

SECTION **PG**

POWER SUPPLY, GROUND & CIRCUIT ELEMENTS

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STANDARDIZED RELAY			
Description			
FUSE BLOCK - JUNCTION BOX (J/B)			

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BASIC INSPECTION

BATTERY

How to Handle Battery

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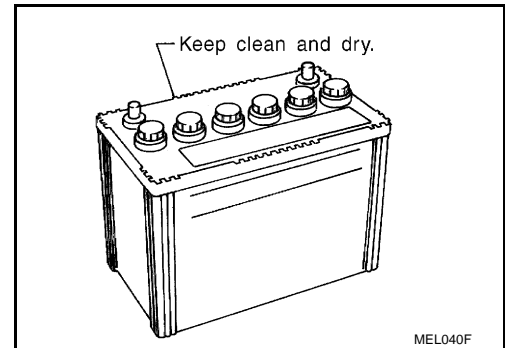
CAUTION:

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

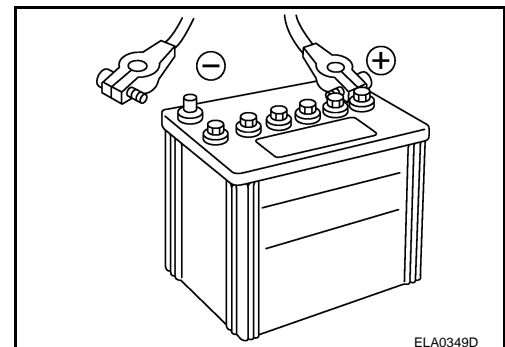
METHODS OF PREVENTING OVER-DISCHARGE

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

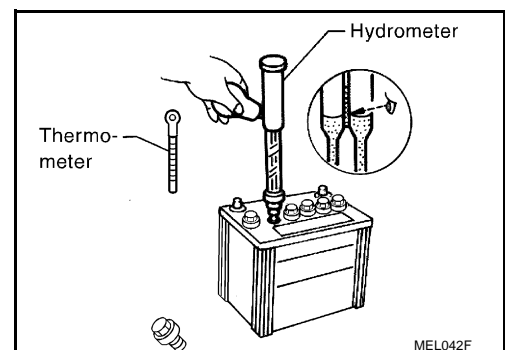
- The battery surface (particularly its top) should always be kept clean and dry.
- The terminal connections should be clean and tight.
- At every routine maintenance, check the electrolyte level. This also applies to batteries designated as "low maintenance" and "maintenance-free".



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



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



CHECKING ELECTROLYTE LEVEL

WARNING:

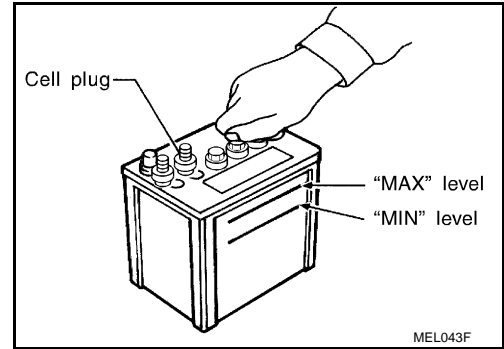
Never allow battery fluid to come in contact with skin, eyes, fabrics, or painted surfaces. After touching a battery, never touch or rub your eyes until you have thoroughly washed your hands. If acid contacts eyes, skin or clothing, immediately flush with water for 15 minutes and seek medical attention.

BATTERY

[POWER SUPPLY & GROUND CIRCUIT]

< BASIC INSPECTION >

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

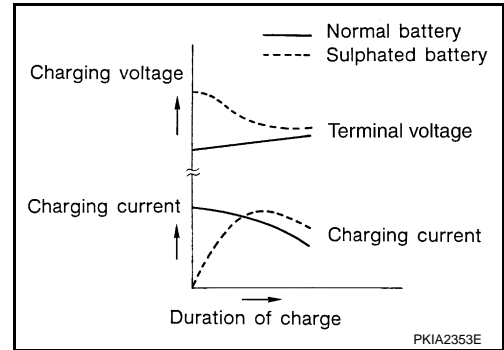


Sulphation

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

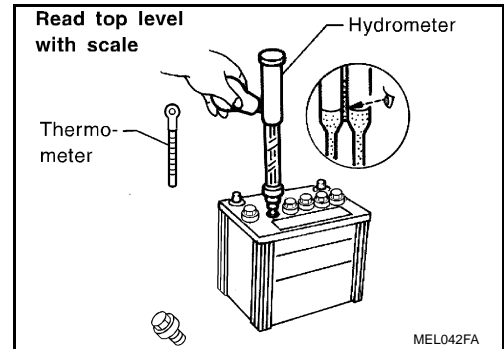
To determine if a battery has been “sulphated”, note its voltage and current when charging it. As shown in the figure, less current and higher voltage are observed in the initial stage of charging sulphated batteries.

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



SPECIFIC GRAVITY CHECK

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



Hydrometer Temperature Correction

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

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BATTERY

< BASIC INSPECTION >

[POWER SUPPLY&GROUND CIRCUIT]

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

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

CHARGING THE BATTERY

CAUTION:

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

Charging Rates

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

Do not charge at more than 50 ampere rate.

NOTE:

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

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

Work Flow

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TROUBLE DIAGNOSIS WITH BATTERY SERVICE CENTER

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

POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

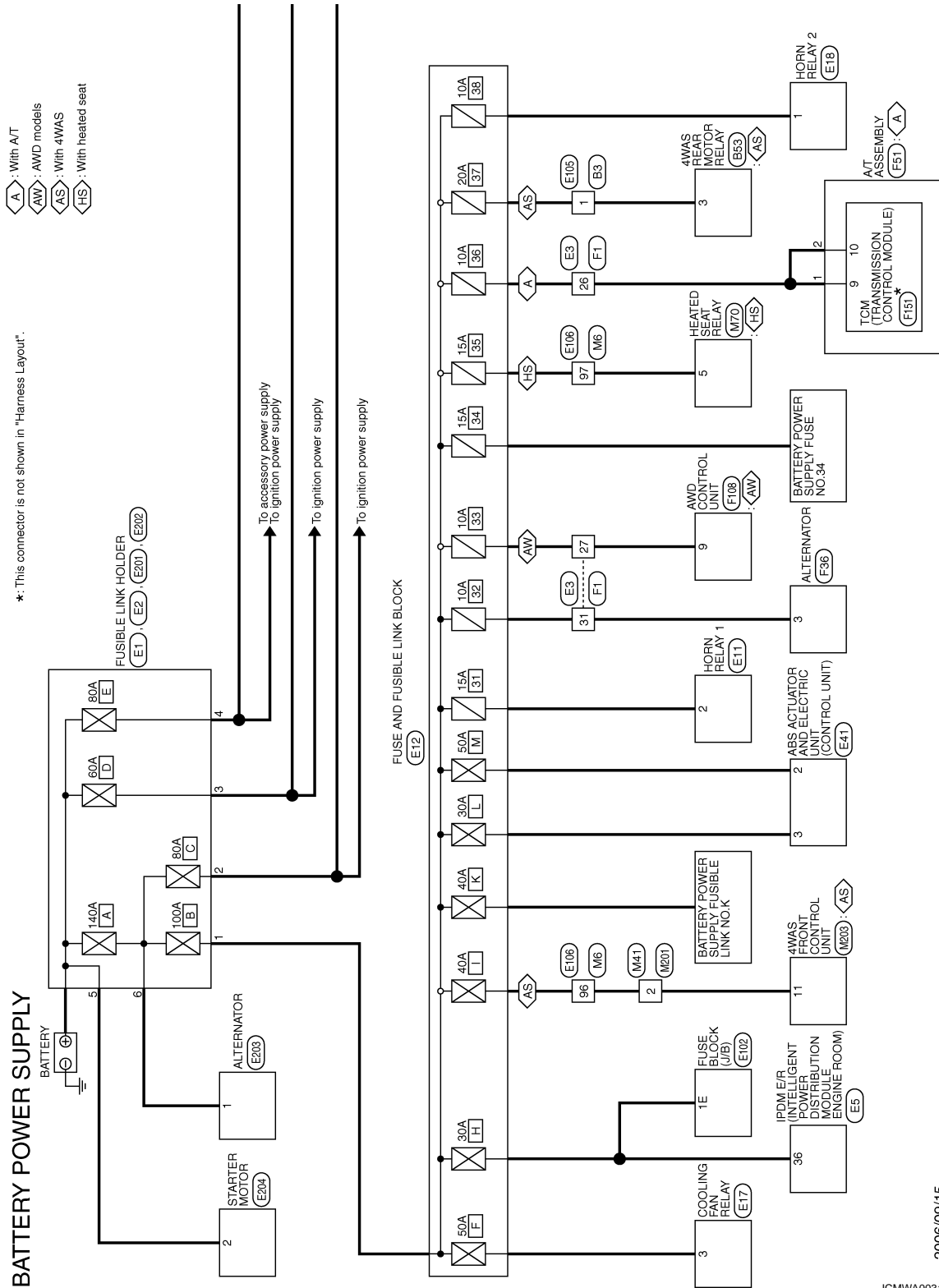
[POWER SUPPLY&GROUND CIRCUIT]

COMPONENT DIAGNOSIS

POWER SUPPLY ROUTING CIRCUIT

Wiring Diagram —Battery Power Supply —

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2006/09/15

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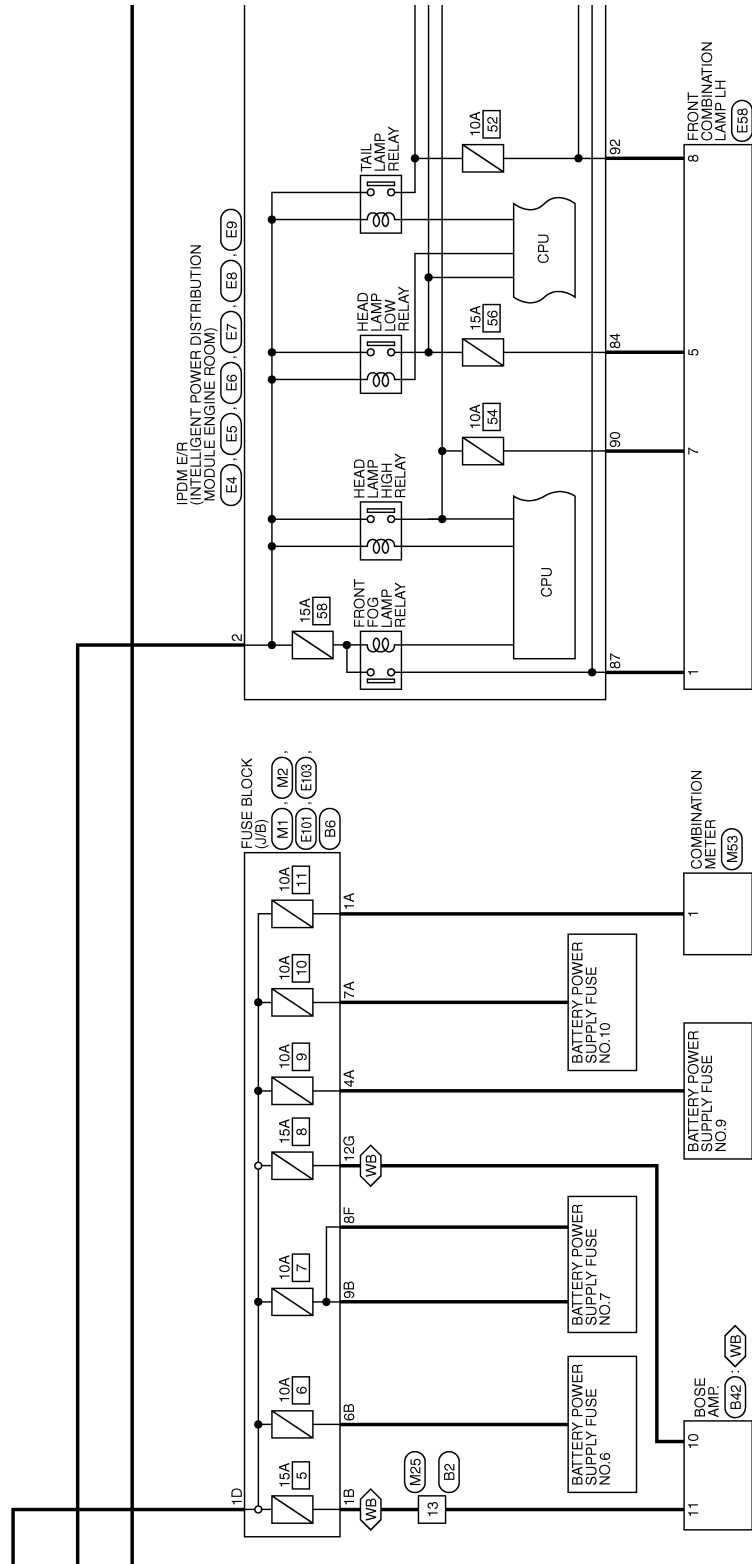
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POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

◀WB▶: With BOSE system

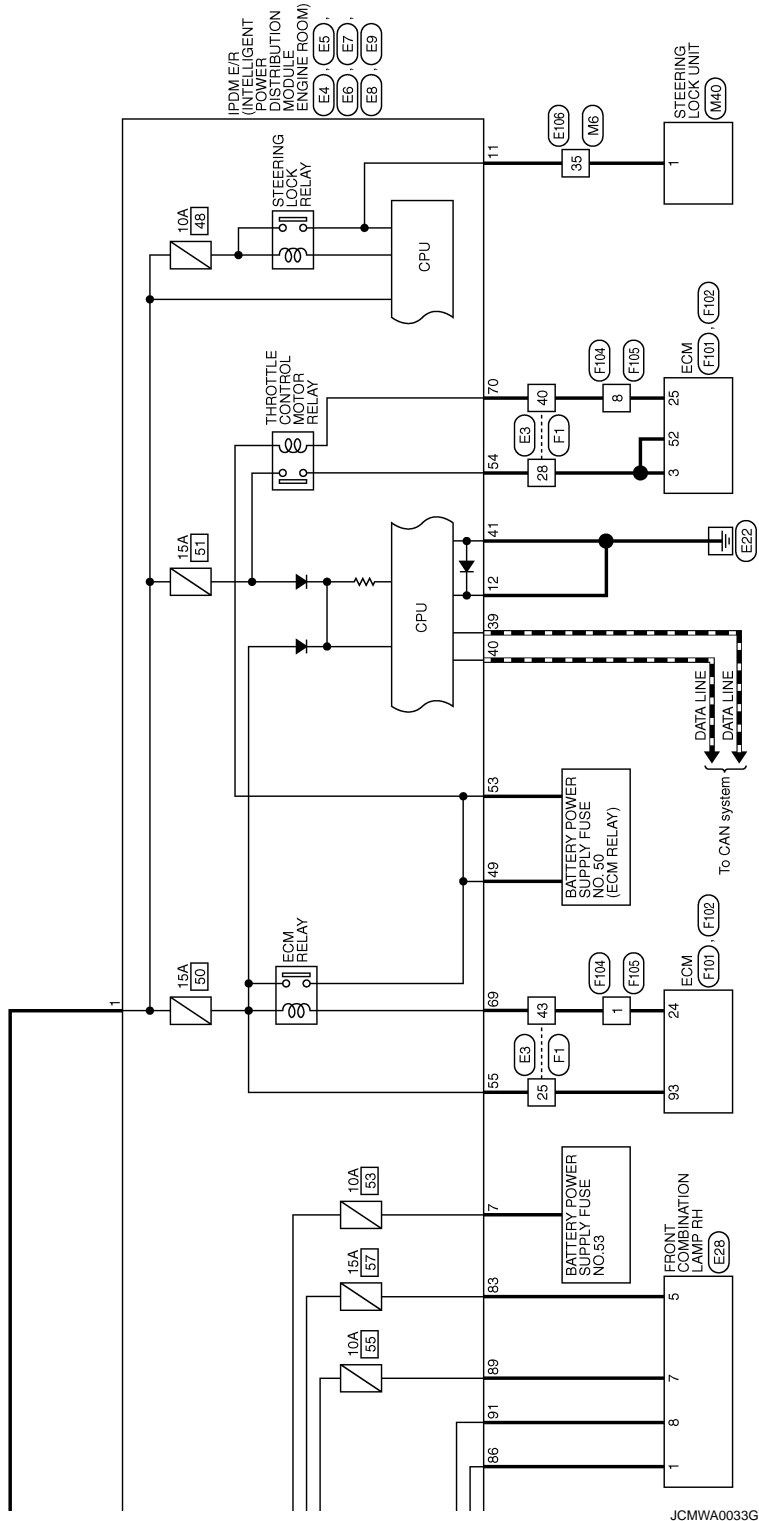


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POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]



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

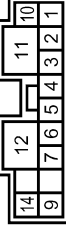



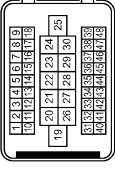
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POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY&GROUND CIRCUIT]

< COMPONENT DIAGNOSIS >

BATTERY POWER SUPPLY

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



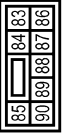
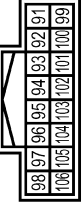



JCMWA0034GE

POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

BATTERY POWER SUPPLY

<table border="1"> <tr><td>Connector No.</td><td>E4</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>10ZFEB-MC</td></tr> </table> 	Connector No.	E4	Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)	Connector Type	10ZFEB-MC	<table border="1"> <tr><td>Terminal No.</td><td>Color of Wire</td><td>Signal Name</td></tr> <tr><td>1</td><td>W</td><td>-</td></tr> <tr><td>2</td><td>L</td><td>-</td></tr> </table>	Terminal No.	Color of Wire	Signal Name	1	W	-	2	L	-												
Connector No.	E4																											
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)																											
Connector Type	10ZFEB-MC																											
Terminal No.	Color of Wire	Signal Name																										
1	W	-																										
2	L	-																										
<table border="1"> <tr><td>Connector No.</td><td>E5</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>TH20FW-CS12-M4-1V</td></tr> </table> 	Connector No.	E5	Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)	Connector Type	TH20FW-CS12-M4-1V	<table border="1"> <tr><td>Terminal No.</td><td>Color of Wire</td><td>Signal Name</td></tr> <tr><td>7</td><td>R</td><td>-</td></tr> <tr><td>11</td><td>BR</td><td>-</td></tr> <tr><td>12</td><td>B/W</td><td>-</td></tr> <tr><td>36</td><td>G</td><td>-</td></tr> </table>	Terminal No.	Color of Wire	Signal Name	7	R	-	11	BR	-	12	B/W	-	36	G	-						
Connector No.	E5																											
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)																											
Connector Type	TH20FW-CS12-M4-1V																											
Terminal No.	Color of Wire	Signal Name																										
7	R	-																										
11	BR	-																										
12	B/W	-																										
36	G	-																										
<table border="1"> <tr><td>Connector No.</td><td>E6</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>TH09FW-NH</td></tr> </table> 	Connector No.	E6	Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)	Connector Type	TH09FW-NH	<table border="1"> <tr><td>Terminal No.</td><td>Color of Wire</td><td>Signal Name</td></tr> <tr><td>39</td><td>P</td><td>-</td></tr> <tr><td>40</td><td>L</td><td>-</td></tr> <tr><td>41</td><td>B/W</td><td>-</td></tr> </table>	Terminal No.	Color of Wire	Signal Name	39	P	-	40	L	-	41	B/W	-									
Connector No.	E6																											
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)																											
Connector Type	TH09FW-NH																											
Terminal No.	Color of Wire	Signal Name																										
39	P	-																										
40	L	-																										
41	B/W	-																										
<table border="1"> <tr><td>Connector No.</td><td>E7</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>TH20FW-CS12-M4</td></tr> </table> 	Connector No.	E7	Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)	Connector Type	TH20FW-CS12-M4	<table border="1"> <tr><td>Terminal No.</td><td>Color of Wire</td><td>Signal Name</td></tr> <tr><td>48</td><td>R</td><td>-</td></tr> <tr><td>53</td><td>W</td><td>-</td></tr> <tr><td>54</td><td>R</td><td>-</td></tr> <tr><td>55</td><td>BR</td><td>-</td></tr> <tr><td>68</td><td>W</td><td>-</td></tr> <tr><td>70</td><td>O</td><td>-</td></tr> </table>	Terminal No.	Color of Wire	Signal Name	48	R	-	53	W	-	54	R	-	55	BR	-	68	W	-	70	O	-
Connector No.	E7																											
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)																											
Connector Type	TH20FW-CS12-M4																											
Terminal No.	Color of Wire	Signal Name																										
48	R	-																										
53	W	-																										
54	R	-																										
55	BR	-																										
68	W	-																										
70	O	-																										
<table border="1"> <tr><td>Connector No.</td><td>E8</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>NSB8FW-CS</td></tr> </table> 	Connector No.	E8	Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)	Connector Type	NSB8FW-CS	<table border="1"> <tr><td>Terminal No.</td><td>Color of Wire</td><td>Signal Name</td></tr> <tr><td>83</td><td>R</td><td>-</td></tr> <tr><td>84</td><td>P</td><td>-</td></tr> <tr><td>86</td><td>W</td><td>-</td></tr> <tr><td>87</td><td>L</td><td>-</td></tr> <tr><td>89</td><td>BR</td><td>-</td></tr> <tr><td>90</td><td>P</td><td>-</td></tr> </table>	Terminal No.	Color of Wire	Signal Name	83	R	-	84	P	-	86	W	-	87	L	-	89	BR	-	90	P	-
Connector No.	E8																											
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)																											
Connector Type	NSB8FW-CS																											
Terminal No.	Color of Wire	Signal Name																										
83	R	-																										
84	P	-																										
86	W	-																										
87	L	-																										
89	BR	-																										
90	P	-																										
<table border="1"> <tr><td>Connector No.</td><td>E9</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>TH16FW-NH</td></tr> </table> 	Connector No.	E9	Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)	Connector Type	TH16FW-NH	<table border="1"> <tr><td>Terminal No.</td><td>Color of Wire</td><td>Signal Name</td></tr> <tr><td>91</td><td>P</td><td>-</td></tr> <tr><td>92</td><td>O</td><td>-</td></tr> </table>	Terminal No.	Color of Wire	Signal Name	91	P	-	92	O	-												
Connector No.	E9																											
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)																											
Connector Type	TH16FW-NH																											
Terminal No.	Color of Wire	Signal Name																										
91	P	-																										
92	O	-																										
<table border="1"> <tr><td>Connector No.</td><td>E10</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>TH09FW-NH</td></tr> </table> 	Connector No.	E10	Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)	Connector Type	TH09FW-NH	<table border="1"> <tr><td>Terminal No.</td><td>Color of Wire</td><td>Signal Name</td></tr> <tr><td>2</td><td>LG</td><td>-</td></tr> </table>	Terminal No.	Color of Wire	Signal Name	2	LG	-															
Connector No.	E10																											
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)																											
Connector Type	TH09FW-NH																											
Terminal No.	Color of Wire	Signal Name																										
2	LG	-																										
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Connector No.	E11																											
Connector Name	HORN RELAY 1																											
Connector Type	24381 7990A																											
Terminal No.	Color of Wire	Signal Name																										
2	LG	-																										
<table border="1"> <tr><td>Connector No.</td><td>E12</td></tr> <tr><td>Connector Name</td><td>COOLING FAN RELAY</td></tr> <tr><td>Connector Type</td><td>24347 9F800</td></tr> </table> 	Connector No.	E12	Connector Name	COOLING FAN RELAY	Connector Type	24347 9F800	<table border="1"> <tr><td>Terminal No.</td><td>Color of Wire</td><td>Signal Name</td></tr> <tr><td>3</td><td>W</td><td>-</td></tr> </table>	Terminal No.	Color of Wire	Signal Name	3	W	-															
Connector No.	E12																											
Connector Name	COOLING FAN RELAY																											
Connector Type	24347 9F800																											
Terminal No.	Color of Wire	Signal Name																										
3	W	-																										

















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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>E18</td></tr> <tr><td>Connector Name</td><td>HORN RELAY 2</td></tr> <tr><td>Connector Type</td><td>M03FW-R-LC</td></tr> </table>  	Connector No.	E18	Connector Name	HORN RELAY 2	Connector Type	M03FW-R-LC	<table border="1"> <tr><td>Terminal No.</td><td>1</td></tr> <tr><td>Color of Wire</td><td>R</td></tr> </table> <table border="1"> <tr><td>Signal Name</td><td>-</td></tr> </table>	Terminal No.	1	Color of Wire	R	Signal Name	-						
Connector No.	E18																		
Connector Name	HORN RELAY 2																		
Connector Type	M03FW-R-LC																		
Terminal No.	1																		
Color of Wire	R																		
Signal Name	-																		
<table border="1"> <tr><td>Connector No.</td><td>E18</td></tr> <tr><td>Connector Name</td><td>FRONT COMBINATION LAMP RH</td></tr> <tr><td>Connector Type</td><td>RS08FB-PR</td></tr> </table>  	Connector No.	E18	Connector Name	FRONT COMBINATION LAMP RH	Connector Type	RS08FB-PR	<table border="1"> <tr><td>Terminal No.</td><td>1</td></tr> <tr><td>Color of Wire</td><td>W</td></tr> <tr><td>5</td><td>R</td></tr> <tr><td>7</td><td>BR</td></tr> <tr><td>8</td><td>P</td></tr> </table> <table border="1"> <tr><td>Signal Name</td><td>-</td></tr> </table>	Terminal No.	1	Color of Wire	W	5	R	7	BR	8	P	Signal Name	-
Connector No.	E18																		
Connector Name	FRONT COMBINATION LAMP RH																		
Connector Type	RS08FB-PR																		
Terminal No.	1																		
Color of Wire	W																		
5	R																		
7	BR																		
8	P																		
Signal Name	-																		
<table border="1"> <tr><td>Connector No.</td><td>E41</td></tr> <tr><td>Connector Name</td><td>ABS ACTUATOR AND ELECTRIC UNIT</td></tr> <tr><td>Connector Type</td><td>BAA42FB-AH24-LH</td></tr> </table>  	Connector No.	E41	Connector Name	ABS ACTUATOR AND ELECTRIC UNIT	Connector Type	BAA42FB-AH24-LH	<table border="1"> <tr><td>Terminal No.</td><td>2</td></tr> <tr><td>Color of Wire</td><td>G</td></tr> <tr><td>3</td><td>R</td></tr> </table> <table border="1"> <tr><td>Signal Name</td><td>UEBMR</td></tr> <tr><td></td><td>UEBYR</td></tr> </table>	Terminal No.	2	Color of Wire	G	3	R	Signal Name	UEBMR		UEBYR		
Connector No.	E41																		
Connector Name	ABS ACTUATOR AND ELECTRIC UNIT																		
Connector Type	BAA42FB-AH24-LH																		
Terminal No.	2																		
Color of Wire	G																		
3	R																		
Signal Name	UEBMR																		
	UEBYR																		
<table border="1"> <tr><td>Connector No.</td><td>E58</td></tr> <tr><td>Connector Name</td><td>FRONT COMBINATION LAMP LH</td></tr> <tr><td>Connector Type</td><td>RS08FB-PR</td></tr> </table>  	Connector No.	E58	Connector Name	FRONT COMBINATION LAMP LH	Connector Type	RS08FB-PR	<table border="1"> <tr><td>Terminal No.</td><td>1</td></tr> <tr><td>Color of Wire</td><td>L</td></tr> <tr><td>5</td><td>P</td></tr> <tr><td>7</td><td>P</td></tr> <tr><td>8</td><td>O</td></tr> </table> <table border="1"> <tr><td>Signal Name</td><td>-</td></tr> </table>	Terminal No.	1	Color of Wire	L	5	P	7	P	8	O	Signal Name	-
Connector No.	E58																		
Connector Name	FRONT COMBINATION LAMP LH																		
Connector Type	RS08FB-PR																		
Terminal No.	1																		
Color of Wire	L																		
5	P																		
7	P																		
8	O																		
Signal Name	-																		
<table border="1"> <tr><td>Connector No.</td><td>E101</td></tr> <tr><td>Connector Name</td><td>FUSE BLOCK (J/B)</td></tr> <tr><td>Connector Type</td><td>L01FW-MC</td></tr> </table>  	Connector No.	E101	Connector Name	FUSE BLOCK (J/B)	Connector Type	L01FW-MC	<table border="1"> <tr><td>Terminal No.</td><td>1D</td></tr> <tr><td>Color of Wire</td><td>R</td></tr> </table> <table border="1"> <tr><td>Signal Name</td><td>-</td></tr> </table>	Terminal No.	1D	Color of Wire	R	Signal Name	-						
Connector No.	E101																		
Connector Name	FUSE BLOCK (J/B)																		
Connector Type	L01FW-MC																		
Terminal No.	1D																		
Color of Wire	R																		
Signal Name	-																		
<table border="1"> <tr><td>Connector No.</td><td>E102</td></tr> <tr><td>Connector Name</td><td>FUSE BLOCK (J/B)</td></tr> <tr><td>Connector Type</td><td>M02FB-LC</td></tr> </table>  	Connector No.	E102	Connector Name	FUSE BLOCK (J/B)	Connector Type	M02FB-LC	<table border="1"> <tr><td>Terminal No.</td><td>1E</td></tr> <tr><td>Color of Wire</td><td>G</td></tr> </table> <table border="1"> <tr><td>Signal Name</td><td>-</td></tr> </table>	Terminal No.	1E	Color of Wire	G	Signal Name	-						
Connector No.	E102																		
Connector Name	FUSE BLOCK (J/B)																		
Connector Type	M02FB-LC																		
Terminal No.	1E																		
Color of Wire	G																		
Signal Name	-																		
<table border="1"> <tr><td>Connector No.</td><td>E103</td></tr> <tr><td>Connector Name</td><td>FUSE BLOCK (J/B)</td></tr> <tr><td>Connector Type</td><td>NSI08FY-CS</td></tr> </table>  	Connector No.	E103	Connector Name	FUSE BLOCK (J/B)	Connector Type	NSI08FY-CS	<table border="1"> <tr><td>Terminal No.</td><td>8F</td></tr> <tr><td>Color of Wire</td><td>L</td></tr> </table> <table border="1"> <tr><td>Signal Name</td><td>-</td></tr> </table>	Terminal No.	8F	Color of Wire	L	Signal Name	-						
Connector No.	E103																		
Connector Name	FUSE BLOCK (J/B)																		
Connector Type	NSI08FY-CS																		
Terminal No.	8F																		
Color of Wire	L																		
Signal Name	-																		
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Connector No.	E105																		
Connector Name	WIRE TO WIRE																		
Connector Type	M02MW-LC																		
Terminal No.	1																		
Color of Wire	L																		
Signal Name	-																		

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POWER SUPPLY ROUTING CIRCUIT

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[POWER SUPPLY&GROUND CIRCUIT]



BATTERY POWER SUPPLY

Connector No.	E203
Connector Name	ALTERNATOR
Connector Type	24340 85F45



Terminal No.	1	R	Signal Name	B
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Connector No.	E202
Connector Name	FUSIBLE LINK HOLDER
Connector Type	24340 79905


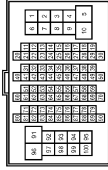
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Connector No.	E201
Connector Name	FUSIBLE LINK HOLDER
Connector Type	24340 79908


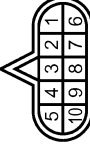
Terminal No.	5	Y	Signal Name	-
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Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	TH90FW-C516-TM4



Terminal No.	35	BR	Signal Name	-
Terminal No.	96	R	Signal Name	-
Terminal No.	97	R	Signal Name	-

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


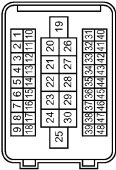
Terminal No.	1	BR	Signal Name	-
Terminal No.	2	BR	Signal Name	-

Connector No.	F36
Connector Name	ALTERNATOR
Connector Type	HS09FB



Terminal No.	3	Y	Signal Name	S
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Connector No.	F1
Connector Name	WIRE TO WIRE
Connector Type	SA438FB-RS10-SJZZ

Terminal No.	25	P	Signal Name	-
Terminal No.	26	BR	Signal Name	-
Terminal No.	27	O	Signal Name	-
Terminal No.	28	R	Signal Name	-
Terminal No.	31	V	Signal Name	-
Terminal No.	40	O	Signal Name	-
Terminal No.	43	BR	Signal Name	-

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

Terminal No.	2	Y	Signal Name	-
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POWER SUPPLY ROUTING CIRCUIT

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[POWER SUPPLY&GROUND CIRCUIT]

BATTERY POWER SUPPLY

Connector No.	F101	Connector No.	F102	Connector No.	F104	Connector No.	F105
Connector Name	ECM	Connector Name	ECM	Connector Name	WIRE TO WIRE	Connector Name	WIRE TO WIRE
Connector Type	MAA4DFB-MEA8-RH-Z	Connector Type	MAA4DFB-MEA8-RH-Z	Connector Type	TH03FW-NH	Connector Type	TH03MW-NH
Terminal No.	3	Terminal No.	52	Terminal No.	1	Terminal No.	1
Color of Wire	R	Color of Wire	R	Color of Wire	BR	Color of Wire	BR
Signal Name	VMOT-B1	Color of Wire	P	Color of Wire	O	Color of Wire	O
Signal Name	SSOFF	Signal Name	VMOT-B2	Signal Name	-	Signal Name	-
Signal Name	MOTRLY-B1	Signal Name	BATT	Signal Name	-	Signal Name	-

Connector No.	F108	Connector No.	F151	Connector No.	M1	Connector No.	M2
Connector Name	AWD CONTROL UNIT	Connector Name	TCM (TRANSMISSION CONTROL MODULE)	Connector Name	FUSE BLOCK (J/B)	Connector Name	FUSE BLOCK (J/B)
Connector Type	TH16FW-NH	Connector Type	SP10FBGY	Connector Type	NS08FW-M2	Connector Type	NS10FW-GS
Terminal No.	9	Terminal No.	9	Terminal No.	1A	Terminal No.	1B
Color of Wire	O	Color of Wire	W	Color of Wire	GR	Color of Wire	SB
Signal Name	AWD SOL BATT	Color of Wire	GR	Color of Wire	P	Color of Wire	Y
Signal Name	-	Signal Name	STANDBY SUPPLY-1	Color of Wire	R	Color of Wire	SB
Signal Name	-	Signal Name	STANDBY SUPPLY-2	Signal Name	-	Signal Name	-


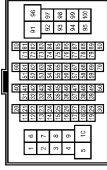


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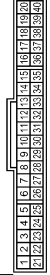


POWER SUPPLY ROUTING CIRCUIT


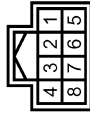


< COMPONENT DIAGNOSIS >





[POWER SUPPLY&GROUND CIRCUIT]




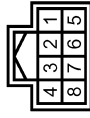
BATTERY POWER SUPPLY





Connector No.	M6	Connector No.	M41
Connector Name	WIRE TO WIRE	Connector Name	WIRE TO WIRE
Connector Type	THROW-CS16-TM4	Connector Type	M02FB-LC
			
Terminal No.	35	Terminal No.	2
Color of Wire	BR	Color of Wire	R
	R	Signal Name	-
	L		


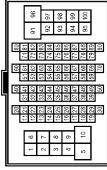


Connector No.	M53	Connector No.	M203
Connector Name	COMBINATION METER	Connector Name	4WAS FRONT CONTROL UNIT
Connector Type	SAB4QFV	Connector Type	SNA02FGY
			
Terminal No.	1	Terminal No.	11
Color of Wire	GR	Color of Wire	R
		Signal Name	F-MTR PMR SUPPLY


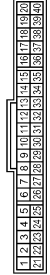


Connector No.	M40	Connector No.	M201
Connector Name	STEERING LOCK UNIT	Connector Name	WIRE TO WIRE
Connector Type	TH09FW-NH	Connector Type	M02HB-P-LC
			
Terminal No.	1	Terminal No.	2
Color of Wire	BR	Color of Wire	R
	S/L 12V (MECHANICAL)	Signal Name	-

Connector No.	M70	Connector No.	M202
Connector Name	HEATED SEAT RELAY	Connector Name	WIRE TO WIRE
Connector Type	MS02FL-M2	Connector Type	M02HB-P-LC
			
Terminal No.	5	Terminal No.	2
Color of Wire	L	Color of Wire	R
		Signal Name	-

Connector No.	M25	Connector No.	M40
Connector Name	WIRE TO WIRE	Connector Name	STEERING LOCK UNIT
Connector Type	NS16MW-CS	Connector Type	TH09FW-NH
			
Terminal No.	13	Terminal No.	1
Color of Wire	SB	Color of Wire	BR
		Signal Name	S/L 12V (MECHANICAL)

Connector No.	M70	Connector No.	M201
Connector Name	HEATED SEAT RELAY	Connector Name	WIRE TO WIRE
Connector Type	MS02FL-M2	Connector Type	M02HB-P-LC
			
Terminal No.	5	Terminal No.	2
Color of Wire	L	Color of Wire	R
		Signal Name	-

Connector No.	M6	Connector No.	M41
Connector Name	WIRE TO WIRE	Connector Name	WIRE TO WIRE
Connector Type	THROW-CS16-TM4	Connector Type	M02FB-LC
			
Terminal No.	35	Terminal No.	2
Color of Wire	BR	Color of Wire	R
	R	Signal Name	-
	L		

Connector No.	M53	Connector No.	M203
Connector Name	COMBINATION METER	Connector Name	4WAS FRONT CONTROL UNIT
Connector Type	SAB4QFV	Connector Type	SNA02FGY
			
Terminal No.	1	Terminal No.	11
Color of Wire	GR	Color of Wire	R
		Signal Name	F-MTR PMR SUPPLY

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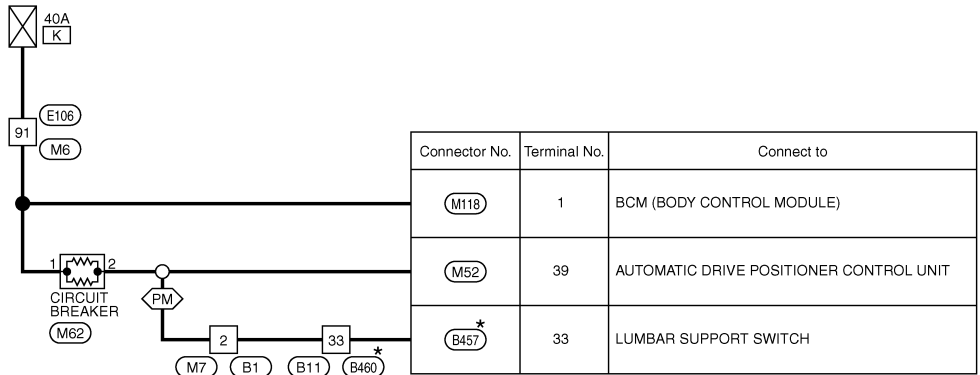
POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSIBLE LINK NO.K

 : With automatic drive positioner



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

2006/09/15

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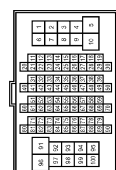
POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

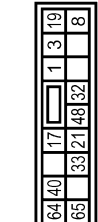
BATTERY POWER SUPPLY FUSIBLE LINK NO.K

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




Terminal No.	2	SB	Signal Name	-
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Connector No.	B11
Connector Name	WIRE TO WIRE (With automatic drive positioner)
Connector Type	NS16FW-CS



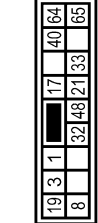
Terminal No.	33	SB	Signal Name	-
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Connector No.	B457
Connector Name	LUMBAR SUPPORT SWITCH
Connector Type	NS04FW-CS



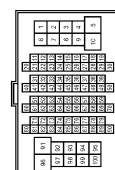
Terminal No.	33	R	Signal Name	-
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Connector No.	B480
Connector Name	WIRE TO WIRE (With automatic drive positioner)
Connector Type	NS16MW-CS




Terminal No.	33	R	Signal Name	-
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Connector No.	E105
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4



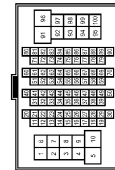
Terminal No.	91	W	Signal Name	-
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Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4



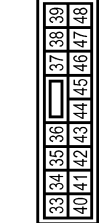
Terminal No.	91	W	Signal Name	-
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Connector No.	M7
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4



Terminal No.	2	SB	Signal Name	- [With automatic drive positioner]
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Connector No.	M52
Connector Name	AUTOMATIC DRIVE POSITIONER CONTROL UNIT
Connector Type	NS16FW-CS



Terminal No.	38	W	Signal Name	BAT. (C/B)
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POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSIBLE LINK NO.K

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



Terminal No.	Color of Wire	Signal Name
1	W	-
2	SB	[With automatic drive positioner]

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



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

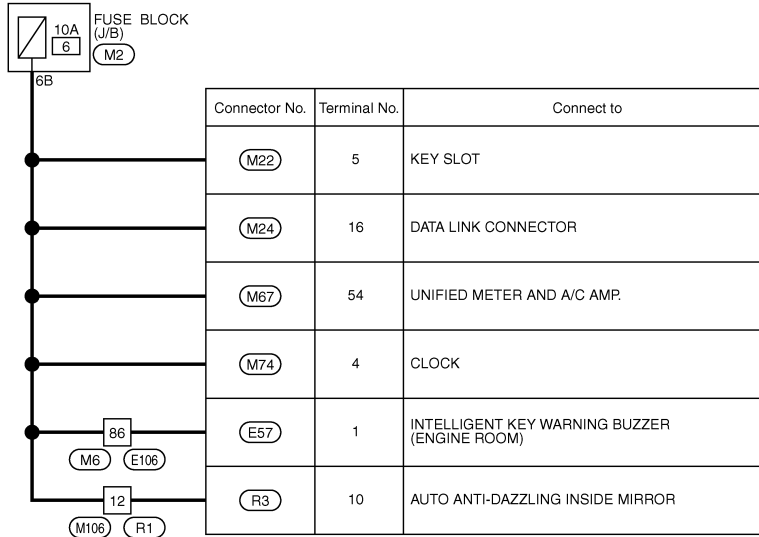
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POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE NO.6



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POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

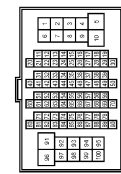
BATTERY POWER SUPPLY FUSE NO.6

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



Terminal No.	1	Color of Wire	LG	Signal Name	-
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Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	TH09FW-CS16-TM4



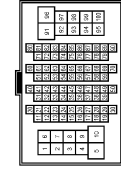
Terminal No.	86	Color of Wire	LG	Signal Name	-
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Connector No.	M2
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS10FW-CS



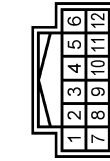
Terminal No.	6B	Color of Wire	Y	Signal Name	-
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Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TH09MW-CS16-TM4



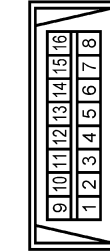
Terminal No.	86	Color of Wire	Y	Signal Name	-
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Connector No.	M22
Connector Name	KEY SLOT
Connector Type	TH12FW-NH



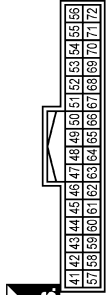
Terminal No.	5	Color of Wire	Y	Signal Name	ILL.BAT
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Connector No.	M24
Connector Name	DATA LINK CONNECTOR
Connector Type	BD16FW



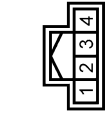
Terminal No.	16	Color of Wire	R	Signal Name	-
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Connector No.	M67
Connector Name	UNIFIED METER AND A/C AMP.
Connector Type	TH02FW-NH



Terminal No.	54	Color of Wire	Y	Signal Name	BAT
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Connector No.	M74
Connector Name	GLOCK
Connector Type	TH04FW-NH



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

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE NO.6

Connector No.	M106
Connector Name	WIRE TO WIRE
Connector Type	TK DMW-NS8



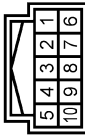
Terminal No.	12	Y	Signal Name	-
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Connector No.	R1
Connector Name	WIRE TO WIRE
Connector Type	TK DMW-NS8



Terminal No.	12	G	Signal Name	-
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Connector No.	R3
Connector Name	AUTO ANTI-DAZZLING INSIDE MIRROR
Connector Type	TH OFB-NH



Terminal No.	10	G	Signal Name	BAT
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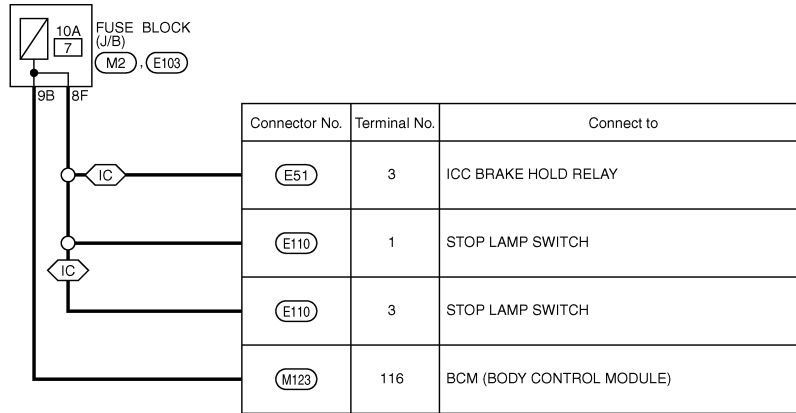
POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE NO.7

⬠IC⬠: With ICC



2006/09/15

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POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE NO.7

Connector No.	E51
Connector Name	CC BRAKE HOLD RELAY
Connector Type	MS02EL-MZ



Terminal No.	3	Color of Wire	R	Signal Name	-
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Connector No.	E103
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS10FW-CS



Terminal No.	8F	Color of Wire	L	Signal Name	-
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Connector No.	E110
Connector Name	STOP LAMP SWITCH
Connector Type	MG4FW-LC



Terminal No.	3	Color of Wire	L	Signal Name	-
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Connector No.	MZ
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS10FW-CS



Terminal No.	9B	Color of Wire	SB	Signal Name	-
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Connector No.	M123
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FG-NH



Terminal No.	116	Color of Wire	SB	Signal Name	STOP LAMP LOW
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
JCMWA0053GE

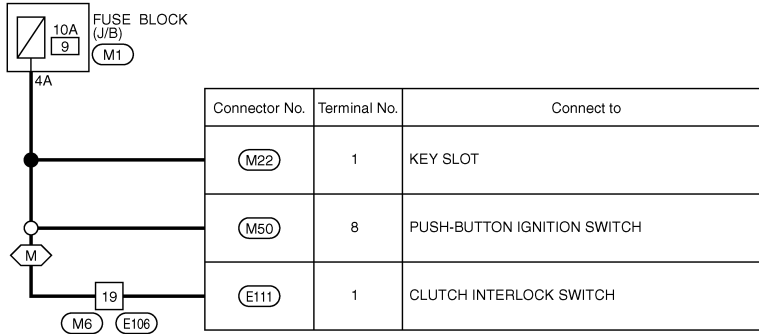
POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE NO.9

: With M/T



2006/09/15

JCMWA0054GE

POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE NO.9

Connector No.	E106	Connector No.	M6
Connector Name	WIRE TO WIRE	Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4	Connector Type	TH80MW-CS16-TM4

Terminal No.	19	Terminal No.	19
Color of Wire	G	Color of Wire	G
Signal Name	-	Signal Name	-

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

Terminal No.	4A	Terminal No.	4A
Color of Wire	P	Color of Wire	P
Signal Name	-	Signal Name	-

Connector No.	E111	Connector No.	E111
Connector Name	SLUTCH INTERLOCK SWITCH	Connector Name	SLUTCH INTERLOCK SWITCH
Connector Type	S02FL	Connector Type	S02FL

Terminal No.	1	Terminal No.	1
Color of Wire	G	Color of Wire	G
Signal Name	-	Signal Name	-

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

Terminal No.	1	Terminal No.	1
Color of Wire	R	Color of Wire	R
Signal Name	BAT	Signal Name	BAT

Connector No.	M60	Connector No.	M60
Connector Name	PUSH-BUTTON IGNITION SWITCH	Connector Name	PUSH-BUTTON IGNITION SWITCH
Connector Type	TK08FBR	Connector Type	TK08FBR

Terminal No.	8	Terminal No.	8
Color of Wire	P	Color of Wire	P
Signal Name	-	Signal Name	-

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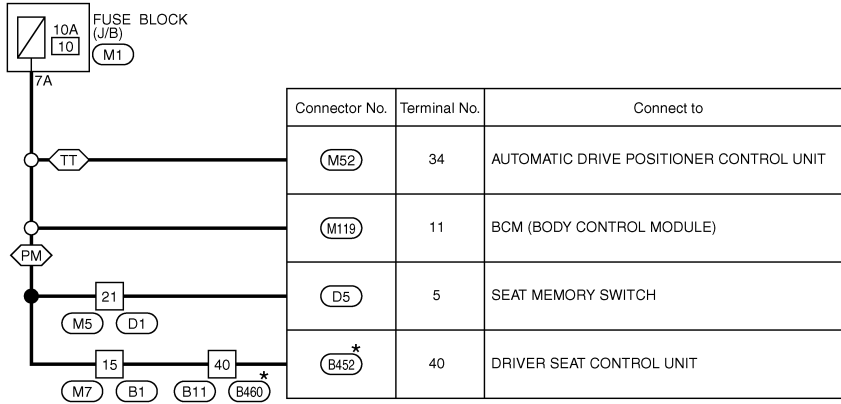
POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE NO.10

 : With automatic drive positioner
 : With tilt & telescopic system



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

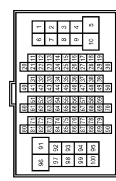
POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]


BATTERY POWER SUPPLY FUSE NO.10

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




Terminal No.	15	BR	Signal Name	-
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Connector No.	B11
Connector Name	WIRE TO WIRE (With automatic drive positioner)
Connector Type	NS16FW-CS




Terminal No.	40	BR	Signal Name	-
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Connector No.	B452
Connector Name	DRIVER SEAT CONTROL UNIT
Connector Type	NS16FW-CS



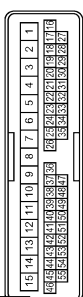
Terminal No.	40	R/W	Signal Name	BAT(FUSE)
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Connector No.	B480
Connector Name	WIRE TO WIRE (With automatic drive positioner)
Connector Type	NS16MW-CS




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



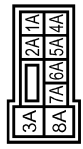
Terminal No.	21	R	Signal Name	-
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Connector No.	D5
Connector Name	SEAT MEMORY SWITCH
Connector Type	A08FW



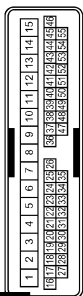
Terminal No.	5	R	Signal Name	-
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Connector No.	M1
Connector Name	FUSE BLOCK (J/FB)
Connector Type	NS08FW-M2



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



Terminal No.	21	R	Signal Name	-
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POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]



BATTERY POWER SUPPLY FUSE NO.10

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



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

Terminal No.	34	Color of Wire	R	Signal Name	BAT.(FUSE)
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Connector No.	M119
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	NS16FW-CS

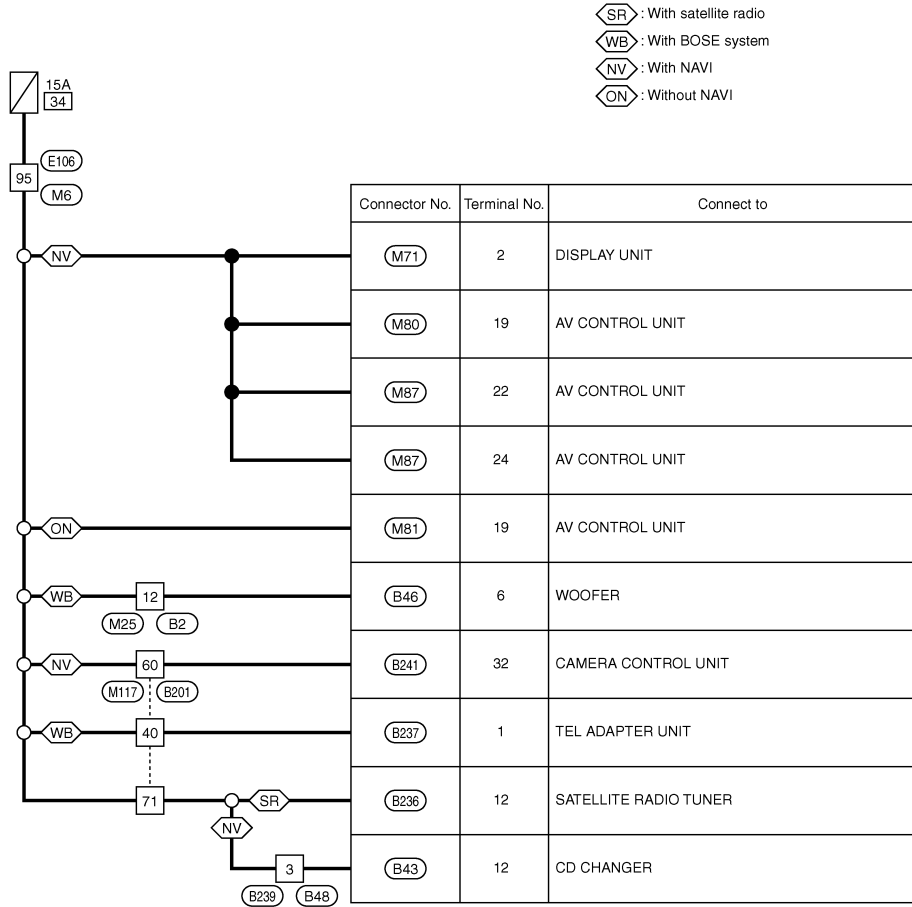
Terminal No.	11	Color of Wire	R	Signal Name	BAT.(FUSE)
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POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE NO.34



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POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE NO.34

<table border="1"> <tr><td>Connector No.</td><td>B2</td></tr> <tr><td>Connector Name</td><td>WIRE TO WIRE</td></tr> <tr><td>Connector Type</td><td>NS1BFW-CS</td></tr> </table>   <table border="1"> <tr><td>Terminal No.</td><td>12</td><td>Y</td><td></td></tr> <tr><td>Color of Wire</td><td></td><td></td><td></td></tr> <tr><td>Signal Name</td><td></td><td></td><td>-</td></tr> </table>	Connector No.	B2	Connector Name	WIRE TO WIRE	Connector Type	NS1BFW-CS	Terminal No.	12	Y		Color of Wire				Signal Name			-	<table border="1"> <tr><td>Connector No.</td><td>B43</td></tr> <tr><td>Connector Name</td><td>CD CHANGER</td></tr> <tr><td>Connector Type</td><td>A1BFW</td></tr> </table>   <table border="1"> <tr><td>Terminal No.</td><td>12</td><td>Y</td><td></td></tr> <tr><td>Color of Wire</td><td></td><td></td><td></td></tr> <tr><td>Signal Name</td><td></td><td></td><td>BATTERY</td></tr> </table>	Connector No.	B43	Connector Name	CD CHANGER	Connector Type	A1BFW	Terminal No.	12	Y		Color of Wire				Signal Name			BATTERY	<table border="1"> <tr><td>Connector No.</td><td>B46</td></tr> <tr><td>Connector Name</td><td>WOOFER</td></tr> <tr><td>Connector Type</td><td>NS09BFR-CS</td></tr> </table>   <table border="1"> <tr><td>Terminal No.</td><td>6</td><td>Y</td><td></td></tr> <tr><td>Color of Wire</td><td></td><td></td><td></td></tr> <tr><td>Signal Name</td><td></td><td></td><td>BATTERY</td></tr> </table>	Connector No.	B46	Connector Name	WOOFER	Connector Type	NS09BFR-CS	Terminal No.	6	Y		Color of Wire				Signal Name			BATTERY	<table border="1"> <tr><td>Connector No.</td><td>B48</td></tr> <tr><td>Connector Name</td><td>WIRE TO WIRE</td></tr> <tr><td>Connector Type</td><td>A1BWM</td></tr> </table>   <table border="1"> <tr><td>Terminal No.</td><td>3</td><td>Y</td><td></td></tr> <tr><td>Color of Wire</td><td></td><td></td><td></td></tr> <tr><td>Signal Name</td><td></td><td></td><td>-</td></tr> </table>	Connector No.	B48	Connector Name	WIRE TO WIRE	Connector Type	A1BWM	Terminal No.	3	Y		Color of Wire				Signal Name			-
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Signal Name			-																																																																								
<table border="1"> <tr><td>Connector No.</td><td>B201</td></tr> <tr><td>Connector Name</td><td>WIRE TO WIRE</td></tr> <tr><td>Connector Type</td><td>TH8DFW-CS16-TM4</td></tr> </table>   <table border="1"> <tr><td>Terminal No.</td><td>60</td><td>L</td><td></td></tr> <tr><td>Color of Wire</td><td></td><td></td><td></td></tr> <tr><td>Signal Name</td><td></td><td></td><td>-</td></tr> </table>	Connector No.	B201	Connector Name	WIRE TO WIRE	Connector Type	TH8DFW-CS16-TM4	Terminal No.	60	L		Color of Wire				Signal Name			-	<table border="1"> <tr><td>Connector No.</td><td>B236</td></tr> <tr><td>Connector Name</td><td>SATELLITE RADIO TUNER</td></tr> <tr><td>Connector Type</td><td>A1BFW</td></tr> </table>   <table border="1"> <tr><td>Terminal No.</td><td>12</td><td>Y</td><td></td></tr> <tr><td>Color of Wire</td><td></td><td></td><td></td></tr> <tr><td>Signal Name</td><td></td><td></td><td>BATTERY</td></tr> </table>	Connector No.	B236	Connector Name	SATELLITE RADIO TUNER	Connector Type	A1BFW	Terminal No.	12	Y		Color of Wire				Signal Name			BATTERY	<table border="1"> <tr><td>Connector No.</td><td>B237</td></tr> <tr><td>Connector Name</td><td>TEL ADAPTER UNIT</td></tr> <tr><td>Connector Type</td><td>TH32FW-RH</td></tr> </table>   <table border="1"> <tr><td>Terminal No.</td><td>1</td><td>Y</td><td></td></tr> <tr><td>Color of Wire</td><td></td><td></td><td></td></tr> <tr><td>Signal Name</td><td></td><td></td><td>BATTERY</td></tr> </table>	Connector No.	B237	Connector Name	TEL ADAPTER UNIT	Connector Type	TH32FW-RH	Terminal No.	1	Y		Color of Wire				Signal Name			BATTERY	<table border="1"> <tr><td>Connector No.</td><td>B239</td></tr> <tr><td>Connector Name</td><td>WIRE TO WIRE</td></tr> <tr><td>Connector Type</td><td>A1BFW</td></tr> </table>   <table border="1"> <tr><td>Terminal No.</td><td>3</td><td>Y</td><td></td></tr> <tr><td>Color of Wire</td><td></td><td></td><td></td></tr> <tr><td>Signal Name</td><td></td><td></td><td>-</td></tr> </table>	Connector No.	B239	Connector Name	WIRE TO WIRE	Connector Type	A1BFW	Terminal No.	3	Y		Color of Wire				Signal Name			-
Connector No.	B201																																																																										
Connector Name	WIRE TO WIRE																																																																										
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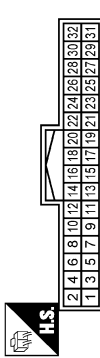
POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

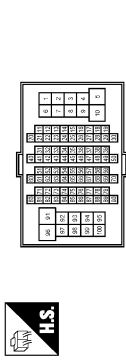
BATTERY POWER SUPPLY FUSE NO.34

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



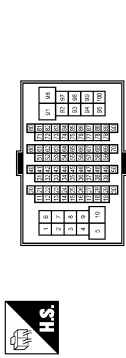
Terminal No.	32	Color of Wire	L	Signal Name	BATTERY
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Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	TH30FW-CS16-TM4



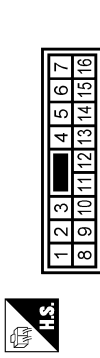
Terminal No.	40	Color of Wire	W	Signal Name	-
	95	Color of Wire	Y	Signal Name	-

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TH30MW-CS16-TM4



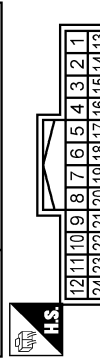
Terminal No.	40	Color of Wire	W	Signal Name	-
	95	Color of Wire	Y	Signal Name	-

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



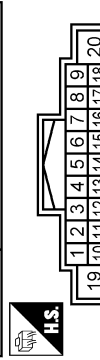
Terminal No.	12	Color of Wire	Y	Signal Name	-
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Connector No.	M71
Connector Name	DISPLAY UNIT
Connector Type	TH24FW-NH



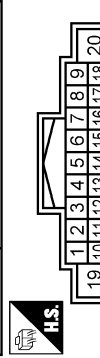
Terminal No.	2	Color of Wire	Y	Signal Name	BATTERY (With MAVI)
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Connector No.	M60
Connector Name	NAVI CONTROL UNIT
Connector Type	TH18FW-CS2



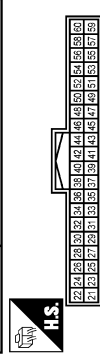
Terminal No.	19	Color of Wire	Y	Signal Name	BATTERY
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Connector No.	M81
Connector Name	AV CONTROL UNIT
Connector Type	TH18FW-CS2



Terminal No.	19	Color of Wire	Y	Signal Name	BATTERY
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Connector No.	M87
Connector Name	AV CONTROL UNIT
Connector Type	TH40FW-NH



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

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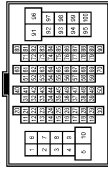
POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE NO.34

Connector No.	IM17
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CSI6-TM4



Terminal No.	Color of Wire	Signal Name
60	Y	-
71	Y	-

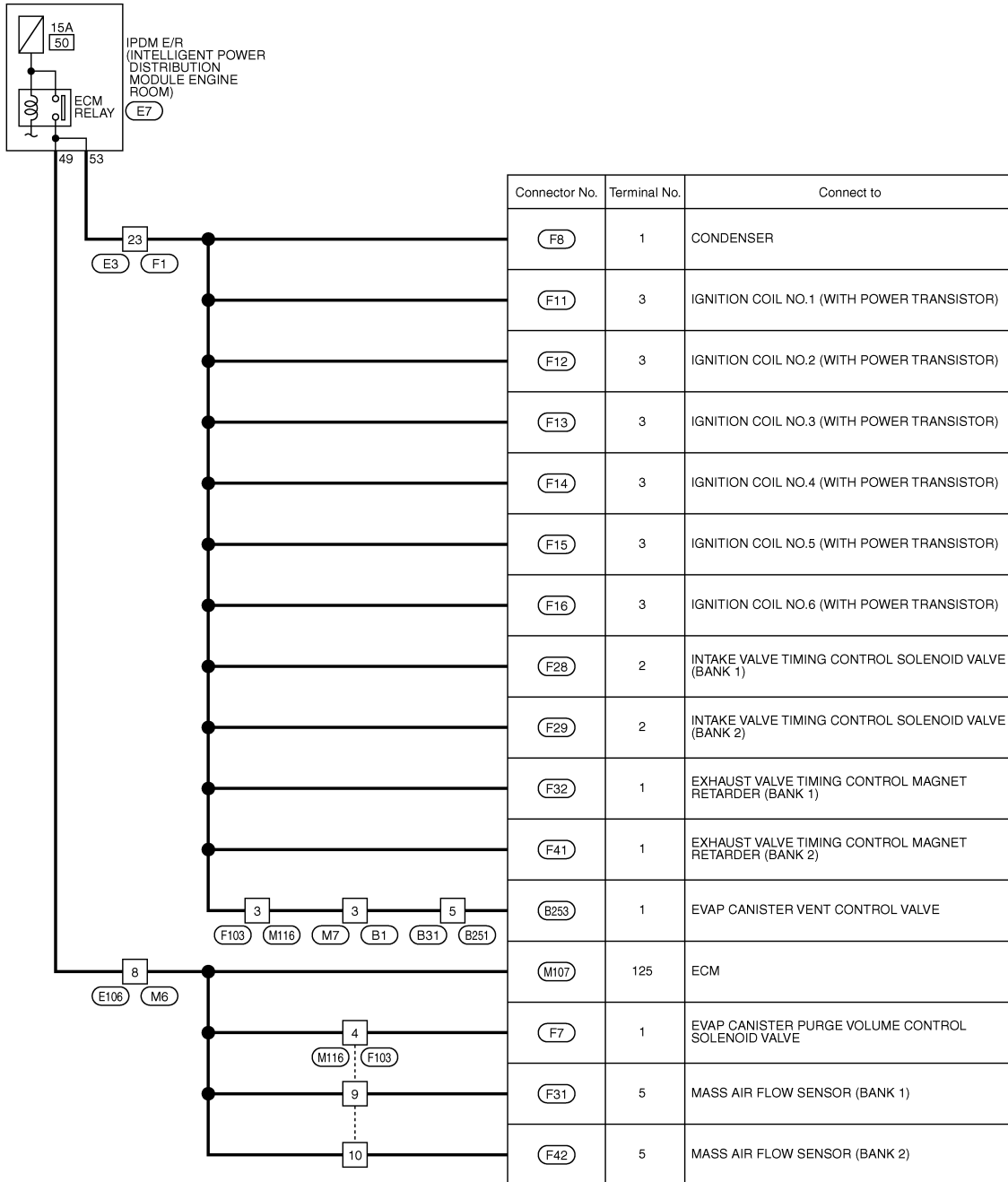
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POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE NO.50 (ECM RELAY)



2006/09/15

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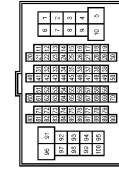
POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE NO.50 (ECM RELAY)

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



Terminal No.	3	Color of Wire	V	Signal Name	-
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Connector No.	B31
Connector Name	WIRE TO WIRE
Connector Type	RS06FB-PR



Terminal No.	5	Color of Wire	V	Signal Name	-
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Connector No.	B251
Connector Name	WIRE TO WIRE
Connector Type	RS06MB



Terminal No.	5	Color of Wire	W	Signal Name	-
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Connector No.	B253
Connector Name	EVAP CANISTER VENT CONTROL VALVE
Connector Type	EO2FB-RS



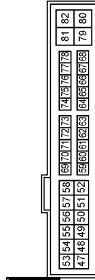
Terminal No.	1	Color of Wire	W	Signal Name	-
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Connector No.	E3
Connector Name	WIRE TO WIRE
Connector Type	SAA38MF-RS1D-SJZ2



Terminal No.	23	Color of Wire	W	Signal Name	-
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Connector No.	E7
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	TH20FW-CS12-M4



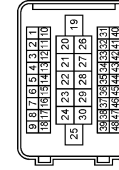
Terminal No.	49	Color of Wire	R	Signal Name	-
Terminal No.	53	Color of Wire	W	Signal Name	-

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



Terminal No.	8	Color of Wire	R	Signal Name	-
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Connector No.	F1
Connector Name	WIRE TO WIRE
Connector Type	SAA38FB-RS1D-SJZ2



Terminal No.	23	Color of Wire	W	Signal Name	-
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POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE NO.50 (ECM RELAY)

Connector No.	F7
Connector Name	EVAP CANISTER PURGE VOLUME CONTROL SOLENOID VALVE
Connector Type	E02FEL-RS-LGY



Terminal No.	1	R	Signal Name	-
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Connector No.	F8
Connector Name	CONDENSER
Connector Type	M02FEW-LC



Terminal No.	1	W	Signal Name	-
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Connector No.	F11
Connector Name	IGNITION COIL No.1 (WITH POWER TRANSISTOR)
Connector Type	E03FGY-RS



Terminal No.	3	W	Signal Name	-
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Connector No.	F12
Connector Name	IGNITION COIL No.2 (WITH POWER TRANSISTOR)
Connector Type	E03FGY-RS



Terminal No.	3	W	Signal Name	-
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Connector No.	F13
Connector Name	IGNITION COIL No.3 (WITH POWER TRANSISTOR)
Connector Type	E03FGY-RS



Terminal No.	3	W	Signal Name	-
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Connector No.	F14
Connector Name	IGNITION COIL No.4 (WITH POWER TRANSISTOR)
Connector Type	E03FGY-RS



Terminal No.	3	W	Signal Name	-
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Connector No.	F15
Connector Name	IGNITION COIL No.5 (WITH POWER TRANSISTOR)
Connector Type	E03FGY-RS



Terminal No.	3	W	Signal Name	-
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Connector No.	F16
Connector Name	IGNITION COIL No.6 (WITH POWER TRANSISTOR)
Connector Type	E03FGY-RS



Terminal No.	3	W	Signal Name	-
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POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE NO.50 (ECM RELAY)

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



Terminal No.	2	R	Signal Name	-
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Connector No.	F29
Connector Name	INTAKE VALVE TIMING CONTROL SOLENOID VALVE (BANK 2)
Connector Type	E02FG-RS-LGY



Terminal No.	2	R	Signal Name	-
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Connector No.	F31
Connector Name	MASS AIR FLOW SENSOR (BANK 1)
Connector Type	RH06FB



Terminal No.	5	Y	Signal Name	-
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Connector No.	F32
Connector Name	EXHAUST VALVE TIMING CONTROL MAGNET RETARDER (BANK 1)
Connector Type	RS04FL-B



Terminal No.	1	R	Signal Name	-
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Connector No.	F41
Connector Name	EXHAUST VALVE TIMING CONTROL MAGNET RETARDER (BANK 2)
Connector Type	RS04FL-B



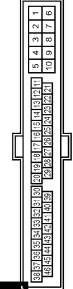
Terminal No.	1	R	Signal Name	-
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Connector No.	F42
Connector Name	MASS AIR FLOW SENSOR (BANK 2)
Connector Type	RH06FB



Terminal No.	5	GR	Signal Name	-
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Connector No.	F103
Connector Name	WIRE TO WIRE
Connector Type	TK36FW-NS10



Terminal No.	3	W	Signal Name	-
Terminal No.	4	R	Signal Name	-
Terminal No.	9	Y	Signal Name	-
Terminal No.	10	GR	Signal Name	-

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TH60MW-CS16-TM4



Terminal No.	8	R	Signal Name	-
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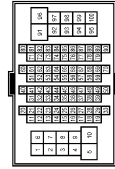
POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

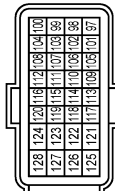
BATTERY POWER SUPPLY FUSE NO.50 (ECM RELAY)

Connector No.	M7
Connector Name	WIRE TO WIRE
Connector Type	THROMW-2S16-TM4



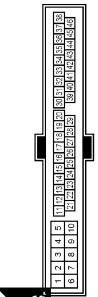
Terminal No.	3	L	-
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Connector No.	M107
Connector Name	ECM
Connector Type	MAA2JFGY-MEA&-LH-Z



Terminal No.	125	R	VB
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Connector No.	M116
Connector Name	WIRE TO WIRE
Connector Type	TK38MW-NS10



Terminal No.	3	L	-
Terminal No.	4	R	-
Terminal No.	9	R	-
Terminal No.	10	R	-

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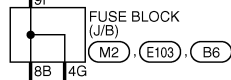
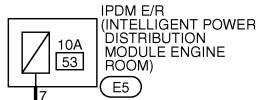
JCMWA0070GE

POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE NO.53



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

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

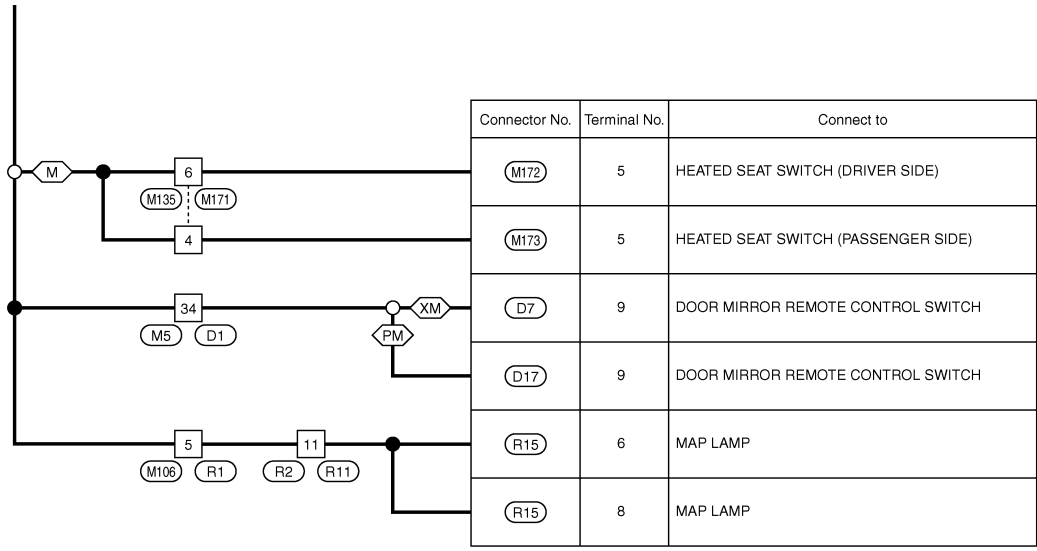
2006/09/15

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POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]



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JCMWA0060GE

POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE NO.53

Connector No.	B8
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS12FBF-CS



Terminal No.	4G	Color of Wire	R	Signal Name	-
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Connector No.	B80
Connector Name	REAR COMBINATION LAMP LH
Connector Type	NS04FW-CS



Terminal No.	1	Color of Wire	R	Signal Name	-
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Connector No.	B84
Connector Name	WIRE TO WIRE
Connector Type	RK02FGY



Terminal No.	1	Color of Wire	R	Signal Name	-
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Connector No.	B87
Connector Name	REAR COMBINATION LAMP RH
Connector Type	NS04FW-CS



Terminal No.	1	Color of Wire	R	Signal Name	-
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Connector No.	B91
Connector Name	WIRE TO WIRE
Connector Type	RK02M5Y



Terminal No.	1	Color of Wire	-	Signal Name	-
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Connector No.	B82
Connector Name	LICENSE PLATE LAMP LH
Connector Type	RV02FBR



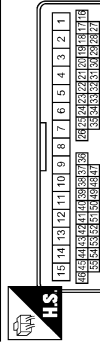
Terminal No.	1	Color of Wire	G	Signal Name	-
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Connector No.	B83
Connector Name	LICENSE PLATE LAMP RH
Connector Type	RV02FBR



Terminal No.	1	Color of Wire	G	Signal Name	-
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Connector No.	D1
Connector Name	WIRE TO WIRE
Connector Type	TH00FW-CS15



Terminal No.	34	Color of Wire	R	Signal Name	-
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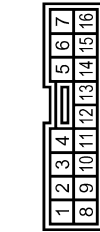
POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY&GROUND CIRCUIT]

< COMPONENT DIAGNOSIS >

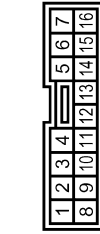
BATTERY POWER SUPPLY FUSE NO.53

Connector No.	D7
Connector Name	DOOR MIRROR REMOTE CONTROL SWITCH (Without automatic drive positioner)
Connector Type	TK18FW



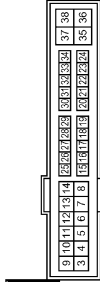
Terminal No.	9	Color of Wire	R	Signal Name	-
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Connector No.	D17
Connector Name	DOOR MIRROR REMOTE CONTROL SWITCH (With automatic drive positioner)
Connector Type	TK18FEBR



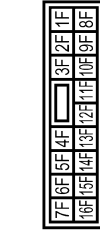
Terminal No.	9	Color of Wire	R	Signal Name	-
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Connector No.	E5
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	TH20FW-CS2-M4-1V



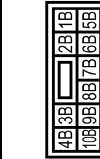
Terminal No.	7	Color of Wire	R	Signal Name	-
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Connector No.	E103
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS18FW-CS



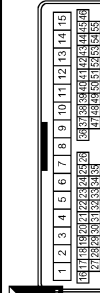
Terminal No.	9F	Color of Wire	R	Signal Name	-
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Connector No.	M2
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS10FW-CS



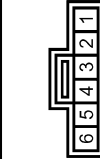
Terminal No.	8B	Color of Wire	R	Signal Name	-
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Connector No.	M5
Connector Name	WIRE TO WIRE
Connector Type	TH40MW-CS15



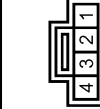
Terminal No.	34	Color of Wire	R	Signal Name	-
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Connector No.	M19
Connector Name	VDC OFF SWITCH
Connector Type	TK08FGY



Terminal No.	3	Color of Wire	R	Signal Name	-
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Connector No.	M20
Connector Name	TRUNK LID OPENER SWITCH
Connector Type	TK04FW



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

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE NO.53

Connector No.	M21
Connector Name	AFS SWITCH
Connector Type	TK06FW-1V



Terminal No.	5	Color of Wire	R	Signal Name	-
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Connector No.	M35
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TK06FY-EX-1V



Terminal No.	23	Color of Wire	R	Signal Name	-
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Connector No.	M72
Connector Name	MULTIFUNCTION SWITCH
Connector Type	TH18FW-NH



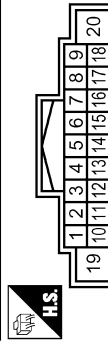
Terminal No.	4	Color of Wire	R	Signal Name	ILL
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Connector No.	M74
Connector Name	GLOCK
Connector Type	TH04FW-NH



Terminal No.	2	Color of Wire	R	Signal Name	ILLUMINATION (+)
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Connector No.	M80
Connector Name	AV CONTROL UNIT
Connector Type	TH18FW-CS2



Terminal No.	9	Color of Wire	R	Signal Name	ILLUMINATION
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Connector No.	M81
Connector Name	AV CONTROL UNIT
Connector Type	TH18FW-CS2



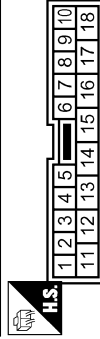
Terminal No.	9	Color of Wire	R	Signal Name	ILLUMINATION
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Connector No.	M102
Connector Name	GLOVE BOX LAMP
Connector Type	A02FW



Terminal No.	1	Color of Wire	R	Signal Name	-
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Connector No.	M108
Connector Name	WIRE TO WIRE
Connector Type	TK10MW-NS8



Terminal No.	5	Color of Wire	R	Signal Name	-
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POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

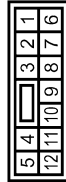
BATTERY POWER SUPPLY FUSE NO.53

Connector No.	M132
Connector Name	CIGARETTE LIGHTER SOCKET
Connector Type	NS03FW-GS



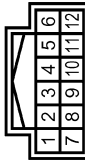
Terminal No.	2	Color of Wire	R	Signal Name	-
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Connector No.	M135
Connector Name	WIRE TO WIRE
Connector Type	NS12FW-GS



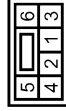
Terminal No.	4	Color of Wire	R	Signal Name	-
Terminal No.	6	Color of Wire	R	Signal Name	-

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



Terminal No.	7	Color of Wire	R	Signal Name	-
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Connector No.	M138
Connector Name	HEATED SEAT SWITCH(DRIVER SIDE)
Connector Type	NS08FW-GS



Terminal No.	5	Color of Wire	R	Signal Name	-
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Connector No.	M133
Connector Name	SNOW MODE SWITCH
Connector Type	TK08FW



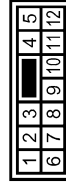
Terminal No.	5	Color of Wire	P	Signal Name	-
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Connector No.	M140
Connector Name	HEATED SEAT SWITCH(PASSENGER SIDE)
Connector Type	NS08FBR-GS



Terminal No.	5	Color of Wire	R	Signal Name	-
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Connector No.	M171
Connector Name	WIRE TO WIRE
Connector Type	NS12MW-GS



Terminal No.	4	Color of Wire	R	Signal Name	-
Terminal No.	6	Color of Wire	P	Signal Name	-

Connector No.	M172
Connector Name	HEATED SEAT SWITCH(DRIVER SIDE)
Connector Type	NS08FW-GS



Terminal No.	5	Color of Wire	P	Signal Name	-
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POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE NO.53

Connector No.	M173
Connector Name	HEATED SEAT SWITCHPASSENGER SIDE)
Connector Type	NSJ08BF-CS



Terminal No.	5	Color of Wire	R	Signal Name	-
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Connector No.	R1
Connector Name	WIRE TO WIRE
Connector Type	TK10FW-NS8



Terminal No.	5	Color of Wire	Y	Signal Name	-
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Connector No.	R2
Connector Name	WIRE TO WIRE
Connector Type	TH12FW-NH



Terminal No.	11	Color of Wire	Y	Signal Name	-
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Connector No.	R11
Connector Name	WIRE TO WIRE
Connector Type	TH12MW-NH



Terminal No.	11	Color of Wire	Y	Signal Name	-
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Connector No.	R15
Connector Name	MAP LAMP
Connector Type	TK08FGY



Terminal No.	6	Color of Wire	Y	Signal Name	-
	8	Color of Wire	Y	Signal Name	-

POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

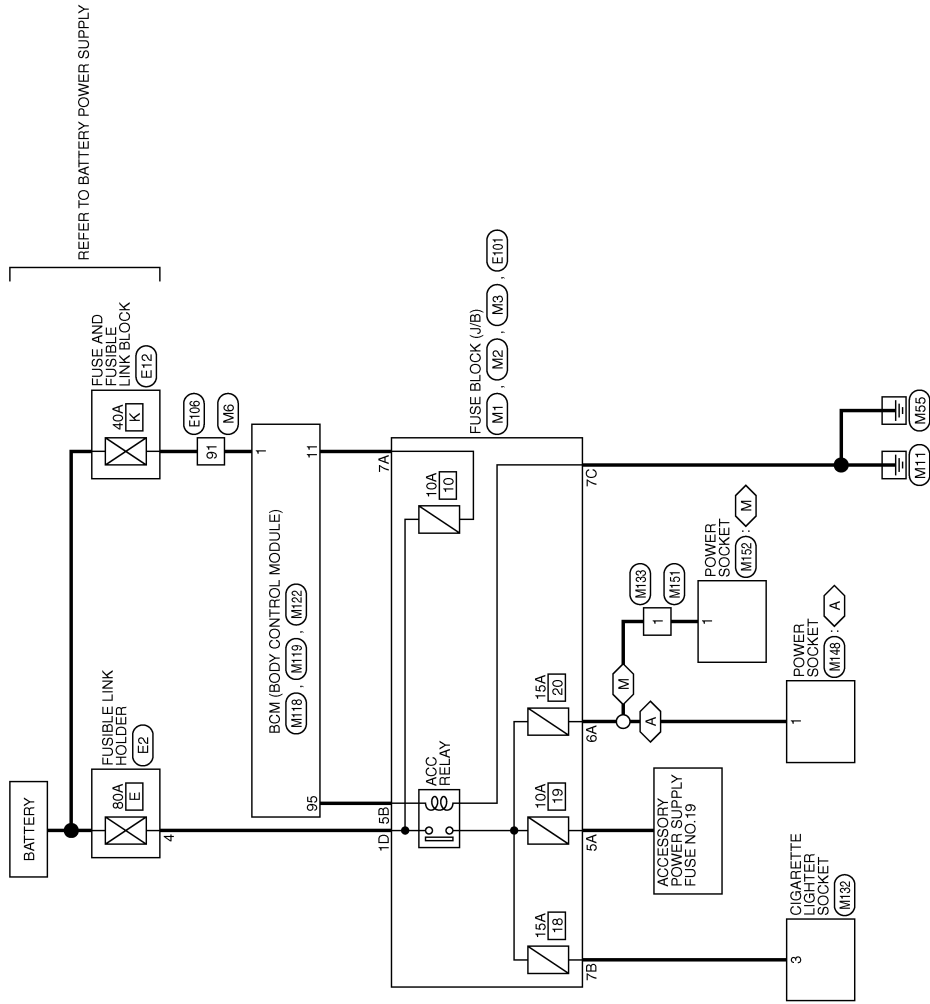
[POWER SUPPLY&GROUND CIRCUIT]

Wiring Diagram —Accessory Power Supply —

INFOID:000000000964298

ACCESSORY POWER SUPPLY

⬠ : With A/T
⬢ : With MT



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2006/09/15

JCMWA0071GE

POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

ACCESSORY POWER SUPPLY

Connector No.	E2
Connector Name	FUSIBLE LINK HOLDER
Connector Type	L02FY-MC



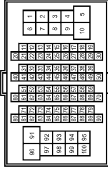
Terminal No.	4	Color of Wire	R	Signal Name	-

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



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

Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS (6-TM4)



Terminal No.	81	Color of Wire	W	Signal Name	-

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



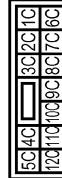
Terminal No.	5A	Color of Wire	V	Signal Name	-
	6A		Y		-
	7A		R		-

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



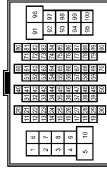
Terminal No.	5B	Color of Wire	O	Signal Name	-
	7B		P		-

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



Terminal No.	7C	Color of Wire	B	Signal Name	-

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS (6-TM4)



Terminal No.	81	Color of Wire	W	Signal Name	-

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



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

JCMWA0072GE



POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]


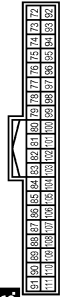
ACCESSORY POWER SUPPLY

Connector No.	M119
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	NS18FW-GS



Terminal No.	11	Color of Wire	R	Signal Name	BAT (FUSE)
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Connector No.	M122
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FB-NH



Terminal No.	95	Color of Wire	O	Signal Name	ACC COUNT
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Connector No.	M132
Connector Name	CIGARETTE LIGHTER SOCKET
Connector Type	NS00FW-GS



Terminal No.	3	Color of Wire	P	Signal Name	-
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Connector No.	M133
Connector Name	WIRE TO WIRE
Connector Type	M02FB-LC



Terminal No.	1	Color of Wire	Y	Signal Name	-
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Connector No.	M148
Connector Name	POWER SOCKET
Connector Type	P02FB-Z



Terminal No.	1	Color of Wire	Y	Signal Name	-
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Connector No.	M151
Connector Name	WIRE TO WIRE
Connector Type	M02MB-P-LC

Terminal No.	1	Color of Wire	R	Signal Name	-
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Connector No.	M152
Connector Name	POWER SOCKET
Connector Type	P02FB-Z

Terminal No.	1	Color of Wire	R	Signal Name	-
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
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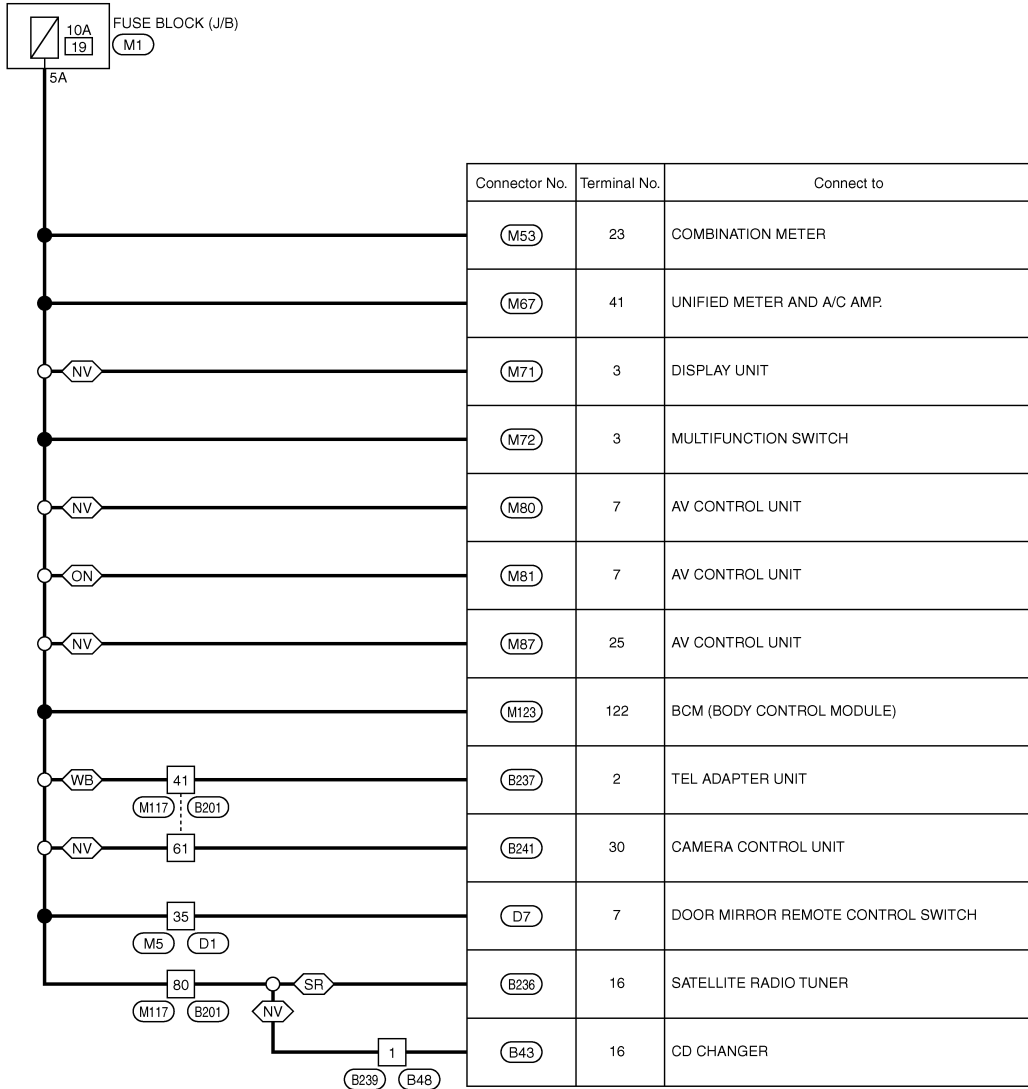
POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

ACCESSORY POWER SUPPLY FUSE NO.19

-  : With satellite radio
-  : With BOSE system
-  : With NAVI
-  : Without NAVI



2006/09/15

JCMWA0075GE

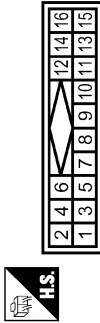
POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

ACCESSORY POWER SUPPLY FUSE NO.19

Connector No.	B43
Connector Name	GD CHANGER
Connector Type	A16FW



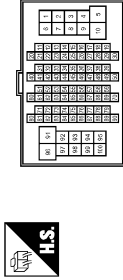
Terminal No.	16	Color of Wire	V	Signal Name	ACC
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Connector No.	B48
Connector Name	WIRE TO WIRE
Connector Type	A16MW



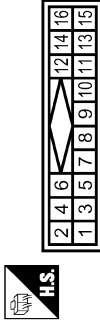
Terminal No.	1	Color of Wire	V	Signal Name	-
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Connector No.	B201
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-GS16-TM4



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

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



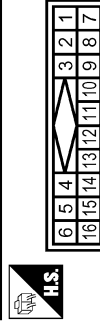
Terminal No.	16	Color of Wire	V	Signal Name	ACC
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Connector No.	B237
Connector Name	TEL ADAPTER UNIT
Connector Type	TH2FW-NH



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



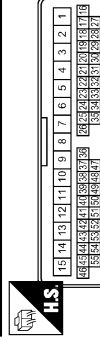
Terminal No.	1	Color of Wire	V	Signal Name	-
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Connector No.	B241
Connector Name	CAMERA CONTROL UNIT
Connector Type	TH2FW-NH



Terminal No.	30	Color of Wire	LG	Signal Name	ACC
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Connector No.	D1
Connector Name	WIRE TO WIRE
Connector Type	TH40FW-GS15



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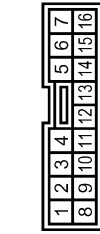
POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

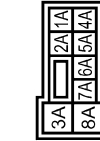
ACCESSORY POWER SUPPLY FUSE NO.19

Connector No.	D7
Connector Name	DOOR MIRROR REMOTE CONTROL SWITCH (Without automatic drive positioner)
Connector Type	TK16FW



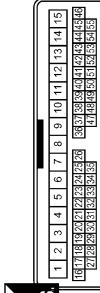
Terminal No.	7	Color of Wire	V	Signal Name	-
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Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	NSJ06FW-M2



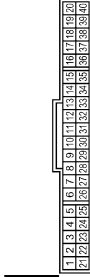
Terminal No.	5A	Color of Wire	V	Signal Name	-
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Connector No.	M5
Connector Name	WIRE TO WIRE
Connector Type	TH40MW-GS15



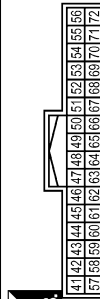
Terminal No.	35	Color of Wire	V	Signal Name	-
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Connector No.	M53
Connector Name	COMBINATION METER
Connector Type	SAB40FW



Terminal No.	23	Color of Wire	L	Signal Name	ACC
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Connector No.	M67
Connector Name	UNIFIED METER AND A/C AMP.
Connector Type	TH32FW-NH



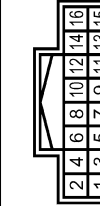
Terminal No.	41	Color of Wire	V	Signal Name	ACC
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Connector No.	M71
Connector Name	DISPLAY UNIT
Connector Type	TH24FW-NH



Terminal No.	3	Color of Wire	V	Signal Name	ACC [With NAVI]
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Connector No.	M72
Connector Name	MULTIFUNCTION SWITCH
Connector Type	TH18FW-NH



Terminal No.	3	Color of Wire	V	Signal Name	ACC
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Connector No.	M80
Connector Name	AV CONTROL UNIT
Connector Type	TH18FW-GS2



Terminal No.	7	Color of Wire	V	Signal Name	ACC
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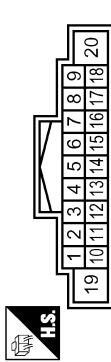
POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

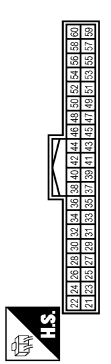
ACCESSORY POWER SUPPLY FUSE NO.19

Connector No.	M81
Connector Name	AV CONTROL UNIT
Connector Type	TH18FW-GS2



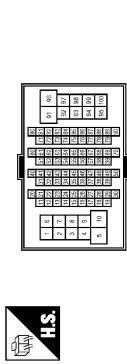
Terminal No.	7	Color of Wire	V	Signal Name	ACC
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Connector No.	M87
Connector Name	AV CONTROL UNIT
Connector Type	TH40FW-NH



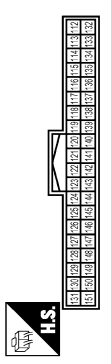
Terminal No.	25	Color of Wire	V	Signal Name	ACC
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Connector No.	M117
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-GS16-TM4



Terminal No.	41	Color of Wire	G	Signal Name	-
	61	V	-	-	-
	80	V	-	-	-

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



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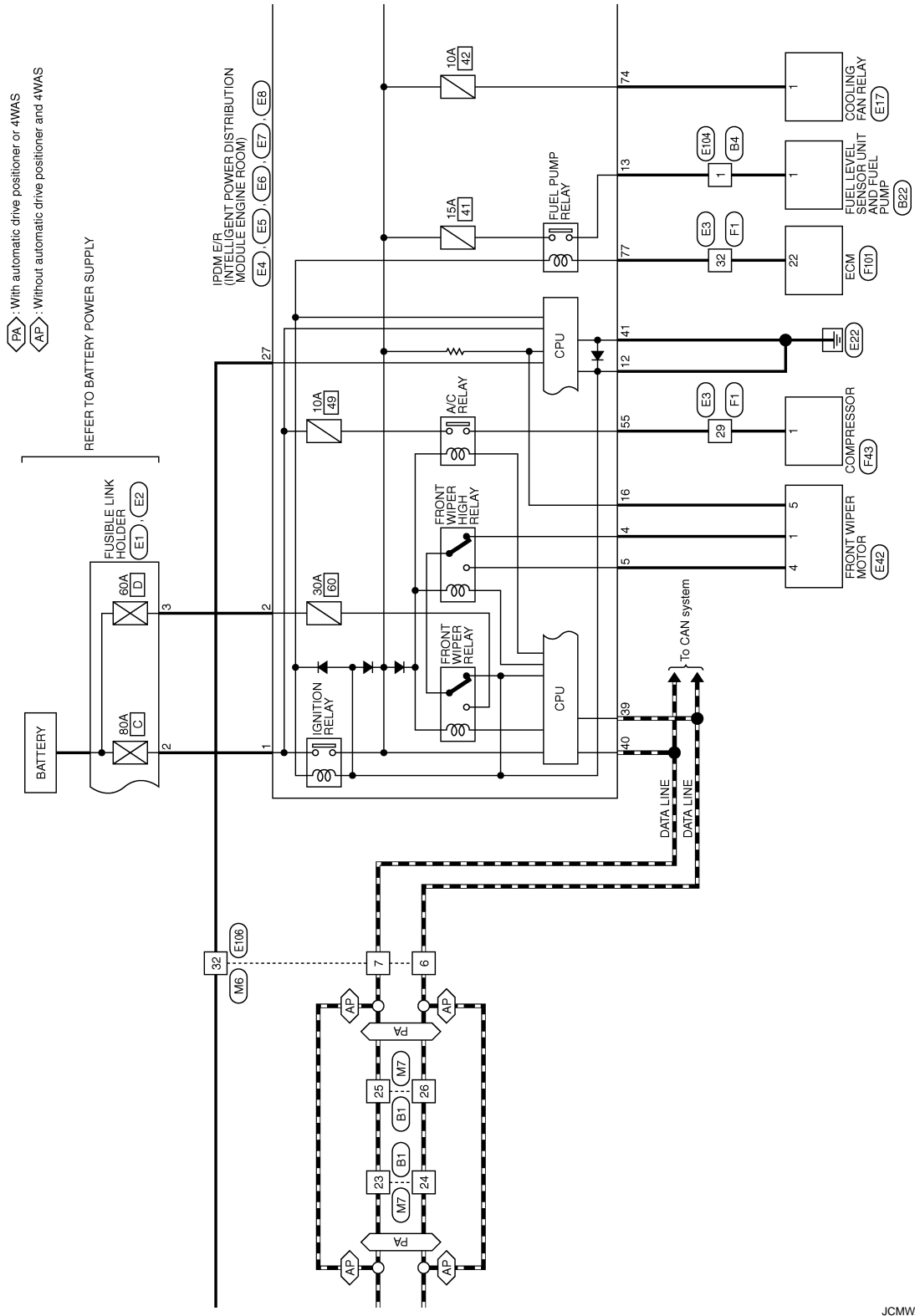
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POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]



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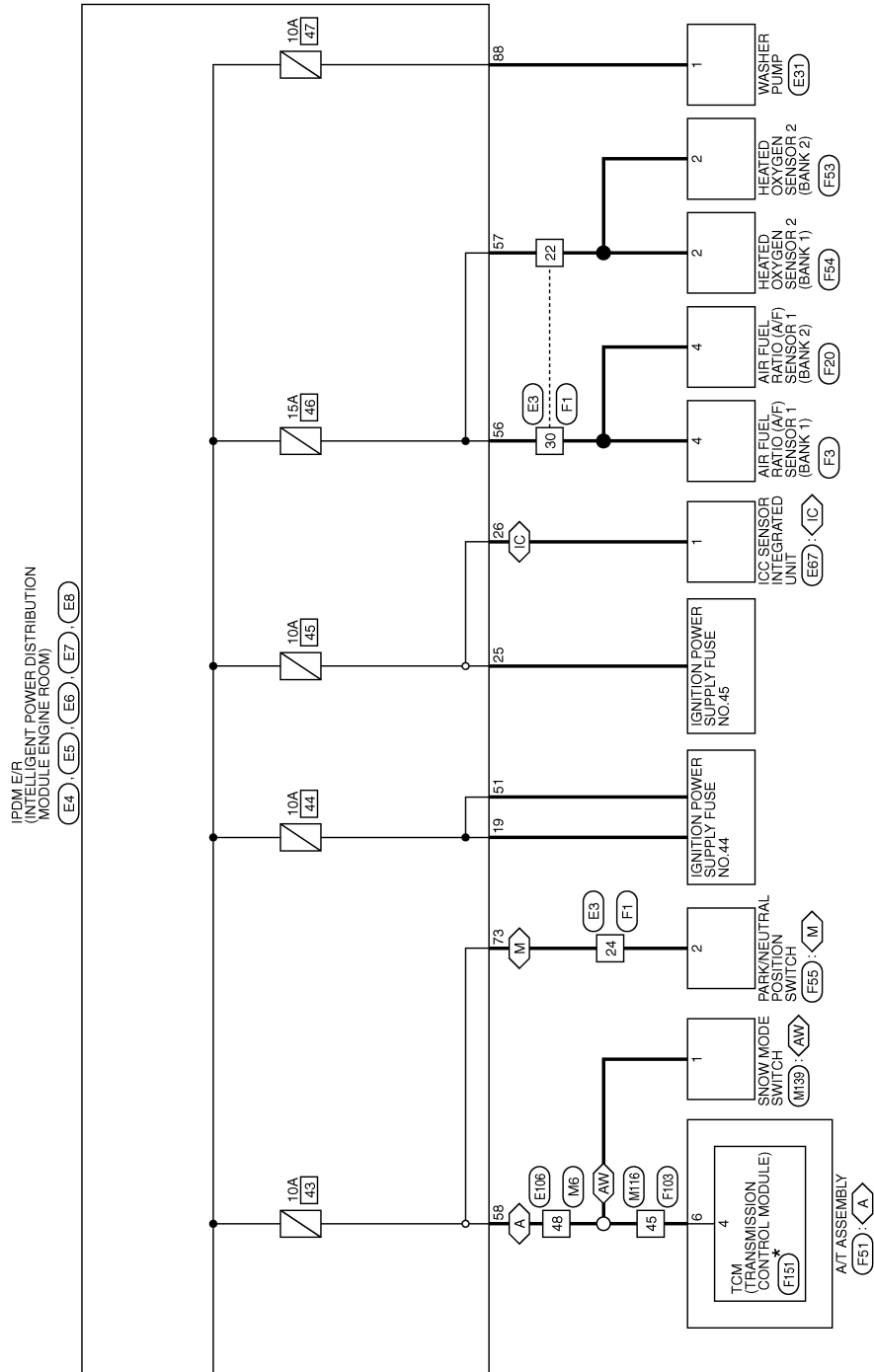
POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

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

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



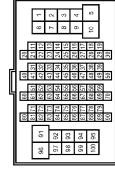




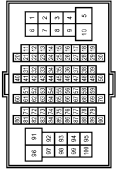
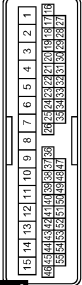
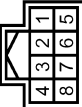

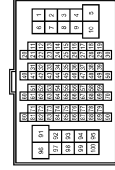
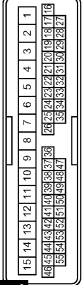
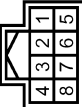
JCMWA0081GE

POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

IGNITION POWER SUPPLY

<table border="1"> <tr><td>Connector No.</td><td>B1</td></tr> <tr><td>Connector Name</td><td>WIRE TO WIRE</td></tr> <tr><td>Connector Type</td><td>TH80FW-CS16-TM4</td></tr> </table>  <table border="1"> <tr><td>Terminal No.</td><td>Color of Wire</td><td>Signal Name</td></tr> <tr><td>23</td><td>L</td><td>-</td></tr> <tr><td>24</td><td>P</td><td>-</td></tr> <tr><td>25</td><td>L</td><td>-</td></tr> <tr><td>26</td><td>P</td><td>-</td></tr> </table>	Connector No.	B1	Connector Name	WIRE TO WIRE	Connector Type	TH80FW-CS16-TM4	Terminal No.	Color of Wire	Signal Name	23	L	-	24	P	-	25	L	-	26	P	-	<table border="1"> <tr><td>Connector No.</td><td>B2</td></tr> <tr><td>Connector Name</td><td>FUSE BLOCK (J/B)</td></tr> <tr><td>Connector Type</td><td>NS17FBR-CS</td></tr> </table>  <table border="1"> <tr><td>Terminal No.</td><td>Color of Wire</td><td>Signal Name</td></tr> <tr><td>2G</td><td>GR</td><td>-</td></tr> <tr><td>10G</td><td>W</td><td>-</td></tr> <tr><td>11G</td><td>W</td><td>-</td></tr> </table>	Connector No.	B2	Connector Name	FUSE BLOCK (J/B)	Connector Type	NS17FBR-CS	Terminal No.	Color of Wire	Signal Name	2G	GR	-	10G	W	-	11G	W	-	<table border="1"> <tr><td>Connector No.</td><td>B4</td></tr> <tr><td>Connector Name</td><td>WIRE TO WIRE</td></tr> <tr><td>Connector Type</td><td>NS308FW-CS</td></tr> </table>  <table border="1"> <tr><td>Terminal No.</td><td>Color of Wire</td><td>Signal Name</td></tr> <tr><td>1</td><td>L</td><td>-</td></tr> </table>	Connector No.	B4	Connector Name	WIRE TO WIRE	Connector Type	NS308FW-CS	Terminal No.	Color of Wire	Signal Name	1	L	-	<table border="1"> <tr><td>Connector No.</td><td>B6</td></tr> <tr><td>Connector Name</td><td>FUSE BLOCK (J/B)</td></tr> <tr><td>Connector Type</td><td>NS17FBR-CS</td></tr> </table>  <table border="1"> <tr><td>Terminal No.</td><td>Color of Wire</td><td>Signal Name</td></tr> <tr><td>2G</td><td>GR</td><td>-</td></tr> <tr><td>10G</td><td>W</td><td>-</td></tr> <tr><td>11G</td><td>W</td><td>-</td></tr> </table>	Connector No.	B6	Connector Name	FUSE BLOCK (J/B)	Connector Type	NS17FBR-CS	Terminal No.	Color of Wire	Signal Name	2G	GR	-	10G	W	-	11G	W	-
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POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]


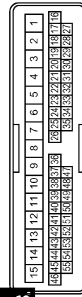
IGNITION POWER SUPPLY

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



Terminal No.	4	L	Signal Name	-
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Connector No.	D31
Connector Name	WIRE TO WIRE
Connector Type	TH40FW-CS15



Terminal No.	52	L	Signal Name	-
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Connector No.	D33
Connector Name	DOOR MIRROR (PASSENGER SIDE)
Connector Type	TH12MW-NH



Terminal No.	4	L	Signal Name	-
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Connector No.	E1
Connector Name	FUSIBLE LINK HOLDER
Connector Type	LO2FBR-MC


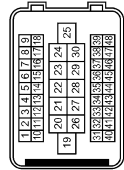
Terminal No.	2	W	Signal Name	-
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Connector No.	E2
Connector Name	FUSIBLE LINK HOLDER
Connector Type	LO2FGY-MC



Terminal No.	3	L	Signal Name	-
Terminal No.	4	R	Signal Name	-

Connector No.	E3
Connector Name	WIRE TO WIRE
Connector Type	SA436MB-RS10-SJZZ



Terminal No.	22	R	Signal Name	-
Terminal No.	24	P	Signal Name	-
Terminal No.	29	L	Signal Name	-
Terminal No.	30	V	Signal Name	-
Terminal No.	32	L	Signal Name	-

Connector No.	E4
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	LO2FB-MC

Terminal No.	1	W	Signal Name	-
Terminal No.	2	L	Signal Name	-

Connector No.	E5
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	TH20FW-CS12-ME-IV

Terminal No.	4	V	Signal Name	-
Terminal No.	5	L	Signal Name	-
Terminal No.	12	B/W	Signal Name	-
Terminal No.	13	V	Signal Name	-
Terminal No.	16	LG	Signal Name	-
Terminal No.	19	W	Signal Name	-
Terminal No.	25	G	Signal Name	-
Terminal No.	26	R	Signal Name	-
Terminal No.	27	O	Signal Name	-

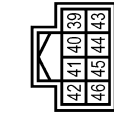
POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

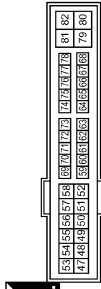
IGNITION POWER SUPPLY

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



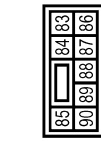
Terminal No.	Color of Wire	Signal Name
39	P	-
40	L	-
41	B/W	-

Connector No.	E7
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	TH20FW-CS1Z-M4



Terminal No.	Color of Wire	Signal Name
51	G	-
55	BR	-
56	V	-
57	R	-
58	Y	-
73	P	-
74	G	-
77	L	-

Connector No.	E8
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	NS08FW-CS



Terminal No.	Color of Wire	Signal Name
88	G	-

Connector No.	E17
Connector Name	COOLING FAN RELAY
Connector Type	Z4347 9F310



Terminal No.	Color of Wire	Signal Name
1	G	-

Connector No.	E31
Connector Name	WASHER PUMP
Connector Type	EQ2FGY-RS



Terminal No.	Color of Wire	Signal Name
1	G	-

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



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

Connector No.	E67
Connector Name	ICC SENSOR INTEGRATED UNIT
Connector Type	RS08EP-PR



Terminal No.	Color of Wire	Signal Name
1	R	IGN

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



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

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POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

IGNITION POWER SUPPLY

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



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

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



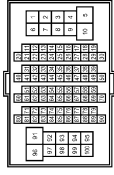
Terminal No.	Color of Wire	Signal Name
4F	G	-
6F	SB	-

Connector No.	E104
Connector Name	WIRE TO WIRE
Connector Type	NS02MW-CS



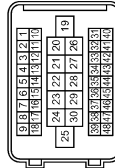
Terminal No.	Color of Wire	Signal Name
1	Y	-

Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	THR01FW-CS16-TM4



Terminal No.	Color of Wire	Signal Name
6	P	-
7	L	-
32	O	-
45	SB	-
48	P	-
31	W	-

Connector No.	F1
Connector Name	WIRE TO WIRE
Connector Type	SAA38FB-RS/D-SLZ2



Terminal No.	Color of Wire	Signal Name
22	G	-
24	W	-
26	L	-
30	Y	-
32	LG	-

Connector No.	F3
Connector Name	AIR FUEL RATIO (A/F) SENSOR 1 (BANK 1)
Connector Type	AFZ04FGY



Terminal No.	Color of Wire	Signal Name
4	Y	-

Connector No.	F20
Connector Name	AIR FUEL RATIO (A/F) SENSOR 1 (BANK 2)
Connector Type	AFZ04FGY



Terminal No.	Color of Wire	Signal Name
4	Y	-

Connector No.	F43
Connector Name	COMPRESSOR
Connector Type	RS01FB



Terminal No.	Color of Wire	Signal Name
1	L	-

POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

IGNITION POWER SUPPLY

Connector No.	F51	Connector No.	F53	Connector No.	F54	Connector No.	F55
Connector Name	A-7 ASSEMBLY	HEATED OXYGEN SENSOR Z (BANK 2)	HEATED OXYGEN SENSOR Z (BANK 1)	PARK/NEUTRAL POSITION SWITCH			
Connector Type	RK10FG-DGY	AFZ04FB	AFZ04FB	RK02FB			

Terminal No.	6	Terminal No.	2	Terminal No.	2	Terminal No.	2
Color of Wire	Y	Color of Wire	G	Color of Wire	G	Color of Wire	W
Signal Name	-	Signal Name	-	Signal Name	-	Signal Name	-

Connector No.	F101	Connector No.	F103	Connector No.	F151	Connector No.	M1
Connector Name	ECM	WIRE TO WIRE	TOM (TRANSMISSION CONTROL MODULE)	FUSE BLOCK (J/B)			
Connector Type	IMA40FB-MEAS-RH-Z	IK38FW-NS10	SPI08EGY	NS08FW-M2			

Terminal No.	22	Terminal No.	45	Terminal No.	4	Terminal No.	2A, 3A, 7A, 8A
Color of Wire	LG	Color of Wire	Y	Color of Wire	R	Color of Wire	G, L, R, L
Signal Name	FFR	Signal Name	-	Signal Name	VIGN	Signal Name	-

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JCMWA0086GE

POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

IGNITION POWER SUPPLY

Connector No. M2	FUSE BLOCK (J/B)	NS10FW-CS		Terminal No. 4B	Color of Wire G	Signal Name -
Connector No. M3	FUSE BLOCK (J/B)	NS12FW-CS		Terminal No. 6C	Color of Wire R	Signal Name -
Connector No. M4	FUSE BLOCK (J/B)	NS12FW-CS		Terminal No. 7C	Color of Wire B	Signal Name -
Connector No. M5	WIRE TO WIRE	TH40MW-CS15		Terminal No. 52	Color of Wire L	Signal Name -
Connector No. M6	WIRE TO WIRE	TH80MW-CS16-TM4		Terminal No. 6	Color of Wire P	Signal Name -
Connector No. M7	WIRE TO WIRE	TH80MW-CS16-TM4		Terminal No. 23	Color of Wire L	Signal Name -
Connector No. M8	WIRE TO WIRE	TH80MW-CS16-TM4		Terminal No. 24	Color of Wire P	Signal Name -
Connector No. M9	WIRE TO WIRE	TH80MW-CS16-TM4		Terminal No. 25	Color of Wire L	Signal Name -
Connector No. M10	WIRE TO WIRE	TH80MW-CS16-TM4		Terminal No. 26	Color of Wire P	Signal Name -
Connector No. M11	BLOWER MOTOR	NS33FW-M3		Terminal No. 1	Color of Wire L	Signal Name -
Connector No. M12	WIRE TO WIRE	TH80MW-CS16-TM4		Terminal No. 32	Color of Wire Y	Signal Name -
Connector No. M13	WIRE TO WIRE	TH80MW-CS16-TM4		Terminal No. 45	Color of Wire O	Signal Name -
Connector No. M14	WIRE TO WIRE	TH80MW-CS16-TM4		Terminal No. 48	Color of Wire BR	Signal Name -
Connector No. M15	WIRE TO WIRE	TH80MW-CS16-TM4		Terminal No. 31	Color of Wire W	Signal Name -
Connector No. M16	WIRE TO WIRE	TH80MW-CS16-TM4		Terminal No. 45	Color of Wire BR	Signal Name -
Connector No. M17	WIRE TO WIRE	TH80MW-CS16-TM4		Terminal No. 6	Color of Wire R	Signal Name -

JCMWA0087GE

POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

IGNITION POWER SUPPLY

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



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



Terminal No.	11	R	Signal Name	BAT (FUSE)
	13	B		GND

Connector No.	M121
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FGY-NH



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



Terminal No.	32	R	Signal Name	IGN ELEC CONT
	30	P		CAN-L
	91	L		CAN-H
	102	O		IGN2 CONT

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



Terminal No.	151	G	Signal Name	REAR DEFOGGER OUTPUT
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Connector No.	M124
Connector Name	WIRE TO WIRE
Connector Type	TH40MW-CS15



Terminal No.	52	O	Signal Name	-
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Connector No.	M139
Connector Name	SHOW MODE SWITCH
Connector Type	TK09FW



Terminal No.	1	BR	Signal Name	-
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Connector No.	M147
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	TK28FY-EX-SG



Terminal No.	1	LG	Signal Name	IGN
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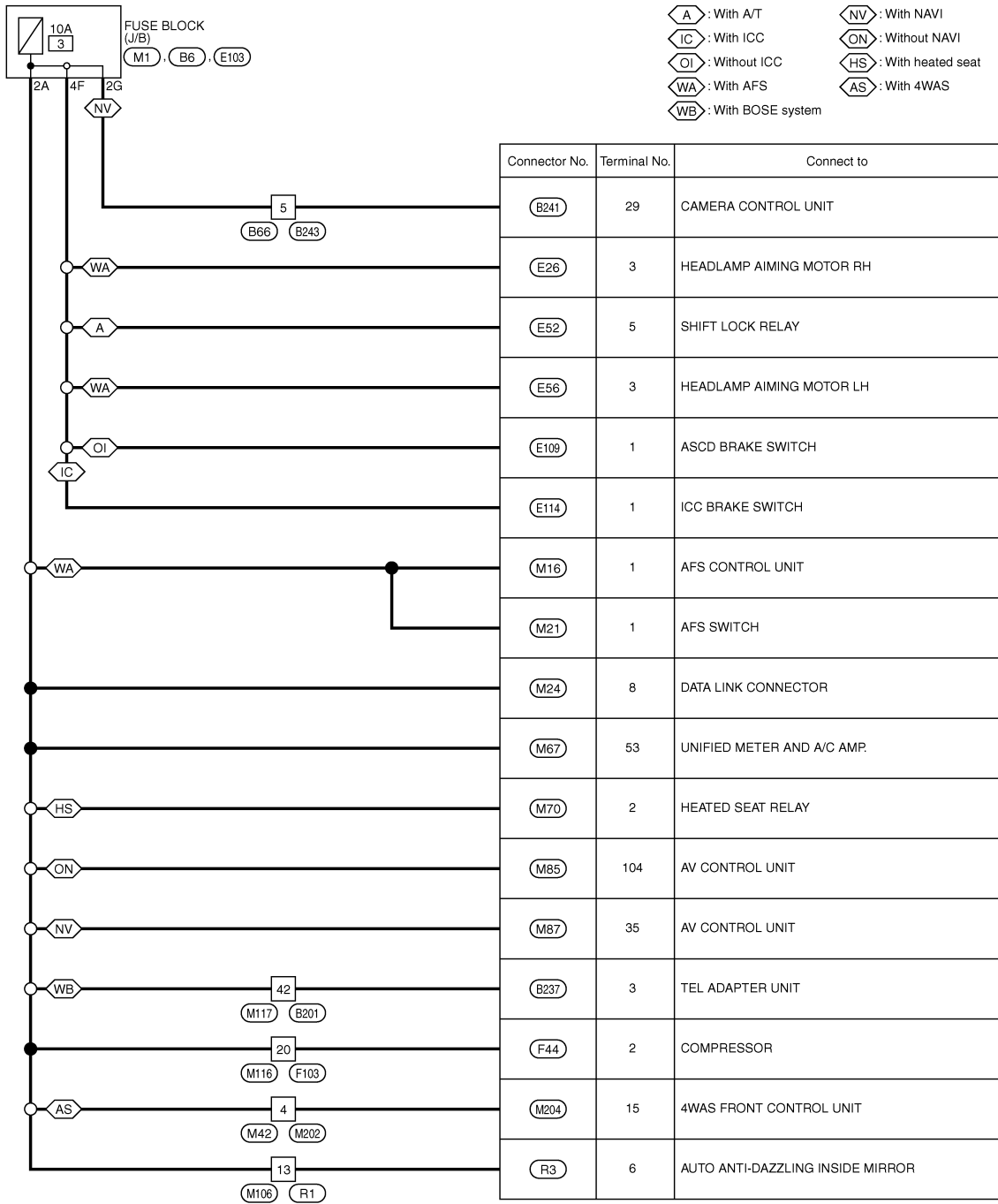
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POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

IGNITION POWER SUPPLY FUSE NO.3



2006/09/15

JCMWA0093GE


POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]


IGNITION POWER SUPPLY FUSE NO.3

Connector No.	B6
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS12FBE-CS



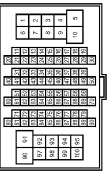
Terminal No.	2G	GR	Signal Name	-
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Connector No.	B66
Connector Name	WIRE TO WIRE
Connector Type	TH08MW-NH




Terminal No.	5	GR	Signal Name	-
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Connector No.	B201
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS18-TM4




Terminal No.	42	W	Signal Name	-
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Connector No.	B237
Connector Name	TEL ADAPTER UNIT
Connector Type	TH32FW-NH



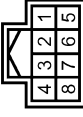
Terminal No.	3	W	Signal Name	IGNITION
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Connector No.	B241
Connector Name	CAMERA CONTROL UNIT
Connector Type	TH32FW-NH




Terminal No.	28	SB	Signal Name	IGNITION
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Connector No.	B243
Connector Name	WIRE TO WIRE
Connector Type	TH08FW-NH




Terminal No.	5	SB	Signal Name	-
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Connector No.	E26
Connector Name	HEADLAMP AIMING MOTOR RH
Connector Type	HS09FGY



Terminal No.	3	G	Signal Name	-
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Connector No.	E52
Connector Name	SHIFT LOCK RELAY
Connector Type	MS02EL-W2



Terminal No.	5	Y	Signal Name	-
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POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

IGNITION POWER SUPPLY FUSE NO.3

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



Terminal No.	3	Color of Wire	G	Signal Name	-
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Connector No.	E103
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS16FW-CS



Terminal No.	4F	Color of Wire	G	Signal Name	-
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Connector No.	E109
Connector Name	ASCD BRAKE SWITCH
Connector Type	S02FL



Terminal No.	1	Color of Wire	G	Signal Name	-
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Connector No.	E114
Connector Name	ICC BRAKE SWITCH
Connector Type	S02FL



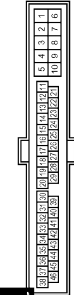
Terminal No.	1	Color of Wire	G	Signal Name	-
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Connector No.	F44
Connector Name	COMPRESSOR
Connector Type	RK02FGY



Terminal No.	2	Color of Wire	Y	Signal Name	-
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Connector No.	F103
Connector Name	WIRE TO WIRE
Connector Type	1K38FW-NS10



Terminal No.	20	Color of Wire	Y	Signal Name	-
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Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS08FW-M2



Terminal No.	2A	Color of Wire	G	Signal Name	-
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Connector No.	M16
Connector Name	AFS CONTROL UNIT
Connector Type	TH06FW-NH



Terminal No.	1	Color of Wire	Y	Signal Name	IGN
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POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

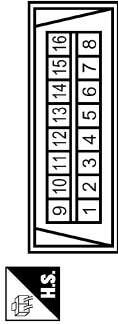
IGNITION POWER SUPPLY FUSE NO.3

Connector No.	M21
Connector Name	AFS SWITCH
Connector Type	TKG9FW-1V



Terminal No.	1	Y	Signal Name	-
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Connector No.	M24
Connector Name	DATA LINK CONNECTOR
Connector Type	BD16FW



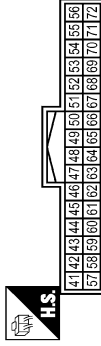
Terminal No.	8	G	Signal Name	-
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Connector No.	M42
Connector Name	WIRE TO WIRE
Connector Type	TH04FW-NH



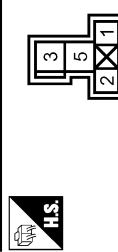
Terminal No.	4	G	Signal Name	-
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Connector No.	M67
Connector Name	UNIFIED METER AND A/C AMP.
Connector Type	TH32FW-NH



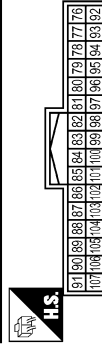
Terminal No.	53	G	Signal Name	IGN
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Connector No.	M70
Connector Name	HEATED SEAT RELAY
Connector Type	HS02FL-M2



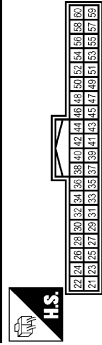
Terminal No.	2	G	Signal Name	-
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Connector No.	M85
Connector Name	AV CONTROL UNIT
Connector Type	TH32FW-NH



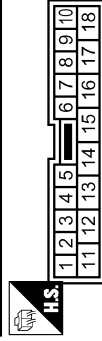
Terminal No.	104	G	Signal Name	IGNITION
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Connector No.	M87
Connector Name	AV CONTROL UNIT
Connector Type	TH40FW-NH



Terminal No.	85	G	Signal Name	IGNITION
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Connector No.	M108
Connector Name	WIRE TO WIRE
Connector Type	TK10MW-1S8



Terminal No.	13	BR	Signal Name	-
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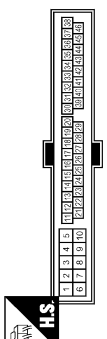
POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

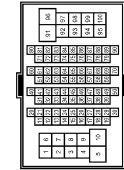
IGNITION POWER SUPPLY FUSE NO.3

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



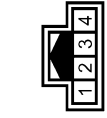
Terminal No.	20	Y	-	Signal Name
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Connector No.	M117
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4



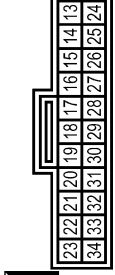
Terminal No.	42	O	-	Signal Name
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Connector No.	M202
Connector Name	WIRE TO WIRE
Connector Type	TH04MW-NH



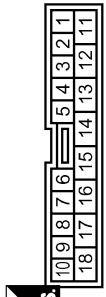
Terminal No.	4	G	-	Signal Name
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Connector No.	M204
Connector Name	4WAS FRONT CONTROL UNIT
Connector Type	TK22FW



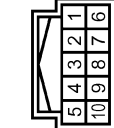
Terminal No.	15	G	IGN	Signal Name
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Connector No.	R1
Connector Name	WIRE TO WIRE
Connector Type	TK10FW-NS8



Terminal No.	13	BR	-	Signal Name
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Connector No.	R3
Connector Name	AUTO ANTI-DAZZLING INSIDE MIRROR
Connector Type	TH10FB-NH



Terminal No.	6	BR	IGN	Signal Name
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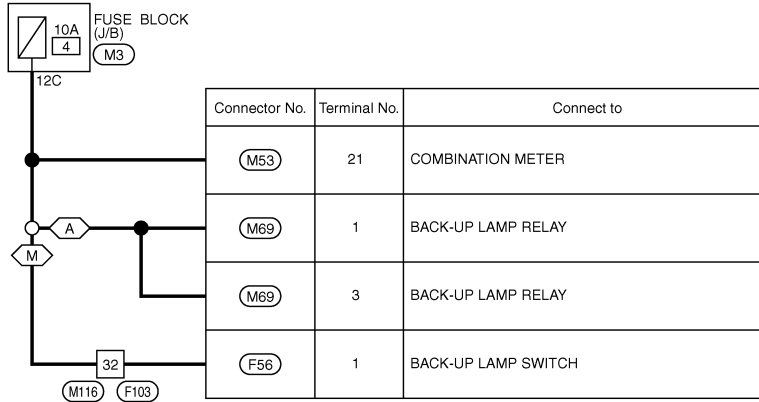
POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

IGNITION POWER SUPPLY FUSE NO.4

A : With A/T
M : With M/T



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POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

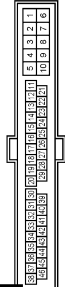
IGNITION POWER SUPPLY FUSE NO.4

Connector No.	F58
Connector Name	BACK-UP LAMP SWITCH
Connector Type	RK02FB



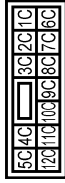
Terminal No.	1	R	Signal Name	-
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Connector No.	F103
Connector Name	WIRE TO WIRE
Connector Type	TK38FW-NS10



Terminal No.	32	R	Signal Name	-
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Connector No.	M3
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS12FW-CS



Terminal No.	12C	R	Signal Name	-
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Connector No.	M53
Connector Name	COMBINATION METER
Connector Type	SAB40FW



Terminal No.	21	R	Signal Name	IGN
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Connector No.	M69
Connector Name	BACK-UP LAMP RELAY
Connector Type	MS02FL-W2



Terminal No.	3	LG	Signal Name	-
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Connector No.	M116
Connector Name	WIRE TO WIRE
Connector Type	TK38MW-NS10



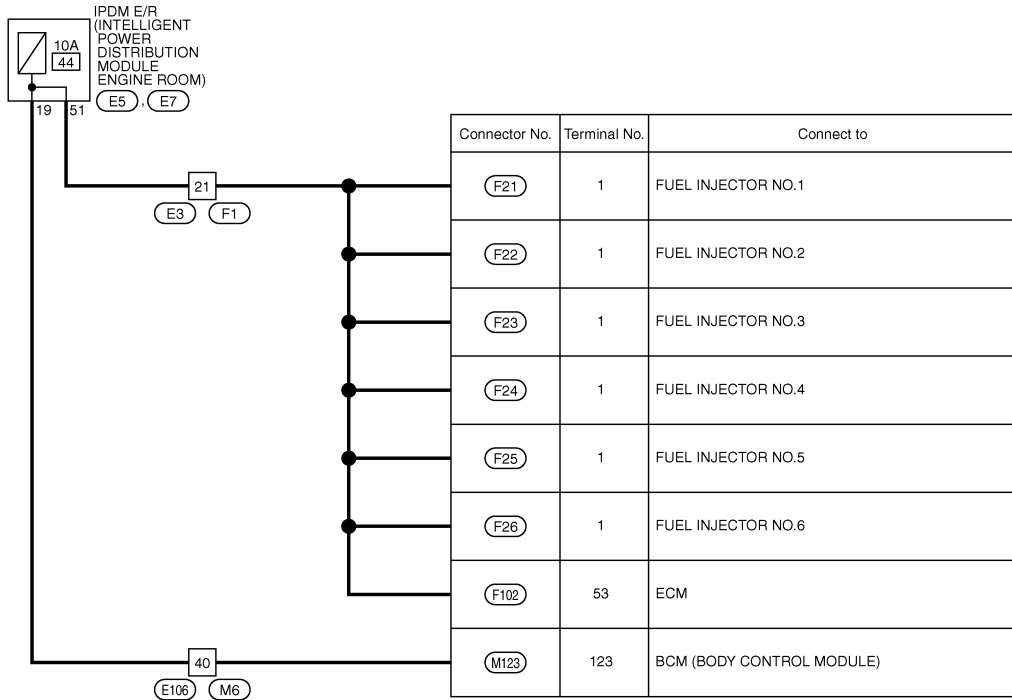
Terminal No.	32	LG	Signal Name	-
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POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

IGNITION POWER SUPPLY FUSE NO.44



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2006/09/15

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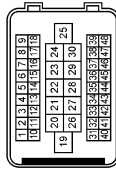
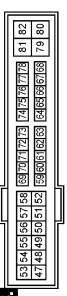
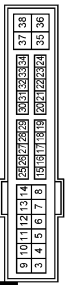
POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY&GROUND CIRCUIT]





< COMPONENT DIAGNOSIS >

IGNITION POWER SUPPLY FUSE NO.44

Connector No.	E3	Connector No.	E7	Connector No.	E5	Terminal No.	21	Color of Wire	G	Signal Name	-
Connector Name	WIRE TO WIRE	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)	TH20FW-CS12-MA	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)	TH20FW-CS12-MA-IV	Terminal No.	19	Color of Wire	W	Signal Name	-
Connector Type	SAA38ME-RS1P-SUJZ	Connector Type	SAA38ME-RS1P-SUJZ	Connector Type	SAA38ME-RS1P-SUJZ	Terminal No.	51	Color of Wire	G	Signal Name	-

Connector No.	F21	Connector No.	F23	Connector No.	F22	Terminal No.	21	Color of Wire	P	Signal Name	-
Connector Name	FUEL INJECTOR No.1	FUEL INJECTOR No.3	FUEL INJECTOR No.2	FUEL INJECTOR No.4	Terminal No.	1	Color of Wire	P	Signal Name	-	
Connector Type	HS02FGY	Connector Type	HS02FGY	Connector Type	HS02FGY	Terminal No.	1	Color of Wire	P	Signal Name	-

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POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

IGNITION POWER SUPPLY FUSE NO.44

Connector No.	F23
Connector Name	FUEL INJECTOR No.5
Connector Type	HS02FY



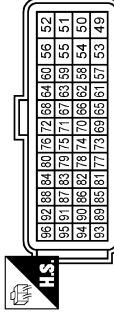
Terminal No.	1	P	Signal Name	-
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Connector No.	F26
Connector Name	FUEL INJECTOR No.6
Connector Type	HS02FY



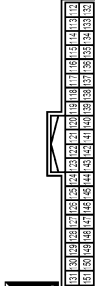
Terminal No.	1	P	Signal Name	-
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Connector No.	F102
Connector Name	ECM
Connector Type	MAA40FER-MEA8-RH-Z



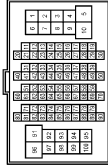
Terminal No.	53	P	Signal Name	IGN SW
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Connector No.	MT23
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FG-NH



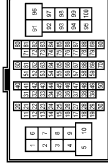
Terminal No.	123	W	Signal Name	IGN F/B
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Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4



Terminal No.	40	W	Signal Name	-
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Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4



Terminal No.	40	W	Signal Name	-
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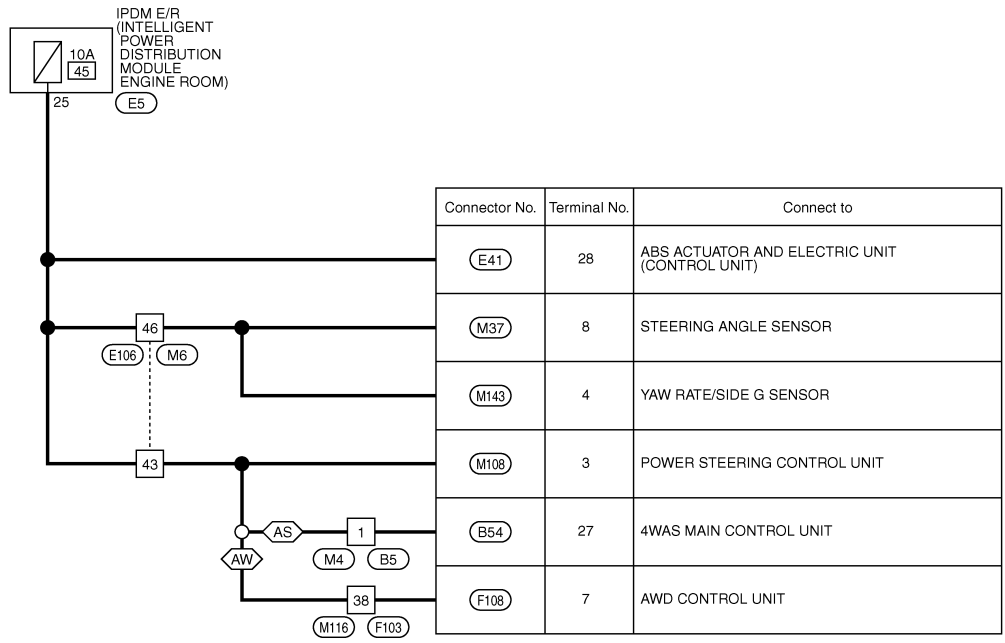
POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

IGNITION POWER SUPPLY FUSE NO.45

AW : 4WD models
AS : With 4WAS



2006/09/15

JCMWA0103GE

POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

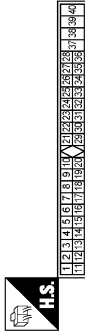
IGNITION POWER SUPPLY FUSE NO.45

Connector No.	B5
Connector Name	WIRE TO WIRE
Connector Type	TH03MW-NH



Terminal No.	1	Color of Wire	G	Signal Name	-
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Connector No.	B54
Connector Name	4WAS MAIN CONTROL UNIT
Connector Type	A38FW-M4



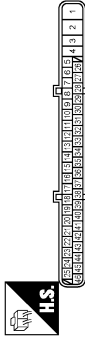
Terminal No.	27	Color of Wire	G	Signal Name	IGN
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Connector No.	E5
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	TH02FW-CS12-M4-1V



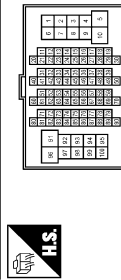
Terminal No.	25	Color of Wire	G	Signal Name	-
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Connector No.	E41
Connector Name	ABS ACTUATOR AND ELECTRIC UNIT
Connector Type	BAA42FE-AH24-LH



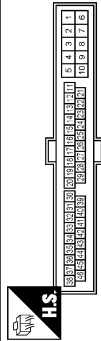
Terminal No.	28	Color of Wire	G	Signal Name	UZ
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Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	TH00FW-CS16-TM4



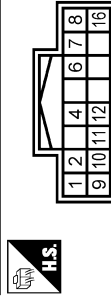
Terminal No.	43	Color of Wire	G	Signal Name	-
	46	Color of Wire	LG	Signal Name	-

Connector No.	F103
Connector Name	WIRE TO WIRE
Connector Type	TK08FW-NS10



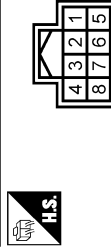
Terminal No.	38	Color of Wire	G	Signal Name	-
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Connector No.	F108
Connector Name	AWD CONTROL UNIT
Connector Type	TH16FW-NH



Terminal No.	7	Color of Wire	G	Signal Name	IGN
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Connector No.	M4
Connector Name	WIRE TO WIRE
Connector Type	TH06FW-NH



Terminal No.	1	Color of Wire	G	Signal Name	-
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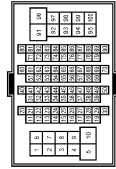
POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

IGNITION POWER SUPPLY FUSE NO.45

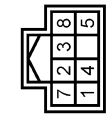
Connector No.	M16
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-QS16-TM4



Terminal No.	43	G	G
Terminal No.	46	G	G

Signal Name	-
Signal Name	-

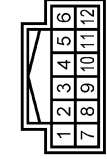
Connector No.	M37
Connector Name	STEERING ANGLE SENSOR
Connector Type	TH08FW-WH



Terminal No.	8	G	G
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Signal Name	IGN
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Connector No.	M108
Connector Name	POWER STEERING CONTROL UNIT
Connector Type	TH12FW-WH



Terminal No.	3	G	G
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Signal Name	VIGN
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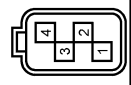
Connector No.	M116
Connector Name	WIRE TO WIRE
Connector Type	TK36MW-NS10



Terminal No.	38	G	G
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Signal Name	-
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Connector No.	M143
Connector Name	YAW RATE / SIDE G SENSOR
Connector Type	AAZ04FB



Terminal No.	4	G	G
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Signal Name	12V
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Fuse

JCMWA0105G1

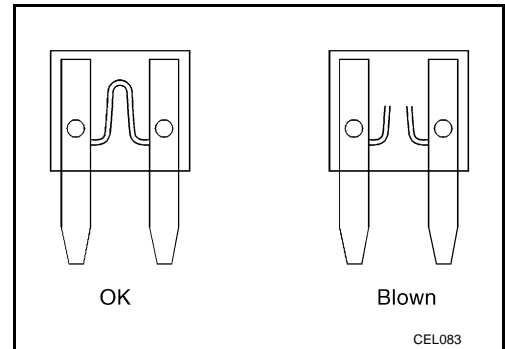
INFOID:000000000964300

POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

- 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.



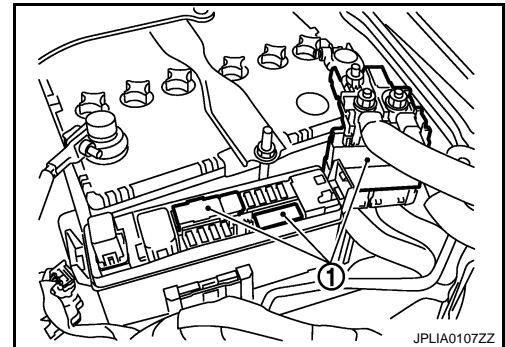
Fusible Link

A melted fusible link can be detected either by visual inspection or by feeling with finger tip. If its condition is questionable, use circuit tester or test lamp.

1 : Fusible link

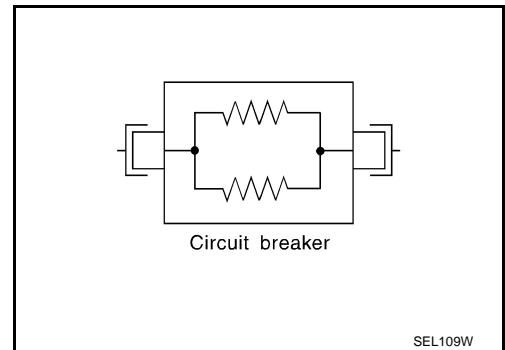
CAUTION:

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



Circuit Breaker

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.



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HARNESS LAYOUT

< COMPONENT DIAGNOSIS >

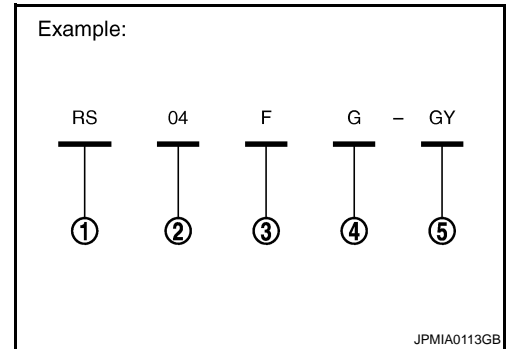
[POWER SUPPLY&GROUND CIRCUIT]

HARNESS LAYOUT

How To Read Harness Layout

INFOID:000000000964303

- 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

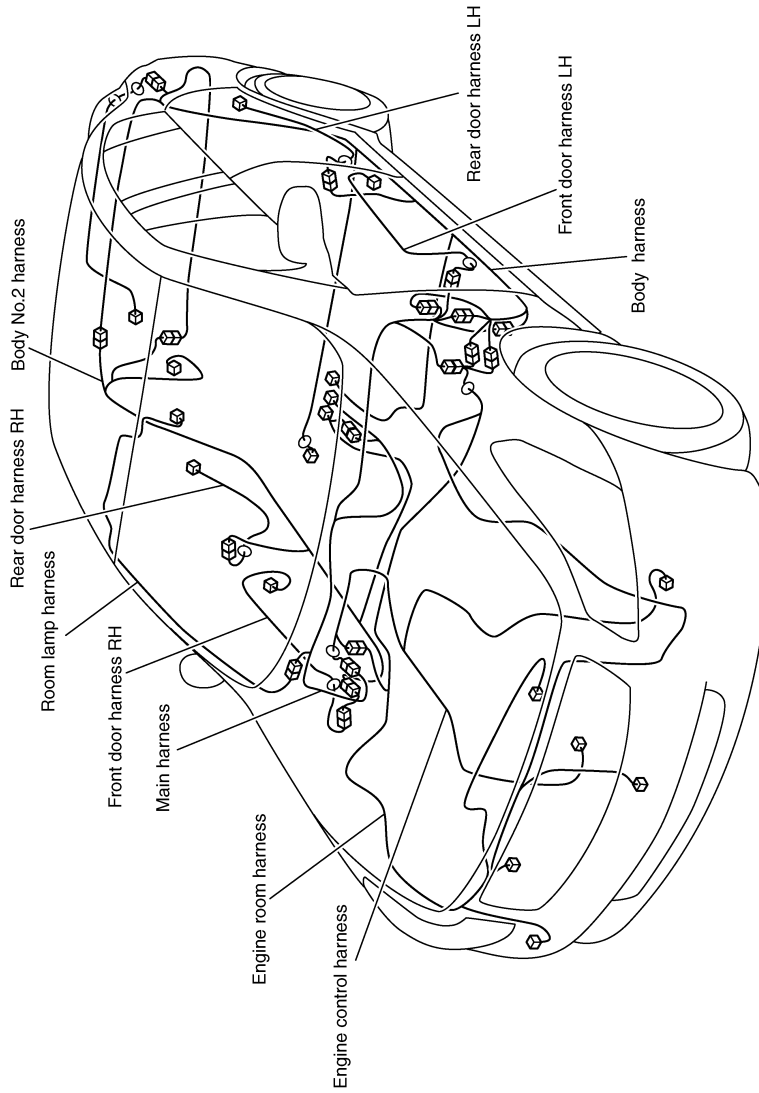
HARNES LAYOUT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

Outline

INFOID:000000000964304



OUTLINE

2006/09/15

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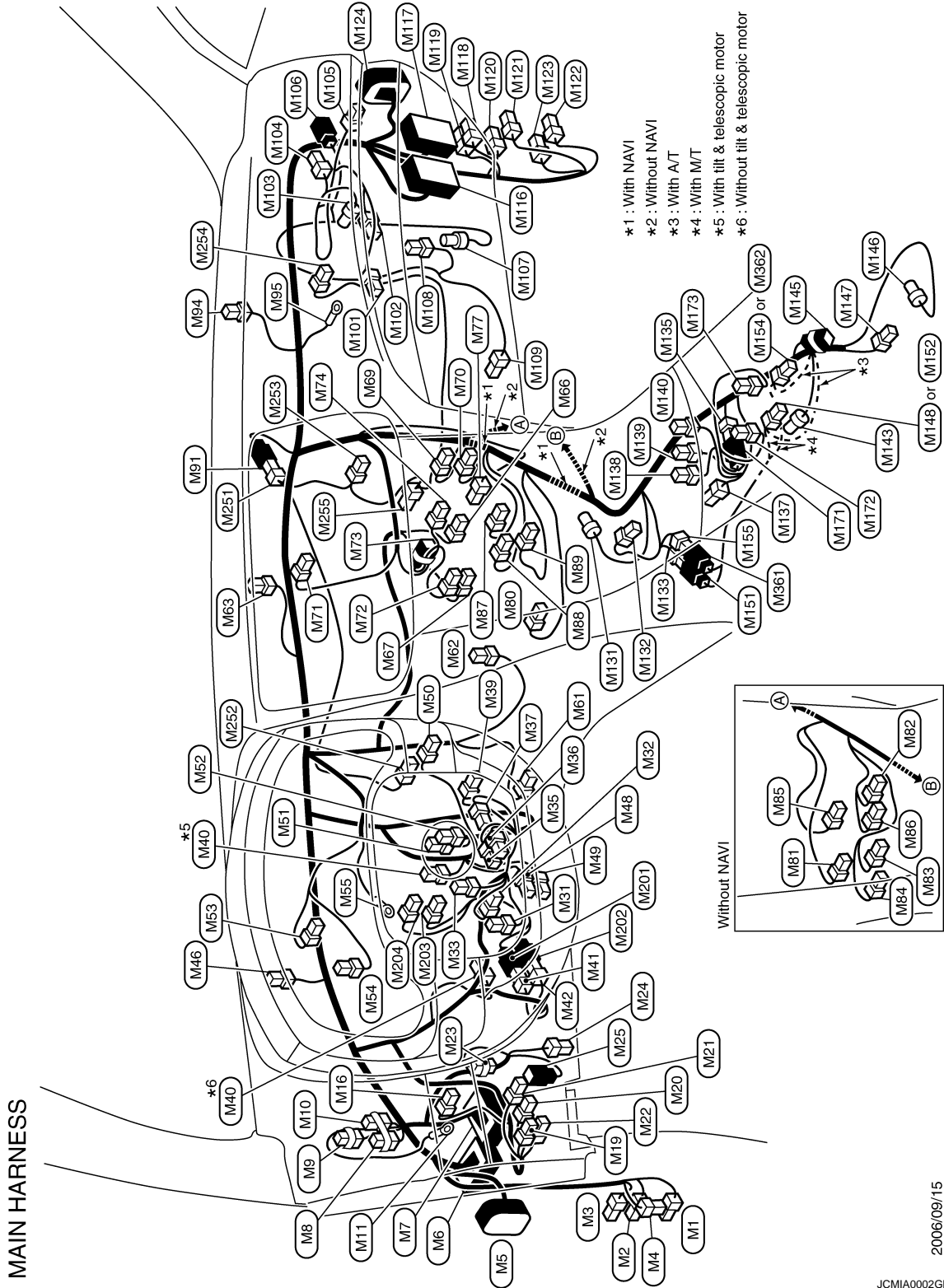
HARNES LAYOUT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

Main Harness

INFOID:000000000964305



MAIN HARNESS

Engine Room Harness

INFOID:000000000964306

2006/09/15

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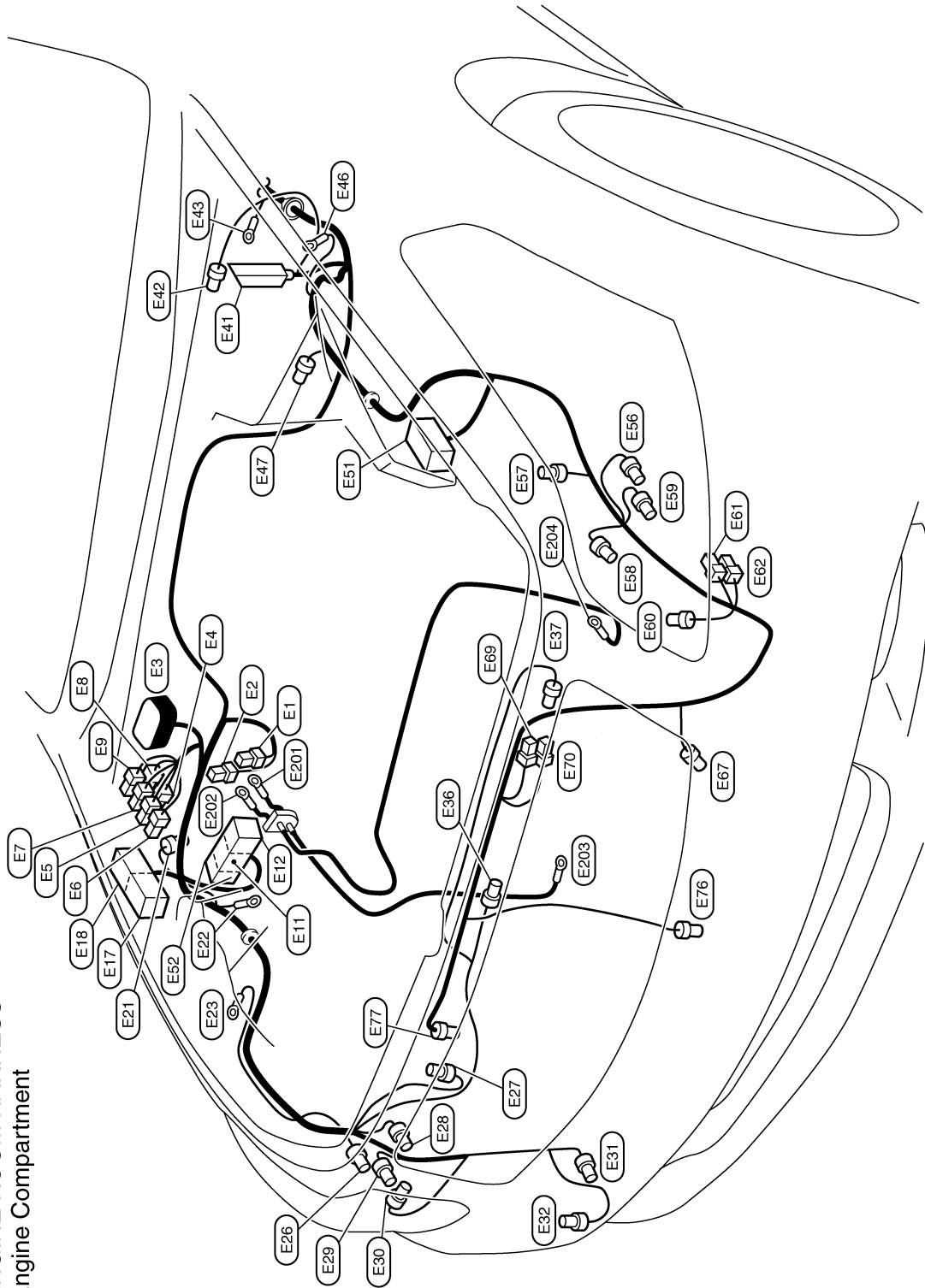
HARNES LAYOUT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

ENGINE COMPARTMENT

ENGINE ROOM HARNESS
Engine Compartment



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2006/09/15

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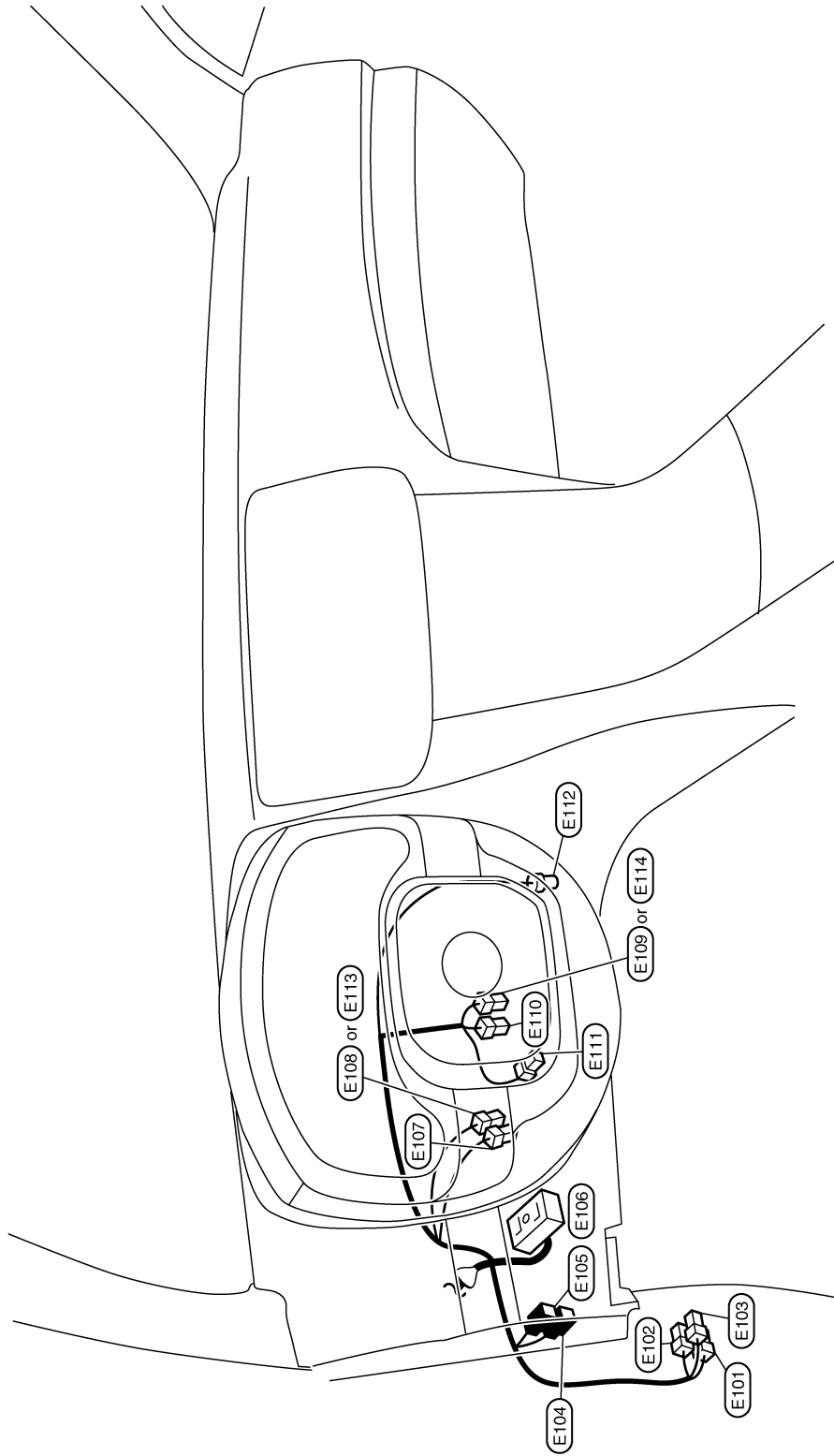
HARNES LAYOUT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

PASSENGER COMPARTMENT

Passenger Compartment



Engine Control Harness

JCMIA0004GB

INFOID:000000000964307

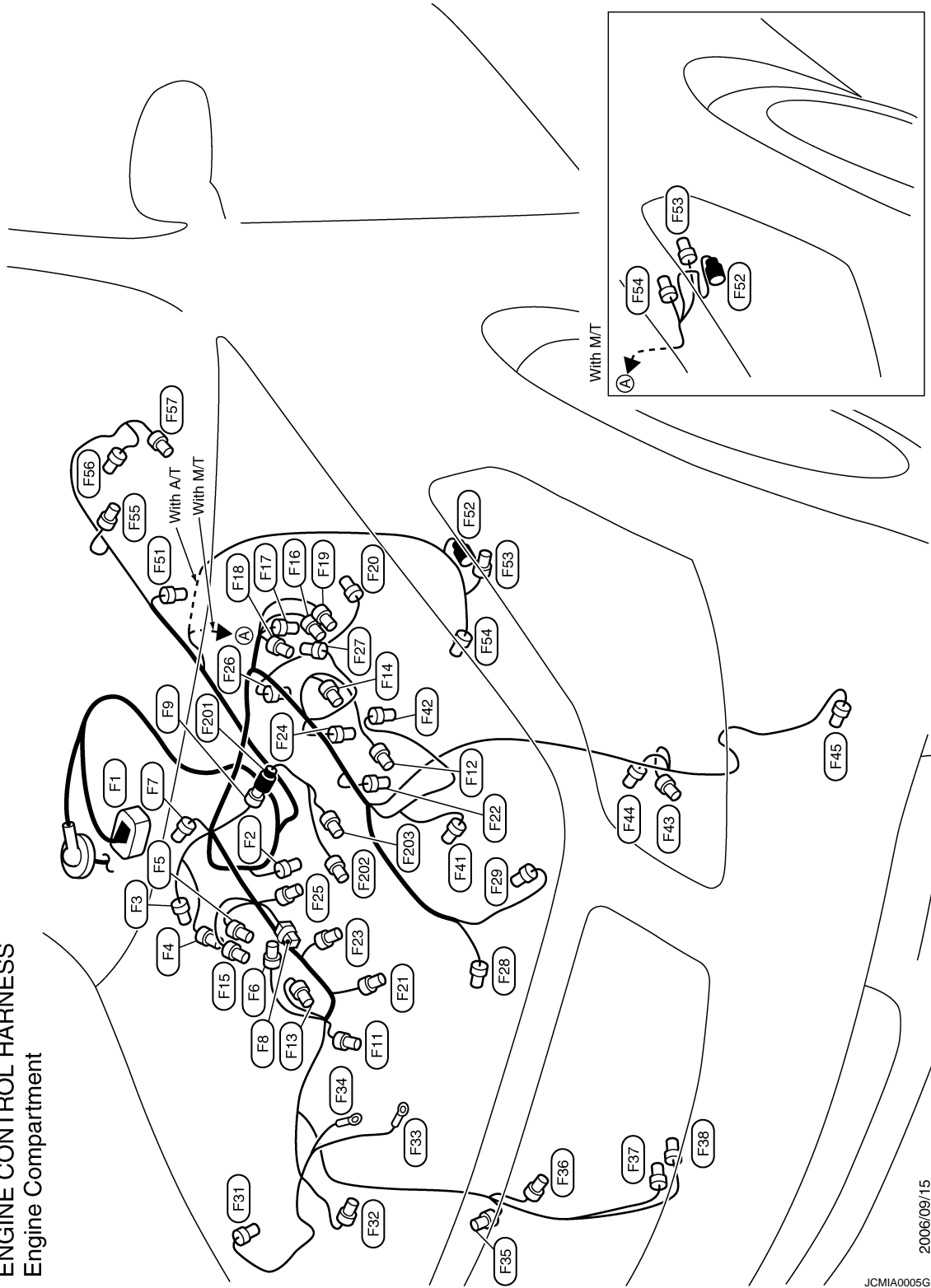
HARNES LAYOUT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

ENGINE COMPARTMENT

ENGINE CONTROL HARNESS
Engine Compartment



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2006/09/15

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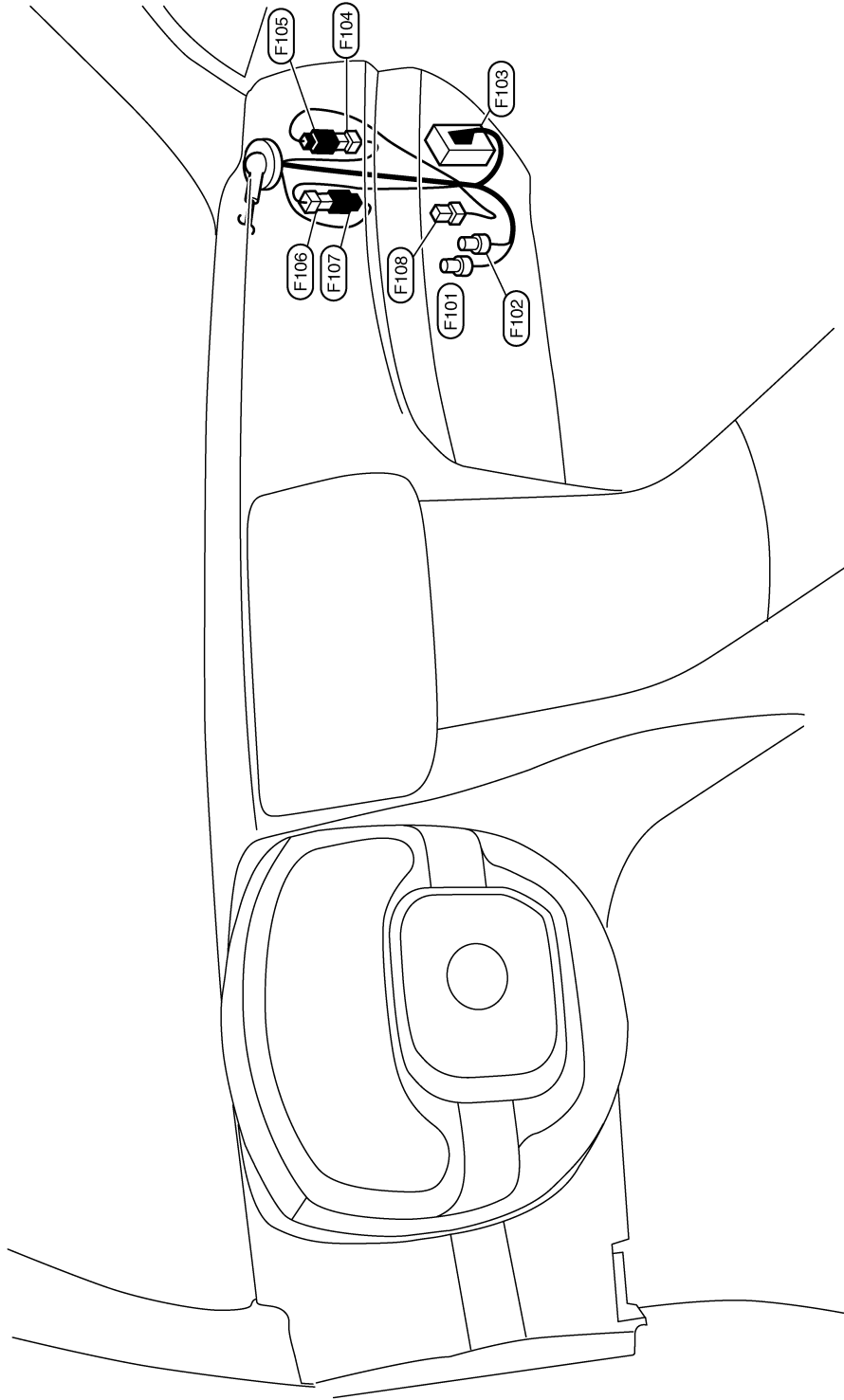
HARNES LAYOUT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

PASSENGER COMPARTMENT

Passenger Compartment



JCMIA0006GB

HARNES LAYOUT

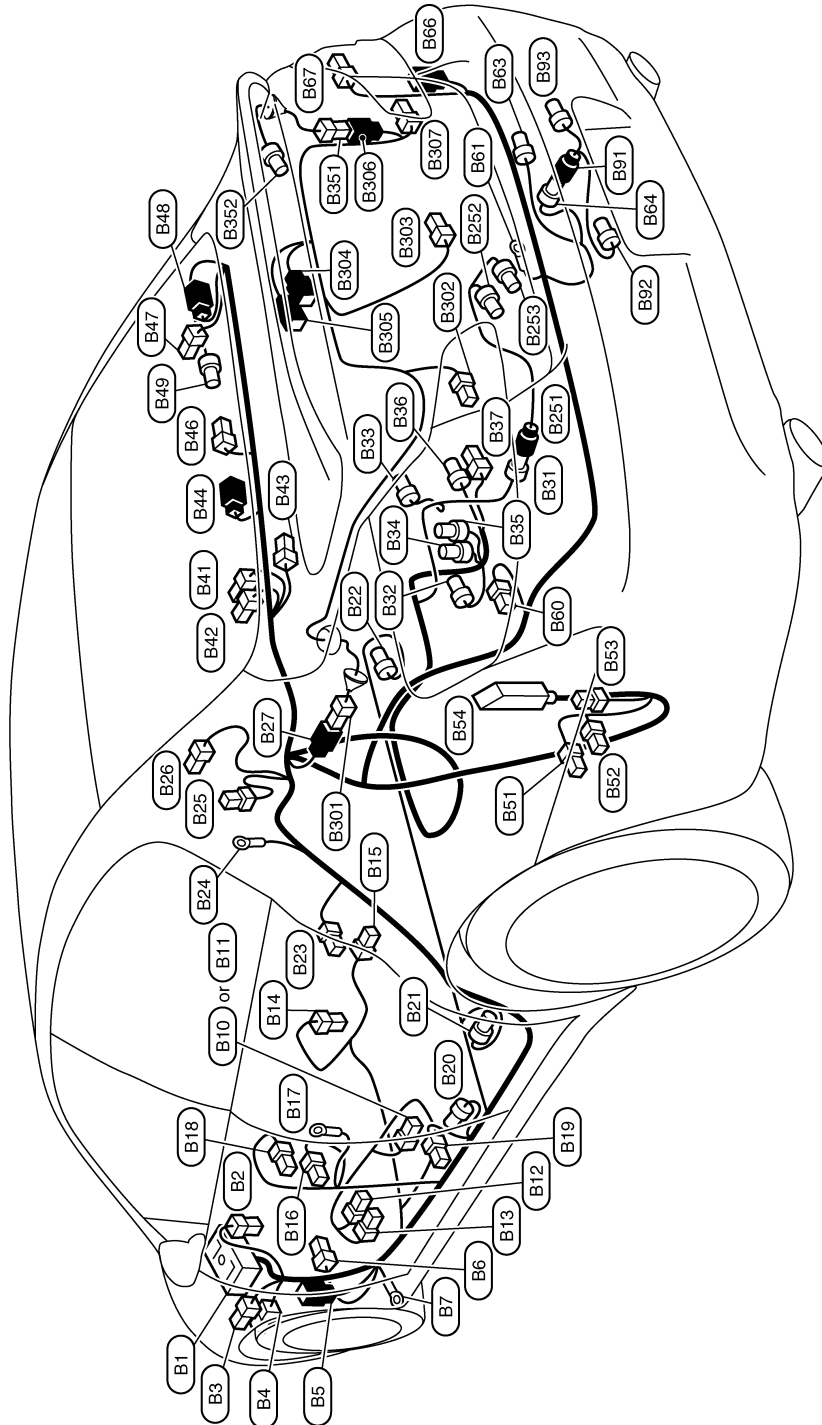
< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

Body Harness

INFOID:000000000964308

BODY HARNESS



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2006/09/15

JCMIA0007GB

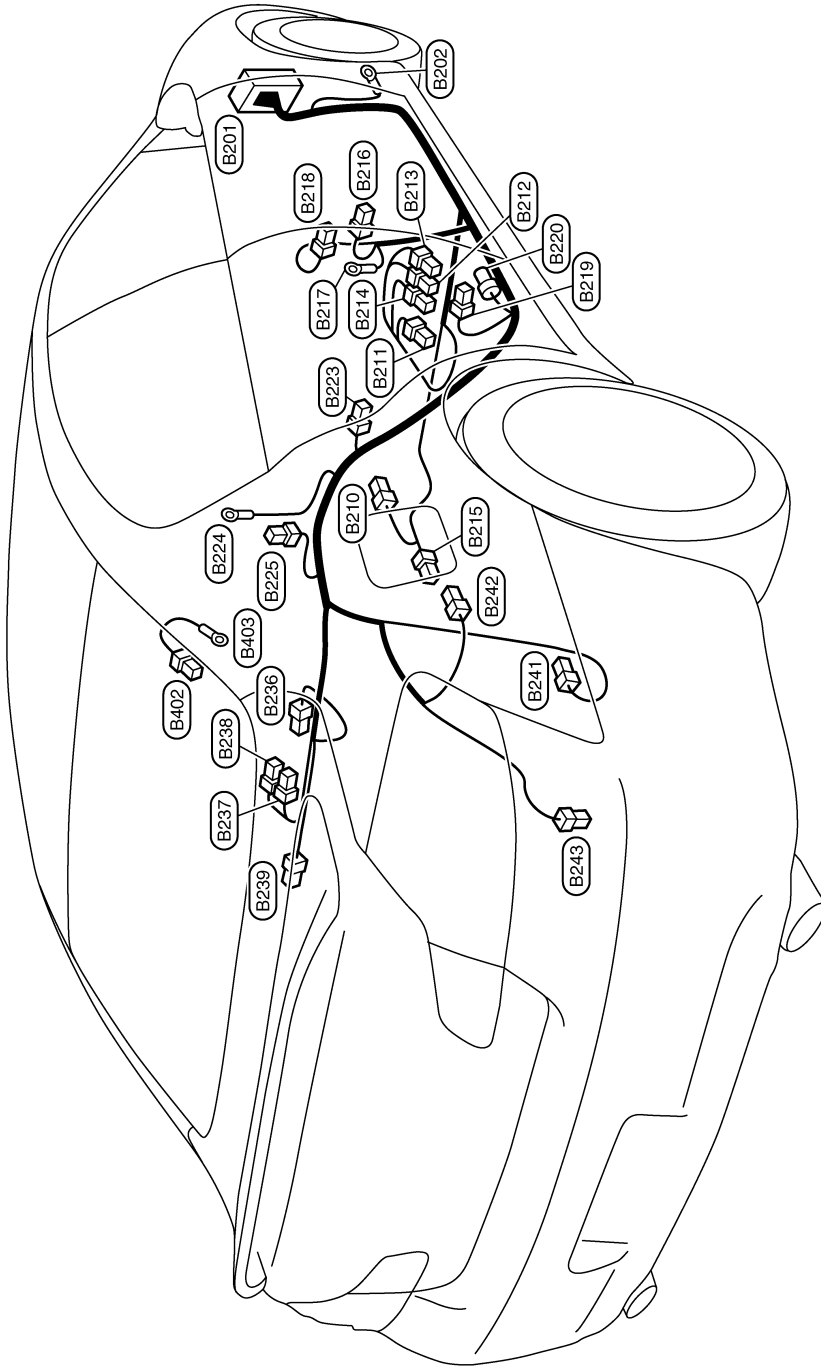
HARNESS LAYOUT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

Body No. 2 Harness

INFOID:000000000964309



BODY NO.2 HARNESS

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JCMIA0008GB

HARNES LAYOUT

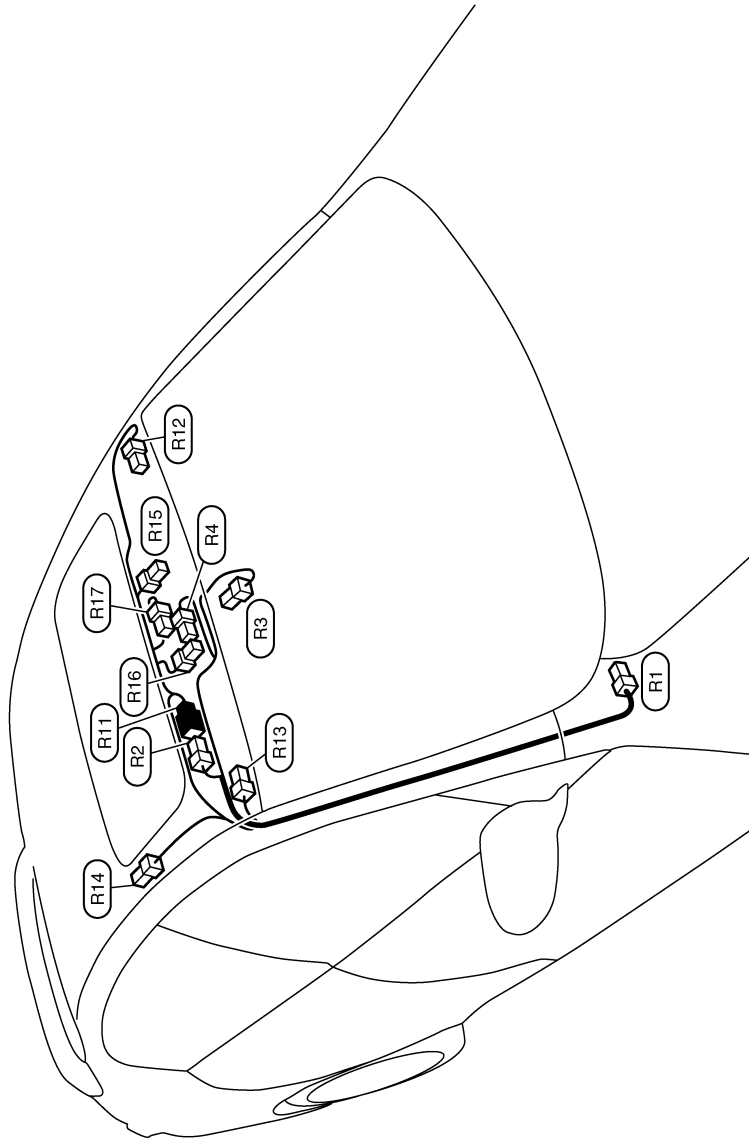
< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

Room Lamp Harness

INFOID:000000000964310

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ROOM LAMP HARNESS

Front Door Harness

2006/09/15

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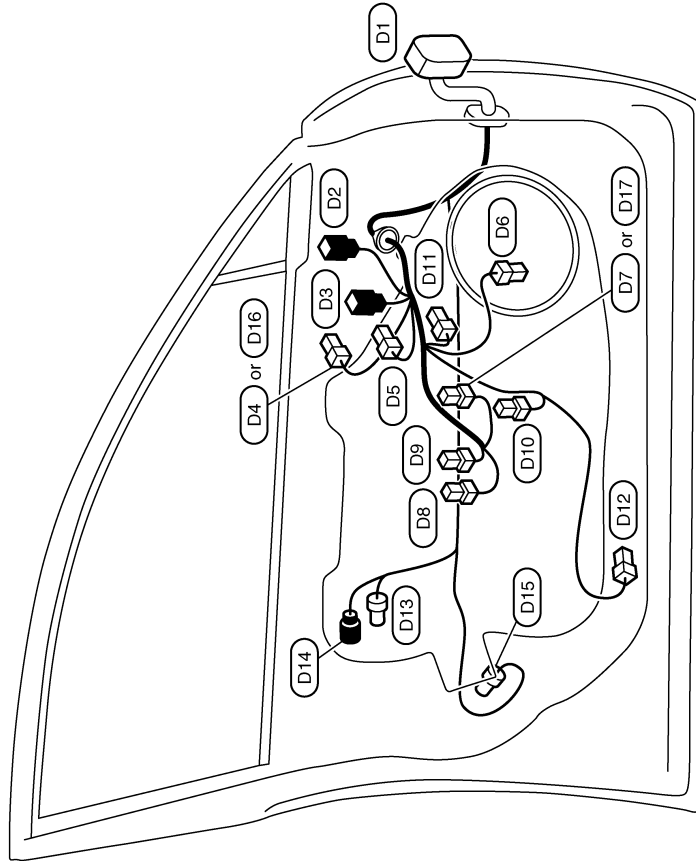
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HARNES LAYOUT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

LH SIDE



FRONT DOOR HARNESS LH

2006/09/15

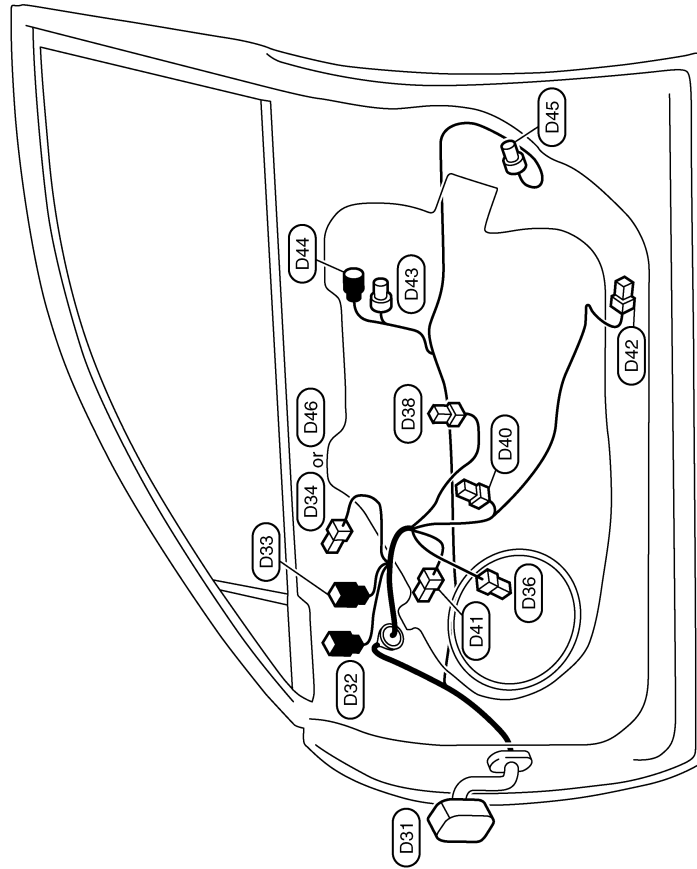
JCMIA0010GB

HARNES LAYOUT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

RH SIDE



FRONT DOOR HARNESS RH

Rear Door Harness

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2006/09/15

JCMIA0011GB

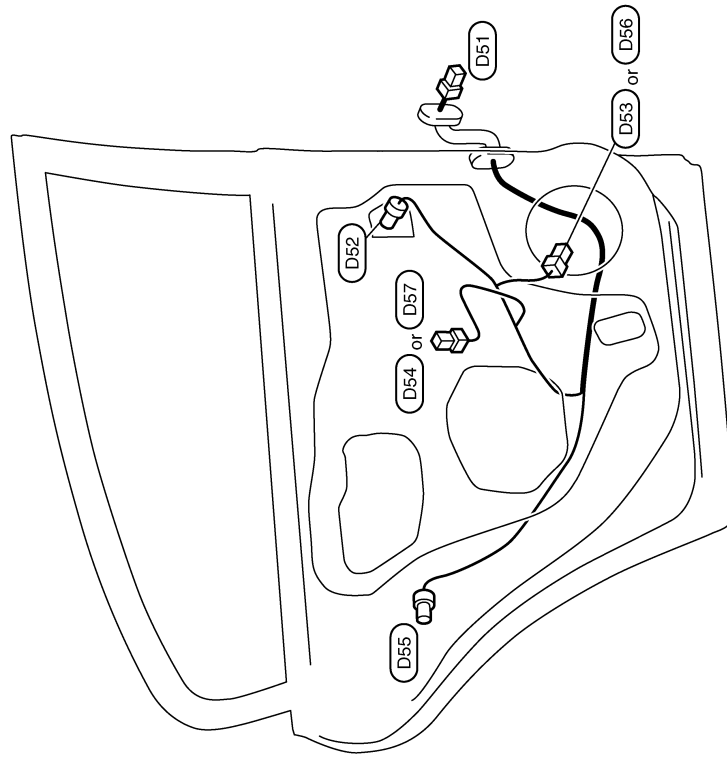
INFOID:000000000964312

HARNES LAYOUT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

LH SIDE



REAR DOOR HARNESS LH

2006/09/15

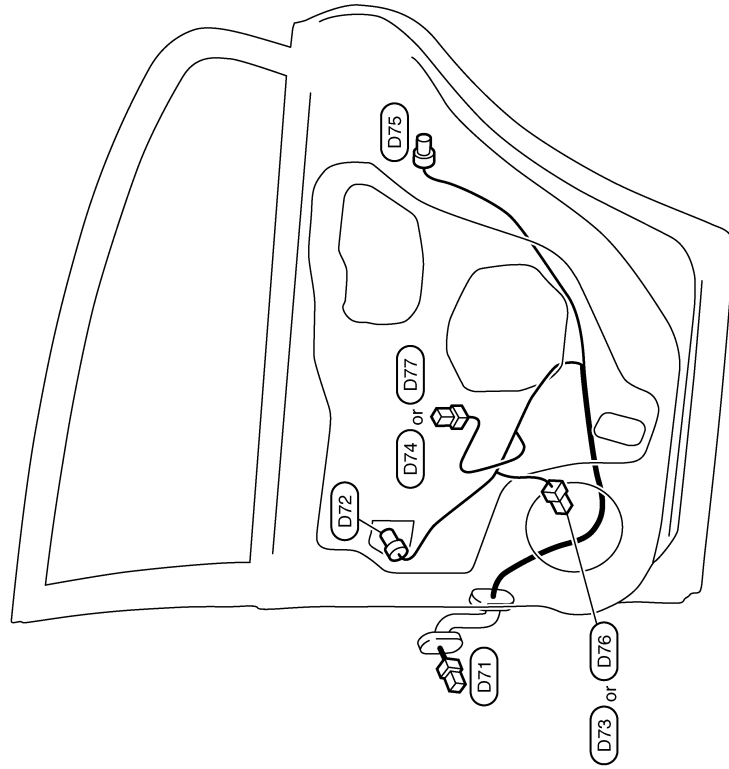
JCMIA0012GB

HARNES LAYOUT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

RH SIDE



REAR DOOR HARNESS RH

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2006/09/15

JCMIA0013GB

HARNESS CONNECTOR

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

HARNESS CONNECTOR

Description

INFOID:000000000964313

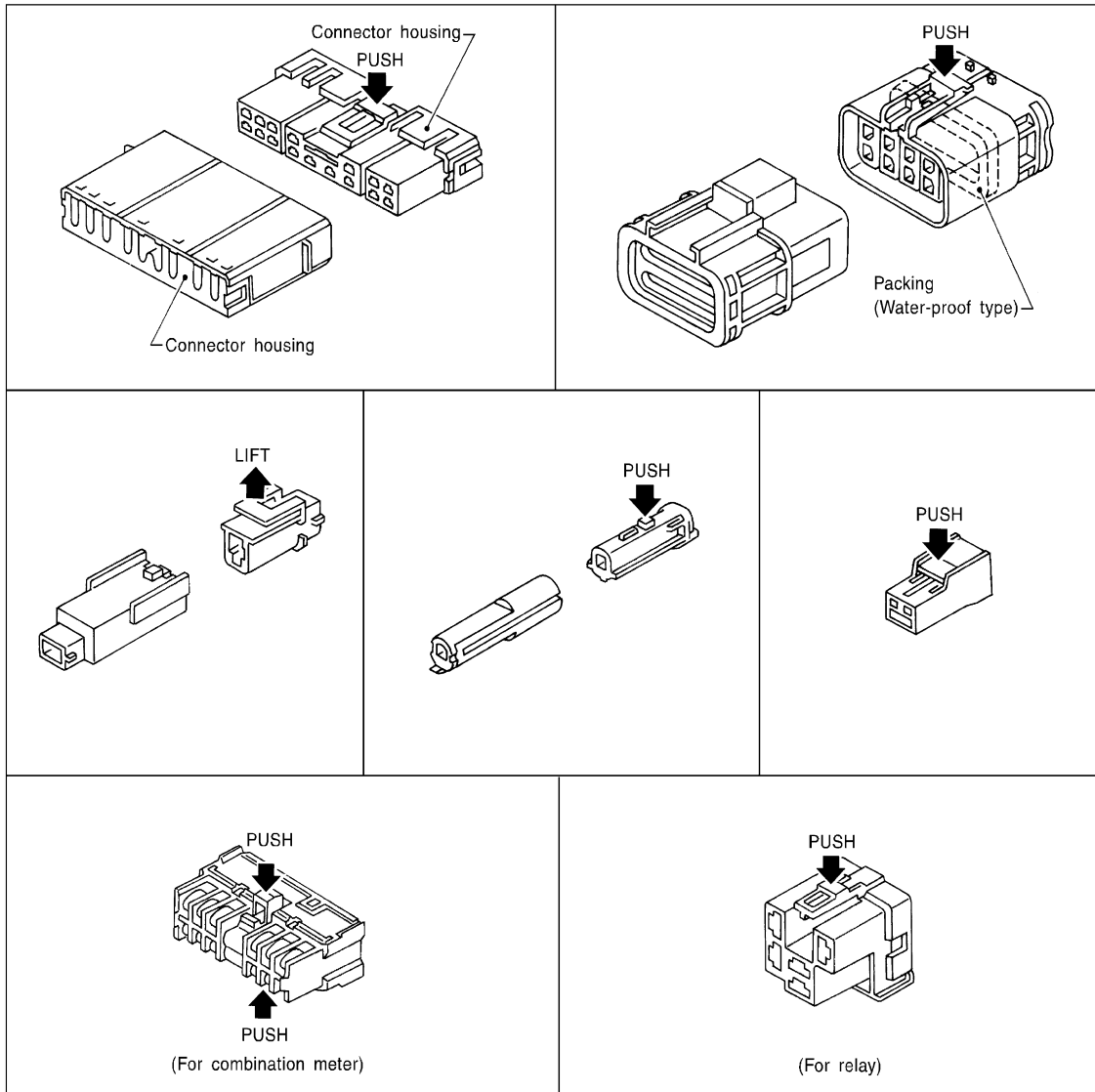
HARNESS CONNECTOR (TAB-LOCKING TYPE)

- 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

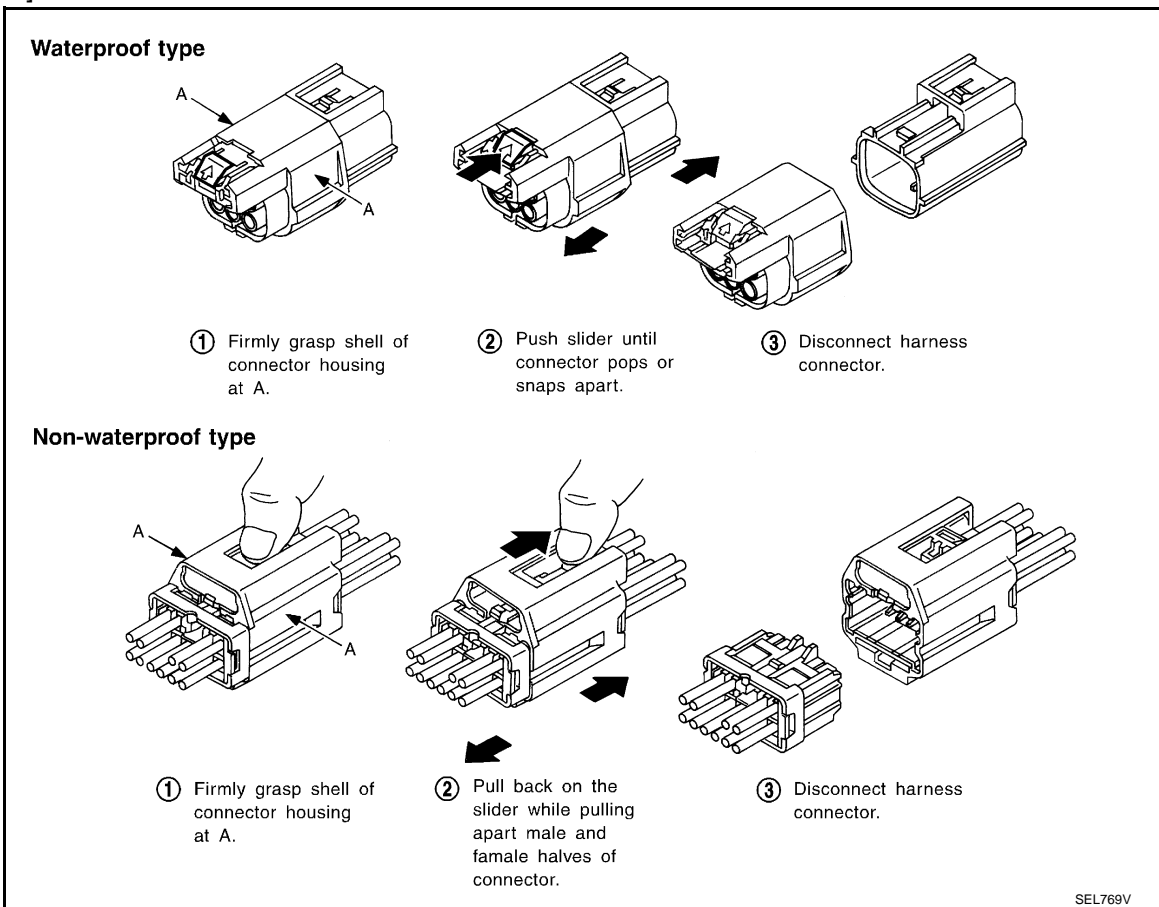
< COMPONENT DIAGNOSIS >

[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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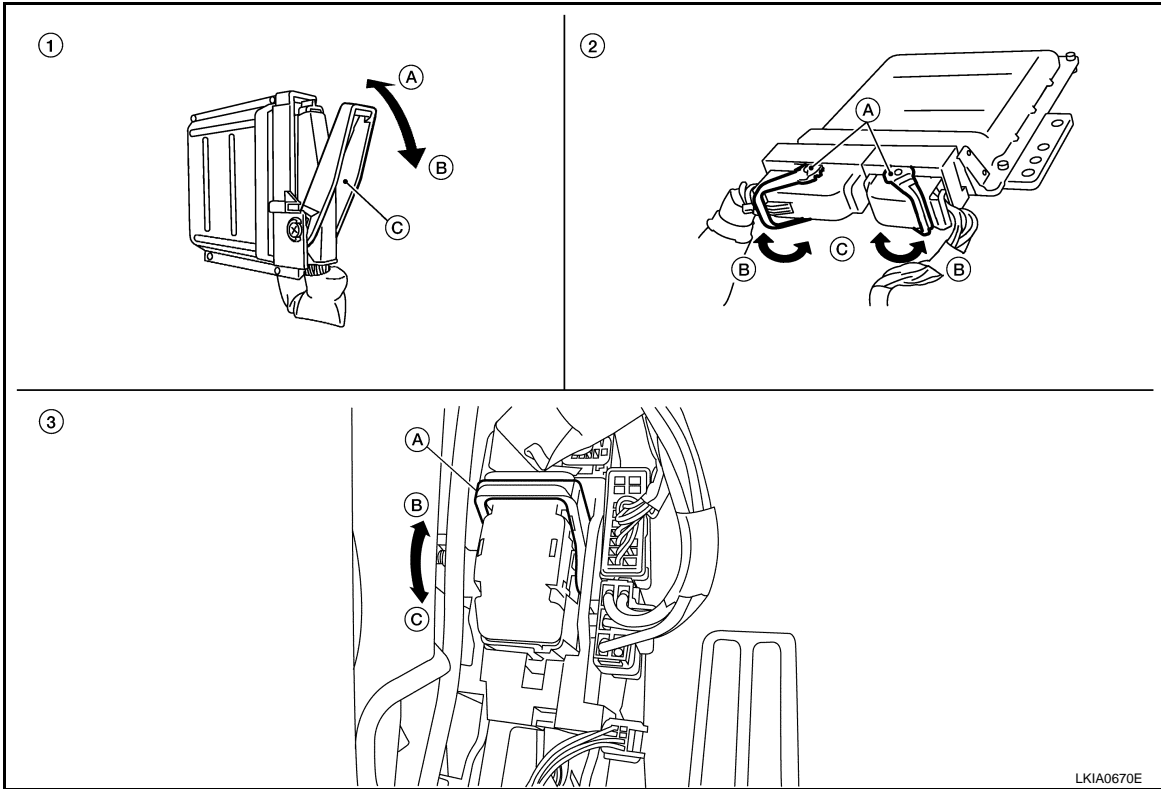
PG

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]

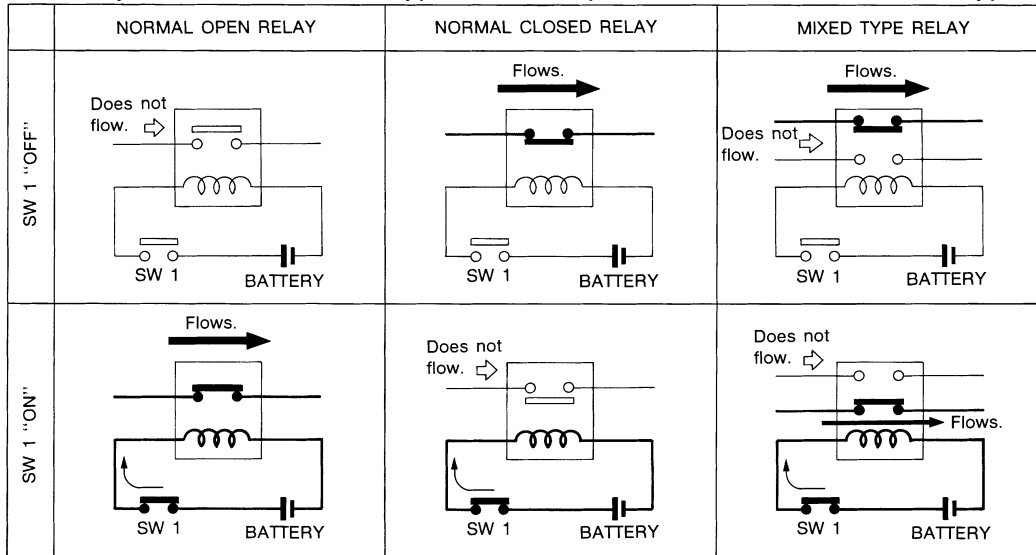
STANDARDIZED RELAY

Description

INFOID:000000000964314

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

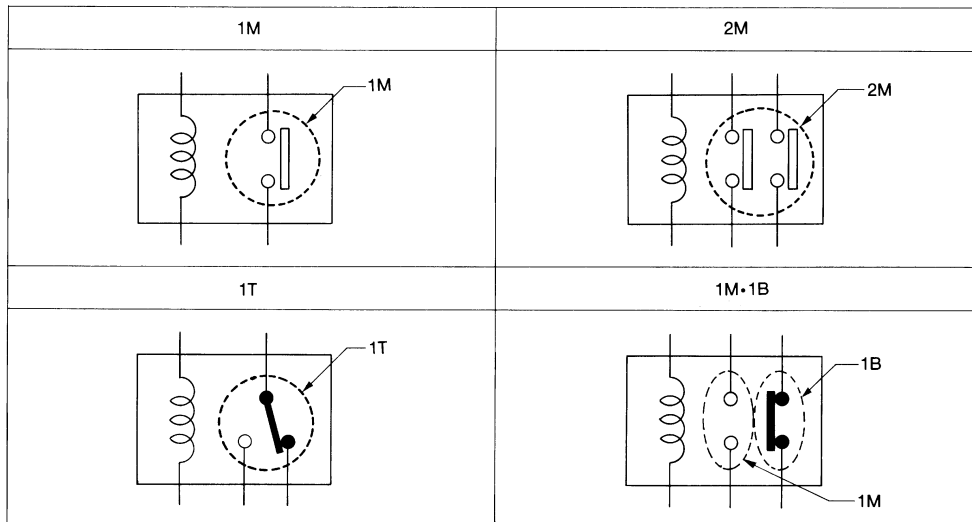
TYPE OF STANDARDIZED RELAYS

1M 1 Make

2M 2 Make

1T 1 Transfer

1M-1B 1 Make 1 Break

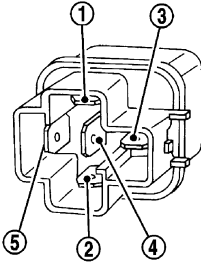
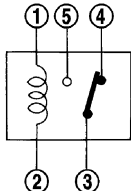
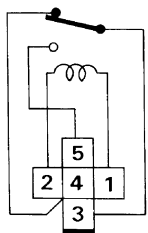
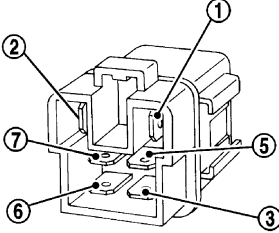
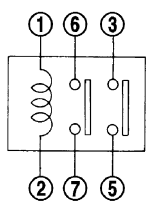
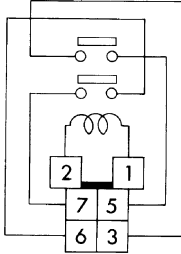
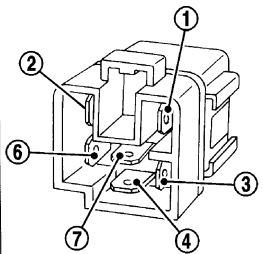
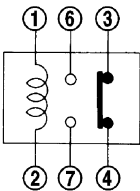
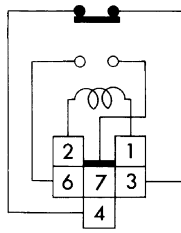
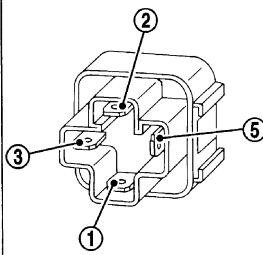
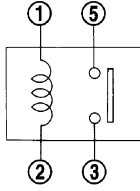
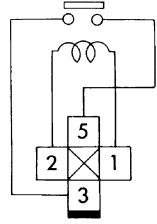
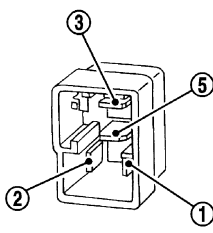
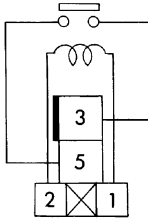


SEL882H

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)

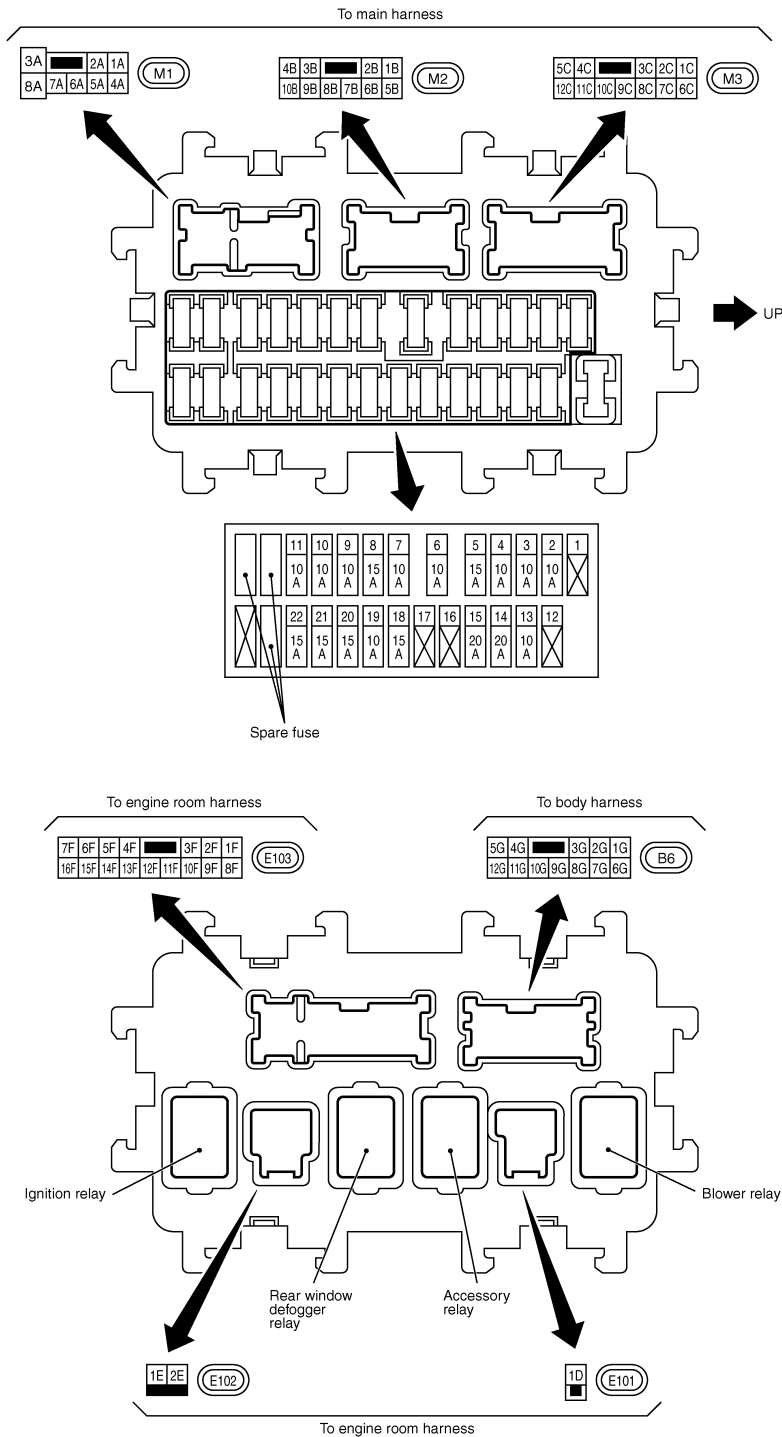
< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

FUSE BLOCK - JUNCTION BOX (J/B)

Fuse, Connector and Terminal Arrangement

INFOID:000000000964315



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FUSE, FUSIBLE LINK AND RELAY BOX

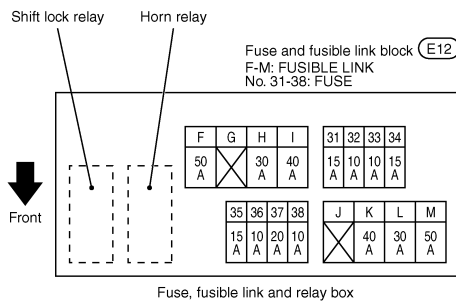
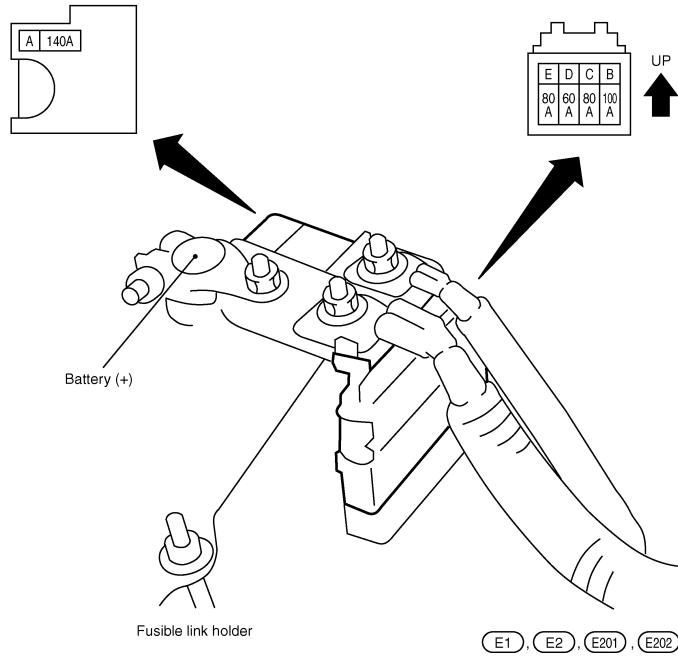
< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

FUSE, FUSIBLE LINK AND RELAY BOX

Fuse and Fusible Link Arrangement

INFOID:000000000964316



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

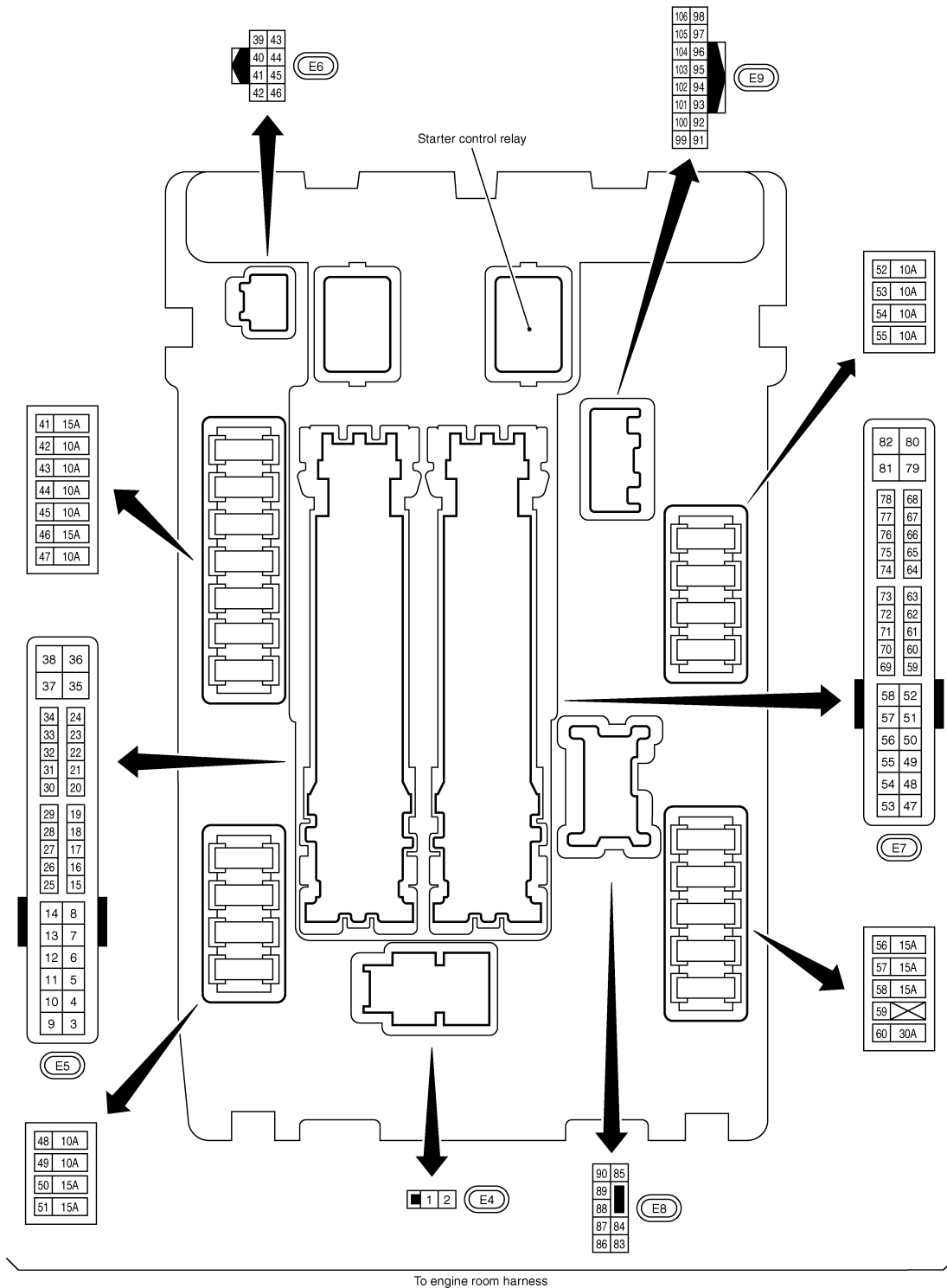
< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

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

Fuse, Connector and Terminal Arrangement

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PRECAUTION

PRECAUTIONS

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

INFOID:000000000964318

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 and SB section 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 section.
- Do not use electrical test equipment on any circuit related to the SRS unless instructed to in this Service Manual. SRS wiring harnesses can be identified by yellow and/or orange harnesses or harness connectors.

PREPARATION

[POWER SUPPLY&GROUND CIRCUIT]

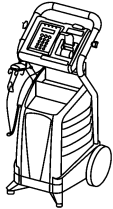
< PREPARATION >

PREPARATION

PREPARATION

Special Service Tools

INFOID:000000000964319

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

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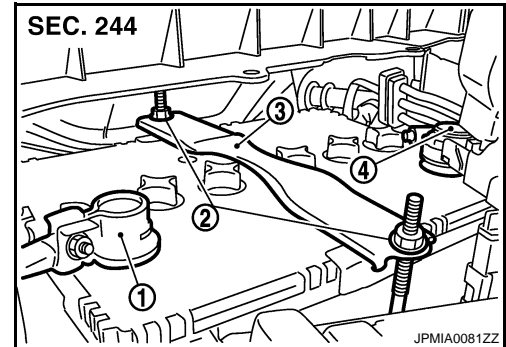
ON-VEHICLE REPAIR

BATTERY

Exploded View

INFOID:000000000964320

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

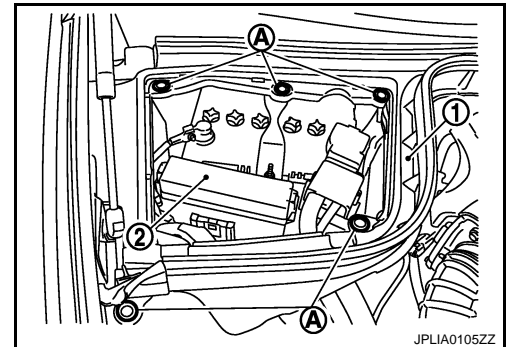


Removal and Installation

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REMOVAL

1. Remove battery cover.
2. Remove relay box (2) from the bracket.
3. Remove the clips (A), and remove hoodledge cover RH (1).

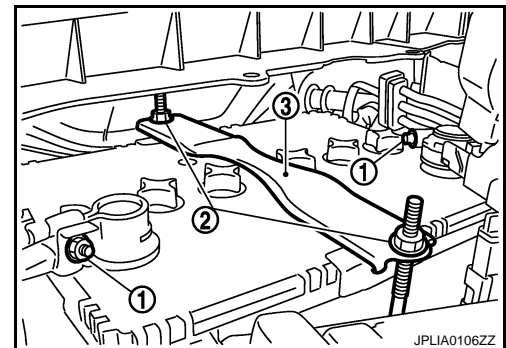


4. Loosen battery terminal nuts (1), and disconnect both battery cables from battery terminals.

CAUTION:

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

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



INSTALLATION

Install in the reverse order of removal.

CAUTION:

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

Battery fix frame mounting nut

: 3.9 N·m (0.40 kg-m, 35 in-lb)

Battery terminal nut

: 5.4 N·m (0.55 kg-m, 48 in-lb)

BATTERY TERMINAL WITH FUSIBLE LINK

< ON-VEHICLE REPAIR >

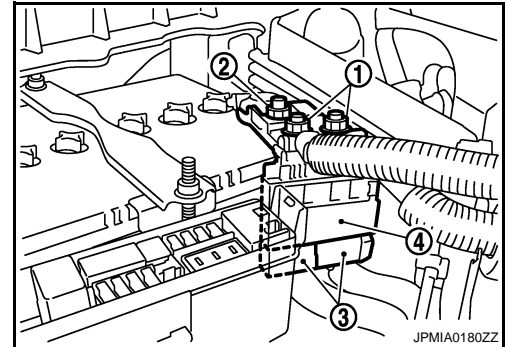
[POWER SUPPLY&GROUND CIRCUIT]

BATTERY TERMINAL WITH FUSIBLE LINK

Exploded View

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

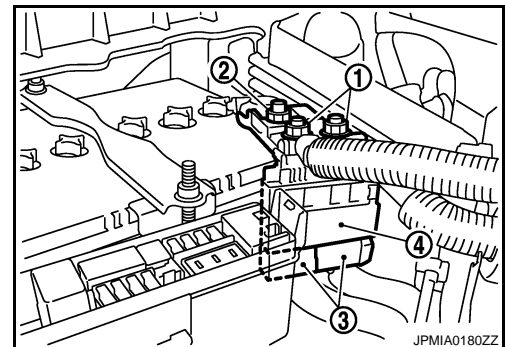


Removal and Installation

INFOID:000000000964323

REMOVAL

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



INSTALLATION

Install in the reverse order of removal.

Harness mounting nut

: 13.2 N·m (1.3 kg-m, 10 ft-lb)

Fusible link holder mounting nut

: 13.2 N·m (1.3 kg-m, 10 ft-lb)

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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:000000000964324

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