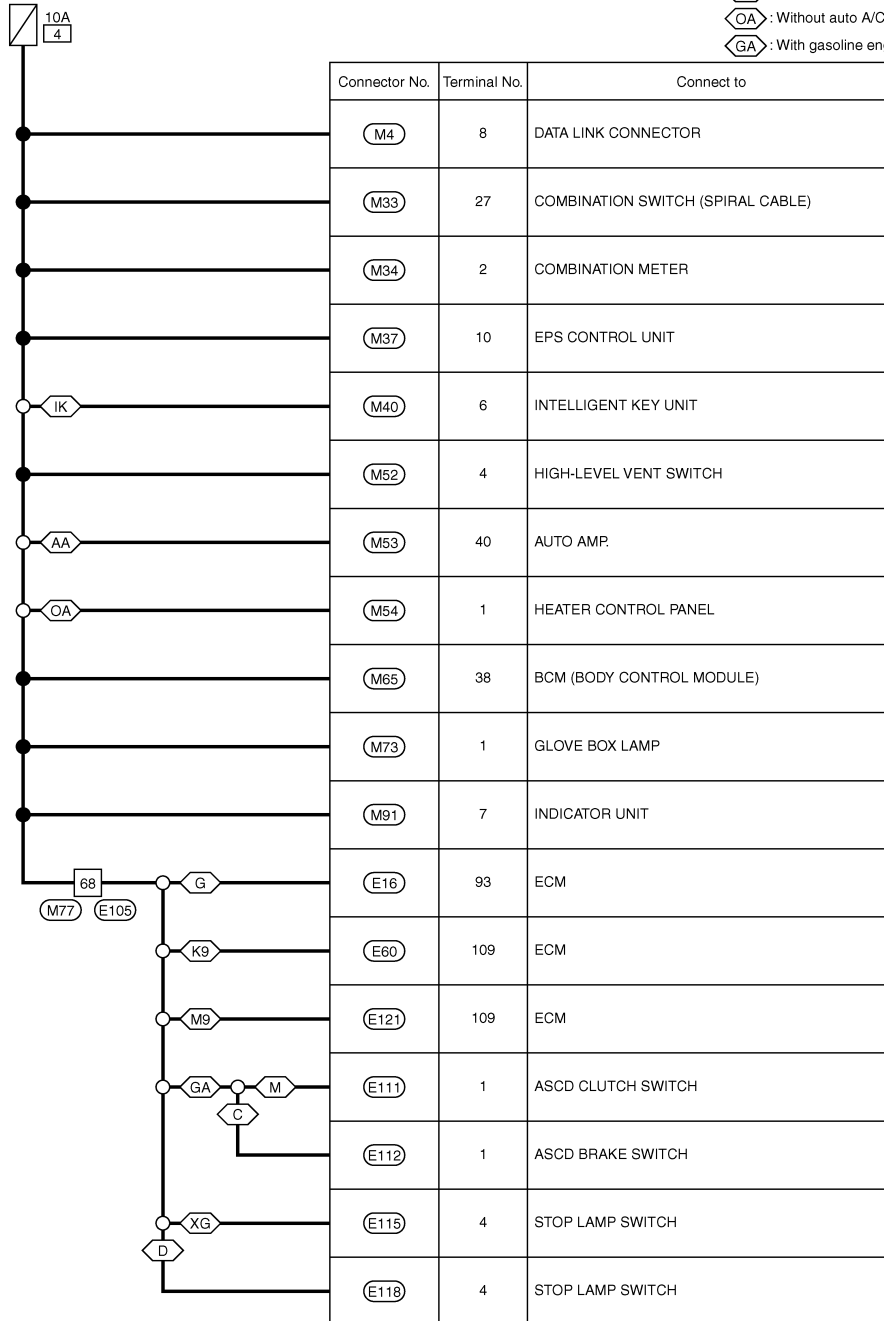
POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY FUSE NO.4

- : With gasoline engine
- : With diesel engine
- : Except gasoline engine M/T models
- : With CVT
- : With M/T
- : With Intelligent Key
- : With auto A/C
- : Without auto A/C
- : With gasoline engine and ASCD



2007/04/27

JCMWA0728Gf

POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< COMPONENT DIAGNOSIS >

IGNITION POWER SUPPLY FUSE NO.4

Connector No. E1B	ECM	MAA2FEF-MEA8-LH		<table border="1"> <tr> <td>Terminal No.</td> <td>Color of Wire</td> <td>Signal Name [Specification]</td> </tr> <tr> <td>93</td> <td>W/L</td> <td>IGN SW</td> </tr> </table>	Terminal No.	Color of Wire	Signal Name [Specification]	93	W/L	IGN SW
Terminal No.	Color of Wire	Signal Name [Specification]								
93	W/L	IGN SW								
Connector No. E18	ECM	MAA2FEF-MEA8-LH		<table border="1"> <tr> <td>Terminal No.</td> <td>Color of Wire</td> <td>Signal Name [Specification]</td> </tr> <tr> <td>109</td> <td>W/L</td> <td>IGN</td> </tr> </table>	Terminal No.	Color of Wire	Signal Name [Specification]	109	W/L	IGN
Terminal No.	Color of Wire	Signal Name [Specification]								
109	W/L	IGN								
Connector No. E105	WIRE TO WIRE	TH80MW-NS16-TM4		<table border="1"> <tr> <td>Terminal No.</td> <td>Color of Wire</td> <td>Signal Name [Specification]</td> </tr> <tr> <td>68</td> <td>W</td> <td>—[Except MBR engine] —[With MBR engine]</td> </tr> </table>	Terminal No.	Color of Wire	Signal Name [Specification]	68	W	—[Except MBR engine] —[With MBR engine]
Terminal No.	Color of Wire	Signal Name [Specification]								
68	W	—[Except MBR engine] —[With MBR engine]								
Connector No. E111	ASCD CLUTCH SWITCH	M02FER-LC		<table border="1"> <tr> <td>Terminal No.</td> <td>Color of Wire</td> <td>Signal Name [Specification]</td> </tr> <tr> <td>1</td> <td>W/L</td> <td>—[With gasoline engine]</td> </tr> </table>	Terminal No.	Color of Wire	Signal Name [Specification]	1	W/L	—[With gasoline engine]
Terminal No.	Color of Wire	Signal Name [Specification]								
1	W/L	—[With gasoline engine]								
Connector No. E112	ASCD BRAKE SWITCH	M02FER-LC		<table border="1"> <tr> <td>Terminal No.</td> <td>Color of Wire</td> <td>Signal Name [Specification]</td> </tr> <tr> <td>1</td> <td>W/L</td> <td>—[With CVT]</td> </tr> </table>	Terminal No.	Color of Wire	Signal Name [Specification]	1	W/L	—[With CVT]
Terminal No.	Color of Wire	Signal Name [Specification]								
1	W/L	—[With CVT]								
Connector No. E115	STOP LAMP SWITCH	M04FW-LC		<table border="1"> <tr> <td>Terminal No.</td> <td>Color of Wire</td> <td>Signal Name [Specification]</td> </tr> <tr> <td>4</td> <td>B</td> <td>—</td> </tr> </table>	Terminal No.	Color of Wire	Signal Name [Specification]	4	B	—
Terminal No.	Color of Wire	Signal Name [Specification]								
4	B	—								
Connector No. E118	STOP LAMP SWITCH	M04FW-LC		<table border="1"> <tr> <td>Terminal No.</td> <td>Color of Wire</td> <td>Signal Name [Specification]</td> </tr> <tr> <td>4</td> <td>W/L</td> <td>—</td> </tr> </table>	Terminal No.	Color of Wire	Signal Name [Specification]	4	W/L	—
Terminal No.	Color of Wire	Signal Name [Specification]								
4	W/L	—								
Connector No. E121	ECM	MAA2FEF-MEA8-LH		<table border="1"> <tr> <td>Terminal No.</td> <td>Color of Wire</td> <td>Signal Name [Specification]</td> </tr> <tr> <td>109</td> <td>W/L</td> <td>IGN</td> </tr> </table>	Terminal No.	Color of Wire	Signal Name [Specification]	109	W/L	IGN
Terminal No.	Color of Wire	Signal Name [Specification]								
109	W/L	IGN								

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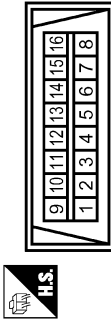
POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY FUSE NO.4

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



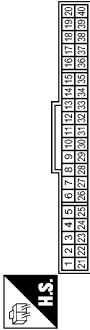
Terminal No.	8	W	—	Signal Name [Specification]
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Connector No.	M33
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TK08FGY-1V



Terminal No.	27	W	—	Signal Name [Specification]
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Connector No.	M34
Connector Name	COMBINATION METER
Connector Type	SAB4QFW



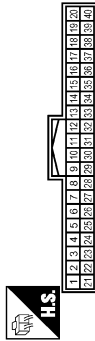
Terminal No.	2	GR	IGN	Signal Name [Specification]
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Connector No.	M37
Connector Name	EPS CONTROL UNIT
Connector Type	Molex 98545-0001



Terminal No.	10	O	IGN	Signal Name [Specification]
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Connector No.	M40
Connector Name	INTELLIGENT KEY UNIT
Connector Type	TH40FW



Terminal No.	6	W	IGN SW	Signal Name [Specification]
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Connector No.	M52
Connector Name	HIGH-LEVEL VENT SWITCH
Connector Type	CINCH 48305EY4M5



Terminal No.	4	GR	—	Signal Name [Specification]
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Connector No.	M53
Connector Name	A/C AUTO AMP.
Connector Type	SAB4QFW



Terminal No.	40	GR	IGN	Signal Name [Specification]
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Connector No.	M54
Connector Name	HEATER CONTROL PANEL
Connector Type	TK20FGY




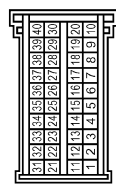



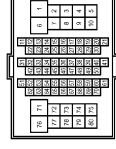


Terminal No.	1	GR	—	Signal Name [Specification]
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POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY FUSE NO.4

Connector No.	M65	Connector No.	M73	Connector No.	M77	Connector No.	M91
Connector Name	BCM (BODY CONTROL MODULE)	Connector Name	GLOVE BOX LAMP	Connector Name	WIRE TO WIRE	Connector Name	INDICATOR UNIT
Connector Type	AAB4DFB	Connector Type	WBS-1008N	Connector Type	TH8DFW-MS16-TM4	Connector Type	TH8DFW-1V
							
Terminal No.	38	Terminal No.	1	Terminal No.	68	Terminal No.	7
Color of Wire	W	Color of Wire	W	Color of Wire	W	Color of Wire	W/L
Signal Name (Specification)	IGN SW	Signal Name (Specification)	-	Signal Name (Specification)	-	Signal Name (Specification)	-

A
B
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PG

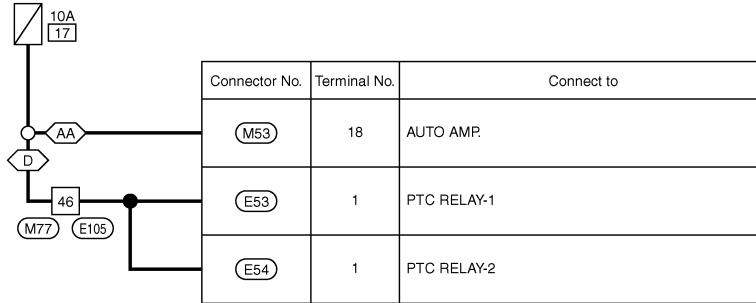
POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY FUSE NO.17

 : With diesel engine
 : With auto A/C



2006/12/08

JCMWA0481GE

POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY FUSE NO.17

Connector No.	E53
Connector Name	PTC RELAY-1
Connector Type	24347 9F500



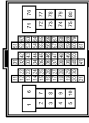
Terminal No.	1	Y	Signal Name [Specification]
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Connector No.	E54
Connector Name	PTC RELAY-2
Connector Type	24347 9F500



Terminal No.	1	Y	Signal Name [Specification]
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Connector No.	E105
Connector Name	WIRE TO WIRE
Connector Type	TH60MF-NS16-TM4



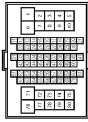
Terminal No.	46	Y	Signal Name [Specification]
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Connector No.	M63
Connector Name	AUTO AMP.
Connector Type	SAB40FW



Terminal No.	18	Y	Signal Name [Specification]
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Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	TH60FW-NS16-TM4



Terminal No.	46	Y	Signal Name [Specification]
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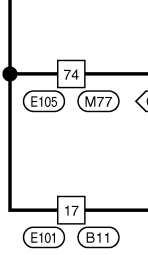
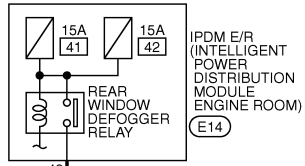
POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY FUSE NO.41,42

AA : With auto A/C
 OA : Without auto A/C



Connector No.	Terminal No.	Connect to
M53	22	AUTO AMP.
M54	19	HEATER CONTROL PANEL
B58	1	REAR WINDOW DEFOGGER

2006/12/08

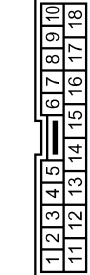


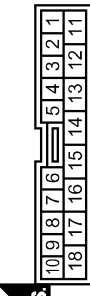

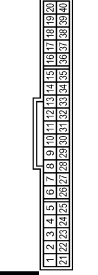
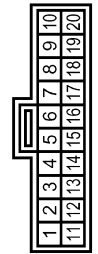

JCMWA0483GE

POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY FUSE NO.41,42

<table border="1"> <tr><td>Connector No.</td><td>B11</td></tr> <tr><td>Connector Name</td><td>WIRE TO WIRE</td></tr> <tr><td>Connector Type</td><td>TK10MW-NS8</td></tr> </table> 	Connector No.	B11	Connector Name	WIRE TO WIRE	Connector Type	TK10MW-NS8	<table border="1"> <tr><td>Terminal No.</td><td>17</td></tr> <tr><td>Color of Wire</td><td>B</td></tr> <tr><td>Signal Name [Specification]</td><td>-</td></tr> </table>	Terminal No.	17	Color of Wire	B	Signal Name [Specification]	-
Connector No.	B11												
Connector Name	WIRE TO WIRE												
Connector Type	TK10MW-NS8												
Terminal No.	17												
Color of Wire	B												
Signal Name [Specification]	-												
<table border="1"> <tr><td>Connector No.</td><td>B58</td></tr> <tr><td>Connector Name</td><td>REAR WINDOW DEFOGGER</td></tr> <tr><td>Connector Type</td><td>P01FB-A</td></tr> </table> 	Connector No.	B58	Connector Name	REAR WINDOW DEFOGGER	Connector Type	P01FB-A	<table border="1"> <tr><td>Terminal No.</td><td>1</td></tr> <tr><td>Color of Wire</td><td>B</td></tr> <tr><td>Signal Name [Specification]</td><td>-</td></tr> </table>	Terminal No.	1	Color of Wire	B	Signal Name [Specification]	-
Connector No.	B58												
Connector Name	REAR WINDOW DEFOGGER												
Connector Type	P01FB-A												
Terminal No.	1												
Color of Wire	B												
Signal Name [Specification]	-												
<table border="1"> <tr><td>Connector No.</td><td>E14</td></tr> <tr><td>Connector Name</td><td>IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)</td></tr> <tr><td>Connector Type</td><td>YZK 7283-5531-40-F</td></tr> </table> 	Connector No.	E14	Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)	Connector Type	YZK 7283-5531-40-F	<table border="1"> <tr><td>Terminal No.</td><td>49</td></tr> <tr><td>Color of Wire</td><td>B</td></tr> <tr><td>Signal Name [Specification]</td><td>- [Except MBR engine] - [With MBR engine]</td></tr> </table>	Terminal No.	49	Color of Wire	B	Signal Name [Specification]	- [Except MBR engine] - [With MBR engine]
Connector No.	E14												
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)												
Connector Type	YZK 7283-5531-40-F												
Terminal No.	49												
Color of Wire	B												
Signal Name [Specification]	- [Except MBR engine] - [With MBR engine]												
<table border="1"> <tr><td>Connector No.</td><td>E101</td></tr> <tr><td>Connector Name</td><td>WIRE TO WIRE</td></tr> <tr><td>Connector Type</td><td>TK10FW-NS8</td></tr> </table> 	Connector No.	E101	Connector Name	WIRE TO WIRE	Connector Type	TK10FW-NS8	<table border="1"> <tr><td>Terminal No.</td><td>17</td></tr> <tr><td>Color of Wire</td><td>G</td></tr> <tr><td>Signal Name [Specification]</td><td>-</td></tr> </table>	Terminal No.	17	Color of Wire	G	Signal Name [Specification]	-
Connector No.	E101												
Connector Name	WIRE TO WIRE												
Connector Type	TK10FW-NS8												
Terminal No.	17												
Color of Wire	G												
Signal Name [Specification]	-												
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Connector No.	E105												
Connector Name	WIRE TO WIRE												
Connector Type	TH63MW-NS16-TM4												
Terminal No.	74												
Color of Wire	G												
Signal Name [Specification]	-												
<table border="1"> <tr><td>Connector No.</td><td>M53</td></tr> <tr><td>Connector Name</td><td>AUTO AMP.</td></tr> <tr><td>Connector Type</td><td>SAB4QFW</td></tr> </table> 	Connector No.	M53	Connector Name	AUTO AMP.	Connector Type	SAB4QFW	<table border="1"> <tr><td>Terminal No.</td><td>22</td></tr> <tr><td>Color of Wire</td><td>R</td></tr> <tr><td>Signal Name [Specification]</td><td>RR/DEF F/B</td></tr> </table>	Terminal No.	22	Color of Wire	R	Signal Name [Specification]	RR/DEF F/B
Connector No.	M53												
Connector Name	AUTO AMP.												
Connector Type	SAB4QFW												
Terminal No.	22												
Color of Wire	R												
Signal Name [Specification]	RR/DEF F/B												
<table border="1"> <tr><td>Connector No.</td><td>M54</td></tr> <tr><td>Connector Name</td><td>HEATER CONTROL PANEL</td></tr> <tr><td>Connector Type</td><td>TK20FGY</td></tr> </table> 	Connector No.	M54	Connector Name	HEATER CONTROL PANEL	Connector Type	TK20FGY	<table border="1"> <tr><td>Terminal No.</td><td>19</td></tr> <tr><td>Color of Wire</td><td>R</td></tr> <tr><td>Signal Name [Specification]</td><td>RR/DEF F/B</td></tr> </table>	Terminal No.	19	Color of Wire	R	Signal Name [Specification]	RR/DEF F/B
Connector No.	M54												
Connector Name	HEATER CONTROL PANEL												
Connector Type	TK20FGY												
Terminal No.	19												
Color of Wire	R												
Signal Name [Specification]	RR/DEF F/B												
<table border="1"> <tr><td>Connector No.</td><td>M77</td></tr> <tr><td>Connector Name</td><td>WIRE TO WIRE</td></tr> <tr><td>Connector Type</td><td>TH63FW-NS16-TM4</td></tr> </table> 	Connector No.	M77	Connector Name	WIRE TO WIRE	Connector Type	TH63FW-NS16-TM4	<table border="1"> <tr><td>Terminal No.</td><td>74</td></tr> <tr><td>Color of Wire</td><td>R</td></tr> <tr><td>Signal Name [Specification]</td><td>-</td></tr> </table>	Terminal No.	74	Color of Wire	R	Signal Name [Specification]	-
Connector No.	M77												
Connector Name	WIRE TO WIRE												
Connector Type	TH63FW-NS16-TM4												
Terminal No.	74												
Color of Wire	R												
Signal Name [Specification]	-												

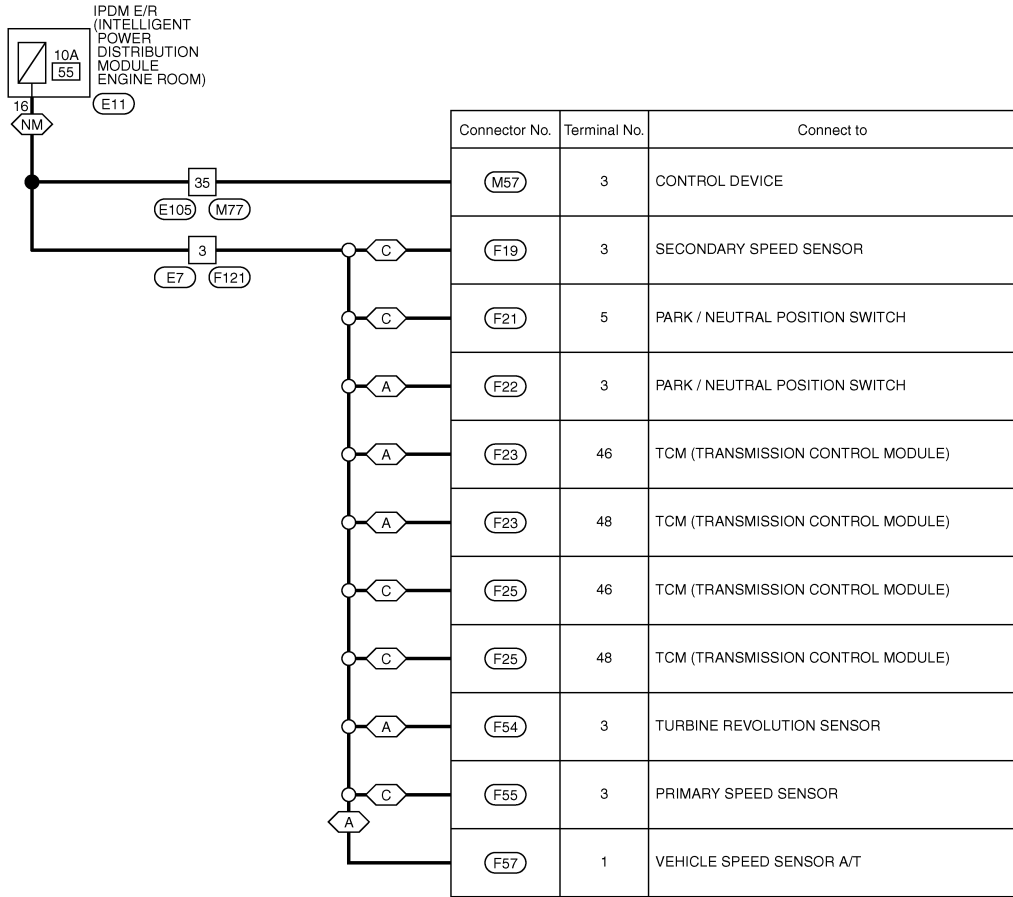
POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY FUSE NO.55

A : With A/T
C : With CVT
NM : Except M/T



2007/04/27



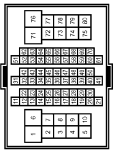


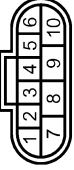
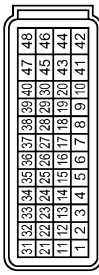

JCMWA0734GE

POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< COMPONENT DIAGNOSIS >

IGNITION POWER SUPPLY FUSE NO.55

<table border="1"> <tr><td>Connector No.</td><td>E7</td></tr> <tr><td>Connector Name</td><td>WIRE TO WIRE</td></tr> <tr><td>Connector Type</td><td>NS15MW-CS</td></tr> </table>  <table border="1"> <tr><td>Terminal No.</td><td>3</td><td>Color of Wire</td><td>Y/R</td><td>Signal Name [Specification]</td><td>-</td></tr> </table>	Connector No.	E7	Connector Name	WIRE TO WIRE	Connector Type	NS15MW-CS	Terminal No.	3	Color of Wire	Y/R	Signal Name [Specification]	-	<table border="1"> <tr><td>Connector No.</td><td>E11</td></tr> <tr><td>Connector Name</td><td>IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)</td></tr> <tr><td>Connector Type</td><td>NS12FBR-CS</td></tr> </table>  <table border="1"> <tr><td>Terminal No.</td><td>16</td><td>Color of Wire</td><td>Y/R</td><td>Signal Name [Specification]</td><td>-</td></tr> </table>	Connector No.	E11	Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)	Connector Type	NS12FBR-CS	Terminal No.	16	Color of Wire	Y/R	Signal Name [Specification]	-	<table border="1"> <tr><td>Connector No.</td><td>E105</td></tr> <tr><td>Connector Name</td><td>WIRE TO WIRE</td></tr> <tr><td>Connector Type</td><td>TH50MW-NS16-TM4</td></tr> </table>  <table border="1"> <tr><td>Terminal No.</td><td>35</td><td>Color of Wire</td><td>Y/R</td><td>Signal Name [Specification]</td><td>-</td></tr> </table>	Connector No.	E105	Connector Name	WIRE TO WIRE	Connector Type	TH50MW-NS16-TM4	Terminal No.	35	Color of Wire	Y/R	Signal Name [Specification]	-	<table border="1"> <tr><td>Connector No.</td><td>F19</td></tr> <tr><td>Connector Name</td><td>SECONDARY SPEED SENSOR</td></tr> <tr><td>Connector Type</td><td>RV03FB</td></tr> </table>  <table border="1"> <tr><td>Terminal No.</td><td>3</td><td>Color of Wire</td><td>Y</td><td>Signal Name [Specification]</td><td>-</td></tr> </table>	Connector No.	F19	Connector Name	SECONDARY SPEED SENSOR	Connector Type	RV03FB	Terminal No.	3	Color of Wire	Y	Signal Name [Specification]	-												
Connector No.	E7																																																														
Connector Name	WIRE TO WIRE																																																														
Connector Type	NS15MW-CS																																																														
Terminal No.	3	Color of Wire	Y/R	Signal Name [Specification]	-																																																										
Connector No.	E11																																																														
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)																																																														
Connector Type	NS12FBR-CS																																																														
Terminal No.	16	Color of Wire	Y/R	Signal Name [Specification]	-																																																										
Connector No.	E105																																																														
Connector Name	WIRE TO WIRE																																																														
Connector Type	TH50MW-NS16-TM4																																																														
Terminal No.	35	Color of Wire	Y/R	Signal Name [Specification]	-																																																										
Connector No.	F19																																																														
Connector Name	SECONDARY SPEED SENSOR																																																														
Connector Type	RV03FB																																																														
Terminal No.	3	Color of Wire	Y	Signal Name [Specification]	-																																																										
<table border="1"> <tr><td>Connector No.</td><td>F21</td></tr> <tr><td>Connector Name</td><td>PARK/NEUTRAL POSITION SWITCH</td></tr> <tr><td>Connector Type</td><td>RK08FG</td></tr> </table>  <table border="1"> <tr><td>Terminal No.</td><td>5</td><td>Color of Wire</td><td>Y/R</td><td>Signal Name [Specification]</td><td>-</td></tr> </table>	Connector No.	F21	Connector Name	PARK/NEUTRAL POSITION SWITCH	Connector Type	RK08FG	Terminal No.	5	Color of Wire	Y/R	Signal Name [Specification]	-	<table border="1"> <tr><td>Connector No.</td><td>F22</td></tr> <tr><td>Connector Name</td><td>PARK/NEUTRAL POSITION SWITCH</td></tr> <tr><td>Connector Type</td><td>YD08FB-HS4</td></tr> </table>  <table border="1"> <tr><td>Terminal No.</td><td>3</td><td>Color of Wire</td><td>Y/R</td><td>Signal Name [Specification]</td><td>VIGN</td></tr> </table>	Connector No.	F22	Connector Name	PARK/NEUTRAL POSITION SWITCH	Connector Type	YD08FB-HS4	Terminal No.	3	Color of Wire	Y/R	Signal Name [Specification]	VIGN	<table border="1"> <tr><td>Connector No.</td><td>F23</td></tr> <tr><td>Connector Name</td><td>TCM (TRANSMISSION CONTROL MODULE)</td></tr> <tr><td>Connector Type</td><td>MOLEX 500894-4111</td></tr> </table>  <table border="1"> <tr><td>Terminal No.</td><td>46</td><td>Color of Wire</td><td>Y/R</td><td>Signal Name [Specification]</td><td>VIGN</td></tr> <tr><td>Terminal No.</td><td>48</td><td>Color of Wire</td><td>Y/R</td><td>Signal Name [Specification]</td><td>VIGN</td></tr> </table>	Connector No.	F23	Connector Name	TCM (TRANSMISSION CONTROL MODULE)	Connector Type	MOLEX 500894-4111	Terminal No.	46	Color of Wire	Y/R	Signal Name [Specification]	VIGN	Terminal No.	48	Color of Wire	Y/R	Signal Name [Specification]	VIGN	<table border="1"> <tr><td>Connector No.</td><td>F25</td></tr> <tr><td>Connector Name</td><td>TCM (TRANSMISSION CONTROL MODULE)</td></tr> <tr><td>Connector Type</td><td>MOLEX 500894-4111</td></tr> </table>  <table border="1"> <tr><td>Terminal No.</td><td>46</td><td>Color of Wire</td><td>Y/R</td><td>Signal Name [Specification]</td><td>VIGN</td></tr> <tr><td>Terminal No.</td><td>48</td><td>Color of Wire</td><td>Y/R</td><td>Signal Name [Specification]</td><td>VIGN</td></tr> </table>	Connector No.	F25	Connector Name	TCM (TRANSMISSION CONTROL MODULE)	Connector Type	MOLEX 500894-4111	Terminal No.	46	Color of Wire	Y/R	Signal Name [Specification]	VIGN	Terminal No.	48	Color of Wire	Y/R	Signal Name [Specification]	VIGN
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Terminal No.	46	Color of Wire	Y/R	Signal Name [Specification]	VIGN																																																										
Terminal No.	48	Color of Wire	Y/R	Signal Name [Specification]	VIGN																																																										

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POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY FUSE NO.55

Connector No.	F54
Connector Name	TURBINE REVOLUTION SENSOR
Connector Type	RKQ3FB



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

Connector No.	F55
Connector Name	PRIMARY SPEED SENSOR
Connector Type	RVQ3FB



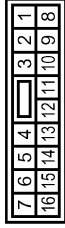
Terminal No.	3	Y/R	-
Color of Wire			
Signal Name [Specification]			

Connector No.	F57
Connector Name	VEHICLE SPEED SENSOR A/T
Connector Type	RKQ3FB



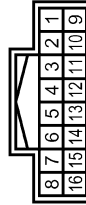
Terminal No.	1	Y/R	VIGN
Color of Wire			
Signal Name [Specification]			

Connector No.	F121
Connector Name	WIRE TO WIRE
Connector Type	NS18FW-OS



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

Connector No.	M67
Connector Name	CONTROL DEVICE
Connector Type	TH18FW



Terminal No.	3	Y	SHIFT LOCK SOL/PARK SW
Color of Wire			
Signal Name [Specification]			

Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	TH63FW-NS16-TM4




Terminal No.	35	Y	-
Color of Wire			
Signal Name [Specification]			

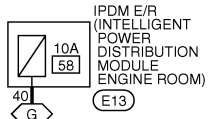
POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY FUSE NO.58

 : With gasoline engine



Connector No.	Terminal No.	Connect to
F37	1	FUEL INJECTOR NO.1
F38	1	FUEL INJECTOR NO.2
F39	1	FUEL INJECTOR NO.3
F40	1	FUEL INJECTOR NO.4

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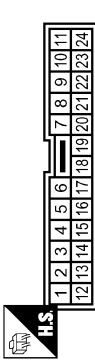
POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

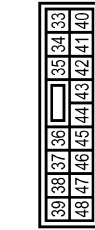
[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY FUSE NO.58

Connector No.	E6
Connector Name	WIRE TO WIRE
Connector Type	TKZ4MW-1V



Connector No.	E13
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	NS18FW-CS



Connector No.	F37
Connector Name	FUEL INJECTOR NO.1
Connector Type	HS02FGY



Connector No.	F38
Connector Name	FUEL INJECTOR NO.2
Connector Type	HS02FGY



Terminal No.	5	SB	Color of Wire	SB	Signal Name [Specification]	- [Except: MBR engine]
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Terminal No.	40	BR.Y	Color of Wire	SB	Signal Name [Specification]	- [With MR engine] - [With HR engine]
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Terminal No.	1	SB	Color of Wire	SB	Signal Name [Specification]	-
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Terminal No.	1	SB	Color of Wire	SB	Signal Name [Specification]	-
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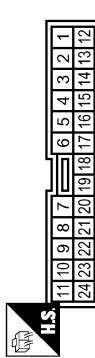
Connector No.	F39
Connector Name	FUEL INJECTOR NO.3
Connector Type	HS02FGY



Connector No.	F40
Connector Name	FUEL INJECTOR NO.4
Connector Type	HS02FGY



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



Terminal No.	1	SB	Color of Wire	SB	Signal Name [Specification]	-
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Terminal No.	1	SB	Color of Wire	SB	Signal Name [Specification]	-
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Terminal No.	5	SB	Color of Wire	SB	Signal Name [Specification]	- [Except: MBR engine]
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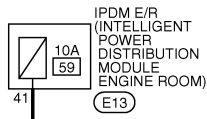
POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IGNITION POWER SUPPLY FUSE NO.59

- ◊4W◊ : 4WD models
- ◊ES◊ : With ESP
- ◊OE◊ : Without ESP



Connector No.	Terminal No.	Connect to
M30	1	STEERING ANGLE SENSOR
M69	7	4WD CONTROL UNIT
M72	4	YAW RATE SENSOR
E34	18	ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT)
E36	18	ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT)

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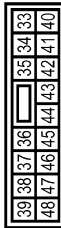
POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

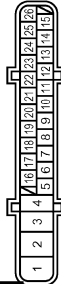
IGNITION POWER SUPPLY FUSE NO.59

Connector No.	E13
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	NS18FW-CS



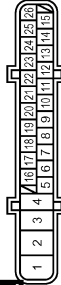
Terminal No.	41	Color of Wire	P	Signal Name [Specification]	-
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Connector No.	E34
Connector Name	ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT)
Connector Type	BAA2ZFB-AH24-LH



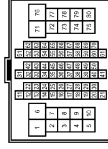
Terminal No.	18	Color of Wire	P	Signal Name [Specification]	IGN
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Connector No.	E38
Connector Name	ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT)
Connector Type	BAA2ZFB-AH24-LH



Terminal No.	18	Color of Wire	P	Signal Name [Specification]	IGN
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Connector No.	E105
Connector Name	WIRE TO WIRE
Connector Type	TH60MW-NS16-TM4



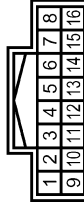
Terminal No.	38	Color of Wire	P	Signal Name [Specification]	-
	53	Color of Wire	P	Signal Name [Specification]	-

Connector No.	M30
Connector Name	STEERING ANGLE SENSOR
Connector Type	TH08FW



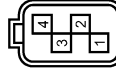
Terminal No.	1	Color of Wire	W/L	Signal Name [Specification]	IGN SAS
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Connector No.	M69
Connector Name	AWD CONTROL UNIT
Connector Type	TH18FW



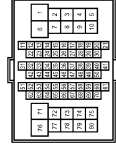
Terminal No.	7	Color of Wire	P	Signal Name [Specification]	IGN
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Connector No.	M72
Connector Name	YAW RATE SENSOR
Connector Type	AA204FB



Terminal No.	4	Color of Wire	P	Signal Name [Specification]	IGN(YRS)
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Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	TH60FW-NS16-TM4



Terminal No.	38	Color of Wire	P	Signal Name [Specification]	-
	53	Color of Wire	P	Signal Name [Specification]	-

POWER SUPPLY ROUTING CIRCUIT

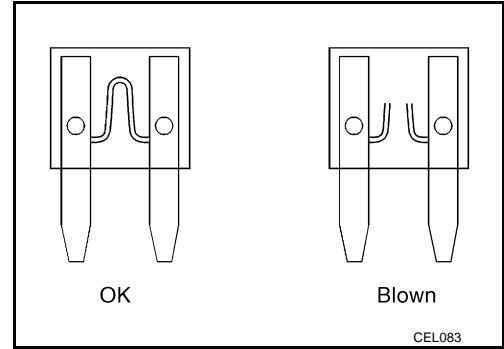
< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Fuse

INFOID:000000001191228

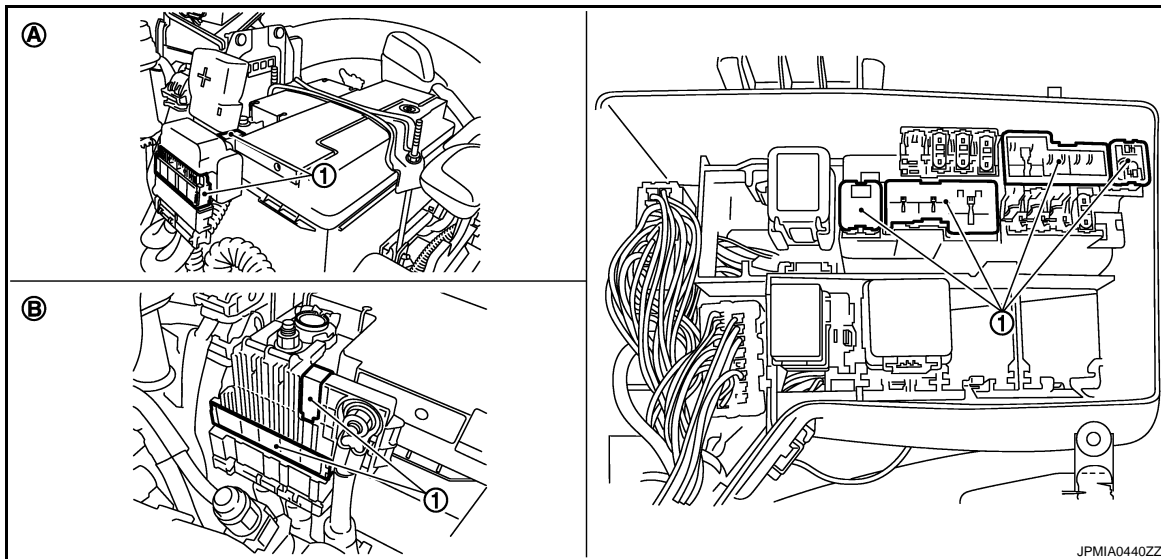
- If fuse is blown, be sure to eliminate cause of malfunction before installing new fuse.
- Use fuse of specified rating. Never use fuse of more than specified rating.
- Do not partially install fuse; always insert it into fuse holder properly.
- Remove fuse for "ELECTRICAL PARTS (BAT)" if vehicle is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



Fusible Link

INFOID:000000001191230

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

A. Gasoline engine models

B. Diesel engine models

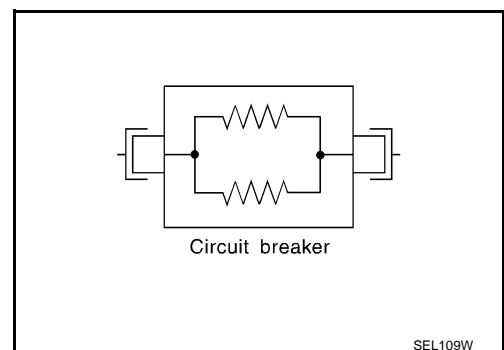
CAUTION:

- 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:000000001191230

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]

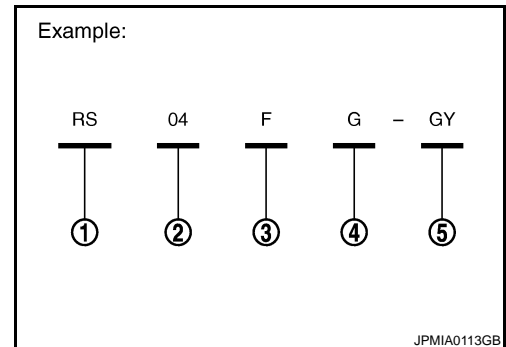
HARNESS LAYOUT

LHD

LHD : How To Read Harness Layout

INFOID:000000001191231

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



CONNECTOR SYMBOL

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

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

JPMIA0114GB

HARNESS LAYOUT

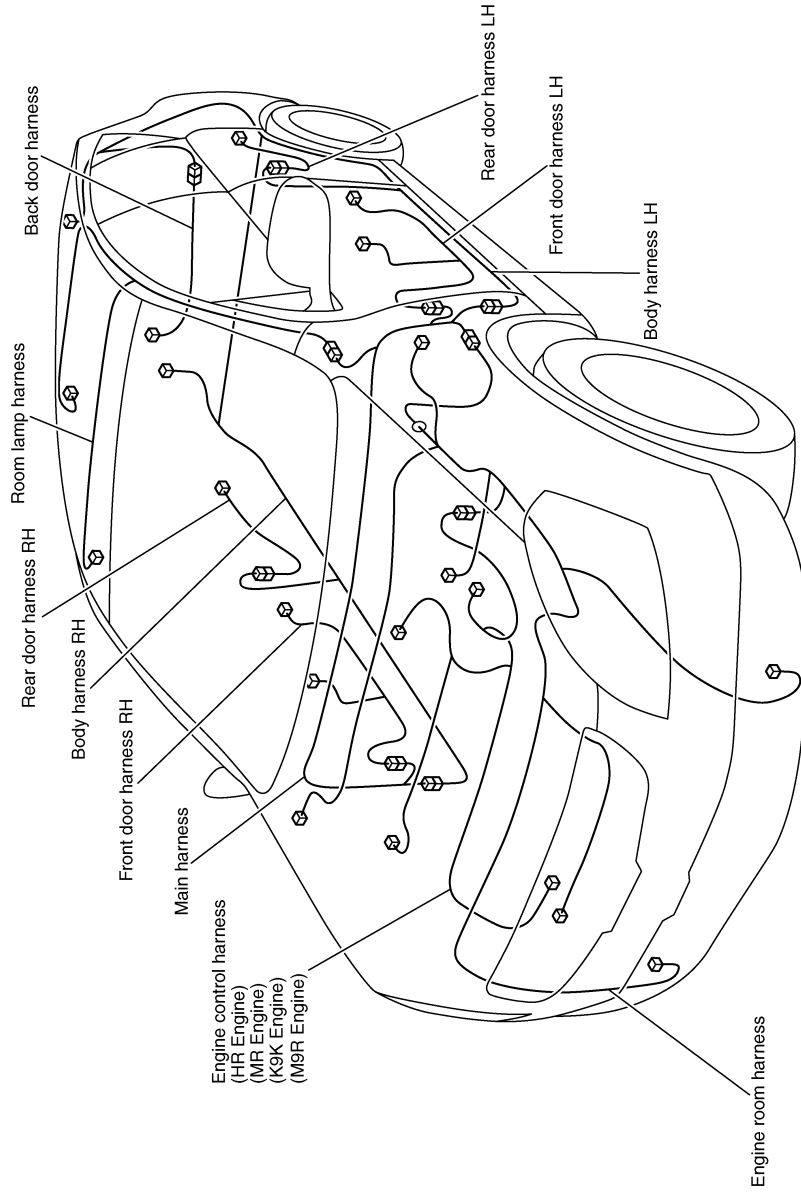
< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

LHD : Outline

INFOID:000000001191232

Outline (LHD MODELS)



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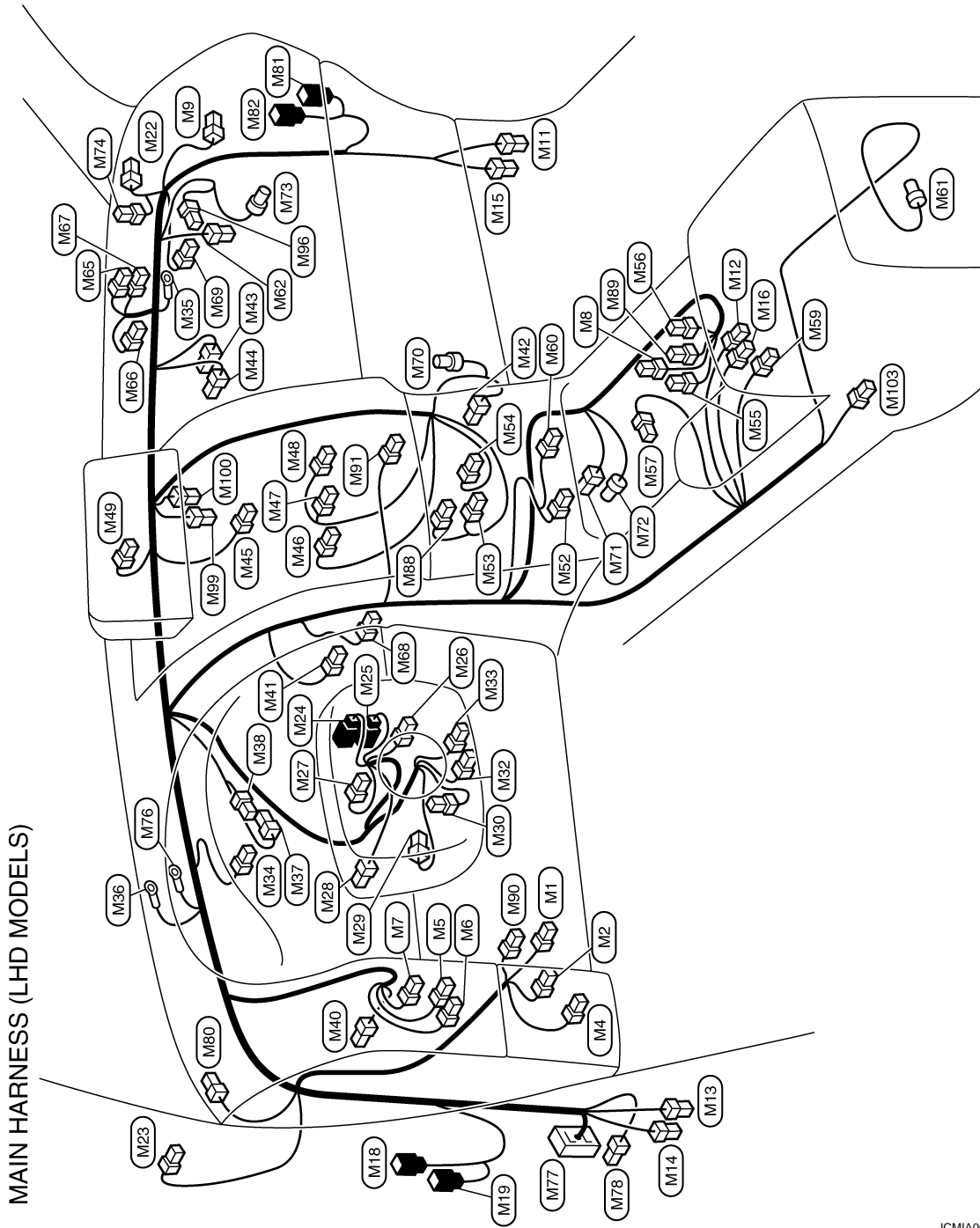
HARNESS LAYOUT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

LHD : Main Harness

INFOID:000000001191233



2006/12/06

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HARNESS LAYOUT

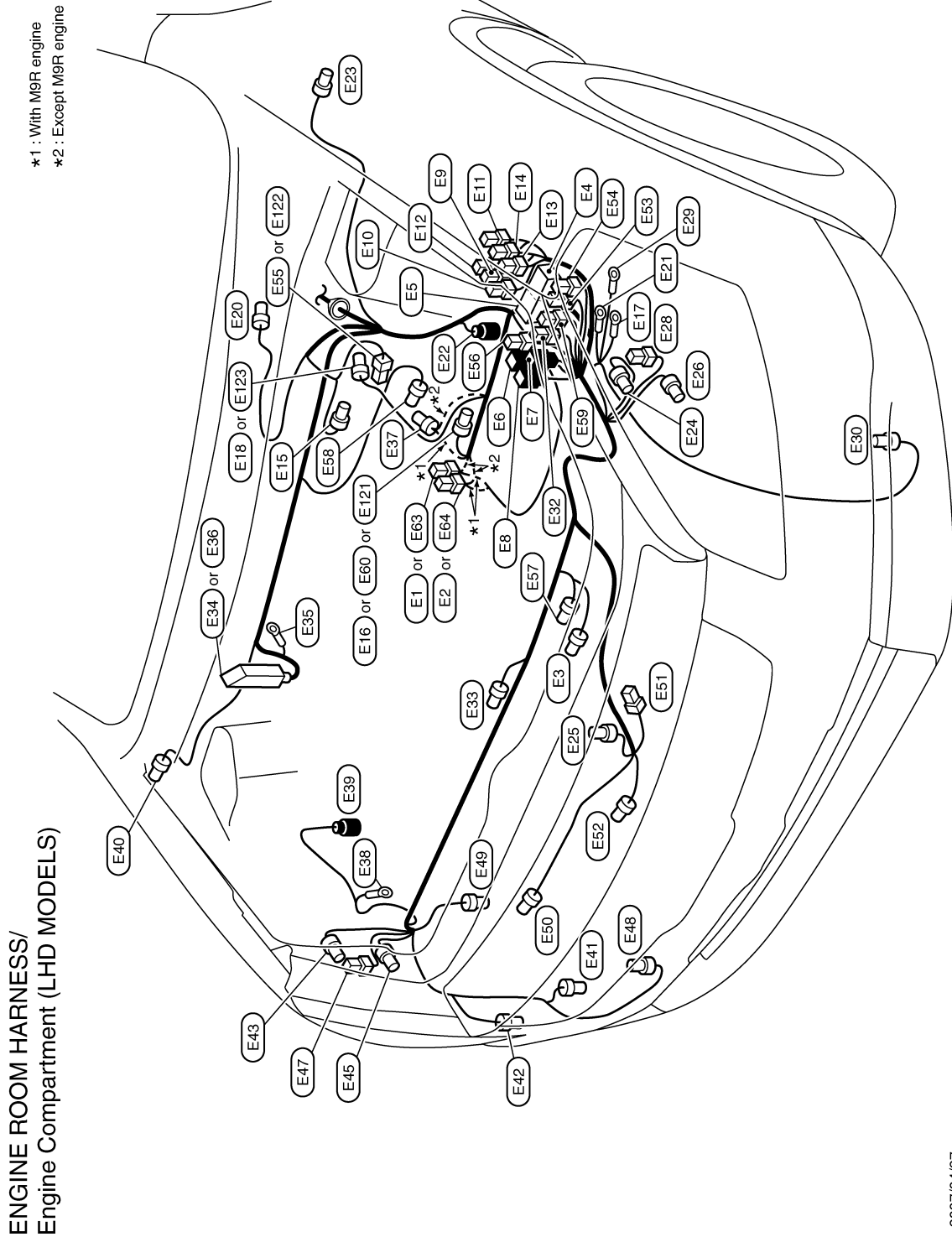
< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

LHD : Engine Room Harness

INFOID:000000001191234

ENGINE COMPARTMENT



ENGINE ROOM HARNESS/
Engine Compartment (LHD MODELS)

*1 : With M9R engine
*2 : Except M9R engine

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2007/04/27

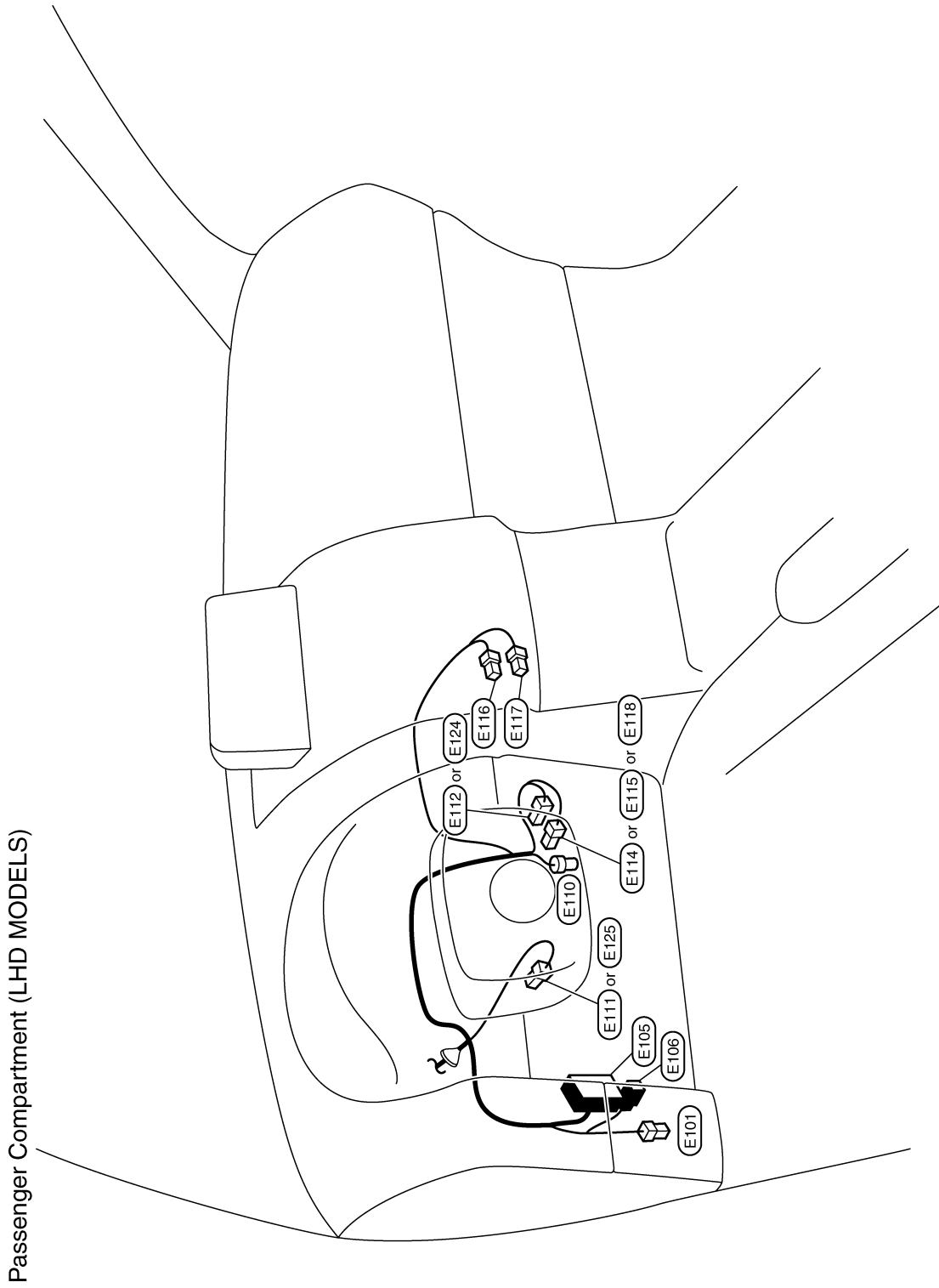
JCMIA0155GB

HARNES LAYOUT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

PASSENGER COMPARTMENT



Passenger Compartment (LHD MODELS)

2007/04/27

JCMIA0156GB

HARNES LAYOUT

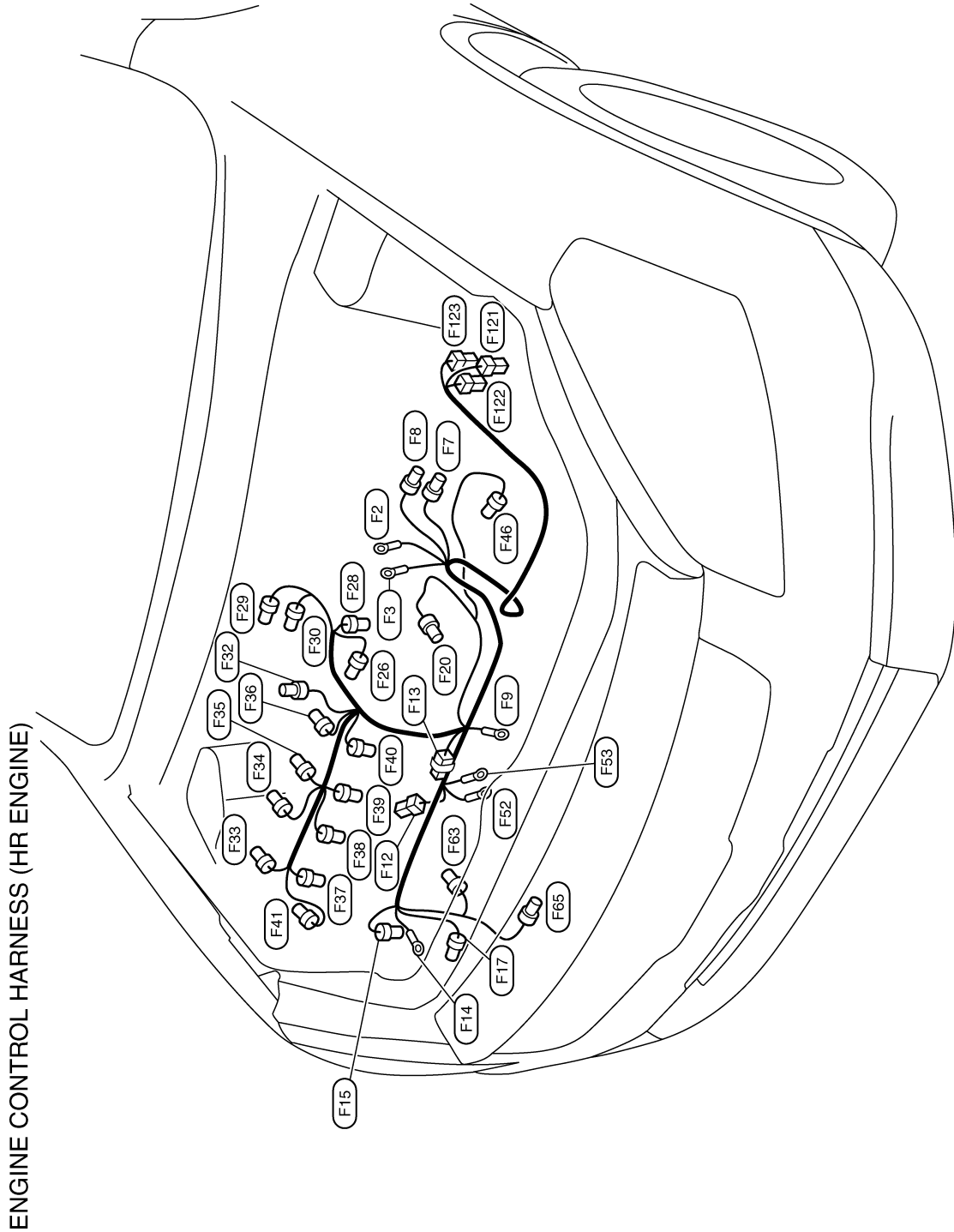
< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

LHD : Engine Control Harness

INFOID:000000001191235

HR ENGINE



ENGINE CONTROL HARNESS (HR ENGINE)

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2007/04/27

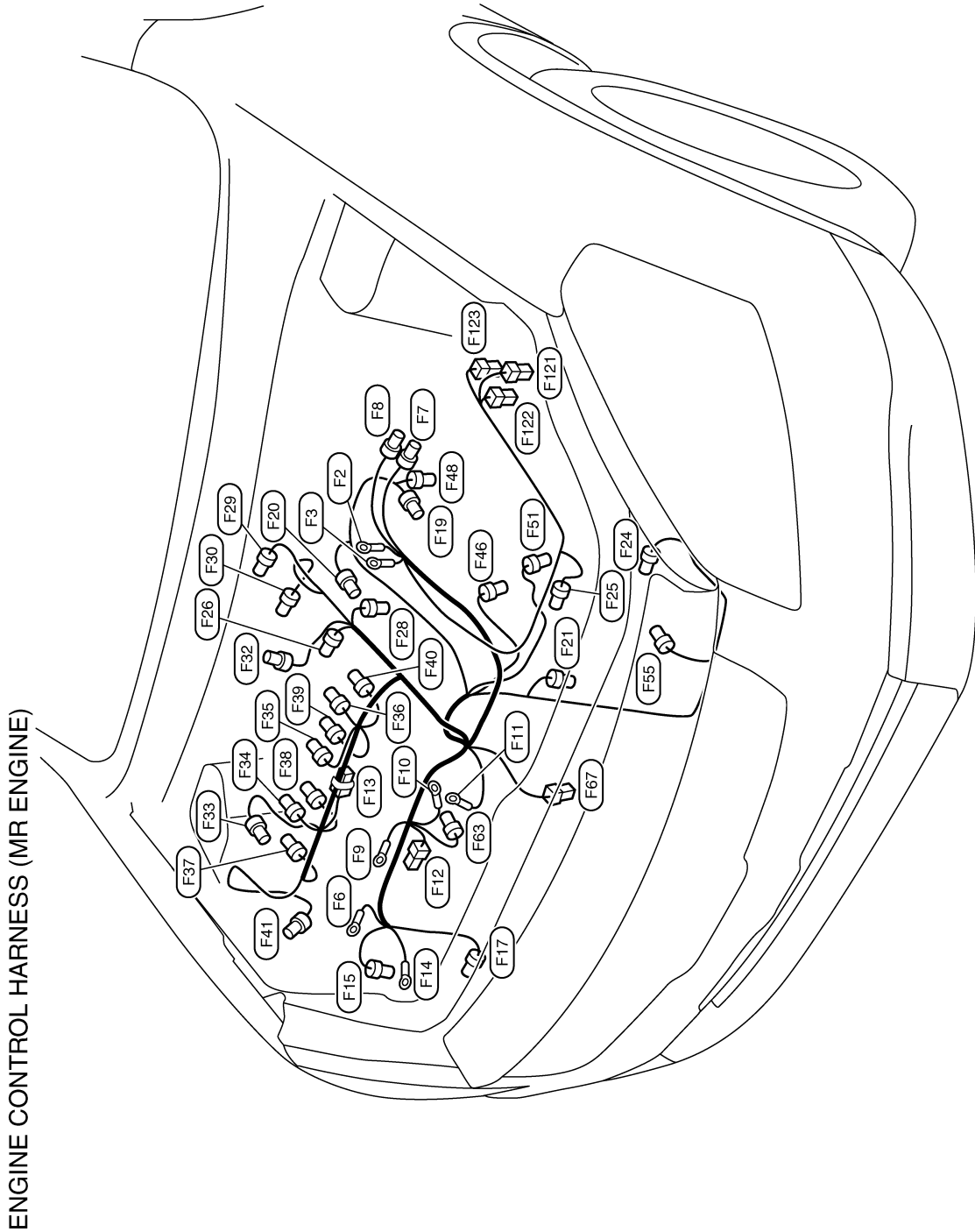
JCMIA0159GB

HARNES LAYOUT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

MR ENGINE



2007/04/27

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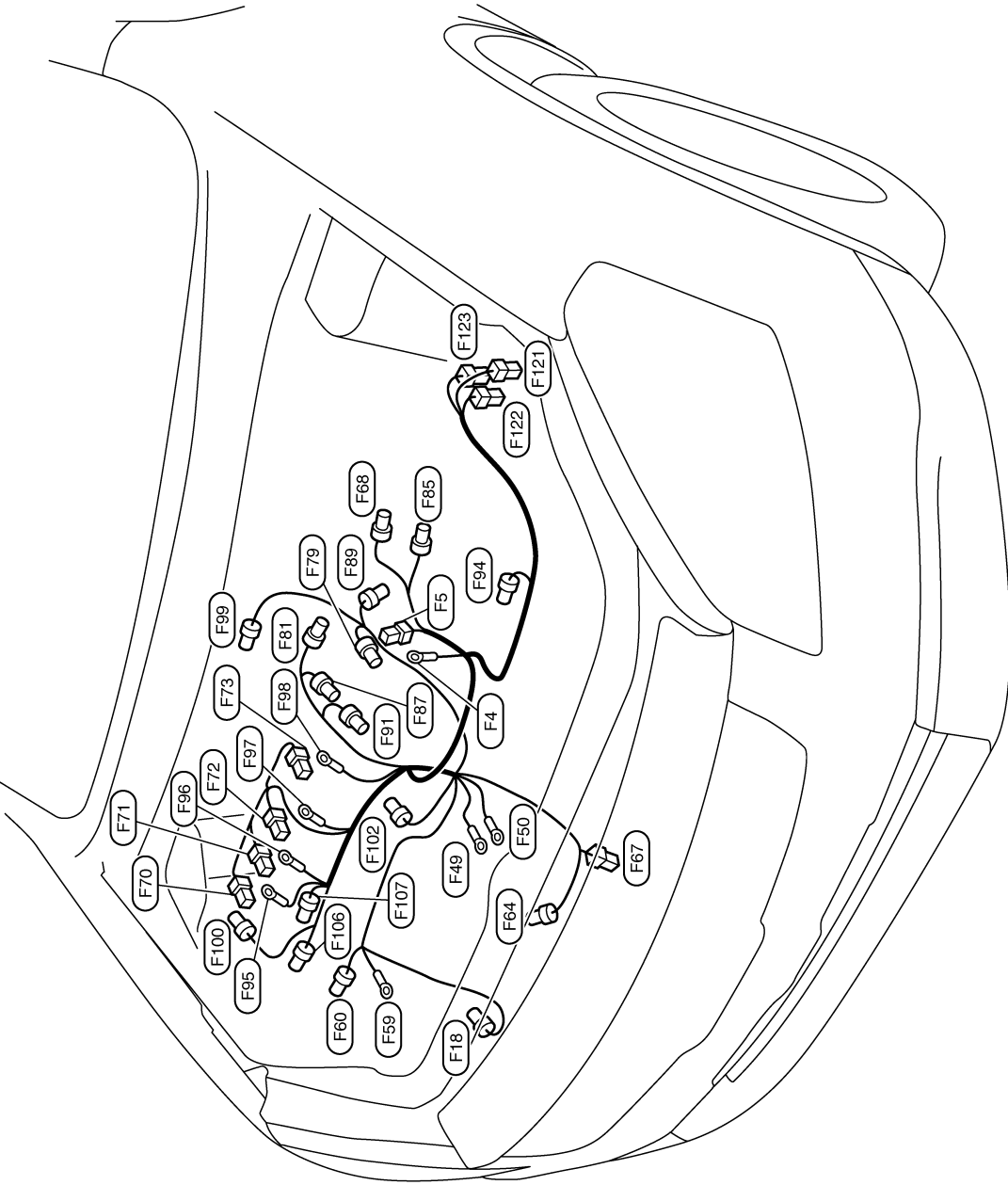
HARNESS LAYOUT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

K9K ENGINE

ENGINE CONTROL HARNESS (K9K ENGINE)



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2007/04/27

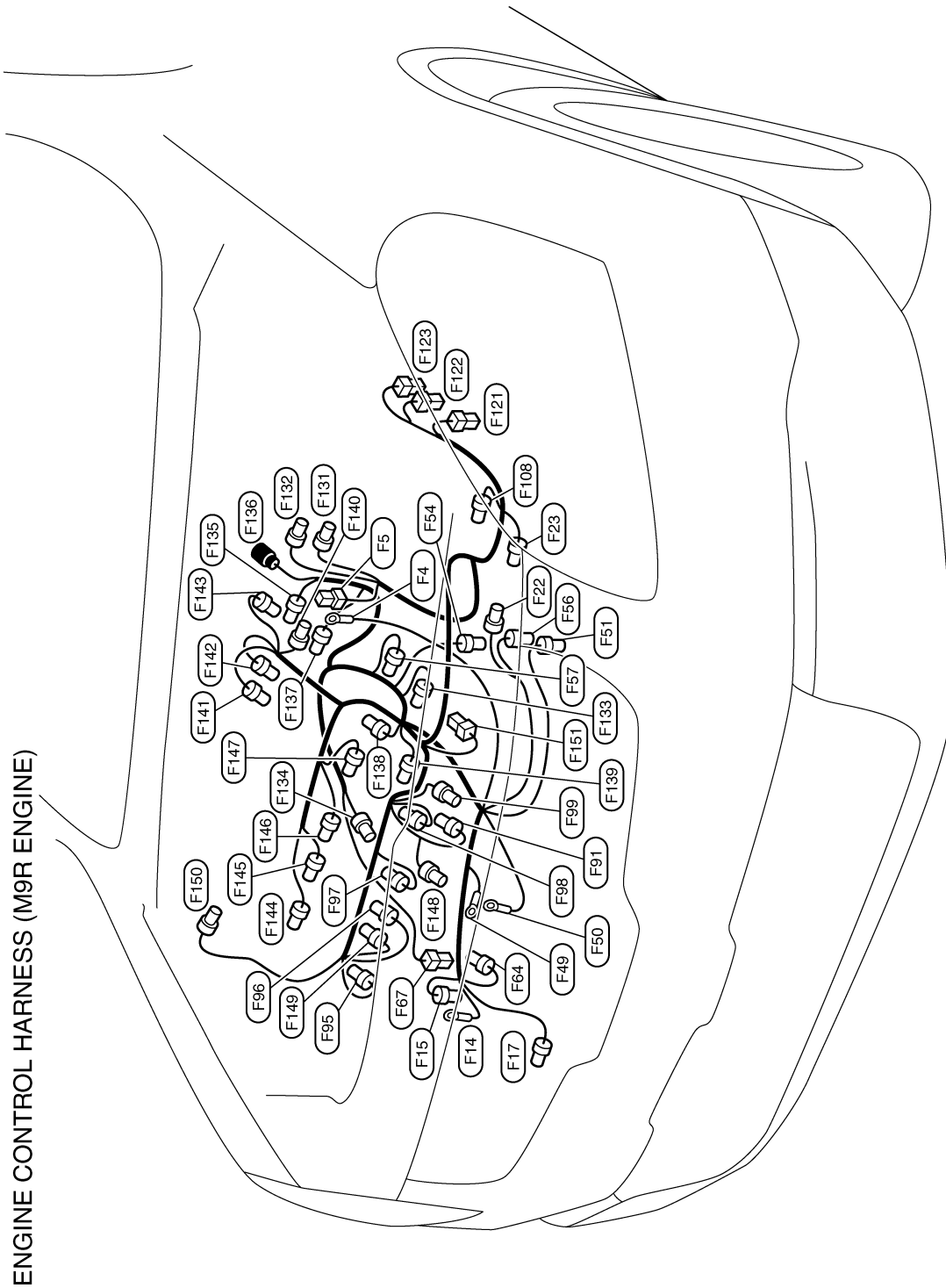
JCMIA0161GB

HARNES LAYOUT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

M9R ENGINE



2007/04/27

JCMIA0162GB

HARNES LAYOUT

< COMPONENT DIAGNOSIS >

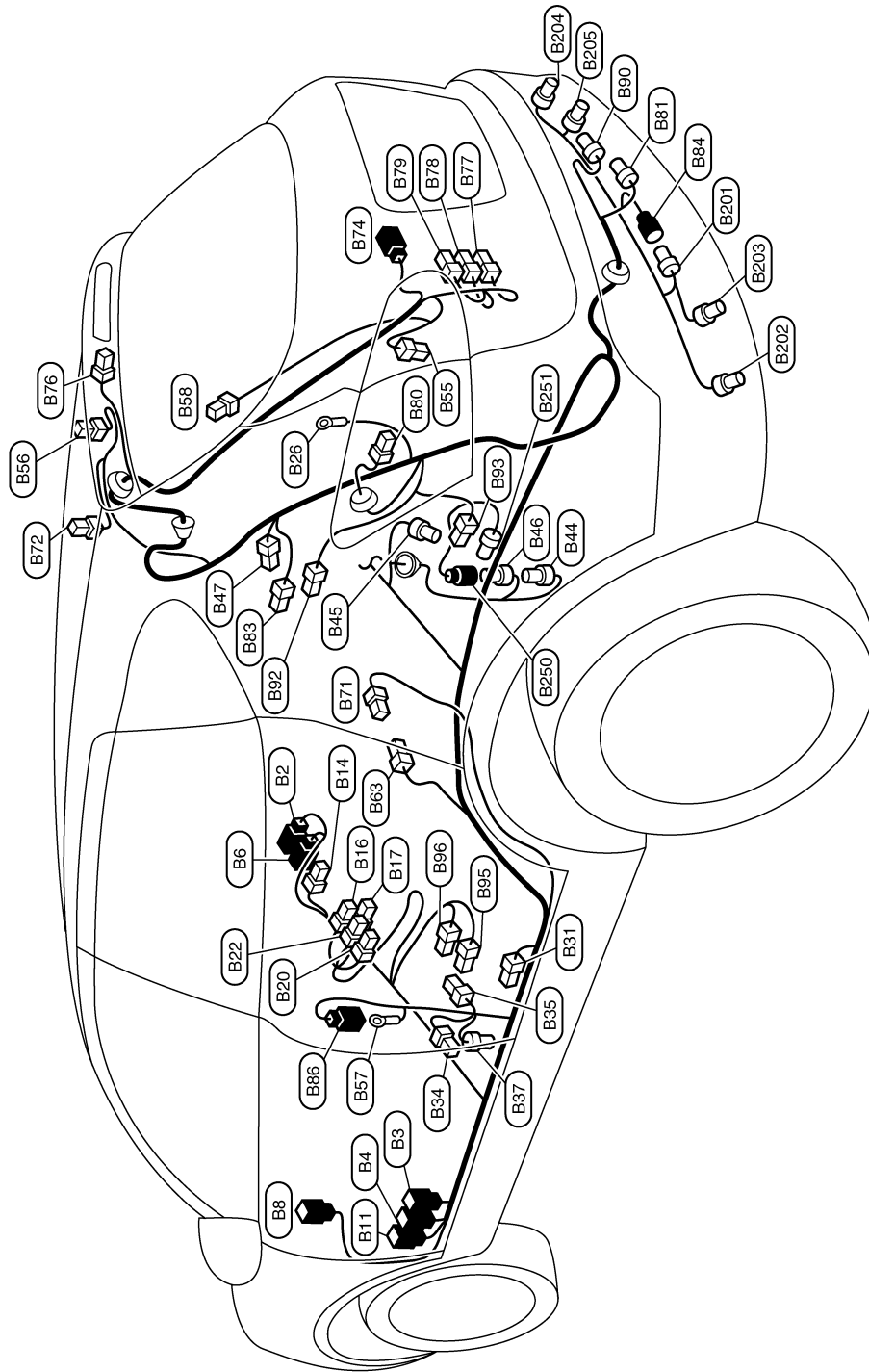
[POWER SUPPLY & GROUND CIRCUIT]

LHD : Body Harness

INFOID:000000001191236

LH SIDE

BODY HARNESS LH (LHD MODELS)



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2007/04/27

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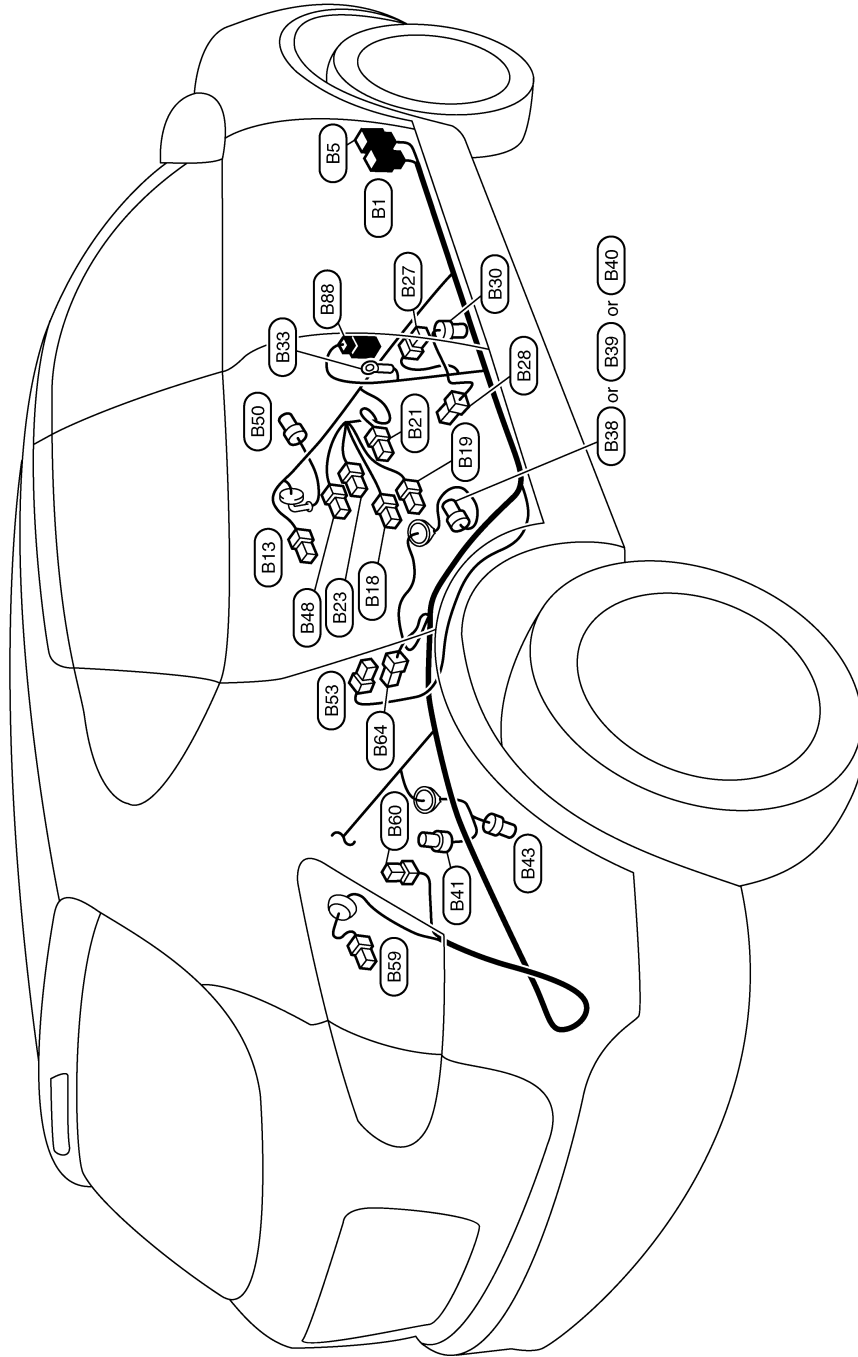
HARNES LAYOUT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

RH SIDE

BODY HARNES RH (LHD MODELS)



2007/04/27

JCMIA0163GB

HARNES LAYOUT

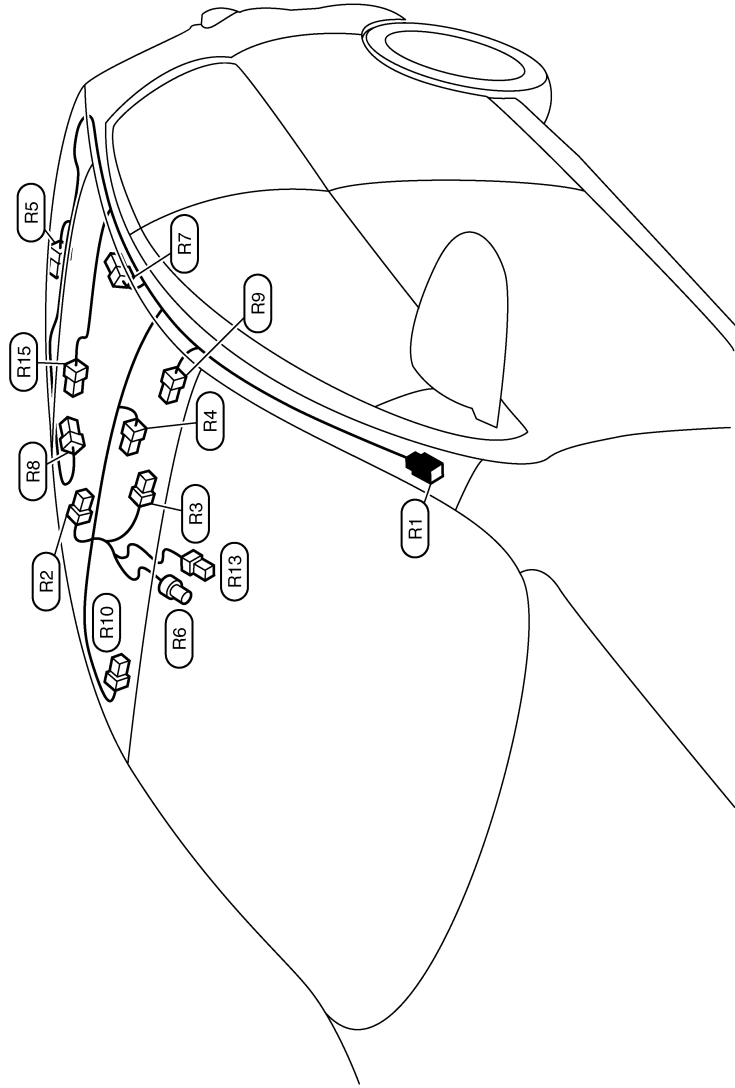
< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

LHD : Room Lamp Harness

INFOID:000000001191237

ROOM LAMP HARNESS (LHD MODELS)



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2006/12/06

JCMIA0102GB

HARNES LAYOUT

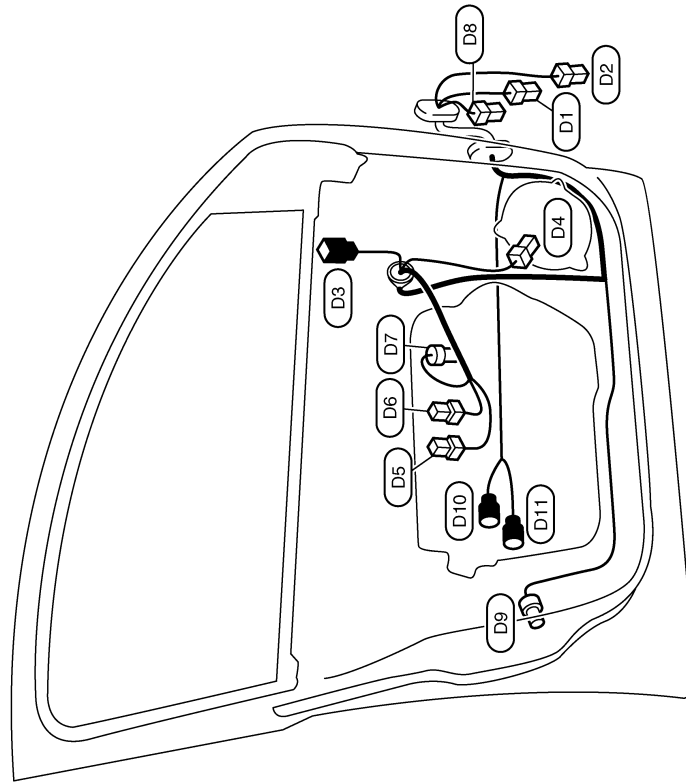
< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

LHD : Front Door Harness

INFOID:000000001191238

LH SIDE



FRONT DOOR HARNESS LH (LHD MODELS)

2006/12/06

JCMIA0104GB

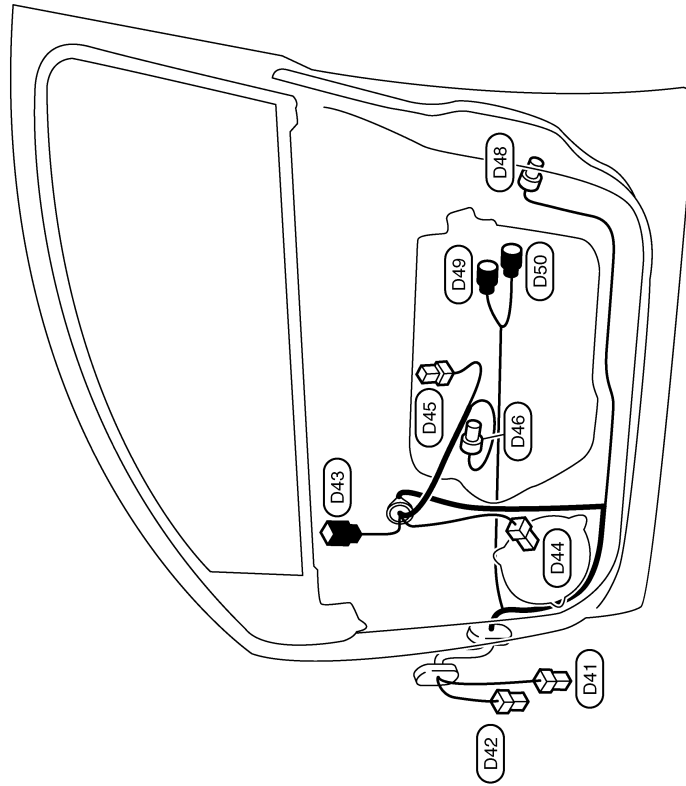
HARNES LAYOUT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

RH SIDE

FRONT DOOR HARNES RH (LHD MODELS)



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2006/12/06

JCMIA0105GB

HARNES LAYOUT

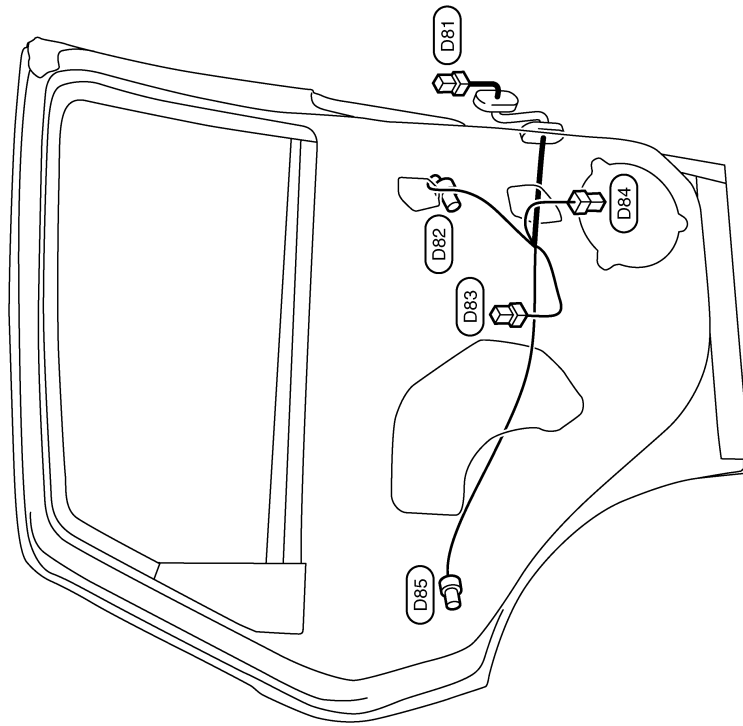
< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

LHD : Rear Door Harness

INFOID:000000001191239

LH SIDE



REAR DOOR HARNESS LH (LHD MODELS)

2006/12/06

JCMIA0108GB

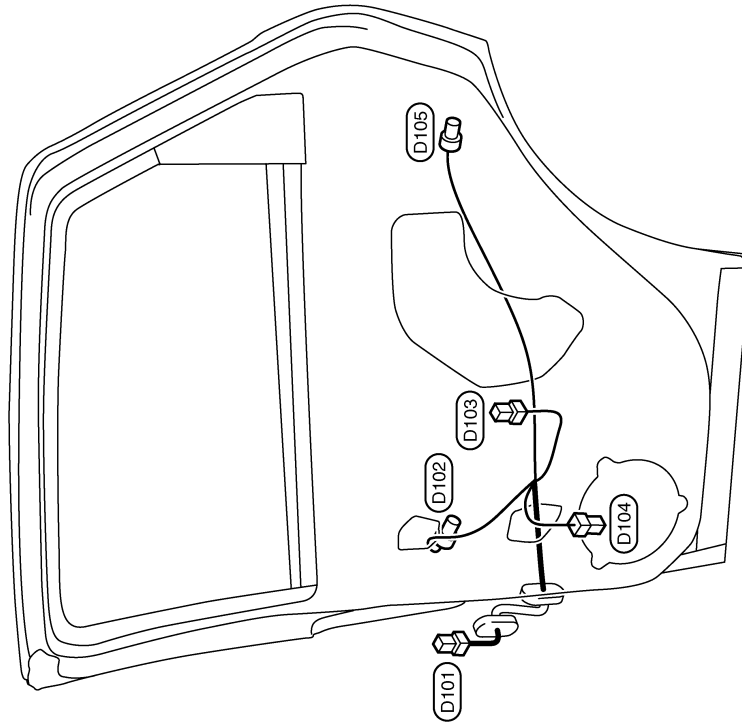
HARNES LAYOUT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

RH SIDE

REAR DOOR HARNES RH (LHD MODELS)



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2006/12/06

JCMIA0109GB

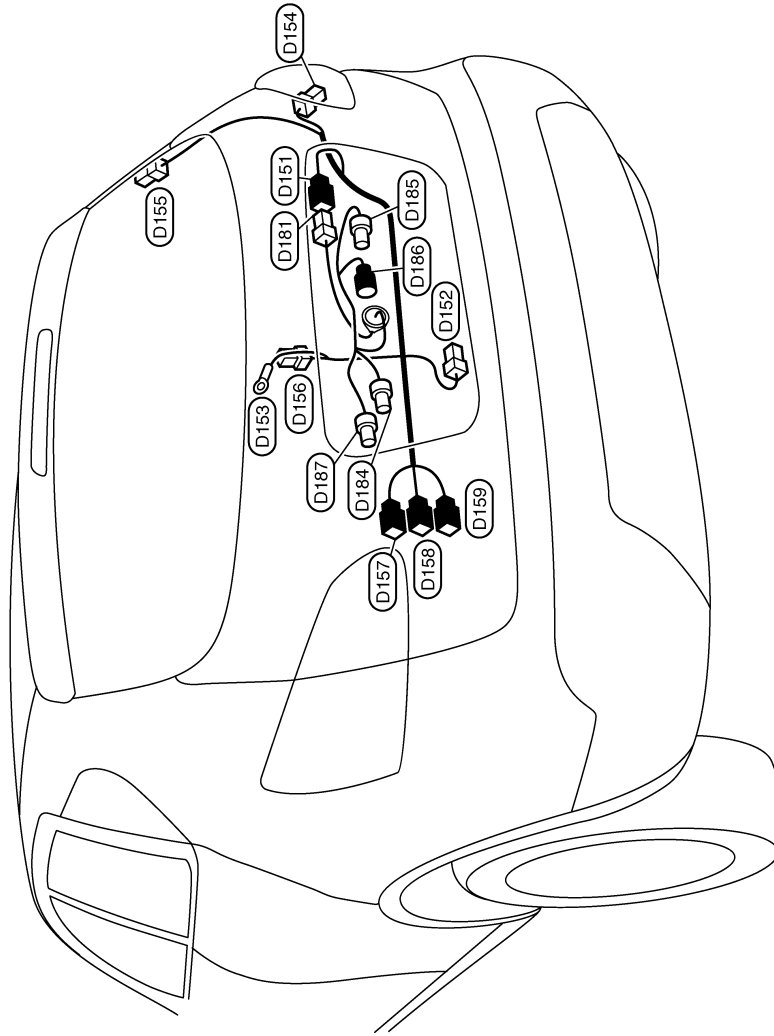
HARNES LAYOUT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

LHD : Back Door Harness

INFOID:000000001191240



BACK DOOR HARNESS (LHD MODELS)

RHD

2006/12/06

JCMIA0112GB

HARNESS LAYOUT

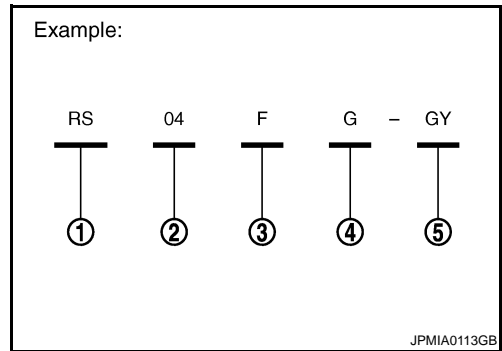
< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

RHD : How To Read Harness Layout

INFOID:000000001191241

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



CONNECTOR SYMBOL

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

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

JPMIA0114GB

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HARNES LAYOUT

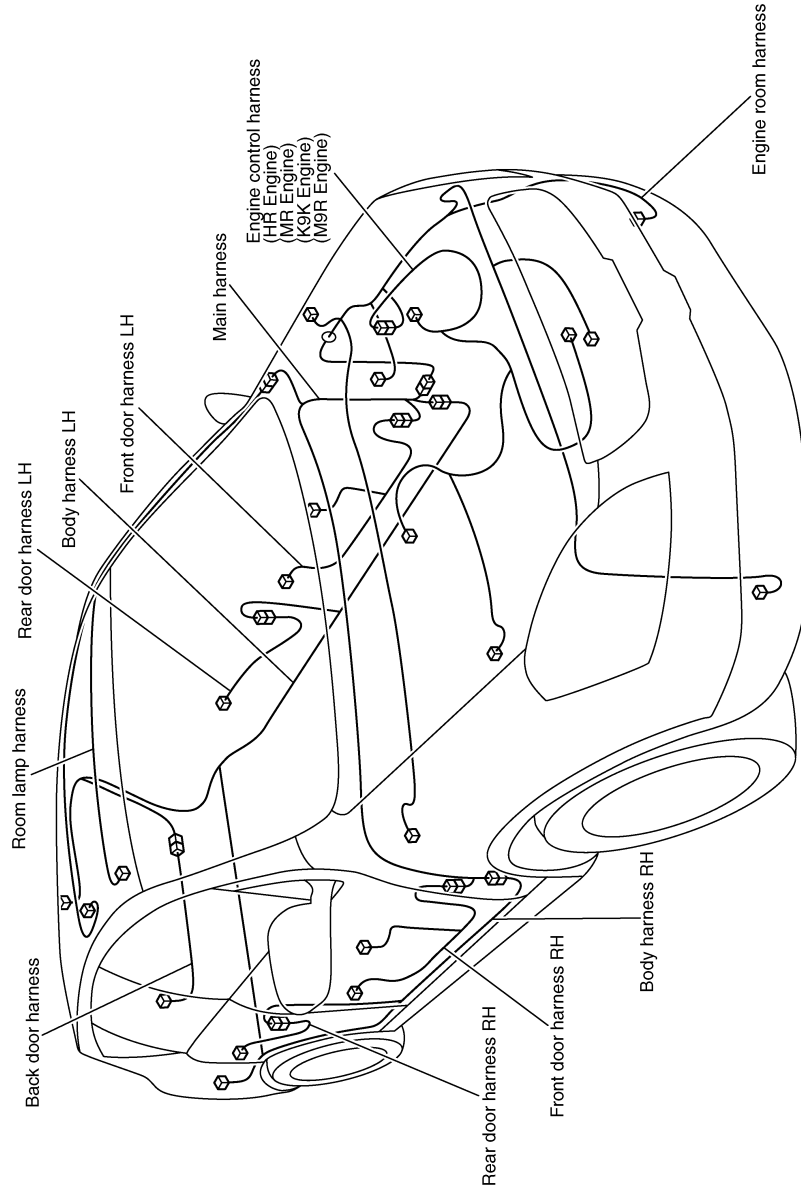
< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

RHD : Outline

INFOID:000000001191242

Outline (RHD MODELS)



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HARNES LAYOUT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

RHD : Main Harness

INFOID:000000001191243



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2006/12/06

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HARNESS LAYOUT

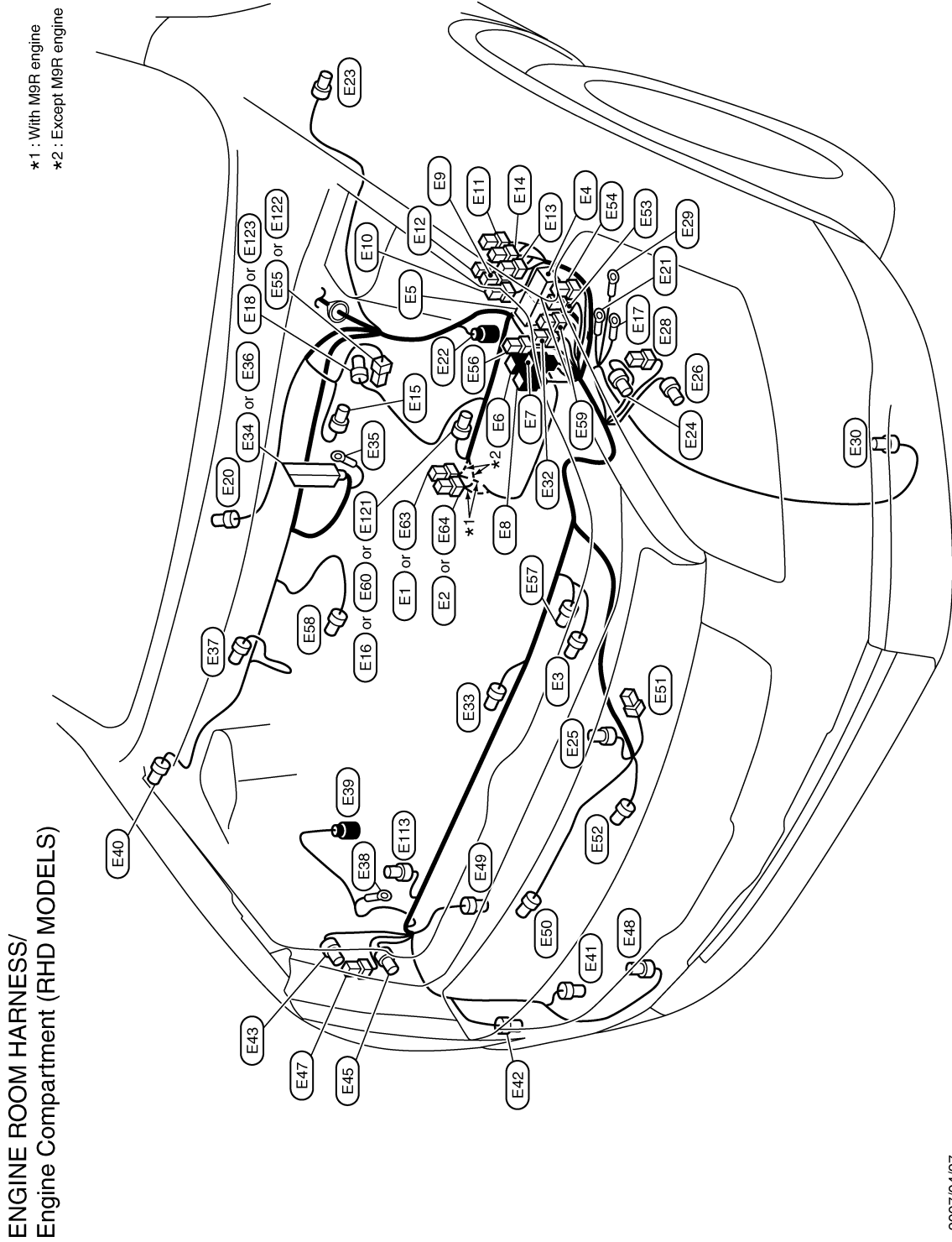
< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

RHD : Engine Room Harness

INFOID:000000001191244

ENGINE COMPARTMENT



ENGINE ROOM HARNESS/
Engine Compartment (RHD MODELS)

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2007/04/27

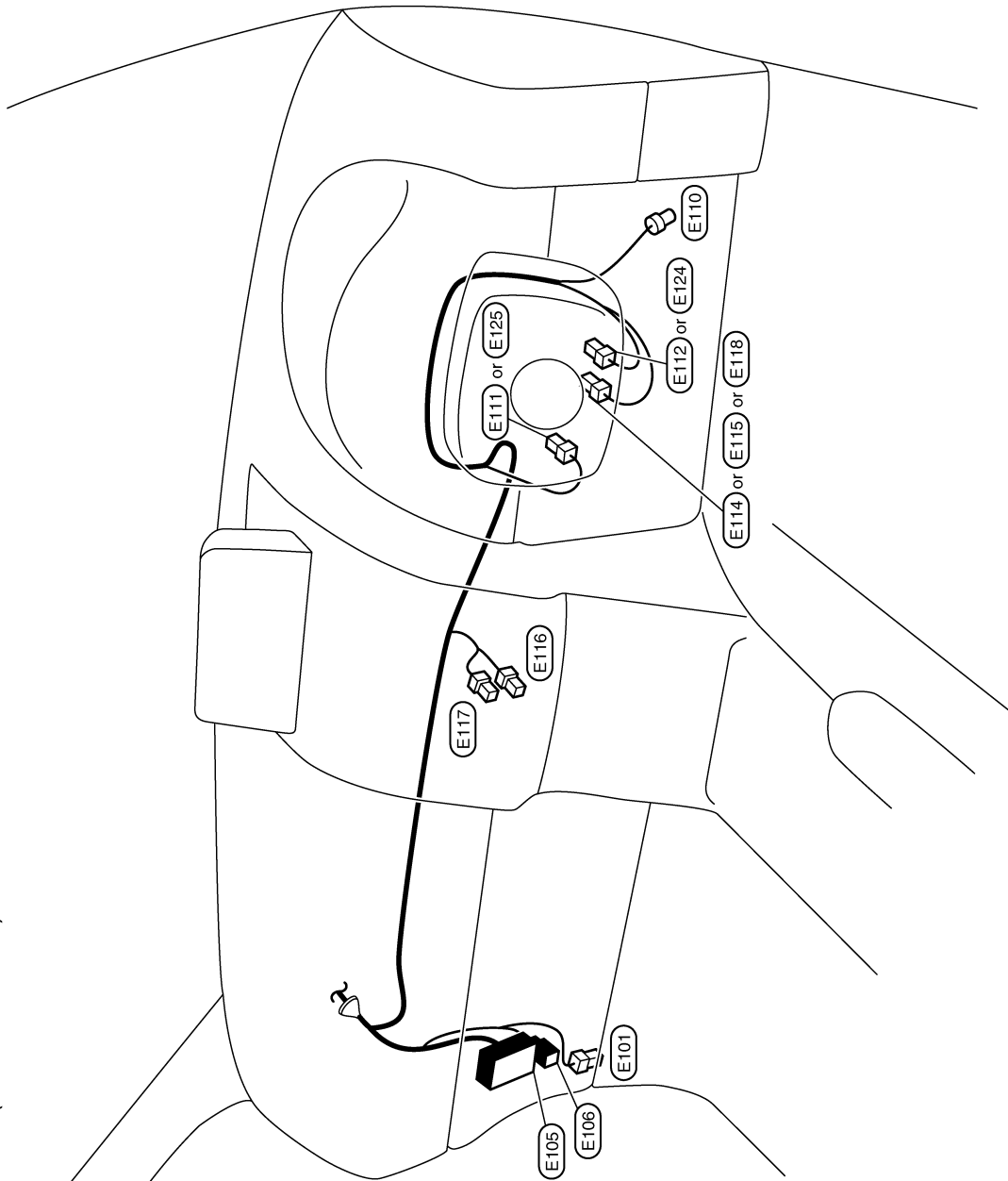
HARNES LAYOUT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

PASSENGER COMPARTMENT

Passenger Compartment (RHD MODELS)



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2007/04/27

JCMIA0158GB

HARNESS LAYOUT

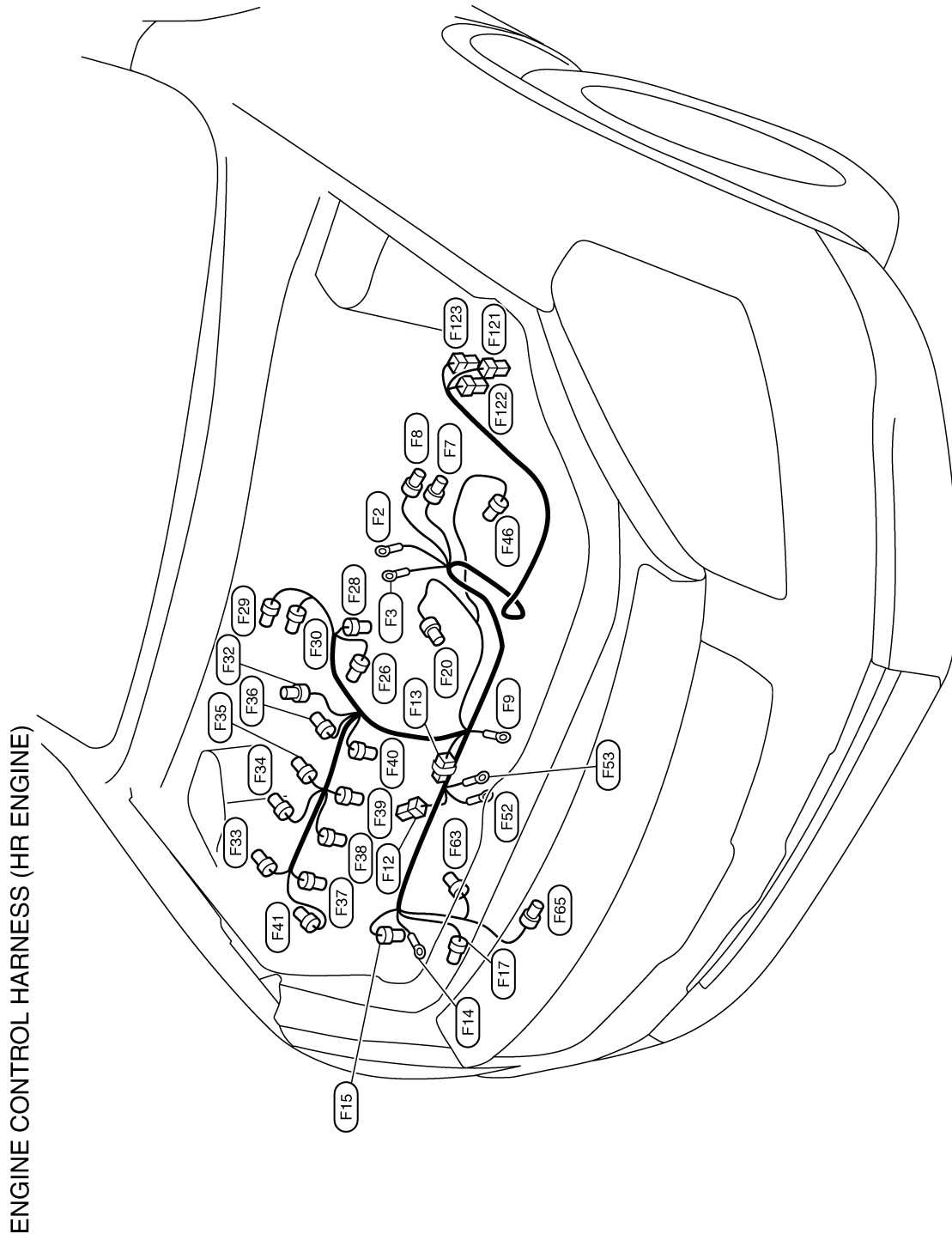
< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

RHD : Engine Control Harness

INFOID:000000001191245

HR ENGINE



2007/04/27

JCMIA0159GB

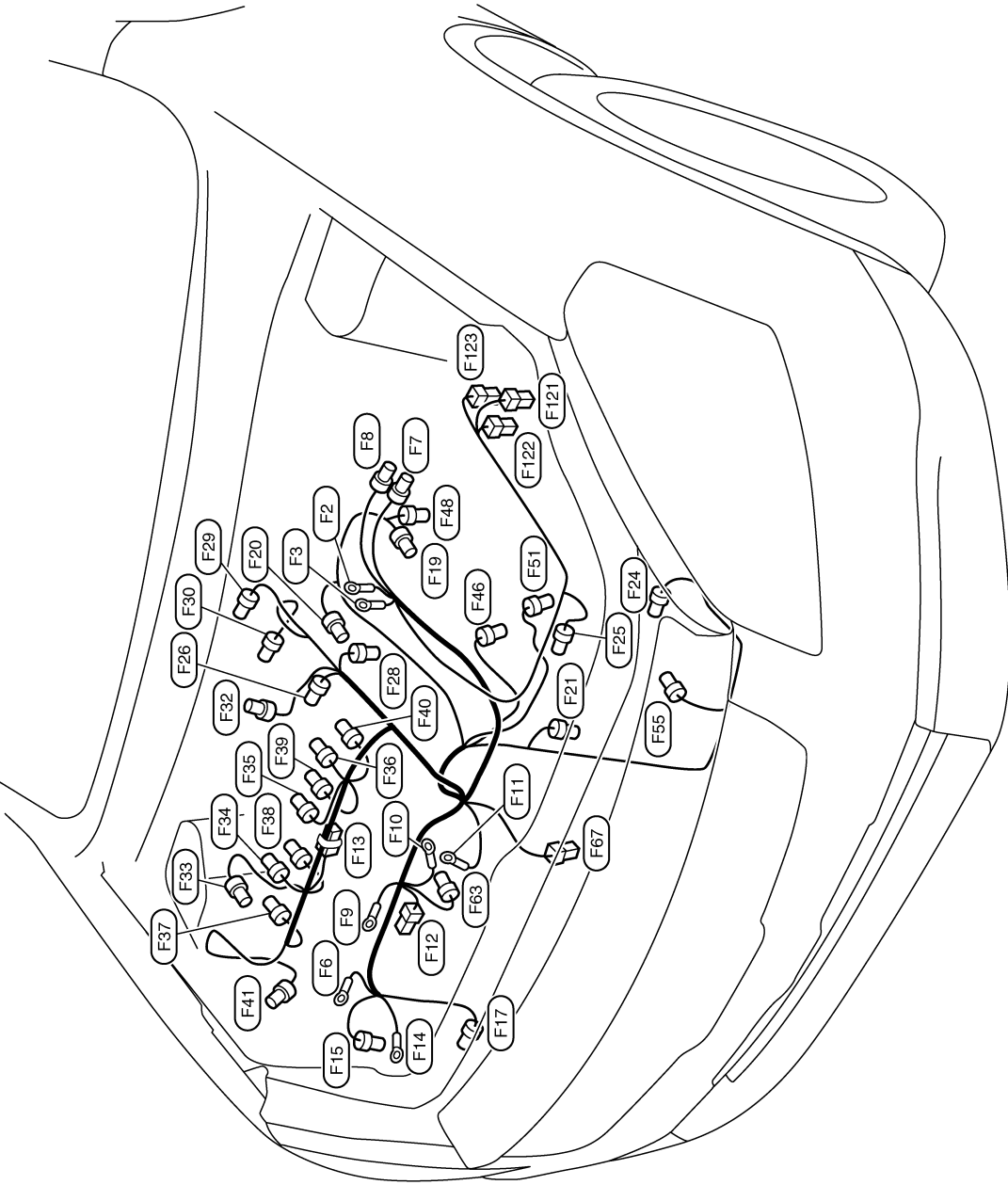
HARNES LAYOUT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

MR ENGINE

ENGINE CONTROL HARNESS (MR ENGINE)



2007/04/27

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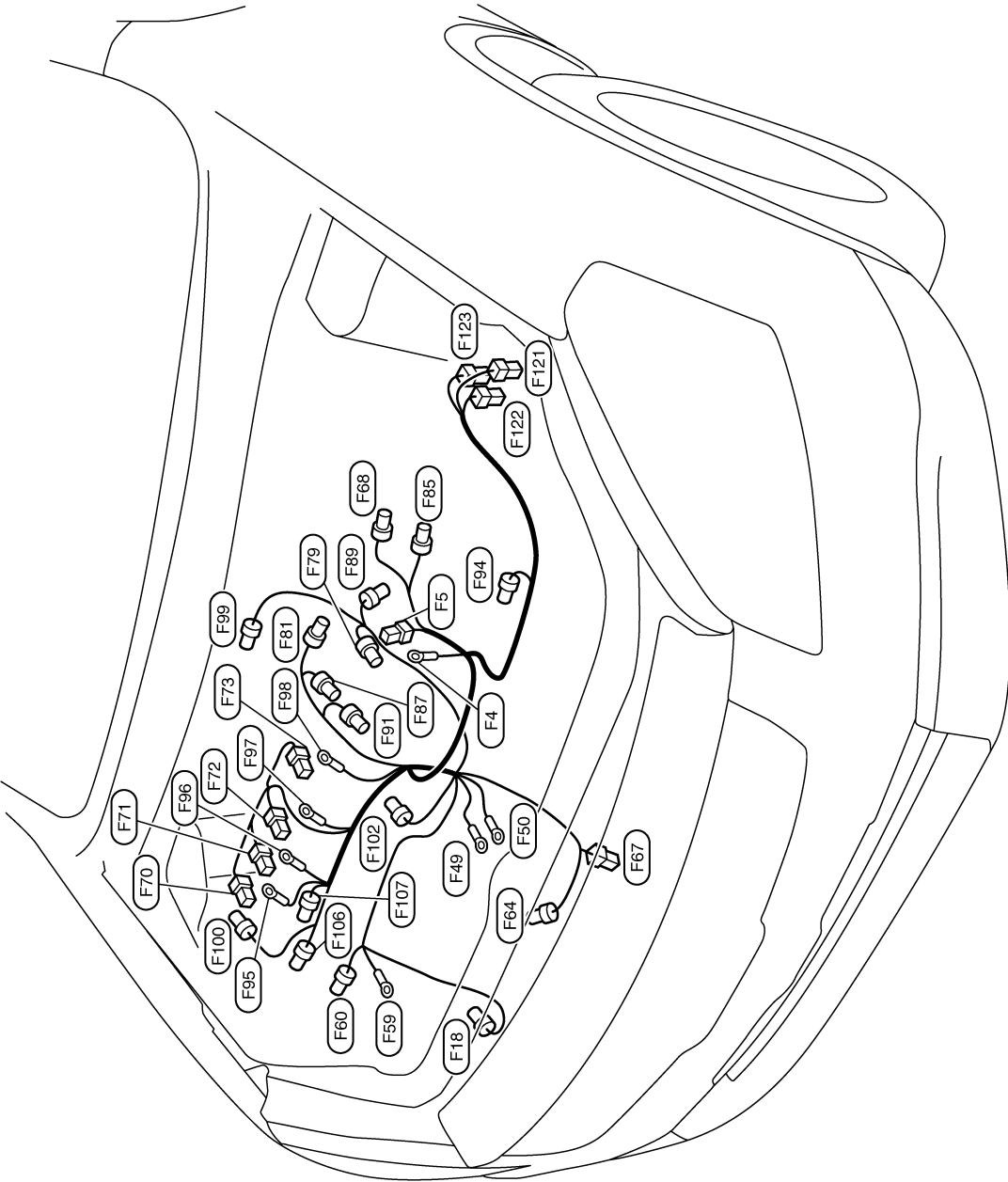
HARNESS LAYOUT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

K9K ENGINE

ENGINE CONTROL HARNESS (K9K ENGINE)



2007/04/27

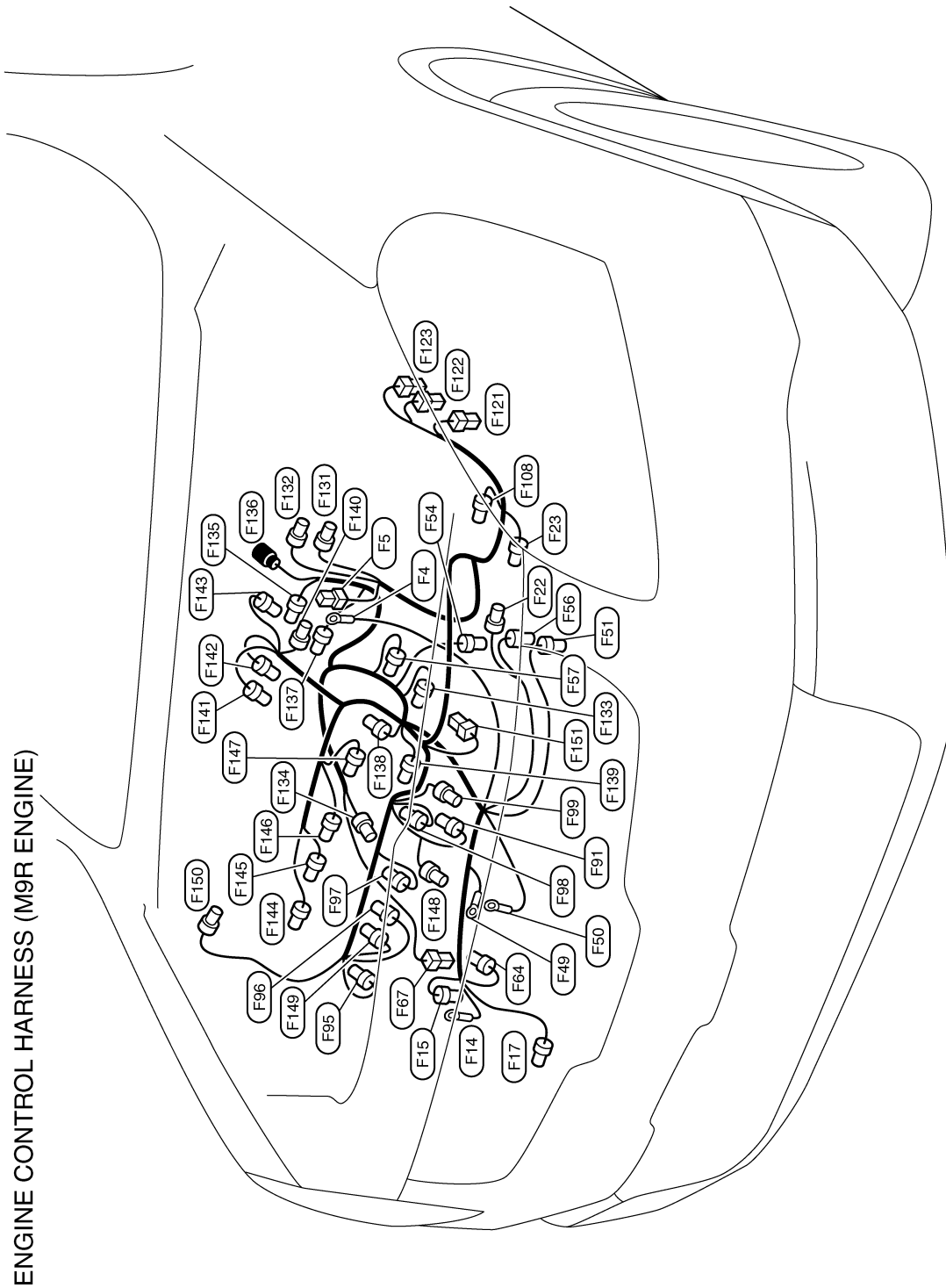
JCMIA0161GB

HARNES LAYOUT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

M9R ENGINE



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2007/04/27

JCMIA0162GB

HARNES LAYOUT

< COMPONENT DIAGNOSIS >

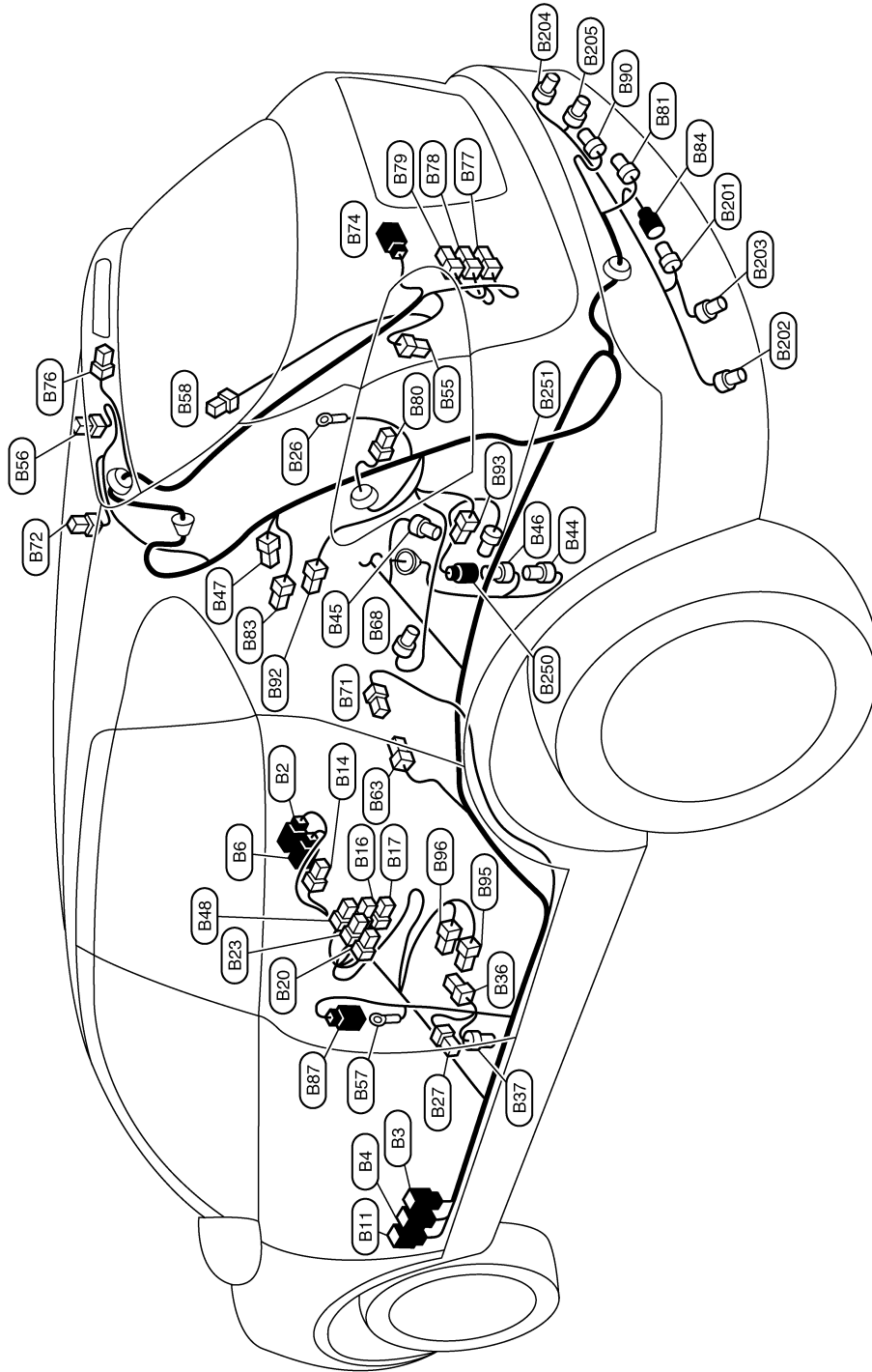
[POWER SUPPLY & GROUND CIRCUIT]

RHD : Body Harness

INFOID:000000001191246

LH SIDE

BODY HARNESS LH (RHD MODELS)



2007/04/27

JCMIA0179GB

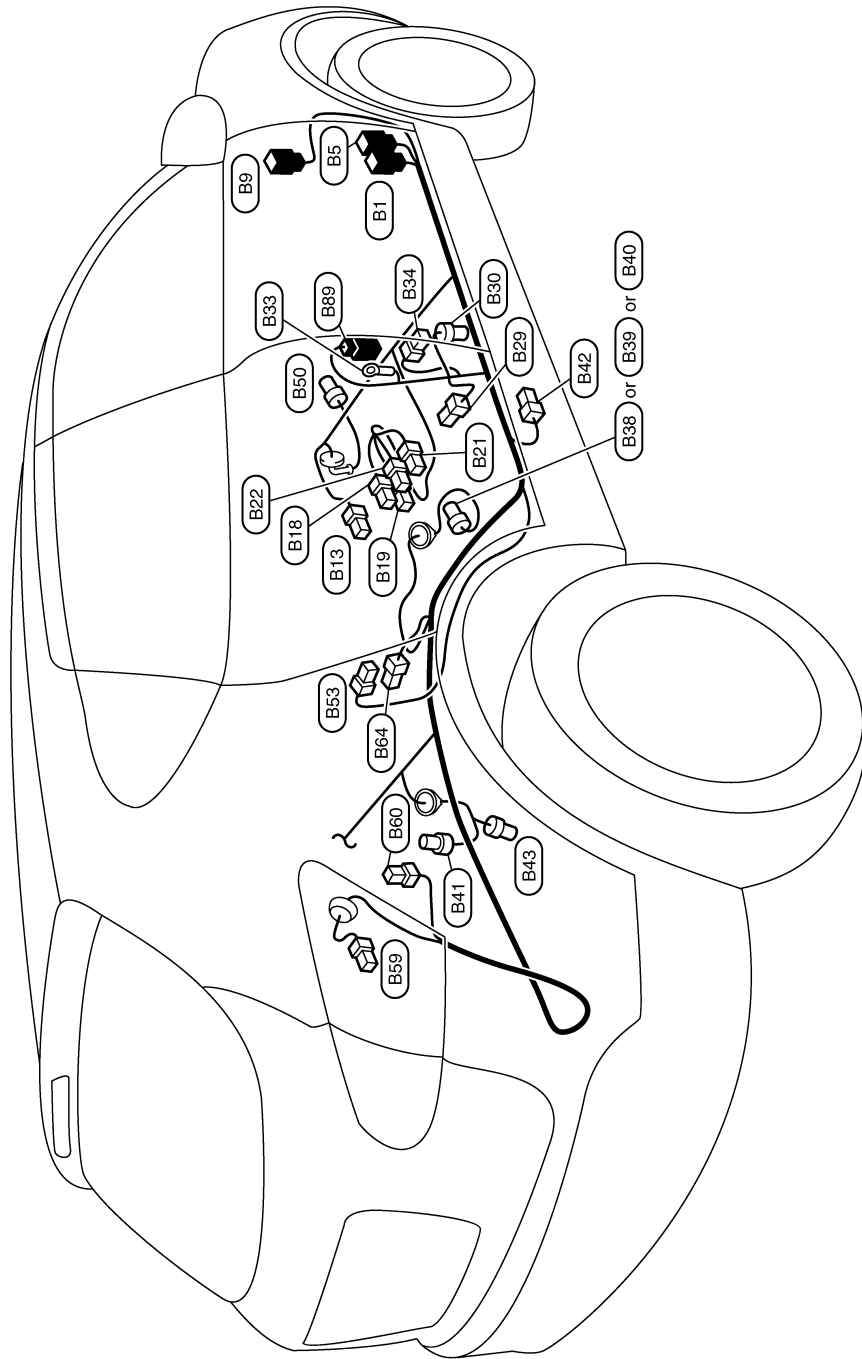
HARNES LAYOUT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

RH SIDE

BODY HARNES RH (RHD MODELS)



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2007/04/27

JCMIA0164GB

HARNES LAYOUT

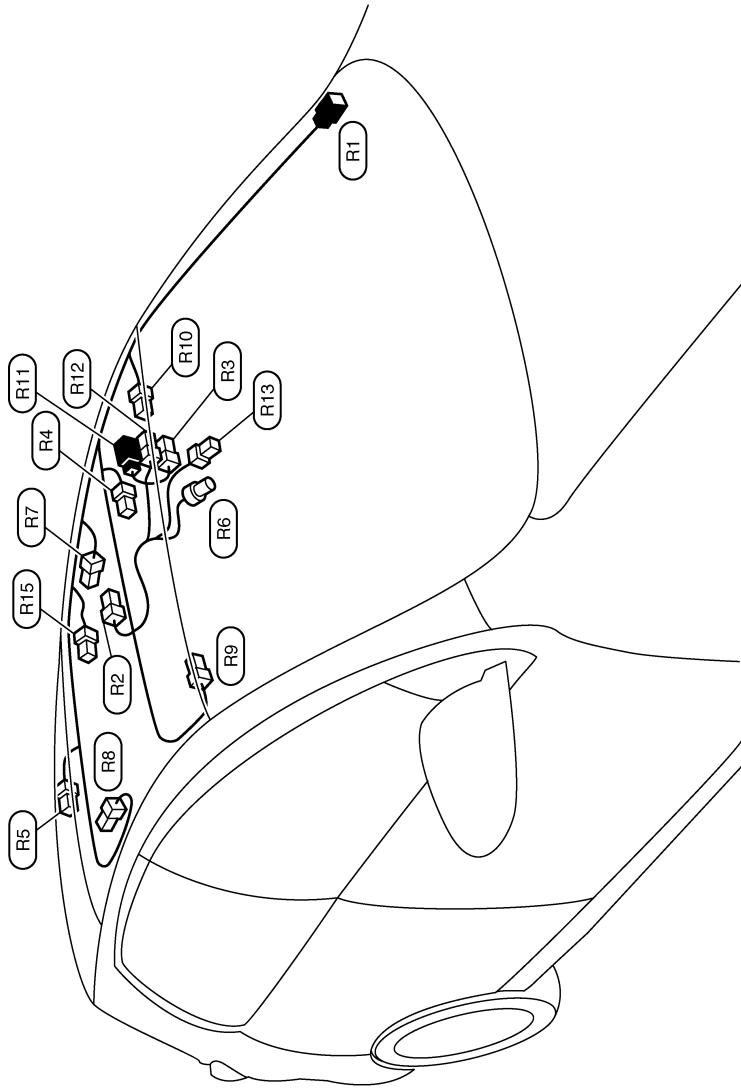
< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

RHD : Room Lamp Harness

INFOID:000000001191247

ROOM LAMP HARNESS (RHD MODELS)



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JCMIA0103GB

HARNES LAYOUT

< COMPONENT DIAGNOSIS >

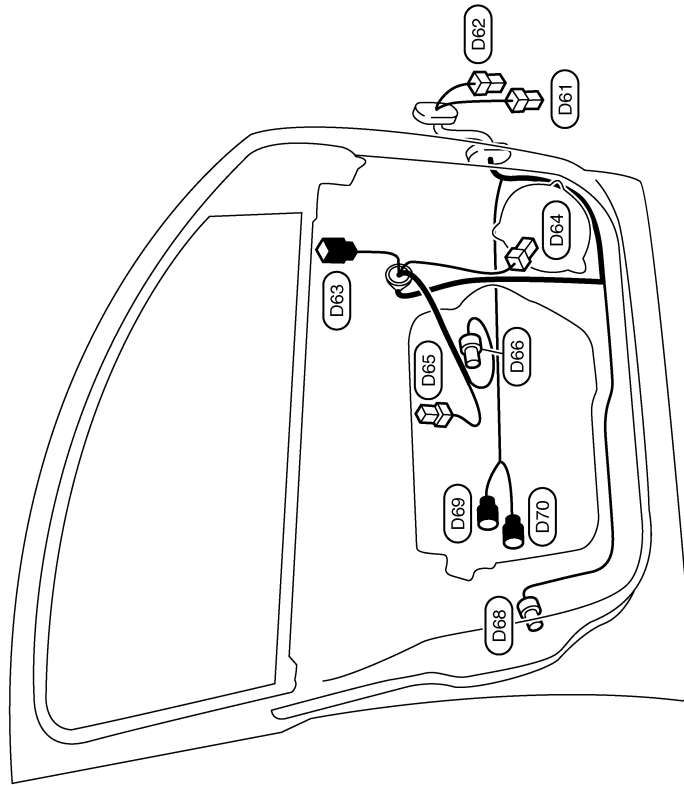
[POWER SUPPLY & GROUND CIRCUIT]

RHD : Front Door Harness

INFOID:000000001191248

LH SIDE

FRONT DOOR HARNESS LH (RHD MODELS)



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2006/12/06

JCMIA0106GB

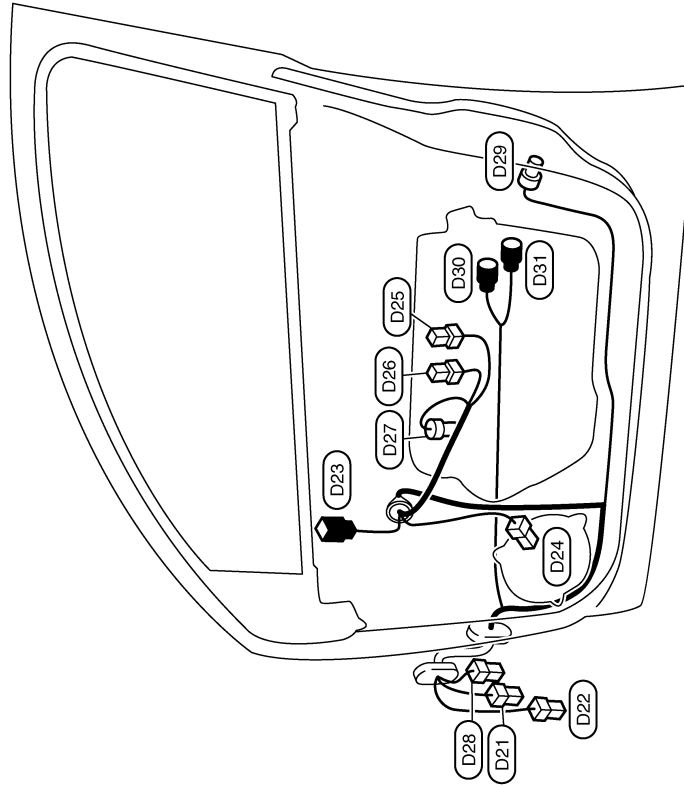
HARNES LAYOUT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

RH SIDE

FRONT DOOR HARNES RH (RHD MODELS)



2006/12/06

JCMIA0107GB

HARNES LAYOUT

< COMPONENT DIAGNOSIS >

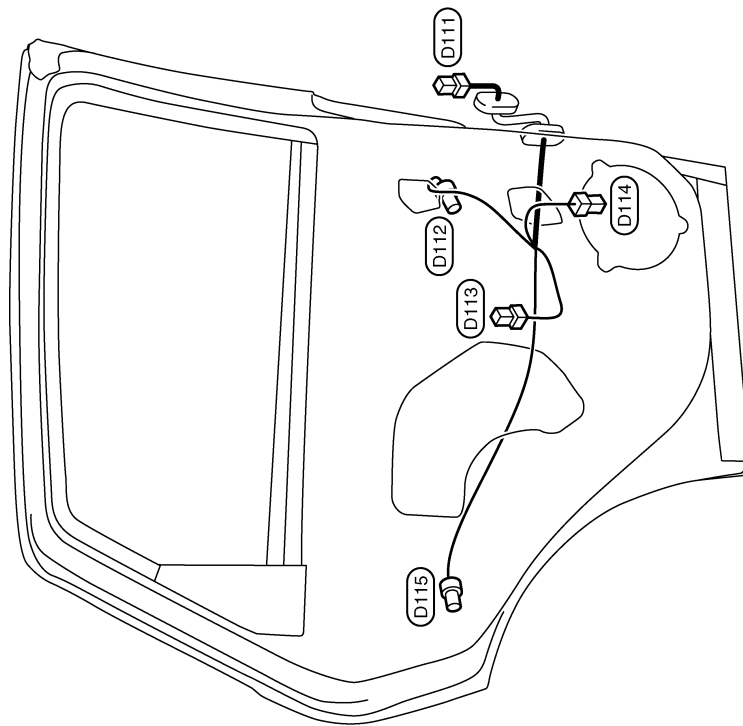
[POWER SUPPLY & GROUND CIRCUIT]

RHD : Rear Door Harness

INFOID:000000001191249

LH SIDE

REAR DOOR HARNESS LH (RHD MODELS)



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2006/12/06

JCMIA0110GB

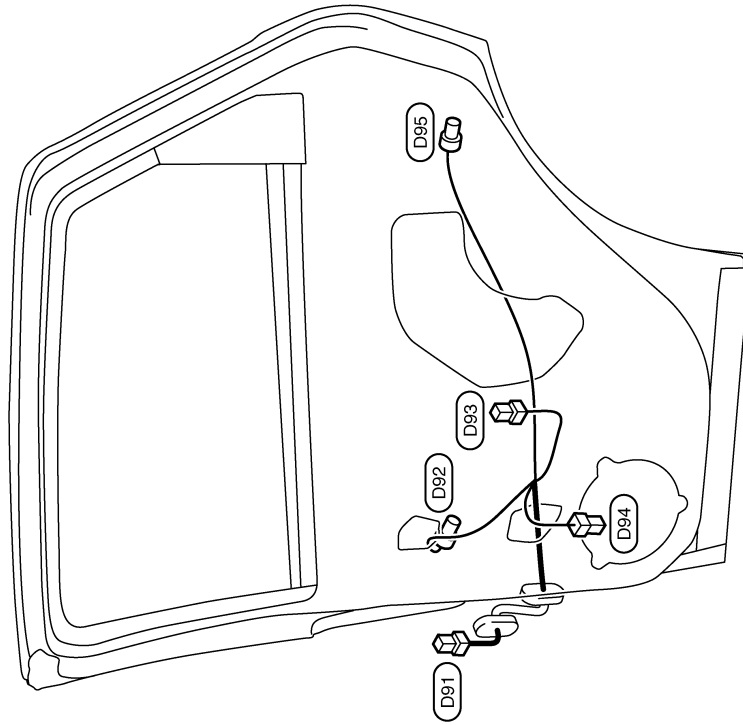
HARNES LAYOUT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

RH SIDE

REAR DOOR HARNES RH (RHD MODELS)



2006/12/06

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HARNES LAYOUT

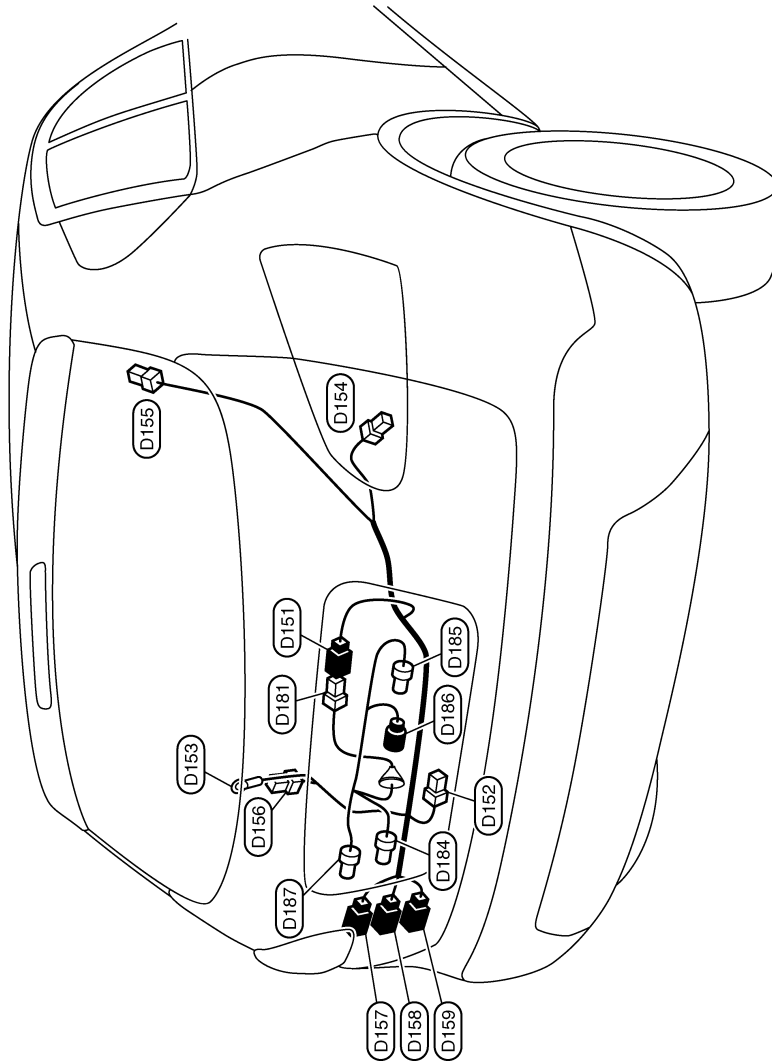
< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

RHD : Back Door Harness

INFOID:000000001191250

BACK DOOR HARNESS (RHD MODELS)



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2006/12/06

JCMIA0113GB

HARNESS CONNECTOR

< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

HARNESS CONNECTOR

Description

INFOID:000000001191251

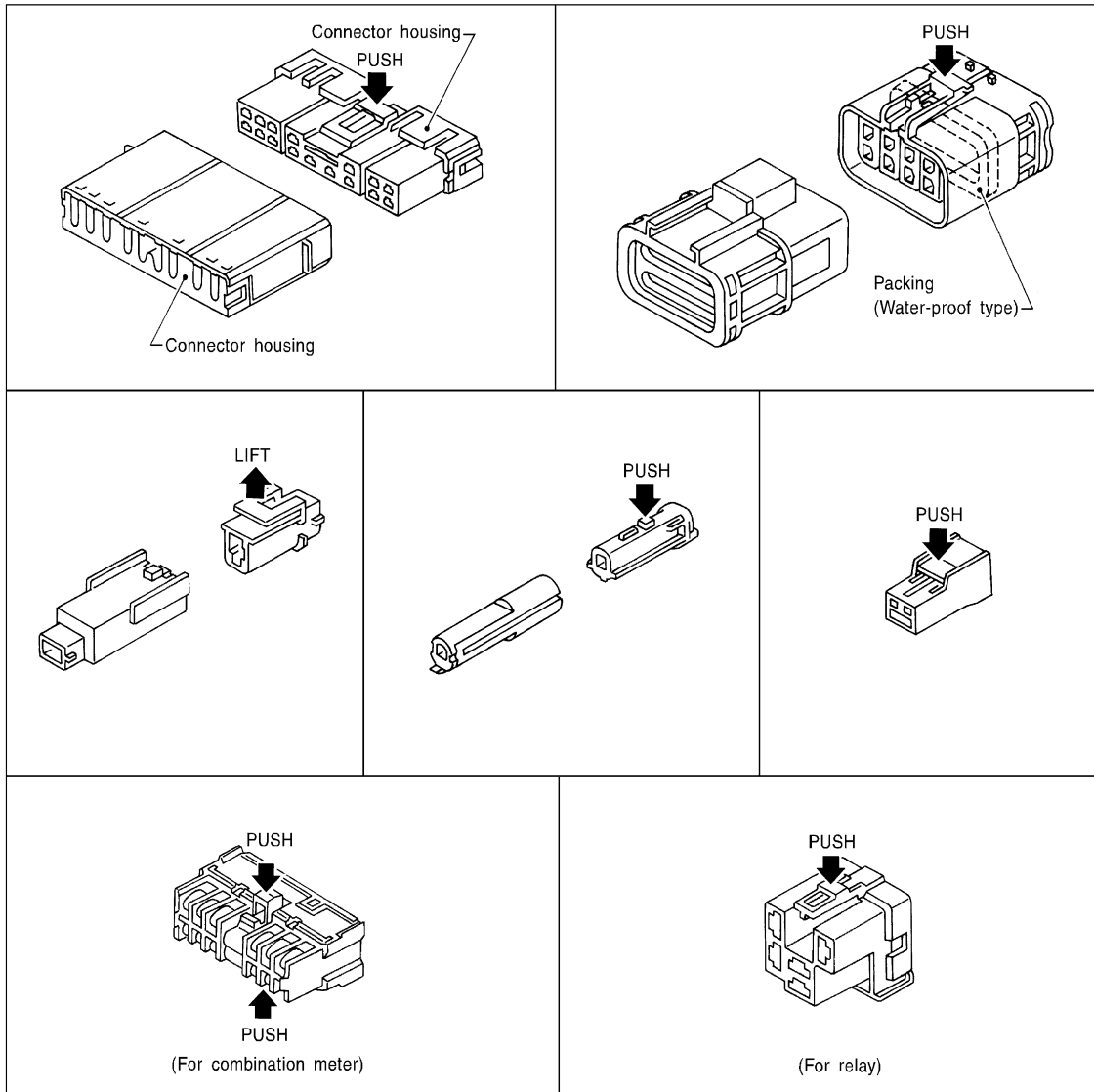
HARNESS CONNECTOR (TAB-LOCKING TYPE)

- 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

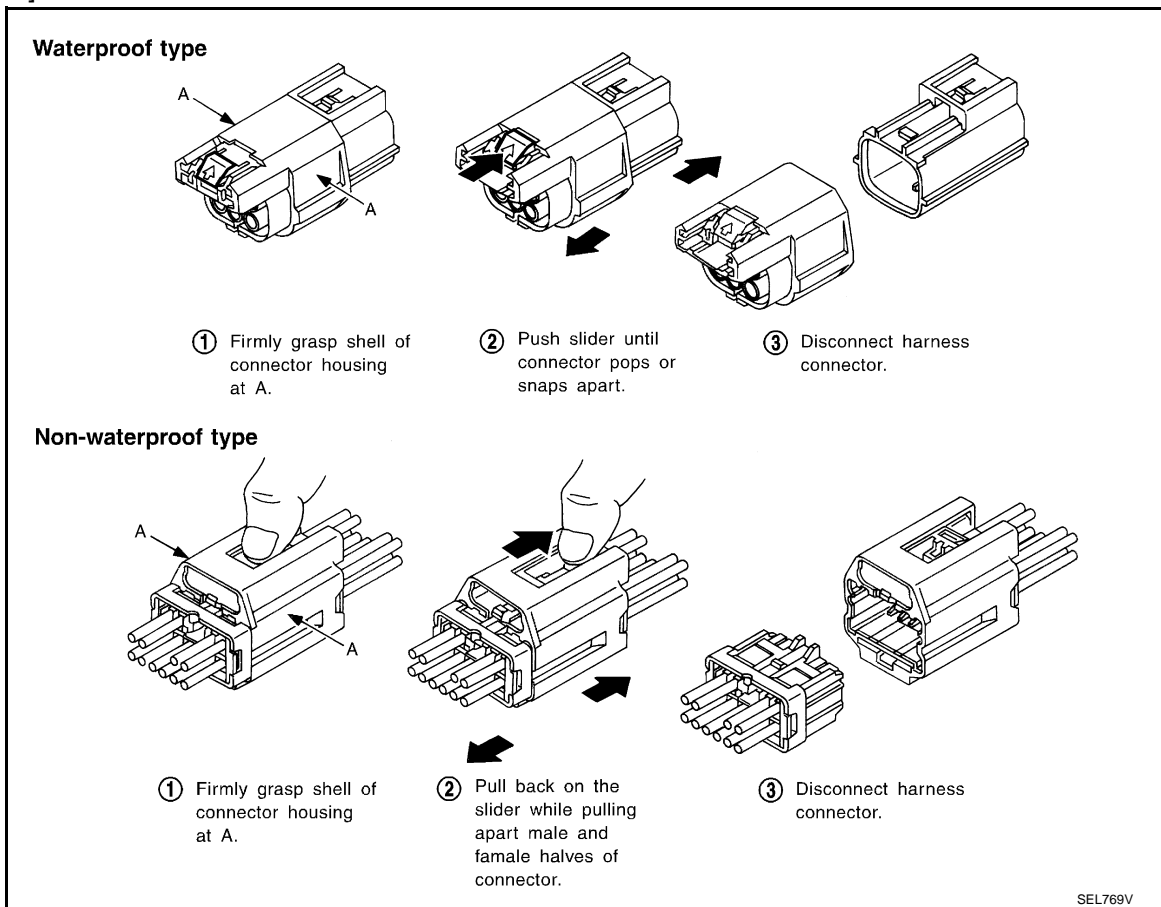
< COMPONENT DIAGNOSIS >

[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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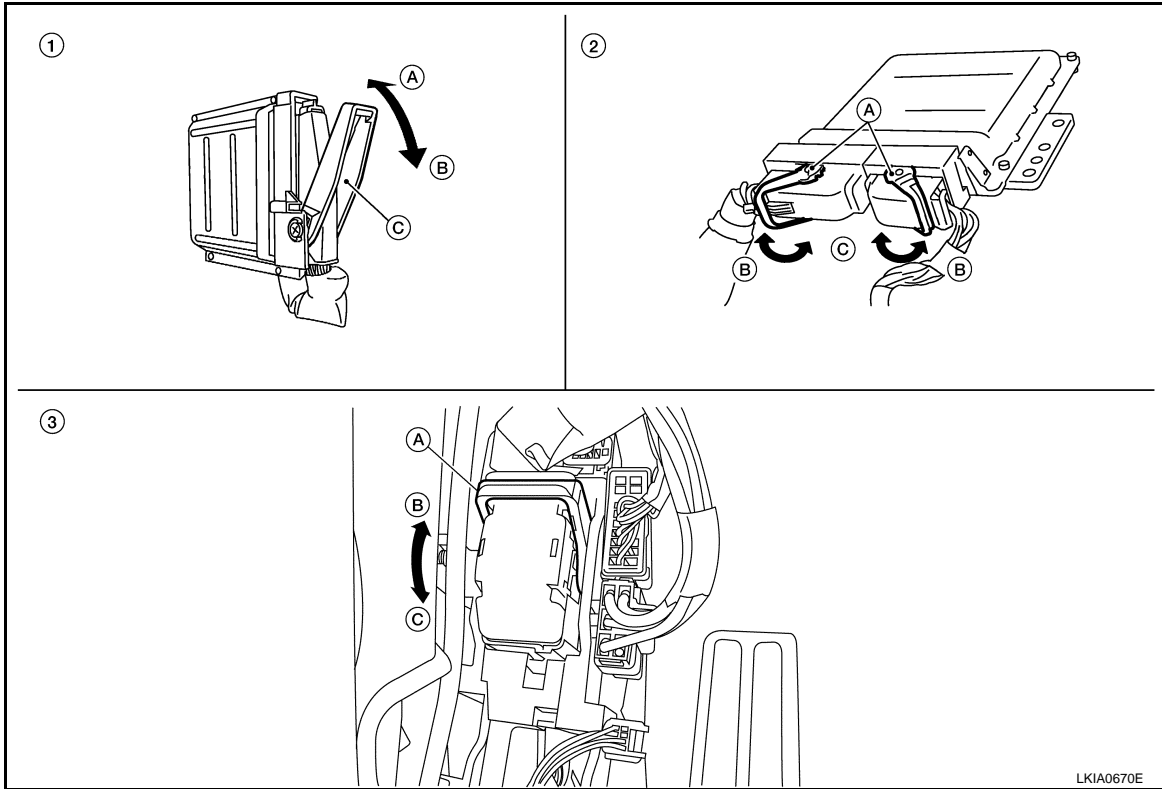
PG

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]

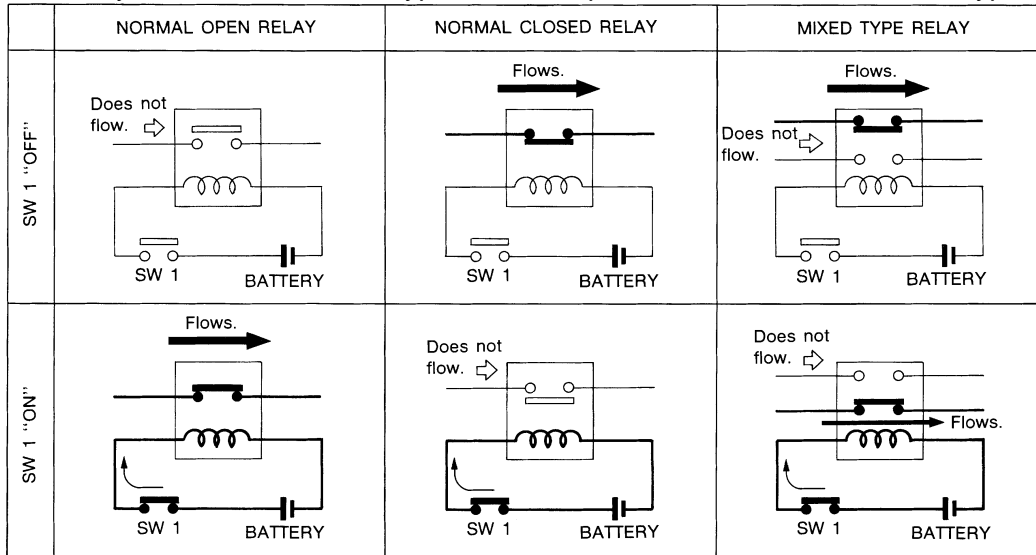
STANDARDIZED RELAY

Description

INFOID:000000001191252

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

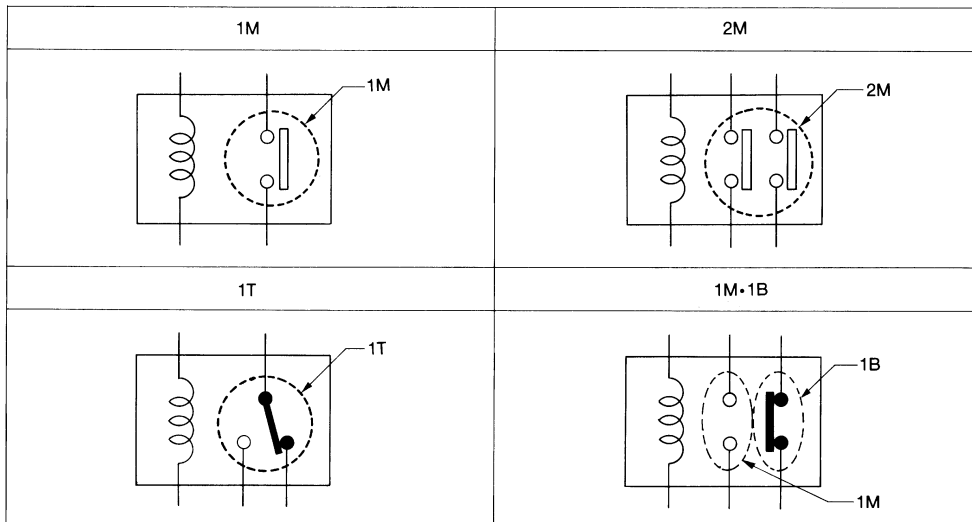
TYPE OF STANDARDIZED RELAYS

1M 1 Make

2M 2 Make

1T 1 Transfer

1M-1B 1 Make 1 Break

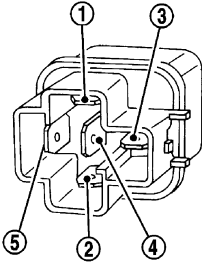
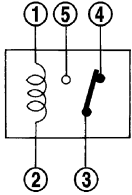
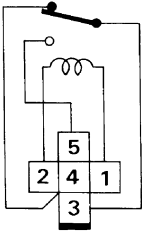
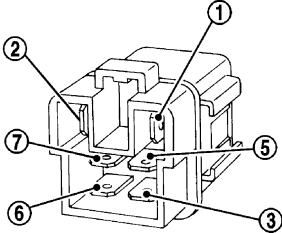
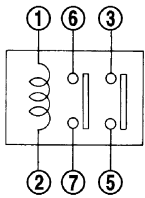
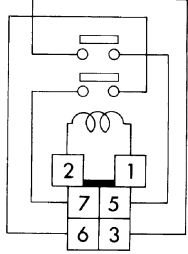
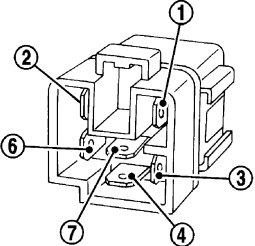
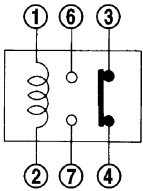
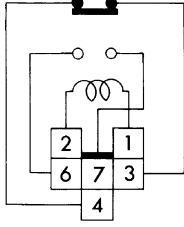
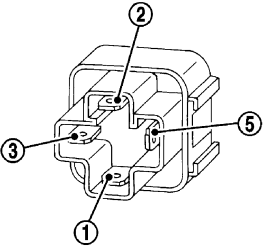
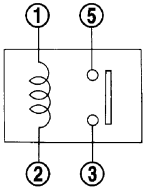
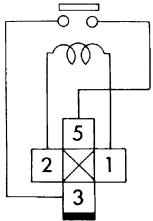
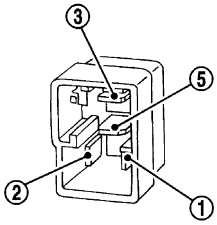
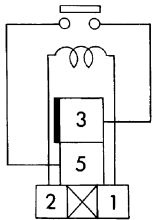


SEL882H

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)

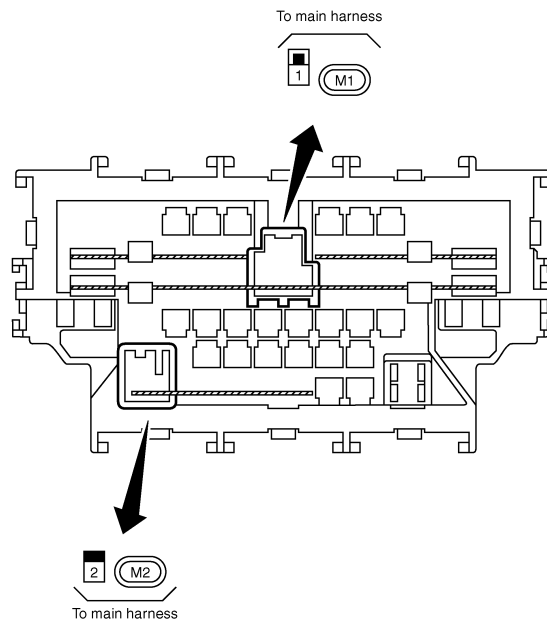
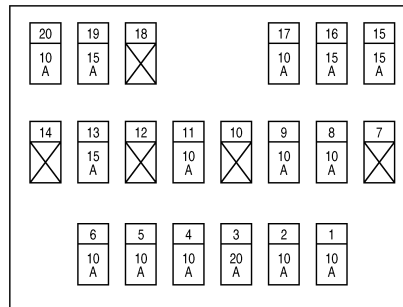
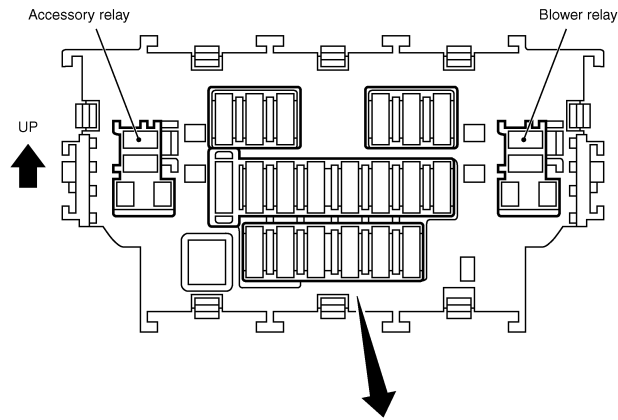
< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

FUSE BLOCK - JUNCTION BOX (J/B)

Fuse, Connector and Terminal Arrangement

INFOID:000000001191253



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FUSE, FUSIBLE LINK AND RELAY BOX

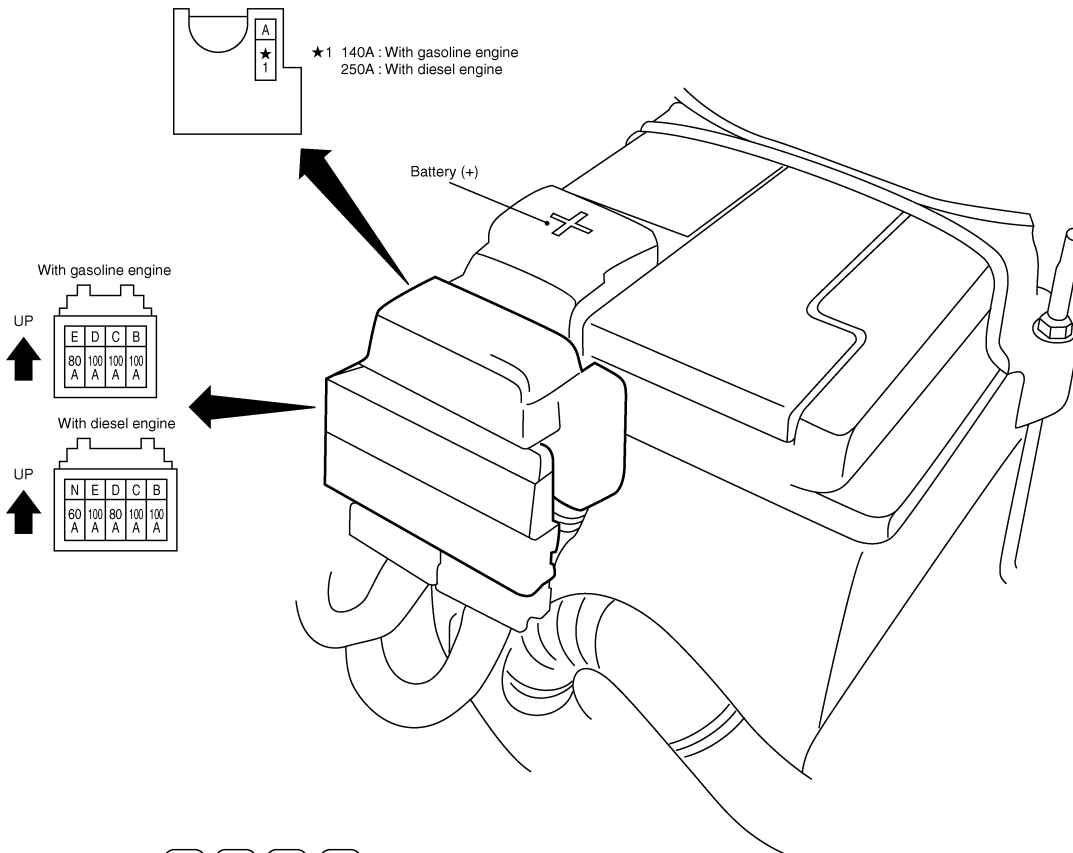
< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

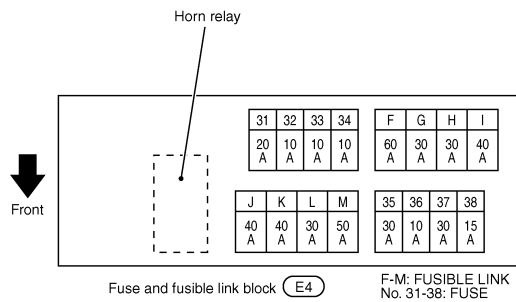
FUSE, FUSIBLE LINK AND RELAY BOX

Fuse and Fusible Link Arrangement

INFOID:000000001191254



Fusible link holder
 (E1), (E2), (F2), (F3) (With gasoline engine)
 (E63), (E64), (F4), (F5) (With diesel engine)



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

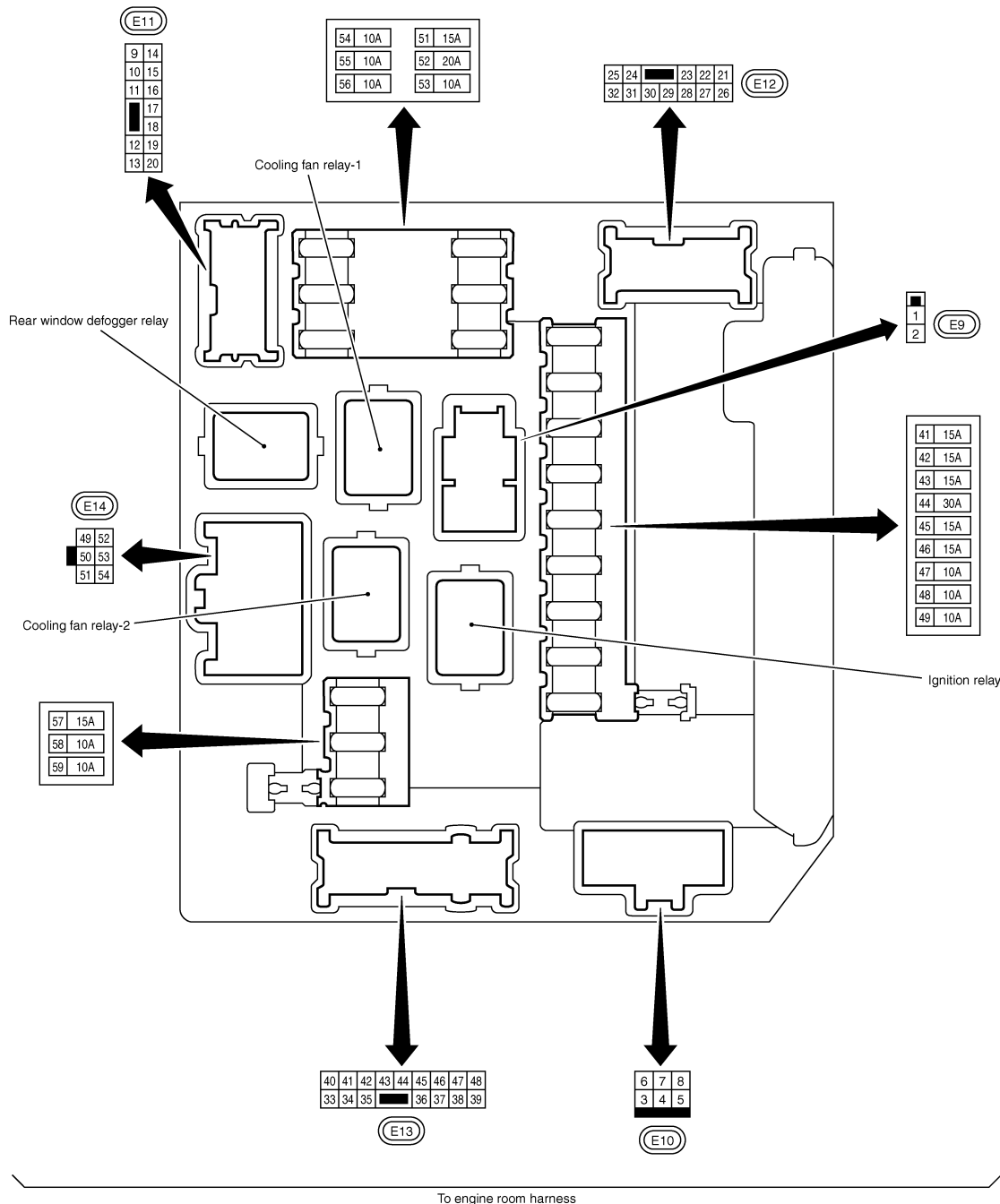
< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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

Fuse, Connector and Terminal Arrangement

INFOID:000000001191255



2007/04/27

JCMWA0741GE

PRECAUTION

PRECAUTIONS

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

INFOID:000000001191256

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.

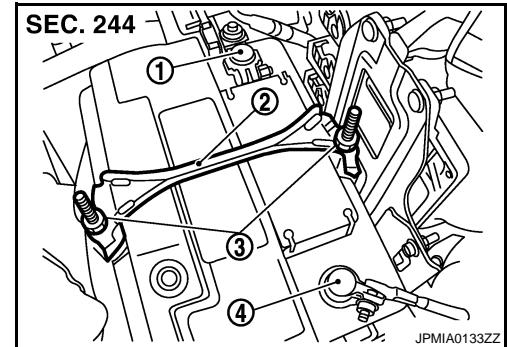
ON-VEHICLE REPAIR

BATTERY

Exploded View

INFOID:000000001191260

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

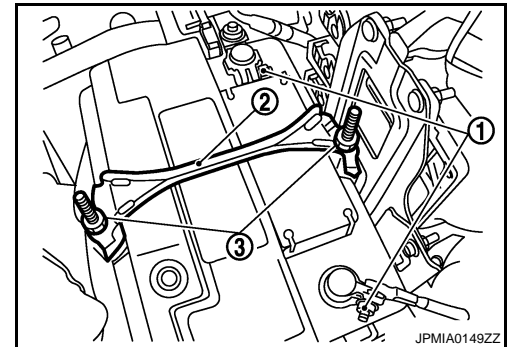


Removal and Installation

INFOID:000000001191261

REMOVAL

1. 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.
2. Remove battery fix frame mounting nuts (3) to remove battery fix frame (2).
3. 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)

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

PG

BATTERY TERMINAL WITH FUSIBLE LINK

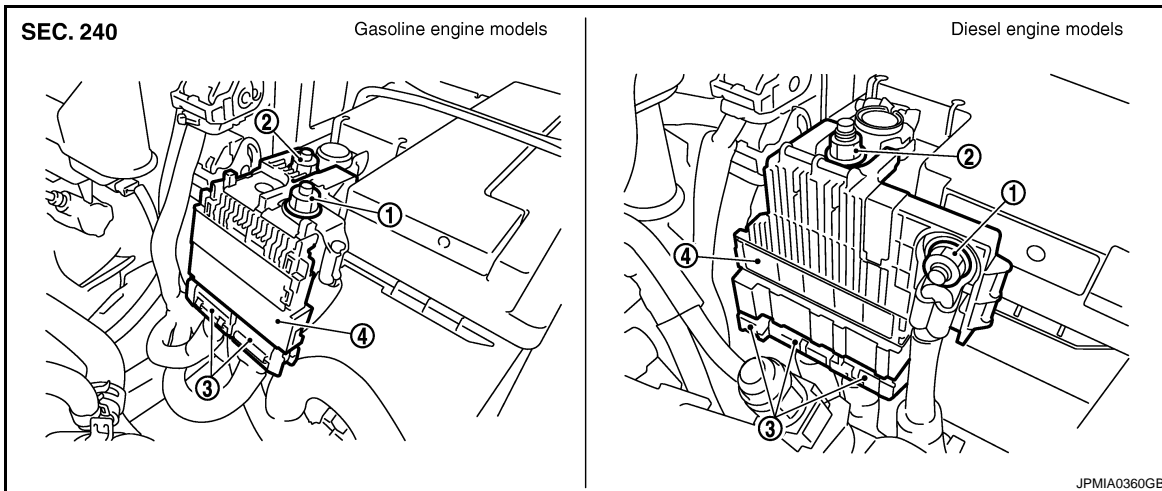
< ON-VEHICLE REPAIR >

[POWER SUPPLY & GROUND CIRCUIT]

BATTERY TERMINAL WITH FUSIBLE LINK

Exploded View

INFOID:000000001191262



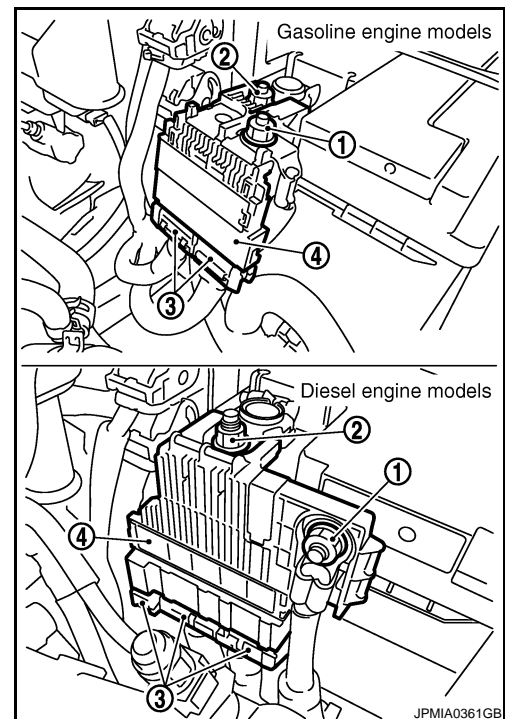
1. Harness mounting nut
2. Fusible link holder mounting nut
3. Harness connector
4. Battery terminal with fusible link

Removal and Installation

INFOID:000000001191263

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



INSTALLATION


Install in the reverse order of removal.

BATTERY TERMINAL WITH FUSIBLE LINK


< ON-VEHICLE REPAIR >

[POWER SUPPLY & GROUND CIRCUIT]

Harness mounting nut

: 10.3 N·m (1.1 kg-m, 8 ft-lb)

Fusible link holder mounting nut

: 10.3 N·m (1.1 kg-m, 8 ft-lb)

A

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P

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:000000001191264

Specification	Gasoline engine models		Diesel engine models
	Standard	Cold option*	
Type	L1	L2	L3
20 hour rate capacity [V - Ah]	12 - 50	12 - 60	12 - 70
Cold cranking current (For reference value) [A]	420	600	720

*: LHD models only