

SECTION **PG**

**POWER SUPPLY, GROUND & CIRCUIT ELEMENTS**

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## BASIC INSPECTION

### BATTERY

#### How to Handle Battery

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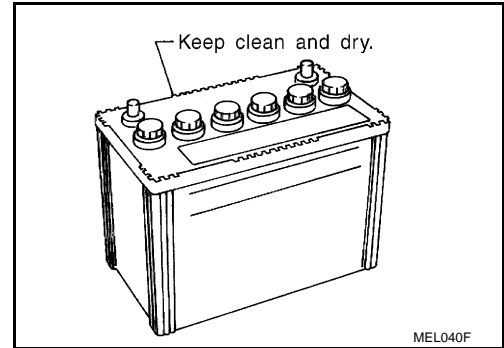
#### CAUTION:

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

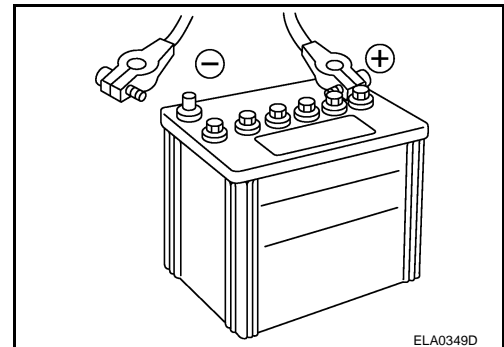
#### METHODS OF PREVENTING OVER-DISCHARGE

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

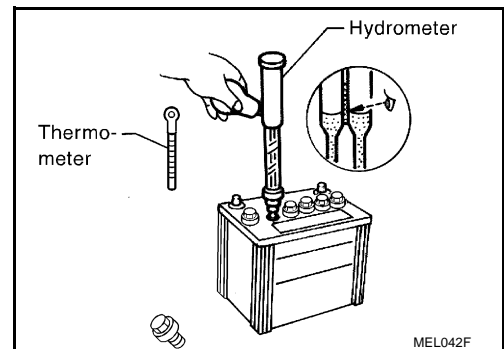
- The battery surface (particularly its top) should always be kept clean and dry.
- The terminal connections should be clean and tight.
- At every routine maintenance, check the electrolyte level. This also applies to batteries designated as "low maintenance" and "maintenance-free".



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



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



#### CHECKING ELECTROLYTE LEVEL

#### WARNING:

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

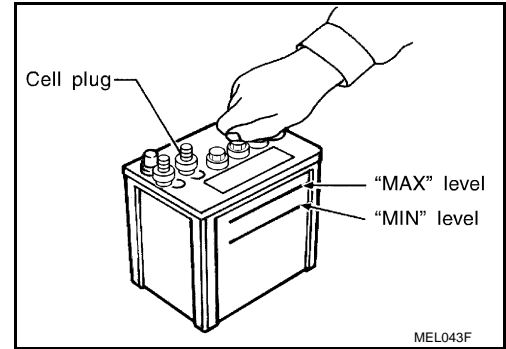
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# BATTERY

## [POWER SUPPLY & GROUND CIRCUIT]

### < BASIC INSPECTION >

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

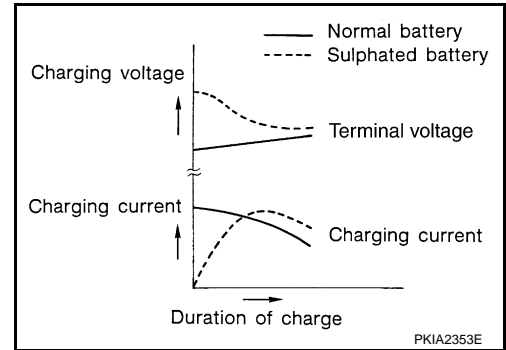


### Sulphation

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

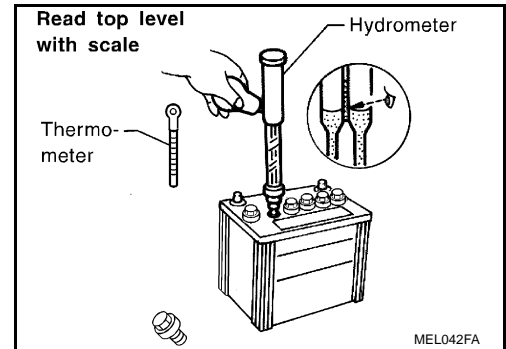
**To determine if a battery has been “sulphated”, note its voltage and current when charging it. As shown in the figure, less current and higher voltage are observed in the initial stage of charging sulphated batteries.**

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



### SPECIFIC GRAVITY CHECK

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



### Hydrometer Temperature Correction

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

# BATTERY

## < BASIC INSPECTION >

## [POWER SUPPLY & GROUND CIRCUIT]

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

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

### CHARGING THE BATTERY

#### CAUTION:

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

#### Charging Rates

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

Do not charge at more than 50 ampere rate.

#### NOTE:

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

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

### Work Flow

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### TROUBLE DIAGNOSIS WITH BATTERY SERVICE CENTER

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

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

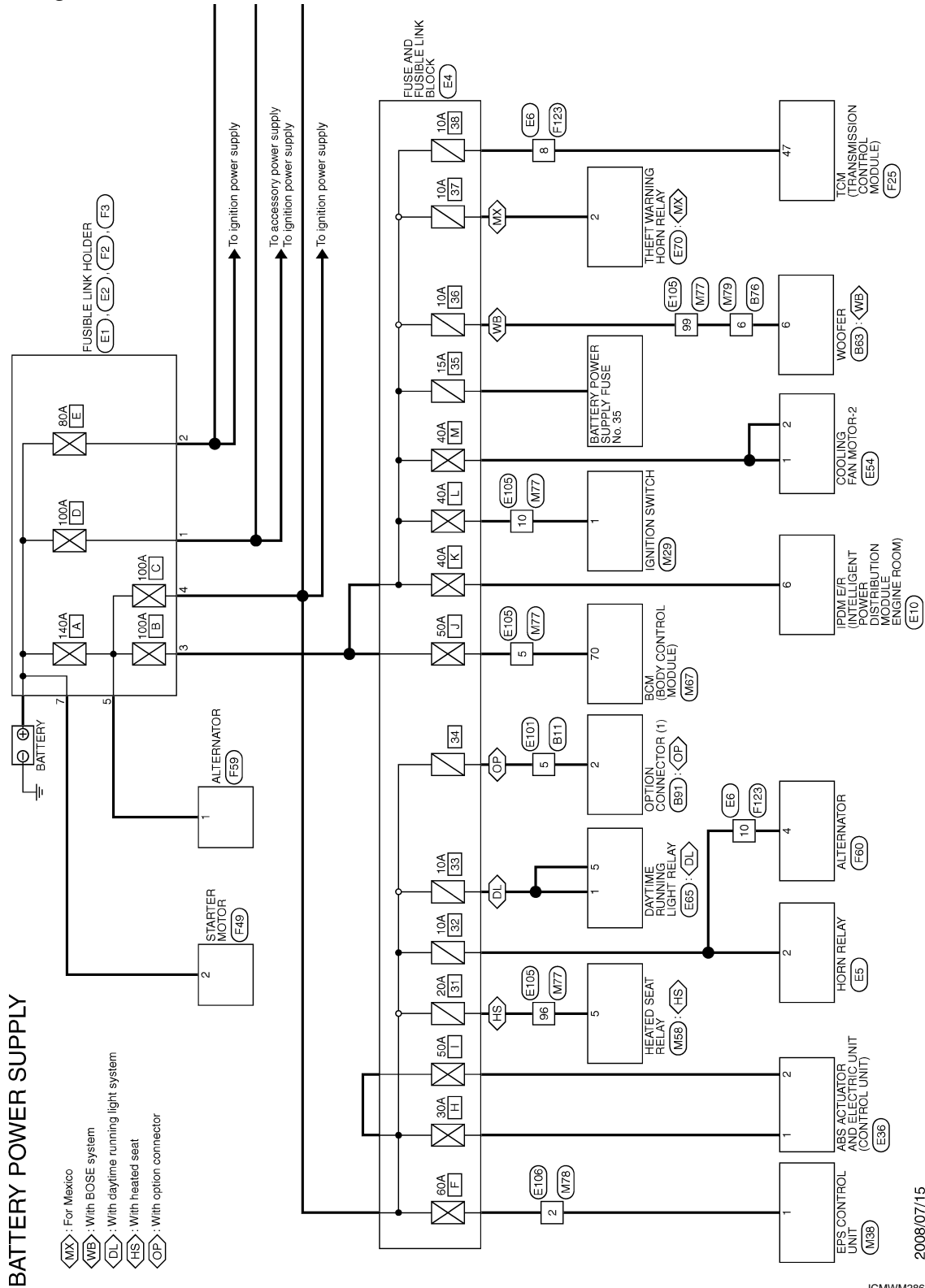
[POWER SUPPLY & GROUND CIRCUIT]

## DTC/CIRCUIT DIAGNOSIS

### POWER SUPPLY ROUTING CIRCUIT

#### Wiring Diagram - BATTERY POWER SUPPLY -

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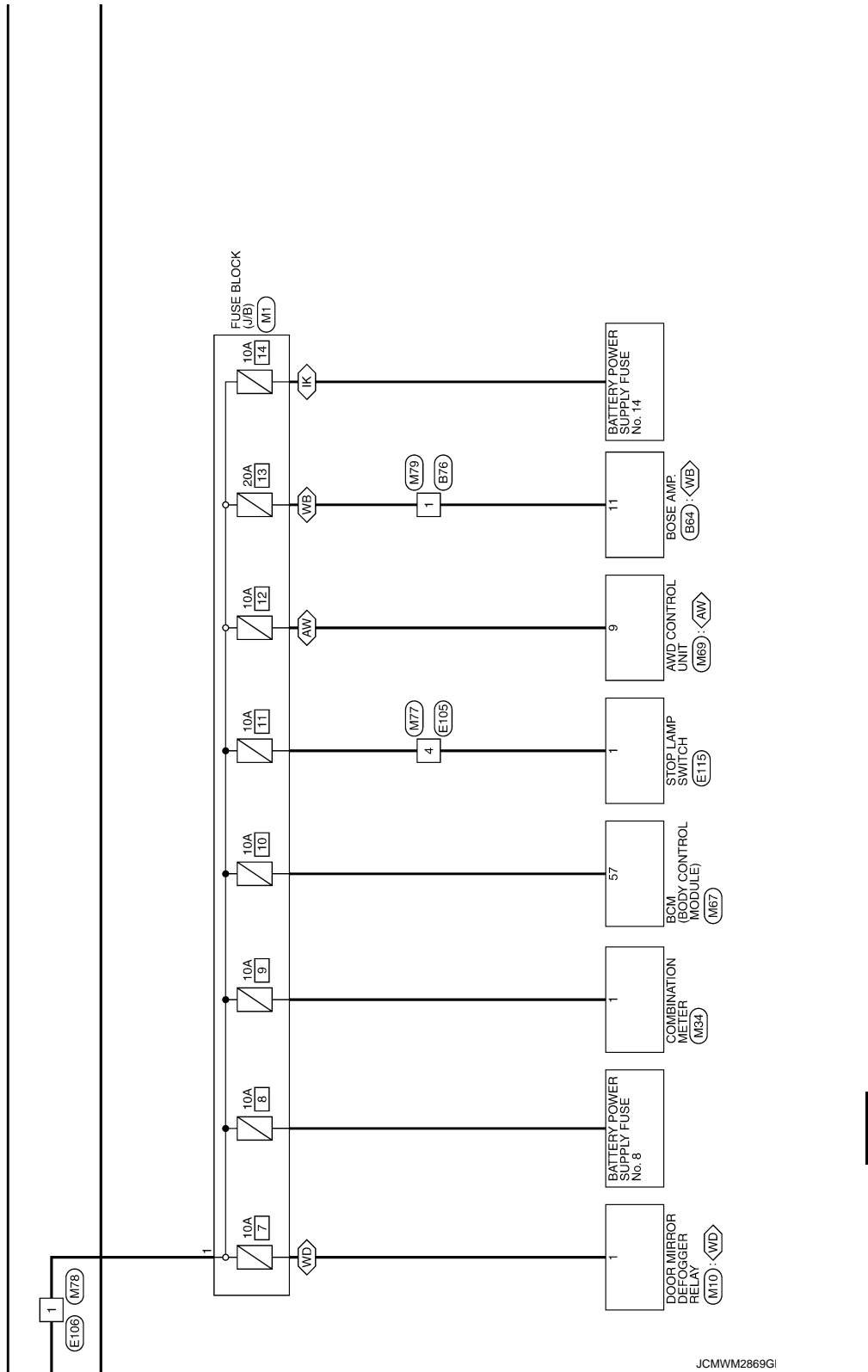
JCMWMM2868G

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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



JCMWM2869G1

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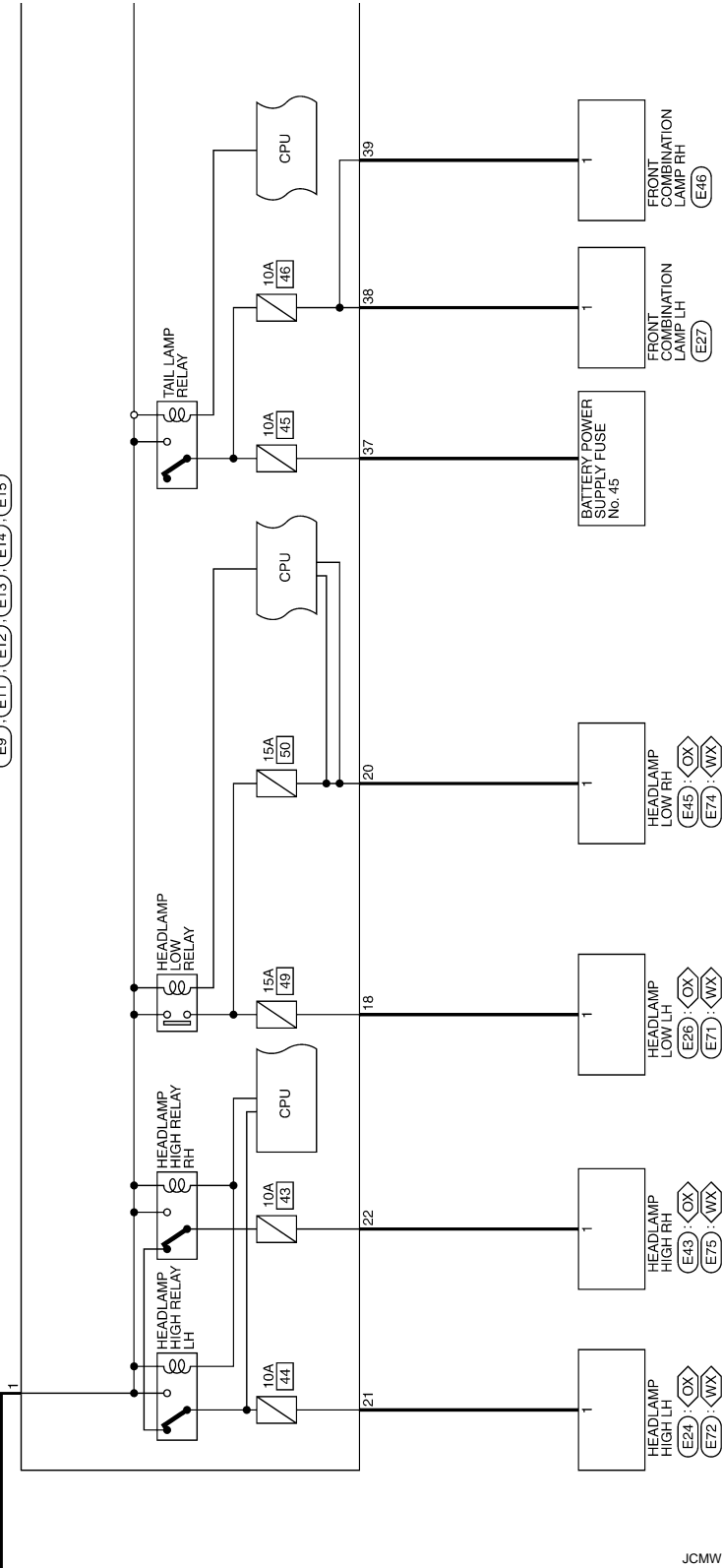
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

WX: With xenon headlamp  
 OX: Without xenon headlamp

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



JCMWM2870G





# POWER SUPPLY ROUTING CIRCUIT

## [POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

### BATTERY POWER SUPPLY

Connector No.	B11	Connector No.	B76
Connector Name	WIRE TO WIRE	Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4	Connector Type	NS12MM-CS

Terminal No.	5	Terminal No.	1	Terminal No.	2
Color of Wire	L	Color of Wire	W	Color of Wire	P
Signal Name [Specification]	-	Signal Name [Specification]	-	Signal Name [Specification]	-

Terminal No.	6	Terminal No.	11
Color of Wire	SB	Color of Wire	W
Signal Name [Specification]	BAT	Signal Name [Specification]	BAT

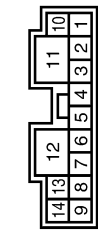
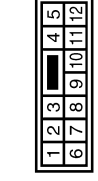
Terminal No.	6	Terminal No.	E1
Color of Wire	SB	Color of Wire	FUSIBLE LINK HOLDER
Signal Name [Specification]	BAT	Color of Wire	FUSIBLE LINK HOLDER

Terminal No.	5	Terminal No.	E2
Color of Wire	L	Color of Wire	FUSIBLE LINK HOLDER
Signal Name [Specification]	-	Color of Wire	FUSIBLE LINK HOLDER

Terminal No.	2	Terminal No.	E5
Color of Wire	L	Color of Wire	HORN RELAY
Signal Name [Specification]	-	Color of Wire	-




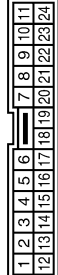
















JCMWM2872G

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BATTERY POWER SUPPLY

<table border="1"> <tr><td>Connector No.</td><td>E6</td></tr> <tr><td>Connector Name</td><td>WIRE TO WIRE</td></tr> <tr><td>Connector Type</td><td>TK2AW-1V</td></tr> </table>   <table border="1"> <tr><td>Terminal No.</td><td>8</td></tr> <tr><td>Terminal No.</td><td>10</td></tr> </table> <table border="1"> <tr><td>Color of Wire</td><td>O</td></tr> <tr><td>Color of Wire</td><td>LG</td></tr> </table> <table border="1"> <tr><td>Terminal No.</td><td>Signal Name [Specification]</td></tr> <tr><td>8</td><td>-</td></tr> <tr><td>10</td><td>-</td></tr> </table>	Connector No.	E6	Connector Name	WIRE TO WIRE	Connector Type	TK2AW-1V	Terminal No.	8	Terminal No.	10	Color of Wire	O	Color of Wire	LG	Terminal No.	Signal Name [Specification]	8	-	10	-	<table border="1"> <tr><td>Connector No.</td><td>E7</td></tr> <tr><td>Connector Name</td><td>WIRE TO WIRE</td></tr> <tr><td>Connector Type</td><td>NS16MH-CS</td></tr> </table>   <table border="1"> <tr><td>Terminal No.</td><td>5</td></tr> <tr><td>Terminal No.</td><td>6</td></tr> <tr><td>Terminal No.</td><td>14</td></tr> </table> <table border="1"> <tr><td>Color of Wire</td><td>V</td></tr> <tr><td>Color of Wire</td><td>L</td></tr> <tr><td>Color of Wire</td><td>P</td></tr> </table> <table border="1"> <tr><td>Terminal No.</td><td>Signal Name [Specification]</td></tr> <tr><td>5</td><td>-</td></tr> <tr><td>6</td><td>-</td></tr> <tr><td>14</td><td>-</td></tr> </table>	Connector No.	E7	Connector Name	WIRE TO WIRE	Connector Type	NS16MH-CS	Terminal No.	5	Terminal No.	6	Terminal No.	14	Color of Wire	V	Color of Wire	L	Color of Wire	P	Terminal No.	Signal Name [Specification]	5	-	6	-	14	-	<table border="1"> <tr><td>Connector No.</td><td>E8</td></tr> <tr><td>Connector Name</td><td>WIRE TO WIRE</td></tr> <tr><td>Connector Type</td><td>M02MH-LC</td></tr> </table>   <table border="1"> <tr><td>Terminal No.</td><td>2</td></tr> </table> <table border="1"> <tr><td>Color of Wire</td><td>R</td></tr> </table> <table border="1"> <tr><td>Terminal No.</td><td>Signal Name [Specification]</td></tr> <tr><td>2</td><td>-</td></tr> </table>	Connector No.	E8	Connector Name	WIRE TO WIRE	Connector Type	M02MH-LC	Terminal No.	2	Color of Wire	R	Terminal No.	Signal Name [Specification]	2	-	<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>L02FB-MC</td></tr> </table>   <table border="1"> <tr><td>Terminal No.</td><td>1</td></tr> <tr><td>Terminal No.</td><td>2</td></tr> </table> <table border="1"> <tr><td>Color of Wire</td><td>R</td></tr> <tr><td>Color of Wire</td><td>G</td></tr> </table> <table border="1"> <tr><td>Terminal No.</td><td>Signal Name [Specification]</td></tr> <tr><td>1</td><td>-</td></tr> <tr><td>2</td><td>-</td></tr> </table>	Connector No.	E9	Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)	Connector Type	L02FB-MC	Terminal No.	1	Terminal No.	2	Color of Wire	R	Color of Wire	G	Terminal No.	Signal Name [Specification]	1	-	2	-
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Terminal No.	Signal Name [Specification]																																																																																		
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Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)																																																																																		
Connector Type	M06FB-LC																																																																																		
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Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)																																																																																		
Connector Type	NS08FB-CS																																																																																		
Terminal No.	16																																																																																		
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JCMWM2873GI

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# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BATTERY POWER SUPPLY

Connector No.	E26
Connector Name	HEADLAMP LOW LH (WITHOUT XENON HEADLAMP)
Connector Type	FH2Z2FB



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

Connector No.	E24
Connector Name	HEADLAMP HIGH LH (WITHOUT XENON HEADLAMP)
Connector Type	U02FB



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

Connector No.	E15
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	NS12FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
47	BR	-
48	R	-
51	L	-
52	P	-
61	R	-

Connector No.	E14
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	NS12FB-CS



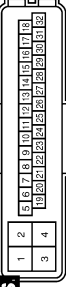
Terminal No.	Color of Wire	Signal Name [Specification]
37	R	-
38	R	-
39	GR	-

Connector No.	E43
Connector Name	HEADLAMP HIGH RH (WITHOUT XENON HEADLAMP)
Connector Type	U02FB



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

Connector No.	E36
Connector Name	ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT)
Connector Type	RH28FB-NL4-DH



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	MOTOR
2	BR	ACTR

Connector No.	E30
Connector Name	FRONT FOG LAMP LH
Connector Type	FH2Z2FB



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

Connector No.	E27
Connector Name	FRONT COMBINATION LAMP LH
Connector Type	Z03FGY



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

















JCMWM2874G

# POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

## BATTERY POWER SUPPLY

<table border="1"> <tr><td>Connector No.</td><td>E45</td></tr> <tr><td>Connector Name</td><td>HEADLAMP LOW RH (WITHOUT XENON HEADLAMP)</td></tr> <tr><td>Connector Type</td><td>FHZ02FB</td></tr> </table>  	Connector No.	E45	Connector Name	HEADLAMP LOW RH (WITHOUT XENON HEADLAMP)	Connector Type	FHZ02FB	<table border="1"> <tr><td>Terminal No.</td><td>1</td><td>SB</td></tr> <tr><td>Color of Wire</td><td></td><td></td></tr> <tr><td>Signal Name [Specification]</td><td></td><td></td></tr> </table>	Terminal No.	1	SB	Color of Wire			Signal Name [Specification]											
Connector No.	E45																								
Connector Name	HEADLAMP LOW RH (WITHOUT XENON HEADLAMP)																								
Connector Type	FHZ02FB																								
Terminal No.	1	SB																							
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<table border="1"> <tr><td>Connector No.</td><td>E46</td></tr> <tr><td>Connector Name</td><td>FRONT COMBINATION LAMP RH</td></tr> <tr><td>Connector Type</td><td>Z03FGY</td></tr> </table>  	Connector No.	E46	Connector Name	FRONT COMBINATION LAMP RH	Connector Type	Z03FGY	<table border="1"> <tr><td>Terminal No.</td><td>1</td><td>GR</td></tr> <tr><td>Color of Wire</td><td></td><td></td></tr> <tr><td>Signal Name [Specification]</td><td></td><td></td></tr> </table>	Terminal No.	1	GR	Color of Wire			Signal Name [Specification]											
Connector No.	E46																								
Connector Name	FRONT COMBINATION LAMP RH																								
Connector Type	Z03FGY																								
Terminal No.	1	GR																							
Color of Wire																									
Signal Name [Specification]																									
<table border="1"> <tr><td>Connector No.</td><td>E48</td></tr> <tr><td>Connector Name</td><td>FRONT FOG LAMP RH</td></tr> <tr><td>Connector Type</td><td>FHZ02FB</td></tr> </table>  	Connector No.	E48	Connector Name	FRONT FOG LAMP RH	Connector Type	FHZ02FB	<table border="1"> <tr><td>Terminal No.</td><td>2</td><td>W</td></tr> <tr><td>Color of Wire</td><td></td><td></td></tr> <tr><td>Signal Name [Specification]</td><td></td><td></td></tr> </table>	Terminal No.	2	W	Color of Wire			Signal Name [Specification]											
Connector No.	E48																								
Connector Name	FRONT FOG LAMP RH																								
Connector Type	FHZ02FB																								
Terminal No.	2	W																							
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Signal Name [Specification]																									
<table border="1"> <tr><td>Connector No.</td><td>E44</td></tr> <tr><td>Connector Name</td><td>COOLING FAN MOTOR-2</td></tr> <tr><td>Connector Type</td><td>RS04FGY-PR</td></tr> </table>  	Connector No.	E44	Connector Name	COOLING FAN MOTOR-2	Connector Type	RS04FGY-PR	<table border="1"> <tr><td>Terminal No.</td><td>1</td><td>O</td></tr> <tr><td>Color of Wire</td><td></td><td></td></tr> <tr><td>Signal Name [Specification]</td><td></td><td></td></tr> <tr><td>Terminal No.</td><td>2</td><td>O</td></tr> <tr><td>Color of Wire</td><td></td><td></td></tr> <tr><td>Signal Name [Specification]</td><td></td><td></td></tr> </table>	Terminal No.	1	O	Color of Wire			Signal Name [Specification]			Terminal No.	2	O	Color of Wire			Signal Name [Specification]		
Connector No.	E44																								
Connector Name	COOLING FAN MOTOR-2																								
Connector Type	RS04FGY-PR																								
Terminal No.	1	O																							
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Signal Name [Specification]																									
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<table border="1"> <tr><td>Connector No.</td><td>E55</td></tr> <tr><td>Connector Name</td><td>DAYTIME RUNNING LIGHT RELAY</td></tr> <tr><td>Connector Type</td><td>MS03FB-M2</td></tr> </table>  	Connector No.	E55	Connector Name	DAYTIME RUNNING LIGHT RELAY	Connector Type	MS03FB-M2	<table border="1"> <tr><td>Terminal No.</td><td>1</td><td>Y</td></tr> <tr><td>Color of Wire</td><td></td><td></td></tr> <tr><td>Signal Name [Specification]</td><td></td><td></td></tr> <tr><td>Terminal No.</td><td>5</td><td>Y</td></tr> <tr><td>Color of Wire</td><td></td><td></td></tr> <tr><td>Signal Name [Specification]</td><td></td><td></td></tr> </table>	Terminal No.	1	Y	Color of Wire			Signal Name [Specification]			Terminal No.	5	Y	Color of Wire			Signal Name [Specification]		
Connector No.	E55																								
Connector Name	DAYTIME RUNNING LIGHT RELAY																								
Connector Type	MS03FB-M2																								
Terminal No.	1	Y																							
Color of Wire																									
Signal Name [Specification]																									
Terminal No.	5	Y																							
Color of Wire																									
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<table border="1"> <tr><td>Connector No.</td><td>E70</td></tr> <tr><td>Connector Name</td><td>THEFT WARNING HORN RELAY</td></tr> <tr><td>Connector Type</td><td>M03FW-R-LC</td></tr> </table>  	Connector No.	E70	Connector Name	THEFT WARNING HORN RELAY	Connector Type	M03FW-R-LC	<table border="1"> <tr><td>Terminal No.</td><td>2</td><td>R</td></tr> <tr><td>Color of Wire</td><td></td><td></td></tr> <tr><td>Signal Name [Specification]</td><td></td><td></td></tr> </table>	Terminal No.	2	R	Color of Wire			Signal Name [Specification]											
Connector No.	E70																								
Connector Name	THEFT WARNING HORN RELAY																								
Connector Type	M03FW-R-LC																								
Terminal No.	2	R																							
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<table border="1"> <tr><td>Connector No.</td><td>E71</td></tr> <tr><td>Connector Name</td><td>HEADLAMP LOW LH (WITH XENON HEADLAMP)</td></tr> <tr><td>Connector Type</td><td>E02FGY-RS</td></tr> </table>  	Connector No.	E71	Connector Name	HEADLAMP LOW LH (WITH XENON HEADLAMP)	Connector Type	E02FGY-RS	<table border="1"> <tr><td>Terminal No.</td><td>1</td><td>L</td></tr> <tr><td>Color of Wire</td><td></td><td></td></tr> <tr><td>Signal Name [Specification]</td><td></td><td></td></tr> </table>	Terminal No.	1	L	Color of Wire			Signal Name [Specification]											
Connector No.	E71																								
Connector Name	HEADLAMP LOW LH (WITH XENON HEADLAMP)																								
Connector Type	E02FGY-RS																								
Terminal No.	1	L																							
Color of Wire																									
Signal Name [Specification]																									
<table border="1"> <tr><td>Connector No.</td><td>E72</td></tr> <tr><td>Connector Name</td><td>HEADLAMP HIGH LH (WITH XENON HEADLAMP)</td></tr> <tr><td>Connector Type</td><td>LU02FB</td></tr> </table>  	Connector No.	E72	Connector Name	HEADLAMP HIGH LH (WITH XENON HEADLAMP)	Connector Type	LU02FB	<table border="1"> <tr><td>Terminal No.</td><td>1</td><td>G</td></tr> <tr><td>Color of Wire</td><td></td><td></td></tr> <tr><td>Signal Name [Specification]</td><td></td><td></td></tr> </table>	Terminal No.	1	G	Color of Wire			Signal Name [Specification]											
Connector No.	E72																								
Connector Name	HEADLAMP HIGH LH (WITH XENON HEADLAMP)																								
Connector Type	LU02FB																								
Terminal No.	1	G																							
Color of Wire																									
Signal Name [Specification]																									

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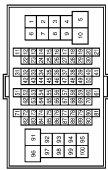

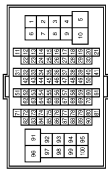








JCMWM2875G1

# POWER SUPPLY ROUTING CIRCUIT

## [POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

### BATTERY POWER SUPPLY

<table border="1"> <tr><td>Connector No.</td><td>E74</td></tr> <tr><td>Connector Name</td><td>HEADLAMP LOW RH (WITH XENON HEADLAMP)</td></tr> <tr><td>Connector Type</td><td>E02FCY-RS</td></tr> </table>   <table border="1"> <tr><td>Terminal No.</td><td>1</td><td>Color of Wire</td><td>SB</td><td>Signal Name [Specification]</td><td>-</td></tr> </table>	Connector No.	E74	Connector Name	HEADLAMP LOW RH (WITH XENON HEADLAMP)	Connector Type	E02FCY-RS	Terminal No.	1	Color of Wire	SB	Signal Name [Specification]	-	<table border="1"> <tr><td>Connector No.</td><td>E75</td></tr> <tr><td>Connector Name</td><td>HEADLAMP HIGH RH (WITH XENON HEADLAMP)</td></tr> <tr><td>Connector Type</td><td>UD2FB</td></tr> </table>   <table border="1"> <tr><td>Terminal No.</td><td>1</td><td>Color of Wire</td><td>LG</td><td>Signal Name [Specification]</td><td>-</td></tr> </table>	Connector No.	E75	Connector Name	HEADLAMP HIGH RH (WITH XENON HEADLAMP)	Connector Type	UD2FB	Terminal No.	1	Color of Wire	LG	Signal Name [Specification]	-	<table border="1"> <tr><td>Connector No.</td><td>E101</td></tr> <tr><td>Connector Name</td><td>WIRE TO WIRE</td></tr> <tr><td>Connector Type</td><td>T180FW-CS16-TM4</td></tr> </table>   <table border="1"> <tr><td>Terminal No.</td><td>5</td><td>Color of Wire</td><td>L</td><td>Signal Name [Specification]</td><td>-</td></tr> </table>	Connector No.	E101	Connector Name	WIRE TO WIRE	Connector Type	T180FW-CS16-TM4	Terminal No.	5	Color of Wire	L	Signal Name [Specification]	-	<table border="1"> <tr><td>Connector No.</td><td>E105</td></tr> <tr><td>Connector Name</td><td>WIRE TO WIRE</td></tr> <tr><td>Connector Type</td><td>T180FW-CS16-TM4</td></tr> </table>   <table border="1"> <tr><td>Terminal No.</td><td>4</td><td>Color of Wire</td><td>V</td><td>Signal Name [Specification]</td><td>-</td></tr> <tr><td>5</td><td>Y</td><td>10</td><td>L</td><td>-</td><td>-</td></tr> <tr><td>82</td><td>O</td><td>96</td><td>BR</td><td>-</td><td>-</td></tr> <tr><td>89</td><td>SB</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> </table>	Connector No.	E105	Connector Name	WIRE TO WIRE	Connector Type	T180FW-CS16-TM4	Terminal No.	4	Color of Wire	V	Signal Name [Specification]	-	5	Y	10	L	-	-	82	O	96	BR	-	-	89	SB	-	-	-	-
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82	O	96	BR	-	-																																																																
89	SB	-	-	-	-																																																																
<table border="1"> <tr><td>Connector No.</td><td>E106</td></tr> <tr><td>Connector Name</td><td>WIRE TO WIRE</td></tr> <tr><td>Connector Type</td><td>LD2FB-MC</td></tr> </table>   <table border="1"> <tr><td>Terminal No.</td><td>1</td><td>Color of Wire</td><td>L</td><td>Signal Name [Specification]</td><td>-</td></tr> <tr><td>2</td><td>R</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> </table>	Connector No.	E106	Connector Name	WIRE TO WIRE	Connector Type	LD2FB-MC	Terminal No.	1	Color of Wire	L	Signal Name [Specification]	-	2	R	-	-	-	-	<table border="1"> <tr><td>Connector No.</td><td>E115</td></tr> <tr><td>Connector Name</td><td>STOP LAMP SWITCH</td></tr> <tr><td>Connector Type</td><td>M04FW-LC</td></tr> </table>   <table border="1"> <tr><td>Terminal No.</td><td>1</td><td>Color of Wire</td><td>V</td><td>Signal Name [Specification]</td><td>-</td></tr> </table>	Connector No.	E115	Connector Name	STOP LAMP SWITCH	Connector Type	M04FW-LC	Terminal No.	1	Color of Wire	V	Signal Name [Specification]	-	<table border="1"> <tr><td>Connector No.</td><td>F2</td></tr> <tr><td>Connector Name</td><td>FUSIBLE LINK HOLDER</td></tr> <tr><td>Connector Type</td><td>-</td></tr> </table>   <table border="1"> <tr><td>Terminal No.</td><td>7</td><td>Color of Wire</td><td>B/R</td><td>Signal Name [Specification]</td><td>-</td></tr> </table>	Connector No.	F2	Connector Name	FUSIBLE LINK HOLDER	Connector Type	-	Terminal No.	7	Color of Wire	B/R	Signal Name [Specification]	-	<table border="1"> <tr><td>Connector No.</td><td>F3</td></tr> <tr><td>Connector Name</td><td>FUSIBLE LINK HOLDER</td></tr> <tr><td>Connector Type</td><td>-</td></tr> </table>   <table border="1"> <tr><td>Terminal No.</td><td>5</td><td>Color of Wire</td><td>B/R</td><td>Signal Name [Specification]</td><td>-</td></tr> </table>	Connector No.	F3	Connector Name	FUSIBLE LINK HOLDER	Connector Type	-	Terminal No.	5	Color of Wire	B/R	Signal Name [Specification]	-												
Connector No.	E106																																																																				
Connector Name	WIRE TO WIRE																																																																				
Connector Type	LD2FB-MC																																																																				
Terminal No.	1	Color of Wire	L	Signal Name [Specification]	-																																																																
2	R	-	-	-	-																																																																
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Connector Name	FUSIBLE LINK HOLDER																																																																				
Connector Type	-																																																																				
Terminal No.	5	Color of Wire	B/R	Signal Name [Specification]	-																																																																

JCMWM2876G

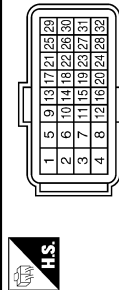
# POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

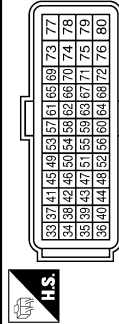
## BATTERY POWER SUPPLY

Connector No.	F7
Connector Name	ECM
Connector Type	RH4FGY-R28-R-LH



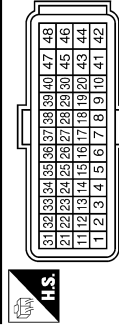
Terminal No.	Color of Wire	Signal Name [Specification]
2	P	VMOT-B1
15	V	MOTRLY-B1
24	L	SSOFF

Connector No.	F8
Connector Name	ECM
Connector Type	RH4GPER-R28-L-LH



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

Connector No.	F25
Connector Name	TCM (TRANSMISSION CONTROL MODULE)
Connector Type	RH4GFB-R28-L-RH



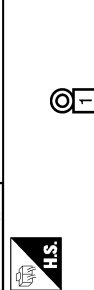
Terminal No.	Color of Wire	Signal Name [Specification]
47	O	BATT

Connector No.	F49
Connector Name	STARTER MOTOR
Connector Type	-



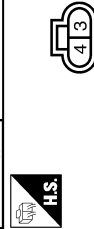
Terminal No.	Color of Wire	Signal Name [Specification]
2	B/R	-

Connector No.	F59
Connector Name	ALTERNATOR
Connector Type	-



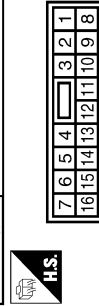
Terminal No.	Color of Wire	Signal Name [Specification]
1	B/R	-

Connector No.	F60
Connector Name	ALTERNATOR
Connector Type	X02FW



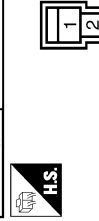
Terminal No.	Color of Wire	Signal Name [Specification]
4	P	-

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



Terminal No.	Color of Wire	Signal Name [Specification]
5	V	-
6	L	-
14	P	-

Connector No.	F122
Connector Name	WIRE TO WIRE
Connector Type	MM2FW-LC



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

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

JCMWM2877G1

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BATTERY POWER SUPPLY

Connector No. F123	WIRE TO WIRE	TK24W-1V	11 10 9 8 7 6 5 4 3 2 1 24 23 22 21 20 19 18 17 16 15 14 13 12	Terminal No. 8	O	Color of Wire P	Signal Name [Specification]	Terminal No. 10	P	Color of Wire -	Signal Name [Specification]
Connector No. M29	IGNITION SWITCH	M08FW-LC	1 5 3 6 2 4	Terminal No. 1	L	Color of Wire -	Signal Name [Specification]	Terminal No. 1	L	Color of Wire -	Signal Name [Specification]
Connector No. M1	FUSE BLOCK (J/B)	-	1	Terminal No. 1	L	Color of Wire -	Signal Name [Specification]	Terminal No. 1	L	Color of Wire -	Signal Name [Specification]
Connector No. M10	DOOR MIRROR DEFOGGER RELAY	MSD2FL-M2-LC	1 2 3 4	Terminal No. 1	P	Color of Wire -	Signal Name [Specification]	Terminal No. 1	P	Color of Wire -	Signal Name [Specification]
Connector No. M26	NATS ANTENNA AMP.	TI04FW-NH	1 2 3 4	Terminal No. 1	L	Color of Wire -	Signal Name [Specification]	Terminal No. 1	L	Color of Wire +	Signal Name [Specification]
Connector No. M34	COMBINATION METER	SAB40FW	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40	Terminal No. 1	LG	Color of Wire -	Signal Name [Specification]	Terminal No. 1	LG	Color of Wire -	Signal Name [Specification]
Connector No. M38	EPS CONTROL UNIT	ANA02FB	1 2	Terminal No. 1	R	Color of Wire -	Signal Name [Specification]	Terminal No. 1	R	Color of Wire -	Signal Name [Specification]
Connector No. M29	IGNITION SWITCH	M08FW-LC	1 5 3 6 2 4	Terminal No. 1	L	Color of Wire -	Signal Name [Specification]	Terminal No. 1	L	Color of Wire -	Signal Name [Specification]
Connector No. M34	COMBINATION METER	SAB40FW	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40	Terminal No. 1	LG	Color of Wire -	Signal Name [Specification]	Terminal No. 1	LG	Color of Wire -	Signal Name [Specification]
Connector No. M38	EPS CONTROL UNIT	ANA02FB	1 2	Terminal No. 1	R	Color of Wire -	Signal Name [Specification]	Terminal No. 1	R	Color of Wire -	Signal Name [Specification]
Connector No. M10	DOOR MIRROR DEFOGGER RELAY	MSD2FL-M2-LC	1 2 3 4	Terminal No. 1	P	Color of Wire -	Signal Name [Specification]	Terminal No. 1	P	Color of Wire -	Signal Name [Specification]
Connector No. M26	NATS ANTENNA AMP.	TI04FW-NH	1 2 3 4	Terminal No. 1	L	Color of Wire -	Signal Name [Specification]	Terminal No. 1	L	Color of Wire +	Signal Name [Specification]
Connector No. M58	HEATED SEAT RELAY	MSD2FL-M2-LC	3 5 2 X 1	Terminal No. 5	BR	Color of Wire -	Signal Name [Specification]	Terminal No. 5	BR	Color of Wire -	Signal Name [Specification]

JCMWM2878G



# POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

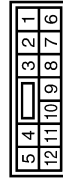
## BATTERY POWER SUPPLY

Connector No.	M67
Connector Name	BCM BODY CONTROL MODULE
Connector Type	FEA3FB-FHA6-SA



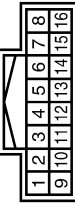
Terminal No.	Color of Wire	Signal Name [Specification]
57	G	BAT FUSE
70	Y	BAT FL

Connector No.	M79
Connector Name	WIRE TO WIRE
Connector Type	NS12FW-CS



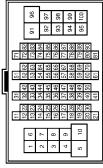
Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
6	SB	-

Connector No.	M69
Connector Name	AWD CONTROL UNIT
Connector Type	TH1EFV-NH



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

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



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

Connector No.	M78
Connector Name	WIRE TO WIRE
Connector Type	LO2MB-MC



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

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

PG

# POWER SUPPLY ROUTING CIRCUIT

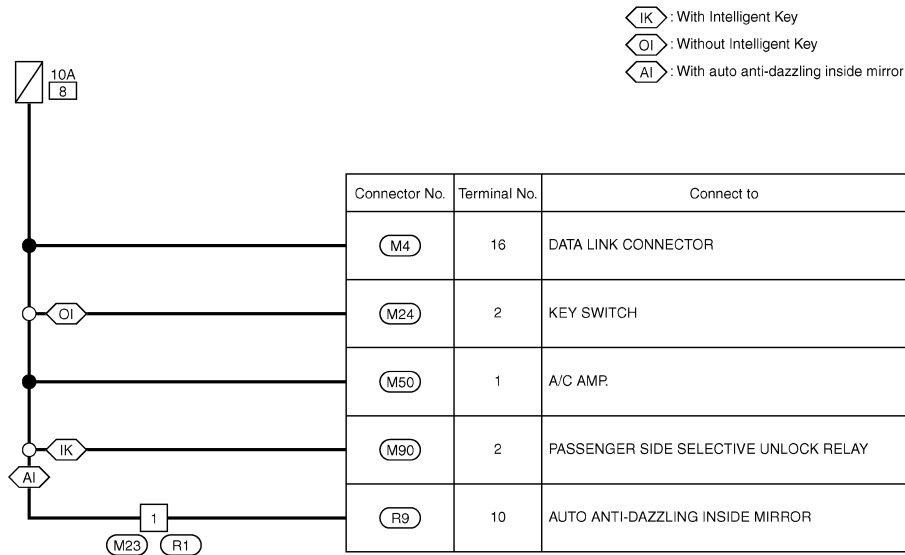
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[POWER SUPPLY & GROUND CIRCUIT]

## Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 8 -

INFOID:000000005253977

### BATTERY POWER SUPPLY FUSE No. 8



2008/07/15

JCMWM2880G

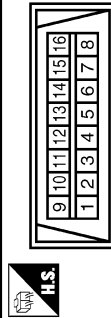
# POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

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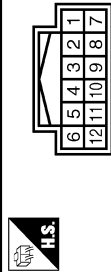
## BATTERY POWER SUPPLY FUSE No. 8

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



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

Connector No.	M23
Connector Name	WIRE TO WIRE
Connector Type	TH12FW-NH



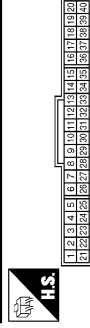
Terminal No.	1	LG	—	—	Signal Name [Specification]
Color of Wire	—	—	—	—	—

Connector No.	M24
Connector Name	KEY SWITCH
Connector Type	TK2MBR-P



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

Connector No.	M60
Connector Name	A/C AMP.
Connector Type	SAB6FW



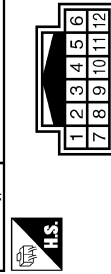
Terminal No.	1	LG	—	—	Signal Name [Specification]
Color of Wire	—	—	—	—	BAT

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



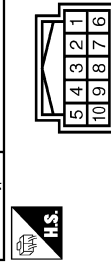
Terminal No.	2	LG	—	—	Signal Name [Specification]
Color of Wire	—	—	—	—	—

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



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

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



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

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

PG

# POWER SUPPLY ROUTING CIRCUIT

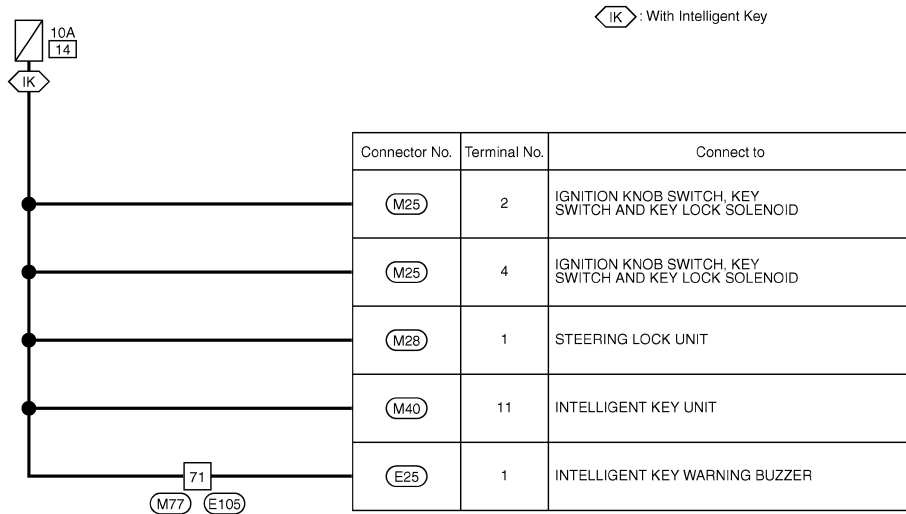
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 14 -

INFOID:000000005253978

### BATTERY POWER SUPPLY FUSE No. 14



2008/07/15

JCMWM2882G

# POWER SUPPLY ROUTING CIRCUIT

## [POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

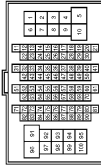
### BATTERY POWER SUPPLY FUSE No. 14

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



Terminal No.	1	Color of Wire	O	Signal Name [Specification]	-
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Connector No.	E105
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4



Terminal No.	71	Color of Wire	O	Signal Name [Specification]	-
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Connector No.	M25
Connector Name	IGNITION KNOB SWITCH, KEY SWITCH AND KEY LOCK SOLENOID
Connector Type	TK08MGY



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

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



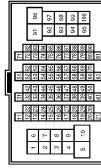
Terminal No.	1	Color of Wire	R	Signal Name [Specification]	-
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Connector No.	M40
Connector Name	INTELLIGENT KEY UNIT
Connector Type	TH40FW-NH



Terminal No.	11	Color of Wire	R	Signal Name [Specification]	BATT+
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Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4



Terminal No.	71	Color of Wire	P	Signal Name [Specification]	-
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A  
B  
C  
D  
E  
F  
G  
H  
I  
J  
K  
L  
PG  
N  
O  
P

# POWER SUPPLY ROUTING CIRCUIT

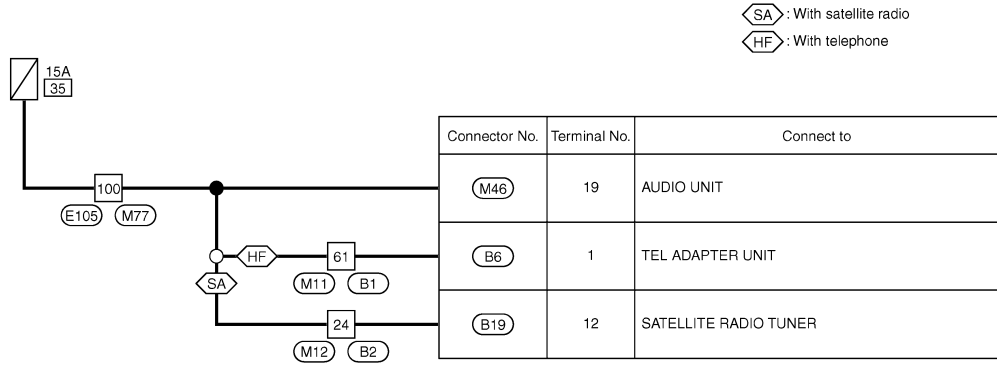
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[POWER SUPPLY & GROUND CIRCUIT]

## Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 35 -

INFOID:000000005253979

### BATTERY POWER SUPPLY FUSE No. 35



2008/07/15




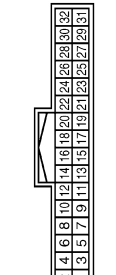
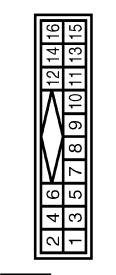
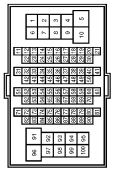
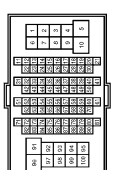
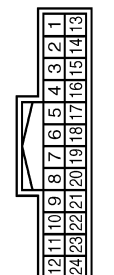
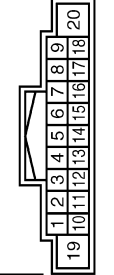
JCMWM2884G

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BATTERY POWER SUPPLY FUSE No. 35

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

JCMWM2885G1

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

PG

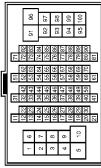
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BATTERY POWER SUPPLY FUSE No. 35

Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	THB0M7-CSI(F-TM)



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

JCMWM2886G



# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

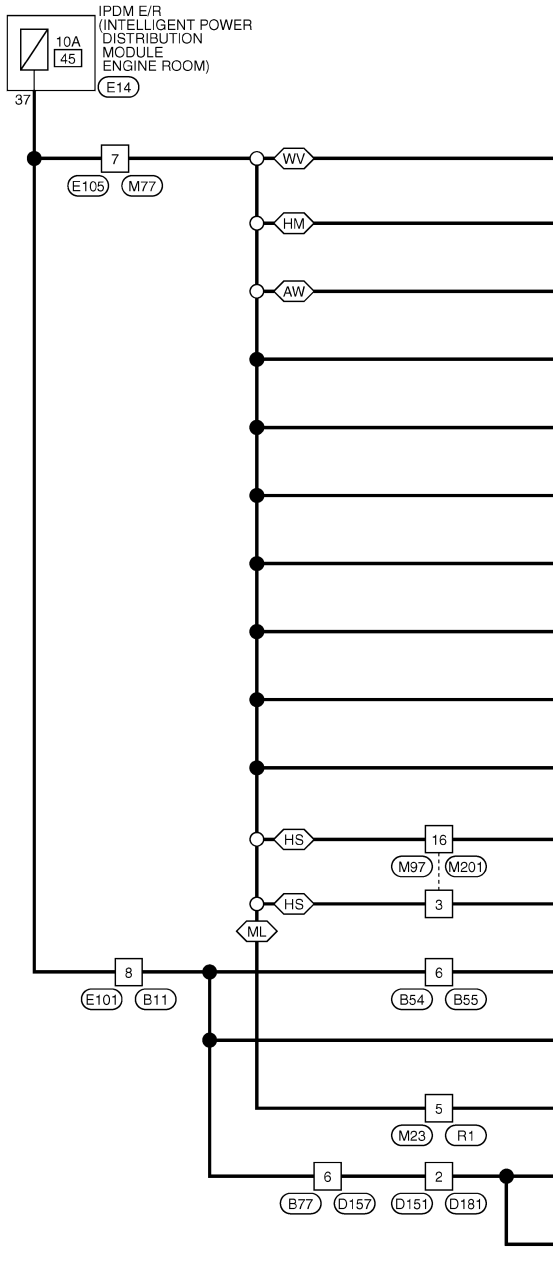
[POWER SUPPLY & GROUND CIRCUIT]

## Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 45 -

INFOID:000000005253980

### BATTERY POWER SUPPLY FUSE No. 45

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



Connector No.	Terminal No.	Connect to
(M5)	3	VDC OFF SWITCH
(M6)	3	HEADLAMP AIMING SWITCH
(M8)	4	AWD LOCK SWITCH
(M16)	1	GLOVE BOX LAMP
(M33)	33	COMBINATION SWITCH (SPIRAL CABLE)
(M45)	3	HAZARD SWITCH
(M46)	9	AUDIO UNIT
(M50)	23	A/C AMP.
(M52)	2	NOT USED
(M57)	5	CVT SHIFT SELECTOR
(M202)	5	HEATED SEAT SWITCH LH
(M203)	5	HEATED SEAT SWITCH RH
(B59)	1	REAR COMBINATION LAMP RH
(B80)	1	REAR COMBINATION LAMP LH
(R4)	6	MAP LAMP
(D195)	1	LICENSE PLATE LAMP LH
(D196)	1	LICENSE PLATE LAMP RH

2009/07/10

JCMWA4817GE

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# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BATTERY POWER SUPPLY FUSE No. 45

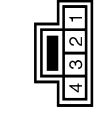
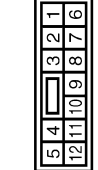
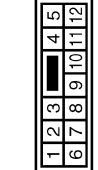
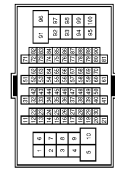
Connector No.	B71	Connector No.	B54	Connector No.	B55	Connector No.	B59
Connector Name	WIRE TO WIRE	Connector Name	WIRE TO WIRE	Connector Name	WIRE TO WIRE	Connector Name	REAR COMBINATION LAMP RH
Connector Type	TH80MW-CS1(F-TM4)	Connector Type	NS17MH-CS	Connector Type	NS12PW-CS	Connector Type	NS30MM-CS

Terminal No.	8	Terminal No.	6	Terminal No.	6	Terminal No.	1
Color of Wire	R	Color of Wire	R	Color of Wire	R	Color of Wire	R
Signal Name [Specification]	-	Signal Name [Specification]	-	Signal Name [Specification]	-	Signal Name [Specification]	-

Terminal No.	1	Terminal No.	2	Terminal No.	6
Color of Wire	R	Color of Wire	R	Color of Wire	R
Signal Name [Specification]	-	Signal Name [Specification]	-	Signal Name [Specification]	-



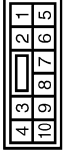
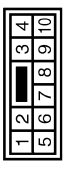
Connector No.	B77	Connector No.	B60	Connector No.	D151	Connector No.	D157
Connector Name	WIRE TO WIRE	Connector Name	REAR COMBINATION LAMP LH	Connector Name	WIRE TO WIRE	Connector Name	WIRE TO WIRE
Connector Type	NS10MW-CS	Connector Type	NS30MM-CS	Connector Type	NS08FBF-CS	Connector Type	NS10FW-CS

Terminal No.	6	Terminal No.	1	Terminal No.	2	Terminal No.	6
Color of Wire	R	Color of Wire	R	Color of Wire	R	Color of Wire	R
Signal Name [Specification]	-	Signal Name [Specification]	-	Signal Name [Specification]	-	Signal Name [Specification]	-

Terminal No.	6	Terminal No.	1	Terminal No.	2	Terminal No.	6
Color of Wire	R	Color of Wire	R	Color of Wire	R	Color of Wire	R
Signal Name [Specification]	-	Signal Name [Specification]	-	Signal Name [Specification]	-	Signal Name [Specification]	-



JCMWM2888G

# POWER SUPPLY ROUTING CIRCUIT

## [POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

### BATTERY POWER SUPPLY FUSE No. 45

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

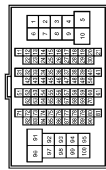
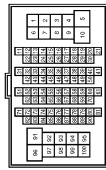
Terminal No.	2	Terminal No.	1	Terminal No.	3	Terminal No.	37
Color of Wire	R	Color of Wire	R	Color of Wire	R	Color of Wire	R
Signal Name [Specification]		Signal Name [Specification]		Signal Name [Specification]		Signal Name [Specification]	



Connector No.	E101	Connector No.	E105
Connector Name	WIRE TO WIRE	Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4	Connector Type	TH80FW-CS16-TM4

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



Connector No.	M6	Connector No.	M5
Connector Name	HEADLAMP AIMING SWITCH	Connector Name	VDC OFF SWITCH
Connector Type	A04FW	Connector Type	TK08FGY

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



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# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

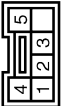
[POWER SUPPLY & GROUND CIRCUIT]

## BATTERY POWER SUPPLY FUSE No. 45

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

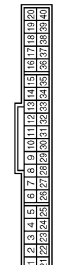
Terminal No.	4	Terminal No.	1	Terminal No.	5	Terminal No.	33
Color of Wire	R	Color of Wire	R	Color of Wire	R	Color of Wire	R
Signal Name [Specification]		Signal Name [Specification]		Signal Name [Specification]		Signal Name [Specification]	



Connector No.	M45	Connector No.	M46	Connector No.	M50	Connector No.	M52
Connector Name	HAZARD SWITCH	Connector Name	AUDIO UNIT	Connector Name	A/C AMP.	Connector Name	NOT USED
Connector Type	TK04FW	Connector Type	TH18FW-CSZ	Connector Type	SA640FW	Connector Type	A02FW

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



JCMWA4818GE

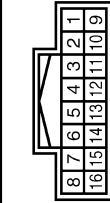
# POWER SUPPLY ROUTING CIRCUIT

## [POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

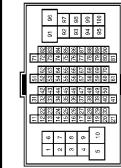
### BATTERY POWER SUPPLY FUSE No. 45

Connector No.	M57
Connector Name	CVT SHIFT SELECTOR
Connector Type	TH18FW-NH



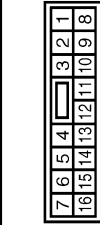
Terminal No.	5	R
Color of Wire	R	
Signal Name [Specification]	-	

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



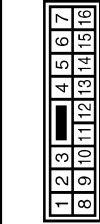
Terminal No.	7	R
Color of Wire	R	
Signal Name [Specification]	-	

Connector No.	M97
Connector Name	WIRE TO WIRE
Connector Type	NS18FW-CS



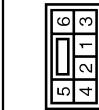
Terminal No.	3	V
Color of Wire	V	
Signal Name [Specification]	-	
Terminal No.	16	R
Color of Wire	R	
Signal Name [Specification]	-	

Connector No.	M201
Connector Name	WIRE TO WIRE
Connector Type	NS18MP-CS



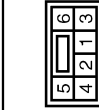
Terminal No.	3	R
Color of Wire	R	
Signal Name [Specification]	-	
Terminal No.	16	R
Color of Wire	R	
Signal Name [Specification]	-	

Connector No.	M202
Connector Name	HEATED SEAT SWITCH LH
Connector Type	NS08FW-CS



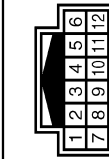
Terminal No.	5	R
Color of Wire	R	
Signal Name [Specification]	-	

Connector No.	M203
Connector Name	HEATED SEAT SWITCH RH
Connector Type	NS08FBR-CS



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

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



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

Connector No.	R4
Connector Name	MAP LAMP
Connector Type	TK08FGY



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

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# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

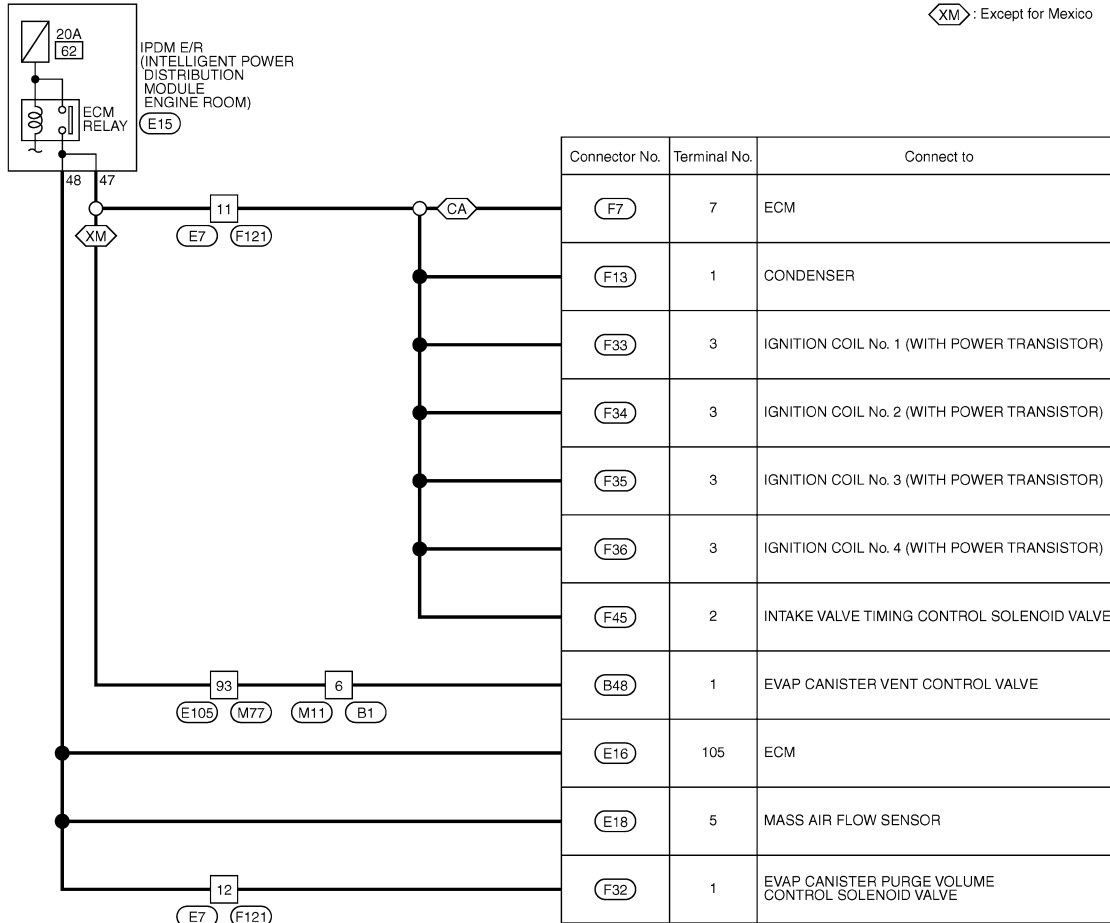
[POWER SUPPLY & GROUND CIRCUIT]

## Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 62 -

INFOID:000000005253981

### BATTERY POWER SUPPLY FUSE No. 62

CA : For California  
 XM : Except for Mexico



2008/07/15

JCMWM2892G

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BATTERY POWER SUPPLY FUSE No. 62

Connector No.	B1
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS1F-TM4



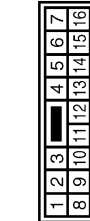
Terminal No.	6	Color of Wire	BR	Signal Name [Specification]	
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Connector No.	B48
Connector Name	EVAP CANISTER VENT CONTROL VALVE
Connector Type	E02FB-RS



Terminal No.	1	Color of Wire	BR	Signal Name [Specification]	
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Connector No.	E7
Connector Name	WIRE TO WIRE
Connector Type	NS18MW-CS



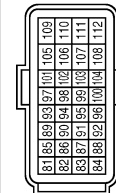
Terminal No.	11	Color of Wire	BR	Signal Name [Specification]	
	12	Color of Wire	R	Signal Name [Specification]	

Connector No.	E15
Connector Name	IPDM E/R INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	NS18FW-CS



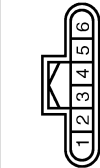
Terminal No.	47	Color of Wire	BR	Signal Name [Specification]	
	48	Color of Wire	R	Signal Name [Specification]	

Connector No.	E16
Connector Name	ECM
Connector Type	RH24FB-RZ8-L-LH



Terminal No.	105	Color of Wire	R	Signal Name [Specification]	VBR
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Connector No.	E18
Connector Name	MASS AIR FLOW SENSOR
Connector Type	RH06FB



Terminal No.	5	Color of Wire	G	Signal Name [Specification]	
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Connector No.	E105
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4



Terminal No.	93	Color of Wire	BR	Signal Name [Specification]	
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Connector No.	F7
Connector Name	ECM
Connector Type	RH24FGY-RZ8-RF-LH



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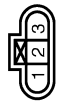










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# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BATTERY POWER SUPPLY FUSE No. 62

Connector No. F13 CONDENSER MO2FW-LC	Connector No. F32 EVAP CANISTER PURGE VOLUME CONTROL SOLENOID VALVE ED2EL-RS-LGY	Connector No. F33 IGNITION COIL No. 1 (WITH POWER TRANSISTOR) E03FGY-RS	Connector No. F34 IGNITION COIL No. 2 (WITH POWER TRANSISTOR) E03FGY-RS
 	 	 	 
Terminal No. 1 Color of Wire BR Signal Name [Specification]	Terminal No. 1 Color of Wire R Signal Name [Specification]	Terminal No. 3 Color of Wire BR Signal Name [Specification]	Terminal No. 3 Color of Wire BR Signal Name [Specification]
Connector No. F35 IGNITION COIL No. 3 (WITH POWER TRANSISTOR) E03FGY-RS	Connector No. F36 IGNITION COIL No. 4 (WITH POWER TRANSISTOR) E03FGY-RS	Connector No. F45 INTAKE VALVE TIMING CONTROL SOLENOID VALVE ED2FG-RS-LGY	Connector No. F121 WIRE TO WIRE NS16FW-CS
 	 	 	 
Terminal No. 3 Color of Wire BR Signal Name [Specification]	Terminal No. 3 Color of Wire BR Signal Name [Specification]	Terminal No. 2 Color of Wire BR Signal Name [Specification]	Terminal No. 11 Color of Wire BR Signal Name [Specification]

JCMWM2894G



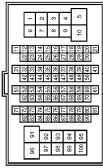
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

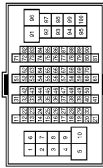
## BATTERY POWER SUPPLY FUSE No. 62

Connector No.	M11
Connector Name	WIRE TO WIRE
Connector Type	TH80PW-CS16-TM4



Terminal No.	6	Color of Wire	P	Signal Name [Specification]	-
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Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	TH80MP-CS16-TM4



Terminal No.	93	Color of Wire	P	Signal Name [Specification]	-
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# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

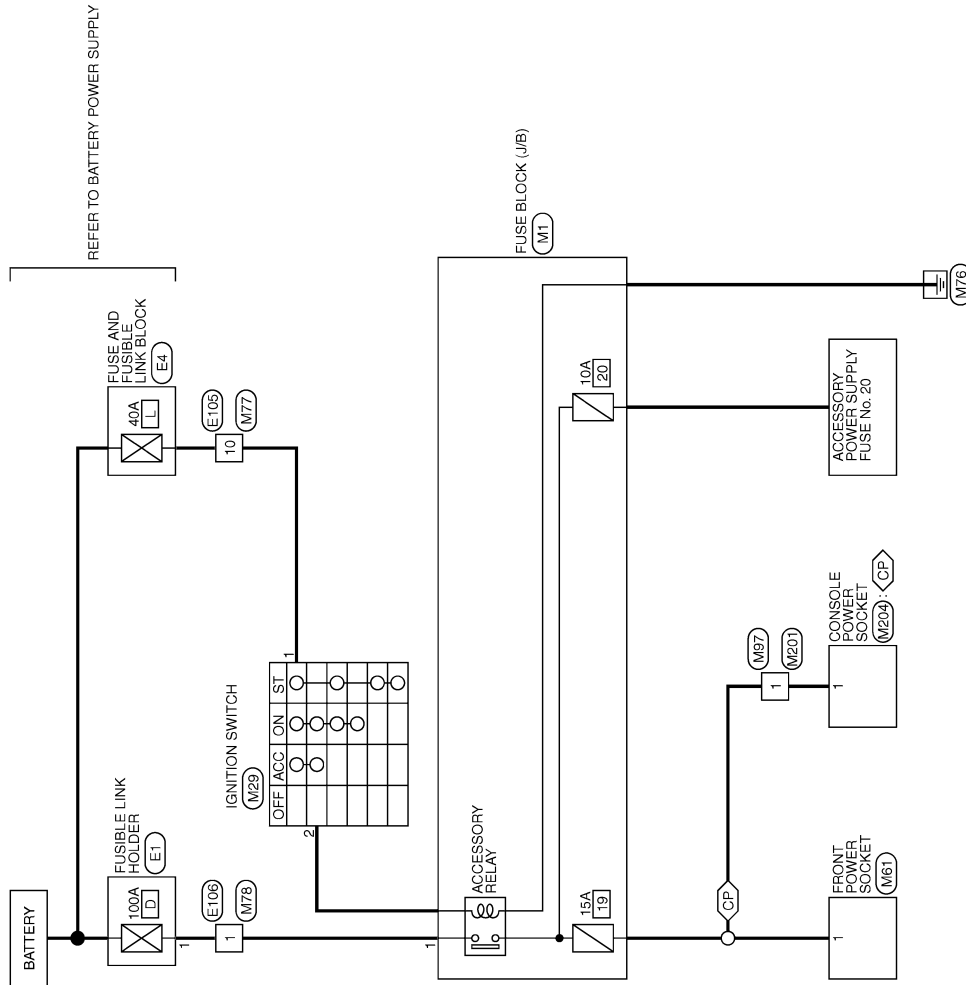
## Wiring Diagram - ACCESSORY POWER SUPPLY -

INFOID:000000005253982

Up to October 2009 production

CP: With console power socket

### ACCESSORY POWER SUPPLY



2008/07/15

JCMWM2896G

# POWER SUPPLY ROUTING CIRCUIT

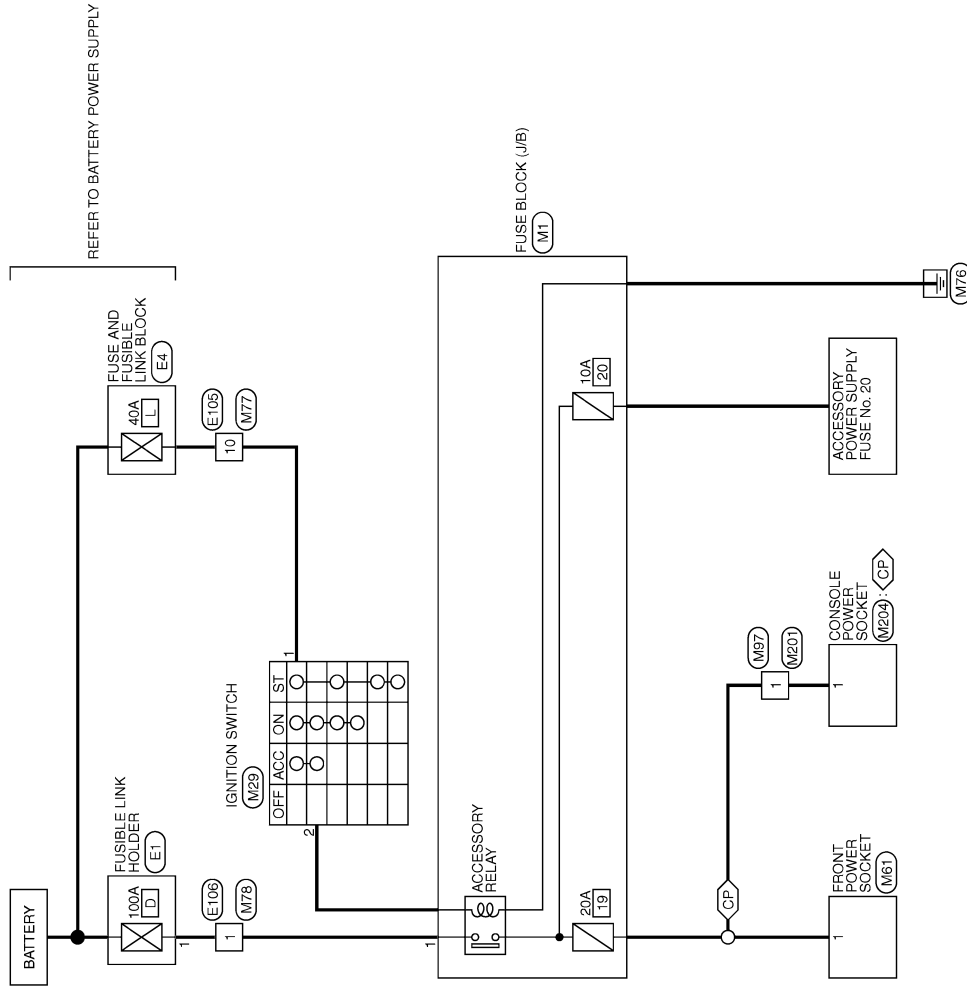
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

From October 2009 production

## ACCESSORY POWER SUPPLY

CP: With console power socket



2009/10/02

JCMWA5135Gf




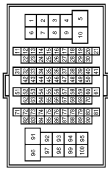









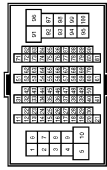


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# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## ACCESSORY POWER SUPPLY

Connector No. E1	Connector Name FUSIBLE LINK HOLDER	Connector Type L02FGY-MC	 	Terminal No. 1	Color of Wire L	Signal Name [Specification]	Terminal No. 1	Color of Wire L	Signal Name [Specification]
Connector No. E105	Connector Name WIRE TO WIRE	Connector Type TH80FW-CS16-TM4	 	Terminal No. 10	Color of Wire L	Signal Name [Specification]	Terminal No. 10	Color of Wire L	Signal Name [Specification]
Connector No. E106	Connector Name WIRE TO WIRE	Connector Type L02FB-MC	 	Terminal No. 1	Color of Wire L	Signal Name [Specification]	Terminal No. 1	Color of Wire L	Signal Name [Specification]
Connector No. M1	Connector Name FUSE BLOCK (J/B)	Connector Type -	 	Terminal No. 1	Color of Wire L	Signal Name [Specification]	Terminal No. 1	Color of Wire L	Signal Name [Specification]
Connector No. M29	Connector Name IGNITION SWITCH	Connector Type M08FW-LC	 	Terminal No. 2	Color of Wire BR	Signal Name [Specification]	Terminal No. 2	Color of Wire BR	Signal Name [Specification]
Connector No. M61	Connector Name FRONT POWER SOCKET	Connector Type P02FB-Z	 	Terminal No. 1	Color of Wire O	Signal Name [Specification]	Terminal No. 1	Color of Wire O	Signal Name [Specification]
Connector No. M77	Connector Name WIRE TO WIRE	Connector Type TH80MW-CS16-TM4	 	Terminal No. 10	Color of Wire L	Signal Name [Specification]	Terminal No. 10	Color of Wire L	Signal Name [Specification]
Connector No. M78	Connector Name WIRE TO WIRE	Connector Type L02MB-MC	 	Terminal No. 1	Color of Wire L	Signal Name [Specification]	Terminal No. 1	Color of Wire L	Signal Name [Specification]

JCMWM2897G

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## ACCESSORY POWER SUPPLY

Connector No.	M97
Connector Name	WIRE TO WIRE
Connector Type	NSI6FW-CS



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

Connector No.	M201
Connector Name	WIRE TO WIRE
Connector Type	NSI6MP-CS



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

Connector No.	M204
Connector Name	CONSOLE POWER SOCKET
Connector Type	P02PB-Z



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

< DTC/CIRCUIT DIAGNOSIS >

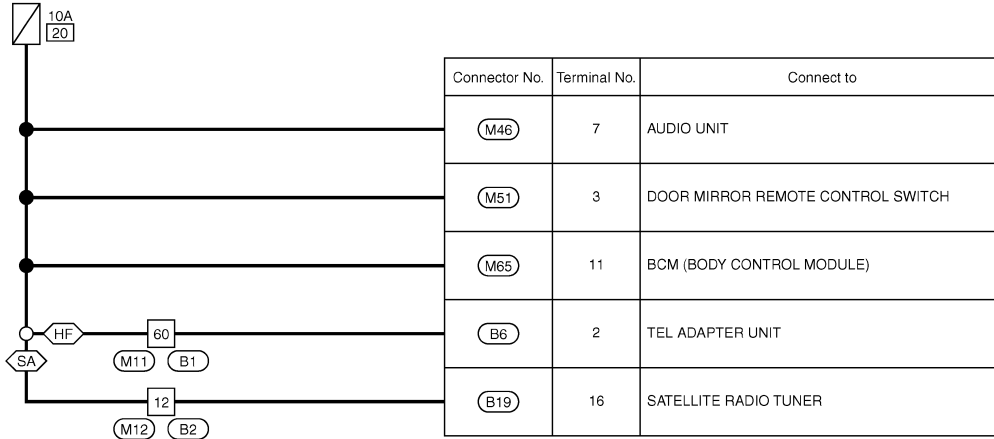
[POWER SUPPLY & GROUND CIRCUIT]

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

INFOID:000000005253983

### ACCESSORY POWER SUPPLY FUSE No. 20

SA : With satellite radio  
 HF : With telephone



2008/07/15

JCMWM2899G

# POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

## ACCESSORY POWER SUPPLY FUSE No. 20

Connector No.	B1	Connector No.	B2	Connector No.	B19
Connector Name	WIRE TO WIRE	Connector Name	WIRE TO WIRE	Connector Name	SATELLITE RADIO TUNER
Connector Type	TH80FW-CS16-TM4	Connector Type	TH24FW-NH	Connector Type	A18FW

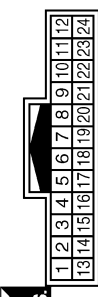
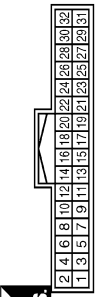
Terminal No.	60	Terminal No.	12	Terminal No.	16
Color of Wire	SB	Color of Wire	SB	Color of Wire	SB
Signal Name [Specification]	-	Signal Name [Specification]	-	Signal Name [Specification]	ACC

Connector No.	M1	Connector No.	M46	Connector No.	M51
Connector Name	WIRE TO WIRE	Connector Name	AUDIO UNIT	Connector Name	DOOR MIRROR REMOTE CONTROL SWITCH
Connector Type	TH80FW-CS16-TM4	Connector Type	TH18FW-CS2	Connector Type	NS10FW-CS

Terminal No.	60	Terminal No.	7	Terminal No.	3
Color of Wire	SB	Color of Wire	SB	Color of Wire	SB
Signal Name [Specification]	-	Signal Name [Specification]	ACC	Signal Name [Specification]	-



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JCMWM2900G1

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## ACCESSORY POWER SUPPLY FUSE No. 20

Connector No.	M65
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FV-NH



Terminal No.	11	Color of Wire	SB	Signal Name [Specification]	ACC
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JCMWM2901G



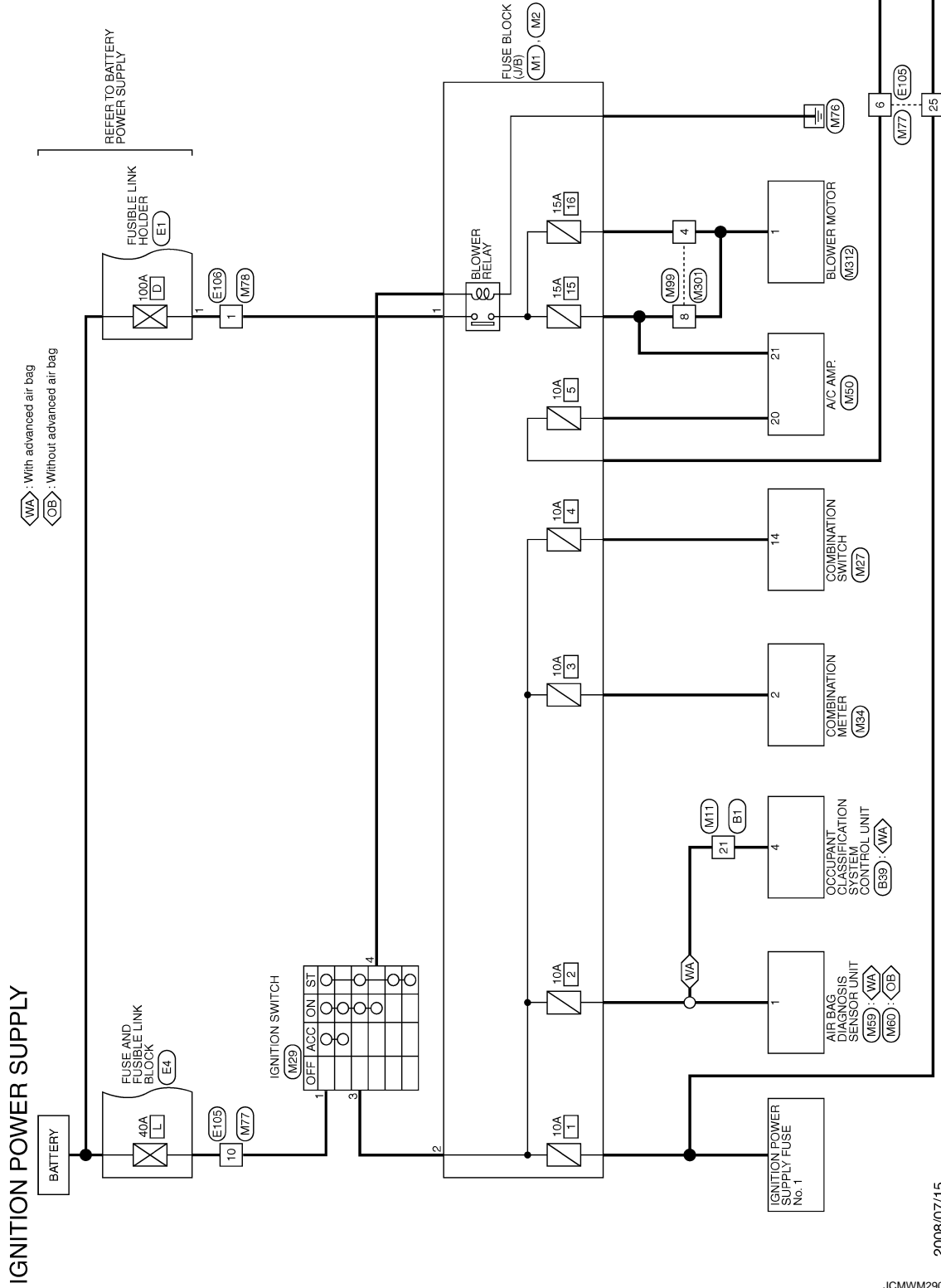
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Wiring Diagram - IGNITION POWER SUPPLY -

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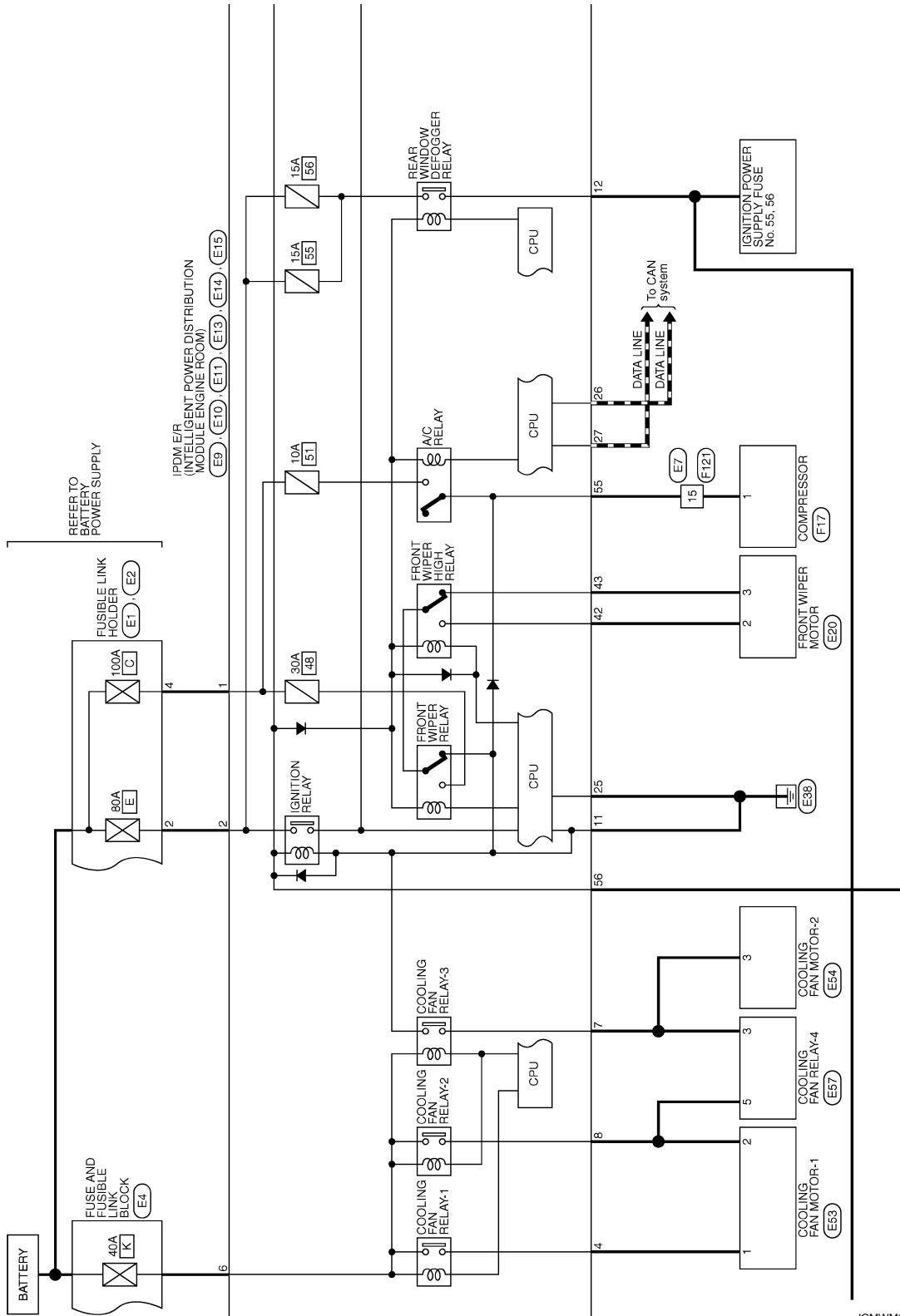
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# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

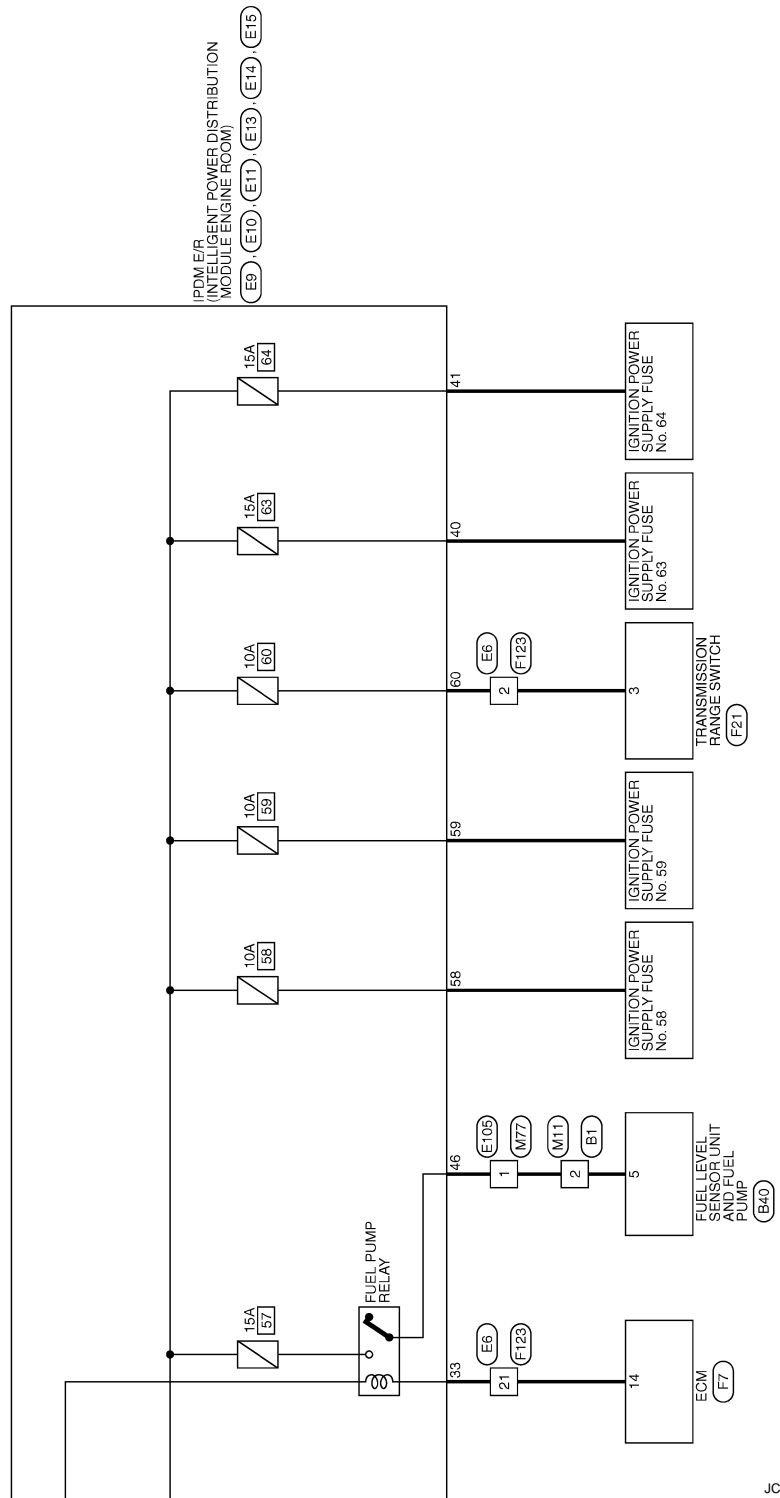


JCMWM2903G

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]



JCMWM2904G1

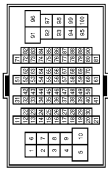


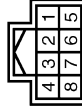

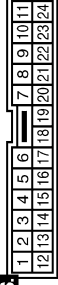
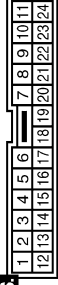



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# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## IGNITION POWER SUPPLY

Connector No. B1	WIRE TO WIRE	TH80MW-CS1(F-TM4)		Terminal No. 2 21	Color of Wire BR R	Signal Name [Specification] - -
Connector No. E1	FUSIBLE LINK HOLDER	LD2FGY-MC		Terminal No. 1 2	Color of Wire L G	Signal Name [Specification] - -
Connector No. E2	FUSIBLE LINK HOLDER	LD2FBR-MC-B		Terminal No. 4	Color of Wire R	Signal Name [Specification] -
Connector No. E3	OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT	TR40FW-NH		Terminal No. 4	Color of Wire R	Signal Name [Specification] IGN
Connector No. E4	FUEL LEVEL SENSOR UNIT AND FUEL PUMP	E30FGY-RS		Terminal No. 5	Color of Wire BR	Signal Name [Specification] -
Connector No. E5	WIRE TO WIRE	TR24MW-TV		Terminal No. 2 21	Color of Wire SB GR	Signal Name [Specification] - -
Connector No. E6	WIRE TO WIRE	TK24MW-TV		Terminal No. 2	Color of Wire SB	Signal Name [Specification] -
Connector No. E7	WIRE TO WIRE	NS1(BMW-CS		Terminal No. 15	Color of Wire O	Signal Name [Specification] -
Connector No. E8	FUSIBLE LINK HOLDER	LD2FBR-MC		Terminal No. 1 2	Color of Wire R G	Signal Name [Specification] - -
Connector No. E9	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)	LD2FBR-MC		Terminal No. 1 2	Color of Wire R G	Signal Name [Specification] - -

JCMWM2905G

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## IGNITION POWER SUPPLY

Connector No.	Terminal No.	Color of Wire	Signal Name [Specification]
E10 IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) MOBFW-LC	5	W	-
	4	BR	-
	7	P	-
	8	G	-
E11 IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) MOBFB-LC	11	B	-
	12	O	-
	11	B	-
	12	O	-
E13 IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) TH1ZFW-NH	25	B	-
	26	P	-
	27	L	-
	33	GR	-
E14 IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) NS1ZFBR-CS	39	BR	-
	40	BR	-
	41	O	-
	42	L	-
E15 IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) NS1BFW-CS	53	O	-
	54	SB	-
	58	LG	-
	59	BR	-
E20 FRONT WIPER MOTOR RS0BFGY-PR	3	L	-
	2	G	-
	3	G	-
	2	G	-
E53 COOLING FAN MOTOR-1 RS0MFGY-PR	1	W	-
	2	G	-
	1	W	-
	2	G	-
E54 COOLING FAN MOTOR-2 RS0MFGY-PR	3	P	-
	3	P	-
	3	P	-
	3	P	-

JCMWM2906G1

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# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## IGNITION POWER SUPPLY

Connector No. E57	Connector Name COOLING FAN RELAY-4	Connector Type MS2FL-M2		Terminal No. 3	Color of Wire P	Signal Name [Specification]	Terminal No. 5	Color of Wire G	Signal Name [Specification]
Connector No. E105	Connector Name WIRE TO WIRE	Connector Type T186FW-CS16-TM4		Terminal No. 1	Color of Wire W	Signal Name [Specification]	Terminal No. 6	Color of Wire G	Signal Name [Specification]
Connector No. E106	Connector Name WIRE TO WIRE	Connector Type L02FB-MC		Terminal No. 1	Color of Wire L	Signal Name [Specification]	Terminal No. 10	Color of Wire L	Signal Name [Specification]
Connector No. F7	Connector Name ECM	Connector Type RH24FGY-R2P-F-LH		Terminal No. 14	Color of Wire GR	Signal Name [Specification]	Terminal No. 25	Color of Wire SB	Signal Name [Specification]
Connector No. F17	Connector Name COMPRESSOR	Connector Type RH02FB		Terminal No. 1	Color of Wire Y	Signal Name [Specification]	Terminal No. 3	Color of Wire SB	Signal Name [Specification]
Connector No. F21	Connector Name TRANSMISSION RANGE SWITCH	Connector Type RK08FG		Terminal No. 1	Color of Wire L	Signal Name [Specification]	Terminal No. 10	Color of Wire L	Signal Name [Specification]
Connector No. F121	Connector Name WIRE TO WIRE	Connector Type NS18FW-CS		Terminal No. 15	Color of Wire Y	Signal Name [Specification]	Terminal No. 25	Color of Wire SB	Signal Name [Specification]
Connector No. F123	Connector Name WIRE TO WIRE	Connector Type TK24FW-IV		Terminal No. 21	Color of Wire GR	Signal Name [Specification]	Terminal No. 25	Color of Wire SB	Signal Name [Specification]






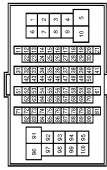

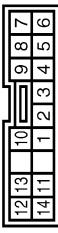








JCMWM2907G

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## IGNITION POWER SUPPLY

Connector No. M1	Connector Name FUSE BLOCK (J/B)	Connector Type -			Terminal No. 1	Color of Wire L	Signal Name [Specification] -
Connector No. M2	Connector Name FUSE BLOCK (J/B)	Connector Type -			Terminal No. 2	Color of Wire P	Signal Name [Specification] -
Connector No. M11	Connector Name WIRE TO WIRE	Connector Type TRHBFW-CS16-TM4			Terminal No. 2	Color of Wire BR	Signal Name [Specification] -
Connector No. M12	Connector Name FUSE BLOCK (J/B)	Connector Type -			Terminal No. 14	Color of Wire BR	Signal Name [Specification] IGN
Connector No. M29	Connector Name IGNITION SWITCH	Connector Type M08FW-LC			Terminal No. 1	Color of Wire L	Signal Name [Specification] -
Connector No. M30	Connector Name COMBINATION METER	Connector Type SAB40FW			Terminal No. 2	Color of Wire O	Signal Name [Specification] IGN
Connector No. M50	Connector Name A/C AMP.	Connector Type SAB40FW			Terminal No. 20	Color of Wire GR	Signal Name [Specification] RR DEF F/S
Connector No. M59	Connector Name AIR BAG DIAGNOSIS SENSOR UNIT (WITH ADVANCED AIR BAG)	Connector Type TK28FY-EX-SC			Terminal No. 1	Color of Wire R	Signal Name [Specification] IGN

JCMWM2908GI

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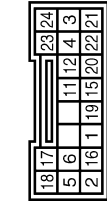
# POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

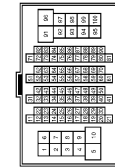
## IGNITION POWER SUPPLY

Connector No.	M60
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT (WITHOUT ADVANCED AIR BAG)
Connector Type	TK20Y-EK-SC



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

Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	T180MW-CS (6-TM4)



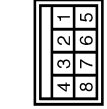
Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	
6	G	
10	L	
25	W	

Connector No.	M78
Connector Name	WIRE TO WIRE
Connector Type	L02ME-MC



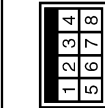
Terminal No.	Color of Wire	Signal Name [Specification]
1	L	

Connector No.	M89
Connector Name	WIRE TO WIRE
Connector Type	MB8FW-GY-LC



Terminal No.	Color of Wire	Signal Name [Specification]
4	GR	
8	Y	

Connector No.	M301
Connector Name	WIRE TO WIRE
Connector Type	M03MW-GY-LC



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

Connector No.	M812
Connector Name	BLOWER MOTOR
Connector Type	M02FW-LC



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

JCMWM2909G



# POWER SUPPLY ROUTING CIRCUIT

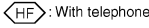
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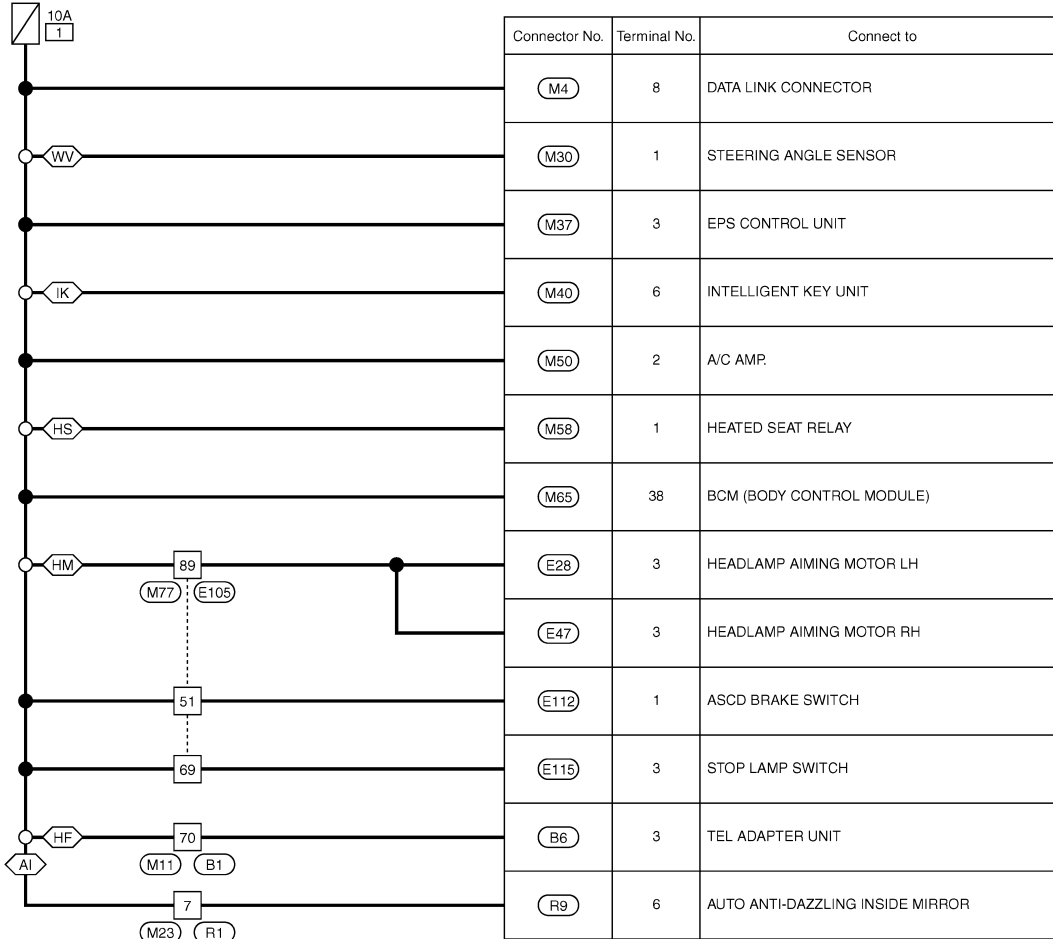
[POWER SUPPLY & GROUND CIRCUIT]

## Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 1 -

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### IGNITION POWER SUPPLY FUSE No. 1

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



2008/07/15

JCMWM2910GI

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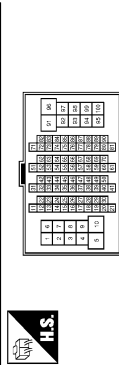
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

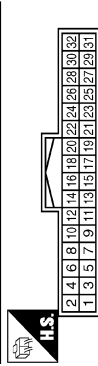
## IGNITION POWER SUPPLY FUSE No. 1

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



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

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



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

Connector No.	E28
Connector Name	HEADLAMP AIMING MOTOR LH
Connector Type	RH43FB



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

Connector No.	E47
Connector Name	HEADLAMP AIMING MOTOR RH
Connector Type	RH43FB



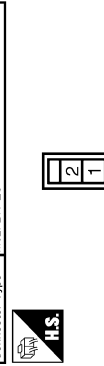
Terminal No.	3	R	—
Color of Wire	R	—	—
Signal Name [Specification]	—		

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



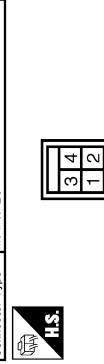
Terminal No.	51	L	—	—	—
Color of Wire	L	—	—	—	—
Signal Name [Specification]	—				
Terminal No.	69	G	—	—	—
Color of Wire	G	—	—	—	—
Signal Name [Specification]	—				
Terminal No.	89	R	—	—	—
Color of Wire	R	—	—	—	—
Signal Name [Specification]	—				

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



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

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



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

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



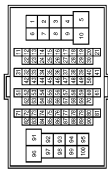
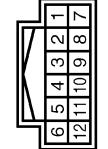
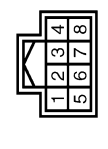
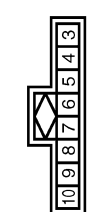

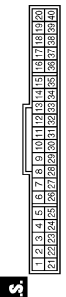


Terminal No.	8	W	—	—	—
Color of Wire	W	—	—	—	—
Signal Name [Specification]	—				

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## IGNITION POWER SUPPLY FUSE No. 1

Connector No. M11	WIRE TO WIRE	THB0FW-CS16-TM4		Terminal No. 70	Color of Wire LG	Signal Name [Specification]	-
Connector No. M23	WIRE TO WIRE	TH12FW-NH		Terminal No. 7	Color of Wire P	Signal Name [Specification]	-
Connector No. M30	STEERING ANGLE SENSOR	THB0FW-NH		Terminal No. 1	Color of Wire W	Signal Name [Specification]	IGN
Connector No. M37	EPS CONTROL UNIT	MAA08FB		Terminal No. 3	Color of Wire W	Signal Name [Specification]	-
Connector No. M40	INTELLIGENT KEY UNIT	TH40FW-NH		Terminal No. 6	Color of Wire W	Signal Name [Specification]	IGN SW
Connector No. M50	A/C AMP.	SAB40FW		Terminal No. 2	Color of Wire W	Signal Name [Specification]	IGN
Connector No. M58	HEATED SEAT RELAY	MS02FL-M2-LC		Terminal No. 1	Color of Wire W	Signal Name [Specification]	-
Connector No. M65	ECM (BODY CONTROL MODULE)	TH40FW-NH		Terminal No. 38	Color of Wire G	Signal Name [Specification]	IGN

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# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## IGNITION POWER SUPPLY FUSE No. 1

Connector No.	W77
Connector Name	WIRE TO WIRE
Connector Type	TH80WV-CS1F-TM4



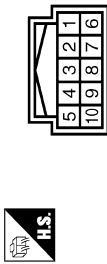
Terminal No.	Color of Wire	Signal Name [Specification]
51	W	
69	W	
89	G	

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



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

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



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

JCMWM2913G

# POWER SUPPLY ROUTING CIRCUIT

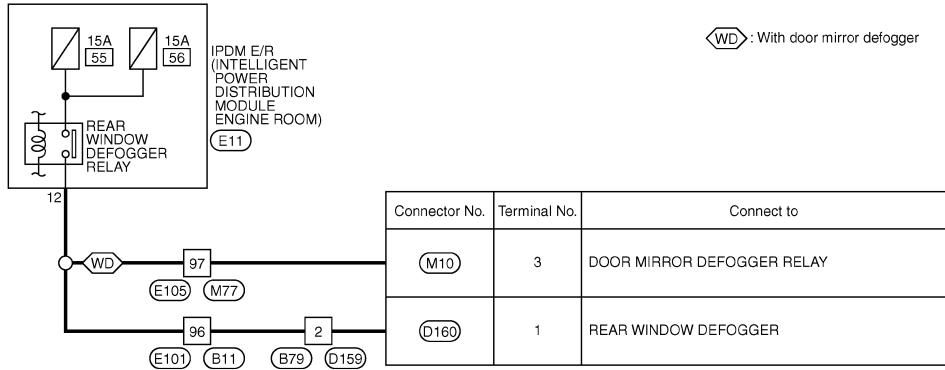
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[POWER SUPPLY & GROUND CIRCUIT]

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

INFOID:000000005253986

### IGNITION POWER SUPPLY FUSE No. 55, 56



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JCMWM2914GI

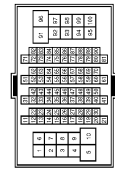
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

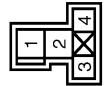
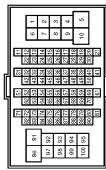
[POWER SUPPLY & GROUND CIRCUIT]

## IGNITION POWER SUPPLY FUSE No. 55, 56

Connector No.	B11	Connector No.	B79	Connector No.	D159	Connector No.	D160
Connector Name	WIRE TO WIRE	Connector Name	WIRE TO WIRE	Connector Name	WIRE TO WIRE	Connector Name	REAR WINDOW DEFOGGER
Connector Type	TH80FW-CS16-TM4	Connector Type	M04MW-LC	Connector Type	M04FW-LC	Connector Type	F01FB-A
Terminal No.	96	Terminal No.	2	Terminal No.	2	Terminal No.	1
Color of Wire	G	Color of Wire	G	Color of Wire	G	Color of Wire	G
Signal Name [Specification]		Signal Name [Specification]		Signal Name [Specification]		Signal Name [Specification]	



Connector No.	E11	Connector No.	E101	Connector No.	E105	Connector No.	M10
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)	Connector Name	WIRE TO WIRE	Connector Name	WIRE TO WIRE	Connector Name	DOOR MIRROR DEFOGGER RELAY
Connector Type	M08FB-LC	Connector Type	TH80FW-CS16-TM4	Connector Type	TH80FW-CS16-TM4	Connector Type	M50ZFL-M2-LC
Terminal No.	12	Terminal No.	96	Terminal No.	97	Terminal No.	3
Color of Wire	O	Color of Wire	O	Color of Wire	G	Color of Wire	G
Signal Name [Specification]		Signal Name [Specification]		Signal Name [Specification]		Signal Name [Specification]	



JCMW2915G

# POWER SUPPLY ROUTING CIRCUIT

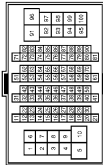
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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**IGNITION POWER SUPPLY FUSE No. 55, 56**

Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	THEB0W-C3 (F-TM4)



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

JCMWM2916GI

# POWER SUPPLY ROUTING CIRCUIT

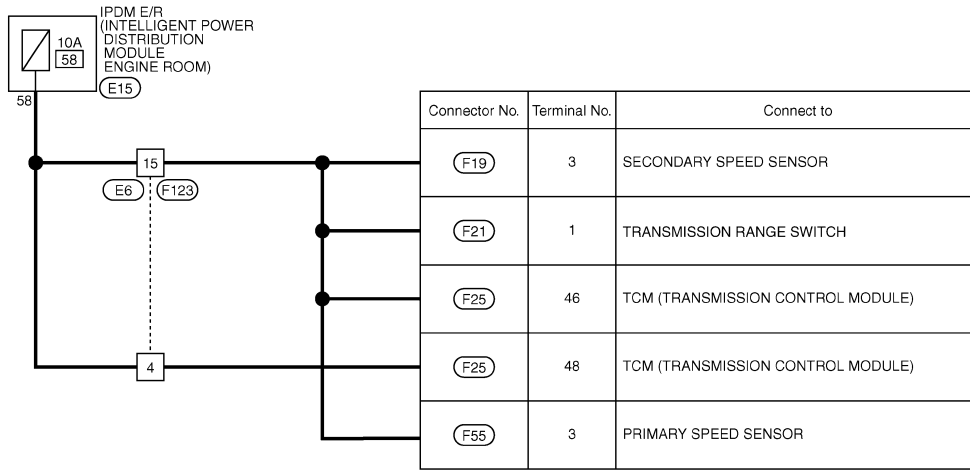
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 58 -

INFOID:000000005253987

### IGNITION POWER SUPPLY FUSE No. 58



2008/07/15

JCMWM2917G



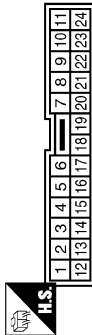
# POWER SUPPLY ROUTING CIRCUIT

## [POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

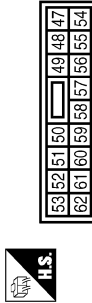
### IGNITION POWER SUPPLY FUSE No. 58

Connector No.	E6
Connector Name	WIRE TO WIRE
Connector Type	TK24MW-1V



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

Connector No.	E15
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	NS15F1V-CS



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

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



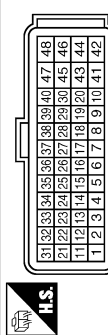
Terminal No.	3
Color of Wire	LG
Signal Name [Specification]	

Connector No.	F21
Connector Name	TRANSMISSION RANGE SWITCH
Connector Type	RK03FG



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

Connector No.	F25
Connector Name	TOM (TRANSMISSION CONTROL MODULE)
Connector Type	RH40FB-RZ8-L-RH



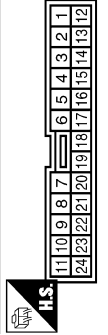
Terminal No.	46	48
Color of Wire	LG	Y
Signal Name [Specification]	VIGN	VIGN

Connector No.	F35
Connector Name	PRIMARY SPEED SENSOR
Connector Type	RK03FB



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

Connector No.	F123
Connector Name	WIRE TO WIRE
Connector Type	TK24FW-1V



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

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# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

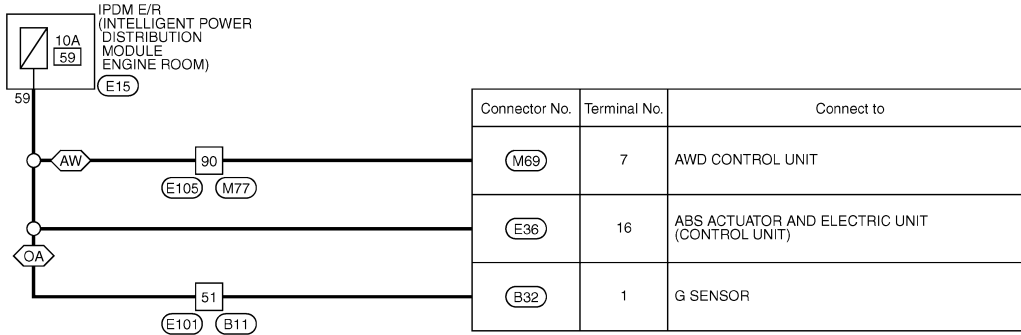
[POWER SUPPLY & GROUND CIRCUIT]

## Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 59 -

INFOID:000000005253988

### IGNITION POWER SUPPLY FUSE No. 59

AW: AWD models  
 OA: AWD models without VDC



2008/07/15

JCMWM2919G

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

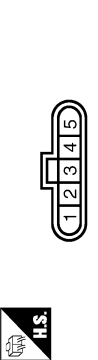
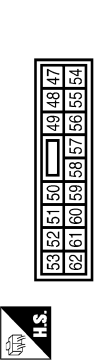
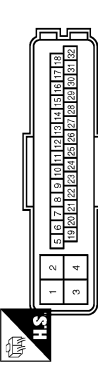
[POWER SUPPLY & GROUND CIRCUIT]

## IGNITION POWER SUPPLY FUSE No. 59

Connector No.	B01	Connector No.	E15	Connector No.	B32	Connector No.	E05	Connector No.	E101
Connector Name	WIRE TO WIRE	EPDM E/P (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)	G SENSOR	WIRE TO WIRE	WIRE TO WIRE	WIRE TO WIRE	WIRE TO WIRE	WIRE TO WIRE	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4	RS18FW-CS	YDZ8FW	TH80FW-CS16-TM4	TH80FW-CS16-TM4	TH80FW-CS16-TM4	TH80FW-CS16-TM4	TH80FW-CS16-TM4	TH80FW-CS16-TM4

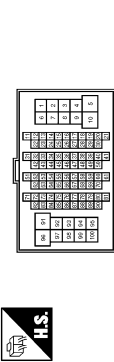
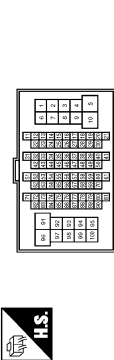
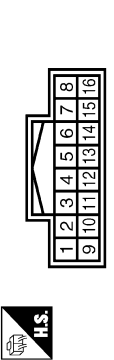
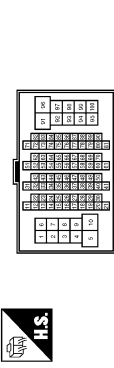
Terminal No.	51	Terminal No.	59	Terminal No.	1	Terminal No.	90	Terminal No.	51
Color of Wire	GR	Color of Wire	BR	Color of Wire	GR	Color of Wire	GR	Color of Wire	GR
Signal Name [Specification]	-	Signal Name [Specification]	-	Signal Name [Specification]	IGN	Signal Name [Specification]	-	Signal Name [Specification]	-



Connector No.	M77	Connector No.	M69	Connector No.	M77	Connector No.	M77
Connector Name	WIRE TO WIRE	AND CONTROL UNIT	WIRE TO WIRE	WIRE TO WIRE	WIRE TO WIRE	WIRE TO WIRE	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4	TH18FW-NH	TH80FW-CS16-TM4	TH80FW-CS16-TM4	TH80FW-CS16-TM4	TH80FW-CS16-TM4	TH80FW-CS16-TM4

Terminal No.	16	Terminal No.	7	Terminal No.	90	Terminal No.	90
Color of Wire	BR	Color of Wire	GR	Color of Wire	GR	Color of Wire	GR
Signal Name [Specification]	IGN	Signal Name [Specification]	IGN	Signal Name [Specification]	-	Signal Name [Specification]	-



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JCMWM2920G1

# POWER SUPPLY ROUTING CIRCUIT

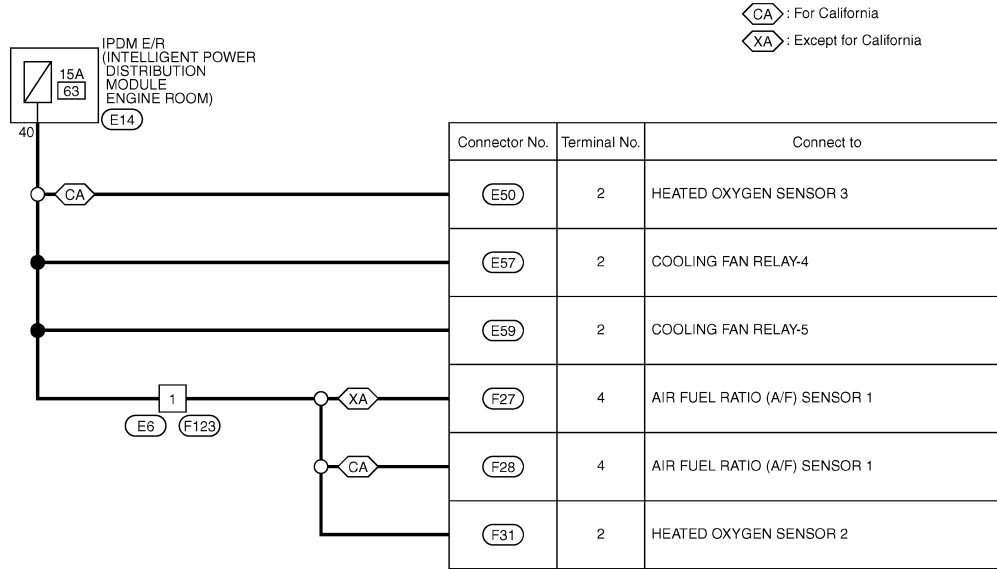
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 63 -

INFOID:000000005253989

### IGNITION POWER SUPPLY FUSE No. 63



2008/07/15

JCMWM2921G

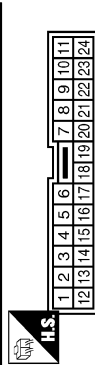
# POWER SUPPLY ROUTING CIRCUIT

## [POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

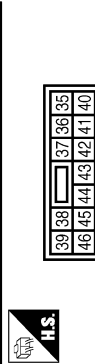
### IGNITION POWER SUPPLY FUSE No. 63

Connector No.	E6
Connector Name	WIRE TO WIRE
Connector Type	TK2AWV-1V



Terminal No.	1	Color of Wire	BR	Signal Name [Specification]	
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Connector No.	E14
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	NS12FER-CS



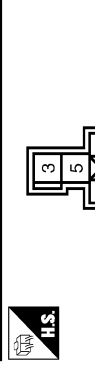
Terminal No.	40	Color of Wire	BR	Signal Name [Specification]	
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Connector No.	E50
Connector Name	HEATED OXYGEN SENSOR 3
Connector Type	AFZ04FGY



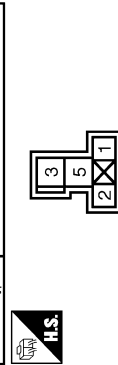
Terminal No.	2	Color of Wire	BR	Signal Name [Specification]	
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Connector No.	E67
Connector Name	COOLING FAN RELAY-4
Connector Type	MS02FL-M2



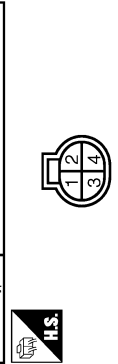
Terminal No.	2	Color of Wire	O	Signal Name [Specification]	
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Connector No.	E59
Connector Name	COOLING FAN RELAY-5
Connector Type	MS02FL-M2



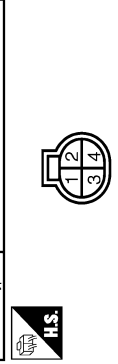
Terminal No.	2	Color of Wire	V	Signal Name [Specification]	
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Connector No.	E27
Connector Name	AIR FUEL RATIO (A/F) SENSOR 1 (EXCEPT FOR CALIFORNIA)
Connector Type	AFZ04FGY



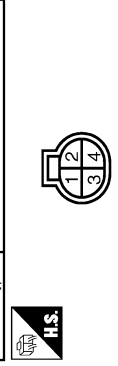
Terminal No.	4	Color of Wire	BR	Signal Name [Specification]	
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Connector No.	F28
Connector Name	AIR FUEL RATIO (A/F) SENSOR 1 (FOR CALIFORNIA)
Connector Type	AFZ04FDGY



Terminal No.	4	Color of Wire	BR	Signal Name [Specification]	
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Connector No.	F31
Connector Name	HEATED OXYGEN SENSOR 2
Connector Type	AFZ04FB



Terminal No.	2	Color of Wire	BR	Signal Name [Specification]	
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JCMWM2922GI

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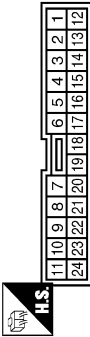
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## IGNITION POWER SUPPLY FUSE No. 63

Connector No.	F123
Connector Name	WIRE TO WIRE
Connector Type	TK24F-1V



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

JCMWM2923G

# POWER SUPPLY ROUTING CIRCUIT

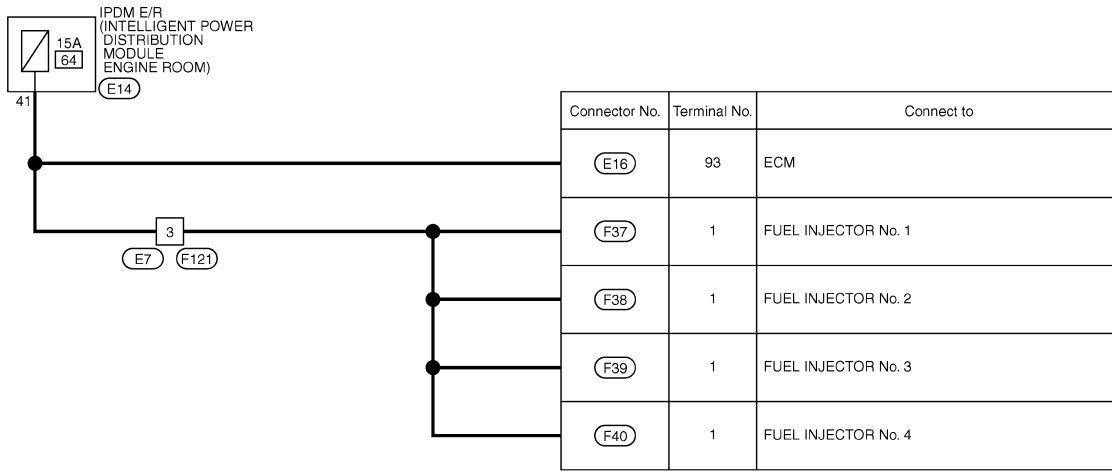
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 64 -

INFOID:000000005253990

### IGNITION POWER SUPPLY FUSE No. 64



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2008/07/15

JCMWM2924GI

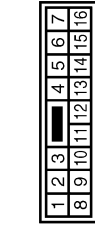
# POWER SUPPLY ROUTING CIRCUIT

## [POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

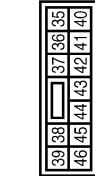
### IGNITION POWER SUPPLY FUSE No. 64

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



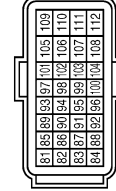
Terminal No.	3	Color of Wire	O	Signal Name [Specification]	
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Connector No.	E14
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	NS17FER-CS



Terminal No.	41	Color of Wire	O	Signal Name [Specification]	
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Connector No.	E16
Connector Name	ECM
Connector Type	RH24FB-R2B-L-LH



Terminal No.	93	Color of Wire	O	Signal Name [Specification]	IGNSW
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Connector No.	F27
Connector Name	FUEL INJECTOR No. 1
Connector Type	HS02FGY



Terminal No.	1	Color of Wire	O	Signal Name [Specification]	
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Connector No.	F38
Connector Name	FUEL INJECTOR No. 2
Connector Type	HS02FGY



Terminal No.	1	Color of Wire	O	Signal Name [Specification]	
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Connector No.	F39
Connector Name	FUEL INJECTOR No. 3
Connector Type	HS02FGY



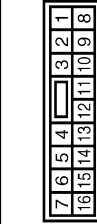
Terminal No.	1	Color of Wire	O	Signal Name [Specification]	
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Connector No.	F40
Connector Name	FUEL INJECTOR No. 4
Connector Type	HS02FGY



Terminal No.	1	Color of Wire	O	Signal Name [Specification]	
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Connector No.	F121
Connector Name	WIRE TO WIRE
Connector Type	NS16FW-CS



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

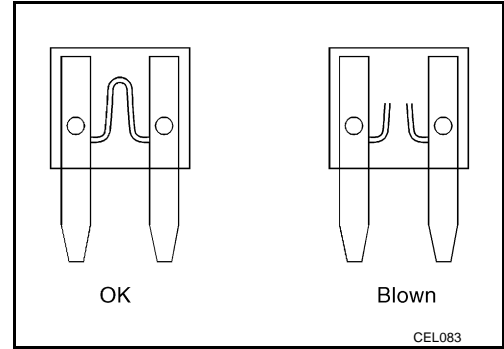
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Fuse

INFOID:000000005253991

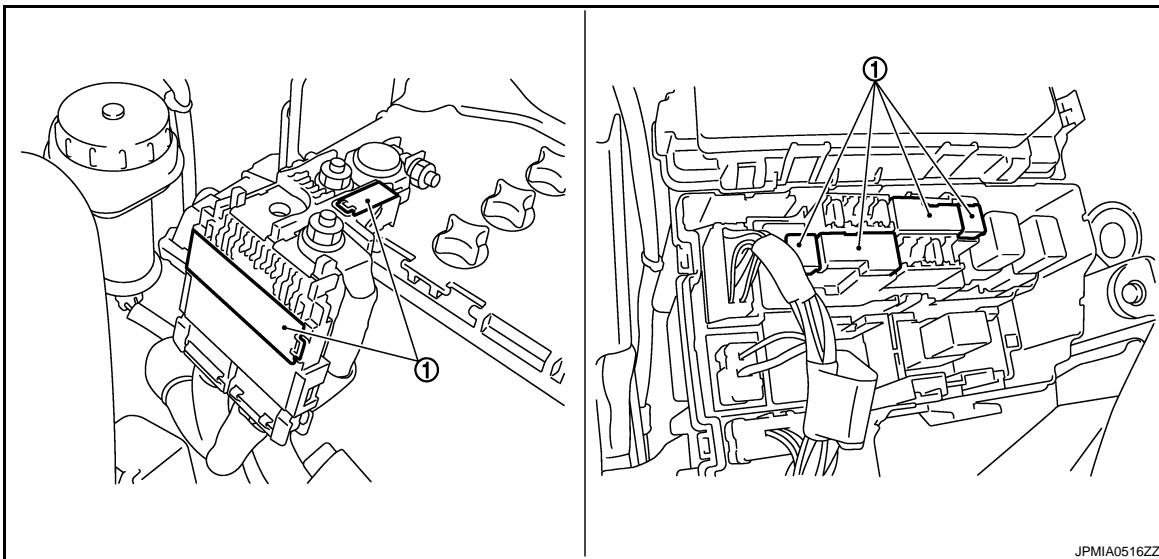
- If fuse is blown, be sure to eliminate cause of malfunction before installing new fuse.
- Use fuse of specified rating. Never use fuse of more than specified rating.
- Do not partially install fuse; always insert it into fuse holder properly.
- Remove fuse for "ELECTRICAL PARTS (BAT)" if vehicle is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



## Fusible Link

INFOID:000000005253992

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



1. Fusible link

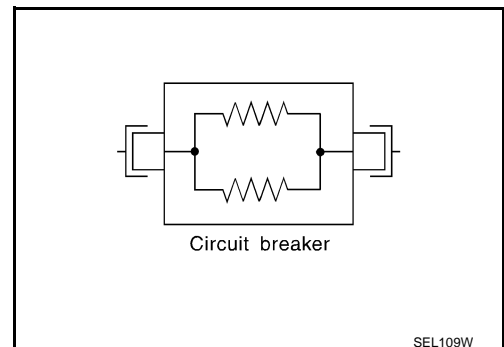
### CAUTION:

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

## Circuit Breaker

INFOID:000000005253993

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.



# OPTION HARNESS

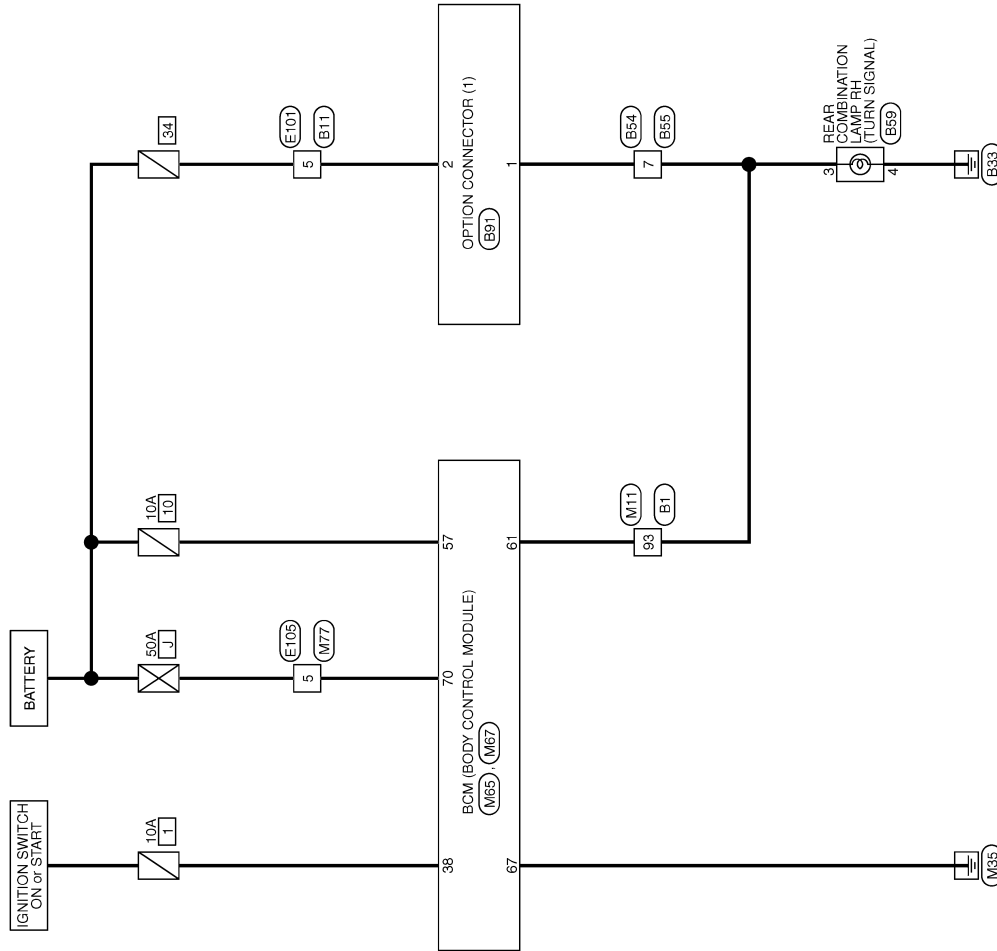
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## OPTION HARNESS

Wiring Diagram - OPTION HARNESS -

INFOID:000000005589861



OPTION HARNESS

2008/07/15

JCMWM2865G

# OPTION HARNESS

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## OPTION HARNESS

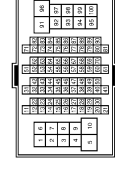
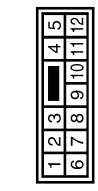
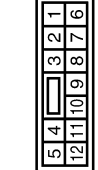
Connector No.	B1	Connector No.	B54	Connector No.	B11	Connector No.	B55
Connector Name	WIRE TO WIRE	Connector Name	WIRE TO WIRE	Connector Name	WIRE TO WIRE	Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4	Connector Type	NS12MW-CS	Connector Type	TH80MW-CS16-TM4	Connector Type	NS12FW-CS

Terminal No.	93	Terminal No.	7	Terminal No.	5	Terminal No.	7
Color of Wire	W	Color of Wire	GR	Color of Wire	L	Color of Wire	W
Signal Name [Specification]	-	Signal Name [Specification]	-	Signal Name [Specification]	-	Signal Name [Specification]	-

Terminal No.	4	Terminal No.	5	Terminal No.	5	Terminal No.	5
Color of Wire	B	Color of Wire	GR	Color of Wire	L	Color of Wire	Y
Signal Name [Specification]	-	Signal Name [Specification]	-	Signal Name [Specification]	-	Signal Name [Specification]	-



JCMWM2866G1

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# OPTION HARNESS

## [POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >



### OPTION HARNESS

Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	TH80MM-CS16-TM4



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

Connector No.	M67
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	FE209FB-FHA6-SA


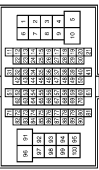
Terminal No.	57	Color of Wire	G	Signal Name [Specification]	BAT FUSE
61	GR	B	FLASHER OUT PUT (RIGHT)		
67	B	GND			
70	Y	BAT FL			

Connector No.	M65
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FW-NH

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

Connector No.	M11
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4

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

JCMWM2867G

# HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

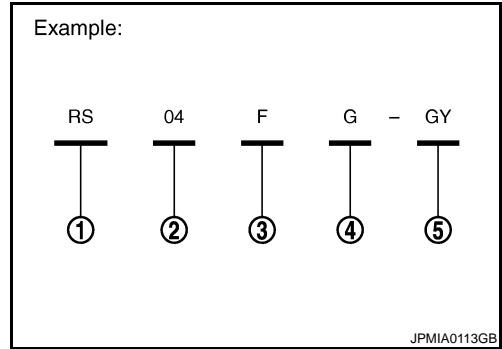
[POWER SUPPLY & GROUND CIRCUIT]

## HARNES LAYOUT

### How To Read Harness Layout

INFOID:000000005253995

- 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

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

PG

# HARNESSES LAYOUT

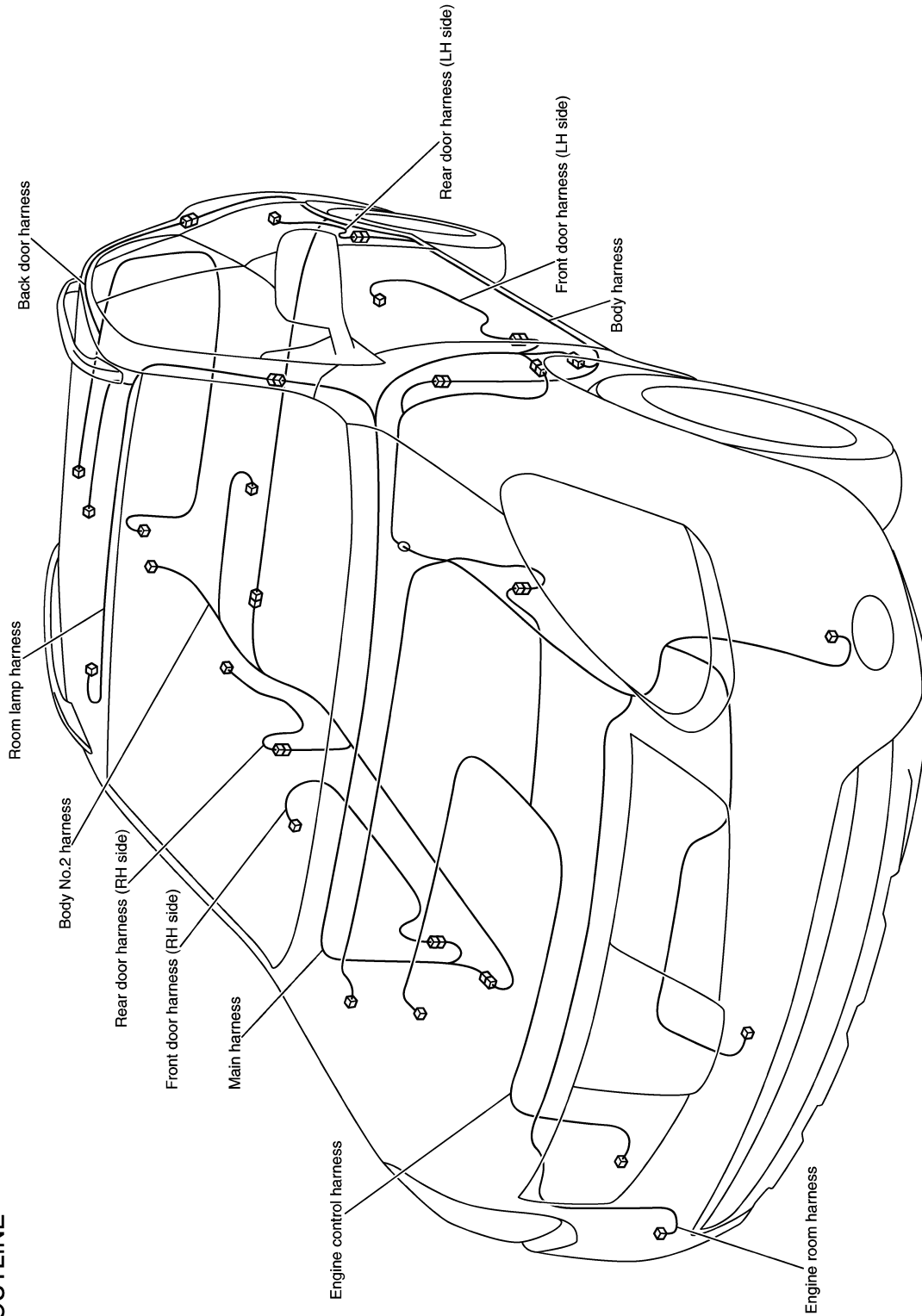
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[POWER SUPPLY & GROUND CIRCUIT]

## Outline

INFOID:000000005253996

OUTLINE



2008/07/15

JCMIM0521GB

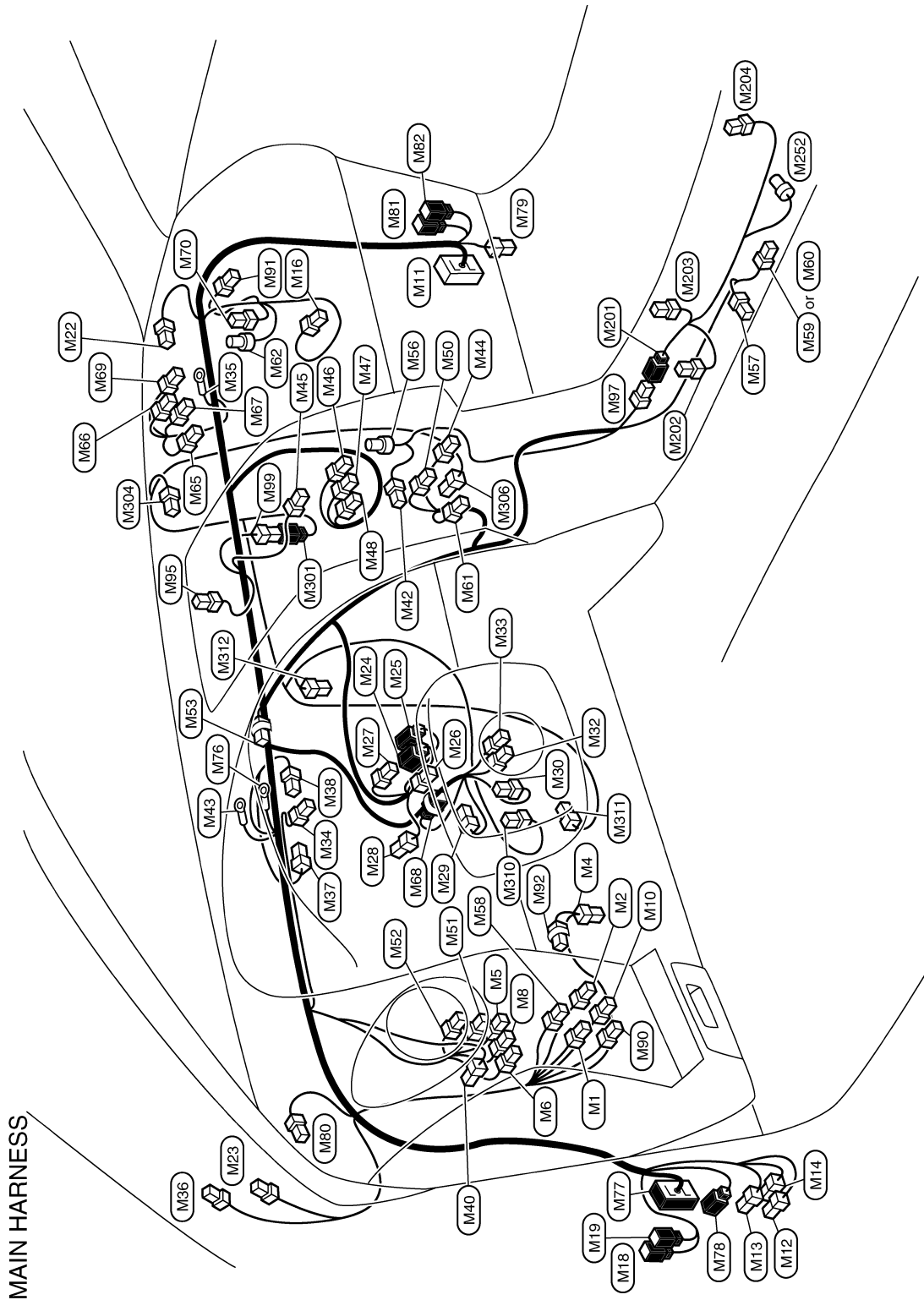
# HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Main Harness

INFOID:000000005253997



MAIN HARNESS

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

2008/07/15

JCMIM0522GB

# HARNES LAYOUT

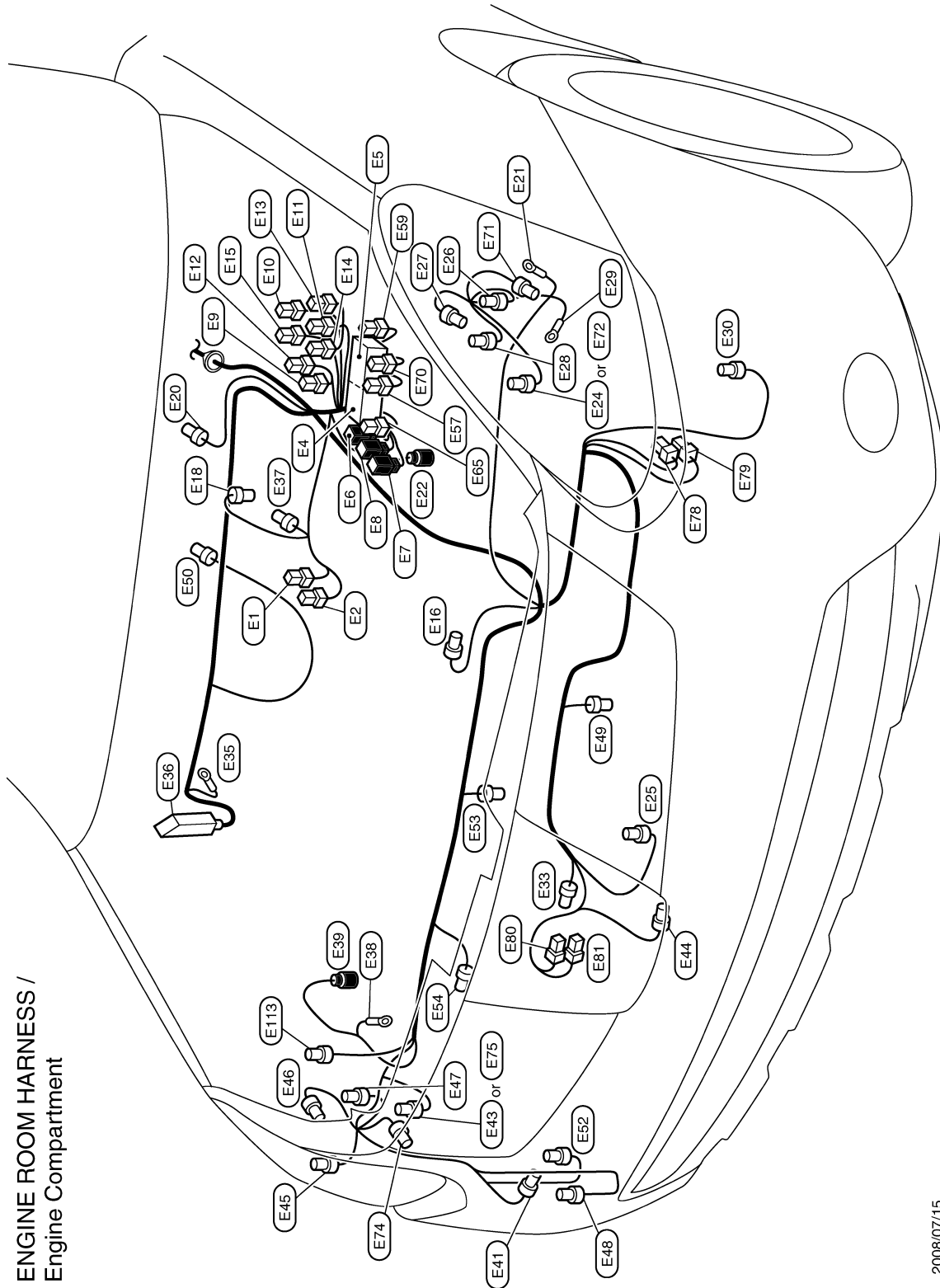
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Engine Room Harness

INFOID:000000005253998

### ENGINE COMPARTMENT



ENGINE ROOM HARNESS /  
Engine Compartment

2008/07/15

JCMIM0523GB

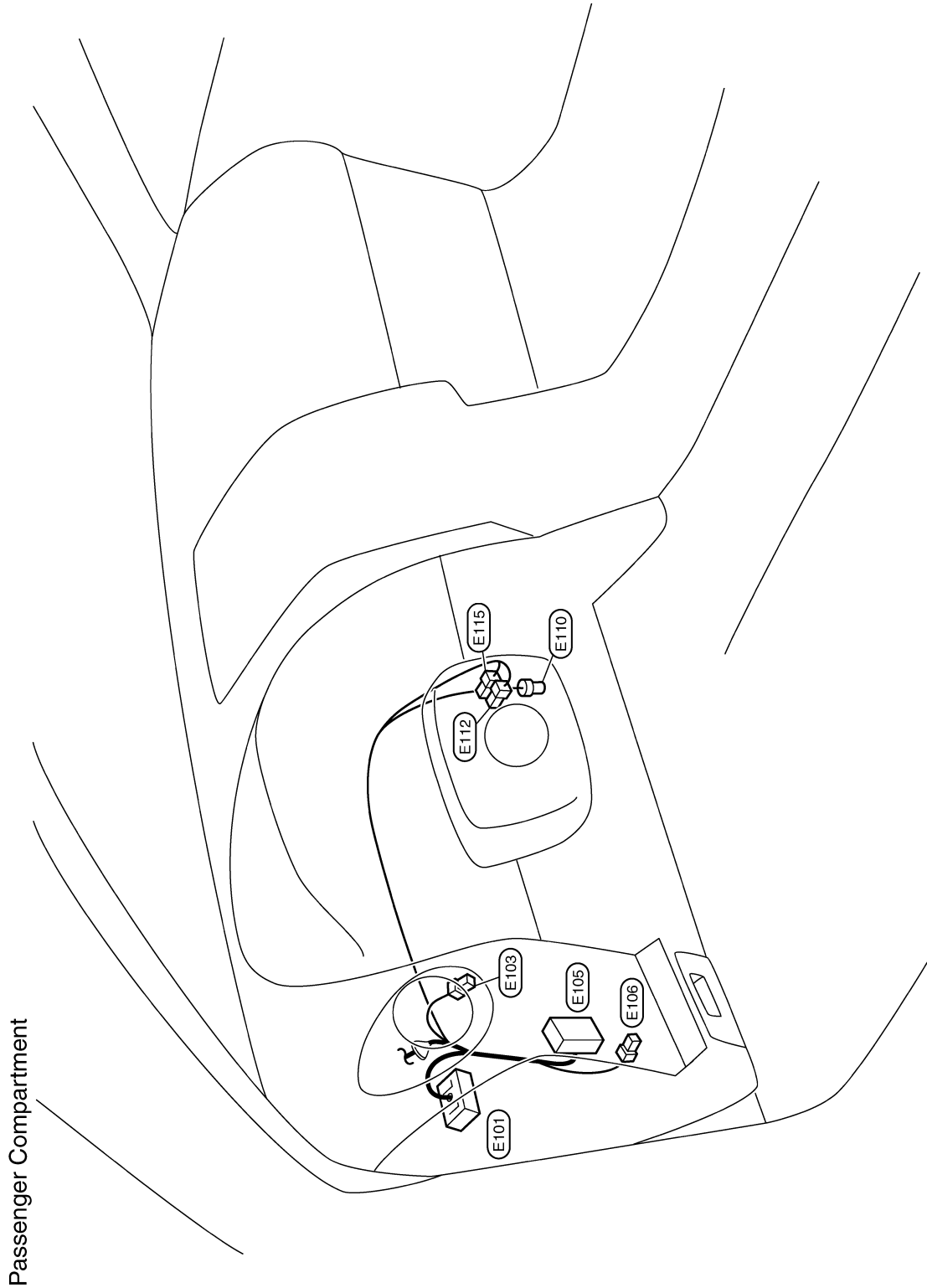


# HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

PASSENGER COMPARTMENT



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

2008/07/15

JCMIM0524GB

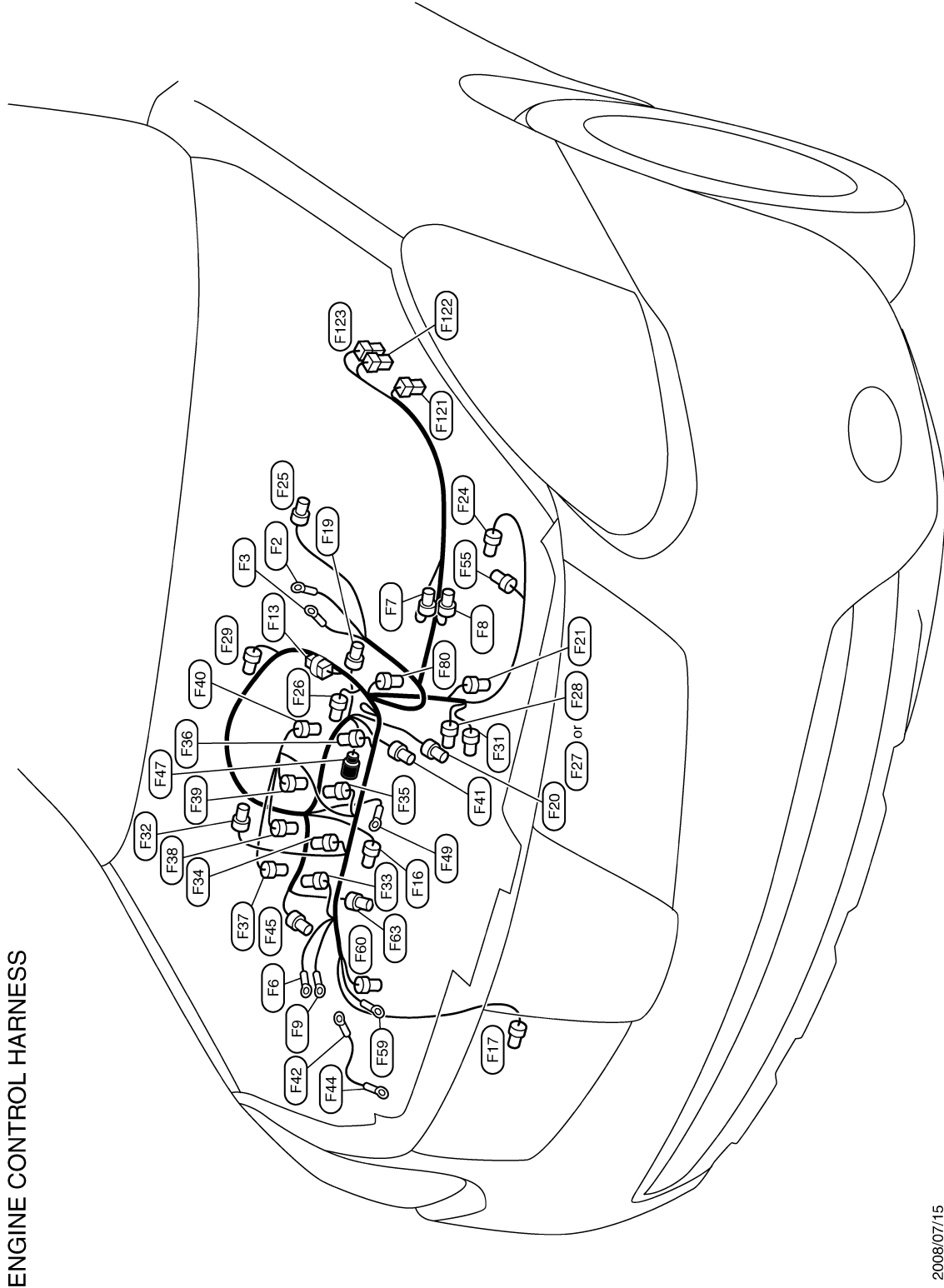
# HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Engine Control Harness

INFOID:000000005253999



ENGINE CONTROL HARNESS

2008/07/15

JCMIM0525GB

# HARNES LAYOUT

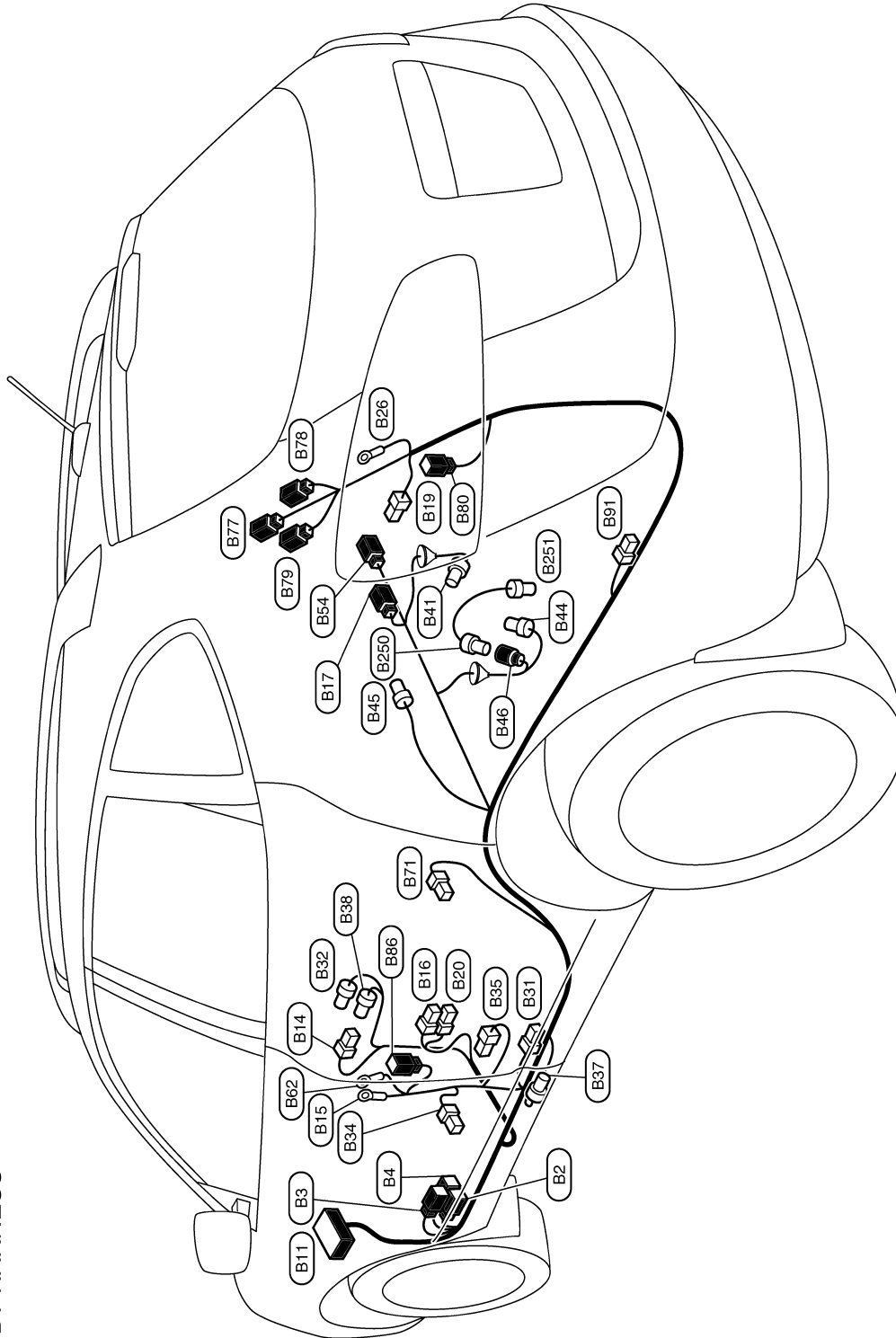
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Body Harness

INFOID:000000005254000

BODY HARNESS



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

2008/07/15

JCMIM0526GB

# HARNES LAYOUT

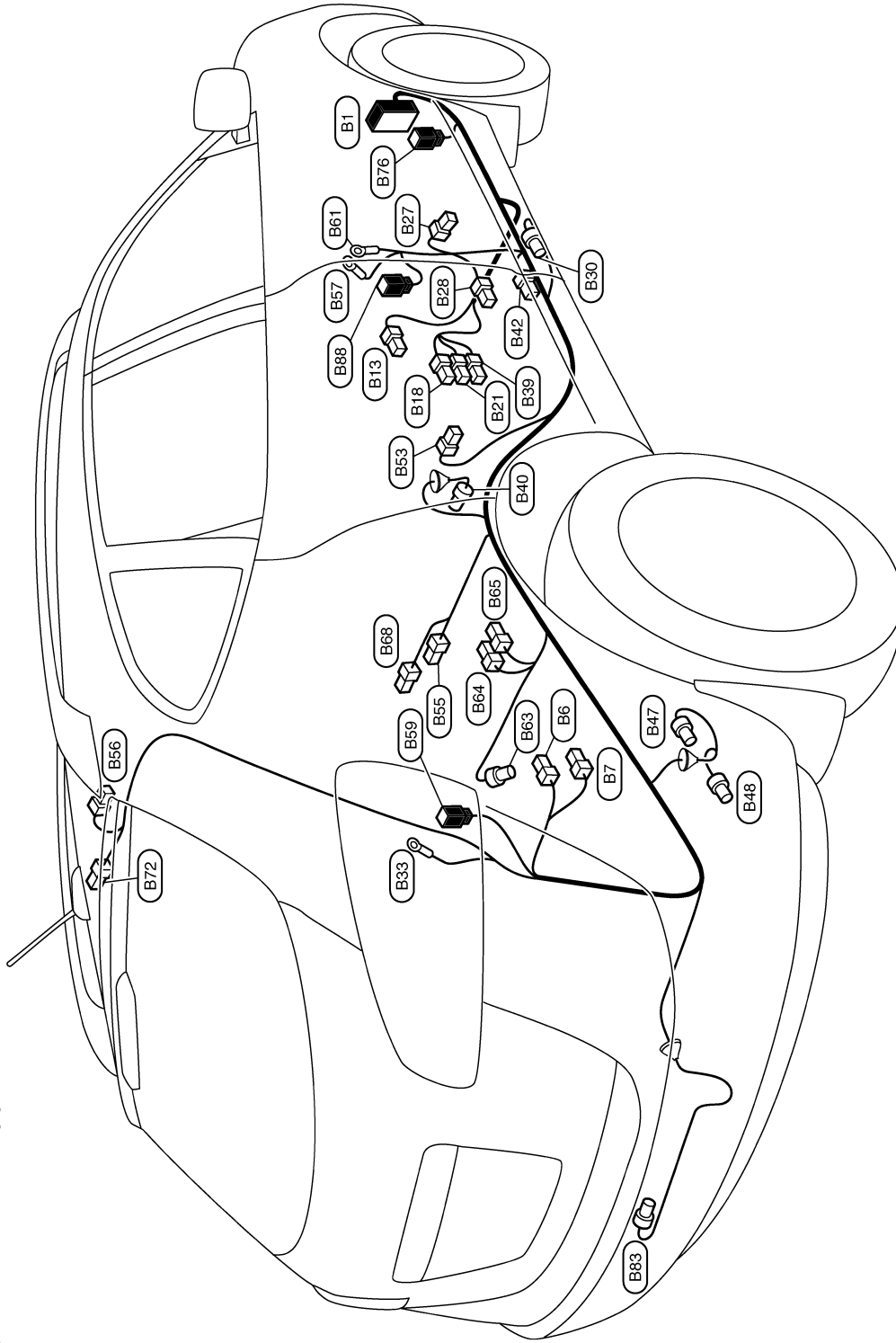
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Body No. 2 Harness

INFOID:000000005254001

BODY No. 2 HARNESS



2008/07/15

JCMIM0527GB

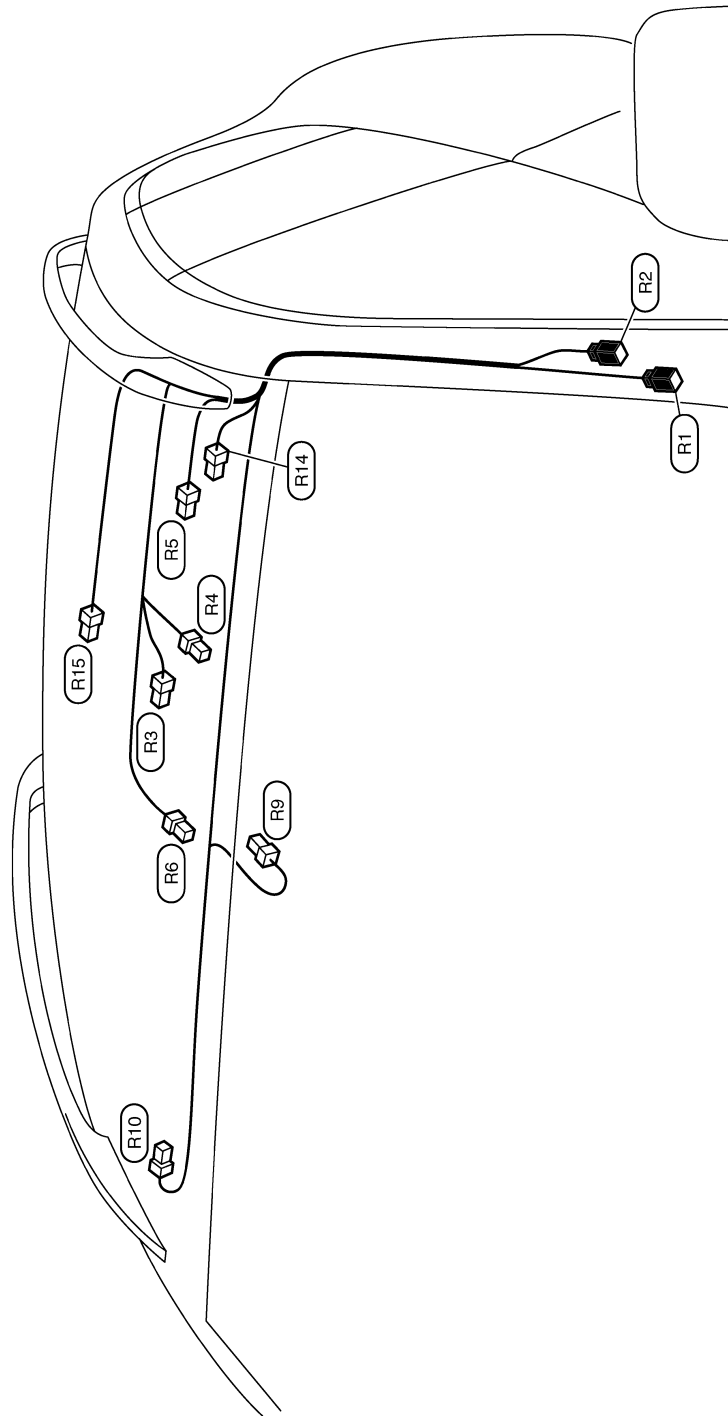
# HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Room Lamp Harness

INFOID:000000005254002



ROOM LAMP HARNESS

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

2008/07/15

JCMIM0528GB

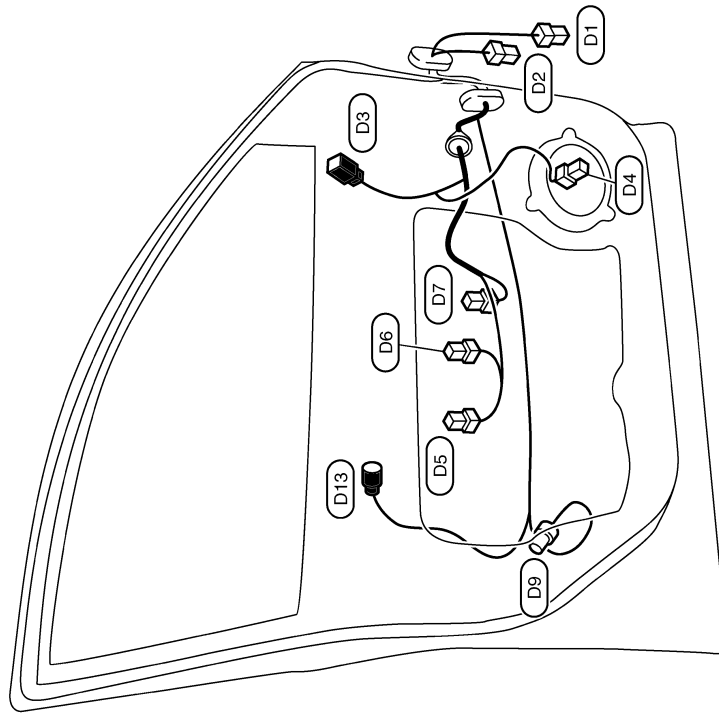
# HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Front Door Harness (LH Side)

INFOID:000000005254003



FRONT DOOR HARNESS (LH SIDE)

2008/07/15

JCMIM0529GB

# HARNES LAYOUT

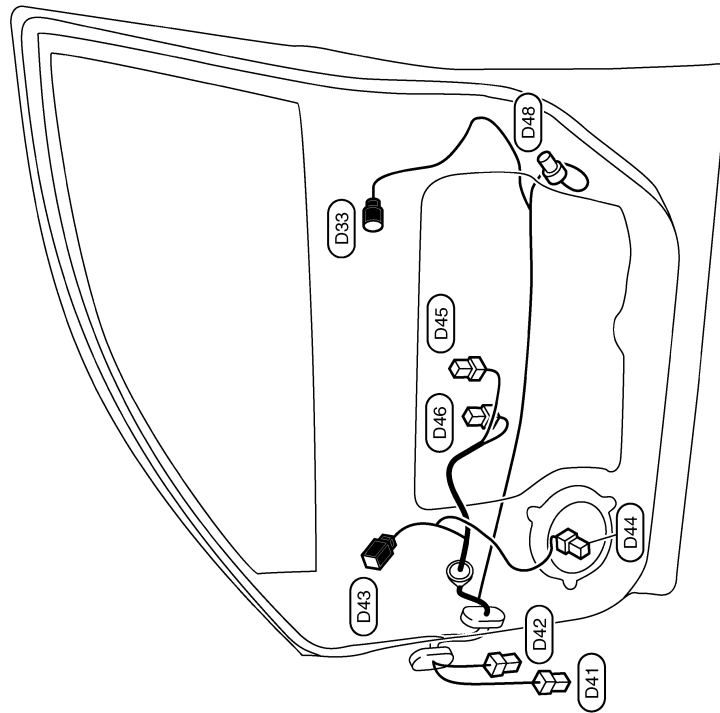
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Front Door Harness (RH Side)

INFOID:000000005254004

FRONT DOOR HARNESS (RH SIDE)



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

2008/07/15

JCMIM0530GB

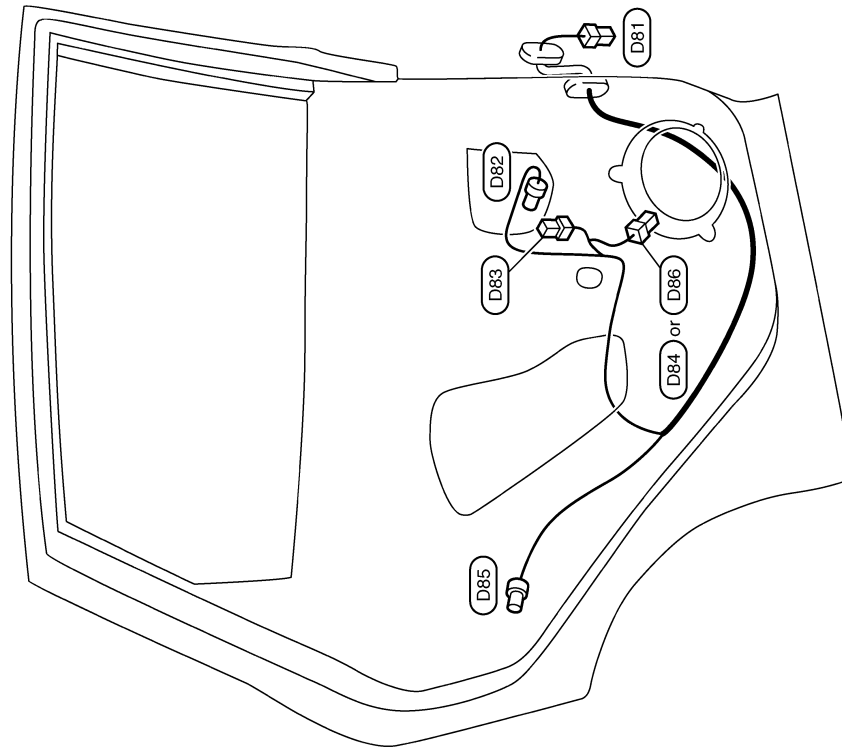
# HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Rear Door Harness (LH Side)

INFOID:000000005254005



REAR DOOR HARNESS (LH SIDE)

2008/07/15

JCMIM0531GB



# HARNES LAYOUT

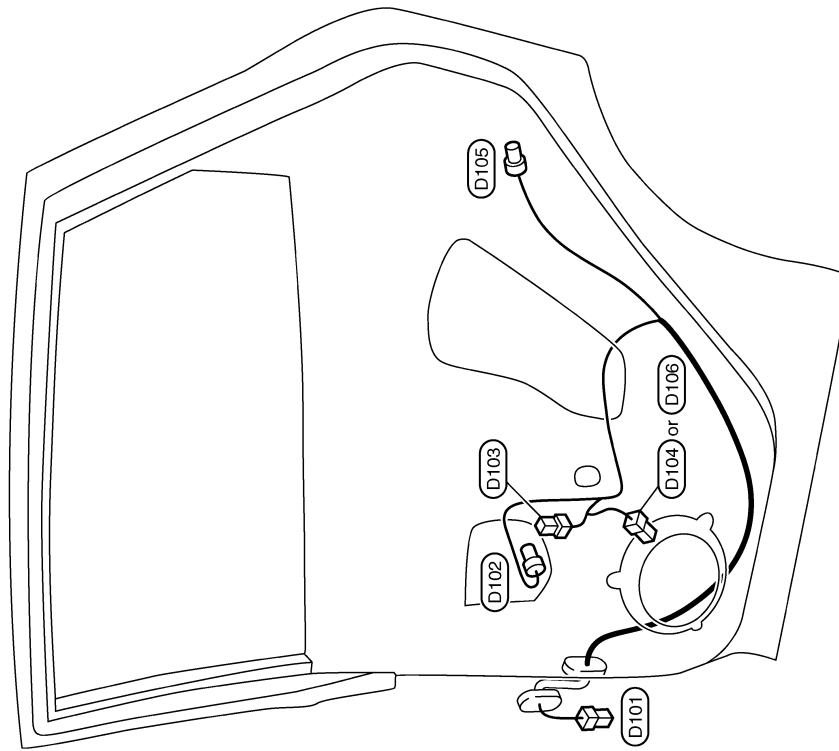
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Rear Door Harness (RH Side)

INFOID:000000005254006

REAR DOOR HARNESS (RH SIDE)



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

PG

N  
O  
P

2008/07/15

JCMIM0532GB

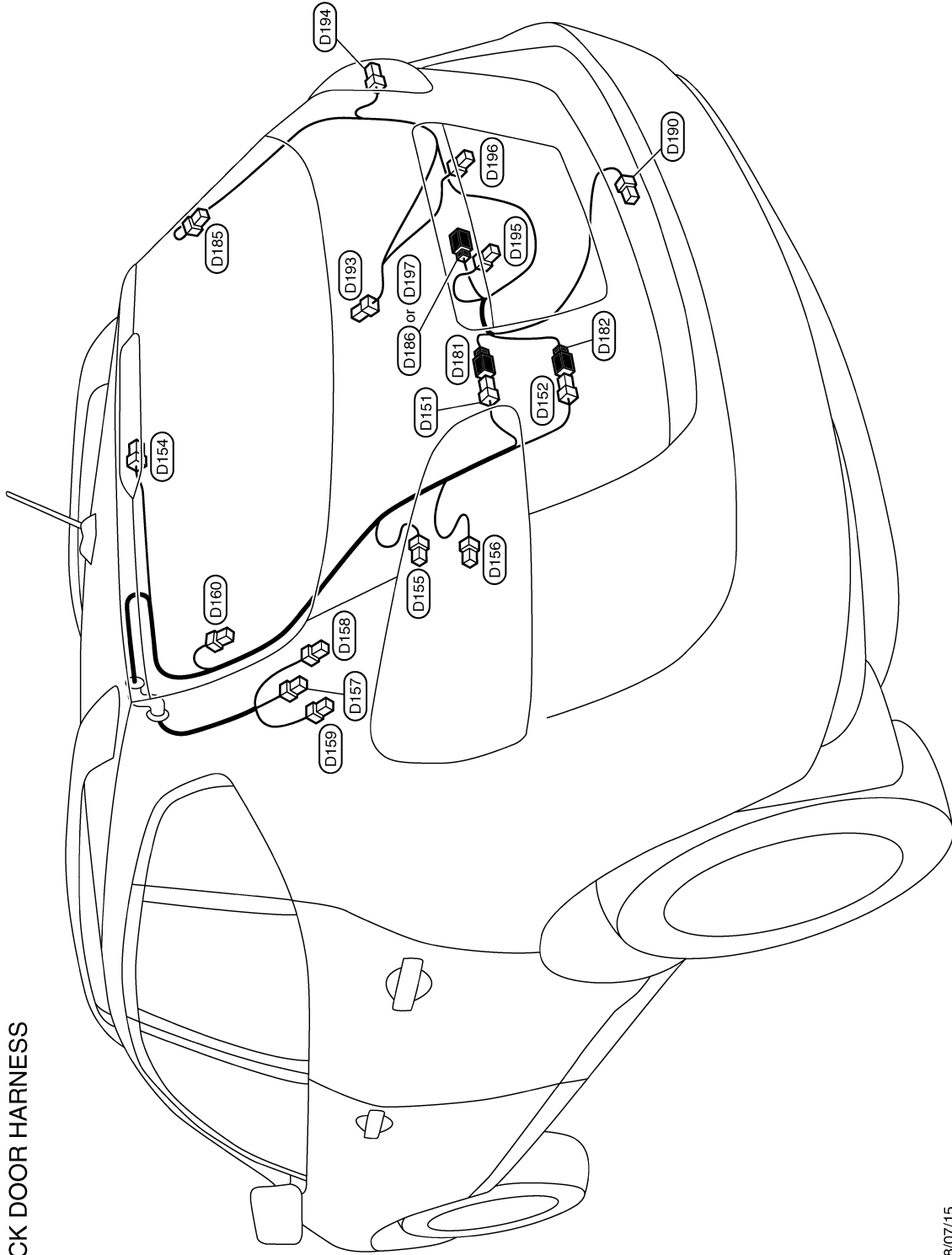
# HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Back Door Harness

INFOID:000000005254007



BACK DOOR HARNESS

2008/07/15

JCMIM0533GB

# HARNESS CONNECTOR

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## HARNESS CONNECTOR

### Description

INFOID:000000005254008

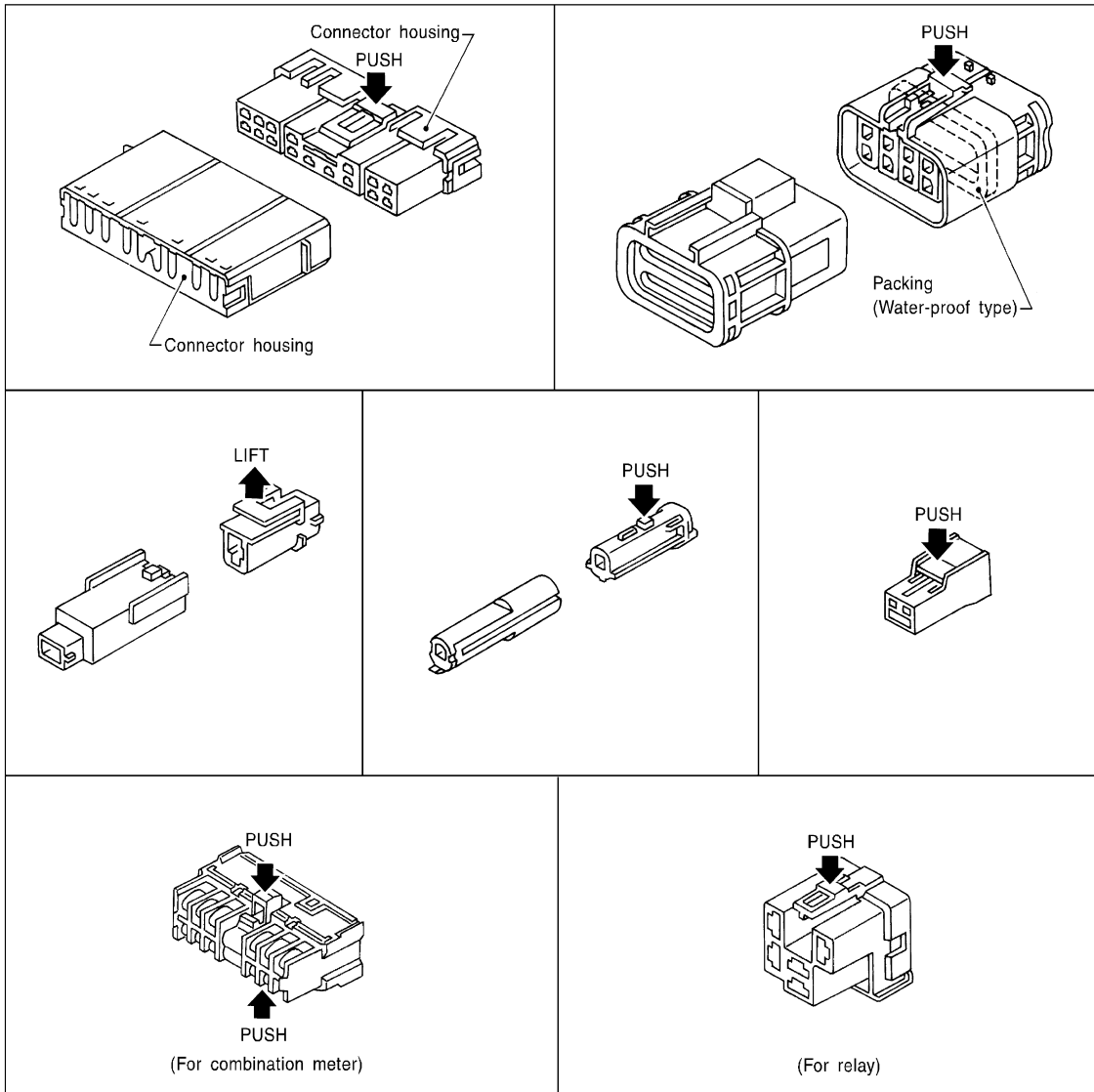
#### HARNESS CONNECTOR (TAB-LOCKING TYPE)

- 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.

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

# HARNESS CONNECTOR

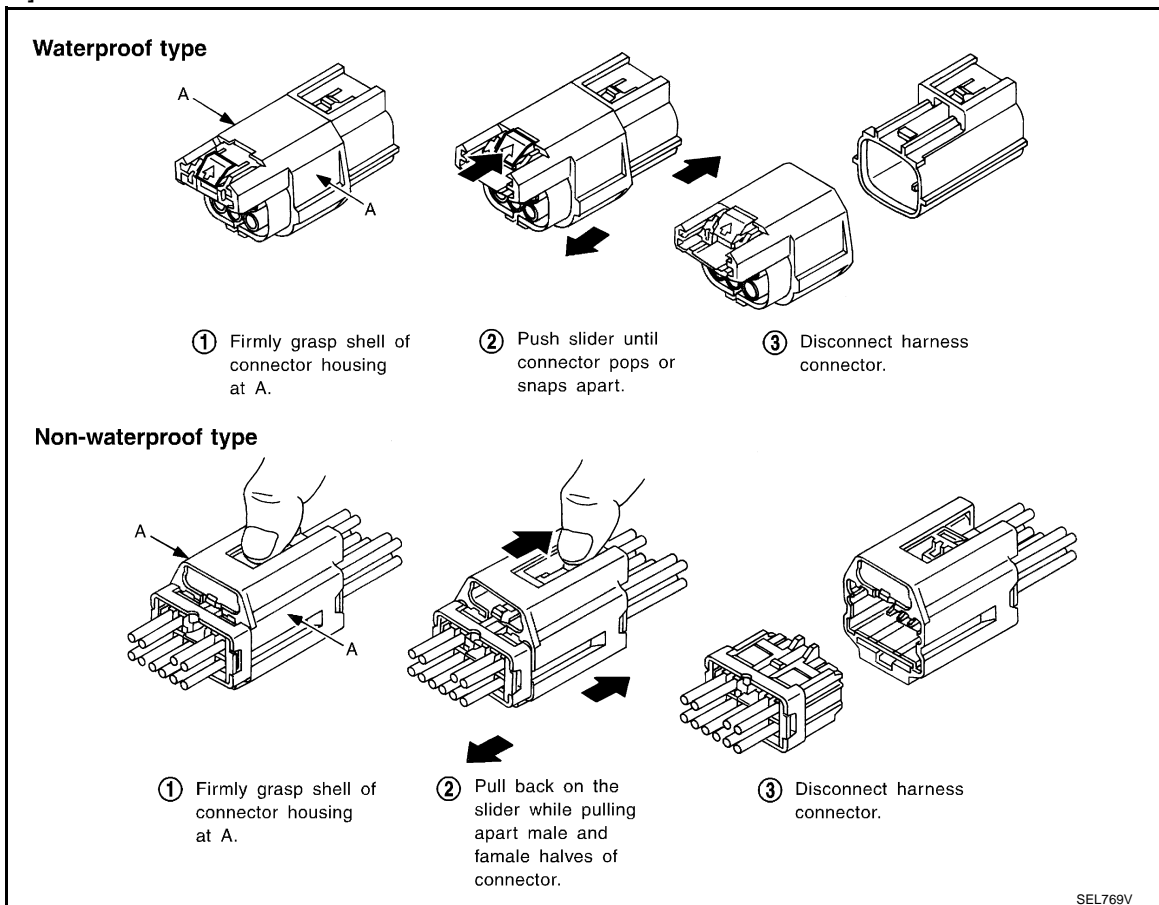
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## CAUTION:

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

[Example]



## HARNESS CONNECTOR (LEVER LOCKING TYPE)

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

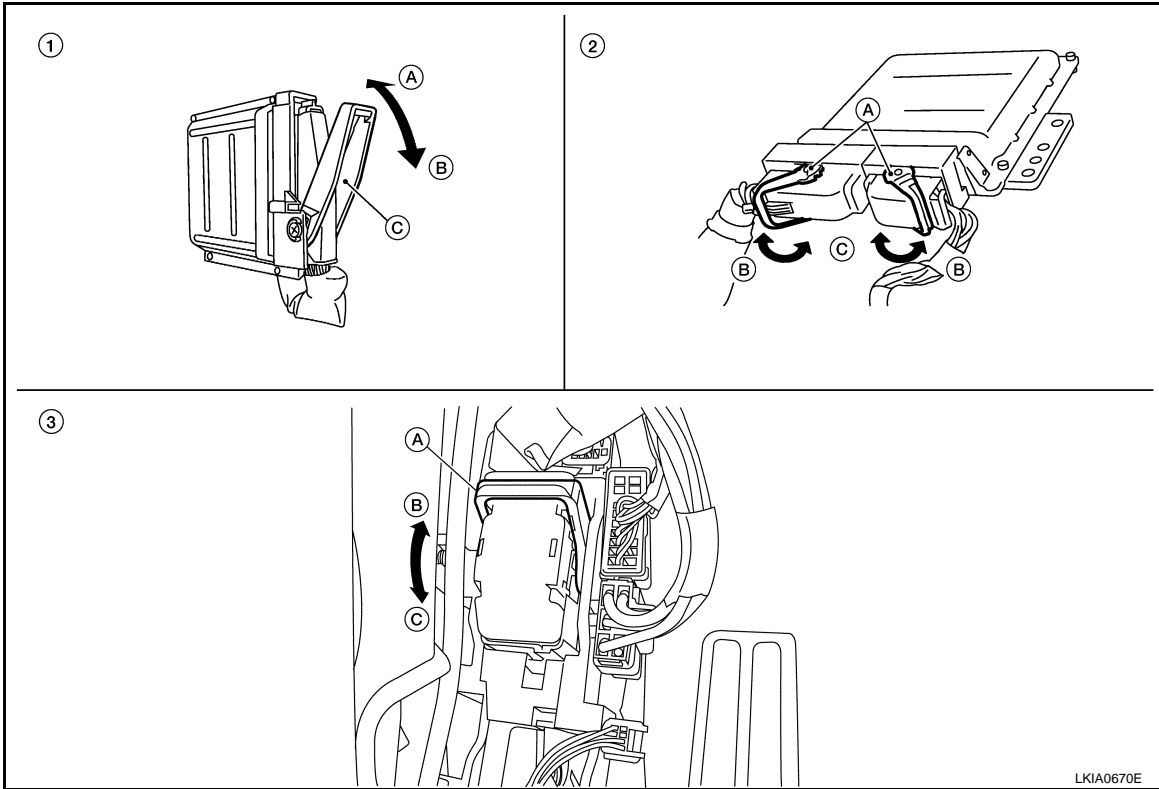
## CAUTION:

# HARNES CONNECTOR

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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



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

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

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

LKIA0670E

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

PG

# STANDARDIZED RELAY

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

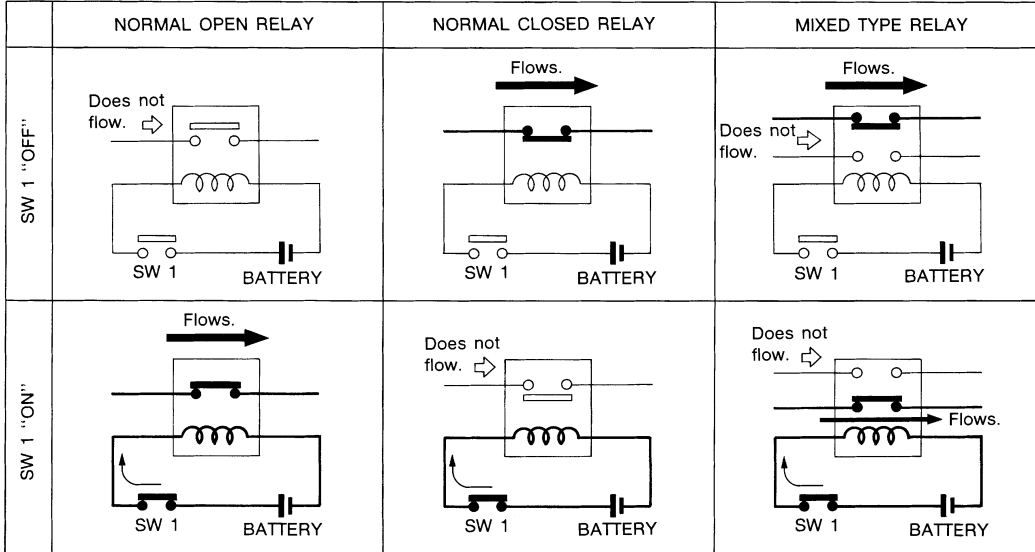
## STANDARDIZED RELAY

### Description

INFOID:000000005254009

### NORMAL OPEN, NORMAL CLOSED AND MIXED TYPE RELAYS

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



SEL881H

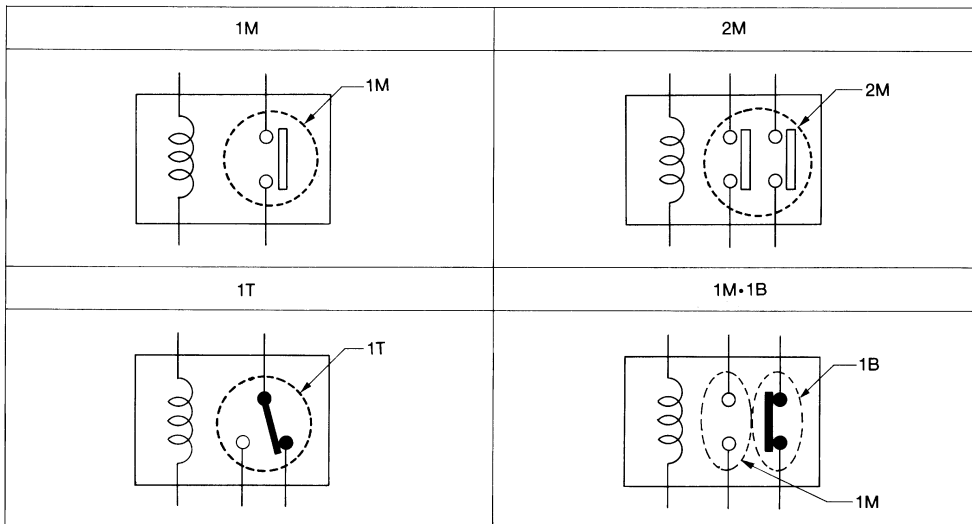
### TYPE OF STANDARDIZED RELAYS

1M ..... 1 Make

2M ..... 2 Make

1T ..... 1 Transfer

1M-1B ..... 1 Make 1 Break

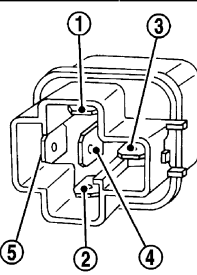
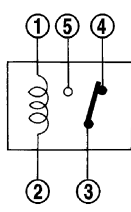
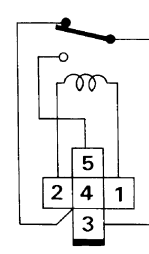
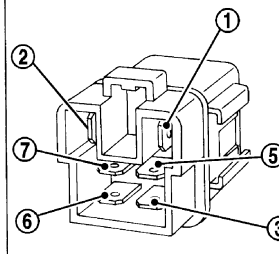
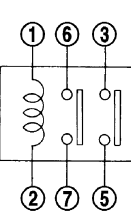
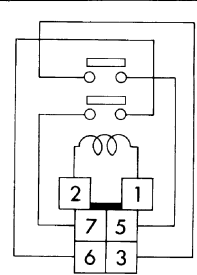
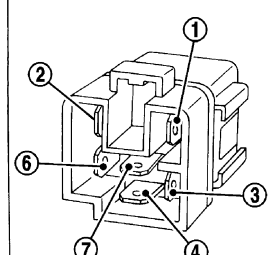
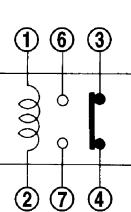
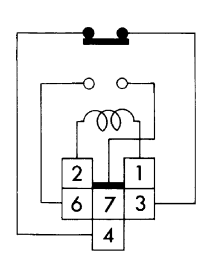
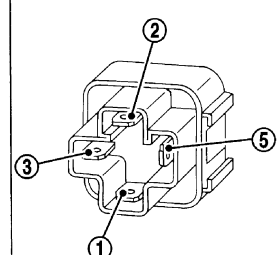
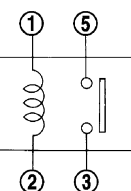
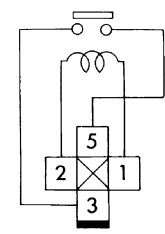
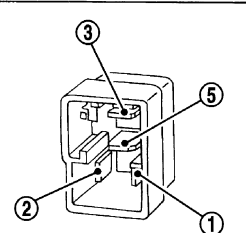
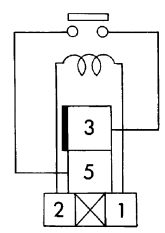


SEL882H

# STANDARDIZED RELAY

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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

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

SEL188W

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

# FUSE BLOCK - JUNCTION BOX (J/B)

< DTC/CIRCUIT DIAGNOSIS >

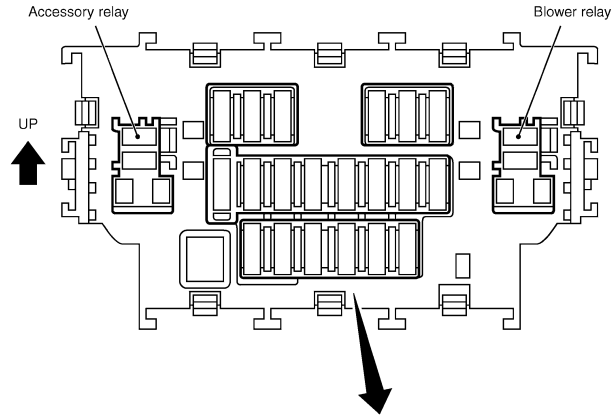
[POWER SUPPLY & GROUND CIRCUIT]

## FUSE BLOCK - JUNCTION BOX (J/B)

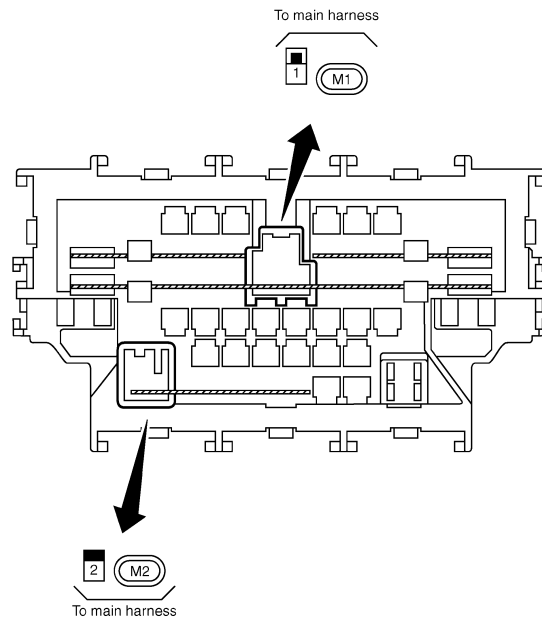
### Fuse, Connector and Terminal Arrangement

INFOID:000000005254010

Up to October 2009 production



20 10 A	19 15 A	18		17	16 15 A	15 15 A	
14 10 A	13 20 A	12 10 A	11 10 A	10 10 A	9 10 A	8 10 A	7 10 A
6	5 10 A	4 10 A	3 10 A	2 10 A	1 10 A		



2008/07/15

JCMWM2926G

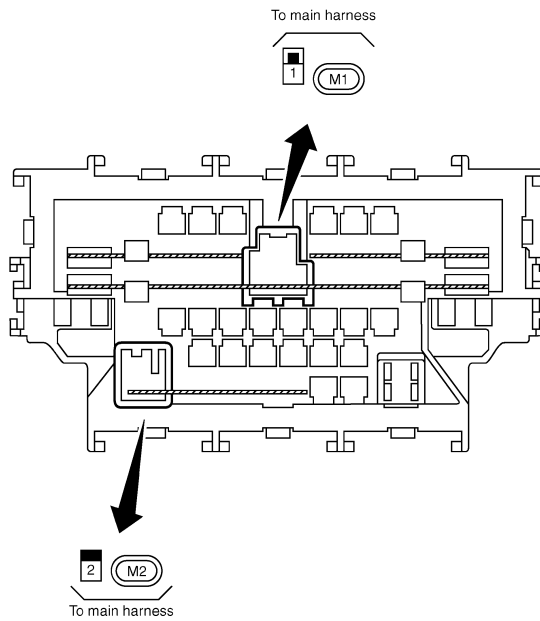
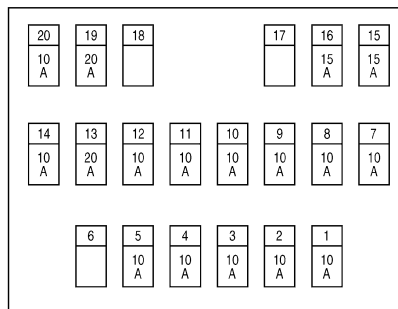
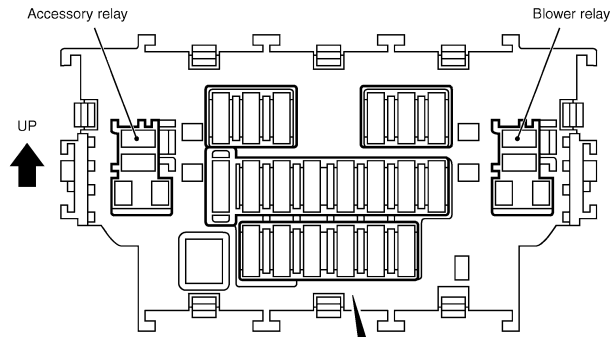


# FUSE BLOCK - JUNCTION BOX (J/B)

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

From October 2009 production



2009/10/02

JCMWA5136Gf

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

# FUSE, FUSIBLE LINK AND RELAY BOX

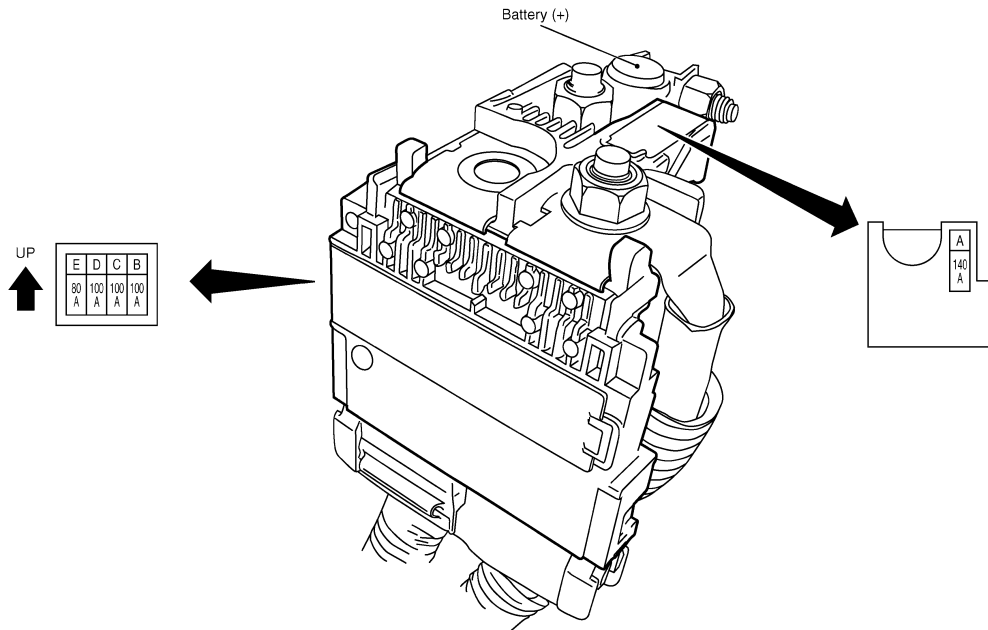
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[POWER SUPPLY & GROUND CIRCUIT]

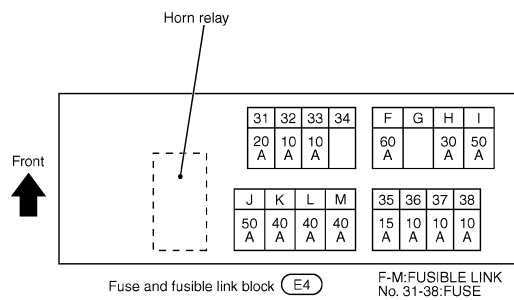
## FUSE, FUSIBLE LINK AND RELAY BOX

### Fuse and Fusible Link Arrangement

INFOID:000000005254011



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



2008/07/15

JCMWM2927G

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

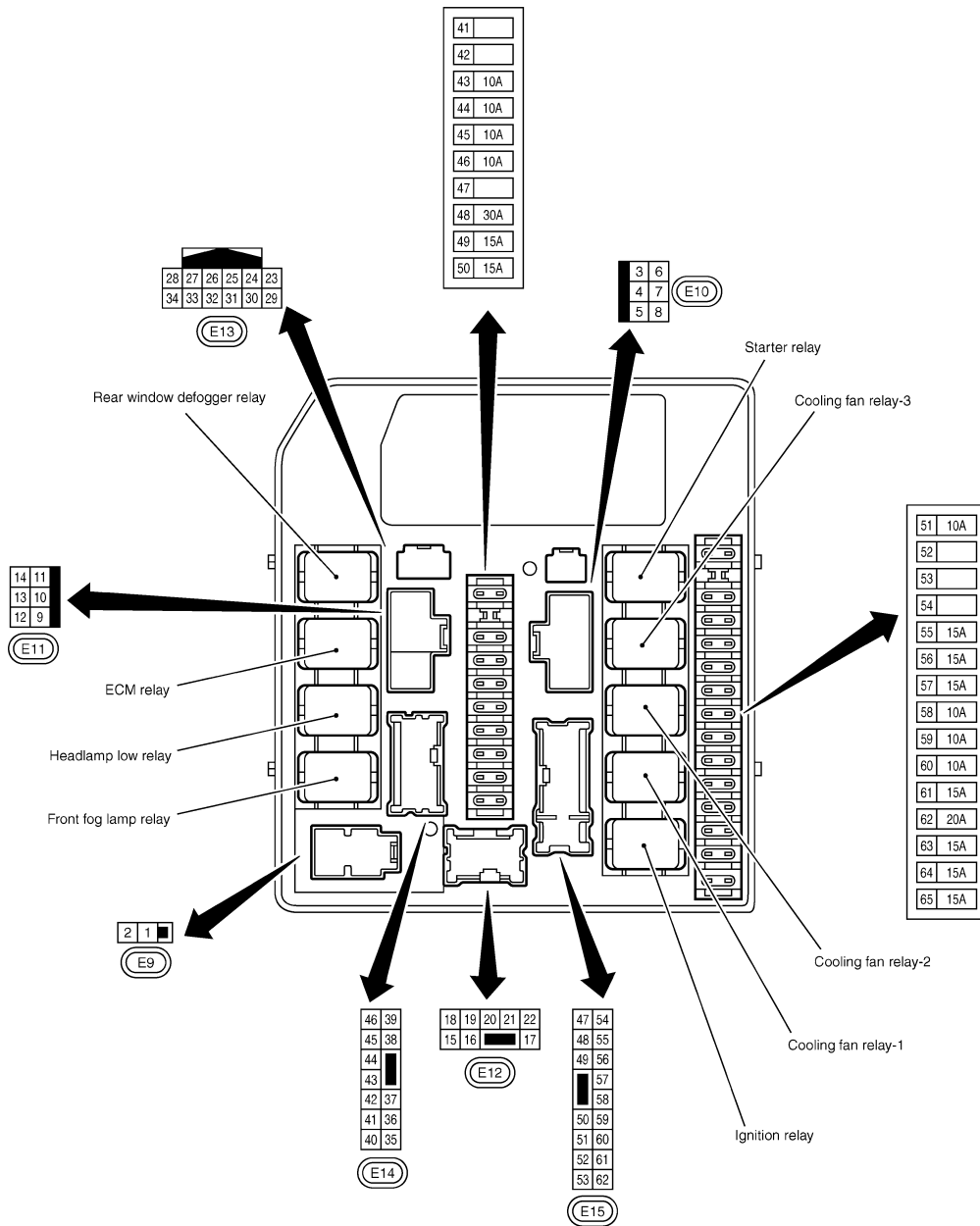
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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

### Fuse, Connector and Terminal Arrangement

INFOID:000000005254012



To engine room harness

2008/07/15

JCMWM2928GI

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

PG

## PRECAUTIONS

< PRECAUTION >

[POWER SUPPLY & GROUND CIRCUIT]

### PRECAUTION

#### PRECAUTIONS

##### FOR USA AND CANADA

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

INFOID:000000005254013

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

Information necessary to service the system safely is included in the "SRS AIR BAG" and "SEAT BELT" of this Service Manual.

#### **WARNING:**

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

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

#### **WARNING:**

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

##### FOR MEXICO

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

INFOID:000000005254014

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

#### **WARNING:**

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

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

#### **WARNING:**

- When working near the Air Bag Diagnosis Sensor Unit or other Air Bag System sensors with the ignition ON or engine running, DO NOT use air or electric power tools or strike near the sensor(s)

# PRECAUTIONS

< PRECAUTION >

[POWER SUPPLY & GROUND CIRCUIT]

- with a hammer. Heavy vibration could activate the sensor(s) and deploy the air bag(s), possibly causing serious injury.
- When using air or electric power tools or hammers, always switch the ignition OFF, disconnect the battery, and wait at least 3 minutes before performing any service.

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# PREPARATION

[POWER SUPPLY & GROUND CIRCUIT]

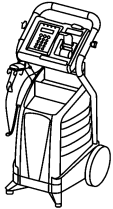
< PREPARATION >

## PREPARATION

### PREPARATION

#### Special Service Tools

INFOID:000000005254015

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

# BATTERY

< REMOVAL AND INSTALLATION >

[POWER SUPPLY & GROUND CIRCUIT]

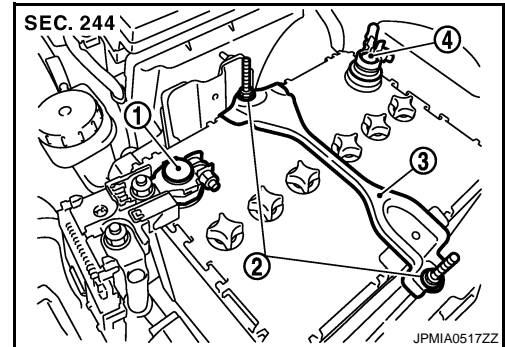
## REMOVAL AND INSTALLATION

### BATTERY

#### Exploded View

INFOID:000000005254016

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



#### Removal and Installation

INFOID:000000005254017

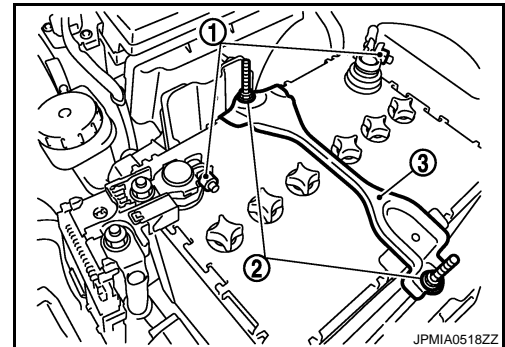
##### REMOVAL

1. Remove cover of battery positive terminal.
2. Loosen battery terminal nuts (1), and disconnect both battery cables from battery terminals.

**CAUTION:**

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

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



##### INSTALLATION

Install in the reverse order of removal.

**CAUTION:**

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

**Battery fix frame mounting nut**

: 5.4 N·m (0.55 kg·m, 48 in·lb)

**Battery terminal nut**

: 5.4 N·m (0.55 kg·m, 48 in·lb)

Reset electronic systems as necessary. Refer to [GI-53, "ADDITIONAL SERVICE WHEN REMOVING BATTERY NEGATIVE TERMINAL : Required Procedure After Battery Disconnection"](#).

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# BATTERY TERMINAL WITH FUSIBLE LINK

< REMOVAL AND INSTALLATION >

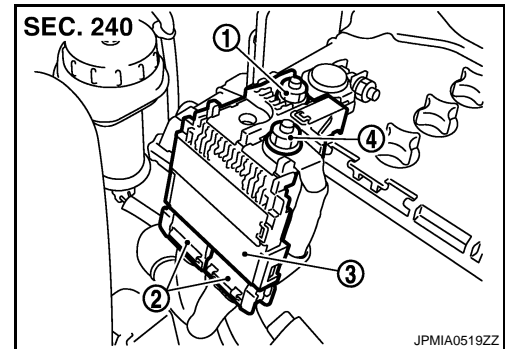
[POWER SUPPLY & GROUND CIRCUIT]

## BATTERY TERMINAL WITH FUSIBLE LINK

### Exploded View

INFOID:000000005254018

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

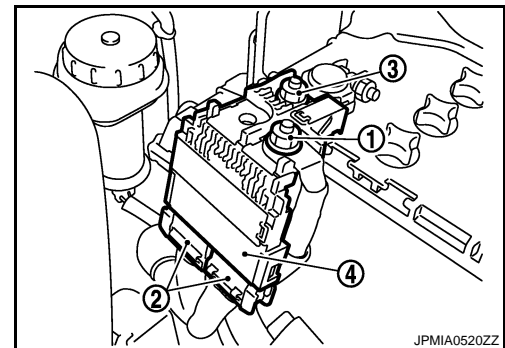


### Removal and Installation

INFOID:000000005254019

#### REMOVAL

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



#### INSTALLATION

Install in the reverse order of removal.

#### Harness mounting nut

: 13.2 N·m (1.3 kg-m, 10 ft-lb)

#### Fusible link holder mounting nut

: 13.2 N·m (1.3 kg-m, 10 ft-lb)



# 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:000000005254020

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

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