

SECTION **PG**

**POWER SUPPLY, GROUND & CIRCUIT ELEMENTS**

**CONTENTS**

<b>POWER SUPPLY &amp; GROUND CIRCUIT</b>	Circuit Breaker .....	63
<b>BASIC INSPECTION</b> .....	<b>OPTION HARNESS</b> .....	64
<b>BATTERY</b> .....	Wiring Diagram - OPTION HARNESS - .....	64
How to Handle Battery .....	<b>HARNESS LAYOUT</b> .....	71
Work Flow .....	How To Read Harness Layout .....	71
<b>DTC/CIRCUIT DIAGNOSIS</b> .....	Outline .....	72
<b>POWER SUPPLY ROUTING CIRCUIT</b> .....	Main Harness .....	73
Wiring Diagram - BATTERY POWER SUPPLY - .....	Engine Room Harness .....	74
Wiring Diagram - BATTERY POWER SUPPLY	Engine Control Harness .....	76
FUSIBLE LINK No. H - .....	Body Harness (LH Side) .....	77
Wiring Diagram - BATTERY POWER SUPPLY	Body Harness (RH Side) .....	78
FUSE No. 14 - .....	Room Lamp Harness .....	79
Wiring Diagram - BATTERY POWER SUPPLY	Front Door Harness (LH Side) .....	80
FUSE No. 34 - .....	Front Door Harness (RH Side) .....	81
Wiring Diagram - BATTERY POWER SUPPLY	Rear Door Harness (LH Side) .....	82
FUSE No. 43 - .....	Rear Door Harness (RH Side) .....	83
Wiring Diagram - BATTERY POWER SUPPLY	Back Door Harness .....	84
FUSE No. 47 - .....	<b>HARNESS CONNECTOR</b> .....	85
Wiring Diagram - ACCESSORY POWER SUPPLY - .....	Description .....	85
Wiring Diagram - ACCESSORY POWER SUPPLY FUSE No. 20 - .....	<b>STANDARDIZED RELAY</b> .....	88
Wiring Diagram - IGNITION POWER SUPPLY - .....	Description .....	88
Wiring Diagram - IGNITION POWER SUPPLY	<b>FUSE BLOCK - JUNCTION BOX (J/B)</b> .....	90
FUSE No. 2 - .....	Fuse, Connector and Terminal Arrangement .....	90
Wiring Diagram - IGNITION POWER SUPPLY	<b>FUSE, FUSIBLE LINK AND RELAY BOX</b> .....	91
FUSE No. 16 - .....	Fuse and Fusible Link Arrangement .....	91
Wiring Diagram - IGNITION POWER SUPPLY	<b>IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)</b> .....	92
FUSE No. 41, 42 - .....	Fuse, Connector and Terminal Arrangement .....	92
Wiring Diagram - IGNITION POWER SUPPLY	<b>PRECAUTION</b> .....	93
FUSE No. 55 - .....	<b>PRECAUTIONS</b> .....	93
Wiring Diagram - IGNITION POWER SUPPLY	Precaution for Supplemental Restraint System (SRS) "AIR BAG" and "SEAT BELT PRE-TENSIONER" .....	93
FUSE No. 57 - .....		
Wiring Diagram - IGNITION POWER SUPPLY		
FUSE No. 62 - .....		
Fuse .....		
Fusible Link .....		

A  
B  
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D  
E  
F  
G  
H  
I  
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P

<b>PREPARATION .....</b>	<b>94</b>	<b>BATTERY TERMINAL WITH FUSIBLE LINK... 96</b>
<b>PREPARATION .....</b>	<b>94</b>	Exploded View .....
Special Service Tools .....	94	Removal and Installation .....
<b>REMOVAL AND INSTALLATION .....</b>	<b>95</b>	<b>SERVICE DATA AND SPECIFICATIONS</b>
<b>BATTERY .....</b>	<b>95</b>	<b>(SDS) .....</b>
Exploded View .....	95	<b>SERVICE DATA AND SPECIFICATIONS</b>
Removal and Installation .....	95	<b>(SDS) .....</b>
		Battery .....

## BASIC INSPECTION

### BATTERY

#### How to Handle Battery

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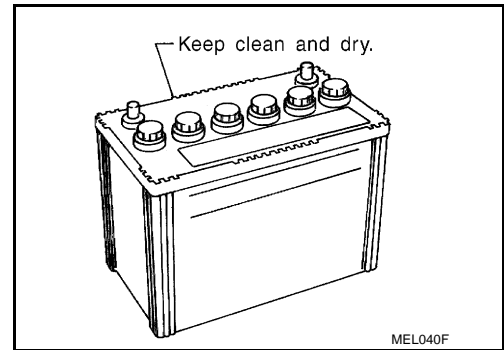
#### CAUTION:

- 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.

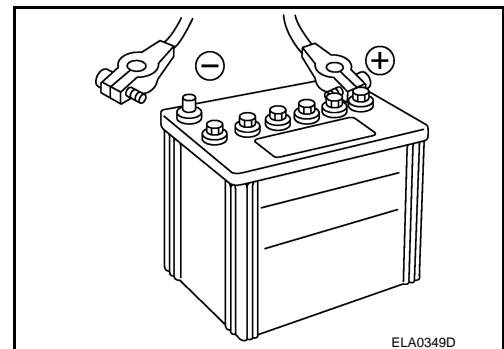
#### METHODS OF PREVENTING OVER-DISCHARGE

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

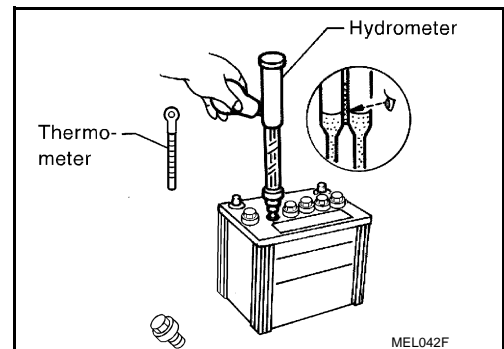
- The battery surface (particularly its top) should always be kept clean and dry.
- The terminal connections should be clean and tight.
- At every routine maintenance, check the electrolyte level. This also applies to batteries designated as "low maintenance" and "maintenance-free".



- 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.

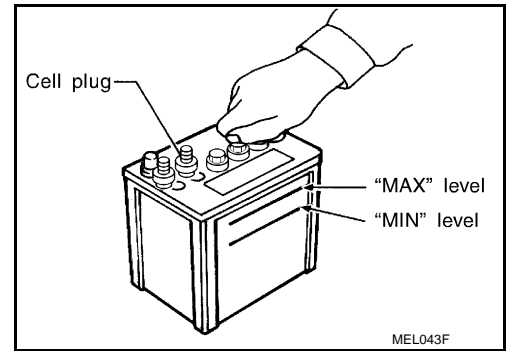
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# BATTERY

## [POWER SUPPLY & GROUND CIRCUIT]

### < BASIC INSPECTION >

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

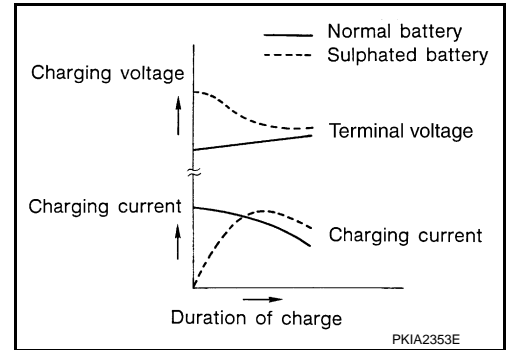


### Sulphation

**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.**

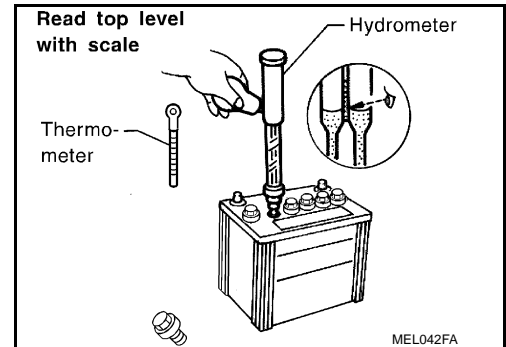
**To determine if a battery has been “sulphated”, note its voltage and current when charging it. As shown in the figure, less current and higher voltage are observed in the initial stage of charging sulphated batteries.**

**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]

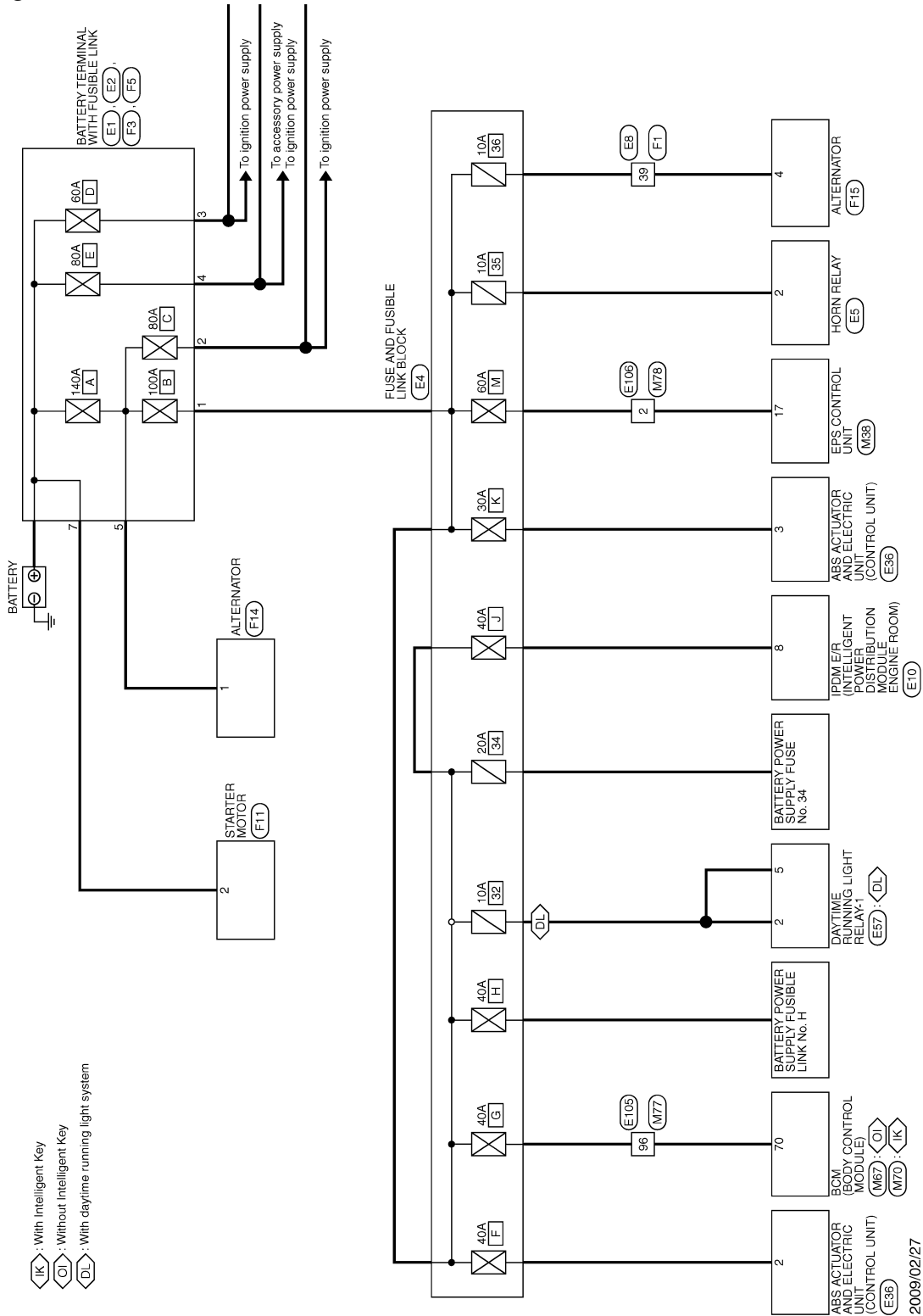
## DTC/CIRCUIT DIAGNOSIS

### POWER SUPPLY ROUTING CIRCUIT

#### Wiring Diagram - BATTERY POWER SUPPLY -

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### BATTERY POWER SUPPLY



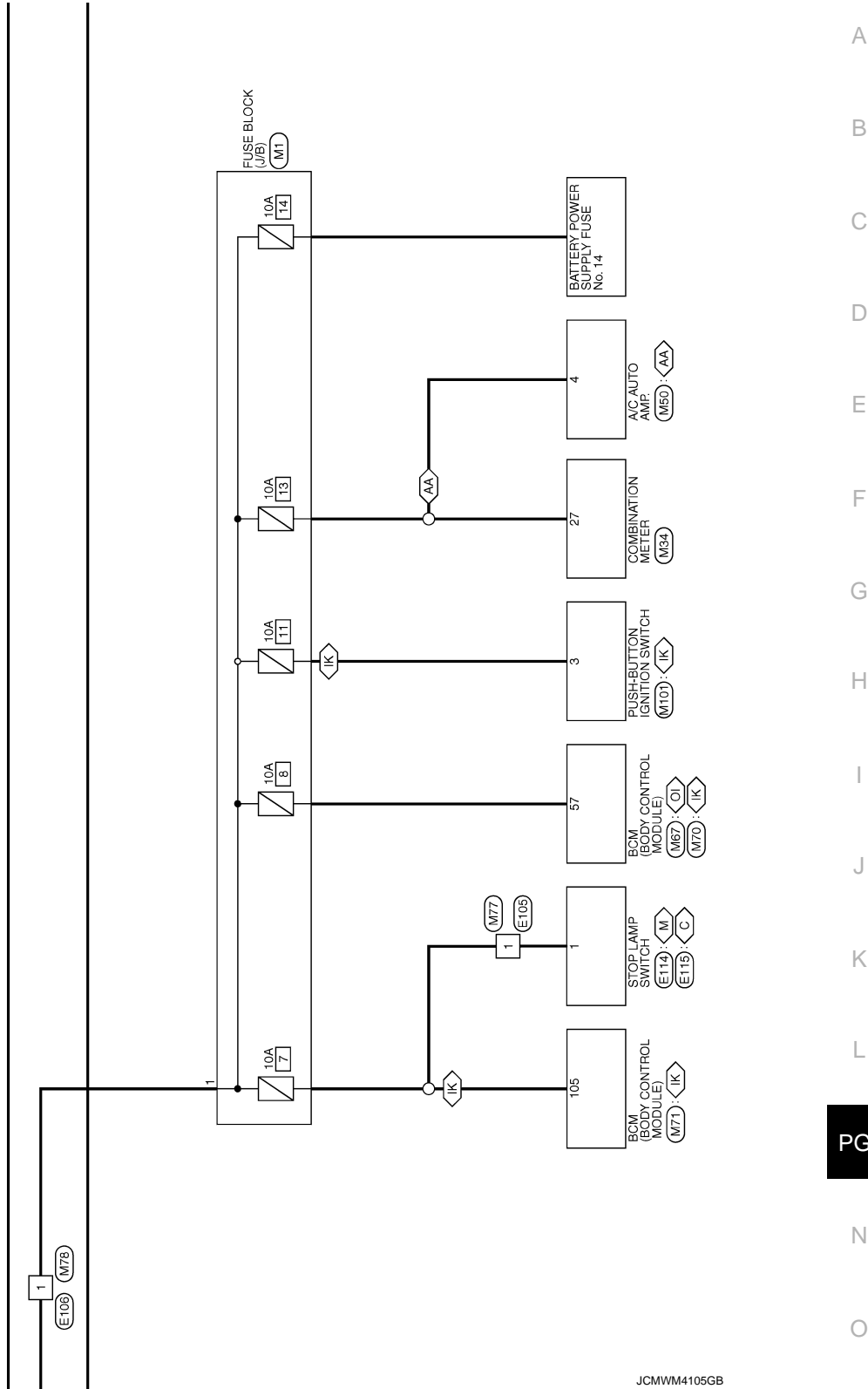
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# POWER SUPPLY ROUTING CIRCUIT

## [POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

- : With CVT
- : With M/T
- : With Intelligent Key
- : Without Intelligent Key
- : With auto A/C



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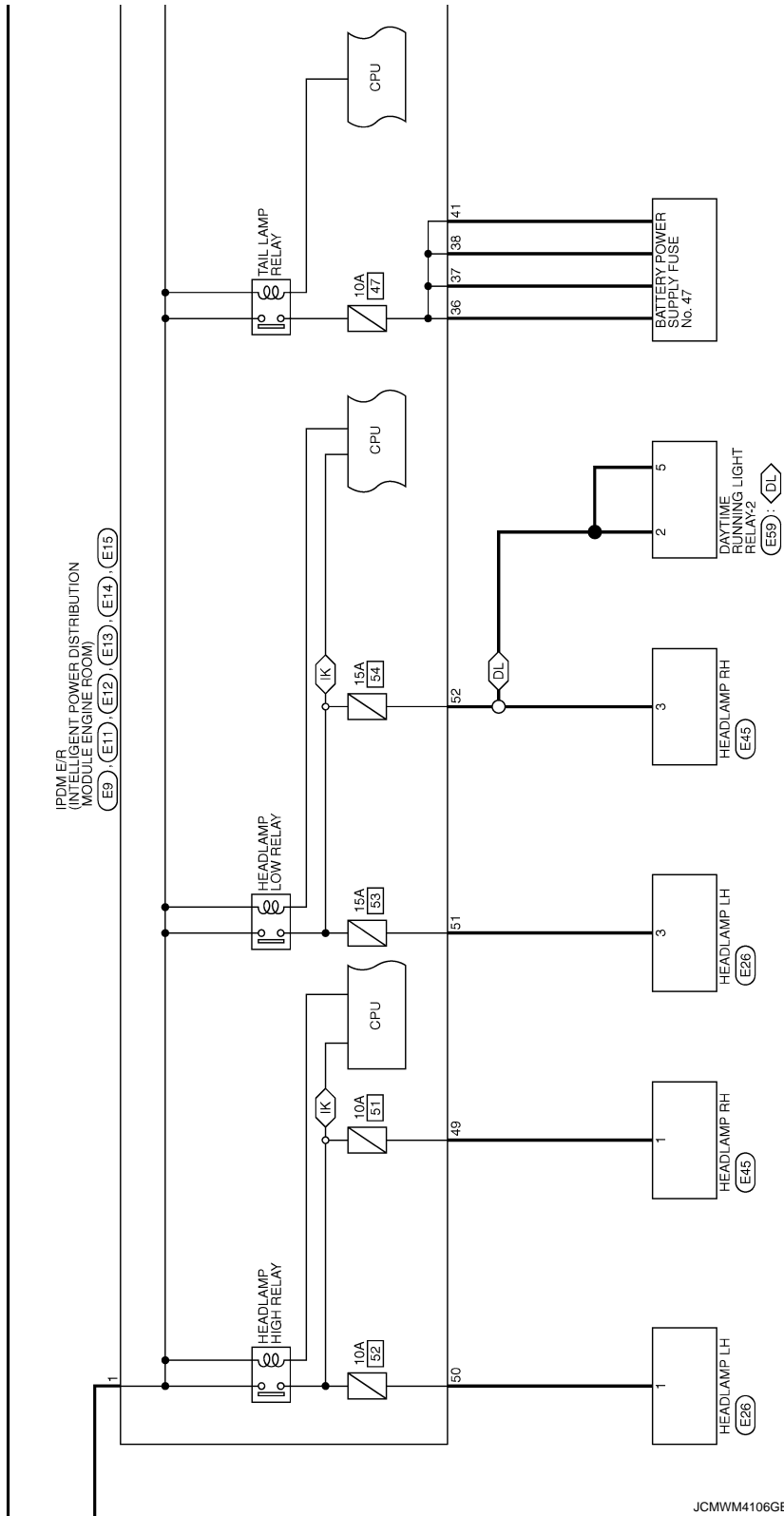
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# POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

IK : With Intelligent Key  
DL : With daytime running light system



JCMWM4106GB









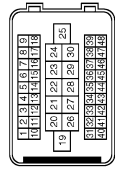







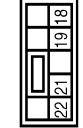



# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BATTERY POWER SUPPLY

<table border="1"> <tr><td>Connector No.</td><td>E1</td></tr> <tr><td>Connector Name</td><td>BATTERY TERMINAL WITH FUSIBLE LINK</td></tr> <tr><td>Connector Type</td><td>L02FGY-MC</td></tr> </table>  	Connector No.	E1	Connector Name	BATTERY TERMINAL WITH FUSIBLE LINK	Connector Type	L02FGY-MC	<table border="1"> <tr><td>Terminal No.</td><td>Color of Wire</td><td>Signal Name [Specification]</td></tr> <tr><td>3</td><td>G</td><td>-</td></tr> <tr><td>4</td><td>W</td><td>-</td></tr> </table>	Terminal No.	Color of Wire	Signal Name [Specification]	3	G	-	4	W	-						
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2	R	-																				
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44	R	-																				
47	G	-																				
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21	W	-																				
22	V	-																				


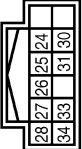





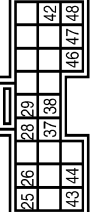
















JCMWM4108GB

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BATTERY POWER SUPPLY

<table border="1"> <tr><td>Connector No.</td><td>E13</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>TH127V-NH</td></tr> </table>   <table border="1"> <tr><td>Terminal No.</td><td>Color of Wire</td><td>Signal Name [Specification]</td></tr> <tr><td>26</td><td>P</td><td>-</td></tr> <tr><td>27</td><td>L</td><td>-</td></tr> </table>	Connector No.	E13	Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)	Connector Type	TH127V-NH	Terminal No.	Color of Wire	Signal Name [Specification]	26	P	-	27	L	-	<table border="1"> <tr><td>Connector No.</td><td>E14</td></tr> <tr><td>Connector Name</td><td>IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)</td></tr> <tr><td>Connector Type</td><td>NS12FER-CS</td></tr> </table>   <table border="1"> <tr><td>Terminal No.</td><td>Color of Wire</td><td>Signal Name [Specification]</td></tr> <tr><td>36</td><td>O</td><td>-</td></tr> <tr><td>37</td><td>V</td><td>-</td></tr> <tr><td>38</td><td>G</td><td>-</td></tr> <tr><td>40</td><td>R</td><td>-</td></tr> <tr><td>41</td><td>SB</td><td>-</td></tr> <tr><td>42</td><td>W</td><td>-</td></tr> <tr><td>43</td><td>G</td><td>-</td></tr> <tr><td>44</td><td>P</td><td>-</td></tr> <tr><td>45</td><td>Y</td><td>-</td></tr> </table>	Connector No.	E14	Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)	Connector Type	NS12FER-CS	Terminal No.	Color of Wire	Signal Name [Specification]	36	O	-	37	V	-	38	G	-	40	R	-	41	SB	-	42	W	-	43	G	-	44	P	-	45	Y	-	<table border="1"> <tr><td>Connector No.</td><td>E15</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>NS18FW-CS</td></tr> </table>   <table border="1"> <tr><td>Terminal No.</td><td>Color of Wire</td><td>Signal Name [Specification]</td></tr> <tr><td>49</td><td>W</td><td>-</td></tr> <tr><td>50</td><td>GR</td><td>-</td></tr> <tr><td>51</td><td>R</td><td>-</td></tr> <tr><td>52</td><td>P</td><td>-</td></tr> <tr><td>54</td><td>GR</td><td>-</td></tr> <tr><td>57</td><td>G</td><td>-</td></tr> </table>	Connector No.	E15	Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)	Connector Type	NS18FW-CS	Terminal No.	Color of Wire	Signal Name [Specification]	49	W	-	50	GR	-	51	R	-	52	P	-	54	GR	-	57	G	-	<table border="1"> <tr><td>Connector No.</td><td>E19</td></tr> <tr><td>Connector Name</td><td>TCM (TRANSMISSION CONTROL MODULE)</td></tr> <tr><td>Connector Type</td><td>TK24FGY</td></tr> </table>   <table border="1"> <tr><td>Terminal No.</td><td>Color of Wire</td><td>Signal Name [Specification]</td></tr> <tr><td>28</td><td>Y</td><td>-</td></tr> </table>	Connector No.	E19	Connector Name	TCM (TRANSMISSION CONTROL MODULE)	Connector Type	TK24FGY	Terminal No.	Color of Wire	Signal Name [Specification]	28	Y	-
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









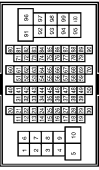




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# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BATTERY POWER SUPPLY

Connector No. E48	FRONT FOG LAMP RH	FCI 240P-C023S4019	 	Terminal No. 1	Color of Wire W	Signal Name [Specification]	Terminal No. 1	Color of Wire V	Signal Name [Specification]
Connector No. E49	DAYTIME RUNNING LIGHT RELAY-2	MS2FEL-M2-LC	 	Terminal No. 2	P		Terminal No. 2	P	
Connector No. E57	DAYTIME RUNNING LIGHT RELAY-1	MS2FEL-M2-LC	 	Terminal No. 2	LG		Terminal No. 2	P	
Connector No. E59	DAYTIME RUNNING LIGHT RELAY-2	MS2FEL-M2-LC	 	Terminal No. 5	P		Terminal No. 5	P	
Connector No. E64	OPTION CONNECTOR (FRONT FOG LAMP LH)	FCI 240P-C023S4019	 	Terminal No. 1	V		Terminal No. 1	V	
Connector No. E85	OPTION CONNECTOR (FRONT FOG LAMP RH)	FCI 240P-C023S4019	 	Terminal No. 1	W		Terminal No. 1	V	
Connector No. E105	WIRE TO WIRE	TH80MW-GS16-TM4	 	Terminal No. 47	W		Terminal No. 47	W	
Connector No. E106	WIRE TO WIRE	LD2FB-MC	 	Terminal No. 2	R		Terminal No. 2	R	
Connector No. E114	STOP LAMP SWITCH (WITH M/T)	MD2FB-LC	 	Terminal No. 1	V		Terminal No. 1	V	
Terminal No. 96	Y			Terminal No. 96	LG		Terminal No. 96	LG	

JCMWM4110GB

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

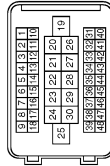
## BATTERY POWER SUPPLY

Connector No.	E115
Connector Name	STOP LAMP SWITCH (WITH CVT)
Connector Type	MO4FW-LC



Terminal No.	1	Color of Wire	V	Signal Name [Specification]	-
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Connector No.	F1
Connector Name	WIRE TO WIRE
Connector Type	SA438FB-RS10-SJZ



Terminal No.	27	Color of Wire	SB	Signal Name [Specification]	-
	39	G	-	-	-
	44	P	-	-	-
	47	Y	-	-	-

Connector No.	F3
Connector Name	BATTERY TERMINAL WITH FUSIBLE LINK
Connector Type	-



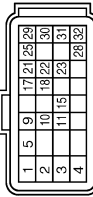
Terminal No.	5	Color of Wire	B/R	Signal Name [Specification]	-
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Connector No.	F5
Connector Name	BATTERY TERMINAL WITH FUSIBLE LINK
Connector Type	-



Terminal No.	7	Color of Wire	B/R	Signal Name [Specification]	-
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Connector No.	F7
Connector Name	ECM
Connector Type	RH24FGY-R28-R-RH



Terminal No.	2	Color of Wire	SB	Signal Name [Specification]	VMOT
	15	Y	-	-	MOTRLY
	32	P	-	-	SSOFF

Connector No.	F11
Connector Name	STARTER MOTOR
Connector Type	-



Terminal No.	2	Color of Wire	B/R	Signal Name [Specification]	-
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Connector No.	F14
Connector Name	ALTERNATOR
Connector Type	-



Terminal No.	1	Color of Wire	B/R	Signal Name [Specification]	-
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Connector No.	F15
Connector Name	ALTERNATOR
Connector Type	HS03FB



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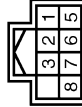





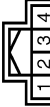



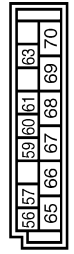

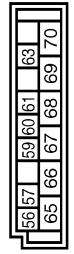
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# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BATTERY POWER SUPPLY

Connector No. M1	FUSE BLOCK (J/B)		
Connector Name			
Connector Type			
 			
Terminal No.	Color of Wire	Signal Name [Specification]	
1	W	-	
Connector No. M2	STEERING LOCK UNIT		
Connector Name			
Connector Type			
 			
Terminal No.	Color of Wire	Signal Name [Specification]	
1	BR/Y	S/L 12V (MECHANICAL)	
Connector No. M3	EPS CONTROL UNIT		
Connector Name			
Connector Type			
 			
Terminal No.	Color of Wire	Signal Name [Specification]	
17	R	BAT	
Connector No. M4	COMBINATION METER		
Connector Name			
Connector Type			
 			
Terminal No.	Color of Wire	Signal Name [Specification]	
27	LG	BATTERY POWER SUPPLY	
Connector No. M5	MATS ANTENNA AMP.		
Connector Name			
Connector Type			
 			
Terminal No.	Color of Wire	Signal Name [Specification]	
1	Y	BAT	
Connector No. M6	A/C AUTO AMP.		
Connector Name			
Connector Type			
 			
Terminal No.	Color of Wire	Signal Name [Specification]	
4	LG	BATTERY POWER SUPPLY	
Connector No. M7	BCM (BODY CONTROL MODULE) (WITH INTELLIGENT KEY)		
Connector Name			
Connector Type			
 			
Terminal No.	Color of Wire	Signal Name [Specification]	
57	Y	BAT (FUSE)	
70	Y	BAT (F/L)	
Connector No. M8	BCM (BODY CONTROL MODULE) (WITHOUT INTELLIGENT KEY)		
Connector Name			
Connector Type			
 			
Terminal No.	Color of Wire	Signal Name [Specification]	
57	Y	BAT (FUSE)	
70	Y	BAT (F/L)	

JCMWM4112GB



# POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >



## BATTERY POWER SUPPLY

Connector No.	M101
Connector Name	PUSH-BUTTON IGNITION SWITCH
Connector Type	TK08FBR


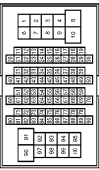
Terminal No.	3	Color of Wire	P	Signal Name [Specification]
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Connector No.	M78
Connector Name	WIRE TO WIRE
Connector Type	L02ME-MC



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

Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	TH8GPIV-CS16-TM4

Terminal No.	1	Color of Wire	B/O	Signal Name [Specification]
Terminal No.	47	Color of Wire	BR/Y	Signal Name [Specification]
Terminal No.	93	Color of Wire	Y	Signal Name [Specification]
Terminal No.	96	Color of Wire	Y	Signal Name [Specification]

Connector No.	M71
Connector Name	BCM (BODY CONTROL MODULE) (WITH INTELLIGENT KEY)
Connector Type	TH8GPIV-1N1

Terminal No.	105	Color of Wire	B/O	Signal Name [Specification]
Terminal No.	105	Color of Wire	B/O	STOP LAMP SW 2

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

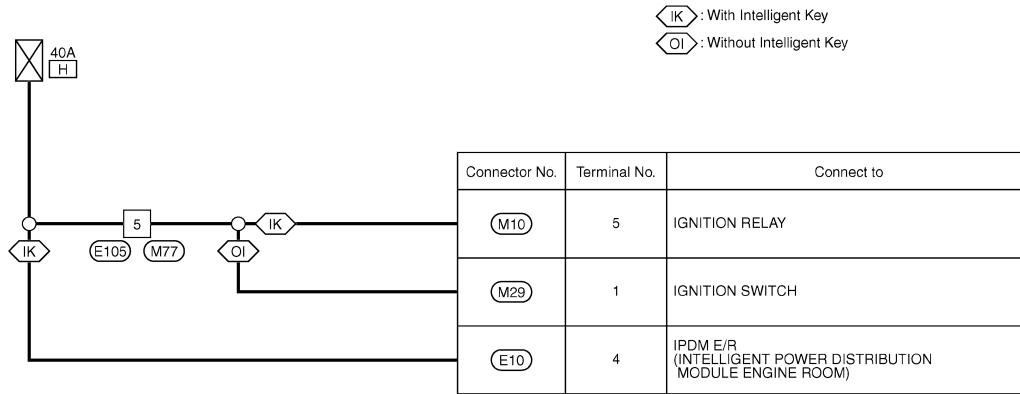
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Wiring Diagram - BATTERY POWER SUPPLY FUSIBLE LINK No. H - BATTERY POWER SUPPLY FUSIBLE LINK No. H

INFOID:000000005071619



2009/02/27

JCMWM4114GB




# POWER SUPPLY ROUTING CIRCUIT

## [POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

**BATTERY POWER SUPPLY FUSIBLE LINK No. H**

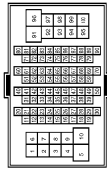
Connector No.	E10
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	MOBFV-LC



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


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



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


Connector No.	M10
Connector Name	IGNITION RELAY
Connector Type	MS22FL-M2-LC



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

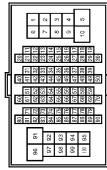
  

Connector No.	M29
Connector Name	IGNITION SWITCH
Connector Type	MOBFV-LC



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

Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4



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

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

# POWER SUPPLY ROUTING CIRCUIT

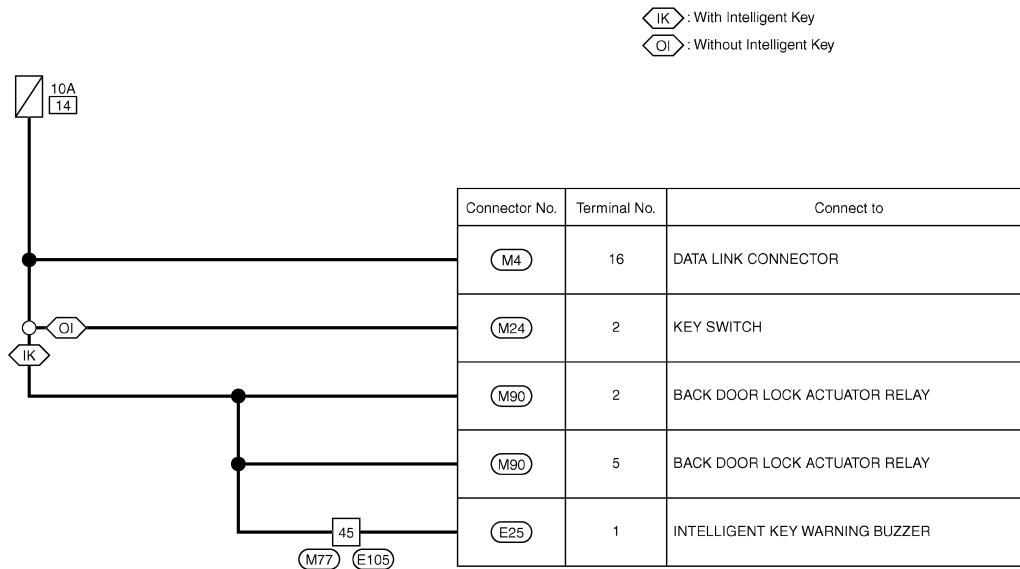
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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

INFOID:000000005071622

### BATTERY POWER SUPPLY FUSE No. 14



2009/02/27

JCMWM4116GB

# POWER SUPPLY ROUTING CIRCUIT

## [POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

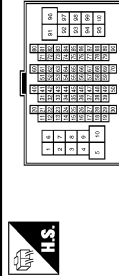
### BATTERY POWER SUPPLY FUSE No. 14

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



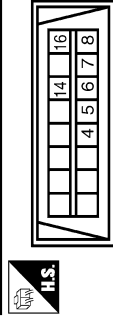
Terminal No.	1	V
Color of Wire		
Signal Name [Specification]		

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



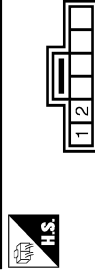
Terminal No.	45	V
Color of Wire		
Signal Name [Specification]		

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



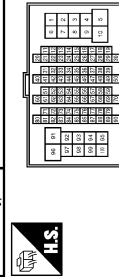
Terminal No.	16	LG/R
Color of Wire		
Signal Name [Specification]		

Connector No.	M24
Connector Name	KEY SWITCH
Connector Type	TK08MCY



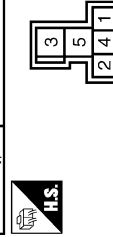
Terminal No.	2	LG/R
Color of Wire		
Signal Name [Specification]		

Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4



Terminal No.	45	LG/R
Color of Wire		
Signal Name [Specification]		

Connector No.	M90
Connector Name	BACK DOOR LOCK ACTUATOR RELAY
Connector Type	MS03FB-M2-LC



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

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

# POWER SUPPLY ROUTING CIRCUIT

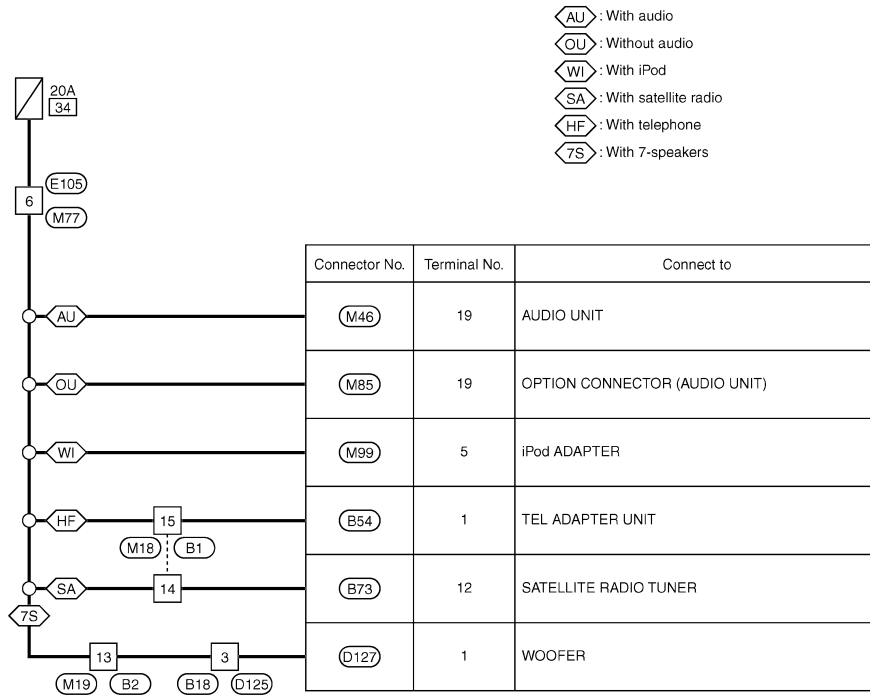
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 34 -

INFOID:000000005071623

### BATTERY POWER SUPPLY FUSE No. 34



2009/02/27

JCMWM4118GB

# POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

## BATTERY POWER SUPPLY FUSE No. 34

Connector No.	B1	Connector No.	B2	Connector No.	B18	Connector No.	B54
Connector Name	WIRE TO WIRE	Connector Name	WIRE TO WIRE	Connector Name	WIRE TO WIRE	Connector Name	TEL ADAPTER UNIT
Connector Type	NS16MW-CS	Connector Type	NS16MW-CS	Connector Type	NS10MW-CS10	Connector Type	TR62FW-NH

Terminal No.	Color of Wire	Signal Name [Specification]
14	SB	-
15	R	-

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

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

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

Connector No.	B73	Connector No.	D125	Connector No.	D127	Connector No.	E105
Connector Name	SATELLITE RADIO TUNER	Connector Name	WIRE TO WIRE	Connector Name	WOOFER	Connector Name	WIRE TO WIRE
Connector Type	A16FW	Connector Type	NH10FW-CS10	Connector Type	NS08FW-CS	Connector Type	TR60MW-CS16-TM4

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

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

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

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

JCMWM4119GB

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

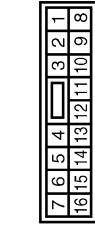
# POWER SUPPLY ROUTING CIRCUIT

## [POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

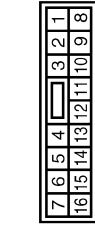
### BATTERY POWER SUPPLY FUSE No. 34

Connector No.	M18
Connector Name	WIRE TO WIRE
Connector Type	NS18FW-CS



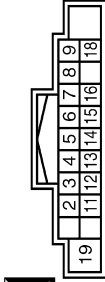
Terminal No.	Color of Wire	Signal Name [Specification]
14	L	-
15	L	-

Connector No.	M19
Connector Name	WIRE TO WIRE
Connector Type	NS19FW-CS



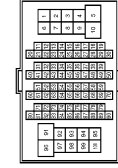
Terminal No.	Color of Wire	Signal Name [Specification]
13	L	-

Connector No.	M46
Connector Name	AUDIO UNIT
Connector Type	TH18FW-CSZ



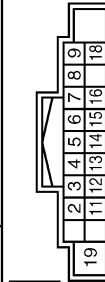
Terminal No.	Color of Wire	Signal Name [Specification]
19	L	BATTERY

Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS19-TM4



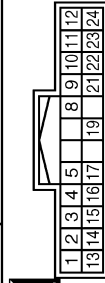
Terminal No.	Color of Wire	Signal Name [Specification]
6	L	-

Connector No.	M85
Connector Name	OPTION CONNECTOR (AUDIO UNIT)
Connector Type	TH18FW-CSZ



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

Connector No.	M89
Connector Name	IPod ADAPTER
Connector Type	TH24FW-NH



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

JCMWM4120GB

# POWER SUPPLY ROUTING CIRCUIT

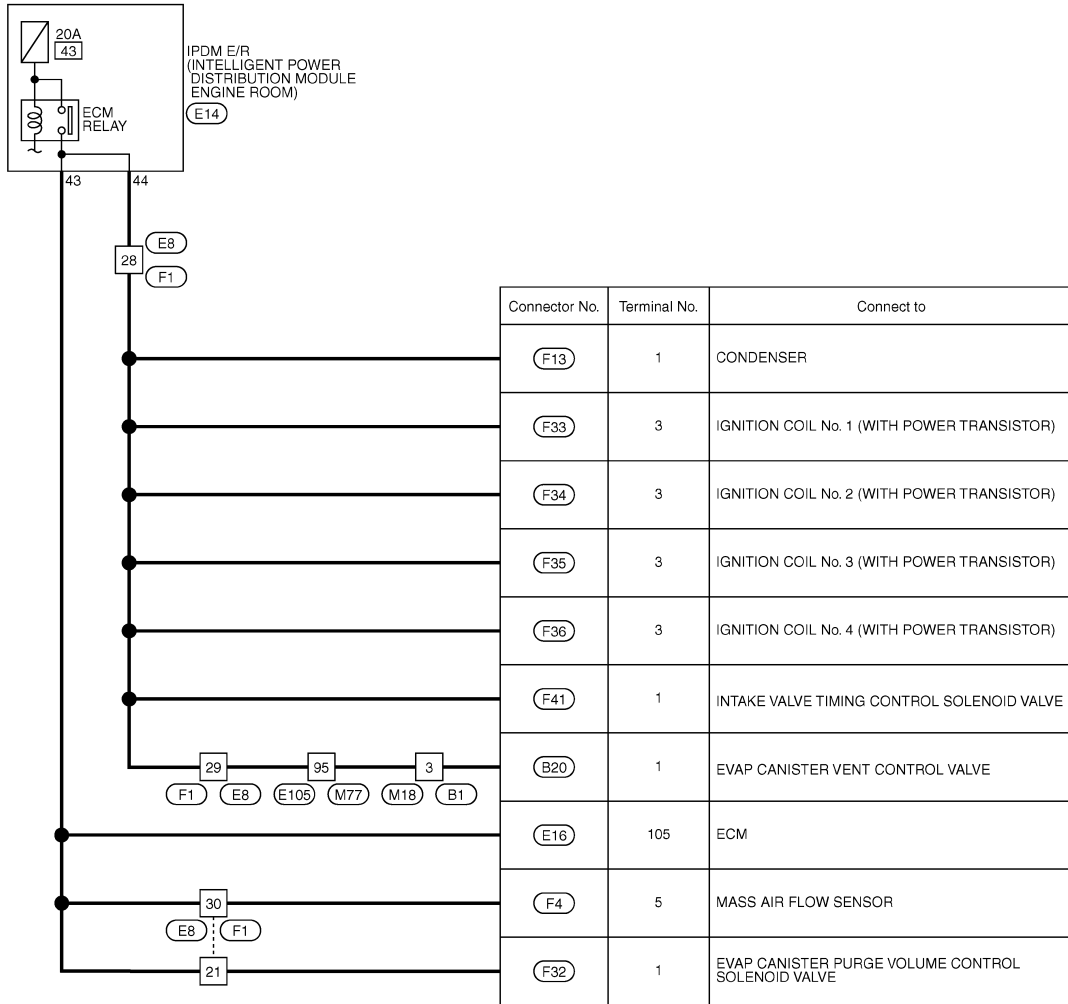
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 43 -

INFOID:000000005071624

### BATTERY POWER SUPPLY FUSE No. 43



2009/02/27

JCMWM4121GB

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

PG

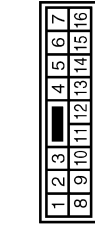
# POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

## BATTERY POWER SUPPLY FUSE No. 43

Connector No.	B1
Connector Name	WIRE TO WIRE
Connector Type	NS16MW-CS



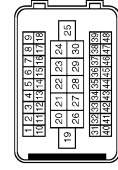
Terminal No.	3	Color of Wire	V	Signal Name [Specification]	-
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Connector No.	B20
Connector Name	EVAP CANISTER VENT CONTROL VALVE
Connector Type	E02FB-RS



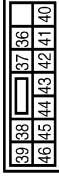
Terminal No.	1	Color of Wire	V	Signal Name [Specification]	-
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Connector No.	E8
Connector Name	WIRE TO WIRE
Connector Type	SAA38ME-RS10-SJZ2



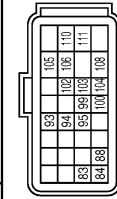
Terminal No.	21	Color of Wire	G	Signal Name [Specification]	-
	28	Color of Wire	P	Signal Name [Specification]	-
	29	Color of Wire	V	Signal Name [Specification]	-
	30	Color of Wire	G	Signal Name [Specification]	-

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



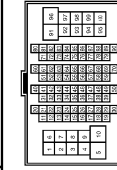
Terminal No.	43	Color of Wire	G	Signal Name [Specification]	-
	44	Color of Wire	P	Signal Name [Specification]	-

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



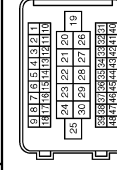
Terminal No.	105	Color of Wire	G	Signal Name [Specification]	VBR
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Connector No.	E05
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4



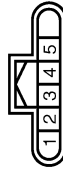
Terminal No.	95	Color of Wire	V	Signal Name [Specification]	-
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Connector No.	F1
Connector Name	WIRE TO WIRE
Connector Type	SAA38FB-RS10-SJZ2



Terminal No.	21	Color of Wire	G	Signal Name [Specification]	-
	28	Color of Wire	V	Signal Name [Specification]	-
	29	Color of Wire	V	Signal Name [Specification]	-
	30	Color of Wire	BR	Signal Name [Specification]	-

Connector No.	F4
Connector Name	MASS AIR FLOW SENSOR
Connector Type	RH08FB



Terminal No.	5	Color of Wire	BR	Signal Name [Specification]	-
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# POWER SUPPLY ROUTING CIRCUIT

## [POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

### BATTERY POWER SUPPLY FUSE No. 43

Connector No.	F13
Connector Name	CONDENSER
Connector Type	MD2PW-LC



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

Connector No.	F32
Connector Name	EVAP CANISTER PURGE VOLUME CONTROL SOLENOID VALVE
Connector Type	ED2FL-RS-LGY



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

Connector No.	F33
Connector Name	IGNITION COIL No. 1 (WITH POWER TRANSISTOR)
Connector Type	E03FGY-RS



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

Connector No.	F34
Connector Name	IGNITION COIL No. 2 (WITH POWER TRANSISTOR)
Connector Type	E03FGY-RS



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

Connector No.	F35
Connector Name	IGNITION COIL No. 3 (WITH POWER TRANSISTOR)
Connector Type	E03FGY-RS



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

Connector No.	F36
Connector Name	IGNITION COIL No. 4 (WITH POWER TRANSISTOR)
Connector Type	E03FGY-RS



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

Connector No.	F41
Connector Name	INTAKE VALVE TIMING CONTROL SOLENOID VALVE
Connector Type	ED2ZFG-RS-LGY



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

Connector No.	M18
Connector Name	WIRE TO WIRE
Connector Type	NS16FW-CS



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

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

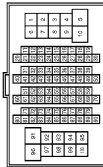
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BATTERY POWER SUPPLY FUSE No. 43

Connector No.	W77
Connector Name	WIRE TO WIRE
Connector Type	TH80FY-C516-TM4



Terminal No.	95	Color of Wire	L/W	Signal Name [Specification]	-
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JCMWM4124GB

# POWER SUPPLY ROUTING CIRCUIT

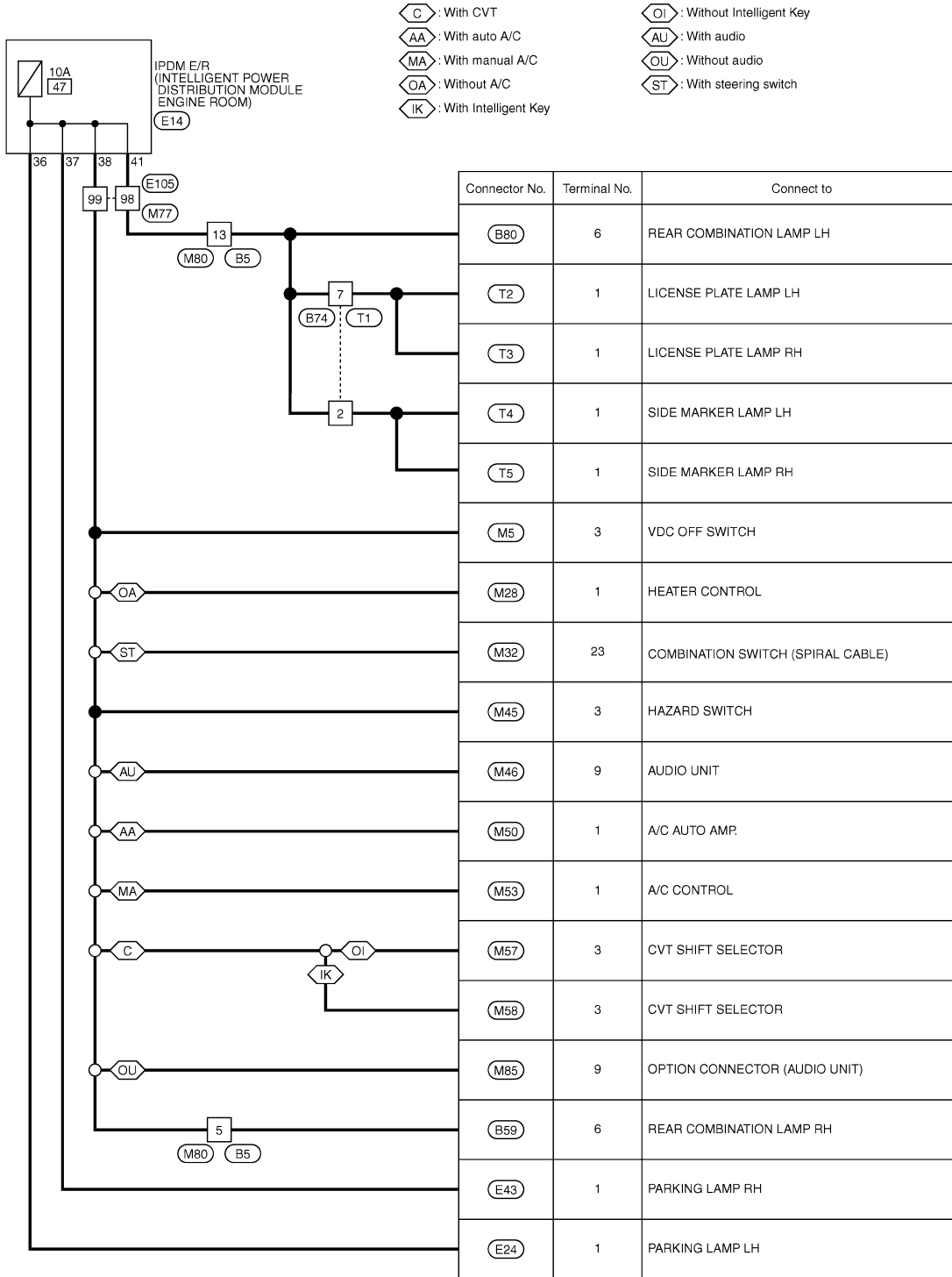
## [POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

### Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 47 -

INFOID:000000005071625

#### BATTERY POWER SUPPLY FUSE No. 47



2009/02/27

JCMWM4125GB

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

PG

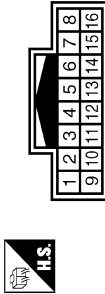
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BATTERY POWER SUPPLY FUSE No. 47

Connector No.	B5
Connector Name	WIRE TO WIRE
Connector Type	TH16MW-NH



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

Connector No.	B59
Connector Name	REAR COMBINATION LAMP RH
Connector Type	RS02FB-PR



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

Connector No.	B74
Connector Name	WIRE TO WIRE
Connector Type	RH10FB



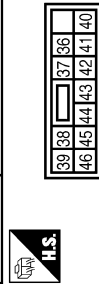
Terminal No.	Color of Wire	Signal Name [Specification]
2	GR	-
7	GR	-

Connector No.	B80
Connector Name	REAR COMBINATION LAMP LH
Connector Type	RS02FB-PR



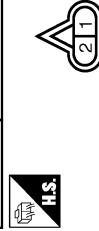
Terminal No.	Color of Wire	Signal Name [Specification]
6	GR	-

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



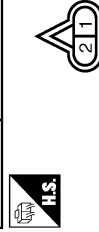
Terminal No.	Color of Wire	Signal Name [Specification]
36	O	-
37	V	-
38	G	-
41	SB	-

Connector No.	E24
Connector Name	PARKING LAMP LH
Connector Type	RK02FB



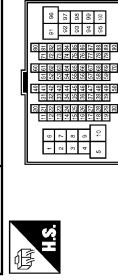
Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-

Connector No.	E43
Connector Name	PARKING LAMP RH
Connector Type	RK02FB



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

Connector No.	E105
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
98	SB	-
99	G	-

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BATTERY POWER SUPPLY FUSE No. 47

Connector No. M5	Connector Name VDC OFF SWITCH	Connector Type TK0BFGY		Terminal No. 3	Color of Wire W	Signal Name [Specification]	
Connector No. M28	Connector Name HEATER CONTROL	Connector Type TH18FW-NH		Terminal No. 1	Color of Wire W	Signal Name [Specification]	
Connector No. M32	Connector Name COMBINATION SWITCH (SPIRAL CABLE)	Connector Type TK0BFGY-EX-1V		Terminal No. 23	Color of Wire W	Signal Name [Specification]	
Connector No. M45	Connector Name HAZARD SWITCH	Connector Type TK0BFW		Terminal No. 3	Color of Wire W	Signal Name [Specification]	
Connector No. M46	Connector Name AUDIO UNIT	Connector Type TH18FW-CS2		Terminal No. 9	Color of Wire W	Signal Name [Specification]	ILLUMINATION CONTROL SIGNAL (+)
Connector No. M50	Connector Name A/C AUTO AMP.	Connector Type TK20BFGY		Terminal No. 1	Color of Wire W	Signal Name [Specification]	ILLUMINATION POWER SUPPLY
Connector No. M53	Connector Name A/C CONTROL	Connector Type TH18FW-NH		Terminal No. 1	Color of Wire W	Signal Name [Specification]	
Connector No. M57	Connector Name CVT SHIFT SELECTOR (WITHOUT INTELLIGENT KEY)	Connector Type TK0BFW-1V		Terminal No. 3	Color of Wire W	Signal Name [Specification]	

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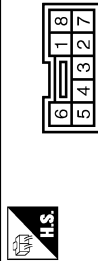
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

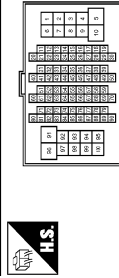
## BATTERY POWER SUPPLY FUSE No. 47

Connector No.	M58
Connector Name	CVT SHIFT SELECTOR (WITH INTELLIGENT KEY)
Connector Type	TK08FW



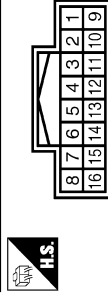
Terminal No.	3	W	Signal Name [Specification]	
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Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	TH86FW-CS/6-TM4



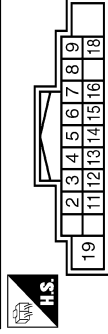
Terminal No.	98	BR/W	Signal Name [Specification]	
	99	W		

Connector No.	M80
Connector Name	WIRE TO WIRE
Connector Type	TH18FW-RH



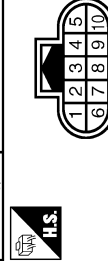
Terminal No.	5	W	Signal Name [Specification]	
	13	BR/W		

Connector No.	M85
Connector Name	OPTION CONNECTOR (AUDIO UNIT)
Connector Type	TH18FW-CS2



Terminal No.	9	W	Signal Name [Specification]	ILL(+)
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Connector No.	T1
Connector Name	WIRE TO WIRE
Connector Type	RH10MB



Terminal No.	2	GR	Signal Name [Specification]	
	7	W		

Connector No.	T2
Connector Name	LICENSE PLATE LAMP LH
Connector Type	RK02FBR



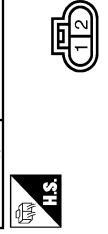
Terminal No.	1	W	Signal Name [Specification]	
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Connector No.	T3
Connector Name	LICENSE PLATE LAMP RH
Connector Type	RK02FBR



Terminal No.	1	GR	Signal Name [Specification]	
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Connector No.	T4
Connector Name	SIDE MARKER LAMP LH
Connector Type	HS02FG-W



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

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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**BATTERY POWER SUPPLY FUSE No. 47**

Connector No.	F15
Connector Name	SIDE MARKER LAMP RH
Connector Type	HS2FG-W



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

JCMWM4129GB

# POWER SUPPLY ROUTING CIRCUIT



< DTC/CIRCUIT DIAGNOSIS >

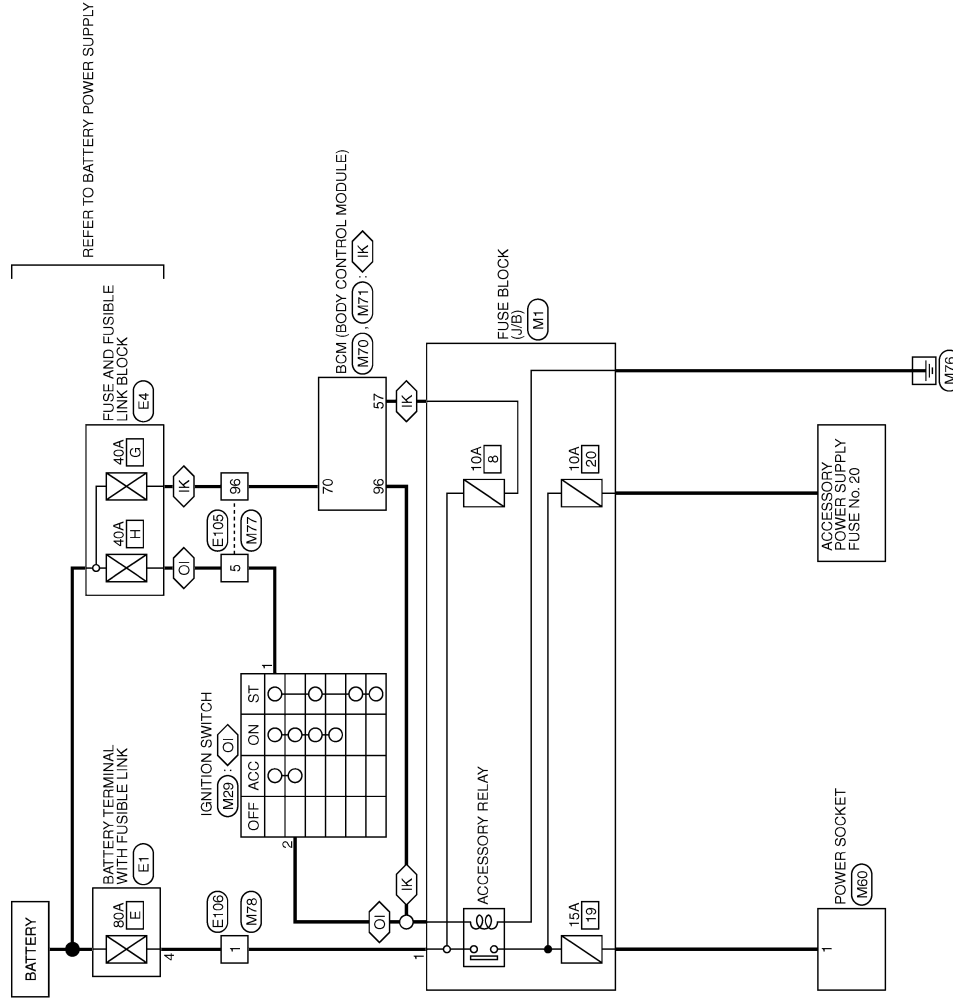
[POWER SUPPLY & GROUND CIRCUIT]

## Wiring Diagram - ACCESSORY POWER SUPPLY -

INFOID:000000005071627

### ACCESSORY POWER SUPPLY

 : With Intelligent Key  
 : Without Intelligent Key



REFER TO BATTERY POWER SUPPLY

2009/02/27

JCMWM4130GB
















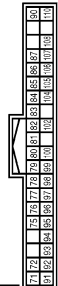


# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## ACCESSORY POWER SUPPLY

<table border="1"> <tr><td>Connector No.</td><td>E1</td></tr> <tr><td>Connector Name</td><td>BATTERY TERMINAL WITH FUSIBLE LINK</td></tr> <tr><td>Connector Type</td><td>L07FCY-MC</td></tr> </table>  	Connector No.	E1	Connector Name	BATTERY TERMINAL WITH FUSIBLE LINK	Connector Type	L07FCY-MC	<table border="1"> <tr><td>Terminal No.</td><td>4</td></tr> <tr><td>Color of Wire</td><td>W</td></tr> <tr><td>Signal Name [Specification]</td><td>-</td></tr> </table>	Terminal No.	4	Color of Wire	W	Signal Name [Specification]	-						
Connector No.	E1																		
Connector Name	BATTERY TERMINAL WITH FUSIBLE LINK																		
Connector Type	L07FCY-MC																		
Terminal No.	4																		
Color of Wire	W																		
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>TH8GMH-CS(B-TM4)</td></tr> </table>  	Connector No.	E105	Connector Name	WIRE TO WIRE	Connector Type	TH8GMH-CS(B-TM4)	<table border="1"> <tr><td>Terminal No.</td><td>5</td></tr> <tr><td>Color of Wire</td><td>P</td></tr> <tr><td>Signal Name [Specification]</td><td>-</td></tr> <tr><td>Terminal No.</td><td>96</td></tr> <tr><td>Color of Wire</td><td>LG</td></tr> <tr><td>Signal Name [Specification]</td><td>-</td></tr> </table>	Terminal No.	5	Color of Wire	P	Signal Name [Specification]	-	Terminal No.	96	Color of Wire	LG	Signal Name [Specification]	-
Connector No.	E105																		
Connector Name	WIRE TO WIRE																		
Connector Type	TH8GMH-CS(B-TM4)																		
Terminal No.	5																		
Color of Wire	P																		
Signal Name [Specification]	-																		
Terminal No.	96																		
Color of Wire	LG																		
Signal Name [Specification]	-																		
<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>L07FB-MC</td></tr> </table>  	Connector No.	E106	Connector Name	WIRE TO WIRE	Connector Type	L07FB-MC	<table border="1"> <tr><td>Terminal No.</td><td>1</td></tr> <tr><td>Color of Wire</td><td>W</td></tr> <tr><td>Signal Name [Specification]</td><td>-</td></tr> </table>	Terminal No.	1	Color of Wire	W	Signal Name [Specification]	-						
Connector No.	E106																		
Connector Name	WIRE TO WIRE																		
Connector Type	L07FB-MC																		
Terminal No.	1																		
Color of Wire	W																		
Signal Name [Specification]	-																		
<table border="1"> <tr><td>Connector No.</td><td>M1</td></tr> <tr><td>Connector Name</td><td>FUSE BLOCK (J/B)</td></tr> <tr><td>Connector Type</td><td>-</td></tr> </table>  	Connector No.	M1	Connector Name	FUSE BLOCK (J/B)	Connector Type	-	<table border="1"> <tr><td>Terminal No.</td><td>1</td></tr> <tr><td>Color of Wire</td><td>W</td></tr> <tr><td>Signal Name [Specification]</td><td>-</td></tr> </table>	Terminal No.	1	Color of Wire	W	Signal Name [Specification]	-						
Connector No.	M1																		
Connector Name	FUSE BLOCK (J/B)																		
Connector Type	-																		
Terminal No.	1																		
Color of Wire	W																		
Signal Name [Specification]	-																		
<table border="1"> <tr><td>Connector No.</td><td>M29</td></tr> <tr><td>Connector Name</td><td>IGNITION SWITCH</td></tr> <tr><td>Connector Type</td><td>M08FW-LC</td></tr> </table>  	Connector No.	M29	Connector Name	IGNITION SWITCH	Connector Type	M08FW-LC	<table border="1"> <tr><td>Terminal No.</td><td>1</td></tr> <tr><td>Color of Wire</td><td>L</td></tr> <tr><td>Signal Name [Specification]</td><td>-</td></tr> <tr><td>Terminal No.</td><td>2</td></tr> <tr><td>Color of Wire</td><td>G</td></tr> <tr><td>Signal Name [Specification]</td><td>-</td></tr> </table>	Terminal No.	1	Color of Wire	L	Signal Name [Specification]	-	Terminal No.	2	Color of Wire	G	Signal Name [Specification]	-
Connector No.	M29																		
Connector Name	IGNITION SWITCH																		
Connector Type	M08FW-LC																		
Terminal No.	1																		
Color of Wire	L																		
Signal Name [Specification]	-																		
Terminal No.	2																		
Color of Wire	G																		
Signal Name [Specification]	-																		
<table border="1"> <tr><td>Connector No.</td><td>M60</td></tr> <tr><td>Connector Name</td><td>POWER SOCKET</td></tr> <tr><td>Connector Type</td><td>P02FB-Z</td></tr> </table>  	Connector No.	M60	Connector Name	POWER SOCKET	Connector Type	P02FB-Z	<table border="1"> <tr><td>Terminal No.</td><td>1</td></tr> <tr><td>Color of Wire</td><td>V</td></tr> <tr><td>Signal Name [Specification]</td><td>-</td></tr> </table>	Terminal No.	1	Color of Wire	V	Signal Name [Specification]	-						
Connector No.	M60																		
Connector Name	POWER SOCKET																		
Connector Type	P02FB-Z																		
Terminal No.	1																		
Color of Wire	V																		
Signal Name [Specification]	-																		
<table border="1"> <tr><td>Connector No.</td><td>M70</td></tr> <tr><td>Connector Name</td><td>BCM (BODY CONTROL MODULE) (WITH INTELLIGENT KEY)</td></tr> <tr><td>Connector Type</td><td>FEA09FB-FHAG-SA</td></tr> </table>  	Connector No.	M70	Connector Name	BCM (BODY CONTROL MODULE) (WITH INTELLIGENT KEY)	Connector Type	FEA09FB-FHAG-SA	<table border="1"> <tr><td>Terminal No.</td><td>57</td></tr> <tr><td>Color of Wire</td><td>Y</td></tr> <tr><td>Signal Name [Specification]</td><td>BAT (FUSE)</td></tr> <tr><td>Terminal No.</td><td>70</td></tr> <tr><td>Color of Wire</td><td>Y</td></tr> <tr><td>Signal Name [Specification]</td><td>BAT (F/L)</td></tr> </table>	Terminal No.	57	Color of Wire	Y	Signal Name [Specification]	BAT (FUSE)	Terminal No.	70	Color of Wire	Y	Signal Name [Specification]	BAT (F/L)
Connector No.	M70																		
Connector Name	BCM (BODY CONTROL MODULE) (WITH INTELLIGENT KEY)																		
Connector Type	FEA09FB-FHAG-SA																		
Terminal No.	57																		
Color of Wire	Y																		
Signal Name [Specification]	BAT (FUSE)																		
Terminal No.	70																		
Color of Wire	Y																		
Signal Name [Specification]	BAT (F/L)																		
<table border="1"> <tr><td>Connector No.</td><td>M71</td></tr> <tr><td>Connector Name</td><td>BCM (BODY CONTROL MODULE) (WITH INTELLIGENT KEY)</td></tr> <tr><td>Connector Type</td><td>TH4DFW-NH</td></tr> </table>  	Connector No.	M71	Connector Name	BCM (BODY CONTROL MODULE) (WITH INTELLIGENT KEY)	Connector Type	TH4DFW-NH	<table border="1"> <tr><td>Terminal No.</td><td>96</td></tr> <tr><td>Color of Wire</td><td>BR/W</td></tr> <tr><td>Signal Name [Specification]</td><td>ACC RELAY CONT</td></tr> </table>	Terminal No.	96	Color of Wire	BR/W	Signal Name [Specification]	ACC RELAY CONT						
Connector No.	M71																		
Connector Name	BCM (BODY CONTROL MODULE) (WITH INTELLIGENT KEY)																		
Connector Type	TH4DFW-NH																		
Terminal No.	96																		
Color of Wire	BR/W																		
Signal Name [Specification]	ACC RELAY CONT																		

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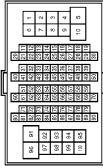
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## ACCESSORY POWER SUPPLY

Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	THB07V-C51.6-TM4



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

Connector No.	M78
Connector Name	WIRE TO WIRE
Connector Type	LC22MB-1MC



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

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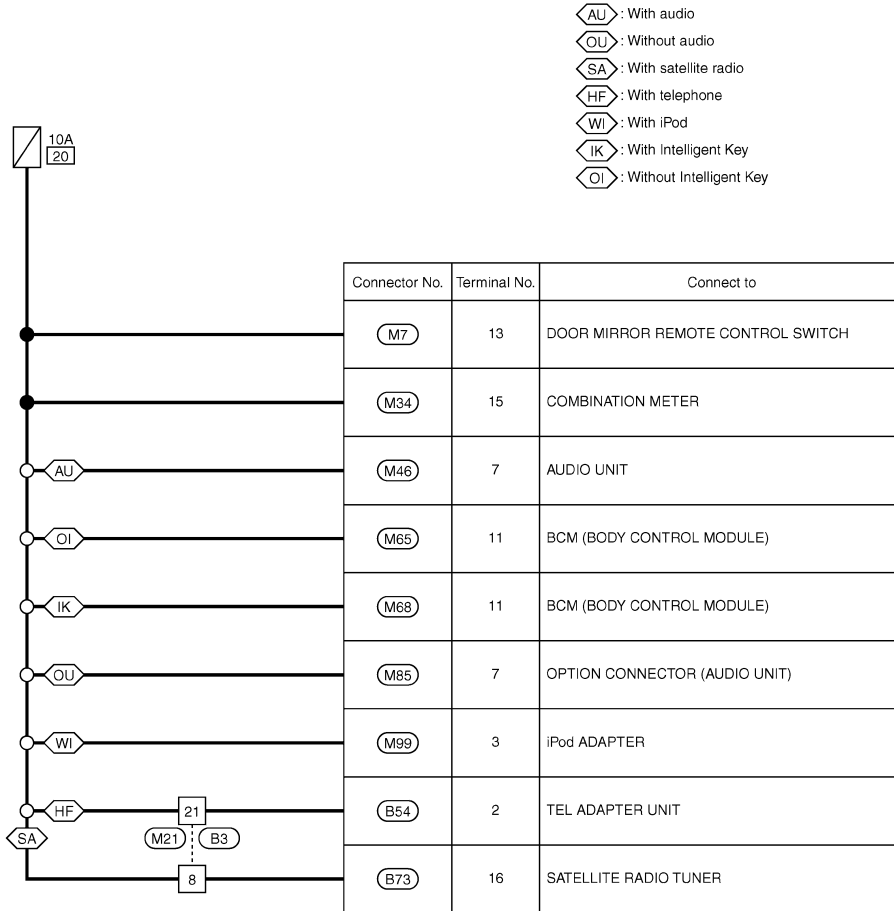
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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

INFOID:000000005071628



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2009/02/27

JCMWM4133GB

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## ACCESSORY POWER SUPPLY FUSE No. 20

Connector No. B3	WIRE TO WIRE TH2ZMW-NH		Terminal No. 8	Color of Wire V	Signal Name [Specification]	Terminal No. 21	Color of Wire L	Signal Name [Specification]
Connector No. B54	TEL ADAPTER UNIT TH32FW-NH		Terminal No. 2	L	ACC	Terminal No. 2	L	ACC
Connector No. B73	SATELLITE RADIO TUNER A18FW		Terminal No. 16	V	ACC	Terminal No. 16	V	ACC
Connector No. M7	DOOR MIRROR REMOTE CONTROL SWITCH TK16FW		Terminal No. 13	L/Y	Signal Name [Specification]	Terminal No. 13	L/Y	Signal Name [Specification]
Connector No. M21	WIRE TO WIRE TH32FW-NH		Terminal No. 8	L/Y	Signal Name [Specification]	Terminal No. 8	L/Y	Signal Name [Specification]
Connector No. M34	COMBINATION METER TH4QFW-NH		Terminal No. 15	L/Y	ACC POWER SUPPLY	Terminal No. 15	L/Y	ACC POWER SUPPLY
Connector No. M46	AUDIO UNIT TH18FW-GS2		Terminal No. 7	L/Y	ACC	Terminal No. 7	L/Y	ACC
Connector No. M65	ECM (BODY CONTROL MODULE) (WITHOUT INTELLIGENT KEY) TH4QFW-NH		Terminal No. 11	L/Y	Signal Name [Specification]	Terminal No. 11	L/Y	Signal Name [Specification]

JCMWM4134GB

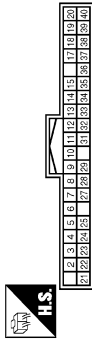
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

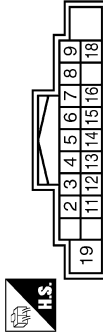
## ACCESSORY POWER SUPPLY FUSE No. 20

Connector No.	M86
Connector Name	BCM BODY CONTROL MODULE (WITH INTELLIGENT KEY)
Connector Type	TH40FB-NH



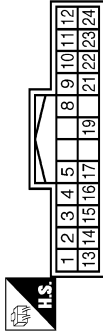
Terminal No.	11	Color of Wire	L/Y	Signal Name [Specification]	ACC F/B
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Connector No.	M85
Connector Name	OPTION CONNECTOR (AUDIO UNIT)
Connector Type	TH18PW-CSZ



Terminal No.	7	Color of Wire	L/Y	Signal Name [Specification]	ACC
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Connector No.	M89
Connector Name	iPod ADAPTER
Connector Type	TH24PW-NH



Terminal No.	3	Color of Wire	L/Y	Signal Name [Specification]	ACC
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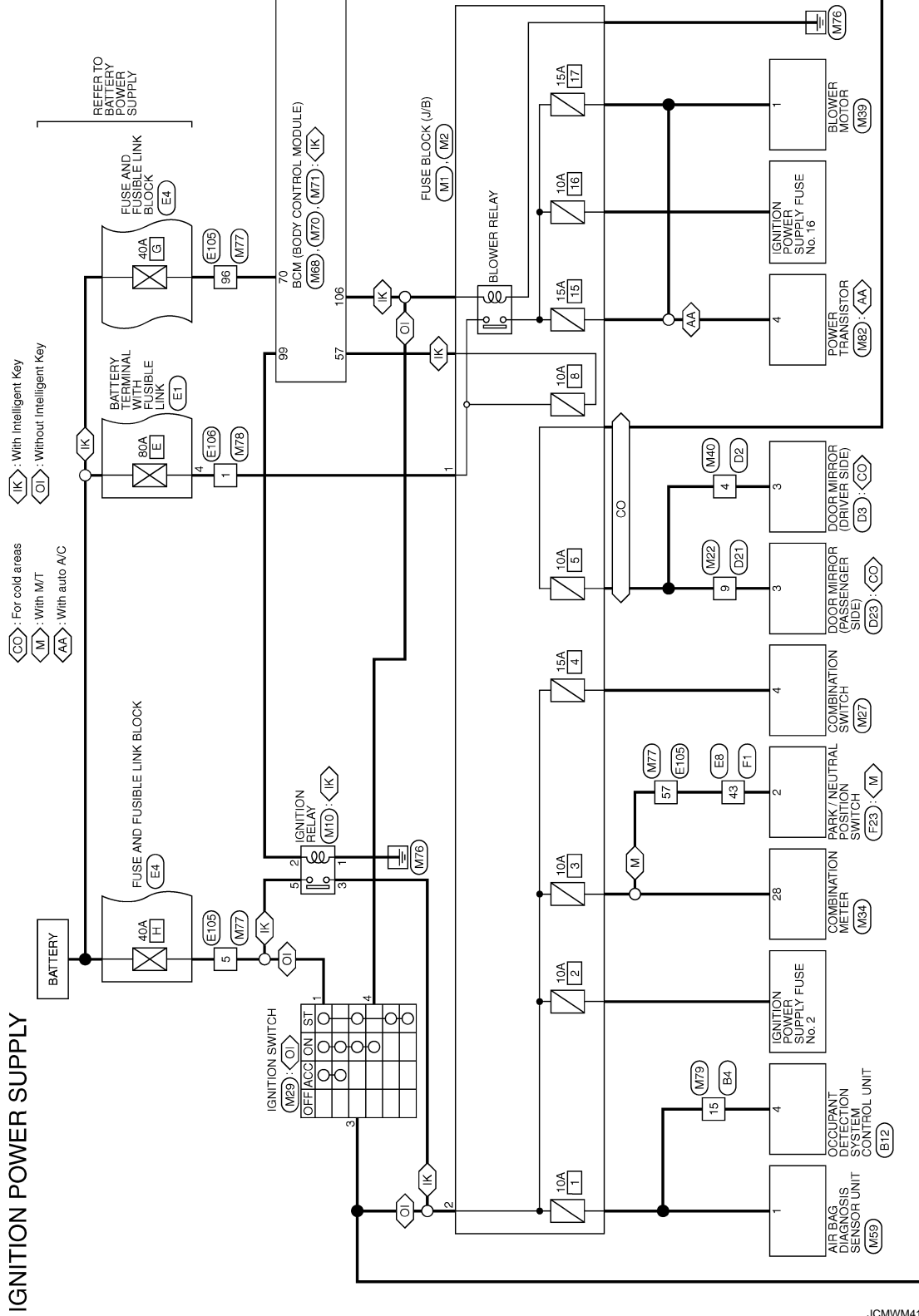
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Wiring Diagram - IGNITION POWER SUPPLY -

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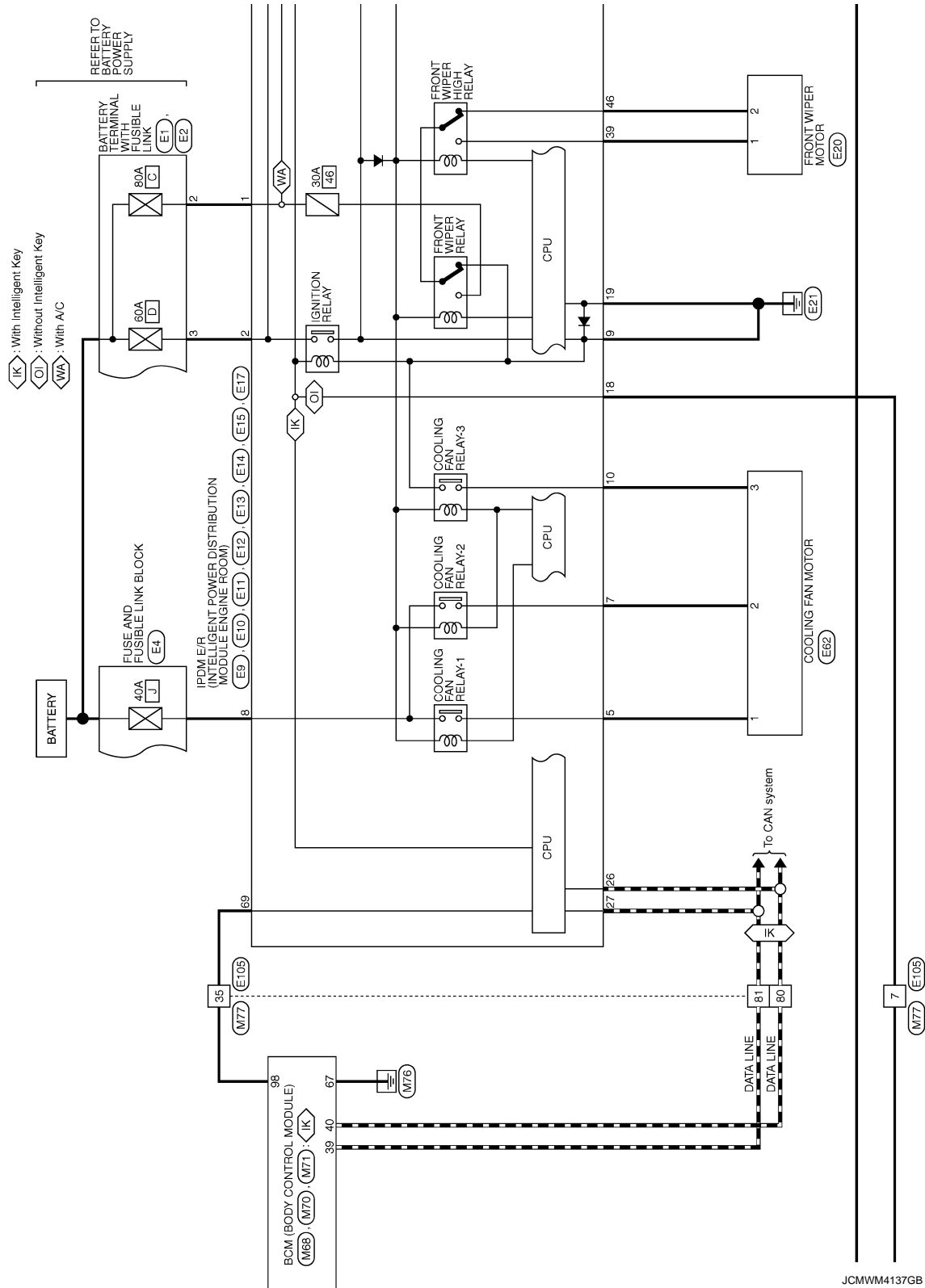
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# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]



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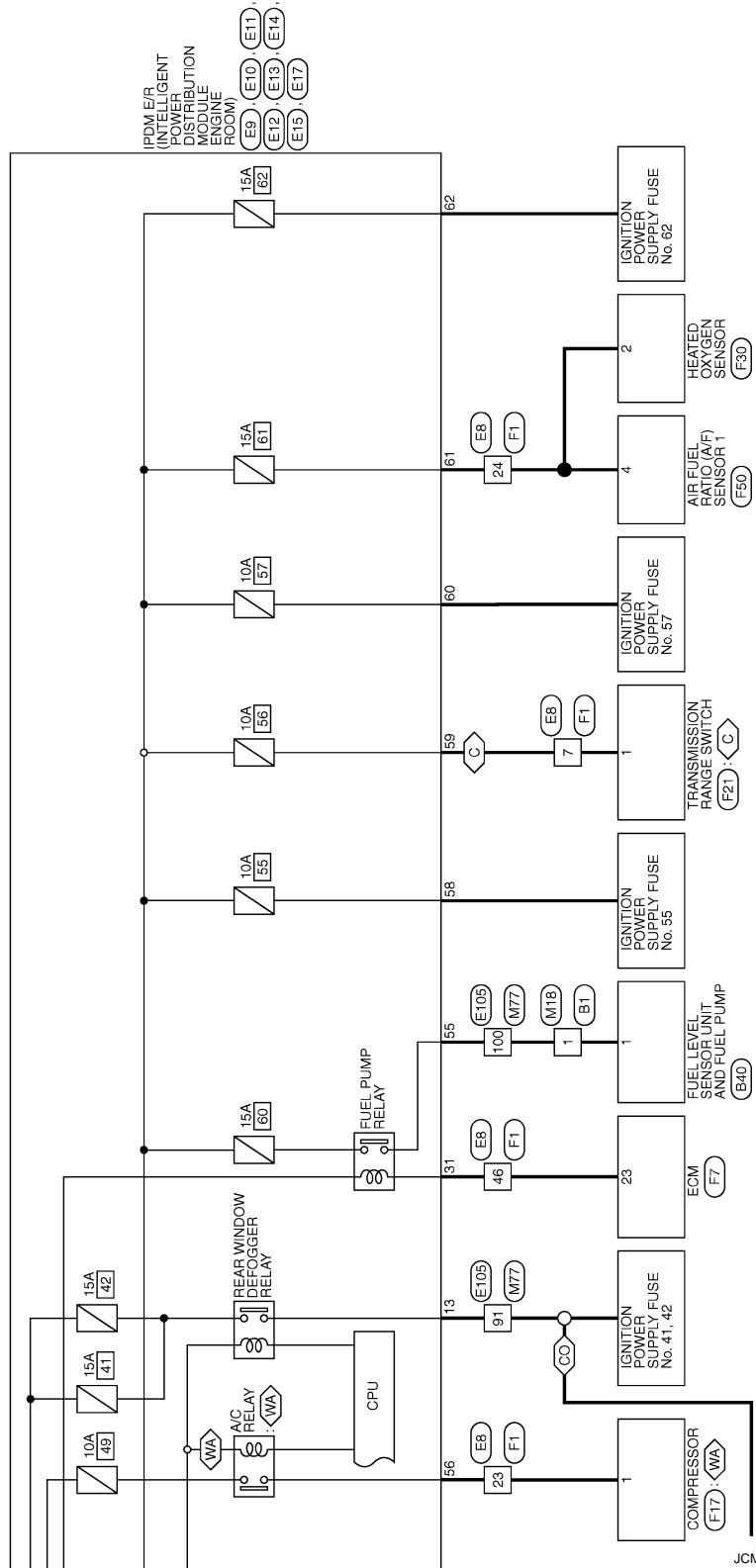
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# POWER SUPPLY ROUTING CIRCUIT

## [POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

◊CO◊ : For cold areas  
 ◊C◊ : With CVT  
 ◊WA◊ : With A/C



JCMWM4138GB

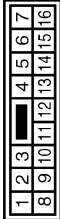

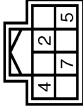


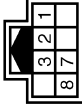
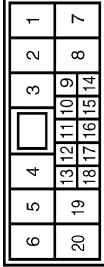
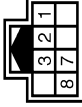


# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## IGNITION POWER SUPPLY

Connector No. BI	WIRE TO WIRE NS16MW-CS		Terminal No. 1	Color of Wire G	Signal Name [Specification]	
Connector No. B4	WIRE TO WIRE TH24MW-NH		Terminal No. 15	Color of Wire R	Signal Name [Specification]	
Connector No. B12	OCCUPANT DETECTION SYSTEM CONTROL UNIT TH08FW-NH		Terminal No. 4	Color of Wire R	Signal Name [Specification]	
Connector No. B40	FUEL LEVEL SENSOR UNIT AND FUEL PUMP E08FGY-RS		Terminal No. 1	Color of Wire G	Signal Name [Specification]	
Connector No. D2	WIRE TO WIRE NS10FW-CS		Terminal No. 4	Color of Wire G	Signal Name [Specification]	
Connector No. D3	DOOR MIRROR (DRIVER SIDE) TH08MW-NH		Terminal No. 3	Color of Wire G	Signal Name [Specification]	
Connector No. D21	WIRE TO WIRE NH10FW-CS10		Terminal No. 9	Color of Wire R	Signal Name [Specification]	
Connector No. D23	DOOR MIRROR (PASSENGER SIDE) TH08MW-NH		Terminal No. 3	Color of Wire R	Signal Name [Specification]	

JCMWM4139GB

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# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## IGNITION POWER SUPPLY

Connector No.	E1
Connector Name	BATTERY TERMINAL WITH FUSIBLE LINK
Connector Type	L02FGY-MC



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

Connector No.	E2
Connector Name	BATTERY TERMINAL WITH FUSIBLE LINK
Connector Type	L02FBR-MC



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

Connector No.	E3
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	L02FEB-MC



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

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



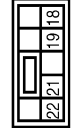
Terminal No.	Color of Wire	Signal Name [Specification]
5	LG	-
7	Y	-
8	V	-

Connector No.	E11
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	M08FB-LC



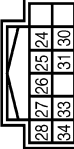
Terminal No.	Color of Wire	Signal Name [Specification]
9	B/W	-
10	L	-
13	W	-

Connector No.	E12
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	NS08FBR-CS



Terminal No.	Color of Wire	Signal Name [Specification]
18	Y	-
19	B/W	-

Connector No.	E13
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	TH13FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
26	P	-
27	L	-
31	W	-

JCMWM4140GB

# POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

## IGNITION POWER SUPPLY

Connector No.	E20
Connector Name	FRONT WIPER MOTOR
Connector Type	FXZQFSGY



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

Connector No.	E17
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	TH1JFB-NH



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

Connector No.	E15
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	NS1JFP-CS



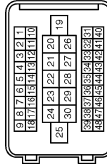
Terminal No.	Color of Wire	Signal Name [Specification]
55	P	
56	SS	
58	Y	-[With M/T]
58	R	-[With CVT]
59	Y	
60	V	
61	W	
62	L	

Connector No.	E14
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	NS1ZFB-CS



Terminal No.	Color of Wire	Signal Name [Specification]
39	V	
46	O	

Connector No.	F1
Connector Name	WIRE TO WIRE
Connector Type	SAA3RFB-RS10-SJ2Z

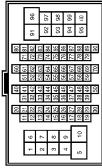


Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	L02FB-MC



Terminal No.	Color of Wire	Signal Name [Specification]
7	V	
23	W	
24	R	
43	R	
46	GR	

Connector No.	E105
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
5	P	
7	Y	
35	Y	
57	LG	
80	P	
81	L	
91	W	
96	LG	
100	P	

Connector No.	EB2
Connector Name	COOLING FAN MOTOR
Connector Type	RSDMFGY-PR



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	
2	Y	
3	L	

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# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## IGNITION POWER SUPPLY

Connector No. F7	ECM	RH24FGY-R28-R-BH		Terminal No. 23	Color of Wire GR	Signal Name [Specification] FPR
Connector No. F17	COMPRESSOR	RS01FB		Terminal No. 1	Color of Wire W	Signal Name [Specification] MAGNET CLUTCH POWER SUPPLY
Connector No. F21	TRANSMISSION RANGE SWITCH	RK6BFG		Terminal No. 1	Color of Wire R	Signal Name [Specification]
Connector No. F23	PARK / NEUTRAL POSITION SWITCH	FEA03FG		Terminal No. 2	Color of Wire R	Signal Name [Specification]
Connector No. F30	HEATED OXYGEN SENSOR	AFZ04FB-P		Terminal No. 2	Color of Wire R	Signal Name [Specification]
Connector No. F50	AIR FUEL RATIO (A/F) SENSOR 1	AFZ04FGY-P		Terminal No. 4	Color of Wire R	Signal Name [Specification]
Connector No. M1	FUSE BLOCK (J/B)			Terminal No. 1	Color of Wire W	Signal Name [Specification]
Connector No. M2	FUSE BLOCK (J/B)			Terminal No. 2	Color of Wire W/R	Signal Name [Specification] --[With Intelligent Key] --[Without Intelligent Key]

JCMWM4142GB

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## IGNITION POWER SUPPLY

Connector No.	M1D
Connector Name	IGNITION RELAY
Connector Type	MS2FL-MZ-LC



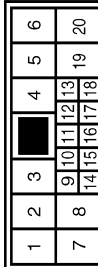
Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
2	W/R	-
3	W/B	-
5	L	-

Connector No.	M18
Connector Name	WIRE TO WIRE
Connector Type	NS10FW-CS



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

Connector No.	M22
Connector Name	WIRE TO WIRE
Connector Type	NH10MW-CS-10



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

Connector No.	M27
Connector Name	COMBINATION SWITCH
Connector Type	TH18FW-NH



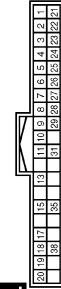
Terminal No.	Color of Wire	Signal Name [Specification]
4	W	IGN

Connector No.	M29
Connector Name	IGNITION SWITCH
Connector Type	M08FW-LC



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
3	W/R	-
4	Y/B	-

Connector No.	M34
Connector Name	COMBINATION METER
Connector Type	TH40FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
28	GR	IGNITION SIGNAL

Connector No.	M39
Connector Name	BLOWER MOTOR
Connector Type	TM02FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	BLOWER MOTOR POWER SUPPLY

Connector No.	M40
Connector Name	WIRE TO WIRE
Connector Type	NS10MW-CS



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

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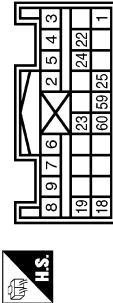
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

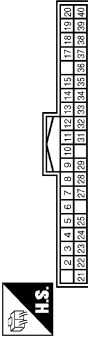
## IGNITION POWER SUPPLY

Connector No.	M59
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	1H28FY-EX



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

Connector No.	M68
Connector Name	ECM (BODY CONTROL MODULE) (WITH INTELLIGENT KEY)
Connector Type	1H40FB-NH



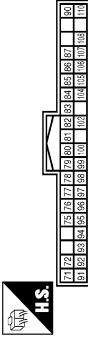
Terminal No.	39	Color of Wire	L	Signal Name [Specification]
	40	P		CAN-H
				CAN-L

Connector No.	M70
Connector Name	ECM (BODY CONTROL MODULE) (WITH INTELLIGENT KEY)
Connector Type	FEA09FB-FHA6-SA



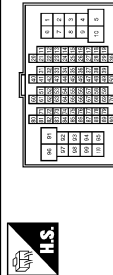
Terminal No.	57	Color of Wire	Y	Signal Name [Specification]
	67	B		BAT (FUSE)
	70	Y		BAT (F/L)

Connector No.	M71
Connector Name	ECM (BODY CONTROL MODULE) (WITH INTELLIGENT KEY)
Connector Type	1H40FW-NH



Terminal No.	98	Color of Wire	BR	Signal Name [Specification]
	99	W/R		IGN RELAY (IPDM E/R) CONT
	106	Y/B		IGN RELAY CONT
				BLOWER FAN MOTOR RELAY CONT

Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4



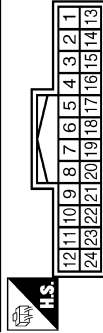
Terminal No.	5	Color of Wire	L	Signal Name [Specification]
	7	W/R		
	35	BR		
	57	GR		
	80	P		
	81	L		
	91	R		
	96	Y		
	100	G/R		

Connector No.	M78
Connector Name	WIRE TO WIRE
Connector Type	L02MB-MC



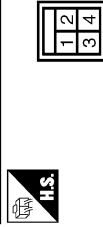
Terminal No.	1	Color of Wire	W	Signal Name [Specification]

Connector No.	M79
Connector Name	WIRE TO WIRE
Connector Type	1H24FW-NH



Terminal No.	15	Color of Wire	R/L	Signal Name [Specification]

Connector No.	M82
Connector Name	POWER TRANSISTOR
Connector Type	1M04FW-LC



Terminal No.	4	Color of Wire	Y	Signal Name [Specification]
				IGNITION POWER SUPPLY

JCMWM4144GB

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

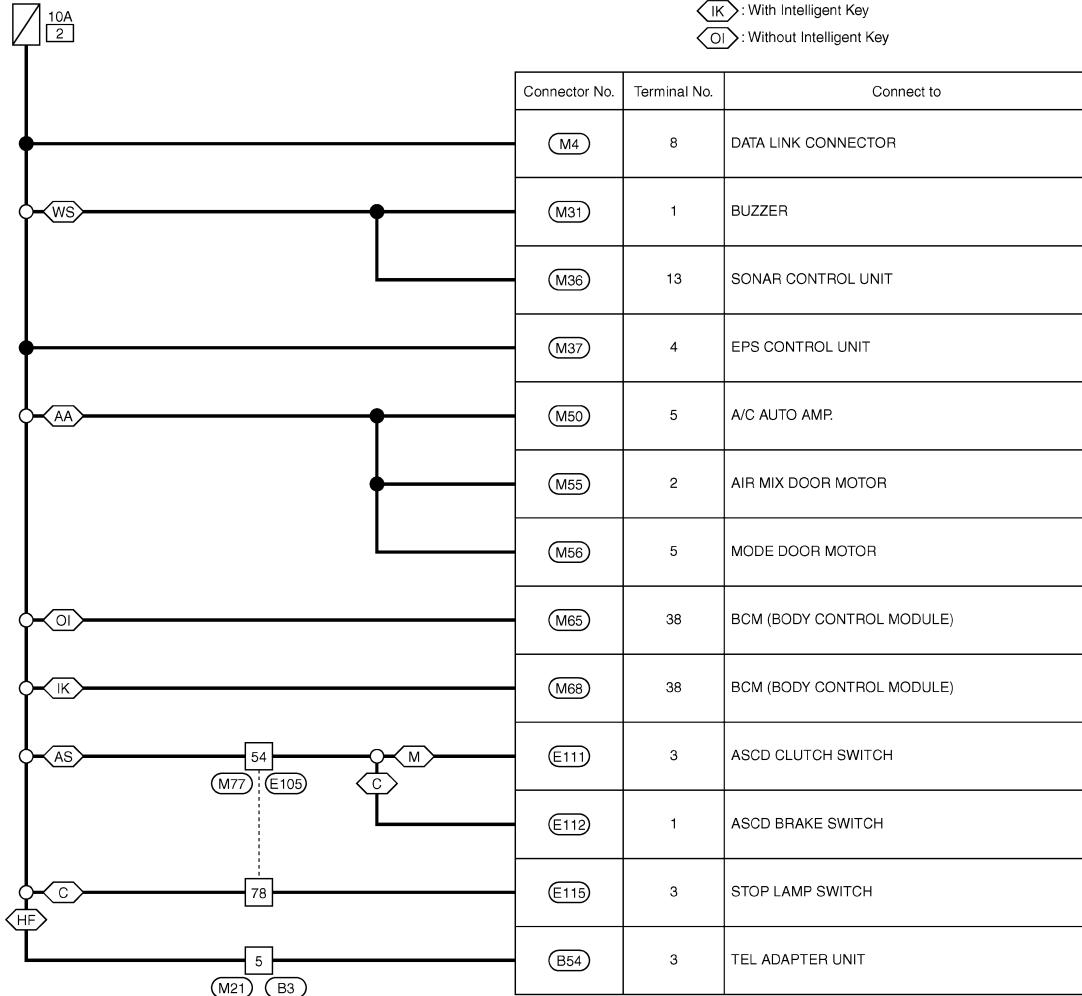
[POWER SUPPLY & GROUND CIRCUIT]

## Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 2 -

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### IGNITION POWER SUPPLY FUSE No. 2

- : With CVT
- : With M/T
- : With ASCD
- : With sonar system
- : With telephone
- : With auto A/C
- : With Intelligent Key
- : Without Intelligent Key



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
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## IGNITION POWER SUPPLY FUSE No. 2

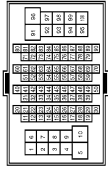
Connector No.	E11
Connector Name	ASCOD CLUTCH SWITCH
Connector Type	IMAFW-LC



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


Connector No.	E105
Connector Name	WIRE TO WIRE
Connector Type	TH2DMW-CS18-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
54	W	[With CVT]
54	O	[With M/T]
78	O	


Connector No.	E15
Connector Name	STOP LAMP SWITCH (WITH CVT)
Connector Type	MD4FW-LC



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

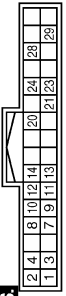
Connector No.	E12
Connector Name	ASCOD BRAKE SWITCH
Connector Type	MD2FBR-LC



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

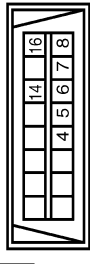
Connector No.	E115
Connector Name	TEL ADAPTER UNIT
Connector Type	TH32FW-NH



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

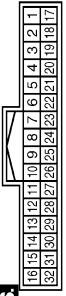
Connector No.	M4
Connector Name	DATA LINK CONNECTOR
Connector Type	BD16FW



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

Connector No.	M21
Connector Name	WIRE TO WIRE
Connector Type	TH32FW-NH



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

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# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

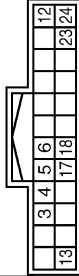
## IGNITION POWER SUPPLY FUSE No. 2

Connector No.	M31
Connector Name	BUZZER
Connector Type	RK02FBR



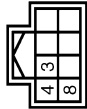
Terminal No.	1	Color of Wire	O	Signal Name [Specification]	-
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Connector No.	M35
Connector Name	SONAR CONTROL UNIT
Connector Type	TH24FW-NH



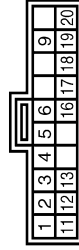
Terminal No.	13	Color of Wire	O	Signal Name [Specification]	IGNITION POWER SUPPLY
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Connector No.	M37
Connector Name	EPS CONTROL UNIT
Connector Type	TH08FB



Terminal No.	4	Color of Wire	O	Signal Name [Specification]	IGN
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Connector No.	M60
Connector Name	A/C AUTO AMP.
Connector Type	TK20FGY



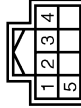
Terminal No.	5	Color of Wire	O	Signal Name [Specification]	IGNITION POWER SUPPLY
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Connector No.	M55
Connector Name	AIR MIX DOOR MOTOR
Connector Type	MAA08FB



Terminal No.	2	Color of Wire	O	Signal Name [Specification]	IGNITION POWER SUPPLY
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Connector No.	M56
Connector Name	MODE DOOR MOTOR
Connector Type	TH08FW-NH



Terminal No.	5	Color of Wire	O	Signal Name [Specification]	IGNITION POWER SUPPLY
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Connector No.	M65
Connector Name	BCM (BODY CONTROL MODULE) (WITHOUT INTELLIGENT KEY)
Connector Type	TH40FW-NH



Terminal No.	38	Color of Wire	O	Signal Name [Specification]	IGN
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Connector No.	M68
Connector Name	BCM (BODY CONTROL MODULE) (WITH INTELLIGENT KEY)
Connector Type	TH40FB-NH



Terminal No.	38	Color of Wire	O	Signal Name [Specification]	IGN F/B
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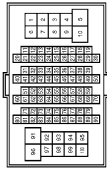
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## IGNITION POWER SUPPLY FUSE No. 2

Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	THB07V-C516-TM4



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

JCMWM4148GB

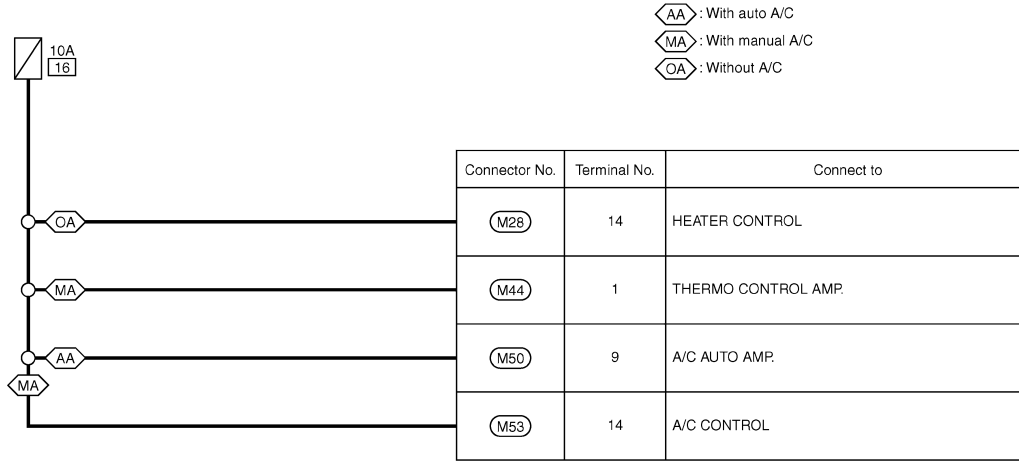
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 16 - IGNITION POWER SUPPLY FUSE No. 16

INFOID:000000005071631



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JCMWM4149GB

# POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

## IGNITION POWER SUPPLY FUSE No. 16

Connector No.	M28	Connector No.	M44	Terminal No.	14
Connector Name	HEATER CONTROL	Connector Name	THERMO CONTROL AMP.	Color of Wire	Y
Connector Type	TH16FW-NH	Connector Type	S06FW	Signal Name [Specification]	-
Terminal No.	14	Terminal No.	1	Terminal No.	9
Color of Wire	Y	Color of Wire	Y	Color of Wire	Y
Signal Name [Specification]	-	Signal Name [Specification]	-	Signal Name [Specification]	IGNITION POWER SUPPLY

JCMWM4150GB

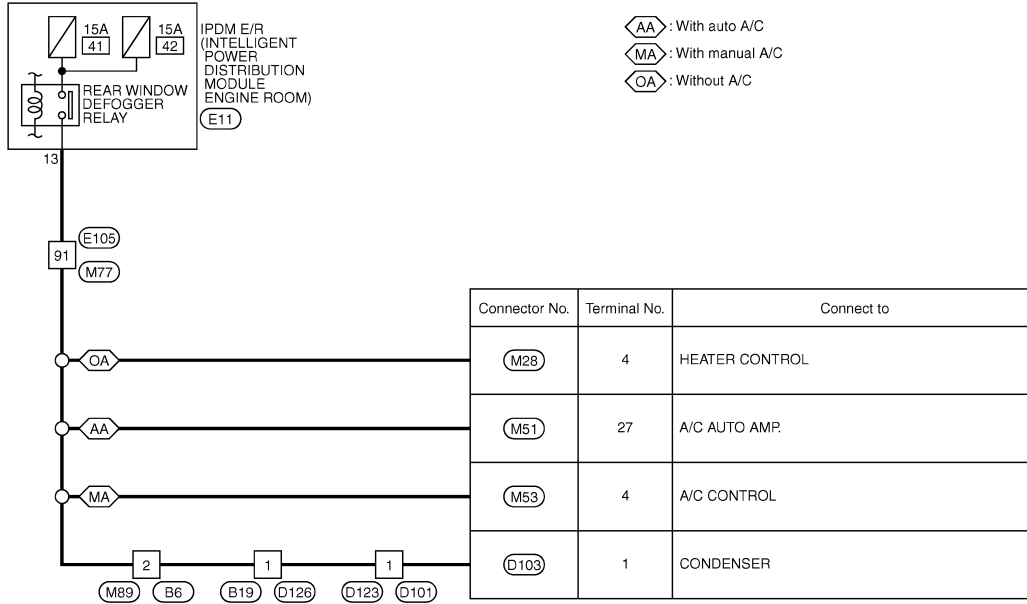
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 41, 42 - IGNITION POWER SUPPLY FUSE No. 41, 42

INFOID:000000005071632



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JCMWM4151GB

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## IGNITION POWER SUPPLY FUSE No. 41, 42

Connector No.	B6	Connector No.	B19	Connector No.	D101	Connector No.	D103
Connector Name	WIRE TO WIRE	Connector Name	WIRE TO WIRE	Connector Name	WIRE TO WIRE	Connector Name	CONDENSER
Connector Type	M02FW-LC	Connector Type	M04MW-LC	Connector Type	M02MW-LC	Connector Type	F01FB-A

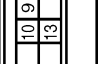
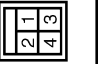
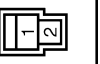
Terminal No.	2	Terminal No.	1	Terminal No.	1	Terminal No.	1
Color of Wire	R	Color of Wire	R	Color of Wire	R	Color of Wire	R
Signal Name [Specification]		Signal Name [Specification]		Signal Name [Specification]		Signal Name [Specification]	



Connector No.	D123	Connector No.	D128	Connector No.	E11	Connector No.	E105
Connector Name	WIRE TO WIRE	Connector Name	WIRE TO WIRE	Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)	Connector Name	WIRE TO WIRE
Connector Type	M02FW-LC	Connector Type	M04FW-LC	Connector Type	M06FE-LC	Connector Type	T-H08MY-C516-TM4

Terminal No.	1	Terminal No.	1	Terminal No.	13	Terminal No.	91
Color of Wire	R	Color of Wire	R	Color of Wire	W	Color of Wire	W
Signal Name [Specification]		Signal Name [Specification]		Signal Name [Specification]		Signal Name [Specification]	



JCMWM4152GB

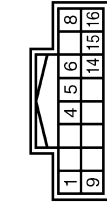
# POWER SUPPLY ROUTING CIRCUIT

## [POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

### IGNITION POWER SUPPLY FUSE No. 41, 42

Connector No.	M28
Connector Name	HEATER CONTROL
Connector Type	TH18FW-NH



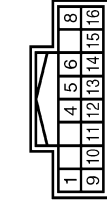
Terminal No.	4	R	Signal Name [Specification]
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Connector No.	M51
Connector Name	A/C AUTO AMP.
Connector Type	TK18FGY



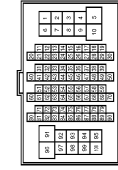
Terminal No.	27	R	Signal Name [Specification]
			REAR WINDOW DEFOGGER F/B SIGNAL

Connector No.	M53
Connector Name	A/C CONTROL
Connector Type	TH18FW-NH



Terminal No.	4	R	Signal Name [Specification]
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Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS (P-TM4)



Terminal No.	91	R	Signal Name [Specification]
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Connector No.	M89
Connector Name	WIRE TO WIRE
Connector Type	MG4FW-LC



Terminal No.	2	R	Signal Name [Specification]
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A  
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# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

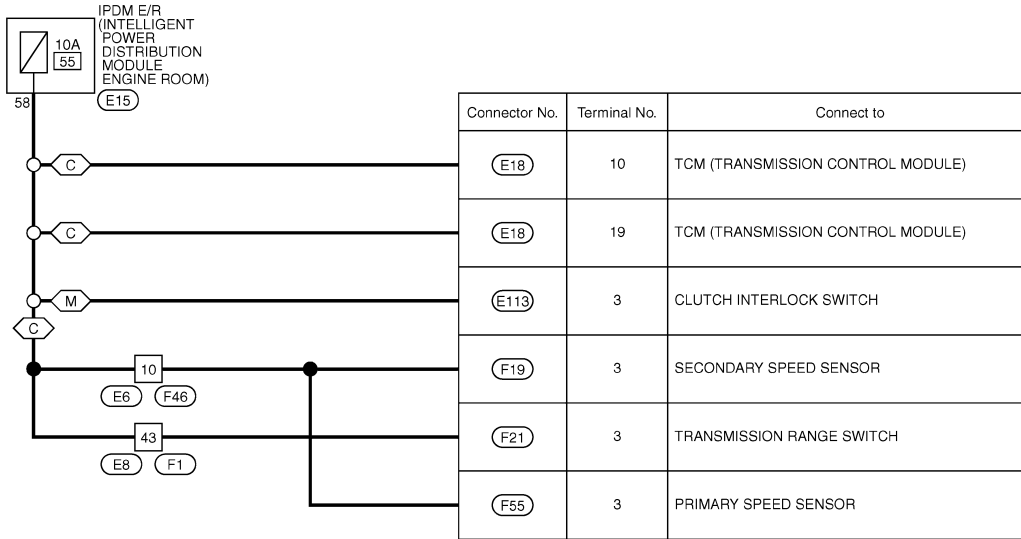
[POWER SUPPLY & GROUND CIRCUIT]

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

INFOID:000000005092612

### IGNITION POWER SUPPLY FUSE No. 55

⬡ : With CVT  
⬡ : With M/T



2009/02/27

JCMWM4154GB



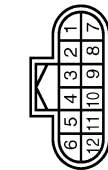
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

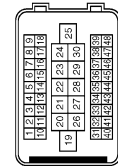
## IGNITION POWER SUPPLY FUSE No. 55

Connector No.	E6
Connector Name	WIRE TO WIRE
Connector Type	RH2FB



Terminal No.	10	R	Signal Name [Specification]	
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Connector No.	E8
Connector Name	WIRE TO WIRE
Connector Type	SAA38MB-RS10-SJZZ



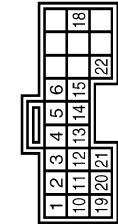
Terminal No.	43	R	Signal Name [Specification]	- [With CVT]
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Connector No.	E15
Connector Name	SPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	RS18FW-CS



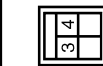
Terminal No.	58	Y	Signal Name [Specification]	- [With M/T]
	58	R		- [With CVT]

Connector No.	E18
Connector Name	TCM (TRANSMISSION CONTROL MODULE)
Connector Type	TK24FW



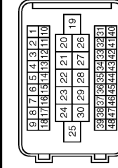
Terminal No.	10	R	Signal Name [Specification]	
	19	R		

Connector No.	E13
Connector Name	CLUTCH INTERLOCK SWITCH
Connector Type	MG4FW-LC



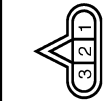
Terminal No.	3	Y	Signal Name [Specification]	
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Connector No.	F1
Connector Name	WIRE TO WIRE
Connector Type	SAA38FB-RS10-SJZZ



Terminal No.	43	R	Signal Name [Specification]	
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Connector No.	F19
Connector Name	SECONDARY SPEED SENSOR
Connector Type	RK03FB



Terminal No.	3	R	Signal Name [Specification]	
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Connector No.	F21
Connector Name	TRANSMISSION RANGE SWITCH
Connector Type	RK08FG



Terminal No.	3	R	Signal Name [Specification]	
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A  
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K  
L  
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P

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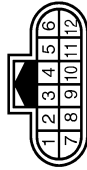
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## IGNITION POWER SUPPLY FUSE No. 55

Connector No.	F46
Connector Name	WIRE TO WIRE
Connector Type	RH12MB



Terminal No.	10	Color of Wire	R	Signal Name [Specification]	-
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Connector No.	F55
Connector Name	PRIMARY SPEED SENSOR
Connector Type	RK03FB



Terminal No.	3	Color of Wire	R	Signal Name [Specification]	-
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JCMWM4156GB

# POWER SUPPLY ROUTING CIRCUIT

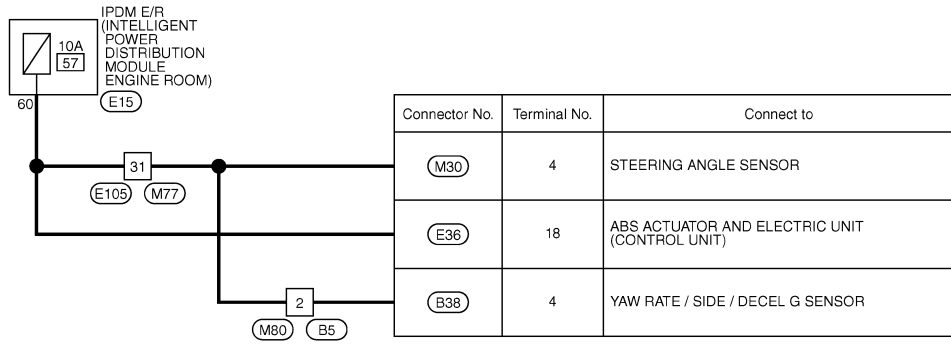
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 57 -

INFOID:000000005092613

### IGNITION POWER SUPPLY FUSE No. 57



A  
B  
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2009/02/27

JCMWM4157GB

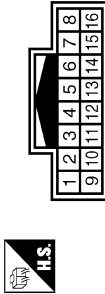
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## IGNITION POWER SUPPLY FUSE No. 57

Connector No.	B5
Connector Name	WIRE TO WIRE
Connector Type	TH16MW-NH



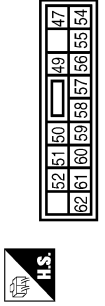
Terminal No.	2	Color of Wire	GR	Signal Name [Specification]	-
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Connector No.	B38
Connector Name	YAW RATE / SIDE / DECEL G SENSOR
Connector Type	AAZQAFB



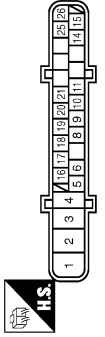
Terminal No.	4	Color of Wire	GR	Signal Name [Specification]	IGN
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Connector No.	E15
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	NS16FW-CS



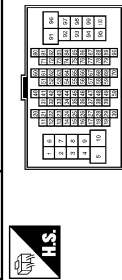
Terminal No.	60	Color of Wire	V	Signal Name [Specification]	-
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Connector No.	E36
Connector Name	ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT)
Connector Type	BAAZ2FB-AHZ4-PH



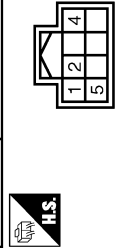
Terminal No.	18	Color of Wire	V	Signal Name [Specification]	IGN
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Connector No.	E105
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16F-TM4



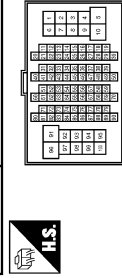
Terminal No.	31	Color of Wire	V	Signal Name [Specification]	-
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Connector No.	M30
Connector Name	STEERING ANGLE SENSOR
Connector Type	TH08FW-NH



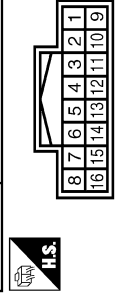
Terminal No.	4	Color of Wire	GR/L	Signal Name [Specification]	IGN
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Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4



Terminal No.	31	Color of Wire	GR/L	Signal Name [Specification]	-
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Connector No.	M60
Connector Name	WIRE TO WIRE
Connector Type	TH16FW-NH



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

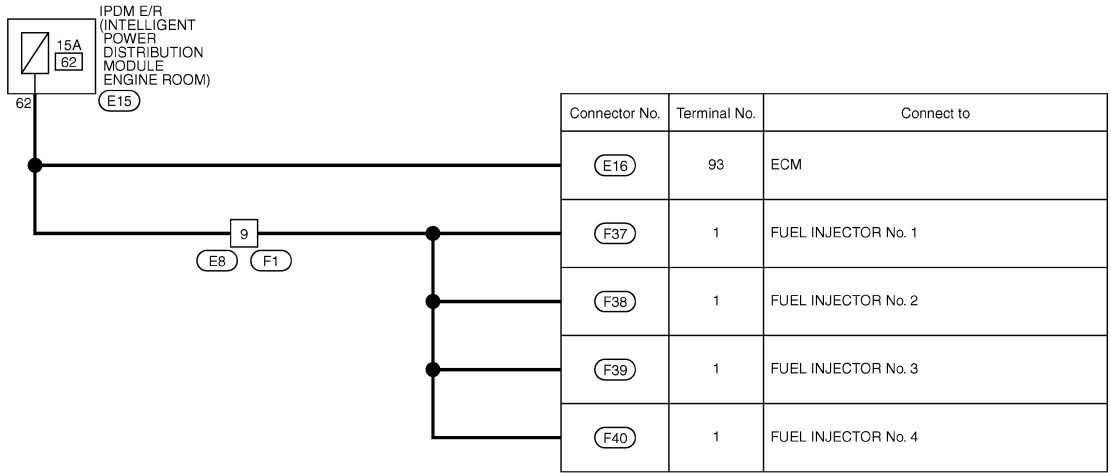
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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

INFOID:000000005092614

### IGNITION POWER SUPPLY FUSE No. 62



A  
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2009/02/27

JCMWM4159GB

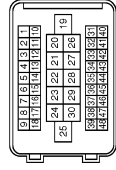
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

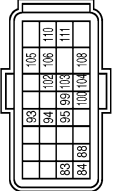
## IGNITION POWER SUPPLY FUSE No. 62

Connector No.	F1
Connector Name	WIRE TO WIRE
Connector Type	SAA38FB-FS10-SJZZ



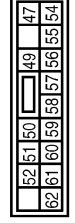
Terminal No.	9	Color of Wire	SB	Signal Name [Specification]
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Connector No.	E16
Connector Name	ECM
Connector Type	RH24FB-F2B-L-RH



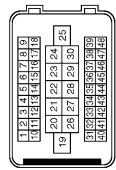
Terminal No.	93	Color of Wire	L	Signal Name [Specification]
				IGNSW

Connector No.	E15
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	NS15FW-CS




Terminal No.	62	Color of Wire	L	Signal Name [Specification]
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Connector No.	EB
Connector Name	WIRE TO WIRE
Connector Type	SAA38MB-FS10-SJZZ




Terminal No.	9	Color of Wire	L	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	SB	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	SB	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	SB	Signal Name [Specification]
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Connector No.	F37
Connector Name	FUEL INJECTOR No. 1
Connector Type	HS02FGY



Terminal No.	1	Color of Wire	SB	Signal Name [Specification]
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JCMWM4160GB

# POWER SUPPLY ROUTING CIRCUIT

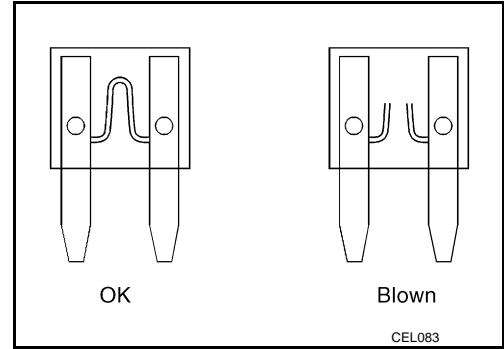
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Fuse

INFOID:000000005071633

- 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

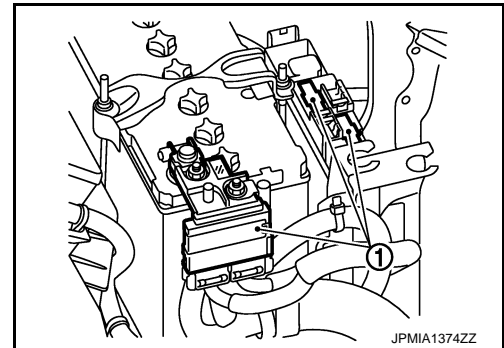
INFOID:000000005092615

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:

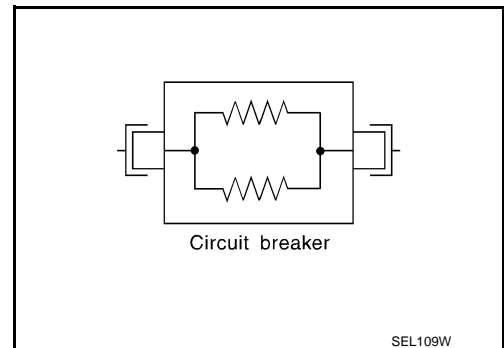
- If fusible link should melt, it is possible that critical circuit (power supply or large current carrying circuit) is shorted. In such a case, carefully check and eliminate cause of malfunction.
- Never wrap outside of fusible link with vinyl tape. Important: Never let fusible link touch any other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



## Circuit Breaker

INFOID:000000005071635

The PTC thermistor generates heat in response to current flow. The temperature (and resistance) of the thermistor element varies with current flow. Excessive current flow will cause the element's temperature to rise. When the temperature reaches a specified level, the electrical resistance will rise sharply to control the circuit current. Reduced current flow will cause the element to cool. Resistance falls accordingly and normal circuit current flow is allowed to resume.



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# OPTION HARNESS

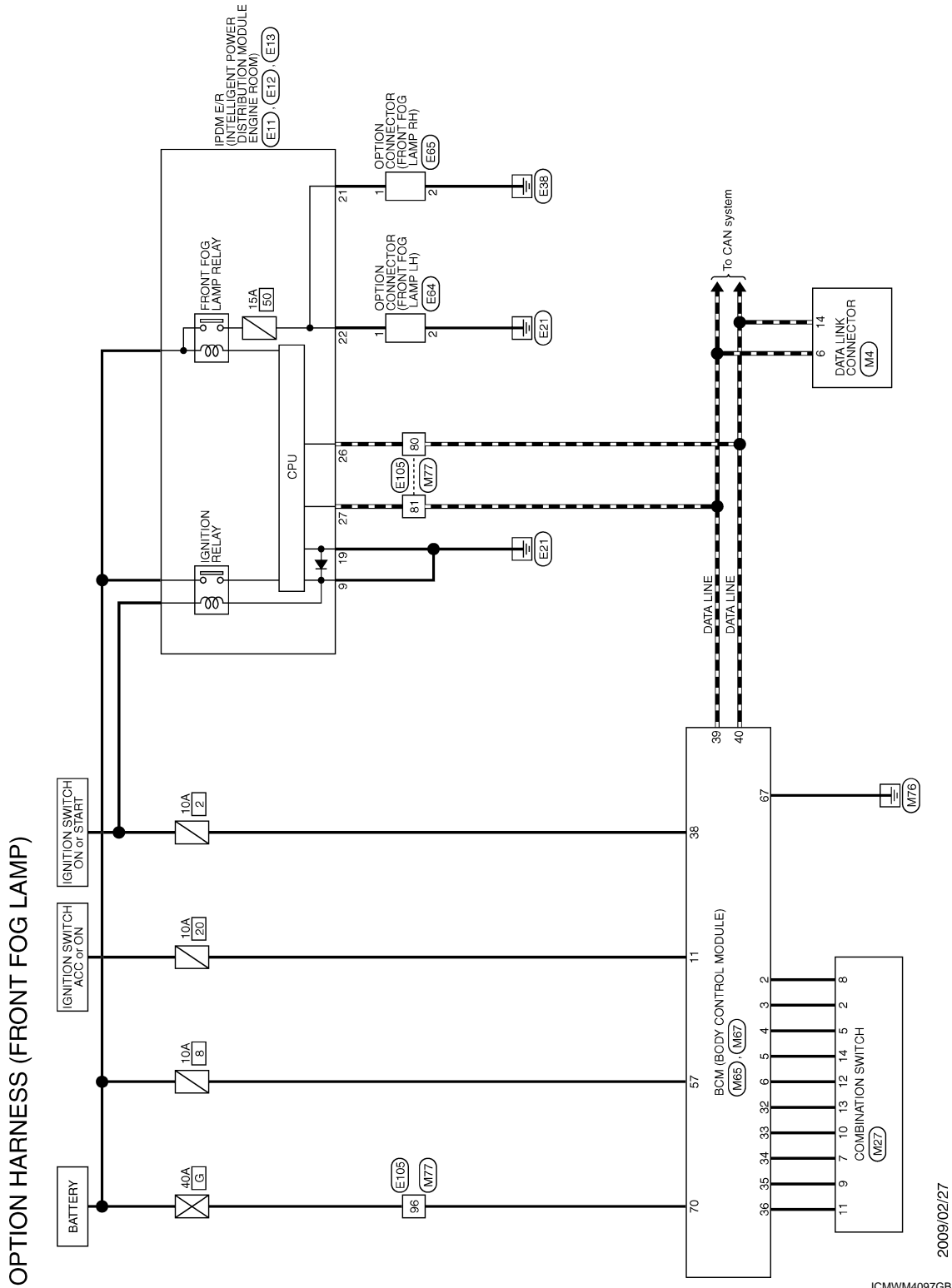
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## OPTION HARNESS

### Wiring Diagram - OPTION HARNESS -

INFOID:000000005156163





# OPTION HARNESS

## [POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

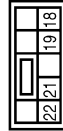
### OPTION HARNESS (FRONT FOG LAMP)

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



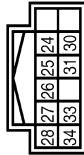
Terminal No.	Color of Wire	Signal Name [Specification]
9	B/W	-

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



Terminal No.	Color of Wire	Signal Name [Specification]
19	B/W	-
21	W	-
22	V	-

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



Terminal No.	Color of Wire	Signal Name [Specification]
28	P	-
27	L	-

Connector No.	E64
Connector Name	OPTION CONNECTOR (FRONT FOG LAMP (LH))
Connector Type	FCI 240FC023S4019



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

Connector No.	E85
Connector Name	OPTION CONNECTOR (FRONT FOG LAMP (RH))
Connector Type	FCI 240FC023S4019



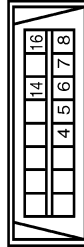
Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	B/Y	-

Connector No.	E105
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
80	P	-
81	L	-
96	LG	-

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



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

Connector No.	M27
Connector Name	COMBINATION SWITCH
Connector Type	TH18FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
2	GR	INPUT 4
5	L/Y	INPUT 3
7	W	OUTPUT 3
8	BR/W	INPUT 5
9	R/L	OUTPUT 2
10	Y/L	OUTPUT 4
11	L/O	OUTPUT 1
12	L/R	INPUT 1
13	LG	OUTPUT 5
14	G	INPUT 2

JCMWM4098GB

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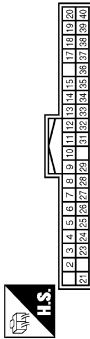
# OPTION HARNESS

## [POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

### OPTION HARNESS (FRONT FOG LAMP)

Connector No.	M65
Connector Name	BCM (BODY CONTROL MODULE) (WITHOUT INTELLIGENT KEY)
Connector Type	TH407V-RN1



38	O	IGN
39	L	CAN-H
40	P	CAN-L

Connector No.	M67
Connector Name	BCM (BODY CONTROL MODULE) (WITHOUT INTELLIGENT KEY)
Connector Type	FE209FB-FH4G-SA



Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS1P-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
2	BR/W	COMBI SW INPUT 5
3	GR	COMBI SW INPUT 4
4	L/Y	COMBI SW INPUT 3
5	G	COMBI SW INPUT 2
6	L/R	COMBI SW INPUT 1
11	L/Y	ACC
32	LG	COMBI SW OUTPUT 5
33	Y/L	COMBI SW OUTPUT 4
34	W	COMBI SW OUTPUT 3
35	R/L	COMBI SW OUTPUT 2
36	L/O	COMBI SW OUTPUT 1

Terminal No.	Color of Wire	Signal Name [Specification]
57	Y	BAT (FUSE)
67	B	GNL
70	Y	BAT (F/L)

Terminal No.	Color of Wire	Signal Name [Specification]
80	P	
81	L	
96	Y	

JCMWM4099GB

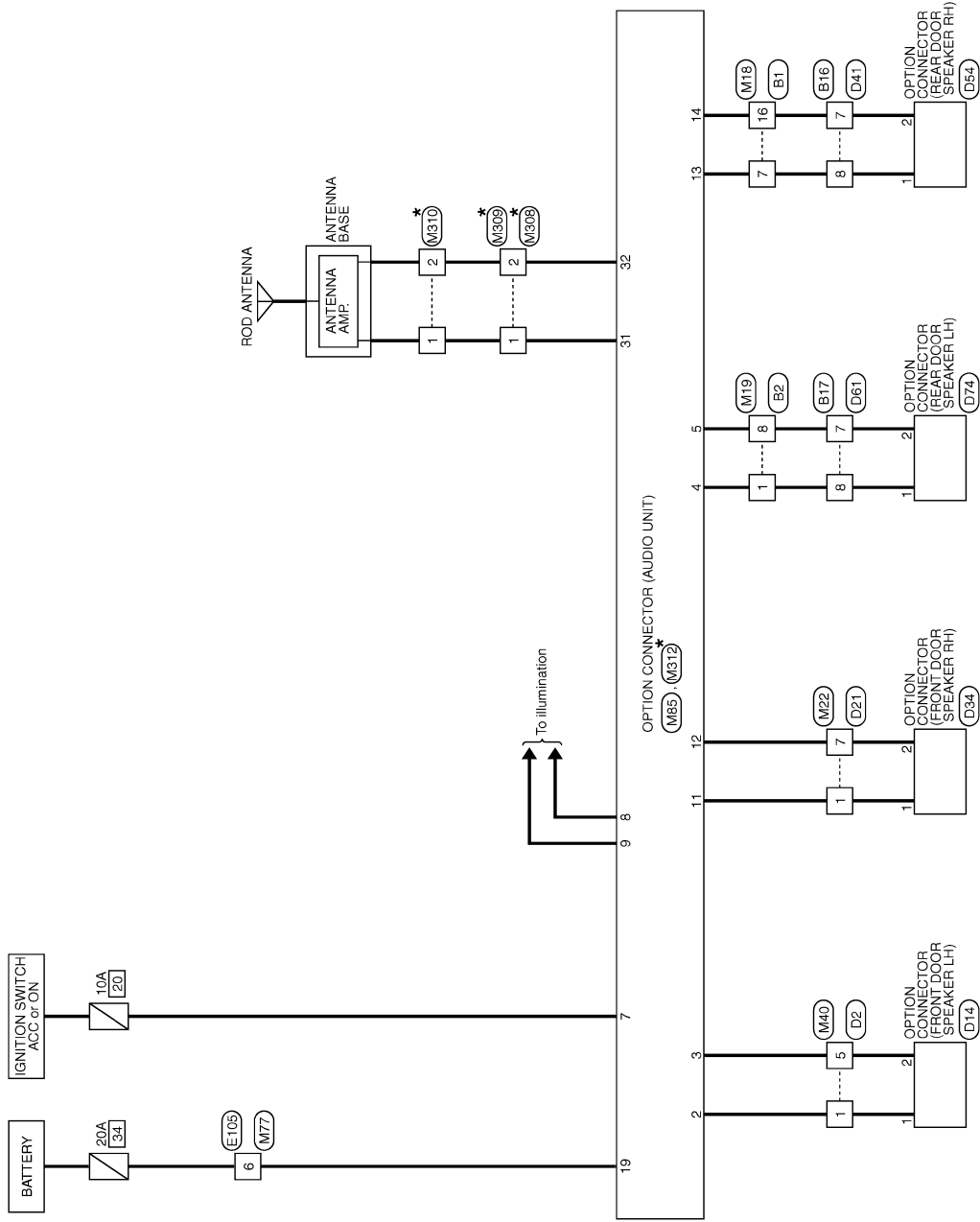
# OPTION HARNESS

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## OPTION HARNESS (AUDIO)

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



2009/02/27

JCMWM4100GB

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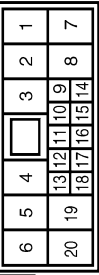


PG

# OPTION HARNESS

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## OPTION HARNESS (AUDIO)

<table border="1"> <tr><td>Connector No.</td><td>B1</td></tr> <tr><td>Connector Name</td><td>WIRE TO WIRE</td></tr> <tr><td>Connector Type</td><td>NS16MW-CS</td></tr> </table>   <table border="1"> <tr><td>Terminal No.</td><td>Color of Wire</td><td>Signal Name [Specification]</td></tr> <tr><td>7</td><td>LG</td><td>-</td></tr> <tr><td>16</td><td>GR</td><td>-</td></tr> </table>	Connector No.	B1	Connector Name	WIRE TO WIRE	Connector Type	NS16MW-CS	Terminal No.	Color of Wire	Signal Name [Specification]	7	LG	-	16	GR	-	<table border="1"> <tr><td>Connector No.</td><td>B2</td></tr> <tr><td>Connector Name</td><td>WIRE TO WIRE</td></tr> <tr><td>Connector Type</td><td>NS16MW-CS</td></tr> </table>   <table border="1"> <tr><td>Terminal No.</td><td>Color of Wire</td><td>Signal Name [Specification]</td></tr> <tr><td>1</td><td>V</td><td>-</td></tr> <tr><td>8</td><td>L</td><td>-</td></tr> </table>	Connector No.	B2	Connector Name	WIRE TO WIRE	Connector Type	NS16MW-CS	Terminal No.	Color of Wire	Signal Name [Specification]	1	V	-	8	L	-	<table border="1"> <tr><td>Connector No.</td><td>B16</td></tr> <tr><td>Connector Name</td><td>WIRE TO WIRE</td></tr> <tr><td>Connector Type</td><td>NS10FW-CS</td></tr> </table>   <table border="1"> <tr><td>Terminal No.</td><td>Color of Wire</td><td>Signal Name [Specification]</td></tr> <tr><td>7</td><td>GR</td><td>-</td></tr> <tr><td>8</td><td>LG</td><td>-</td></tr> </table>	Connector No.	B16	Connector Name	WIRE TO WIRE	Connector Type	NS10FW-CS	Terminal No.	Color of Wire	Signal Name [Specification]	7	GR	-	8	LG	-	<table border="1"> <tr><td>Connector No.</td><td>B17</td></tr> <tr><td>Connector Name</td><td>WIRE TO WIRE</td></tr> <tr><td>Connector Type</td><td>NS10FW-CS</td></tr> </table>   <table border="1"> <tr><td>Terminal No.</td><td>Color of Wire</td><td>Signal Name [Specification]</td></tr> <tr><td>7</td><td>L</td><td>-</td></tr> <tr><td>8</td><td>V</td><td>-</td></tr> </table>	Connector No.	B17	Connector Name	WIRE TO WIRE	Connector Type	NS10FW-CS	Terminal No.	Color of Wire	Signal Name [Specification]	7	L	-	8	V	-
Connector No.	B1																																																														
Connector Name	WIRE TO WIRE																																																														
Connector Type	NS16MW-CS																																																														
Terminal No.	Color of Wire	Signal Name [Specification]																																																													
7	LG	-																																																													
16	GR	-																																																													
Connector No.	B2																																																														
Connector Name	WIRE TO WIRE																																																														
Connector Type	NS16MW-CS																																																														
Terminal No.	Color of Wire	Signal Name [Specification]																																																													
1	V	-																																																													
8	L	-																																																													
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Terminal No.	Color of Wire	Signal Name [Specification]																																																													
7	GR	-																																																													
8	LG	-																																																													
Connector No.	B17																																																														
Connector Name	WIRE TO WIRE																																																														
Connector Type	NS10FW-CS																																																														
Terminal No.	Color of Wire	Signal Name [Specification]																																																													
7	L	-																																																													
8	V	-																																																													
<table border="1"> <tr><td>Connector No.</td><td>D2</td></tr> <tr><td>Connector Name</td><td>WIRE TO WIRE</td></tr> <tr><td>Connector Type</td><td>NS10FW-CS</td></tr> </table>   <table border="1"> <tr><td>Terminal No.</td><td>Color of Wire</td><td>Signal Name [Specification]</td></tr> <tr><td>5</td><td>P</td><td>-</td></tr> <tr><td>1</td><td>W</td><td>-</td></tr> </table>	Connector No.	D2	Connector Name	WIRE TO WIRE	Connector Type	NS10FW-CS	Terminal No.	Color of Wire	Signal Name [Specification]	5	P	-	1	W	-	<table border="1"> <tr><td>Connector No.</td><td>D14</td></tr> <tr><td>Connector Name</td><td>OPTION CONNECTOR (FRONT DOOR SPEAKER LH)</td></tr> <tr><td>Connector Type</td><td>NSD2FW-CS</td></tr> </table>   <table border="1"> <tr><td>Terminal No.</td><td>Color of Wire</td><td>Signal Name [Specification]</td></tr> <tr><td>2</td><td>P</td><td>-</td></tr> <tr><td>1</td><td>W</td><td>-</td></tr> </table>	Connector No.	D14	Connector Name	OPTION CONNECTOR (FRONT DOOR SPEAKER LH)	Connector Type	NSD2FW-CS	Terminal No.	Color of Wire	Signal Name [Specification]	2	P	-	1	W	-	<table border="1"> <tr><td>Connector No.</td><td>D21</td></tr> <tr><td>Connector Name</td><td>WIRE TO WIRE</td></tr> <tr><td>Connector Type</td><td>NH10FW-CS10</td></tr> </table>   <table border="1"> <tr><td>Terminal No.</td><td>Color of Wire</td><td>Signal Name [Specification]</td></tr> <tr><td>7</td><td>R</td><td>-</td></tr> <tr><td>1</td><td>G</td><td>-</td></tr> </table>	Connector No.	D21	Connector Name	WIRE TO WIRE	Connector Type	NH10FW-CS10	Terminal No.	Color of Wire	Signal Name [Specification]	7	R	-	1	G	-	<table border="1"> <tr><td>Connector No.</td><td>D24</td></tr> <tr><td>Connector Name</td><td>OPTION CONNECTOR (FRONT DOOR SPEAKER RH)</td></tr> <tr><td>Connector Type</td><td>NSD2FW-CS</td></tr> </table>   <table border="1"> <tr><td>Terminal No.</td><td>Color of Wire</td><td>Signal Name [Specification]</td></tr> <tr><td>2</td><td>R</td><td>-</td></tr> <tr><td>1</td><td>G</td><td>-</td></tr> </table>	Connector No.	D24	Connector Name	OPTION CONNECTOR (FRONT DOOR SPEAKER RH)	Connector Type	NSD2FW-CS	Terminal No.	Color of Wire	Signal Name [Specification]	2	R	-	1	G	-
Connector No.	D2																																																														
Connector Name	WIRE TO WIRE																																																														
Connector Type	NS10FW-CS																																																														
Terminal No.	Color of Wire	Signal Name [Specification]																																																													
5	P	-																																																													
1	W	-																																																													
Connector No.	D14																																																														
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Connector Type	NSD2FW-CS																																																														
Terminal No.	Color of Wire	Signal Name [Specification]																																																													
2	P	-																																																													
1	W	-																																																													
Connector No.	D21																																																														
Connector Name	WIRE TO WIRE																																																														
Connector Type	NH10FW-CS10																																																														
Terminal No.	Color of Wire	Signal Name [Specification]																																																													
7	R	-																																																													
1	G	-																																																													
Connector No.	D24																																																														
Connector Name	OPTION CONNECTOR (FRONT DOOR SPEAKER RH)																																																														
Connector Type	NSD2FW-CS																																																														
Terminal No.	Color of Wire	Signal Name [Specification]																																																													
2	R	-																																																													
1	G	-																																																													

JCMWM4101GB


# OPTION HARNESS

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]


## OPTION HARNESS (AUDIO)

Connector No.	D41
Connector Name	WIRE TO WIRE
Connector Type	NS10MW-CS




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

Connector No.	D51
Connector Name	WIRE TO WIRE
Connector Type	NS10MW-CS




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

Connector No.	D74
Connector Name	OPTION CONNECTOR (REAR DOOR SPEAKER LH)
Connector Type	NS20FW-CS



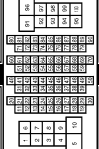
Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	
2	GR	

Connector No.	D64
Connector Name	OPTION CONNECTOR (REAR DOOR SPEAKER RH)
Connector Type	NS20FW-CS




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

Connector No.	E105
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16F-TM4



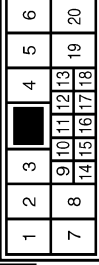
Terminal No.	Color of Wire	Signal Name [Specification]
6	R	

Connector No.	M19
Connector Name	WIRE TO WIRE
Connector Type	NS18FW-CS



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

Connector No.	M22
Connector Name	WIRE TO WIRE
Connector Type	NH10MW-CS10



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

JCMWM4102GB

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

# OPTION HARNESS

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

### OPTION HARNESS (AUDIO)

Connector No.	M85	OPTION CONNECTOR (AUDIO UNIT)
Connector Name	TH18FW-GSZ	
Connector Type		

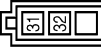
Terminal No.	19	L	BATTERY
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Terminal No.	Color of Wire	Signal Name [Specification]
2	W	SOUND SIGNAL FRONT SPEAKER LH (+)
3	P	SOUND SIGNAL FRONT SPEAKER LH (-)
4	V	SOUND SIGNAL REAR SPEAKER LH (-)
5	R/B	SOUND SIGNAL REAR SPEAKER LH (-)
7	L/Y	ACC
8	B/R	ILL (-)
9	W	ILL (+)
11	G	SOUND SIGNAL FRONT SPEAKER RH (+)
12	R	SOUND SIGNAL FRONT SPEAKER RH (-)
13	LG	SOUND SIGNAL REAR SPEAKER RH (+)
14	GR	SOUND SIGNAL REAR SPEAKER RH (-)

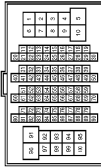
Connector No.	M312	OPTION CONNECTOR (AUDIO UNIT)
Connector Name	GT13SH-2/1S-HU	
Connector Type		

Terminal No.	31	Color of Wire	Signal Name [Specification]
	32		ANTENNA AMP. ON SIGNAL



Terminal No.	31	Color of Wire	Signal Name [Specification]
	32		ANTENNA AMP. ON SIGNAL

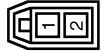
Connector No.	M77	WIRE TO WIRE
Connector Name	TH8FW-CS/8-TM4	
Connector Type		



Terminal No.	6	L	Signal Name [Specification]
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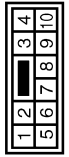
Connector No.	M309	WIRE TO WIRE
Connector Name	GT13SC-1/1S-HU	
Connector Type		

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



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

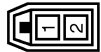
Connector No.	M40	WIRE TO WIRE
Connector Name	HS10MW-CS	
Connector Type		



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

Connector No.	M308	WIRE TO WIRE
Connector Name	GT13SCN-1/1PP-HU	
Connector Type		

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



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

JCMWM4103GB

# HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

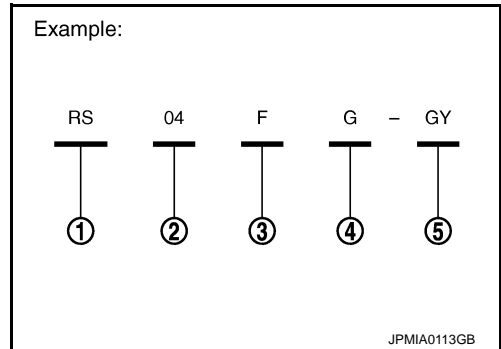
[POWER SUPPLY & GROUND CIRCUIT]

## HARNESS LAYOUT

### How To Read Harness Layout

INFOID:000000005071637

- 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

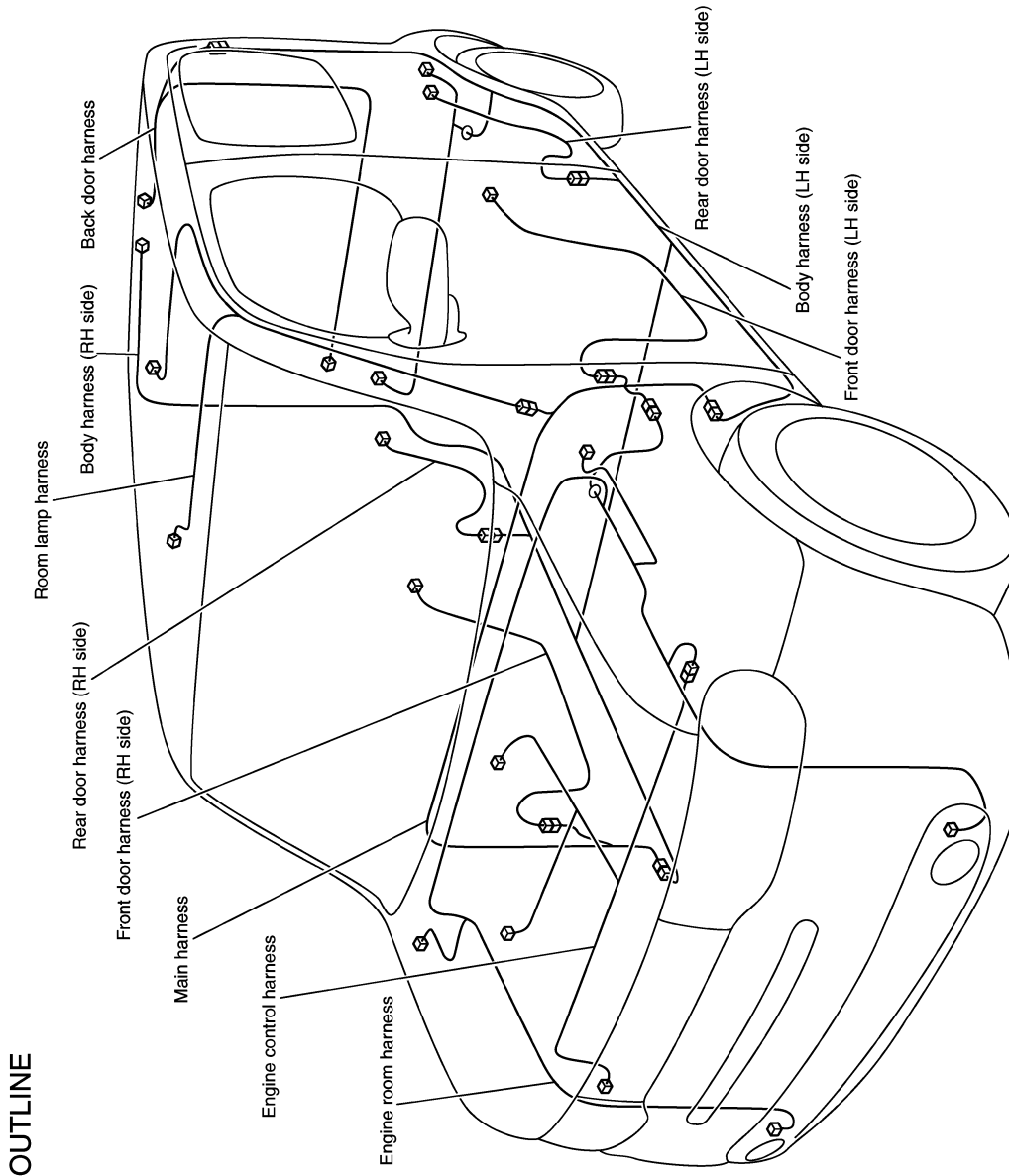
# HARNESSES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Outline

INFOID:000000005071638



OUTLINE

2009/02/27

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# HARNES LAYOUT

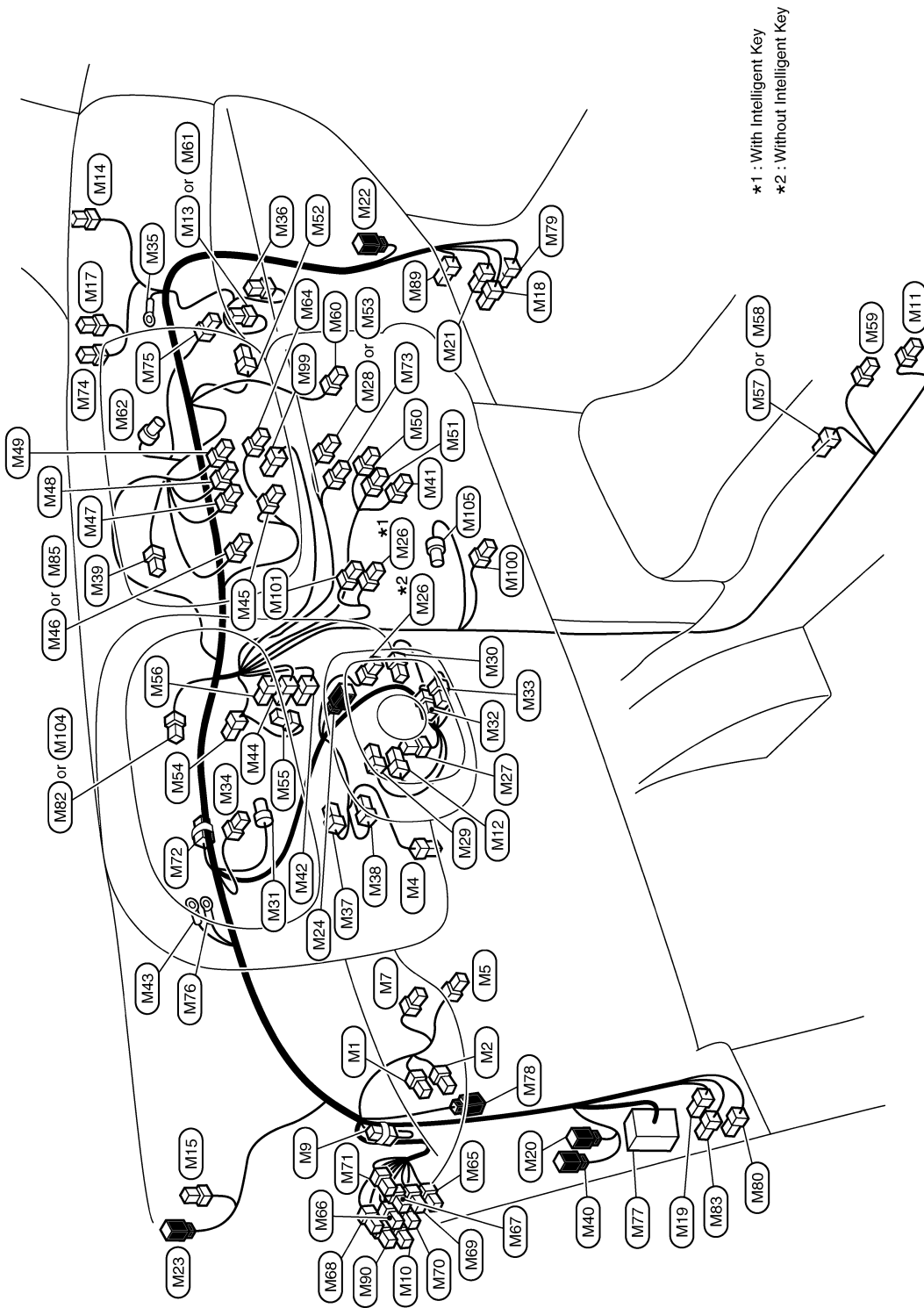
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Main Harness

INFOID:000000005071639

MAIN HARNESS



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

2009/02/27

JCMIM0727GB

# HARNESS LAYOUT

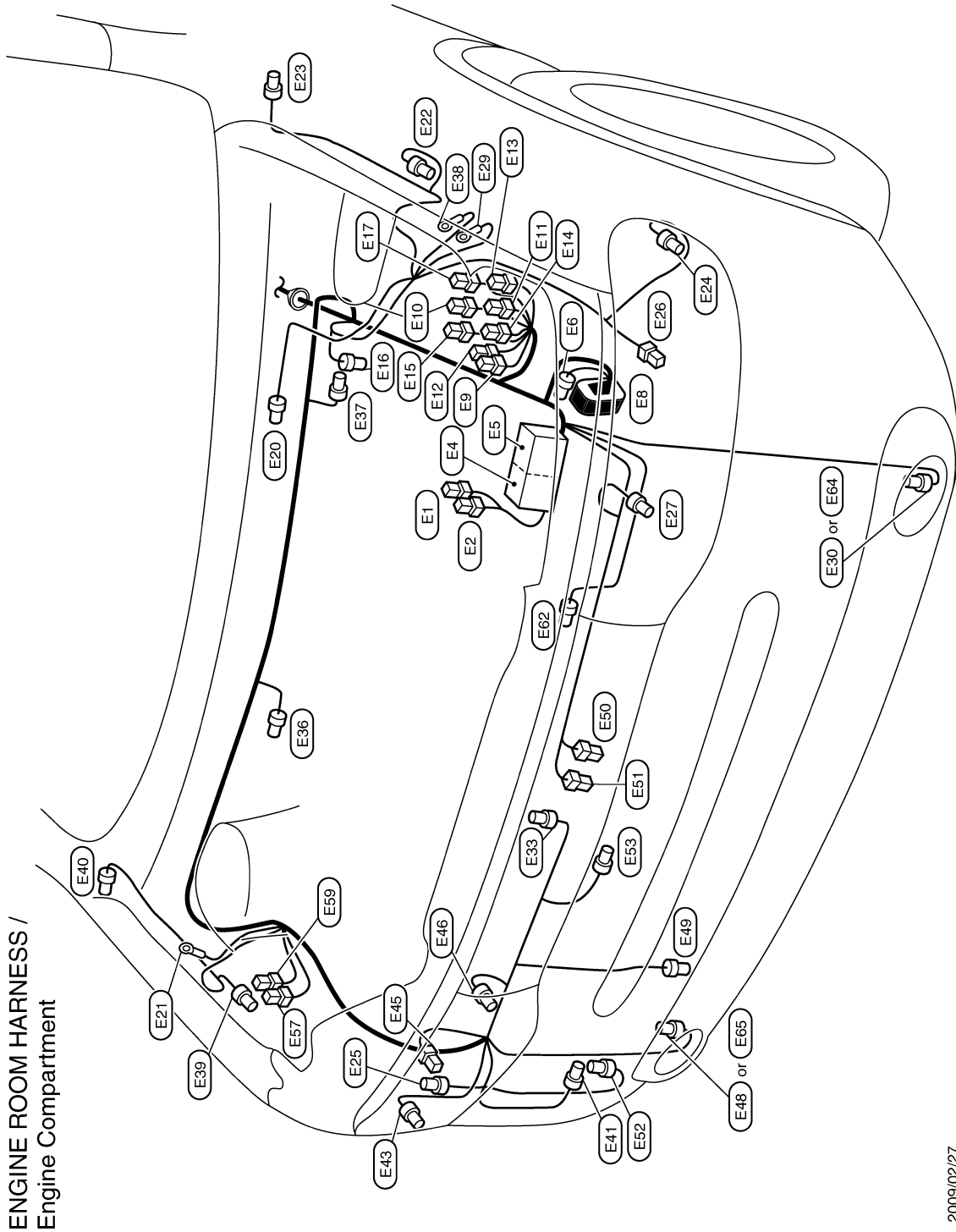
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Engine Room Harness

INFOID:000000005071640

### ENGINE COMPARTMENT



ENGINE ROOM HARNESS /  
Engine Compartment

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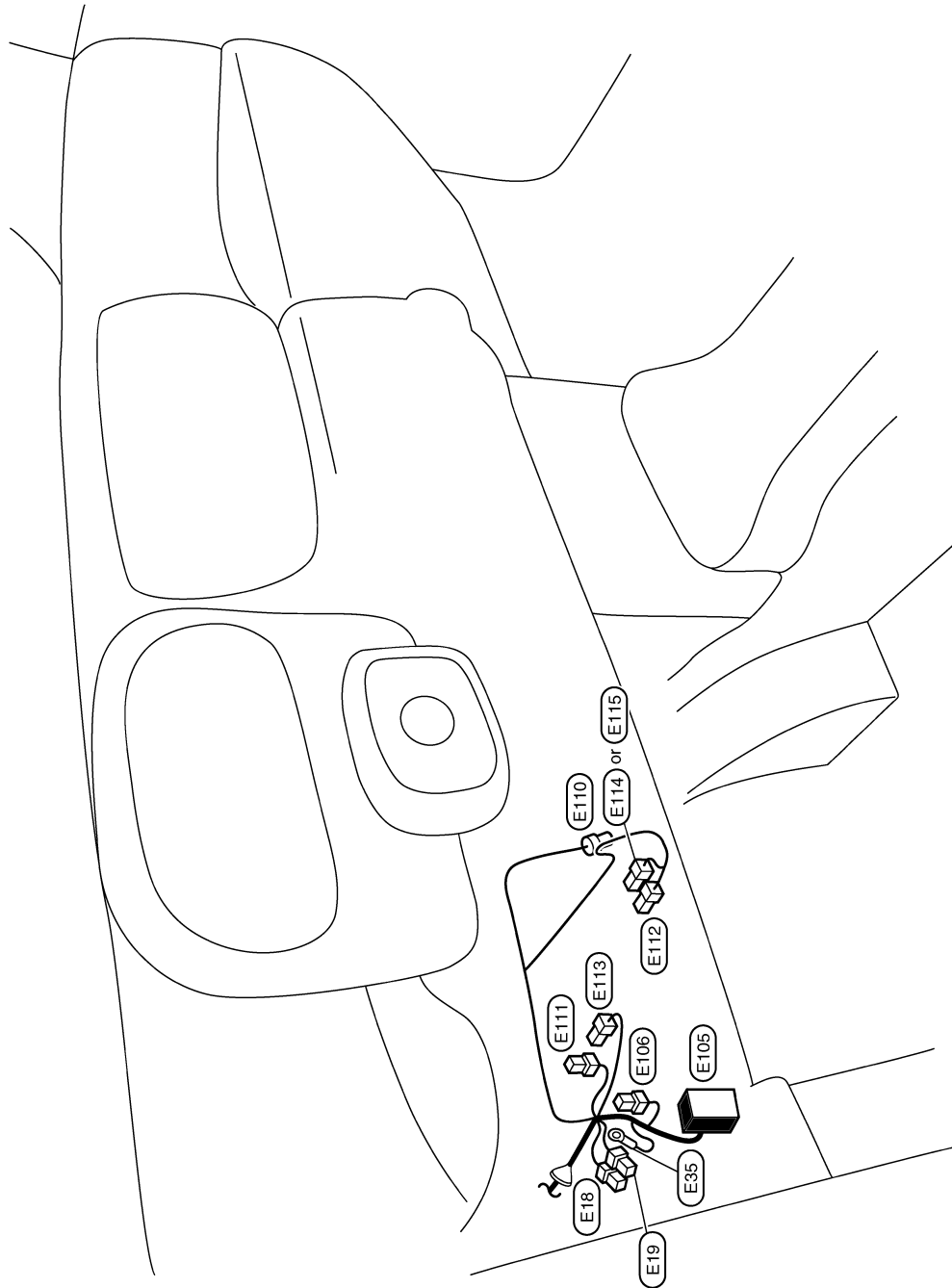
# HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

PASSENGER COMPARTMENT

Passenger Compartment



2009/02/27

JCMIM0729GB

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

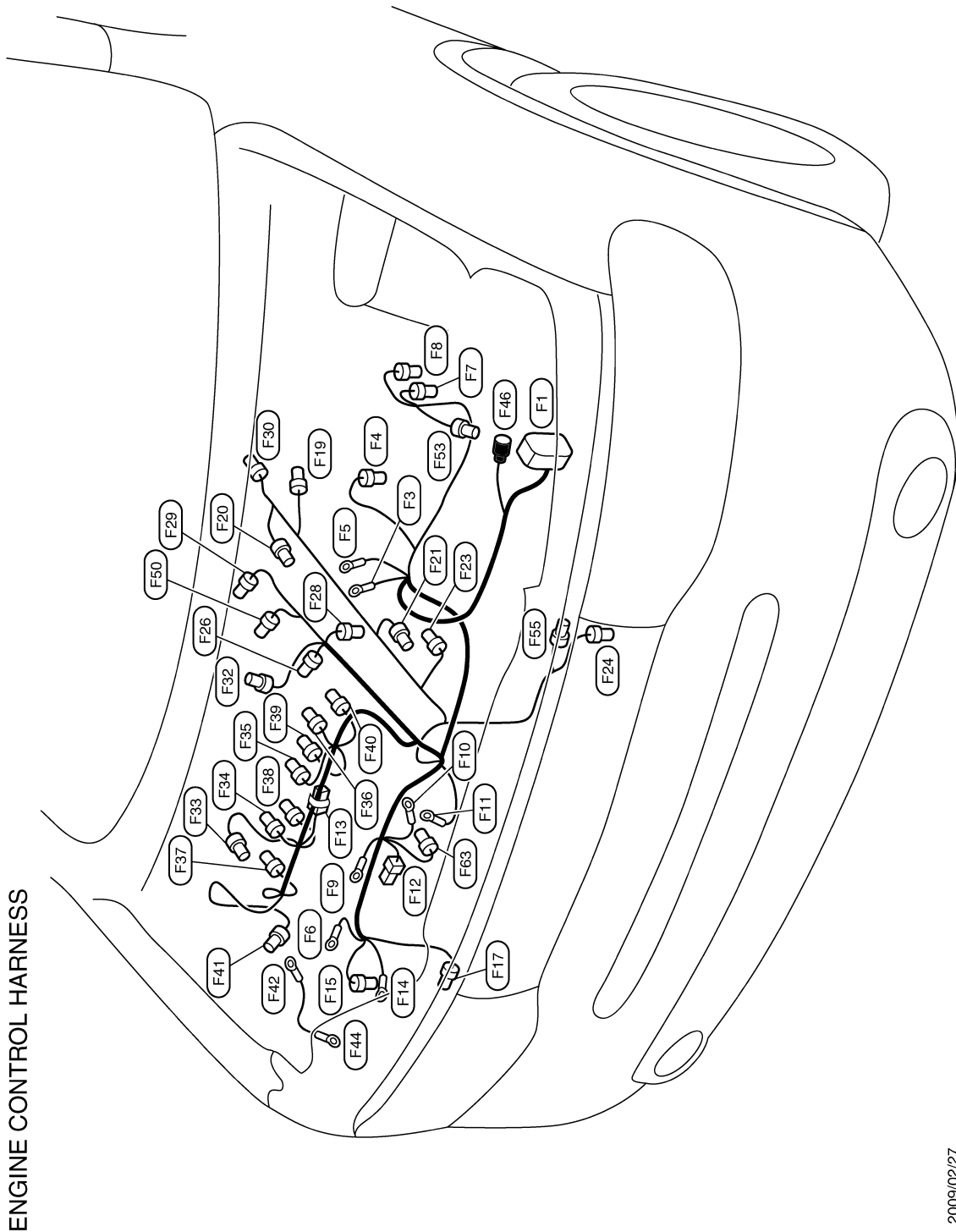
# HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Engine Control Harness

INFOID:000000005092616



ENGINE CONTROL HARNESS

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# HARNES LAYOUT

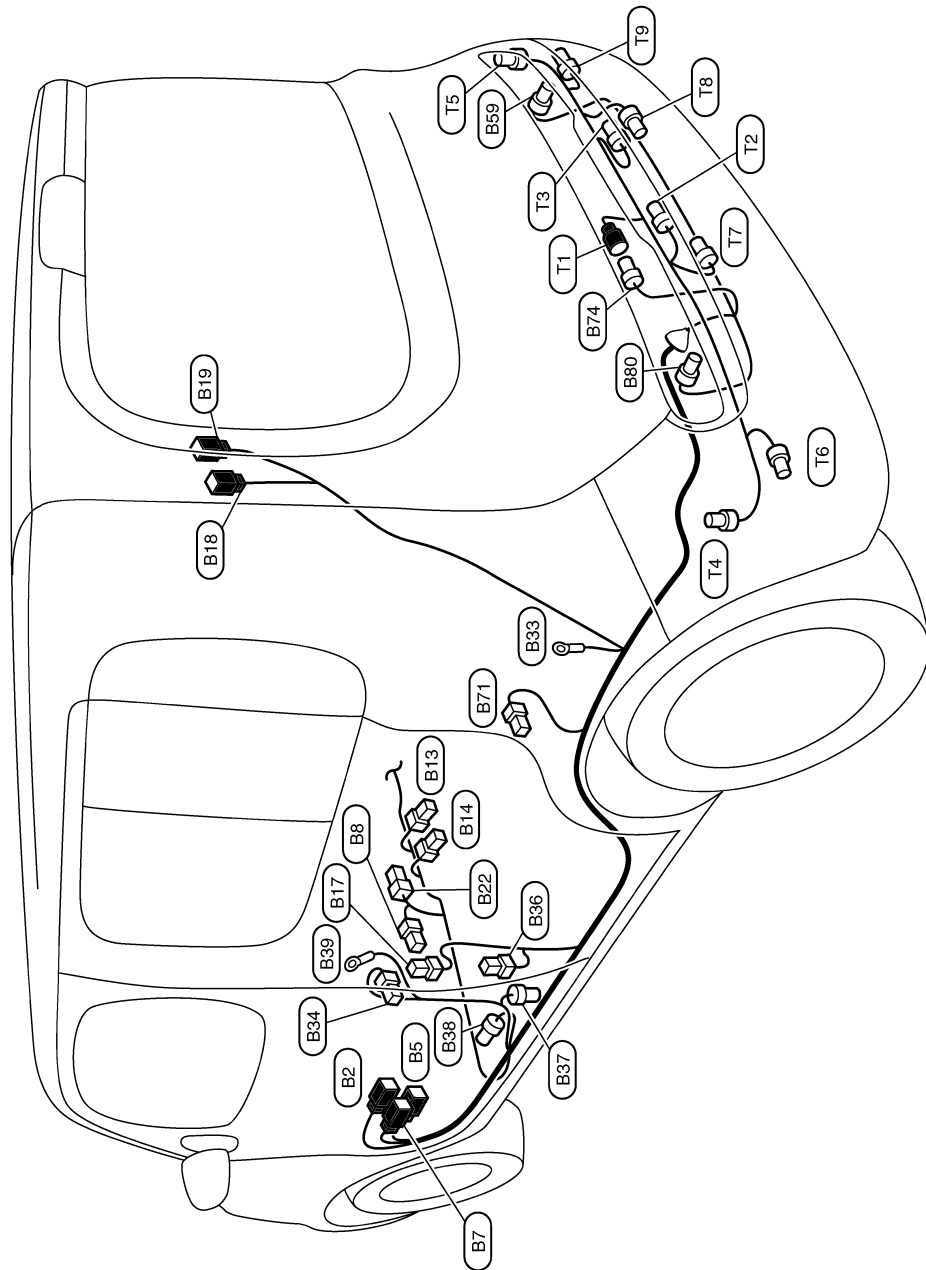
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Body Harness (LH Side)

INFOID:000000005136799

BODY HARNESS (LH SIDE)



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

PG

2009/02/27

JCMIM0731GB

# HARNESS LAYOUT

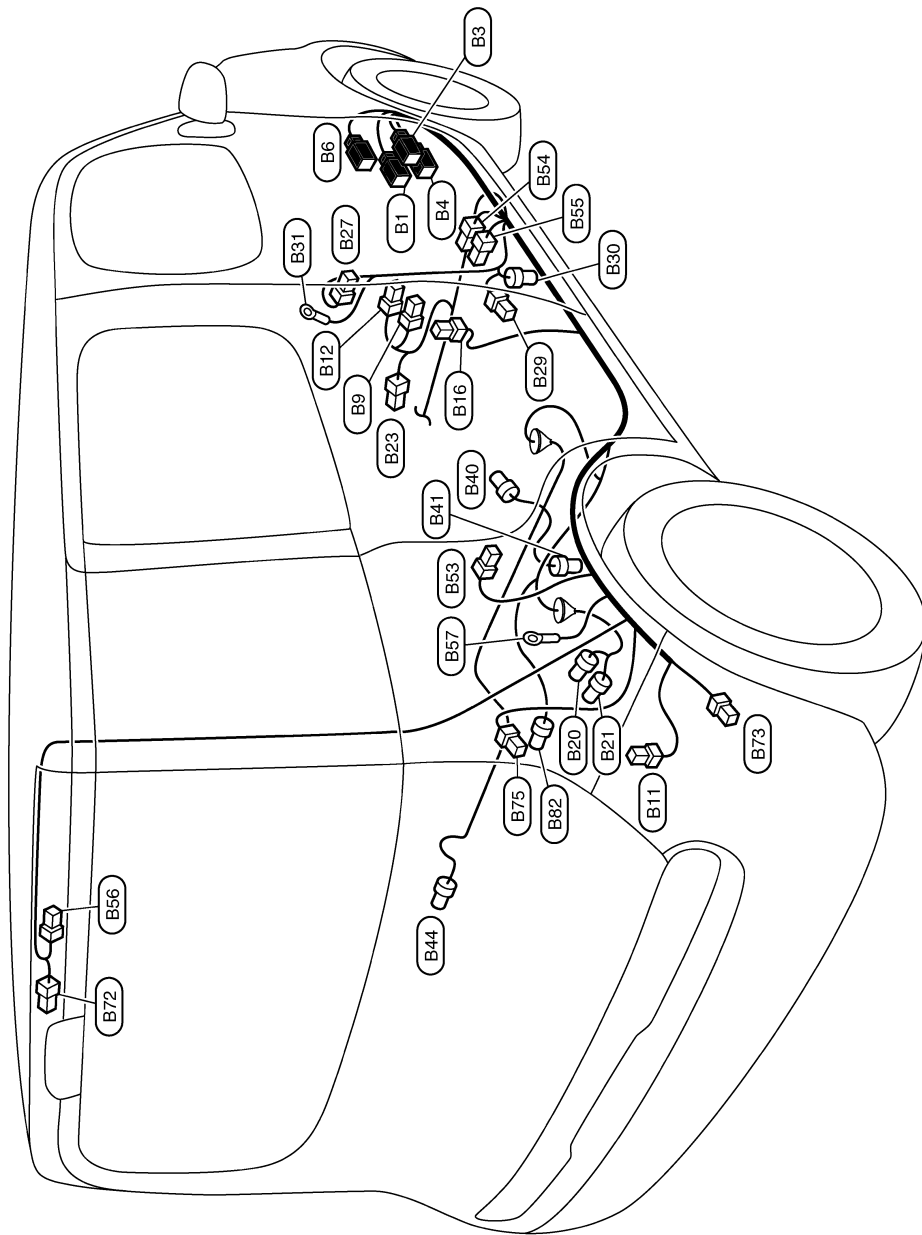
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Body Harness (RH Side)

INFOID:000000005136800

BODY HARNESS (RH SIDE)



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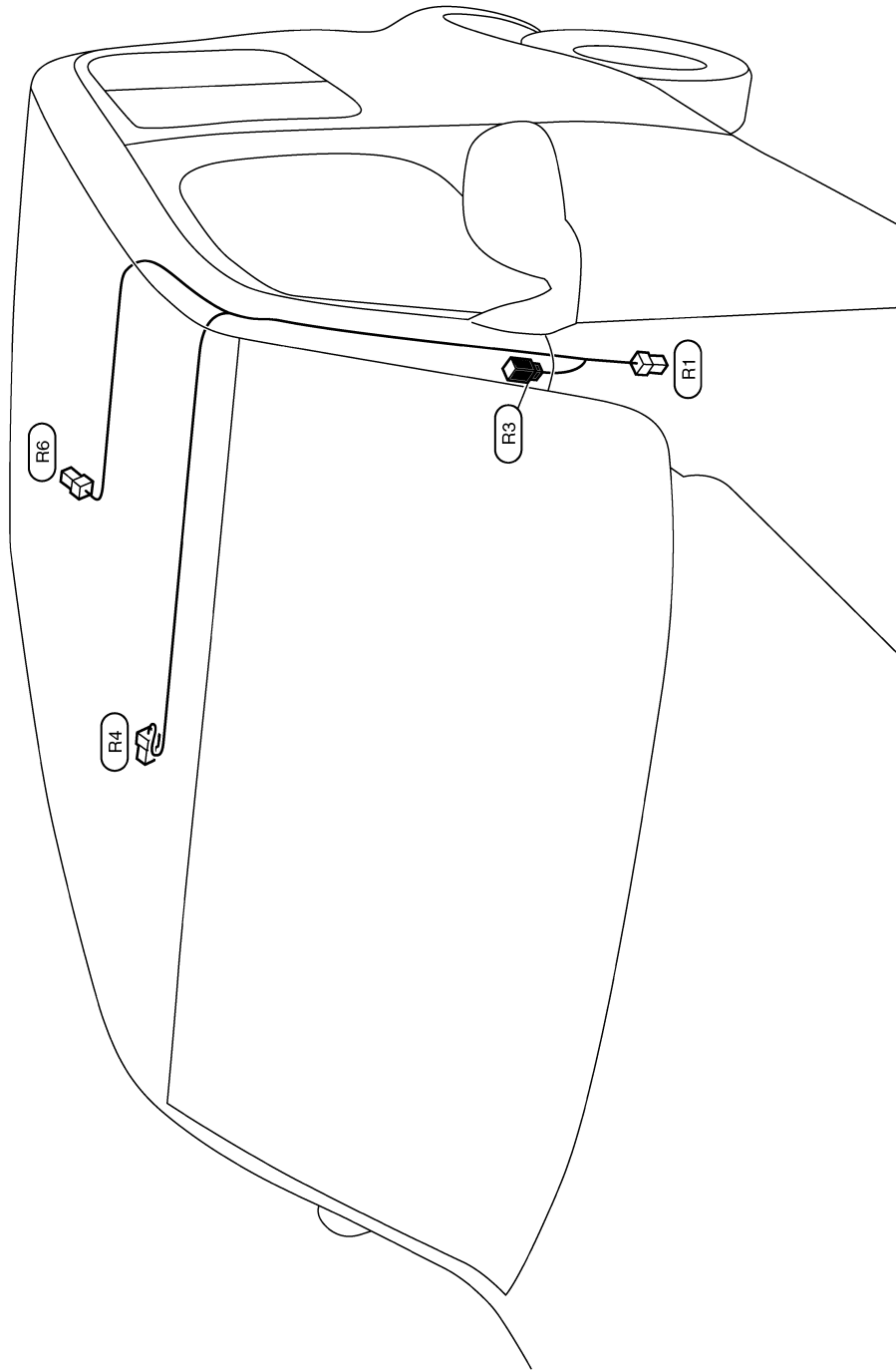
# HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Room Lamp Harness

INFOID:000000005071644



ROOM LAMP HARNESS

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

2009/02/27

JCMIM0733GB

# HARNESS LAYOUT

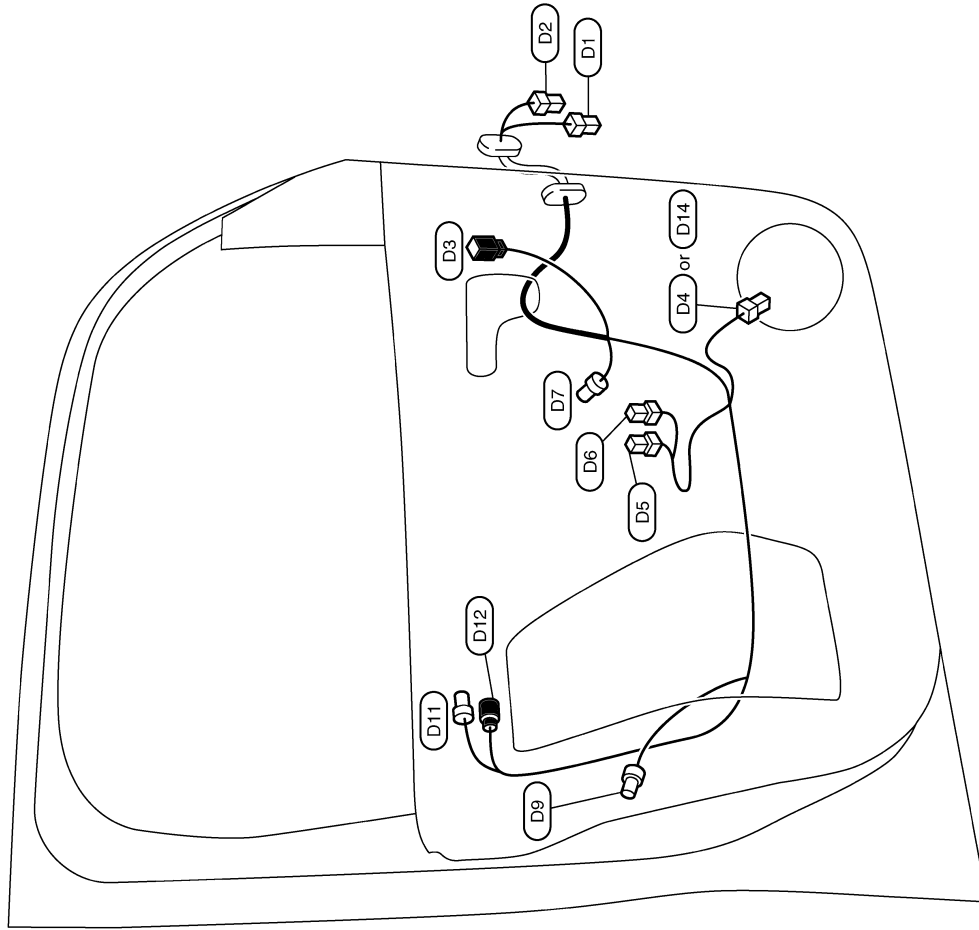
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Front Door Harness (LH Side)

INFOID:000000005071645

FRONT DOOR HARNESS (LH SIDE)



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# HARNES LAYOUT

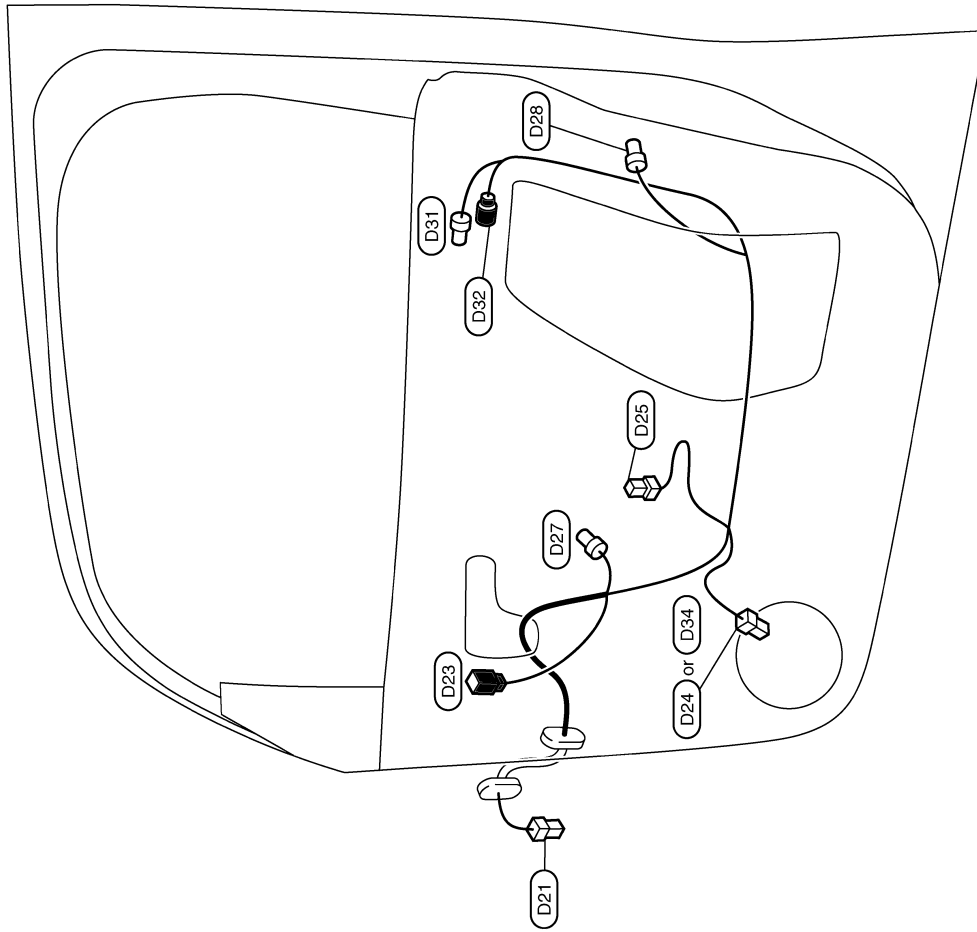
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Front Door Harness (RH Side)

INFOID:000000005071646

FRONT DOOR HARNESS (RH SIDE)



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

2009/02/27

JCMIM0735GB

# HARNES LAYOUT

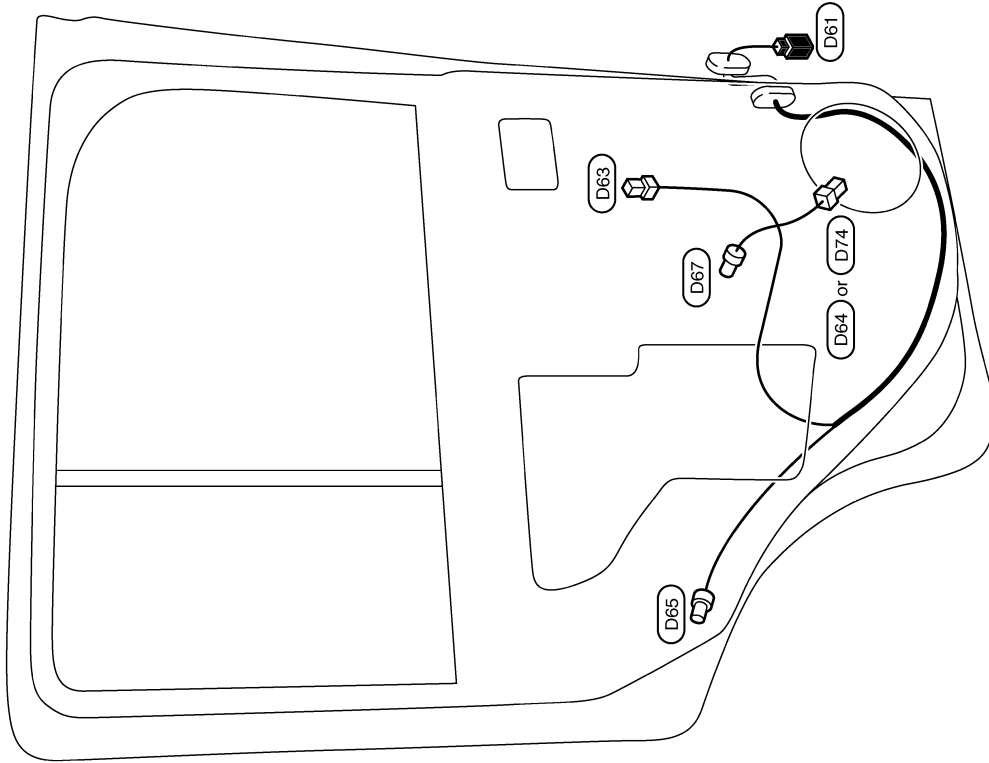
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Rear Door Harness (LH Side)

INFOID:000000005071647

REAR DOOR HARNESS (LH SIDE)



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# HARNES LAYOUT

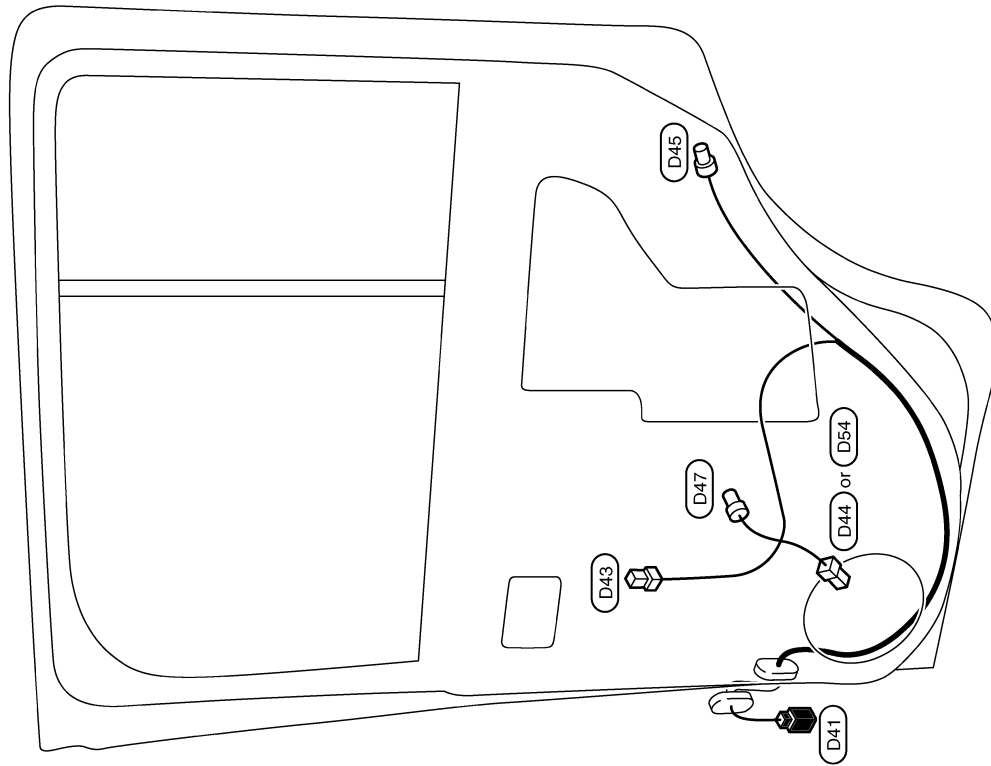
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Rear Door Harness (RH Side)

INFOID:000000005071648

REAR DOOR HARNESS (RH SIDE)



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

PG

N  
O  
P

2009/02/27

JCMIM0737GB

# HARNES LAYOUT

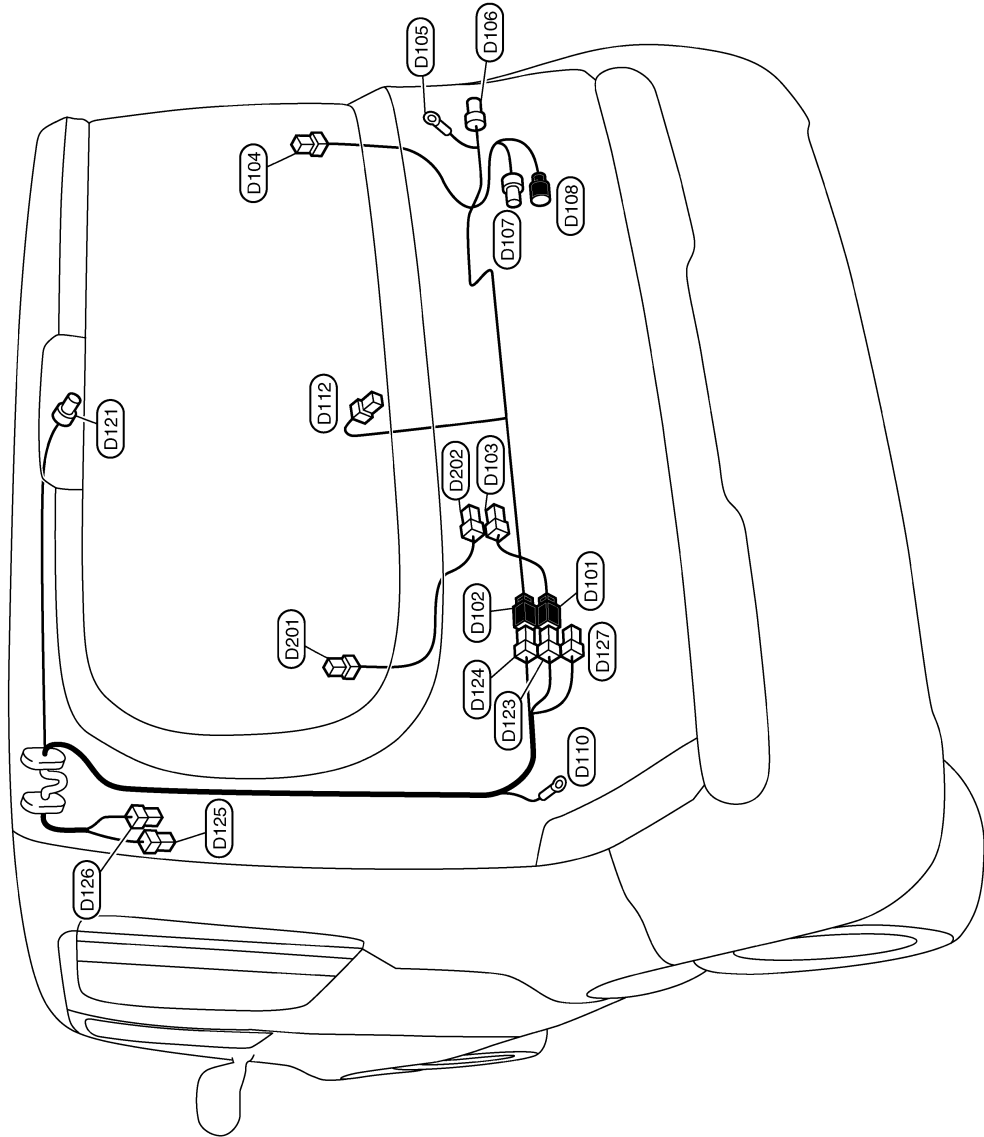
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Back Door Harness

INFOID:000000005071649

BACK DOOR HARNESS



2009/02/27

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# HARNESS CONNECTOR

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## HARNESS CONNECTOR

### Description

INFOID:000000005071650

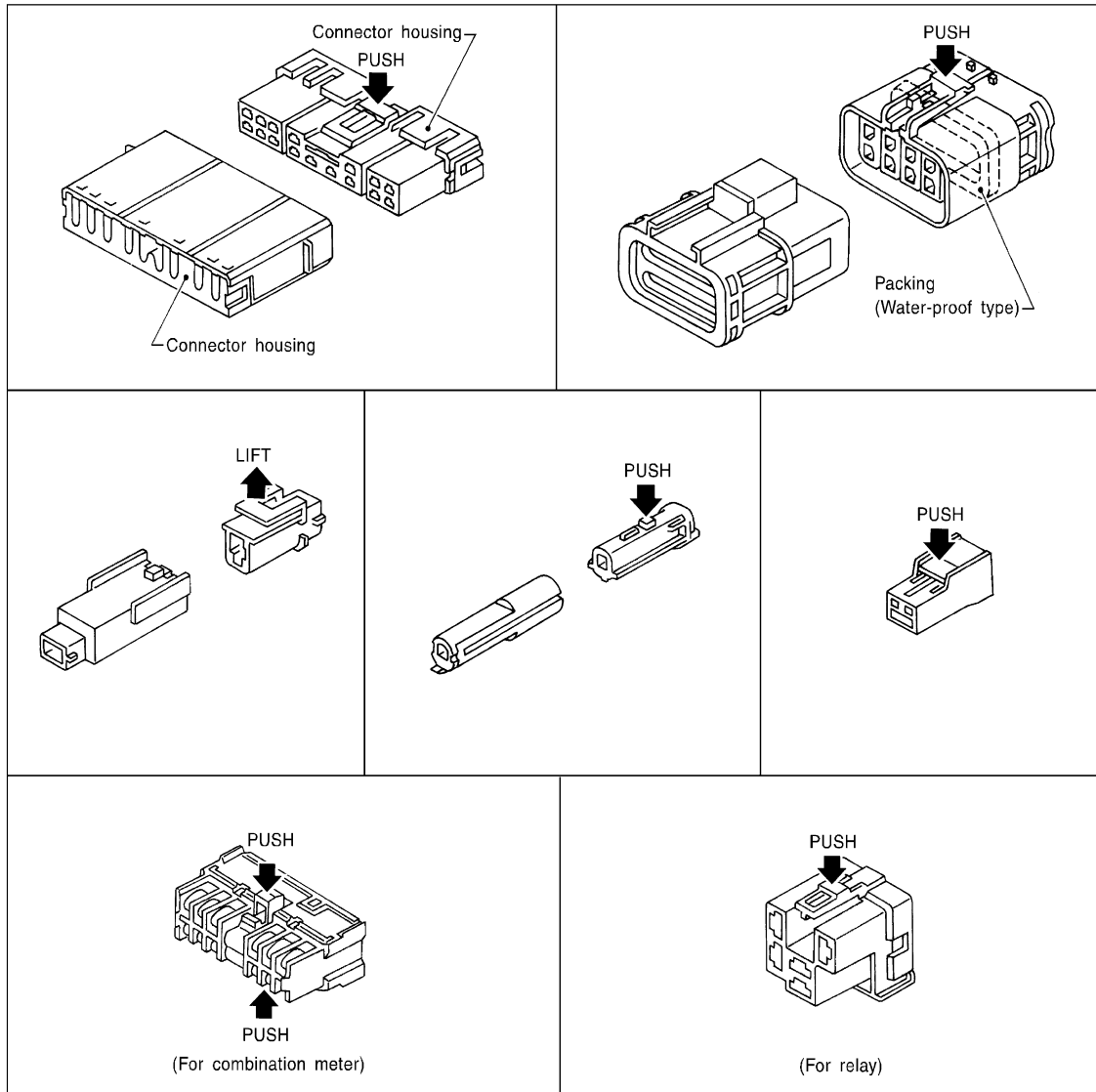
#### HARNESS CONNECTOR (TAB-LOCKING TYPE)

- 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

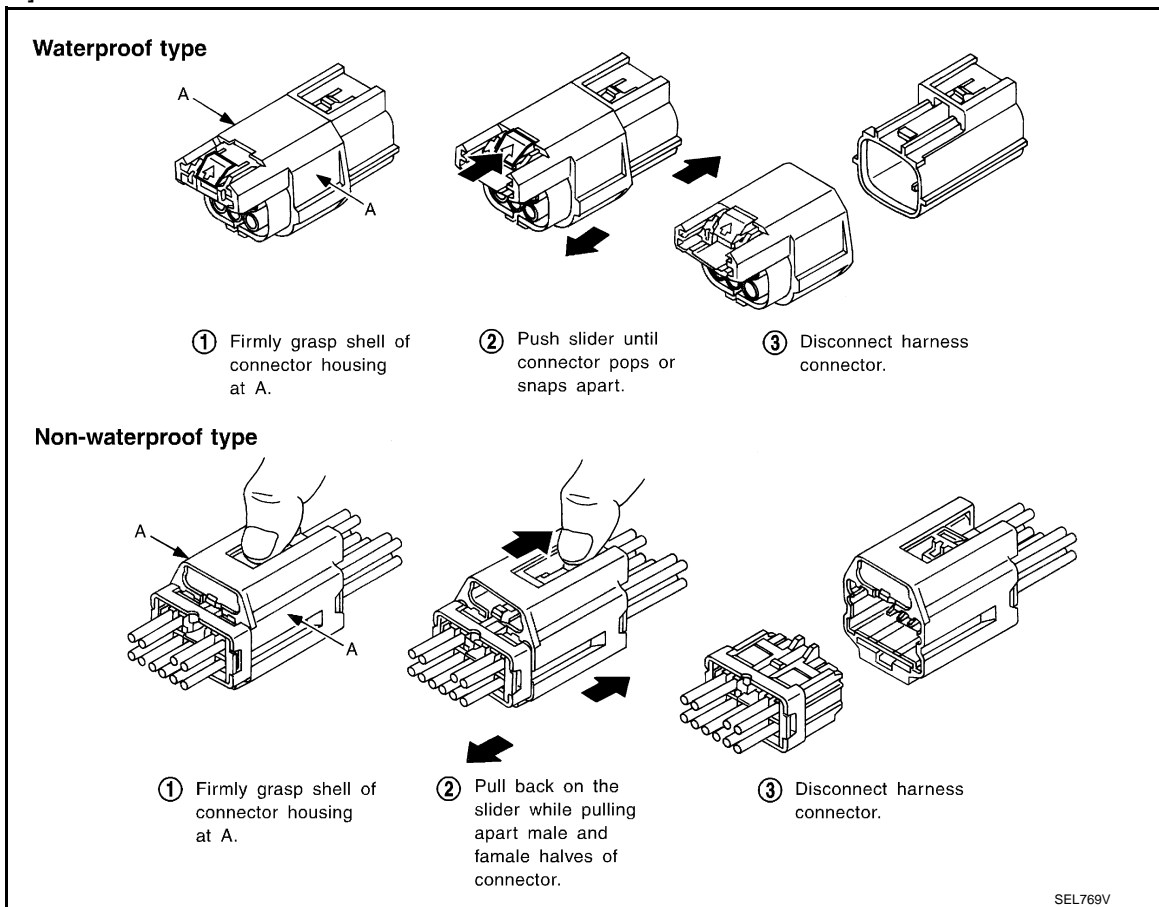
< DTC/CIRCUIT DIAGNOSIS >

[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.

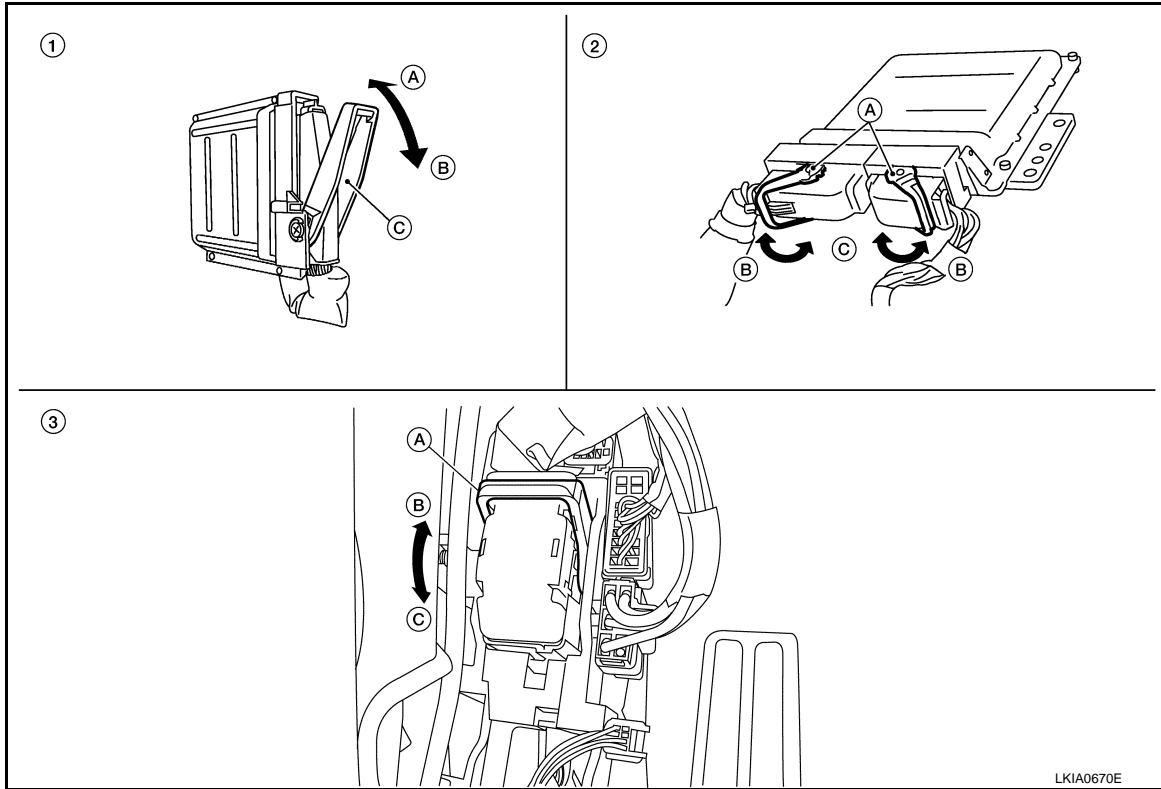
## CAUTION:

# HARNESS CONNECTOR

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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



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

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

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

LKIA0670E

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# STANDARDIZED RELAY

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

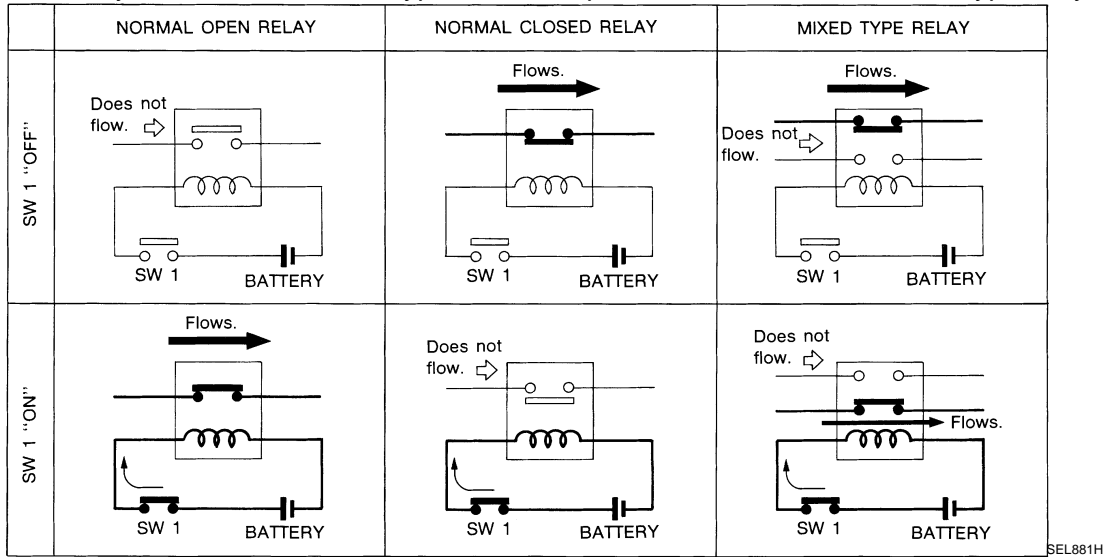
## STANDARDIZED RELAY

### Description

INFOID:000000005071651

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

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



SEL881H

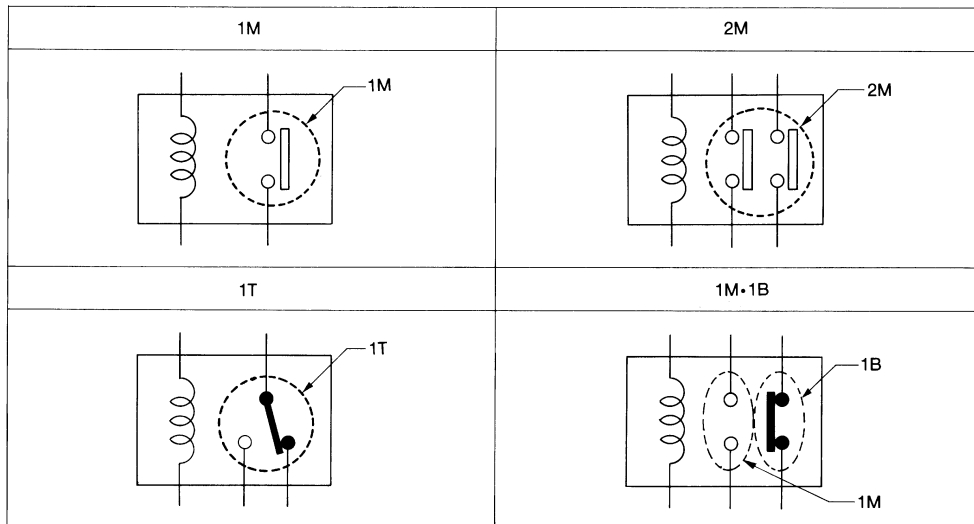
### TYPE OF STANDARDIZED RELAYS

1M ..... 1 Make

2M ..... 2 Make

1T ..... 1 Transfer

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



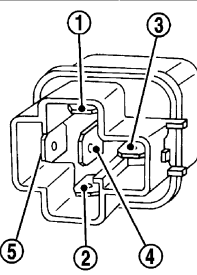
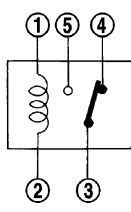
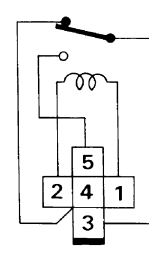
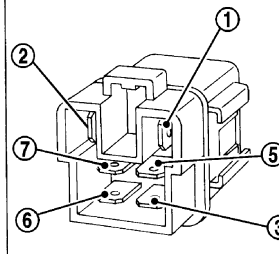
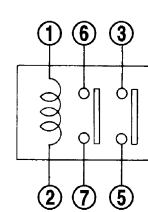
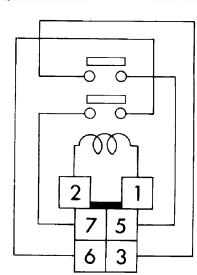
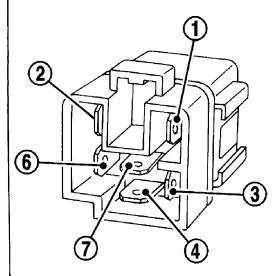
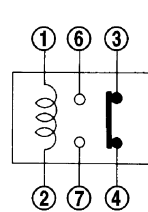
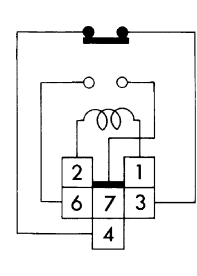
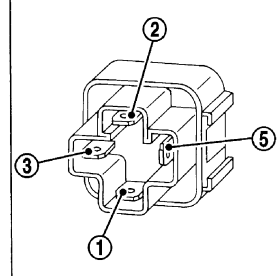
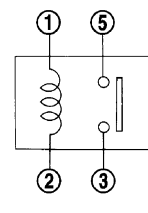
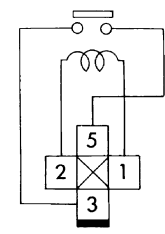
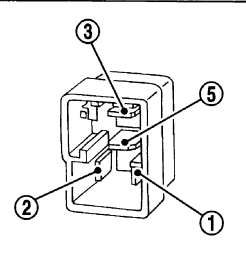
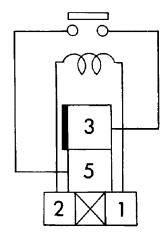
SEL882H



# STANDARDIZED RELAY

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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

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

SEL188W

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# FUSE BLOCK - JUNCTION BOX (J/B)

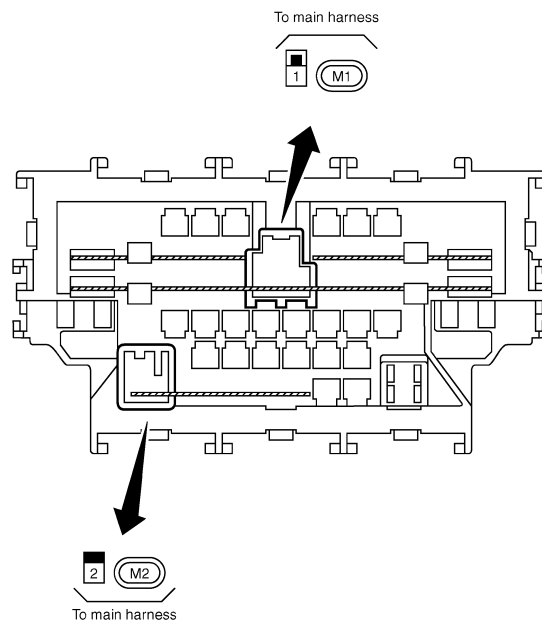
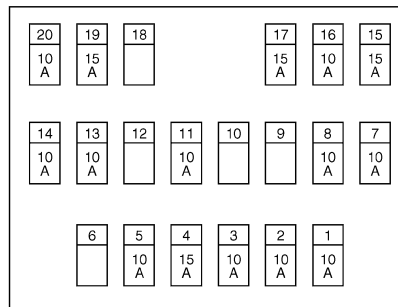
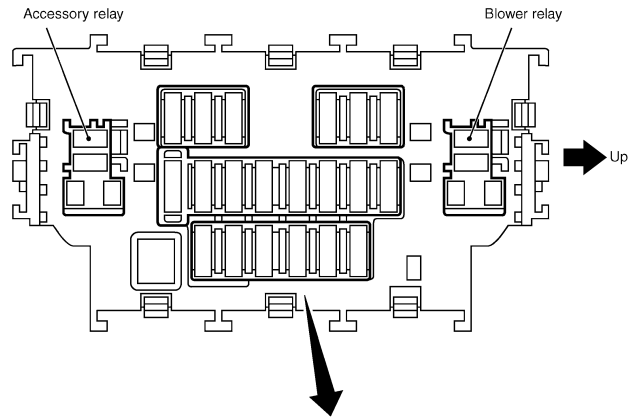
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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

### Fuse, Connector and Terminal Arrangement

INFOID:000000005071652



2009/02/27

JCMWM4161GB

# FUSE, FUSIBLE LINK AND RELAY BOX

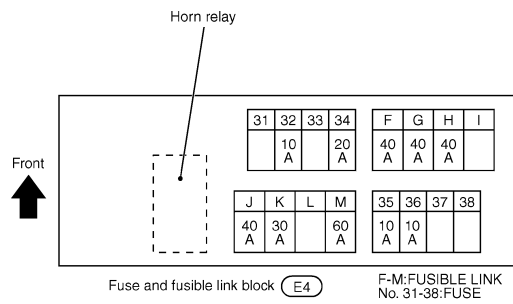
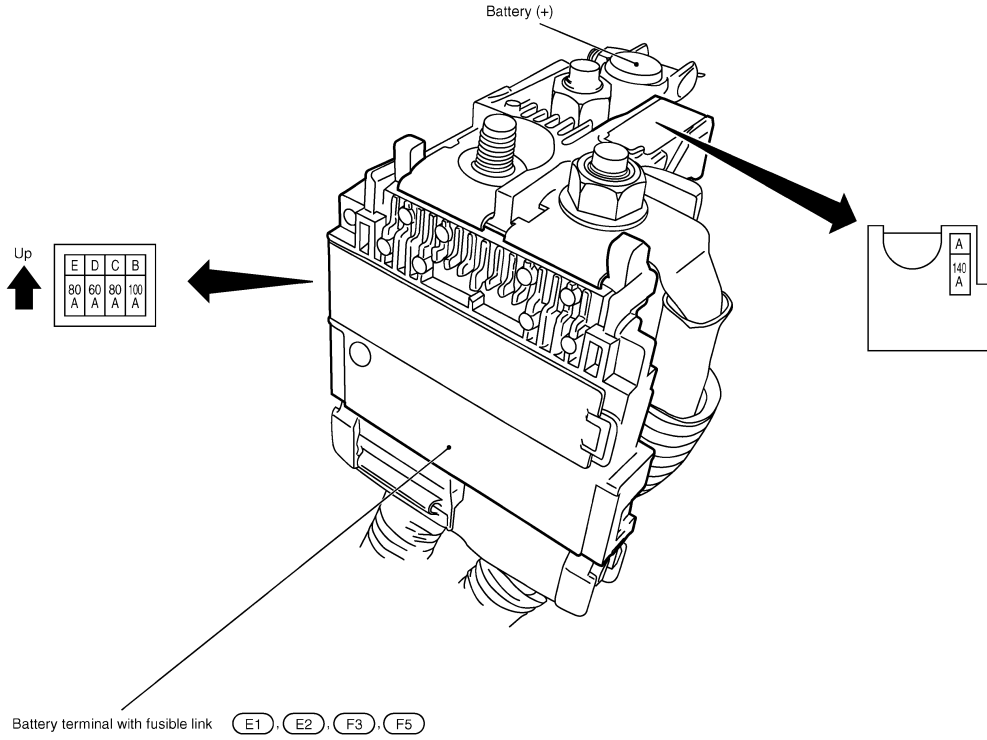
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## FUSE, FUSIBLE LINK AND RELAY BOX

### Fuse and Fusible Link Arrangement

INFOID:000000005071653



2009/02/27

JCMWM4162GB

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

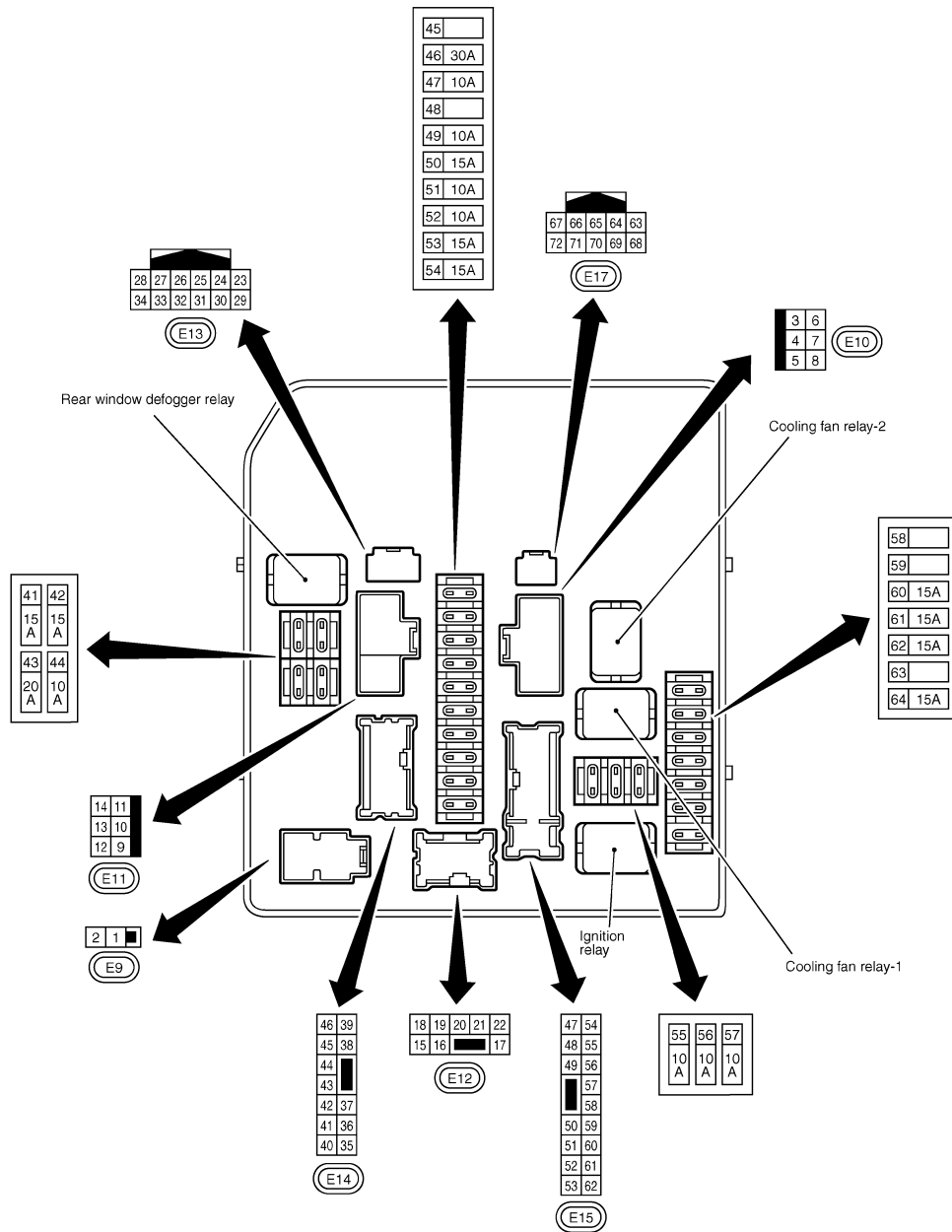
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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

### Fuse, Connector and Terminal Arrangement

INFOID:000000005071654



To engine room harness

2009/02/27

JCMWM4163GB

PRECAUTION

PRECAUTIONS

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

INFOID:000000005092606

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.

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# PREPARATION

[POWER SUPPLY & GROUND CIRCUIT]

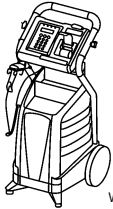
< PREPARATION >

## PREPARATION

### PREPARATION

#### Special Service Tools

INFOID:000000005071656

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

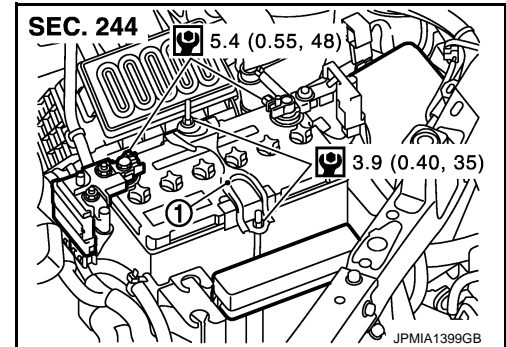
### BATTERY

#### Exploded View

INFOID:000000005092684

1 : Battery fix frame

Refer to [GI-4, "Components"](#) for symbols in the figure.



#### Removal and Installation

INFOID:000000005092685

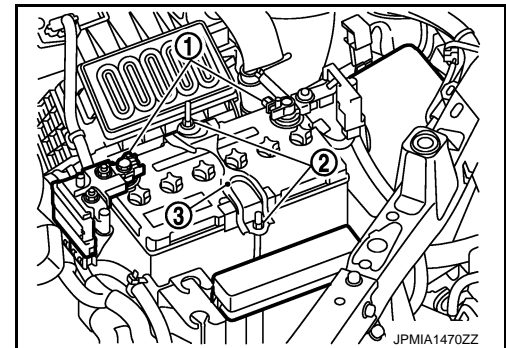
##### REMOVAL

1. Remove resonator.
2. Remove cover of battery positive terminal.
3. 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.**

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



##### INSTALLATION

Install in the reverse order of removal.

**CAUTION:**

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

Reset electronic systems as necessary. Refer to [GI-47, "ADDITIONAL SERVICE WHEN REMOVING BATTERY NEGATIVE TERMINAL : Required Procedure After Battery Disconnection"](#).

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# BATTERY TERMINAL WITH FUSIBLE LINK

< REMOVAL AND INSTALLATION >

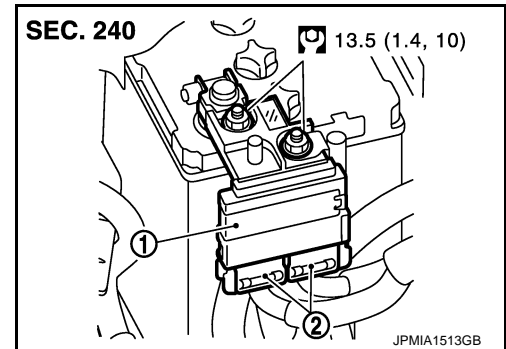
[POWER SUPPLY & GROUND CIRCUIT]

## BATTERY TERMINAL WITH FUSIBLE LINK

### Exploded View

INFOID:000000005092686

- 1 : Battery terminal with fusible link
  - 2 : Harness connector
- Refer to [Gl-4, "Components"](#) for symbols in the figure.

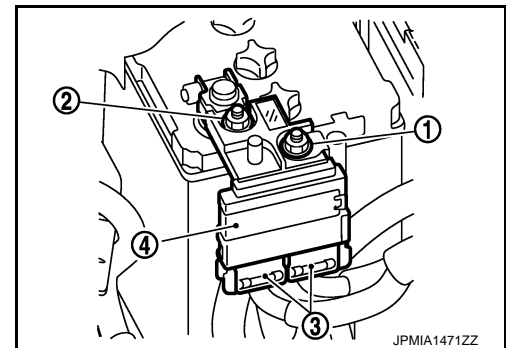


### Removal and Installation

INFOID:000000005092687

#### REMOVAL

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



#### INSTALLATION

Install in the reverse order of removal.



# 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:000000005071661

Type		55D23L
20 hour rate capacity	[V - Ah]	12 - 60
Cold cranking current (For reference value)	[A]	356

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