

SECTION **PG**

**POWER SUPPLY, GROUND & CIRCUIT ELEMENTS**

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# PRECAUTIONS

< PRECAUTION >

## PRECAUTION

### PRECAUTIONS

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

INFOID:000000011461984

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 SR and SB section of this Service Manual.

#### **WARNING:**

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

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

#### **WARNING:**

- When working near the Airbag Diagnosis Sensor Unit or other Airbag 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 three minutes before performing any service.

#### Precautions for Removing Battery Terminal

INFOID:000000011461985

- When removing the 12V battery terminal, turn OFF the ignition switch and wait at least 30 seconds.

#### **NOTE:**

ECU may be active for several tens of seconds after the ignition switch is turned OFF. If the battery terminal is removed before ECU stops, then a DTC detection error or ECU data corruption may occur.

- For vehicles with the 2-batteries, be sure to connect the main battery and the sub battery before turning ON the ignition switch.

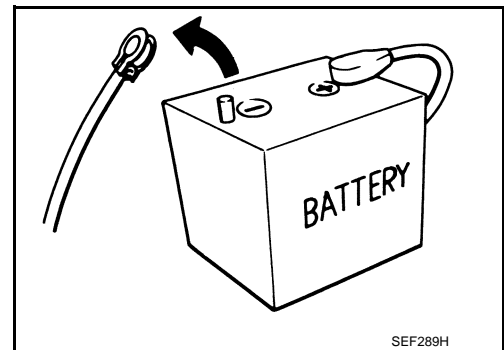
#### **NOTE:**

If the ignition switch is turned ON with any one of the terminals of main battery and sub battery disconnected, then DTC may be detected.

- After installing the 12V battery, always check "Self Diagnosis Result" of all ECUs and erase DTC.

#### **NOTE:**

The removal of 12V battery may cause a DTC detection error.



# PREPARATION

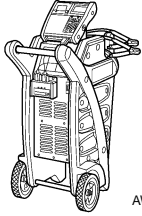
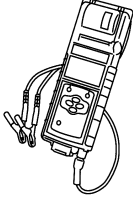
< PREPARATION >

## PREPARATION

### PREPARATION

#### Special Service Tools

INFOID:000000011461986

Tool number (Techmate No.) Tool name	Description
<p>— (→) Model GR8-1200 NI Multitasking battery and electrical diagnostic station</p>  <p>AWI1A1239ZZ</p>	<p>Tests batteries, starting and charging systems and charges batteries. For operating instructions, refer to diagnostic station instruction manual.</p>
<p>— (→) Model EXP-800 NI Battery and electrical diagnostic analyzer</p>  <p>JSMIA0806ZZ</p>	<p>Tests batteries and charging systems. For operating instructions, refer to diagnostic analyzer instruction manual.</p>

# COMPONENT PARTS

< SYSTEM DESCRIPTION >

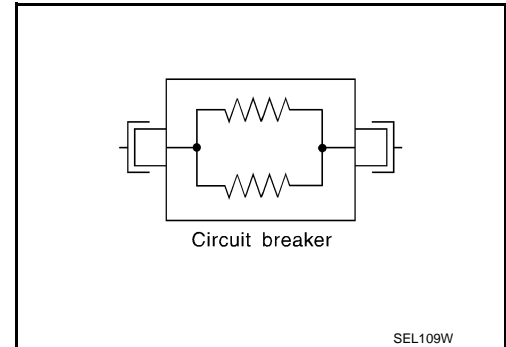
## SYSTEM DESCRIPTION

### COMPONENT PARTS

#### Circuit Breaker

INFOID:0000000011461987

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.



#### Battery

INFOID:0000000011461988

Type		80D23L-HR*
20 hour rate capacity	[V – Ah]	12 – 62
Cold cranking current (For reference value)	[A]	570

HR\*: Because of the frequent battery charge/discharge performed according to a driving condition and a battery condition, this model uses a charge/discharge capacity-enhanced battery. Therefore, it is recommended to use a genuine battery when replacement is needed.

#### Harness Connector

INFOID:0000000011461989

##### 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.**

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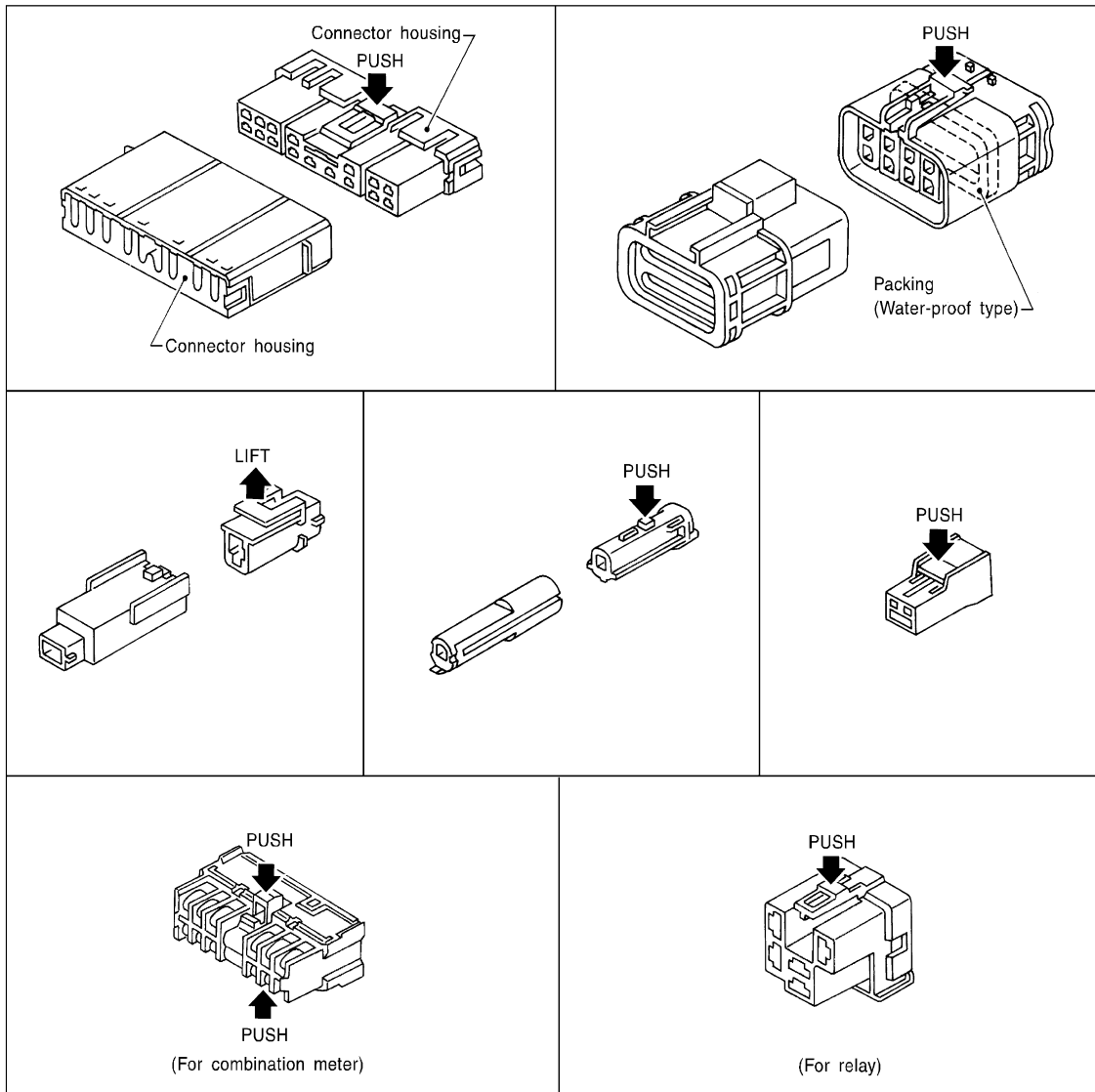
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# COMPONENT PARTS

## < SYSTEM DESCRIPTION >

[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.

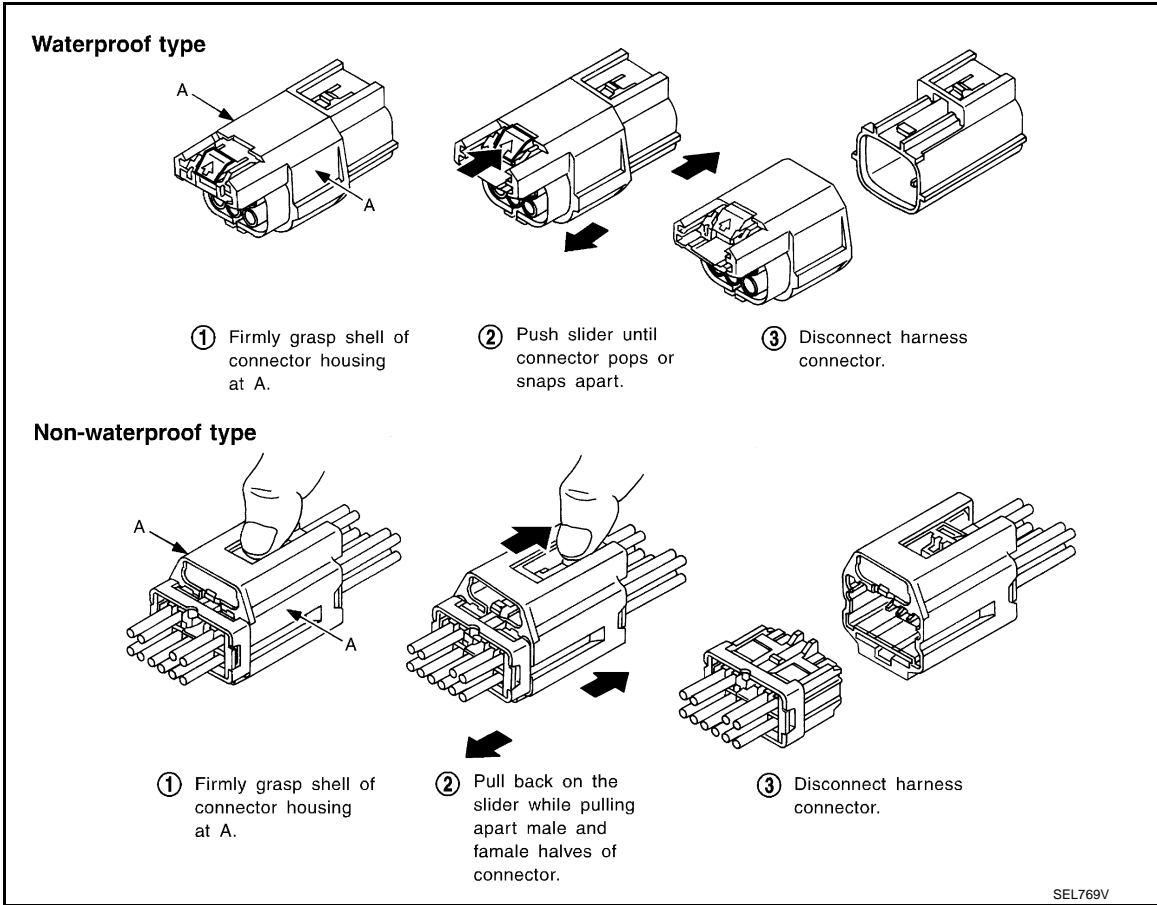
#### **CAUTION:**

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

# COMPONENT PARTS

## < SYSTEM DESCRIPTION >

[Example]



### HARNESS CONNECTOR (LEVER LOCKING TYPE)

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

**CAUTION:**

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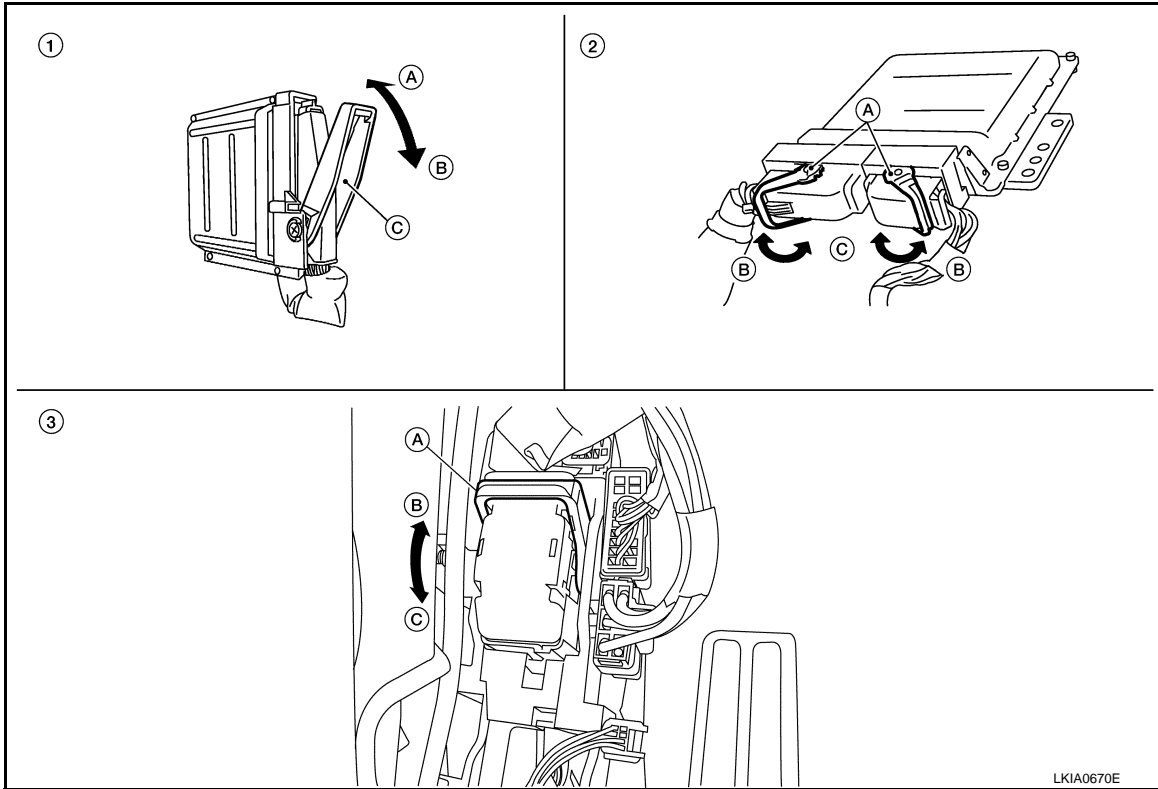
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# COMPONENT PARTS

## < SYSTEM DESCRIPTION >

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.



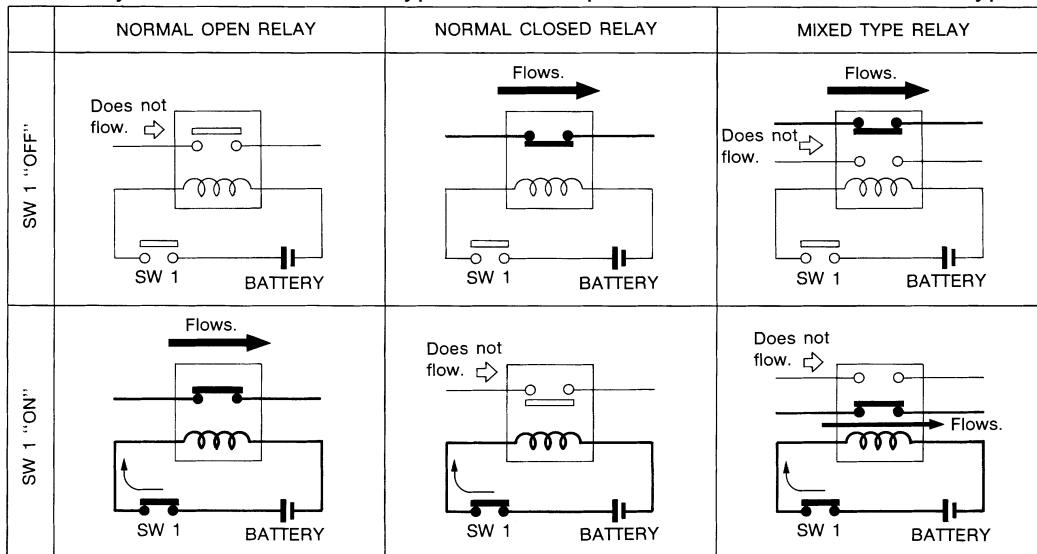
- |  |  |   |
|--|--|---|
| <p>1. Control unit with single lever</p> <p>A. Fasten</p> <p>B. Loosen</p> <p>C. Lever</p> | <p>2. Control unit with dual levers</p> <p>A. Levers</p> <p>B. Fasten</p> <p>C. Loosen</p> | <p>3. SMJ connector</p> <p>A. Lever</p> <p>B. Fasten</p> <p>C. Loosen</p> |
|--|--|---|

## Standardized Relay

INFOID:000000011461990

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

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



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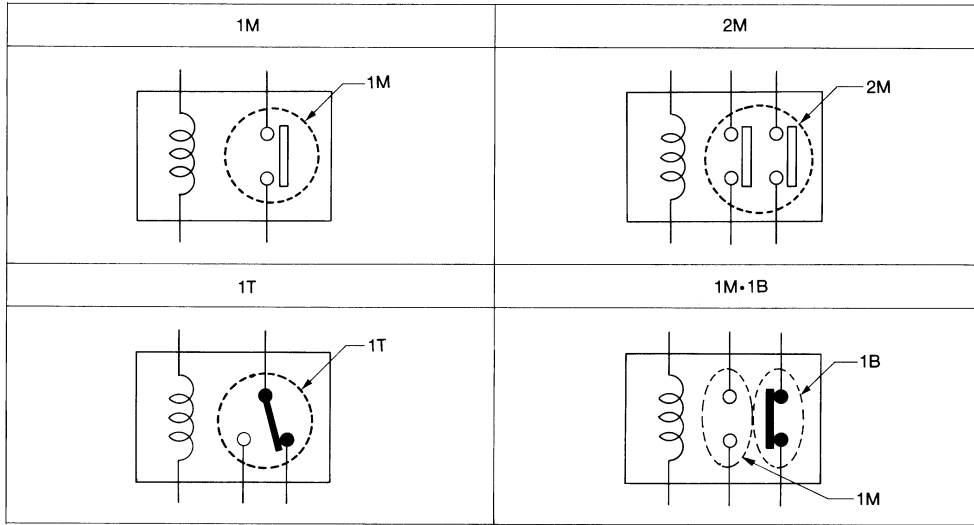
## TYPE OF STANDARDIZED RELAYS



# COMPONENT PARTS

## < SYSTEM DESCRIPTION >

1M ..... 1 Make                      2M ..... 2 Make  
 1T ..... 1 Transfer                  1M-1B ..... 1 Make 1 Break

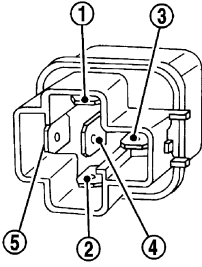
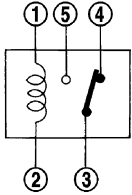
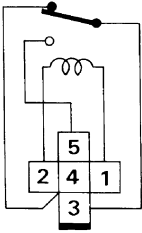
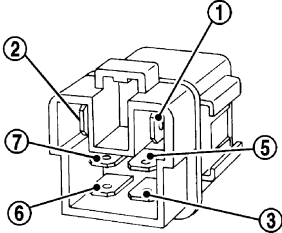
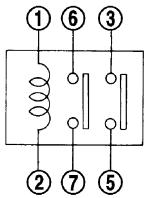
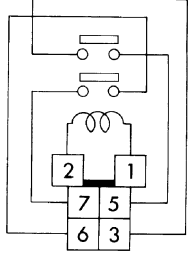
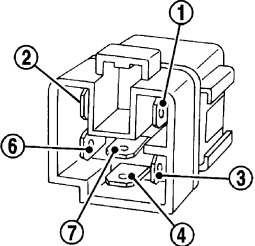
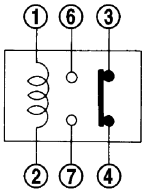
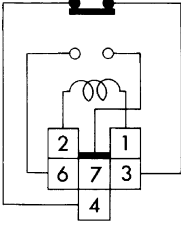
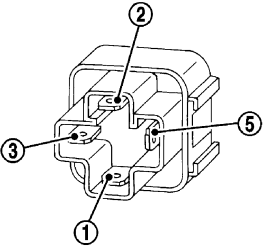
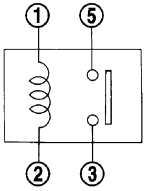
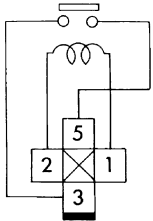
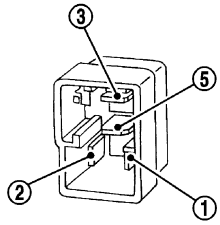
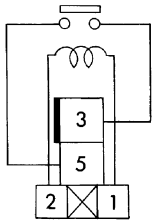


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# COMPONENT PARTS

## < SYSTEM DESCRIPTION >

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

# POWER SUPPLY ROUTING CIRCUIT

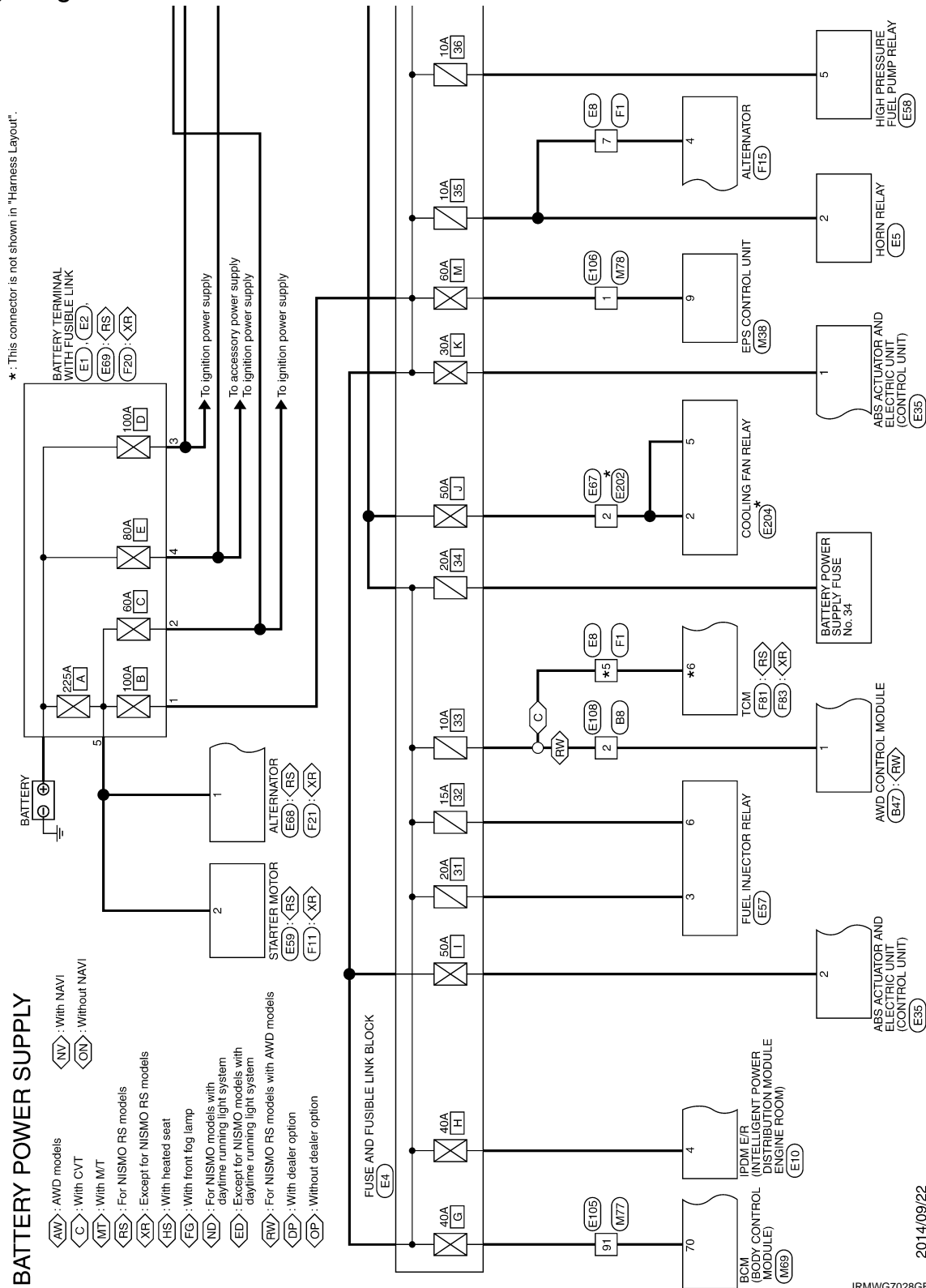
< WIRING DIAGRAM >

## WIRING DIAGRAM

### POWER SUPPLY ROUTING CIRCUIT

#### Wiring Diagram - BATTERY POWER SUPPLY -

INFOID:000000011461991



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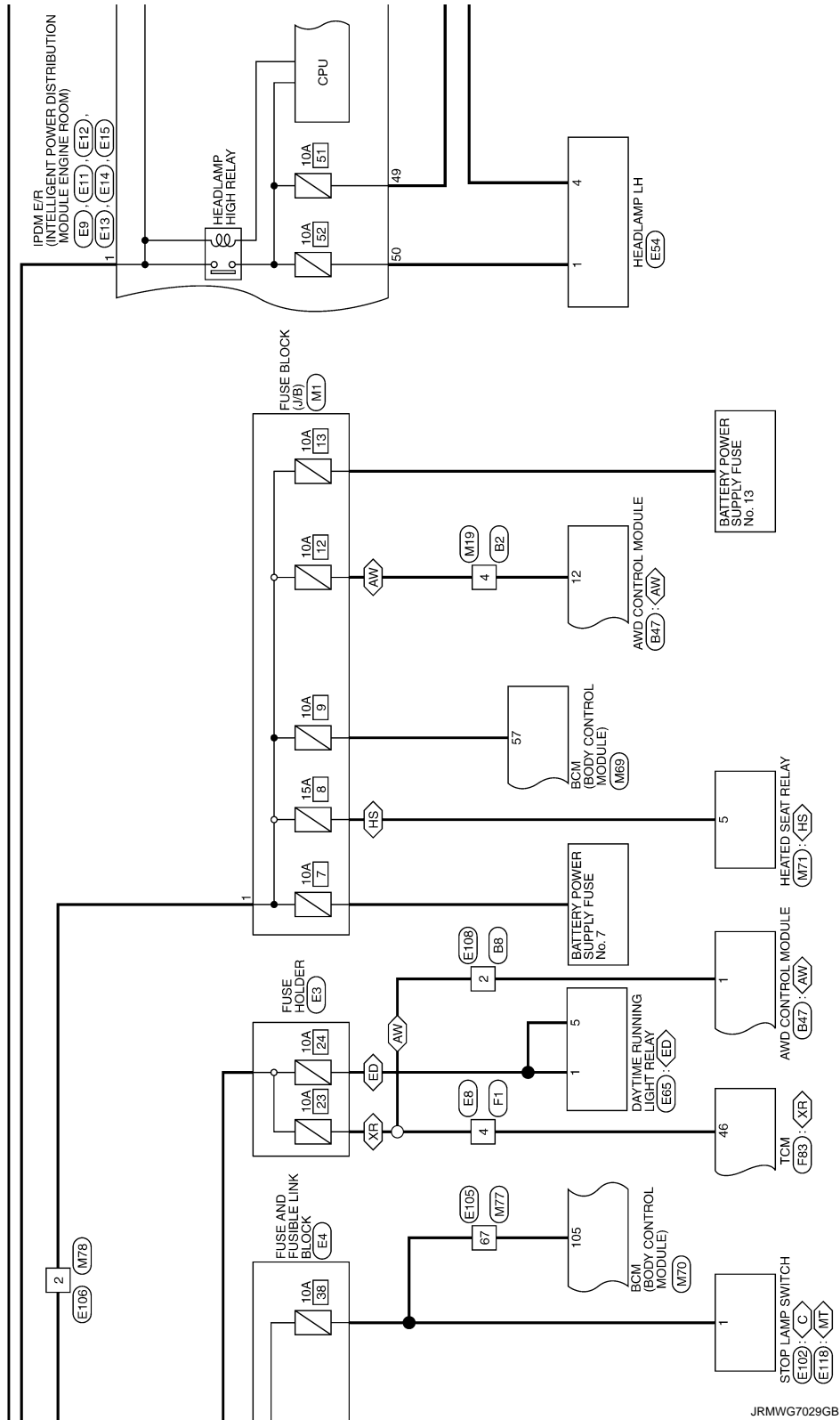
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JRMWG7028GB

# POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

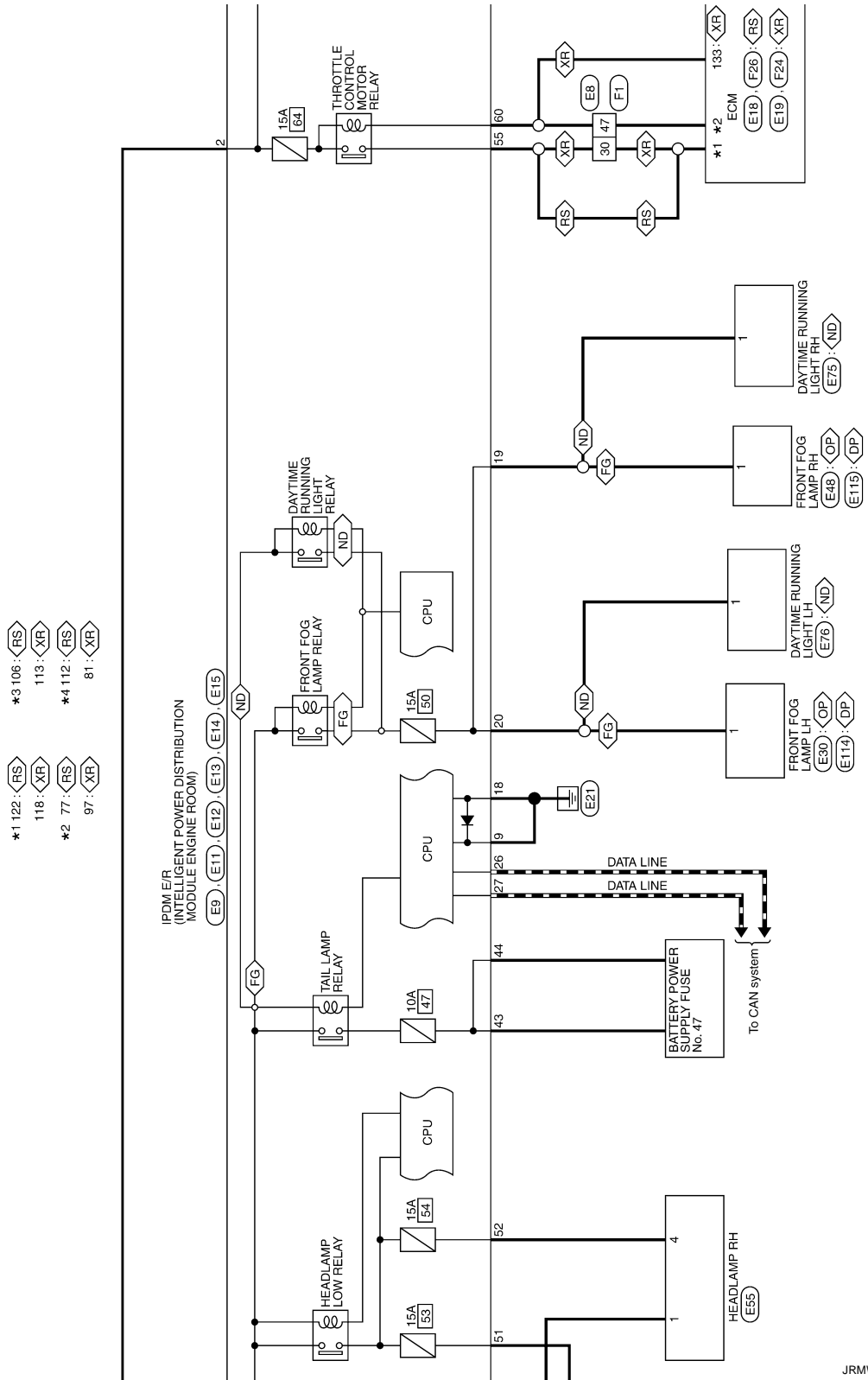
- \*5 4: <RS>
- 14: <XR>
- \*6 47: <BS>
- 45: <XR>



JRMWG7029GB

# POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

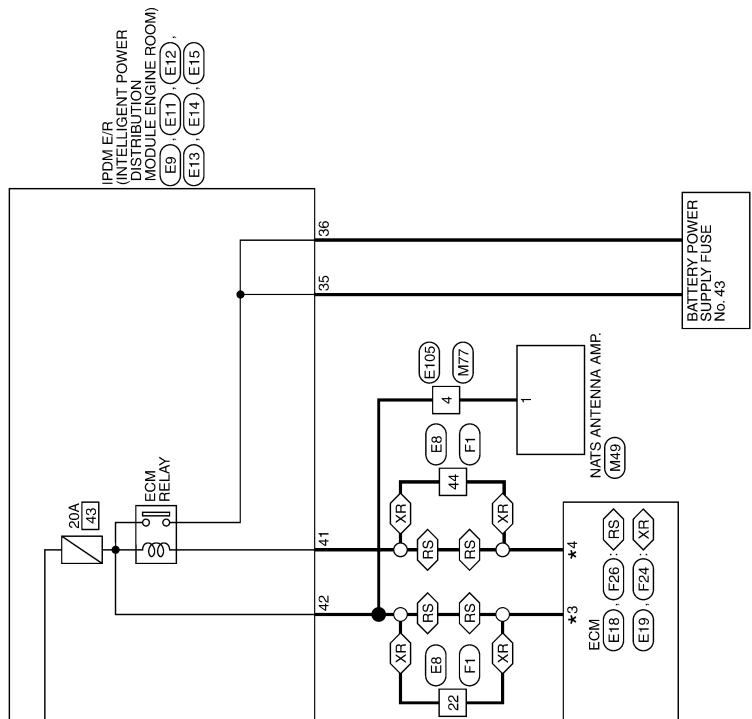


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# POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >



JRMWG7031GB

# POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

## BATTERY POWER SUPPLY

Connector No.	B2
Connector Name	WIRE TO WIRE
Connector Type	NS2BMW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
1	LG	-
2	Y	-
3	V	-
4	V	-
5	SB	-
6	V	-
7	V	-
8	SB	-
9	V	-
10	V	-
11	Y	-
12	GR	-
13	R	-
14	P	-
15	L	-
16	G	-

Connector No.	B8
Connector Name	WIRE TO WIRE
Connector Type	NS2MFW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	-
2	GR	-
3	GR	-
4	R	-

Connector No.	B21
Connector Name	EVAP CANISTER VENT CONTROL VALVE
Connector Type	EQ2EB-RS



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

Connector No.	B47
Connector Name	AMD CONTROL MODULE
Connector Type	TH2DFW-TB6



Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	BATTERY
3	LG	IGN SW
4	L	CAN-H
5	P	CAN-L
9	W	AMD-V SW
10	B	GND
11	B	GND
12	Y	SOL BATT
13	G	ZWD SW
21	Y	AMD SW
23	Y	AMD SOL L+
24	Y	AMD SOL L-
25	W	AMD SOL R+
26	Y	AMD SOL R-

Connector No.	B59
Connector Name	REAR COMBINATION LAMP RH
Connector Type	NS2BMW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	GR	-
3	GR	-
4	W	-
5	W	-
6	G	-

Connector No.	B74
Connector Name	WOOFER
Connector Type	NS2MFW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
1	SB	BATTERY
2	G	SOUND SIGNAL WOOFER (+)
3	B	GND
4	Y	WOOFER AMP. ON SIGNAL
5	SHIELD	SHIELD
6	R	SOUND SIGNAL WOOFER (-)

Connector No.	B80
Connector Name	REAR COMBINATION LAMP LH
Connector Type	NS2BMW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	GR	-
3	GR	-
4	V	-
5	V	-
6	G	-

Connector No.	D107
Connector Name	BACK DOOR OPENER SWITCH
Connector Type	TR2BMW-TV



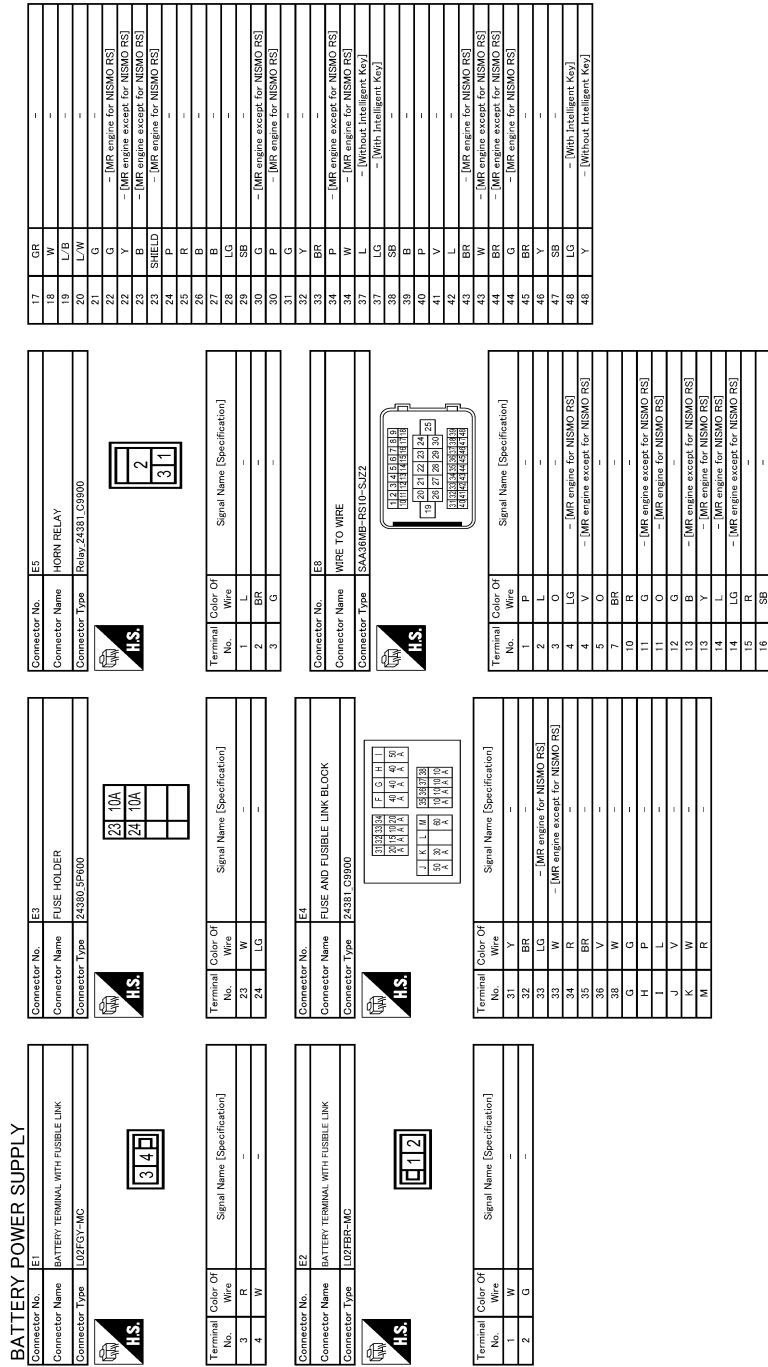
Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	-
2	B	-
3	SB	-
4	B	-
5	V	-
6	B	-

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JRMWG7032GB

# POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >





# POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

## BATTERY POWER SUPPLY

Connector No.	E9
Connector Name	INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	MODFB-4C



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

Connector No.	E10
Connector Name	INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	MODFB-LG



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

Connector No.	E11
Connector Name	INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	MODFB-LC



Terminal No.	Color	Wire	Signal Name [Specification]
9	BY		
14	R		

Connector No.	E12
Connector Name	INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	NSDFFBR-CS



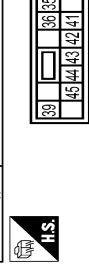
Terminal No.	Color	Wire	Signal Name [Specification]
18	GR		
19	R		[Without front fog lamp]
19	W		[With front fog lamp]
20	G		[Without front fog lamp]
20	V		[With front fog lamp]

Connector No.	E13
Connector Name	INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	TH12FW-NH



Terminal No.	Color	Wire	Signal Name [Specification]
23	SB		
24	BL		
26	SP		
27	L		
27	L		
28	Y		
30	Y		
31	Y		
32	R		
33	G		
34	L		

Connector No.	E14
Connector Name	INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	NS12FBR-CS



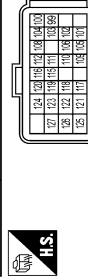
Terminal No.	Color	Wire	Signal Name [Specification]
35	G		
36	P		
37	BR		
42	Y		
43	L		
44	BR		
45	W		

Connector No.	E15
Connector Name	INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	NS18FW-CS



Terminal No.	Color	Wire	Signal Name [Specification]
48	BR		
49	G		
51	L		
51	L		
52	P		
54	P		
55	G		
56	SB		
57	O		
58	LG		
59	V		
60	SB		
61	LG		
62	BE		

Connector No.	E18
Connector Name	ECM
Connector Type	RP24FDY-RZF-R-RH



Terminal No.	Color	Wire	Signal Name [Specification]
95	RP		CAN COMMUNICATION LINE (CAN-L)
96	L		CAN COMMUNICATION LINE (CAN-H)
100	L		SENSOR POWER SUPPLY
101	R		ACCELERATOR PEDAL POSITION SENSOR 1
102	R		PNP SIGNAL
103	BR		
104	R		DATA LINK CONNECTOR

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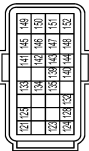
# POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

### BATTERY POWER SUPPLY

106	GR	SENSOR GROUND
107	GR	POWER SUPPLY FOR ECM (BACKUP)
108	GR	CLUTCH PEDAL POSITION SWITCH
109	O	IGNITION SWITCH
110	P	ASCD STEERING SWITCH
111	B	SENSOR GROUND
112	BR	ECM RELAY (SELF SHUT-OFF)
115	R	STOP LAMP SWITCH
116	G	BRAKE PEDAL POSITION SWITCH
117	Y	FUEL PUMP RELAY
118	O	SENSOR POWER SUPPLY
119	W	ACCELERATOR PEDAL POSITION SENSOR 2
120	Y	SENSOR GROUND
121	G	POWER SUPPLY FOR ECM
122	G	THROTTLE POSITION SENSOR POWER SUPPLY
123	GR	ECM GROUND
124	GR	ECM GROUND
125	L	A/F SENSOR-1 HEATER
126	W	HEATED OXYGEN SENSOR 2 HEATER
127	GR	ECM GROUND

Connector No.	IE19
Connector Name	ECM
Connector Type	RH24RF-R28-L-LH



Terminal No.	Color Of Wire	Signal Name [Specification]
121	L	EVAP CONTROL SYSTEM PRESSURE SENSOR
123	P	CAN COMMUNICATION LINE (CAN-L)
124	L	CAN COMMUNICATION LINE (CAN-H)
125	G	SENSOR POWER SUPPLY
128	SB	FUEL TANK TEMPERATURE SENSOR
132	GR	CLUTCH PEDAL POSITION SWITCH
134	G	STOP LAMP SWITCH
135	B	ASCD STEERING SWITCH
135	B	SENSOR GROUND
139	R	STOP LAMP SWITCH
140	G	BRAKE PEDAL POSITION SWITCH
141	L	EVAP CANISTER VENT CONTROL VALVE
142	O	SENSOR POWER SUPPLY
143	W	ACCELERATOR PEDAL POSITION SENSOR 2

144	Y	SENSOR GROUND
145	G	POWER SUPPLY FOR ECM
146	V	SENSOR POWER SUPPLY
147	GR	ECM GROUND
148	Y	SENSOR GROUND
149	GR	ECM GROUND
150	R	ACCELERATOR PEDAL POSITION SENSOR 1
151	GR	SENSOR GROUND
152	GR	ECM GROUND

Connector No.	IE28
Connector Name	PARKING LAMP LH
Connector Type	RS03FGV



Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	--
2	B	--

Connector No.	IE39
Connector Name	CLUTCH INTERLOCK SWITCH
Connector Type	MMAFW-LC



Terminal No.	Color Of Wire	Signal Name [Specification]
3	LG	--
4	BR	--

Connector No.	IE30
Connector Name	FRONT FOG LAMP LH
Connector Type	RH20ZFB



Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	--
2	B	--

Connector No.	IE31
Connector Name	FRONT SIDE MARKER LAMP LH
Connector Type	TOZFB



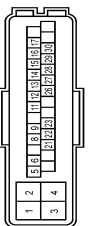
Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	--
2	B/R	--

Connector No.	IE32
Connector Name	FRONT SIDE MARKER LAMP RH
Connector Type	TOZFB



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	--
2	B	--

Connector No.	IE35
Connector Name	AS ACTUATOR AND ELECTRIC JAM (COMMON JAM)
Connector Type	RH28RF-NJ4-LH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	BAT. (MTR)
2	L	BAT. (SOL)
3	B	GND (SOL)
4	B	GND (MTR)
5	R	VDDC OFF SW
6	G	ASCD CANCEL SW
8	R	STOP LAMP SW
9	P	CAN-L
11	BR	DP-RR
12	W	DS-PR
13	G	SEBALL
15	Y	DS-PR
16	V	IGN
17	W	REVERSE SIGNAL
21	Y	DP-FR
22	L	CAN-H
23	LG	DP-FL

# POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

## BATTERY POWER SUPPLY

26	G	RR LH SENS VB
27	BR	DEL
28	W	RS4L
29	W	RS4L
30	BE	RRLH SENS SIG

Connector No.	E44
Connector Name	PARKING LAMP RH
Connector Type	RS02FGY



Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	-
2	B	-

Connector No.	E48
Connector Name	FRONT FOG LAMP RH
Connector Type	FH202FB



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	B	-

Connector No.	E54
Connector Name	HEADLAMP LH
Connector Type	RS04FGY-PR



Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	-
2	GR	- [With halogen lamp]
3	B	- [With xenon lamp]
4	L	-

Connector No.	E55
Connector Name	HEADLAMP RH
Connector Type	RS04FGY-PR



Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
2	B	- [With halogen lamp]
3	B	- [Without daytime running light system]
4	P	- [With daytime running light system]

Connector No.	E57
Connector Name	FUEL INJECTOR RELAY
Connector Type	MS08FB-R-LC



Terminal No.	Color Of Wire	Signal Name [Specification]
1	LG	-
2	YK	-
3	L/B	-
4	BR	-
5	L/W	-
6	L/W	-
7	L/W	-

Connector No.	E58
Connector Name	HIGH PRESSURE FUEL PUMP RELAY
Connector Type	MS02FL-M2-LC



Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	-
2	G	-
3	Y	-
5	V	-

Connector No.	E59
Connector Name	STARTER MOTOR
Connector Type	Z4340-EM03B



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

Connector No.	E65
Connector Name	DAYTIME RUNNING LIGHT RELAY
Connector Type	MS03FB-M2-LC



Terminal No.	Color Of Wire	Signal Name [Specification]
2	LG	-
3	Y	-
4	B	-
5	LG	-

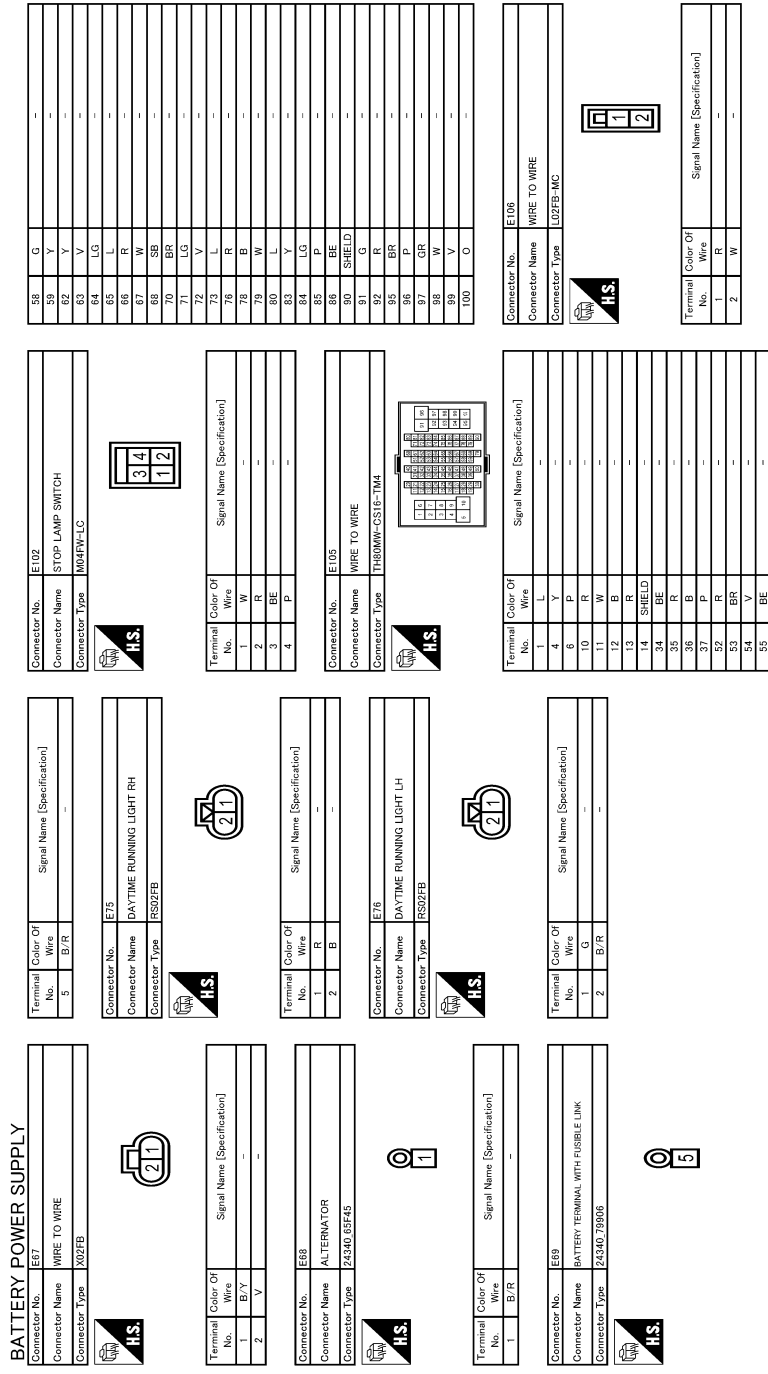
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# POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >



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# POWER SUPPLY ROUTING CIRCUIT

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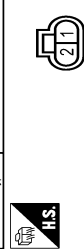
## BATTERY POWER SUPPLY

Connector No.	E108
Connector Name	WIRE TO WIRE
Connector Type	NSAMM-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
1	P	-
2	LG	-
3	BR	- [MR engine except for NISMO RS]
4	P	- [MR engine except for NISMO RS]

Connector No.	E114
Connector Name	FRONT FOG LAMP LH
Connector Type	FHZ02FB



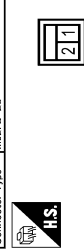
Terminal No.	Color Of Wire	Signal Name [Specification]
1	V	-
2	B	-

Connector No.	E115
Connector Name	FRONT FOG LAMP RH
Connector Type	FHZ02FB



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	B	-

Connector No.	E118
Connector Name	STOP LAMP SWITCH
Connector Type	M02FB-LC



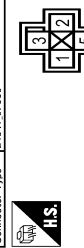
Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	R	-

Connector No.	E202
Connector Name	WIRE TO WIRE
Connector Type	X02MB



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

Connector No.	E204
Connector Name	COOLING FAN RELAY
Connector Type	24347 9F900



Terminal No.	Color Of Wire	Signal Name [Specification]
1	R/V	-
2	V	-
3	R/W	-
5	V	-

Connector No.	F1
Connector Name	WIRE TO WIRE
Connector Type	S4A36FB-RSD-SLZZ



Terminal No.	Color Of Wire	Signal Name [Specification]
1	P	-
2	W	-
3	V	- [MR engine except for NISMO RS]
4	Y	- [MR engine for NISMO RS]
5	BR	- [MR engine except for NISMO RS]
6	LG	-
7	G	-
10	R	- [MR engine except for NISMO RS]
10	Y	- [MR engine for NISMO RS]
11	G	- [MR engine except for NISMO RS]
11	Y	- [MR engine for NISMO RS]
12	G	-
13	B	- [MR engine except for NISMO RS]
13	BG	- [MR engine for NISMO RS]
14	V	- [MR engine except for NISMO RS]
14	Y	- [MR engine for NISMO RS]
15	BR	- [MR engine except for NISMO RS]
16	P	-
17	SB	-
18	G	-
19	G	-
20	BR	-
21	G	-
22	BR	- [MR engine for NISMO RS]
22	Y	- [MR engine except for NISMO RS]
23	B	-
24	R	-
25	R	-
26	B	-
27	B	-
28	R	-
29	W	-
30	GR	- [MR engine except for NISMO RS]
30	R	- [MR engine for NISMO RS]
31	BG	-

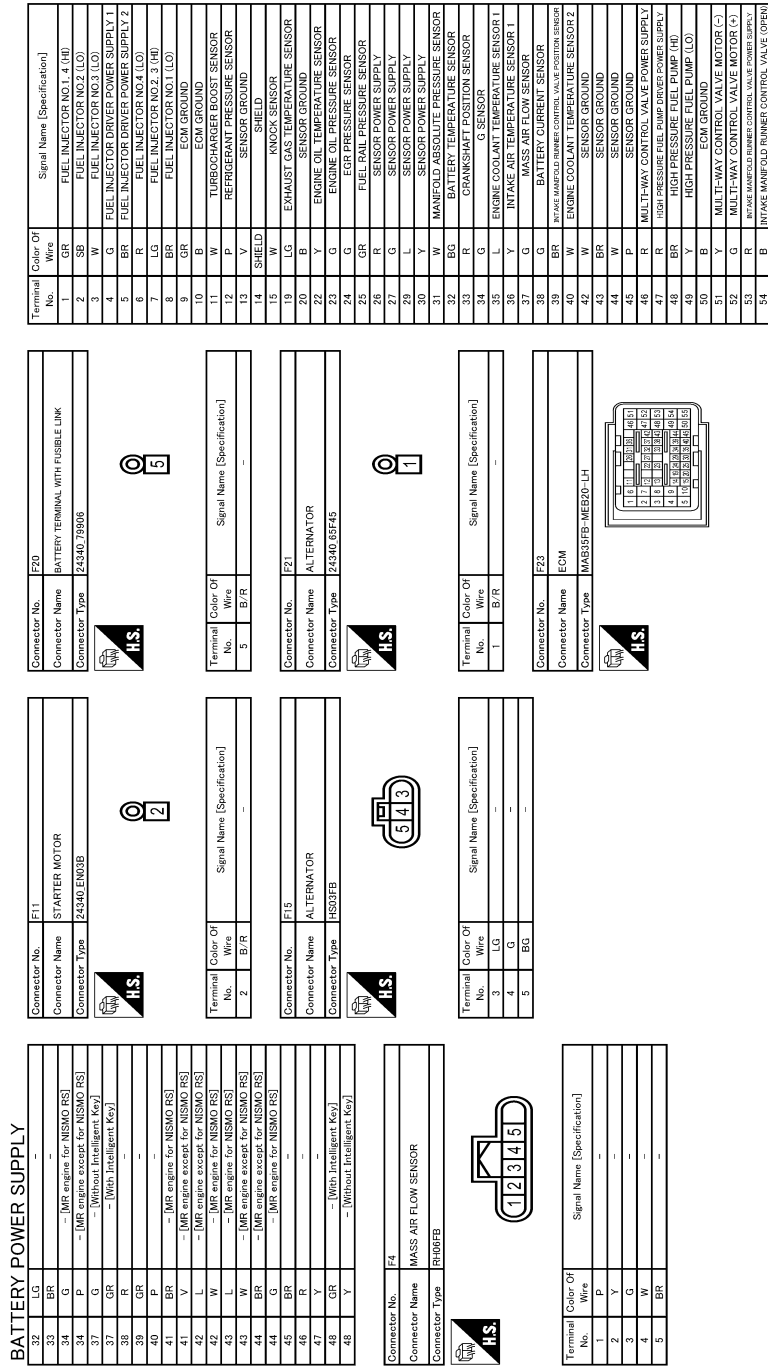
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# POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >



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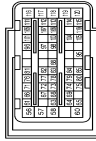
# POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

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## BATTERY POWER SUPPLY

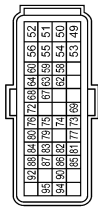
35	W	INTAKE MANIFOLD RUNNER CONTROL VALVE (CLOSE)
Connector No.	F24	
Connector Name	ECM	
Connector Type	MB655FB-ME810-LH	



Terminal No.	Color Of Wire	Signal Name [Specification]
56	R	EGR VOLUME CONTROL VALVE POWER SUPPLY
57	W	EGR VOLUME CONTROL VALVE MOTOR (+)
58	R	EGR VOLUME CONTROL VALVE MOTOR (-)
60	B	ECM GROUND
61	W	SENSOR POWER SUPPLY
63	L	SENSOR GROUND
64	SHIELD	SHIELD
65	R	WASTEGATE CONTROL VALVE POSITION SENSOR
66	G	SENSOR POWER SUPPLY
67	BR	CRANKSHAFT POSITION SENSOR
68	GR	EGR VOLUME CONTROL VALVE POSITION SENSOR
69	LG	EXHAUST VALVE TIMING CONTROL SOLENOID SENSOR
70	B	SENSOR GROUND
72	B	SENSOR GROUND
73	GR	SENSOR POWER SUPPLY
74	B	A/F SENSOR 1
75	L	MULTI-WAY CONTROL VALVE POSITION SENSOR
76	R	EGR TEMPERATURE SENSOR
77	V	INTAKE AIR TEMPERATURE SENSOR 2
78	R	SENSOR GROUND
79	W	A/F SENSOR 1
80	W	THROTTLE POSITION SENSOR 2
81	BR	ECM RELAY (SELF SHUT-OFF)
82	Y	FUEL PUMP RELAY
83	B	SENSOR POWER SUPPLY
84	W	HEATED OXGEN SENSOR 2
85	C	CRANKSHAFT POSITION SENSOR 1
86	LG	IGNITION SIGNAL NO.1
96	R	IGNITION SIGNAL NO.1
97	Y	THROTTLE CONTROL MOTOR RELAY
98	R	ENGINE OIL PRESSURE CONTROL SOLENOID VALVE
101	SB	IGNITION SIGNAL NO.4

Terminal No.	Color Of Wire	Signal Name [Specification]
100	BR	RPM SIGNAL
101	GR	IGNITION SIGNAL NO.3
105	BR	TURBOCHARGER EXHAUST CONTROL VALVE
106	R	ELECTROVALVE CONTROL ACTUATOR MOTOR (A)
107	L/Y	ELECTROVALVE CONTROL ACTUATOR MOTOR (B)
108	P/L	ELECTROVALVE CONTROL ACTUATOR MOTOR (C)
110	B	ECM GROUND
111	W	INTAKE VALVE TIMING CONTROL SOLENOID VALVE
112	G	EXHAUST VALVE TIMING CONTROL SOLENOID VALVE
113	Y	POWER SUPPLY FOR ECM (ENGINE OFF TIMER)
114	L	INTAKE VALVE TIMING CONTROL SOLENOID VALVE
115	L	EVAP CANISTER PURGE VOLUME CONTROL SOLENOID VALVE
116	G	A/F SENSOR 1 HEATER
117	G	HEATED OXGEN SENSOR 2 HEATER
118	GR	THROTTLE CONTROL MOTOR POWER SUPPLY
119	BR	THROTTLE CONTROL MOTOR (CLOSE)
120	BR	THROTTLE CONTROL MOTOR (CLOSE)

Connector No.	F76
Connector Name	ECM
Connector Type	RH40FBR-R28-L-RH



Terminal No.	Color Of Wire	Signal Name [Specification]
49	G	FUEL INJECTOR DRIVER POWER SUPPLY 1
50	B	ECM GROUND (HIGH PRESSURE FUEL PUMP)
51	GR	THROTTLE CONTROL MOTOR (OPEN)
52	BR	THROTTLE CONTROL MOTOR (CLOSE)
53	BR	FUEL INJECTOR DRIVER POWER SUPPLY 2
54	R	HIGH PRESSURE FUEL PUMP DRIVER POWER SUPPLY
55	BR	HIGH PRESSURE FUEL PUMP (HI)
58	Y	HIGH PRESSURE FUEL PUMP (LO)
58	G	SENSOR POWER SUPPLY
59	L	SENSOR GROUND
62	W	SENSOR POWER SUPPLY
63	B	SENSOR POWER SUPPLY
64	R	CRANKSHAFT POSITION SENSOR (PHASE)
67	LG	EXHAUST VALVE TIMING CONTROL POSITION SENSOR
68	Y	SENSOR POWER SUPPLY
69	L	EVAP CANISTER VENT CONTROL VALVE

Connector No.	F45
Connector Name	ENGINE OIL PRESSURE CONTROL SOLENOID VALVE
Connector Type	RH02LEY



Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	YCC
2	R	SIGNAL

Connector No.	F54
Connector Name	THROTTLE BOOST CONTROL SOLENOID VALVE
Connector Type	EDZF-RS-LGY



Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	-
2	R	-

Terminal No.	Color Of Wire	Signal Name [Specification]
72	GR	SENSOR POWER SUPPLY
74	R	TURBOCHARGER CONTROL SOLENOID VALVE
74	R	SENSOR GROUND
75	G	THROTTLE POSITION SENSOR 1
76	W	THROTTLE POSITION SENSOR 2
77	Y	THROTTLE CONTROL RELAY
79	BG	BATTERY TEMPERATURE SENSOR
80	G	BATTERY CURRENT SENSOR
81	W	INTAKE VALVE TIMING CONTROL SOLENOID VALVE
82	R	IGNITION SIGNAL NO.1
83	G	G SENSOR
84	P	FUEL TANK TEMPERATURE SENSOR
85	G	EXHAUST VALVE TIMING CONTROL SOLENOID VALVE
86	LG	IGNITION SIGNAL NO.2
87	BR	SENSOR GROUND
88	BR	IGNITION SIGNAL NO.2
89	P	INTAKE VALVE TIMING CONTROL SOLENOID VALVE
92	R	CRANKING ENABLE SIGNAL
94	SB	IGNITION SIGNAL NO.4
95	L	EVAP CANISTER PURGE VOLUME CONTROL SOLENOID VALVE

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



















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

# POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

## BATTERY POWER SUPPLY

Connector No. F82	Connector Name INTAKE VALVE TIMING CONTROL SOLENOID VALVE	Connector Type E02FBR-RS-CY		
Terminal No.	Color Of Wire	Signal Name [Specification]		
1	W	--		
2	R	--		
Connector No. F83	Connector Name INTAKE VALVE TIMING INTERMEDIATE LOCK CONTROL SOLENOID VALVE	Connector Type E02FBR-RS-CY		
Terminal No.	Color Of Wire	Signal Name [Specification]		
1	L			
2	R			
Connector No. F84	Connector Name TURBOCHARGER BYPASS CONTROL VALVE	Connector Type RH0ZEBR		
Terminal No.	Color Of Wire	Signal Name [Specification]		
2	BR	VCS SIGNAL		
Connector No. F69	Connector Name HEATED OXYGEN SENSOR 2	Connector Type RH04MB		
Terminal No.	Color Of Wire	Signal Name [Specification]		
1	R	--		
2	R	--		
3	G	--		
4	W	--		
Connector No. F70	Connector Name AIR FUEL RATIO (A/F) SENSOR 1	Connector Type RH04MLGY		
Terminal No.	Color Of Wire	Signal Name [Specification]		
2	B	--		
3	G	--		
4	R	--		
Connector No. F71	Connector Name HEATED OXYGEN SENSOR 2	Connector Type RH04FDGY-P		
Terminal No.	Color Of Wire	Signal Name [Specification]		
1	R	--		
2	W	--		
3	G	--		
4	R	--		
Connector No. F72	Connector Name AIR FUEL RATIO (A/F) SENSOR 1	Connector Type RH04FEP-P		
Terminal No.	Color Of Wire	Signal Name [Specification]		
2	W	--		
3	G	--		
4	R	--		
Connector No. F81	Connector Name TCM	Connector Type RH040FB-R28-L-RH		
Terminal No.	Color Of Wire	Signal Name [Specification]		
31	W	31		
32	W	32		
33	W	33		
34	W	34		
35	W	35		
36	W	36		
37	W	37		
38	W	38		
39	W	39		
40	W	40		
41	W	41		
42	W	42		
Terminal No.	Color Of Wire	Signal Name [Specification]		
1	G	R RANGE SW		
2	Y	N RANGE SW		
3	W	D RANGE SW		
4	V	--		
5	B	GROUND		
6	BR	CLOCK (SEL 2)		
7	W	DATE I/O (SEL 3)		
8	G	CHIP SELECT (SEL 1)		
9	W	DATE I/O (SEL 3)		
10	W	DATE I/O (SEL 3)		
11	W	DATE I/O (SEL 3)		
12	W	DATE I/O (SEL 3)		
13	SP	CVT FLUID TEMPERATURE SENSOR		
14	SP	SECONDARY PRESSURE SENSOR		
15	P	SENSOR GROUND		
25	Y	SENSOR POWER SUPPLY		
26	LG	STEP MOTOR D		
27	GR	STEP MOTOR C		
28	V	STEP MOTOR B		
29	BG	STEP MOTOR A		

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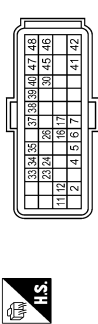
# POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

**BATTERY POWER SUPPLY**

30	R	STEP MOTOR A
31	P	GROUND
32	L	BATTERY POWER SUPPLY
33	EG	CAN-L
33	EG	PRIMARY SPEED SENSOR
34	R	SECONDARY SPEED SENSOR
37	L	LOCK-UP SELECT SOLENOID VALVE
38	G	TORQUE CONVERTER CLUTCH SOLENOID VALVE
39	W	SECONDARY PRESSURE SOLENOID VALVE
40	Y	LINE PRESSURE SOLENOID VALVE
42	B	GROUND
46	LG	IGNITION POWER SUPPLY
47	EG	BATTERY POWER SUPPLY (MEMORY BACK-UP)
48	Y	IGNITION POWER SUPPLY

Connector No.	F33
Connector Name	TCM
Connector Type	RH40BE-R28-L-RH



Terminal No.	Color Of Wire	Signal Name [Specification]
2	RY	D RANGE SW
3	W	N RANGE SW
5	LG	R RANGE SW
6	G	P RANGE SW
7	SB	SENSOR GROUND
11	Y	CVT FLUID TEMPERATURE SENSOR
12	SB	SECONDARY PRESSURE SENSOR
16	P	PRIMARY PRESSURE SENSOR
17	P	CAN-L
23	P	INPUT SPEED SENSOR
24	Y	SENSOR POWER SUPPLY
26	LG	LINE PRESSURE SOLENOID VALVE
30	Y	OUTPUT SPEED SENSOR
33	L	PRIMARY SPEED SENSOR
35	EG	SELECT SOLENOID VALVE
37	L	TORQUE CONVERTER CLUTCH SOLENOID VALVE
38	LG	SECONDARY PRESSURE SOLENOID VALVE
39	G	LINE PRESSURE SOLENOID VALVE
40	W	PRIMARY PRESSURE SOLENOID VALVE
41	B	GROUND

42	B	GROUND
43	V	BATTERY POWER SUPPLY
46	CB	BATTERY POWER SUPPLY
47	LG	IGNITION POWER SUPPLY
48	W	IGNITION POWER SUPPLY

Connector No.	F 00
Connector Name	ENGINE VALVE TRIP CONTROL SOLENOID VALVE
Connector Type	EO2FD-RS-LGY



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

Connector No.	F106
Connector Name	EVAP CANISTER PURGE VOLUME CONTROL SOLENOID VALVE
Connector Type	EO2FE-RS-LGY



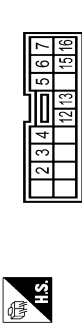
Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	- [MR engine except for NISMO RS]
1	L	- [MR engine for NISMO RS]
2	G	- [MR engine for NISMO RS]
2	L	- [MR engine except for NISMO RS]

Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	L01FW-MC



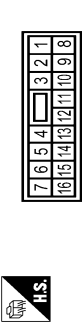
Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-

Connector No.	M7
Connector Name	DOOR MIRROR REMOTE CONTROL SWITCH
Connector Type	TK1BFW



Terminal No.	Color Of Wire	Signal Name [Specification]
2	P	-
3	V	-
4	LG	-
5	G	-
6	Y	-
7	BR	-
12	B	-
13	L	-
15	GR	-
16	V	-

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



Terminal No.	Color Of Wire	Signal Name [Specification]
1	P	-
2	W	-
7	V	-
9	BR	-
10	V	-
11	LG	-
12	V	-
13	R	-
14	G	-
15	L	-
16	G	-

Connector No.	M28
Connector Name	VDC OFF SWITCH
Connector Type	TH08BE-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	SB	-
3	V	-
4	GR	-

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# POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

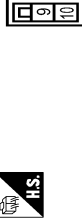
## BATTERY POWER SUPPLY

Connector No.	M32
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TK0BFY-EX-TV



Terminal No.	Color Of Wire	Signal Name [Specification]
28	Y	--
29	Y	--
30	Y	--

Connector No.	M38
Connector Name	EPS CONTROL UNIT
Connector Type	LU2FB-4MC



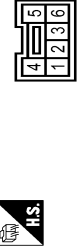
Terminal No.	Color Of Wire	Signal Name [Specification]
9	R	BAT
10	B	GND

Connector No.	M45
Connector Name	HAZARD SWITCH
Connector Type	TK04FW



Terminal No.	Color Of Wire	Signal Name [Specification]
3	V	--
4	GR	--

Connector No.	M48
Connector Name	AND MODE SWITCH
Connector Type	TK06FW-TV



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	--
2	GR	--
3	B	--
4	V	--
5	G	--
6	R	--

Connector No.	M49
Connector Name	NATS ANTENNA AMP.
Connector Type	TH44FW-NH



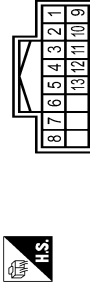
Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	BAT
2	P	CLK
3	LG	DATA
4	B	GND

Connector No.	M53
Connector Name	A/C CONTROL
Connector Type	SEA09FB-SHA6



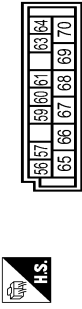
Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	--
2	SB	--
3	W	--
4	R	--
5	V	--
6	GR	--
7	G	--
8	B	--
9	W	--
10	W	--
11	R	--
12	Y	--
13	L	--
14	LG	--

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



Terminal No.	Color Of Wire	Signal Name [Specification]
8	W	--
7	P	--
6	B	--
5	BR	--
4	B	--
3	V	--
2	GR	--
1	Y	--
13	G	--
12	SB	--
11	G	--
10	B	--
9	R	--

Connector No.	M58
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	FEA09FW-FHAM-SA



Terminal No.	Color Of Wire	Signal Name [Specification]
58	P	INT ROOM LAMP PWR SPLY
57	P	BATTERYISE
59	SB	PASS DOOR UNLK OUTPUT
60	V	TURN SIG LH OUTPUT
61	W	TURN SIG RH OUTPUT
63	BR	INT ROOM LAMP CONT
64	R	REVERSE SW

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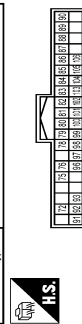
# POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

**BATTERY POWER SUPPLY**

85	V	ALL DOOR LOCK OUTPUT
86	SB	DOOR LOCK-GR
87	D	DOOR LOCK-SW
88	D	PW PWR SPLY /IGN
89	P	PW PWR SPLY /BAT1
90	Y	BAT. (F/L)

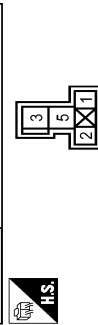
Connector No.	M70
Connector Name	ECM (BODY CONTROL MODULE)
Connector Type	TH4PFW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
72	SB	A-C IND OUTPUT
73	LG	DR DOOR REQ SW
74	P	PASS DOOR REQ SW
75	V	DRIVER DOOR ANT+
76	ER	DRIVER DOOR ANT-
77	G	PASS DOOR ANT+
78	W	PASS DOOR ANT-
79	B	FRONT BEMER ANT+
80	BR	REAR BEMER ANT+
81	GR	ROOM ANT 1+
82	G	ROOM ANT 1-
83	R	ROOM ANT 2+
84	V	ROOM ANT 2-
85	LG	LUGGAGE ROOM ANT+
86	P	LUGGAGE ROOM ANT-
87	W	PUSH-BTN IGN SW ILL-PWR
88	V	ACC / ON IND
89	R	PUSH-BTN IGN SW ILL GND
90	GR	I-KEY WARM BUZZER
91	ER	ACC RELAY CONT
92	SB	STARTER RELAY CONT
93	D	IGN RELAY (F) CONT
94	P	IGN RELAY (B) CONT
95	Y	PUSH SW
96	L	GLITCH INTERLOCK SW
97	G	NEUTRAL SW
98	G	FR DEFROST SW
99	SB	CVT SHIFT SELECT PWR SPLY

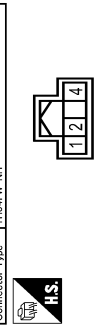
105	V	STOP LAMP SW 2
106	Y	BURN RELAY CONT

Connector No.	M71
Connector Name	HEATED SEAT RELAY
Connector Type	MS0ZFL-MZ-LC



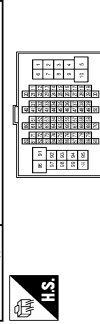
Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	HEATED SEAT RELAY
2	LG	HEATED SEAT RELAY
3	G	HEATED SEAT RELAY
4	V	HEATED SEAT RELAY
5	V	HEATED SEAT RELAY

Connector No.	M75
Connector Name	REMOTE KEYLESS ENTRY RECEIVER
Connector Type	TH4PFW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	POWER
2	SB	SIGNAL
3	V	GND
4	V	GND

Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	TH8PFW-CS18-TM4



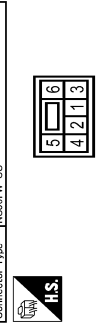
Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	WIRE TO WIRE
2	L	WIRE TO WIRE
3	P	WIRE TO WIRE
4	R	WIRE TO WIRE
5	R	WIRE TO WIRE
6	R	WIRE TO WIRE
7	LG	WIRE TO WIRE
8	V	WIRE TO WIRE
9	V	WIRE TO WIRE
10	SHIELD	WIRE TO WIRE
11	LG	WIRE TO WIRE
12	V	WIRE TO WIRE
13	V	WIRE TO WIRE
14	SHIELD	WIRE TO WIRE
15	LG	WIRE TO WIRE
16	SB	WIRE TO WIRE
17	B	WIRE TO WIRE
18	P	WIRE TO WIRE
19	R	WIRE TO WIRE
20	R	WIRE TO WIRE
21	L	WIRE TO WIRE
22	L	WIRE TO WIRE
23	L	WIRE TO WIRE
24	L	WIRE TO WIRE
25	L	WIRE TO WIRE
26	L	WIRE TO WIRE
27	L	WIRE TO WIRE
28	L	WIRE TO WIRE
29	L	WIRE TO WIRE
30	L	WIRE TO WIRE
31	L	WIRE TO WIRE
32	L	WIRE TO WIRE
33	L	WIRE TO WIRE
34	L	WIRE TO WIRE
35	L	WIRE TO WIRE
36	L	WIRE TO WIRE
37	L	WIRE TO WIRE
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79	L	WIRE TO WIRE
80	L	WIRE TO WIRE
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82	L	WIRE TO WIRE
83	L	WIRE TO WIRE
84	L	WIRE TO WIRE
85	L	WIRE TO WIRE

Connector No.	M78
Connector Name	WIRE TO WIRE
Connector Type	U03MB-MC



Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	WIRE TO WIRE
2	W	WIRE TO WIRE

Connector No.	M80
Connector Name	HEATED SEAT SWITCH LH
Connector Type	NS08FW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	HEATED SEAT SWITCH LH
2	W	HEATED SEAT SWITCH LH
3	P	HEATED SEAT SWITCH LH
4	B	HEATED SEAT SWITCH LH
5	V	HEATED SEAT SWITCH LH
6	GR	HEATED SEAT SWITCH LH

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# POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

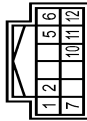
## BATTERY POWER SUPPLY

Connector No.	M181
Connector Name	HEATED SEAT SWITCH RH
Connector Type	NS06FR-CG



Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	
2	R	
3	R	
4	B	
5	V	
6	GR	

Connector No.	M180
Connector Name	MULTI DISPLAY UNIT
Connector Type	TH12FW-NH



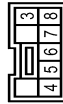
Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	BATTERY POWER SUPPLY
2	V	ILLUMINATION SIGNAL
5	GR	ILLUMINATION SIGNAL GROUND
6	L	CAN-H
7	LG	IGNITION SIGNAL
10	B	GND
11	B	GND
12	P	CAN-L

Connector No.	M185
Connector Name	GLOVE BOX LAMP
Connector Type	A02PW



Terminal No.	Color Of Wire	Signal Name [Specification]
2	B	

Connector No.	M101
Connector Name	PUSH-BUTTON IGNITION SWITCH
Connector Type	T03BFR



Terminal No.	Color Of Wire	Signal Name [Specification]
3	G	
4	B	
5	W	
6	R	
7	V	
8	LG	

Connector No.	M188
Connector Name	NAVI CONTROL UNIT
Connector Type	NH18PW-CS2



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	WOOFER ANTENNA AMP ON SIGNAL
2	W	SOUND SIGNAL FRONT SPEAKER LH+
3	GR	SOUND SIGNAL FRONT SPEAKER LH-
4	LG	SOUND SIGNAL REAR SPEAKER LH+
5	V	SOUND SIGNAL REAR SPEAKER LH-
6	G	STEERING SWITCH SIGNAL A
7	L	ACC POWER SUPPLY
8	L	CAN-H
9	V	ILLUMINATION SIGNAL
10	SHIELD	SHIELD
11	G	SOUND SIGNAL FRONT SPEAKER RH+
12	R	SOUND SIGNAL FRONT SPEAKER RH-
13	BR	SOUND SIGNAL REAR SPEAKER RH+
14	Y	SOUND SIGNAL REAR SPEAKER RH-
15	Y	STEERING SWITCH SIGNAL B
16	P	CAN-L
17	B	VEHICLE SPEED SIGNAL (8-PULSE)
18	Y	BATTERY POWER SUPPLY
19	BR	GND
20	B	GND

Connector No.	M189
Connector Name	NAVI CONTROL UNIT
Connector Type	TH24FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
21	G	ALX AUDIO SIGNAL RH
22	G	ALX AUDIO SIGNAL CGROUND
23	L	ALX AUDIO SIGNAL LH
24	L	REVERSE SIGNAL
25	G	SOUND SIGNAL WOOFER +
26	BR	SOUND SIGNAL WOOFER -
29	Y	ILLUMINATION CONTROL SIGNAL
30	V	ILLUMINATION CONTROL SIGNAL GROUND
33	GR	MICROPHONE VCC
34	W	MICROPHONE GND
35	B	SHIELD
36	B	SHIELD
37	SHIELD	SHIELD
40	LG	IGNITION SIGNAL
41	P	COMPOSITE IMAGE SIGNAL
42	SHIELD	SHIELD

Connector No.	M129
Connector Name	AUDIO UNIT
Connector Type	NH18PW-CS2



Terminal No.	Color Of Wire	Signal Name [Specification]
2	W	SOUND SIGNAL FRONT SPEAKER LH+
3	GR	SOUND SIGNAL FRONT SPEAKER LH-
4	LG	SOUND SIGNAL REAR SPEAKER LH+
5	V	SOUND SIGNAL REAR SPEAKER LH-
6	G	STEERING SWITCH SIGNAL A

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# POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

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**BATTERY POWER SUPPLY**

7	L	ACC POWER SUPPLY
8	GR	ILLUMINATION CONTROL GROUND
9	Y	ILLUMINATION CONTROL SIGNAL
11	G	SOUND SIGNAL FRONT SPEAKER RH +
12	R	SOUND SIGNAL FRONT SPEAKER RH -
13	BR	SOUND SIGNAL REAR SPEAKER RH +
14	Y	SOUND SIGNAL REAR SPEAKER RH -
15	V	STEERING SWITCH SIGNAL GROUND
16	R	STEERING SWITCH SIGNAL B
18	Y	VEHICLE SPEED SIGNAL (8-PULSE)
19	BR	BATTERY POWER SUPPLY
20	B	GROUND

Connector No.	M324
Connector Name	CVT SHIFT SELECTOR
Connector Type	11HBMW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
2	W	-
3	W	-
4	P	-
5	G	-
6	G	-
7	BR	-
8	G	-
9	GR	-
10	Y	-
11	L/W	-
12	O	-
13	LG	-

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PG

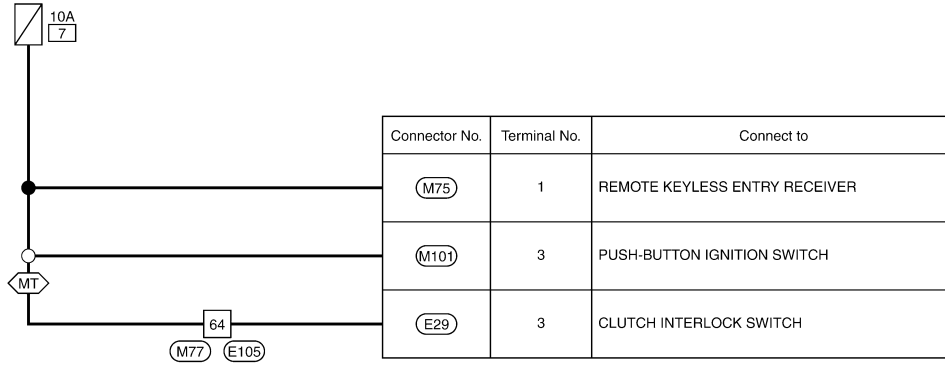
# POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

## Wiring Diagram - BATTERY POWER SUPPLY FUSE No.7 - BATTERY POWER SUPPLY FUSE No. 7

INFOID:000000011461992

 With M/T



2011/08/18

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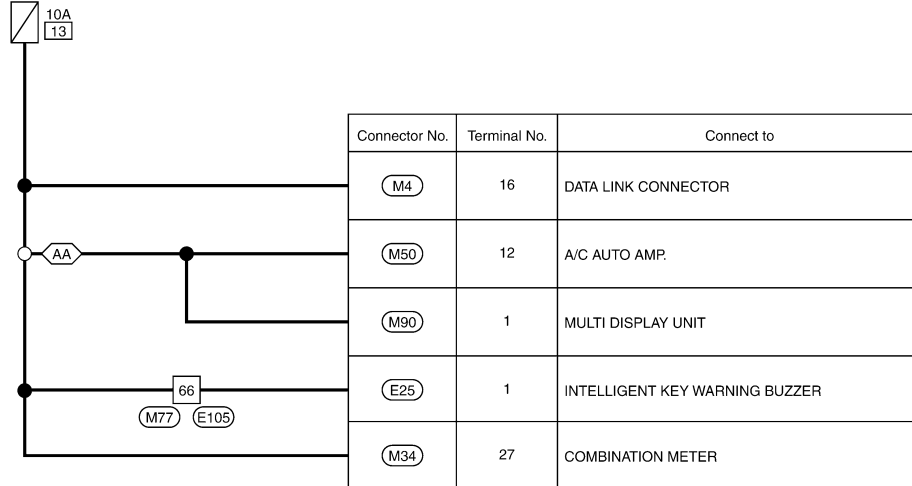
# POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

## Wiring Diagram - BATTERY POWER SUPPLY FUSE No.13 - BATTERY POWER SUPPLY FUSE No. 13

INFOID:000000011461993

AA : With automatic A/C



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

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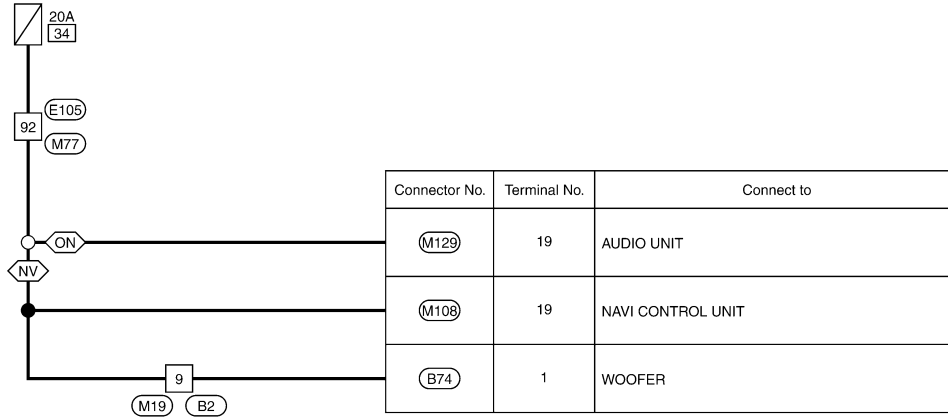
# POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

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

INFOID:000000011461994

 : With NAVI  
 : Without NAVI



2014/09/22

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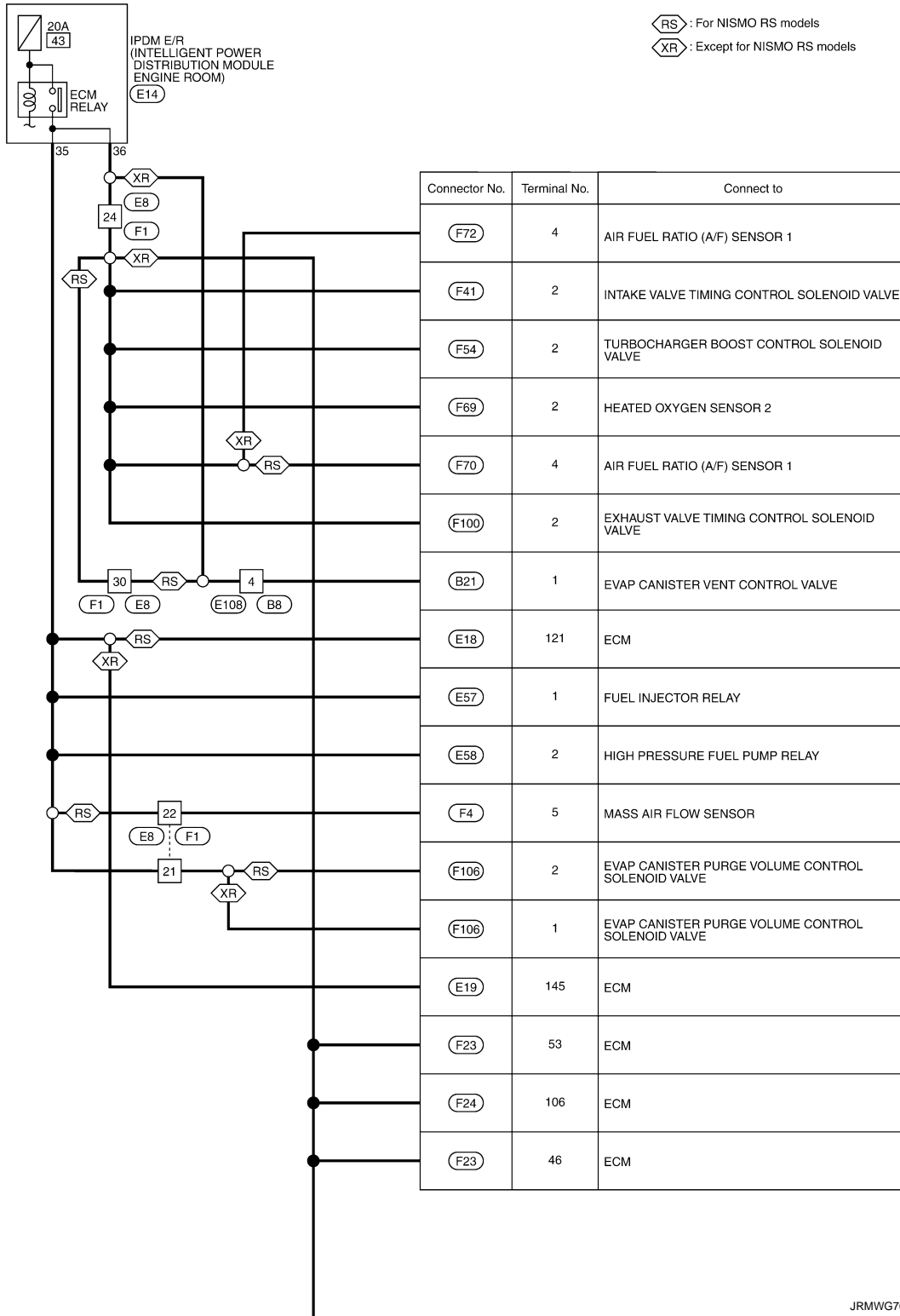
# POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

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

INFOID:000000011461995

### BATTERY POWER SUPPLY FUSE No. 43

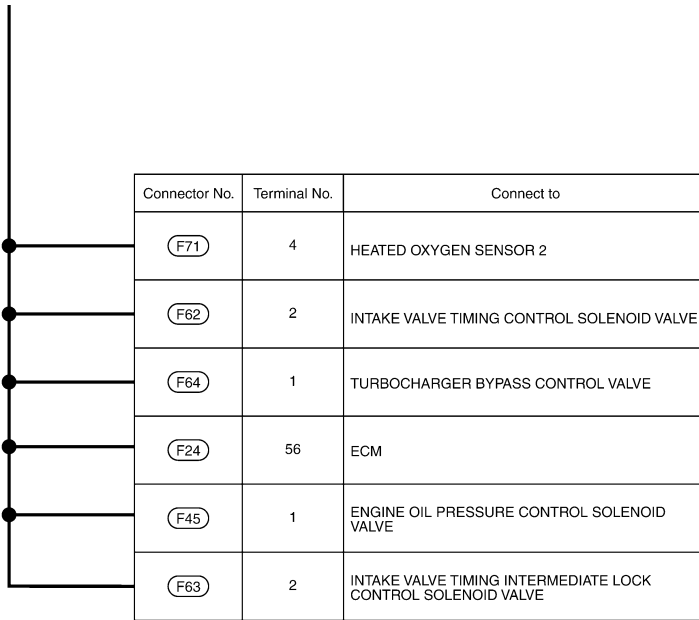


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# POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >



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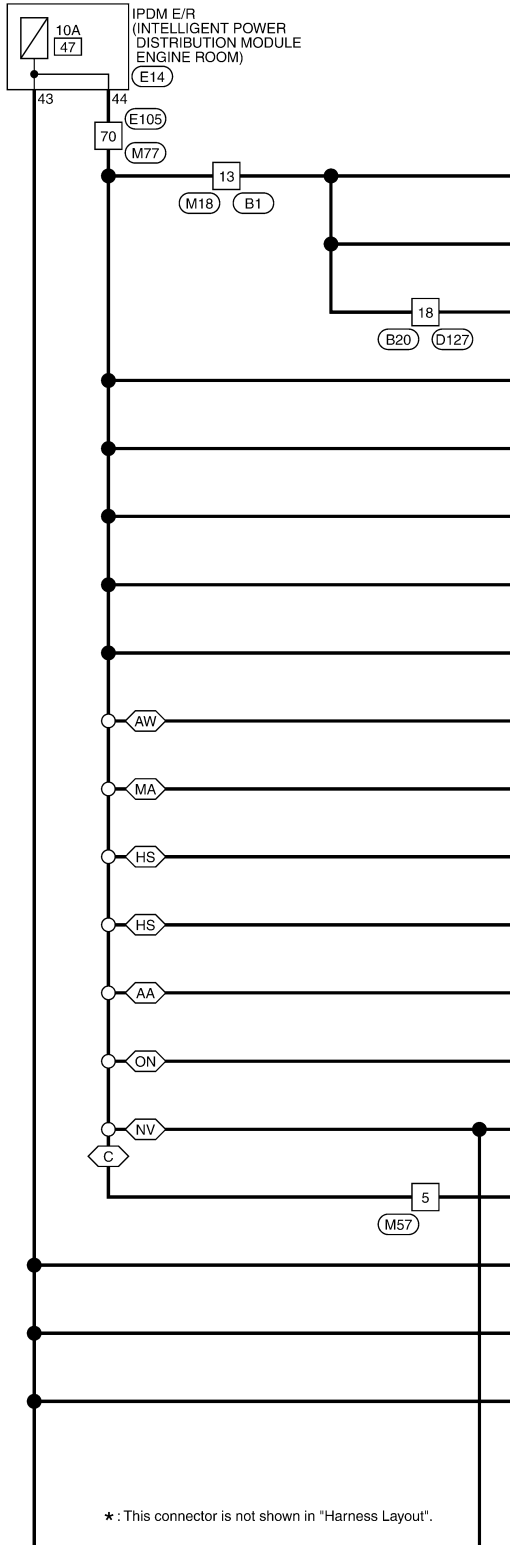
# POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

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

INFOID:000000011461996

### BATTERY POWER SUPPLY FUSE No. 47



- AW : AWD models
- C : With CVT
- AA : With automatic A/C
- MA : With manual A/C
- NV : With NAVI
- ON : Without NAVI
- HS : With heated seat

Connector No.	Terminal No.	Connect to
B59	2	REAR COMBINATION LAMP RH
B80	2	REAR COMBINATION LAMP LH
D107	5	BACK DOOR OPENER SWITCH (LICENSE PLATE LAMP)
M95	1	GLOVE BOX LAMP
M7	16	DOOR MIRROR REMOTE CONTROL SWITCH
M28	3	VDC OFF SWITCH
M32	23	COMBINATION SWITCH (SPIRAL CABLE)
M45	3	HAZARD SWITCH
M48	4	AWD MODE SWITCH
M53	5	A/C CONTROL
M80	5	HEATED SEAT SWITCH LH
M81	5	HEATED SEAT SWITCH RH
M90	2	MULTI DISPLAY UNIT
M129	9	AUDIO UNIT
M108	9	NAVI CONTROL UNIT
M324*	5	CVT SHIFT SELECTOR
E28	1	PARKING LAMP LH
E31	1	FRONT SIDE MARKER LAMP LH
E32	1	FRONT SIDE MARKER LAMP RH

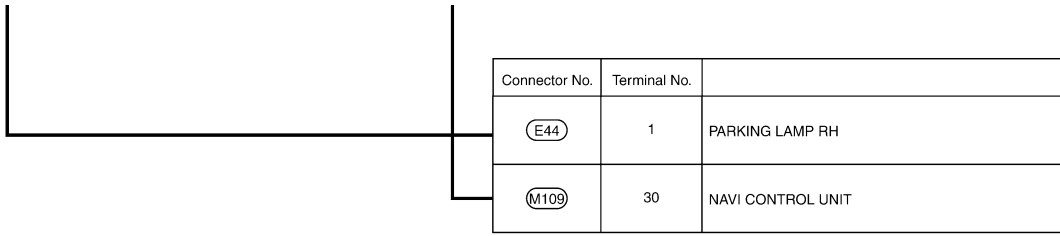
\* : This connector is not shown in "Harness Layout".

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# POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >



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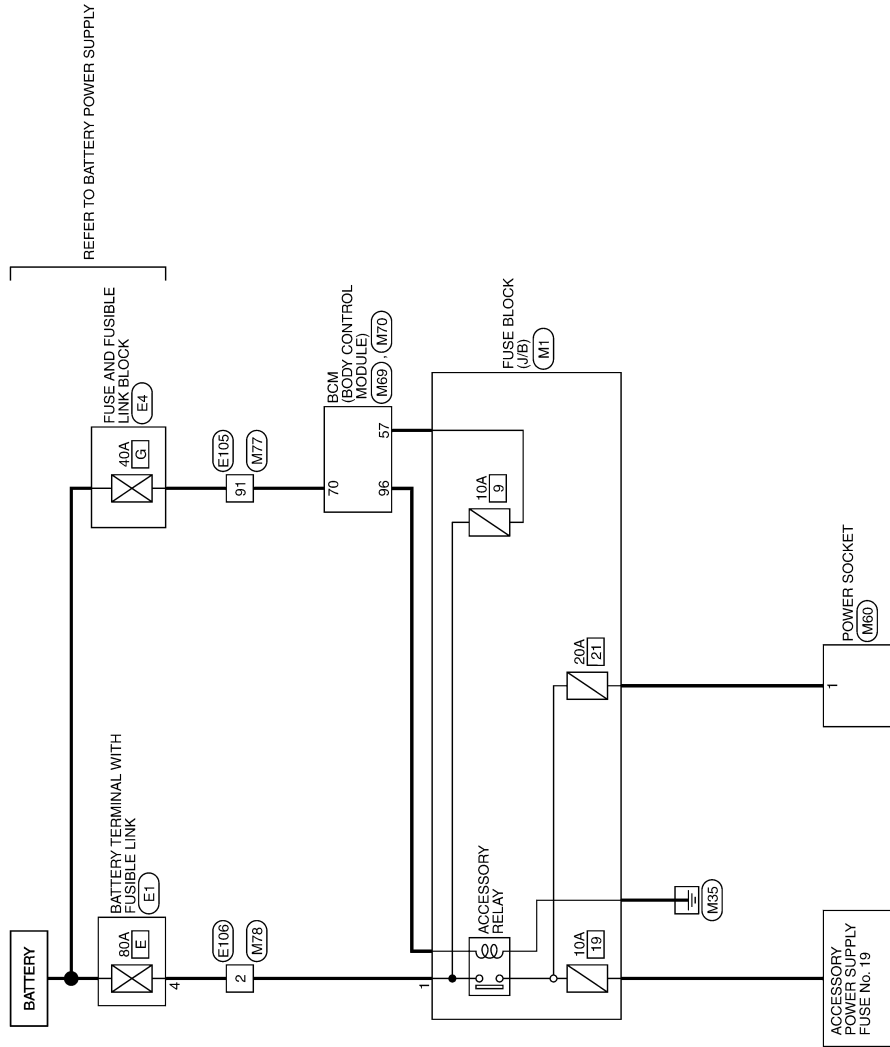
# POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

## Wiring Diagram - ACCESSORY POWER SUPPLY -

INFOID:000000011461997

### ACCESSORY POWER SUPPLY



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# POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

## ACCESSORY POWER SUPPLY

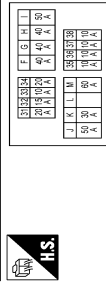
Connector No.	E1
Connector Name	BATTERY TERMINAL WITH FUSE/LE LINK
Connector Type	L02FGY-MC



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

Connector No.	E4
Connector Name	FUSE AND FUSE/LE LINK BLOCK
Connector Type	24381 G9500



Terminal No.	Color Of Wire	Signal Name [Specification]
31	Y	
32	BR	
33	LG	- (MR engine for NISMO RS)
34	W	- (MR engine except for NISMO RS)
35	BR	
36	V	
38	W	
G	G	
H	P	
I	L	
J	V	
K	W	
M	R	

Connector No.	E105
Connector Name	WIRE TO WIRE
Connector Type	T180MM-CS1F-TM4



Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	
4	P	
6	P	
10	R	
11	W	
12	B	
13	R	
14	SHIELD	
34	BE	
35	R	
36	B	
37	P	
52	R	
53	BR	
54	V	
55	BE	
56	Y	
58	Y	
63	V	
64	LG	
65	L	
66	R	
67	W	
68	SB	
70	BR	
71	LG	
72	V	
73	L	
76	R	
78	B	
79	W	
80	L	
83	Y	
84	LG	

85	P	
86	BE	
87	SHIELD	
88		
89		
90		
91		
92	B	
95	BR	
96	P	
97	GR	
98	W	
99	V	
100	O	

Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	L02FEB-MC



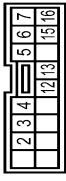
Terminal No.	1	R	
Terminal No.	2	W	

Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	L01FW-MC



Terminal No.	1	W	
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Connector No.	M7
Connector Name	DOOR MIRROR REMOTE CONTROL SWITCH
Connector Type	TK08FW



Terminal No.	Color Of Wire	Signal Name [Specification]
2	P	
3	V	
4	LG	
5	G	
6	Y	
7	BR	
12	B	
13	L	
15	GR	
16	V	

Connector No.	M24
Connector Name	COMBINATION METER
Connector Type	TH08FW-WH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	CAN-H
2	P	CAN-L
4	Y	VEHICLE SPEED SIGNAL (8-PULSE)
5	G	PADDLE SHIFTER UP SWITCH SIGNAL
6	BR	FUEL LEVEL SENSOR SIGNAL
7	R	AIR BAG SIGNAL
8	P	
9	W	SEAT BELT BUCKLE SWITCH SIGNAL (DRIVER SIDE)
10	SB	PARKING BRAKE SWITCH SIGNAL

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# POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

## ACCESSORY POWER SUPPLY

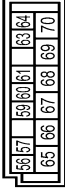
Terminal No.	Color Of Wire	Signal Name [Specification]
11	G	BRAKE FLUID LEVEL SWITCH SIGNAL
13	GR	ILLUMINATION CONTROL SIGNAL
14	R	MANUAL MODE SHIFTER SIGNAL
15	L	MANUAL MODE SHIFTER SUPPLY SIGNAL
19	W	MANUAL MODE SHIFTER SIGNAL
18	G	WASHER LEVEL SWITCH SIGNAL
18	B	SECURITY SIGNAL
19	GR	AMBIENT SENSOR SIGNAL
20	R	AMBIENT SENSOR GROUND
21	B	GROUND
22	B	GROUND
23	B	GROUND
24	L	FUEL LEVEL SENSOR GROUND
25	B	VDC GROUND
26	V	PADDLE SHIFTER DOWN SWITCH SIGNAL
27	LG	BATTERY POWER SUPPLY
28	GR	IGNITION SIGNAL
29	V	PASSENGER SEAT BELT WARNING SIGNAL
31	P	A/C AUTO AMP CONNECTION RECONDITIONAL SIGNAL
36	Y	MANUAL MODE SIGNAL
37	G	NON-MANUAL MODE SIGNAL
38	P	ALTERNATOR SIGNAL

Connector No.	M60
Connector Name	POWER SOCKET
Connector Type	PA2PB-Z



Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	B	-

Connector No.	M89
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	FEA09FH-FAH6-SA



Terminal No.	Color Of Wire	Signal Name [Specification]
56	P	INT ROOM LAMP PWR SPLY
57	P	BATT(FUSE)
59	SB	PASS DOOR UNLK OUTPUT
60	V	TURN SIG LH OUTPUT
61	W	TURN SIG RH OUTPUT
63	BR	INT ROOM LAMP CONT
64	R	REVERSE SW
65	V	ALL DOOR LOCK OUTPUT
66	SB	DOOR UNLOCK DR
67	B	GND
68	L	PW PWR SPLY (IGN)
69	P	PW PWR SPLY (BAT)
70	Y	BAT (F/L)

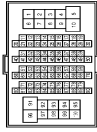
Connector No.	M70
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
72	SB	A/C IND OUTPUT
75	LG	DR DOOR REG SW
76	LG	PASS DOOR REG SW
78	P	DRIVER DOOR ANF+
79	V	DRIVER DOOR ANF-
80	BR	PASS DOOR ANF+
81	G	PASS DOOR ANF-

Terminal No.	Color Of Wire	Signal Name [Specification]
82	W	REAR EMPR ANF+
83	B	REAR EMPR ANF-
84	BR	ROOM ANT 1+
85	GR	ROOM ANT 1-
86	GR	ROOM ANT 2+
87	B	ROOM ANT 2-
88	V	LUGGAGE ROOM ANF+
89	LG	LUGGAGE ROOM ANF-
90	W	PUSH-BTN IGN SW ILL PWR
91	V	ACC / ON IND
92	R	PUSH-BTN IGN SW ILL GND
93	GR	HKEY WARN BUZZER
96	BR	ACC RELAY CONT
97	SB	STARTER RELAY CONT
98	P	IGN RELAY (PDM / R) CONT
99	R	IGN RELAY (F / B) CONT
100	P	PUSH SW
101	Y	CLUTCH INTERLOCK SW
102	L	NEUTRAL SW
103	G	FR DEFROST SW
104	SB	CVT SHIF SELECT PWR SPLY
105	V	STOP LAMP SW 2
106	Y	BLWR RELAY CONT

Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	TH60FW-CS16-TM4



Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	-
4	V	-
6	P	-
10	R	-
11	R	-
12	LG	-
13	V	-
14	SHIELD	-
34	LG	-
35	SB	-
38	B	-

Terminal No.	Color Of Wire	Signal Name [Specification]
37	P	-
52	R	-
53	L	-
54	SB	-
55	LG	-
58	Y	-
59	G	-
62	V	-
63	W	-
64	G	-
65	GR	-
66	Y	-
67	V	-
68	R	-
70	V	-
71	R	-
72	GR	-
73	G	-
76	W	-
78	LG	-
79	V	-
80	LG	-
83	P	-
84	G	-
85	BR	-
86	LG	-
90	SHIELD	-
91	Y	-
92	BR	-
95	Y	-
98	L	-
99	GR	-
99	G	-
99	B	-
100	LG	-

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# POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

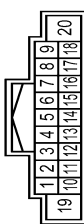
## ACCESSORY POWER SUPPLY

Connector No.	M18
Connector Name	WIRE TO WIRE
Connector Type	L02MB-MC



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

Connector No.	M108
Connector Name	NAVI CONTROL UNIT
Connector Type	NH18FW-CSZ



Terminal No.	Color	Wire	Signal Name [Specification]
1	BR	-	WOOFER ANTENNA AMP ON SIGNAL
2	W	-	SOUND SIGNAL FRONT SPEAKER LH +
3	GR	-	SOUND SIGNAL FRONT SPEAKER LH -
4	LG	-	SOUND SIGNAL REAR SPEAKER LH +
5	V	-	SOUND SIGNAL REAR SPEAKER LH -
6	G	-	STEERING SWITCH SIGNAL A
7	L	-	ACC POWER SUPPLY
8	L	-	CAN-H
9	V	-	ILLUMINATION SIGNAL
10	SHIELD	-	SHIELD
11	G	-	SOUND SIGNAL FRONT SPEAKER RH +
12	R	-	SOUND SIGNAL FRONT SPEAKER RH -
13	BR	-	SOUND SIGNAL REAR SPEAKER RH +
14	Y	-	SOUND SIGNAL REAR SPEAKER RH -
15	V	-	STEERING SWITCH SIGNAL GROUND
16	R	-	STEERING SWITCH SIGNAL B
17	P	-	CAN-L
18	Y	-	VEHICLE SPEED SIGNAL (8-PULSE)

19	BR	BATTERY POWER SUPPLY
20	B	GROUND

Connector No.	M129
Connector Name	AUDIO UNIT
Connector Type	NH18FW-CSZ



Terminal No.	Color	Wire	Signal Name [Specification]
2	W	-	SOUND SIGNAL FRONT SPEAKER LH +
3	GR	-	SOUND SIGNAL FRONT SPEAKER LH -
4	LG	-	SOUND SIGNAL REAR SPEAKER LH +
5	V	-	SOUND SIGNAL REAR SPEAKER LH -
6	G	-	STEERING SWITCH SIGNAL A
7	L	-	ACC POWER SUPPLY
8	GR	-	ILLUMINATION CONTROL SIGNAL GROUND
9	V	-	ILLUMINATION CONTROL SIGNAL
11	G	-	SOUND SIGNAL FRONT SPEAKER RH +
12	R	-	SOUND SIGNAL FRONT SPEAKER RH -
13	BR	-	SOUND SIGNAL REAR SPEAKER RH +
14	V	-	SOUND SIGNAL REAR SPEAKER RH -
15	V	-	STEERING SWITCH SIGNAL GROUND
16	R	-	STEERING SWITCH SIGNAL B
18	Y	-	VEHICLE SPEED SIGNAL (8-PULSE)
19	BR	-	BATTERY POWER SUPPLY
20	B	-	GROUND

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



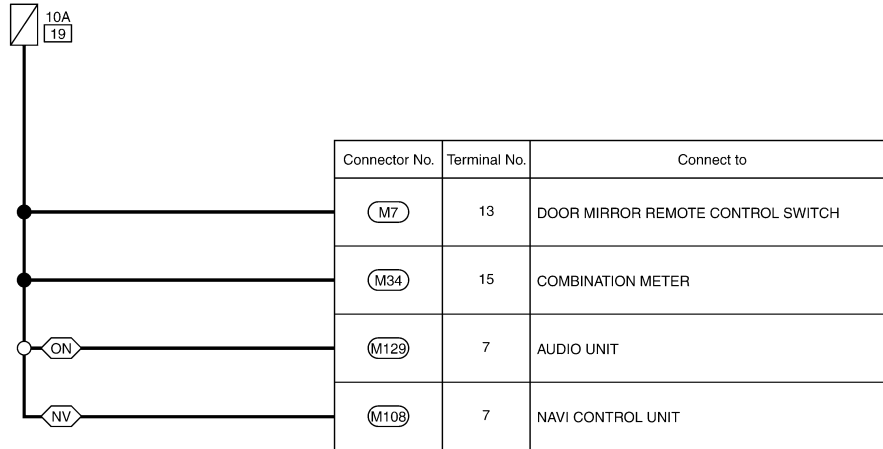
# POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

## Wiring Diagram - ACCESSORY POWER SUPPLY FUSE No.19 - ACCESSORY POWER SUPPLY FUSE No. 19

INFOID:000000011461999

 : With NAVI  
 : Without NAVI



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2014/09/22

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# POWER SUPPLY ROUTING CIRCUIT

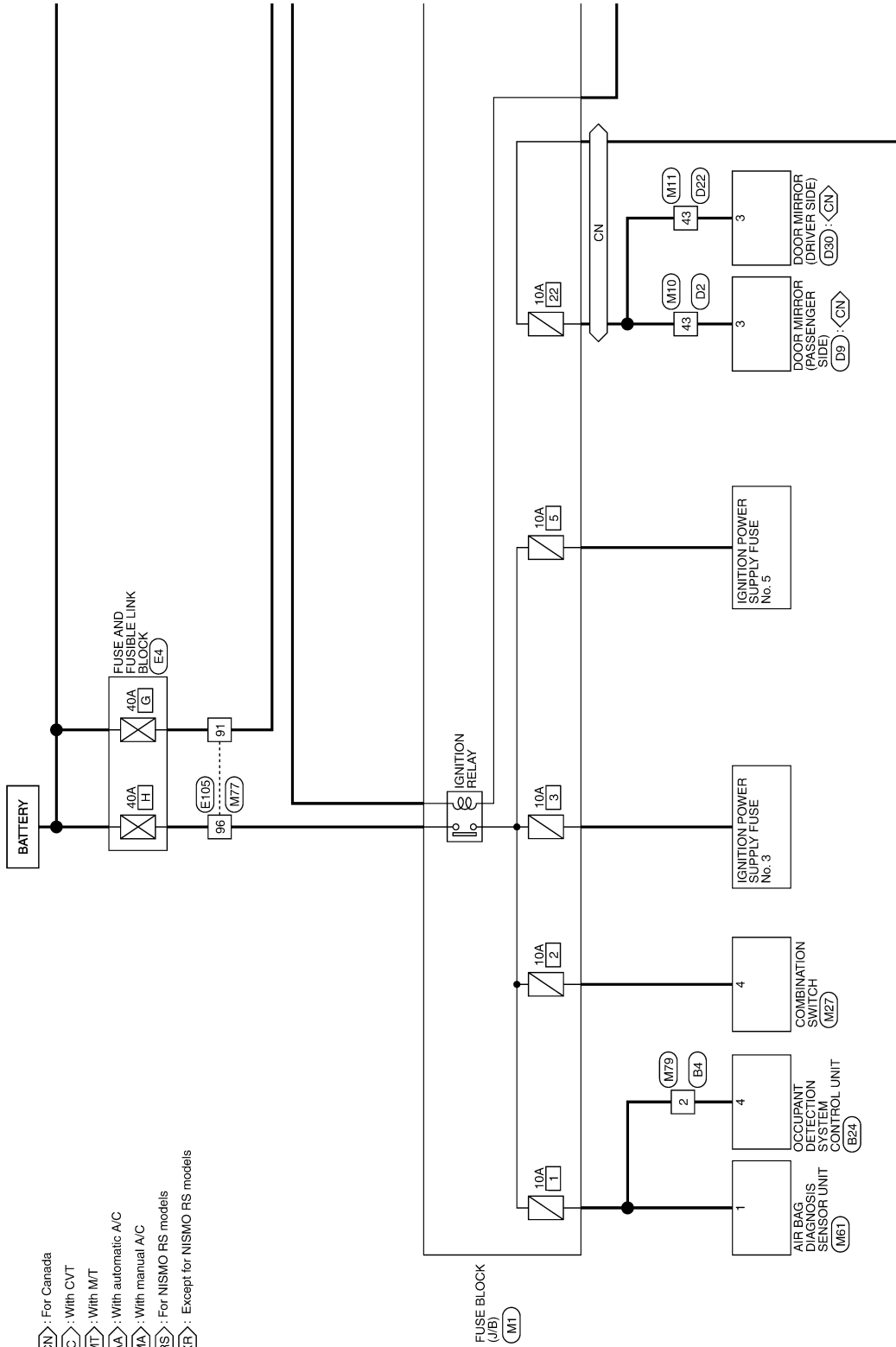
< WIRING DIAGRAM >

## Wiring Diagram - IGNITION POWER SUPPLY -

INFOID:000000011462000

### IGNITION POWER SUPPLY

- <CN> : For Canada
- <C> : With CVT
- <MT> : With M/T
- <AA> : With automatic A/C
- <MA> : With manual A/C
- <RS> : For NISMO RS models
- <XR> : Except for NISMO RS models



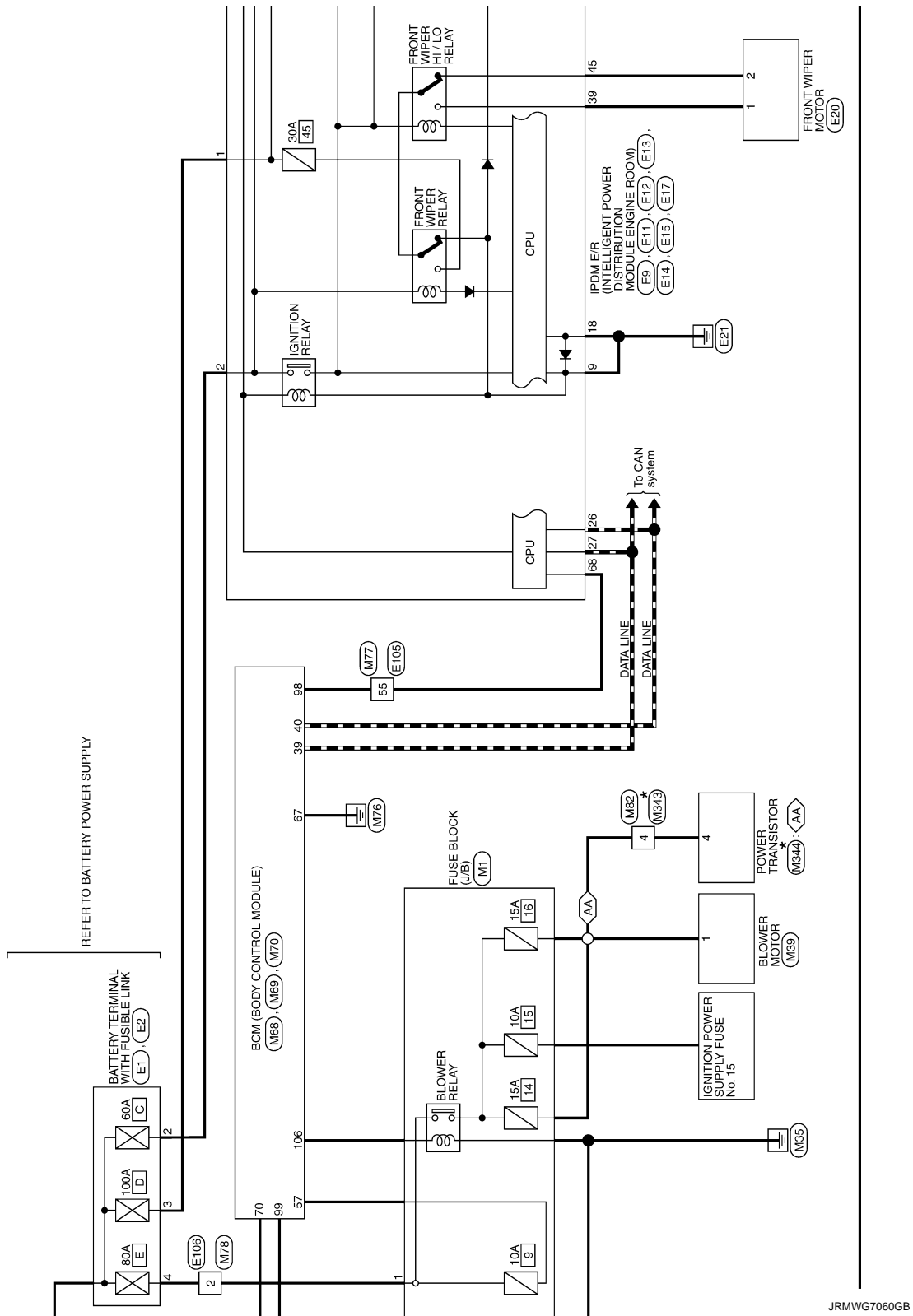
\* : This connector is not shown in "Harness Layout".

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# POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >



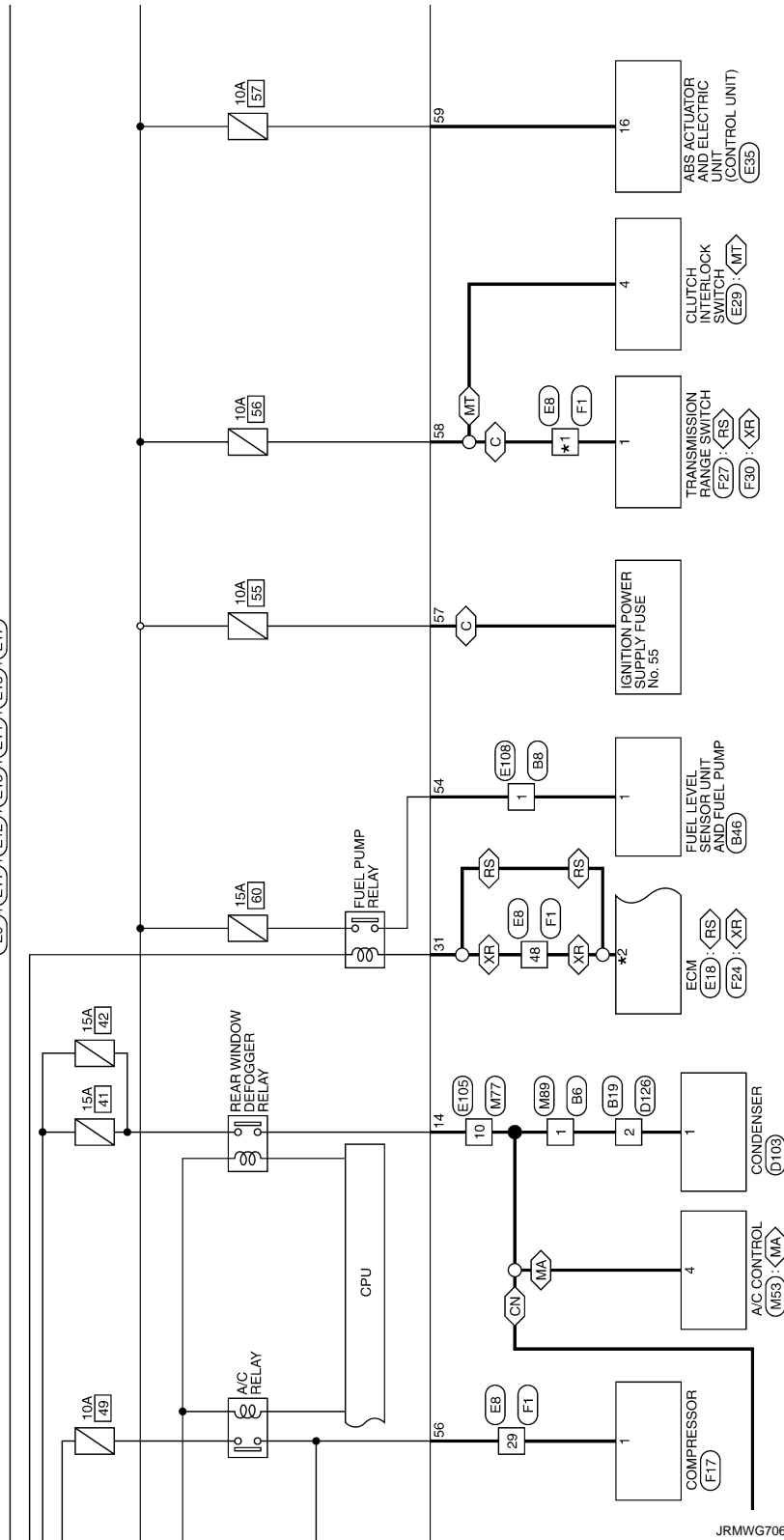
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# POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

- \*1 37 (XR)
- 48 (RS)
- \*2 82 (XR)
- 117 (RS)

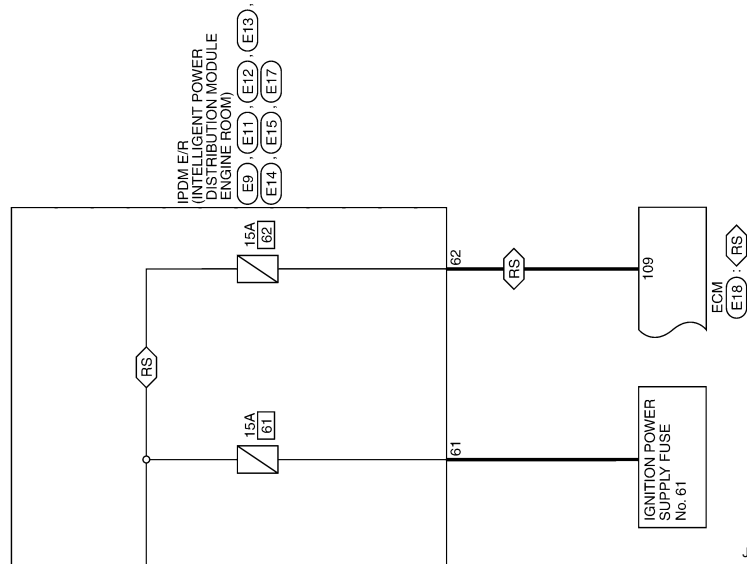
IPDM E/R  
(INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)  
(E9) (E11) (E12) (E13) (E14) (E15) (E17)



JRMWG7061GB

# POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >



JRMWG7062GB

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# POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

## IGNITION POWER SUPPLY

Connector No.	B4
Connector Name	WIRE TO WIRE
Connector Type	TH12MW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	BATTERY
2	GR	IGN SW
3	BR	CAN-H
4	L	CAN-L
5	V	AWD-Y SW
6	LG	GND
7	SHIELD	GND

Connector No.	B5
Connector Name	WIRE TO WIRE
Connector Type	M02MW-LC



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

Connector No.	B8
Connector Name	WIRE TO WIRE
Connector Type	NS34FW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	COMMUNICATION
2	GR	IGN
3	L	GND
4	R	K-LINE

Connector No.	B19
Connector Name	WIRE TO WIRE
Connector Type	M02MB-P-LC



Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
2	R	-

Connector No.	B24
Connector Name	OCCUPANT DETECTION SYSTEM CONTROL UNIT
Connector Type	TH08FW-NH



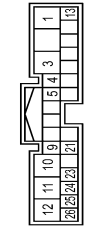
Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	BATTERY
2	GR	IGN SW
3	GR	CAN-H
4	P	CAN-L
5	W	AWD-Y SW
6	B	GND
7	GR	COMMUNICATION
8	Y	SOL BAT
9	G	2WD SW
10	Y	AWD SW
11	R	AWD SOL L+
12	V	AWD SOL L-
13	W	AWD SOL R+
14	Y	AWD SOL R-

Connector No.	B46
Connector Name	FUEL LEVEL SENSOR UNIT AND FUEL PUMP
Connector Type	ED8FOY-RS



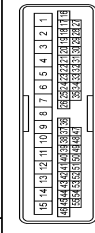
Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	-
2	BR	-
3	B	-
4	P	-
5	L	-

Connector No.	B47
Connector Name	AWD CONTROL MODULE
Connector Type	TH20FW-TB6



Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	BATTERY
2	GR	IGN SW
3	GR	CAN-H
4	P	CAN-L
5	W	AWD-Y SW
6	B	GND
7	B	GND
8	Y	SOL BAT
9	G	2WD SW
10	Y	AWD SW
11	R	AWD SOL L+
12	V	AWD SOL L-
13	W	AWD SOL R+
14	Y	AWD SOL R-

Connector No.	B2
Connector Name	WIRE TO WIRE
Connector Type	TH48FW-CS15



Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	G	-
3	Y	-
4	V	-
5	W	-

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# POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

## IGNITION POWER SUPPLY

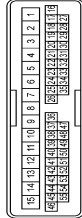
14	SB	-
15	GR	-
16	GR	-
17	Y	-
18	W	-
19	R	-
24	R	-
25	G	-
38	G	-
39	B	-
40	LG	-
41	Y	-
43	P	-
44	V	-
45	W	-
46	EG	-
50	P	-

Connector No.	D9
Connector Name	DOOR MIRROR (PASSENGER SIDE)
Connector Type	TH1BMW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	V	-
2	B	-
3	P	-
4	B	-
6	W	-
7	GR	-
11	EG	-
12	W	-
13	G	-
14	R	-
15	Y	-

Connector No.	D22
Connector Name	WIRE TO WIRE
Connector Type	TH40FW-CS15



Terminal No.	Color Of Wire	Signal Name [Specification]
1	P	-
2	SB	-
3	V	-
4	Y	-
7	G	-
8	EG	-
9	LG	-
10	Y	-
11	W	-
12	SB	-
13	B	-
14	L	-
15	P	-
16	LG	-
17	BR	-
18	V	-
19	Y	-
24	G	-
25	R	-
38	G	-
39	B	-
40	V	-
41	P	-
42	R	-
43	GR	-
44	W	-
45	Y	-
46	EG	-
47	G	-
48	R	-
50	LG	-
52	BR	-

Connector No.	D30
Connector Name	DOOR MIRROR (DRIVER SIDE)
Connector Type	TH1BMW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	GR	-
3	B	-
4	B	-
6	P	-
7	LG	-
11	EG	-
12	Y	-
13	G	-
14	V	-
15	BR	-

Connector No.	D103
Connector Name	CONDENSER
Connector Type	P01FB-A



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

Connector No.	D126
Connector Name	WIRE TO WIRE
Connector Type	M02FB-LC



Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
2	R	-

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



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

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# POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

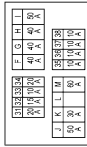
## IGNITION POWER SUPPLY

Connector No.	E2
Connector Name	BATTERY TERMINAL WITH FUSE LINK
Connector Type	L02FBF-MC



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

Connector No.	E4
Connector Name	FUSE AND FUSE LINK BLOCK
Connector Type	Z4381-Q3900



Terminal No.	Color Of Wire	Signal Name [Specification]
31	Y	--
32	BR	--
33	LG	-- [MR engine for NISMO RS]
34	R	-- [MR engine except for NISMO RS]
35	BR	--
36	Y	--
38	W	--
G	G	--
H	P	--
J	V	--
K	W	--
M	R	--

Connector No.	E8
Connector Name	WIRE TO WIRE
Connector Type	SAA38MB-RSDP-SUZ2



Terminal No.	Color Of Wire	Signal Name [Specification]
1	P	--
2	L	--
3	O	--
4	LG	-- [MR engine for NISMO RS]
4	V	-- [MR engine except for NISMO RS]
5	O	--
7	BR	--
10	R	--
11	G	-- [MR engine except for NISMO RS]
11	O	-- [MR engine for NISMO RS]
12	G	--
13	B	-- [MR engine except for NISMO RS]
13	Y	-- [MR engine for NISMO RS]
14	L	-- [MR engine for NISMO RS]
14	LG	-- [MR engine except for NISMO RS]
15	G	--
16	SB	--
17	GR	--
18	W	--
19	L/B	--
20	L/W	--
21	G	--
22	G	-- [MR engine for NISMO RS]
22	Y	-- [MR engine except for NISMO RS]
23	B	-- [MR engine for NISMO RS]
23	SHIELD	-- [MR engine for NISMO RS]
24	P	--
25	R	--
26	R	--
27	B	--
28	LG	--
28	SB	--
30	G	-- [MR engine except for NISMO RS]
30	P	-- [MR engine for NISMO RS]
31	G	--
32	Y	--

Terminal No.	Color Of Wire	Signal Name [Specification]
33	BR	--
34	P	-- [MR engine except for NISMO RS]
34	W	-- [MR engine for NISMO RS]
37	L	-- [With Intelligent Key]
37	LG	-- [Without Intelligent Key]
38	SB	--
39	B	--
40	P	--
41	V	--
42	L	--
43	BR	-- [MR engine for NISMO RS]
43	W	-- [MR engine except for NISMO RS]
44	BR	-- [MR engine for NISMO RS]
44	LG	-- [MR engine except for NISMO RS]
45	Y	--
46	Y	--
47	SB	--
48	LG	-- [With Intelligent Key]
48	Y	-- [Without Intelligent Key]

Connector No.	E9
Connector Name	POWER IN INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	L02FBF-MC



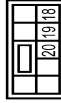
Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	--
2	G	--

Connector No.	E11
Connector Name	POWER IN INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	M08FBF-LC



Terminal No.	Color Of Wire	Signal Name [Specification]
9	BR	--
14	R	--

Connector No.	E12
Connector Name	POWER IN INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	NS08FBR-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
18	GR	--
19	R	-- [Without front fog lamp]
19	W	-- [With front fog lamp]
20	G	-- [Without front fog lamp]
20	V	-- [With front fog lamp]

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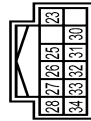


# POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

## IGNITION POWER SUPPLY

Connector No.	E13
Connector Name	ROOM 2 INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	TH12FW-NH



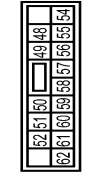
Terminal No.	Color Of Wire	Signal Name [Specification]
23	SB	-
24	BR	-
25	GR	-
26	Y	-
27	L	-
28	Y	-
29	V	-
30	V	-
31	Y	-
32	R	-
33	G	-
34	L	-

Connector No.	E14
Connector Name	ROOM 2 INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	NS12PBR-CS



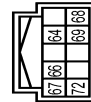
Terminal No.	Color Of Wire	Signal Name [Specification]
35	G	-
36	P	-
37	L	-
38	BR	-
39	Y	-
40	Y	-
41	Y	-
42	Y	-
43	L	-
44	BR	-
45	W	-

Connector No.	E15
Connector Name	ROOM 2 INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	NS16FW-CS



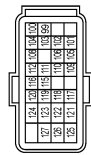
Terminal No.	Color Of Wire	Signal Name [Specification]
46	BR	-
47	P	-
48	P	-
49	G	-
50	L	-
51	L	-
52	P	-
53	P	-
54	P	-
55	G	-
56	SB	-
57	O	-
58	LG	-
59	V	-
60	SB	-
61	LG	-
62	BE	-

Connector No.	E17
Connector Name	ROOM 2 INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	TH10FB-NH



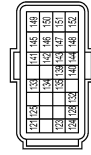
Terminal No.	Color Of Wire	Signal Name [Specification]
63	G	-
64	Y	-
65	BE	-
66	BR	-
67	W	-

Connector No.	E18
Connector Name	ECM
Connector Type	RH24EGY-R29-R-RH



Terminal No.	Color Of Wire	Signal Name [Specification]
89	P	CAN COMMUNICATION LINE (CAN-L)
90	P	CAN COMMUNICATION LINE (CAN-H)
91	Y	SENSOR POWER SUPPLY
100	R	ACCELERATOR PEDAL POSITION SENSOR 1
103	R	PMP SIGNAL
104	R	DATA LINK CONNECTOR
105	GR	SENSOR GROUND
106	Y	POWER SUPPLY FOR ECM (BACKUP)
108	GR	CLUTCH PEDAL POSITION SWITCH
109	O	IGNITION SWITCH
110	P	ASC2 STEERING SWITCH
111	B	SENSOR GROUND
112	BR	ECM RELAY (SELF SHUT-OFF)
115	R	STOP LAMP SWITCH
116	G	BRAKE PEDAL POSITION SWITCH
117	Y	SENSOR POWER SUPPLY
118	O	ACCELERATOR PEDAL POSITION SENSOR 2
120	Y	SENSOR GROUND
121	G	POWER SUPPLY FOR ECM
122	G	THROTTLE CONTROL MOTOR POWER SUPPLY
123	GR	ECM GROUND
124	GR	ECM GROUND
125	L	A/F SENSOR 1 HEATER
126	W	HEATED OXYGEN SENSOR 2 HEATER
127	GR	ECM GROUND

Connector No.	E19
Connector Name	ECM
Connector Type	RH24EP-R26-L-LH



Terminal No.	Color Of Wire	Signal Name [Specification]
121	L	EVAP CONTROL SYSTEM PRESSURE SENSOR
122	P	CAN COMMUNICATION LINE (CAN-L)
123	P	CAN COMMUNICATION LINE (CAN-H)
124	G	SENSOR POWER SUPPLY
125	G	SENSOR POWER SUPPLY
126	G	FUEL TANK TEMPERATURE SENSOR
127	GR	CLUTCH PEDAL POSITION SWITCH
128	GR	IGNITION SWITCH
129	LG	ASC2 STEERING SWITCH
130	P	ASC2 STEERING SWITCH
131	B	SENSOR GROUND
132	R	STOP LAMP SWITCH
133	G	BRAKE PEDAL POSITION SWITCH
134	O	EVAP CANISTER VENT CONTROL VALVE
135	O	SENSOR POWER SUPPLY
136	Y	SENSOR GROUND
137	Y	SENSOR POWER SUPPLY
138	Y	SENSOR GROUND
139	Y	SENSOR POWER SUPPLY
140	Y	ECM GROUND
141	Y	ECM GROUND
142	R	ACCELERATOR PEDAL POSITION SENSOR 1
143	R	ACCELERATOR PEDAL POSITION SENSOR 1
144	GR	ECM GROUND
145	GR	ECM GROUND
146	GR	ECM GROUND
147	GR	ECM GROUND
148	Y	SENSOR GROUND
149	GR	ECM GROUND
150	R	ACCELERATOR PEDAL POSITION SENSOR 1
151	GR	SENSOR GROUND
152	GR	ECM GROUND

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# POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

## IGNITION POWER SUPPLY

Connector No.	E29
Connector Name	FRONT WIPER MOTOR
Connector Type	FM05FGY-B



Terminal No.	Color	Wire	Signal Name [Specification]
1	W	W	BAT (MTR)
2	W	W	BAT (SOL)
3	BR	BR	GND (SOL)
4	BR	BR	GND (MTR)
5	B	B	VDC OFF SW

Connector No.	E29
Connector Name	CLUTCH INTERLOCK SWITCH
Connector Type	MM4FW-LG



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

Connector No.	E35
Connector Name	ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT)
Connector Type	RM28FB-NM4-1H



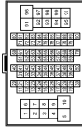
Terminal No.	Color	Wire	Signal Name [Specification]
1	W	W	BAT (MTR)
2	W	W	BAT (SOL)
3	B	B	GND (SOL)
4	B	B	GND (MTR)
5	R	R	VDC OFF SW
6	G	G	ASCD CANCEL SW
8	R	R	STOP LAMP SW
9	P	P	CAN-L
11	BR	BR	DP RR
12	W	W	DS FR
13	G	G	VCC
14	R	R	SERIAL+
15	Y	Y	DS RR
16	W	W	IGN
17	W	W	REVERSE SIGNAL
18	Y	Y	DP FR
22	L	L	CAN-H
23	LG	LG	DP FL
26	G	G	RR LH SENS VB
27	BR	BR	DS FL
28	B	B	GND
29	W	W	SERIAL-
30	BE	BE	RR LH SENS SIG

Connector No.	E102
Connector Name	STOP LAMP SWITCH
Connector Type	MM4FW-LG



Terminal No.	Color	Wire	Signal Name [Specification]
1	W	W	
2	R	R	
3	BE	BE	
4	P	P	

Connector No.	E105
Connector Name	WIRE TO WIRE
Connector Type	TH8DMW-GS16-TM4



Terminal No.	Color	Wire	Signal Name [Specification]
1	L	L	
4	Y	Y	
6	P	P	
10	R	R	
11	W	W	
12	B	B	
13	R	R	
14	SHIELD	SHIELD	
15	FL	FL	
36	B	B	
37	P	P	
32	R	R	
53	BR	BR	
54	V	V	
55	BE	BE	

58	G	G	
59	Y	Y	
62	Y	Y	
63	V	V	
64	LG	LG	
65	L	L	
66	R	R	
67	W	W	
68	SB	SB	
70	BR	BR	
71	LG	LG	
72	V	V	
73	L	L	
76	R	R	
78	W	W	
79	B	B	
80	L	L	
83	Y	Y	
84	LG	LG	
85	P	P	
86	BE	BE	
90	SHIELD	SHIELD	
91	G	G	
92	R	R	
95	BR	BR	
96	P	P	
97	GR	GR	
98	W	W	
99	V	V	
100	O	O	

Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	LU2FB-MC



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

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# POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

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## IGNITION POWER SUPPLY

Connector No.	E108
Connector Name	WIRE TO WIRE
Connector Type	NS2MMF-CS



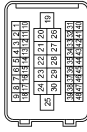
Terminal No.	Color Of Wire	Signal Name [Specification]
1	P	-
2	LG	-
3	BR	- [MR engine for NISMO RS]
4	P	- [MR engine except for NISMO RS]

Connector No.	E112
Connector Name	BRAKE PEDAL POSITION SWITCH
Connector Type	IM02FBR-LG



Terminal No.	Color Of Wire	Signal Name [Specification]
1	BE	-
2	G	-

Connector No.	F1
Connector Name	WIRE TO WIRE
Connector Type	SA438FP-RS10-SZZ



Terminal No.	Color Of Wire	Signal Name [Specification]
1	P	-
2	W	- [MR engine except for NISMO RS]
3	Y	- [MR engine for NISMO RS]
4	BG	- [MR engine for NISMO RS]
5	LG	-
7	G	-
10	Y	- [MR engine except for NISMO RS]
11	G	- [MR engine except for NISMO RS]
12	G	-
13	B	- [MR engine except for NISMO RS]
14	BG	- [MR engine for NISMO RS]
15	V	- [MR engine for NISMO RS]
16	BR	- [MR engine except for NISMO RS]
17	SB	-
18	G	-
19	G	-
20	BR	-
21	G	-
22	BR	- [MR engine for NISMO RS]
23	B	-
24	R	-
25	R	-
26	B	-
27	R	-
28	W	-
30	GR	- [MR engine except for NISMO RS]
31	BG	- [MR engine for NISMO RS]

Terminal No.	Color Of Wire	Signal Name [Specification]
32	LG	-
34	C	- [MR engine for NISMO RS]
34	P	- [MR engine except for NISMO RS]
37	G	- [Without Intelligent Key]
37	GR	- [With Intelligent Key]
38	R	-
39	GR	-
40	P	-
41	V	- [MR engine for NISMO RS]
42	L	- [MR engine except for NISMO RS]
42	W	- [MR engine for NISMO RS]
43	L	- [MR engine for NISMO RS]
44	BR	- [MR engine except for NISMO RS]
44	C	- [MR engine for NISMO RS]
45	BR	-
46	R	-
47	Y	-
48	GR	- [With Intelligent Key]
48	Y	- [Without Intelligent Key]

Connector No.	F13
Connector Name	CONDENSER
Connector Type	IM02FFV-LG



Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	B	-

Connector No.	F17
Connector Name	COMPRESSOR
Connector Type	RS01FB



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	- MAGNET CLUTCH POWER SUPPLY

Connector No.	F19
Connector Name	SECONDARY SPEED SENSOR
Connector Type	RK02FE



Terminal No.	Color Of Wire	Signal Name [Specification]
1	V	-
2	R	-
3	LG	-

# POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

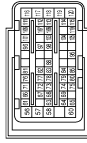
## IGNITION POWER SUPPLY

Connector No.	F22
Connector Name	OUTPUT SPEED SENSOR
Connector Type	RK03BE



Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	—
2	R	—
3	LG	—

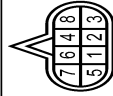
Connector No.	F24
Connector Name	ECM
Connector Type	MA855FB-MEB10-LH



Terminal No.	Color Of Wire	Signal Name [Specification]
56	R	EGR VOLUME CONTROL VALVE POWER SUPPLY
57	W	EGR VOLUME CONTROL VALVE MOTOR (+)
58	R	EGR VOLUME CONTROL VALVE MOTOR (-)
60	B	ECM GROUND
61	W	SENSOR POWER SUPPLY
63	L	SENSOR GROUND
64	SHIELD	SHIELD
65	R	WASTEGATE CONTROL VALVE POSITION SENSOR
66	G	SENSOR POWER SUPPLY
67	GR	CAMSHAFT POSITION SENSOR
68	GR	EGR VOLUME CONTROL VALVE POSITION SENSOR
69	LG	EXHAUST MANIFOLD TEMPERATURE SENSOR
71	L	SENSOR GROUND
72	B	SENSOR POWER SUPPLY
73	GR	SENSOR POWER SUPPLY
74	B	A. F. SENSOR 1
75	L	MULTI-WAY CONTROL VALVE POSITION SENSOR
76	R	EGR TEMPERATURE SENSOR

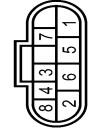
77	V	INTAKE AIR TEMPERATURE SENSOR 2
78	R	SENSOR GROUND
79	W	A. F. SENSOR 1
80	W	THROTTLE POSITION SENSOR 2
81	BR	ECM RELAY (SELF SHUT-OFF)
82	Y	FUEL PUMP RELAY
83	B	SENSOR POWER SUPPLY
84	W	HEATED OXYGEN SENSOR 2
85	R	SENSOR GROUND
88	G	THROTTLE POSITION SENSOR 1
95	LG	IGNITION SIGNAL NO.2
96	R	IGNITION SIGNAL NO.1
97	Y	THROTTLE CONTROL MOTOR RELAY
98	S	ENGINE OIL PRESSURE CONTROL SOLENOID VALVE
99	RS	IGNITION SIGNAL NO.4
103	BR	PUMP SIGNAL
104	P	IGNITION SIGNAL NO.3
105	BR	TURBOCHARGER BYPASS CONTROL VALVE
106	R	ELECTRIC WASTEGATE CONTROL ACTUATOR MOTOR (+)
107	L/Y	ELECTRIC WASTEGATE CONTROL ACTUATOR MOTOR (-)
108	P/L	ELECTRIC WASTEGATE CONTROL ACTUATOR MOTOR (-)
110	B	ECM GROUND
111	W	INTAKE VALVE TIMING CONTROL SOLENOID VALVE
112	G	EXHAUST VALVE TIMING CONTROL SOLENOID VALVE
113	Y	POWER SUPPLY FOR ECM (ENGINE OFF) TIMER
114	L	INJECTOR VALVE THROTTLE POSITION CONTROL SOLENOID VALVE
115	L	DUMP WASTEGATE PULSE VOLUME CONTROL SOLENOID VALVE
116	G	HEATED OXYGEN SENSOR 1
117	GR	A. F. SENSOR 1 HEATER
118	GR	THROTTLE CONTROL MOTOR POWER SUPPLY
119	GR	THROTTLE CONTROL MOTOR (OPEN)
120	BR	THROTTLE CONTROL MOTOR (CLOSE)

Connector No.	F27
Connector Name	TRANSMISSION RANGE SWITCH
Connector Type	RK08FG



Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	—
2	BR	—
3	LG	—
4	L	—
5	G	—
6	Y	—
7	W	—
8	V	—

Connector No.	F30
Connector Name	TRANSMISSION RANGE SWITCH
Connector Type	YD08FB-1S4



Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	—
2	BR	—
3	SR	—
4	G	—
5	LG	—
6	LG	—
7	W	—
8	BR	—

Connector No.	F33
Connector Name	IGNITION COIL No. 1 (LEFT POWER TAKEOFF)
Connector Type	E03FGY-RS



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	—
2	R	—
3	R	—

Connector No.	F34
Connector Name	IGNITION COIL No. 2 (LEFT POWER TAKEOFF)
Connector Type	E03FGY-RS



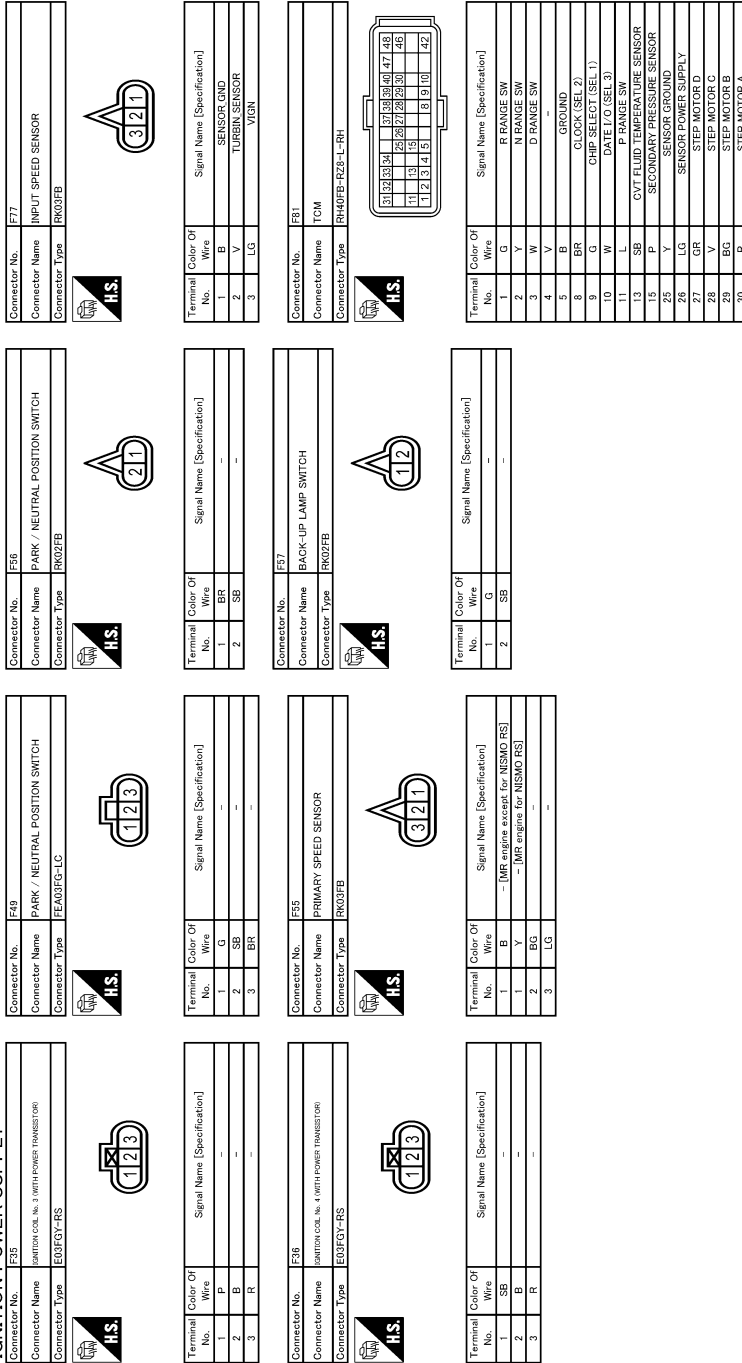
Terminal No.	Color Of Wire	Signal Name [Specification]
1	LG	—
2	B	—
3	R	—

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# POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

## IGNITION POWER SUPPLY



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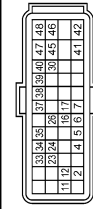
# POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

## IGNITION POWER SUPPLY

32	P	CAN-L
33	EG	CAN-H
33	EG	PRIMARY SPEED SENSOR
34	R	SECONDARY SPEED SENSOR
37	L	LOCK-UP SELECT SOLENOID VALVE
38	G	TORQUE CONVERTER CLUTCH SOLENOID VALVE
39	W	SECONDARY PRESSURE SOLENOID VALVE
40	Y	LINE PRESSURE SOLENOID VALVE
42	B	GROUND
47	EG	IGNITION POWER SUPPLY
47	EG	BATTERY POWER SUPPLY/MEMORY BACK-UP
48	Y	IGNITION POWER SUPPLY

Connector No.	F83
Connector Name	TCM
Connector Type	RH40BF-R28-L-RH



Terminal No.	Color Of Wire	Signal Name [Specification]
2	WR	--
5	LG	D RANGE SW
6	G	N RANGE SW
7	SB	P RANGE SW
11	Y	SENSOR GROUND
12	SB	CVT FLUID TEMPERATURE SENSOR
16	P	SECONDARY PRESSURE SENSOR
17	P	PRIMARY PRESSURE SENSOR
23	P	CAN-L
24	V	INPUT SPEED SENSOR
26	LG	SENSOR POWER SUPPLY
30	Y	LINE PRESSURE SOLENOID VALVE
33	L	CAN-H
34	EG	OUTPUT SPEED SENSOR
35	EG	PRIMARY SPEED SENSOR
37	LG	SELECT SOLENOID VALVE
38	LG	TORQUE CONVERTER CLUTCH SOLENOID VALVE
39	G	SECONDARY PRESSURE SOLENOID VALVE
40	W	PRIMARY PRESSURE SOLENOID VALVE
41	B	GROUND
42	B	GROUND

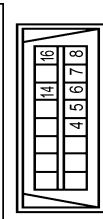
46	V	BATTERY POWER SUPPLY
47	CB	BATTERY POWER SUPPLY
47	LG	IGNITION POWER SUPPLY
48	W	IGNITION POWER SUPPLY

Connector No.	M1
Connector Name	FUSE BLOCK (1/B)
Connector Type	L01FW-MC



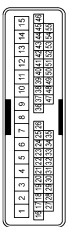
Terminal No.	1
Color Of Wire	W
Signal Name [Specification]	--

Connector No.	M4
Connector Name	DATA LINK CONNECTOR
Connector Type	B01BFW



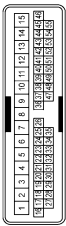
Terminal No.	4	
Color Of Wire	B	
Signal Name [Specification]	--	
5	B	--
6	L	--
7	W	--
8	LG	--
16	Y	--

Connector No.	IM0
Connector Name	WIRE TO WIRE
Connector Type	TH40MW-CS15



Terminal No.	Color Of Wire	Signal Name [Specification]
1	C	--
2	C	--
3	SB	--
4	V	--
13	GR	--
14	GR	--
15	L	--
16	SHIELD	--
17	Y	--
18	G	--
19	L	--
24	R	--
25	G	--
38	G	--
38	G	--
40	BR	--
41	C	--
43	V	--
44	V	--
45	LG	--
46	BR	--
50	P	--

Connector No.	M11
Connector Name	WIRE TO WIRE
Connector Type	TH40MW-CS15



Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	--
2	GR	--
3	SB	--
4	V	--
7	R	--
8	G	--
9	LG	--
10	Y	--
11	GR	--
12	GR	--
13	B	--
14	L	--
15	P	--
16	SHIELD	--
18	R	--
19	W	--
24	BR	--
25	Y	--
38	W	--
39	B	--
40	V	--
41	P	--
42	GR	--
43	V	--
44	P	--
45	G	--
46	P	--
48	Y	--
48	GR	--
49	R	--
50	LG	--
52	BR	--

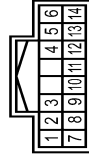
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# POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

## IGNITION POWER SUPPLY

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



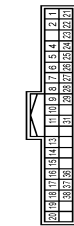
Terminal No.	Color Of Wire	Signal Name [Specification]
1	LG	WASHER (RR)
2	GR	WASHER (FR)
3	GR	WASHER (FR)
4	W	IGN
5	BR	OUTPUT 3
6	B	GND
7	V	OUTPUT 3
8	L	OUTPUT 5
9	R	INPUT 2
10	Y	INPUT 4
11	P	INPUT 1
12	W	OUTPUT 1
13	LG	INPUT 5
14	G	OUTPUT 2

Connector No.	M30
Connector Name	STEERING ANGLE SENSOR
Connector Type	TH18FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	GND
2	P	CAN-L
4	LG	IGN
5	L	CAN-H

Connector No.	M24
Connector Name	COMBINATION METER
Connector Type	TH40FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	C	CAN-H
2	B	CAN-L
4	Y	VEHICLE SPEED SIGNAL (8-PHASE)
5	G	PADDLE SHIFTER UP SWITCH SIGNAL
6	BR	FUEL LEVEL SENSOR SIGNAL
7	R	AIR BAG SIGNAL
8	P	-
9	W	SEAT BELT BUCKLE SWITCH SIGNAL (DRIVER SIDE)
10	SB	PARKING BRAKE SWITCH SIGNAL
11	G	BRAKE FLUID LEVEL SWITCH SIGNAL
13	GR	ILLUMINATION CONTROL SIGNAL
14	R	MANUAL MODE SHIFT UP SIGNAL
15	L	ACC POWER SUPPLY
16	W	MANUAL MODE SHIFT DOWN SIGNAL
17	G	WASHER LEVEL SWITCH SIGNAL
18	G	WASHER LEVEL SWITCH SIGNAL
19	GR	AMBIENT SENSOR SIGNAL
20	R	AMBIENT SENSOR GROUND
21	B	GROUND
22	B	GROUND
23	B	GROUND
24	L	FUEL LEVEL SENSOR GROUND
25	B	VDC GROUND
26	V	PADDLE SHIFTER DOWN SWITCH SIGNAL
27	LG	BATTERY POWER SUPPLY
28	GR	IGNITION SIGNAL
29	V	PASSENGER SEAT BELT WARNING SIGNAL
31	P	A/C AUTO AMP. CONNECTOR RECOGNITION SIGNAL
35	P	MANUAL MODE SIGNAL
36	P	MANUAL MODE SIGNAL
37	C	IGN
38	P	ALTERNATOR SIGNAL

Connector No.	M37
Connector Name	EPS CONTROL UNIT
Connector Type	TH18FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	P	CAN-L
2	L	CAN-H
4	LG	IGN

Connector No.	M39
Connector Name	BLOWER MOTOR
Connector Type	TM02FW



Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
2	L	-

Connector No.	M44
Connector Name	THERMO CONTROL AMP.
Connector Type	S16FW



Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	-
2	BR	-
3	BR	-
4	R	-
5	L	-

Connector No.	M50
Connector Name	A/C AUTO AMP.
Connector Type	TH18FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
2	LG	IN-VEHICLE SENSOR SIGNAL
3	V	INTAKE SENSOR SIGNAL
4	GR	AMBIENT SENSOR SIGNAL
5	P	SUNLOAD SENSOR SIGNAL
6	L	CAN-H
7	P	CAN-L
8	W	INTAKE DOOR MOTOR PWR POWER SUPPLY
9	P	A/C AUTO AMP. CONNECTOR RECOGNITION SIGNAL
10	P	CONNECTOR RECOGNITION SIGNAL
11	LG	CAN-L
12	Y	BATTERY POWER SUPPLY
13	GR	POWER TRANSDUCER CONTROL SIGNAL
14	LG	BLOWER FAN ON SIGNAL
15	Y	A/C ON SIGNAL
17	BR	A/MIX DRIVE SIGNAL 4

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JRMWG7072GB

# POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

## IGNITION POWER SUPPLY

18	GR	A, MIX DRIVE SIGNAL 3
19	W	A, MIX DRIVE SIGNAL 1
20	L	A, MIX DRIVE SIGNAL 1
21	G	IGNITION POWER SUPPLY
22	SB	INTAKE DOOR MOTOR PWR F/B SIGNAL
30	B	GROUND
35	G	REC DRIVE SIGNAL
36	V	FRE DRIVE SIGNAL
37	R	MODE DRIVE SIGNAL 4
38	P	MODE DRIVE SIGNAL 3
39	Y	MODE DRIVE SIGNAL 2
40	V	MODE DRIVE SIGNAL 1

Connector No.	M63
Connector Name	A/C CONTROL
Connector Type	SEA09FB-SH46



9	13	12	11	10	14		
6	7	2	1	8	3	4	5

Terminal No.	Color Of Wire	Signal Name [Specification]
2	SB	-
3	W	-
4	R	-
5	V	-
6	GR	-
7	G	-
8	B	-
9	B	-
10	W	-
11	R	-
12	Y	-
13	L	-
14	LG	-

Connector No.	M65
Connector Name	AIR MIX DOOR MOTOR
Connector Type	MA09FB



1	4	
2	3	6

Terminal No.	Color Of Wire	Signal Name [Specification]
2	LG	A, MIX DRIVE SIGNAL 2
3	BR	A, MIX DRIVE SIGNAL 4
4	L	A, MIX DRIVE SIGNAL 1
6	GR	A, MIX DRIVE SIGNAL 3

Connector No.	M61
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	NI28FY-EX



8	9	7	6	2	5	4	3
19	5	4	2	2	4	2	1
18	5	1	6	1	9	2	1

Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	IGN
2	B	IGN
3	Y	DR 1 (+)
4	Y	INFLATOR DRT1-6DR2-
5	Y	DR 2 (+)
6	Y	INFLATORAST+
7	Y	INFLATORAST-
8	Y	AS2 (+)
18	LG	EG2S (+)
19	V	EG2S (-)
22	SHIELD	SHIELD
23	R	AIR BAG W/L
24	V	SEAT BELT W/L
25	G	CUTOFF TELLTALE

51	B	FMS5 SENS RH+
52	C	FMS5 SENS RH-
53	Y	FMS5 SENS LH+
54	BR	FMS5 SENS LH-
59	L	CAN-H
60	P	CAN-L

Connector No.	M68
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH04FB-NH



2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
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Terminal No.	Color Of Wire	Signal Name [Specification]
2	L	COMBI SW INPUT 5
3	GR	COMBI SW INPUT 4
4	BR	COMBI SW INPUT 3
5	G	COMBI SW INPUT 2
6	W	COMBI SW INPUT 1
7	L	KEY CYL UNLOCK SW
8	R	KEY CYL LOCK SW
9	R	STOP AMP SW 1
10	W	-
12	GR	DOOR LK & UNLK SW LOCK
13	BR	DOOR LK & UNLK SW UNLOCK
14	SB	OPTICAL SENS
15	W	REAR WINDOW DEF SW
17	Y	OPTICAL SENS PWR SPLY
18	V	RECEIVER GND
21	P	NATS ANT AMP
23	R	SECURITY IND LAMP CONT
24	SS	BONGLE LINK
25	LG	NATS ANT AMP
26	BR	THERMO AMP
27	Y	SECURITY ANT SW
28	LS	BLAZARD SW
30	L	BK DOOR OPENER SW
31	GR	DR DOOR UNLK SENS
32	LG	COMBI SW OUTPUT 5
33	Y	COMBI SW OUTPUT 4
34	V	COMBI SW OUTPUT 3

35	B	COMBI SW OUTPUT 2
36	P	COMBI SW OUTPUT 1
37	G	DETECT SW
38	SS	RECEIVER COMM
39	L	CAN-H
40	P	CAN-L

Connector No.	M69
Connector Name	BOM (BODY CONTROL MODULE)
Connector Type	FEA09FW-FHM-SA



56	57	59	60	61	63	64
65	66	67	68	69	70	71

Terminal No.	Color Of Wire	Signal Name [Specification]
56	P	INT ROOM LAMP PWR SPLY
57	P	BATT(USE)
59	SB	PASS DOOR UNLK OUTPUT
60	V	TURN SIG LH OUTPUT
61	W	TURN SIG RH OUTPUT
63	BR	INT ROOM LAMP CONT
64	Y	ALL DOOR LOCK OUTPUT
65	SB	DOOR UNLOCK CR
67	B	GND
68	L	PW PWR SPLY (IGN)
69	P	PW PWR SPLY (BAT)
70	Y	BAT (F/L)



# POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

## IGNITION POWER SUPPLY

Connector No.	M70
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH48FW-NH



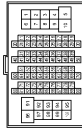
Terminal No.	Color Of Wire	Signal Name [Specification]
72	SB	A/C IND OUTPOT
73	BR	DOOR SW
74	LG	PASS DOOR SW
75	LG	DRIVER DOOR ANT+
76	P	DRIVER DOOR ANT-
79	V	PASS DOOR ANT+
80	BR	PASS DOOR ANT-
81	G	REAR EMFR ANT+
82	W	REAR EMFR ANT-
83	B	ROOM ANT 1+
84	BR	ROOM ANT 1-
85	GR	ROOM ANT 2+
86	G	ROOM ANT 2-
87	R	LUGGAGE ROOM ANT+
88	V	LUGGAGE ROOM ANT-
89	LG	PUSH SW (LAMP) PWR
90	W	ACC / ON IND
91	W	PUSH-SW (IGN SW) L LND
92	R	HEX WARN BUZZER
93	GR	ACC RELAY CONT
96	BR	STARTER RELAY CONT
97	SB	IGN RELAY (PDM E/R) CONT
98	P	IGN RELAY (F/B) CONT
99	R	PUSH SW
100	P	CLUTCH INTERLOCK SW
101	Y	NEUTRAL SW
102	L	FR DEFROST SW
103	G	STOP LAMP SW2
104	SB	CVT SHIFT SELECT PWR SPLY
105	V	STOP LAMP SW2
106	Y	BLUR RELAY CONT



Connector No.	M71
Connector Name	HEATED SEAT RELAY
Connector Type	MS02FL-M2-LC

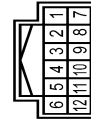
Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	
2	G	
3	G	
5	V	

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



Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	
4	V	
6	P	
10	R	
11	R	
12	LG	
13	V	
14	SHIELD	
34	G	
35	SB	
37	P	
52	R	
53	L	
54	SB	
55	P	

Connector No.	M79
Connector Name	WIRE TO WIRE
Connector Type	TH12FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
2	BR	
3	BR	
6	V	
10	V	
11	LG	

Connector No.	M82
Connector Name	WIRE TO WIRE
Connector Type	1004FW-LG



Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	
2	GR	
3	B	
4	Y	

Terminal No.	Color Of Wire	Signal Name [Specification]
58	LG	
59	Y	
62	W	
63	W	
64	G	
65	GR	
66	Y	
67	V	
69	R	
70	V	
71	R	
72	GR	
73	G	
76	W	
78	LG	
79	LG	
80	LG	
83	P	
84	G	
85	BR	
86	LG	
90	SHIELD	
91	Y	
92	BR	
95	Y	
96	L	
97	GR	
98	G	
99	R	
100	LG	

Connector No.	M78
Connector Name	WIRE TO WIRE
Connector Type	LC02MF-MC



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

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# POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

## IGNITION POWER SUPPLY

Connector No.	M89
Connector Name	WIRE TO WIRE
Connector Type	M02FW-LC



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

Connector No.	M80
Connector Name	MULTI DISPLAY UNIT
Connector Type	TH12FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	BATTERY POWER SUPPLY
2	V	ILLUMINATION SIGNAL
5	GR	ILLUMINATION SIGNAL GROUND
6	L	CAN-H
7	LG	IGNITION SIGNAL
10	B	GND
11	B	GND
12	P	CAN-L

Connector No.	M88
Connector Name	AROUND VIEW MONITOR CONTROL UNIT
Connector Type	TH40FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	SHIELD	SHIELD
2	B	CAMERA IMAGE SIGNAL
5	LG	FRONT CAMERA GROUND
6	R	FRONT CAMERA POWER SUPPLY
7	SHIELD	SHIELD
8	V	FRONT CAMERA IMAGE SIGNAL
9	G	SIDE CAMERA PASSENGER SIDE GROUND
10	L	SIDE CAMERA PASSENGER SIDE POWER SUPPLY
11	SHIELD	SHIELD
12	Y	SIDE CAMERA PASSENGER SIDE IMAGE SIGNAL
13	B	SIDE CAMERA DRIVER SIDE GROUND
14	W	SIDE CAMERA DRIVER SIDE POWER SUPPLY
15	SHIELD	SHIELD
16	R	SIDE CAMERA DRIVER SIDE IMAGE SIGNAL
17	LG	REAR CAMERA POWER SUPPLY
18	SHIELD	SHIELD
20	V	REAR CAMERA IMAGE SIGNAL
24	P	CAN-L
26	L	CAN-H
32	G	REVERSE SIGNAL
39	B	GROUND
40	LG	IGNITION SIGNAL

Connector No.	M109
Connector Name	NAVI CONTROL UNIT
Connector Type	TH24FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
21	Y	AUX AUDIO SIGNAL RH
22	Y	AUX AUDIO SIGNAL GROUND
23	L	AUX AUDIO SIGNAL LH
25	G	REVERSE SIGNAL
26	BR	SOUND SIGNAL WOOFER +
29	Y	SOUND SIGNAL WOOFER -
30	V	ILLUMINATION CONTROL SIGNAL
33	GR	ILLUMINATION CONTROL SIGNAL GROUND
34	W	MICROPHONE VCC
35	B	MICROPHONE GND
36	SHIELD	SHIELD
37	LG	IGNITION SIGNAL
40	B	COMPOSITE IMAGE SIGNAL
41	B	SHIELD
42	SHIELD	SHIELD

Connector No.	M342
Connector Name	MODE DOOR MOTOR
Connector Type	88 092-1001



Terminal No.	Color Of Wire	Signal Name [Specification]
1	--	MODE DRIVE SIGNAL 1
2	--	MODE DRIVE SIGNAL 2
3	--	MODE DRIVE SIGNAL 3
4	--	MODE DRIVE SIGNAL 4
5	--	IGNITION POWER SUPPLY

Connector No.	M343
Connector Name	WIRE TO WIRE
Connector Type	M04MM



Terminal No.	Color Of Wire	Signal Name [Specification]
2	R	--
3	B	--
4	Y	--

Connector No.	M344
Connector Name	POWER TRANSISTOR
Connector Type	TRW 8512100-F



Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	BLOWER MOTOR CONTROL OUTPUT
2	G	POWER TRANSISTOR CONTROL SIGNAL
3	B	GROUND
4	Y	IGNITION POWER SUPPLY

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




# POWER SUPPLY ROUTING CIRCUIT

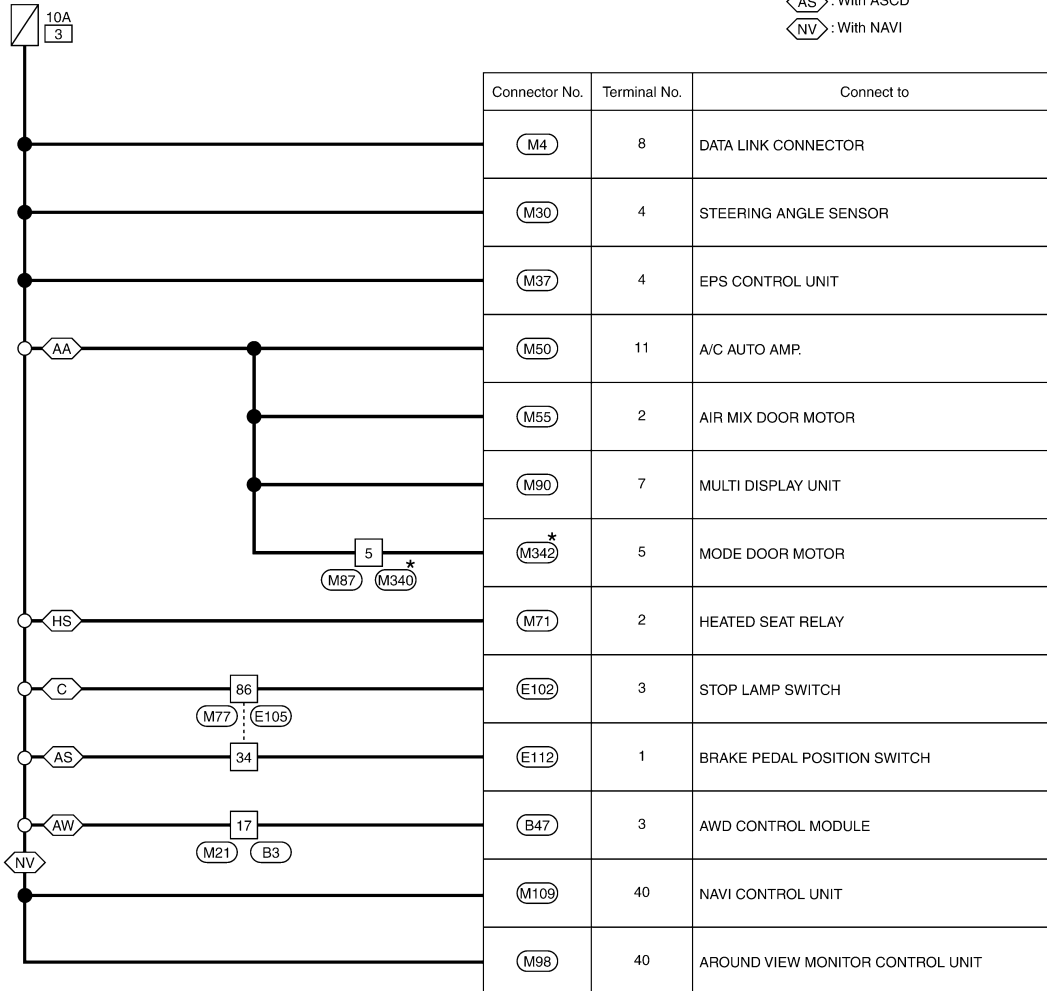
< WIRING DIAGRAM >

## Wiring Diagram - IGNITION POWER SUPPLY FUSE No.3 -

INFOID:000000011462001

### IGNITION POWER SUPPLY FUSE No. 3

-  : AWD models
-  : With CVT
-  : With automatic A/C
-  : With heated seat
-  : With ASCD
-  : With NAVI



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

2014/09/22

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# POWER SUPPLY ROUTING CIRCUIT

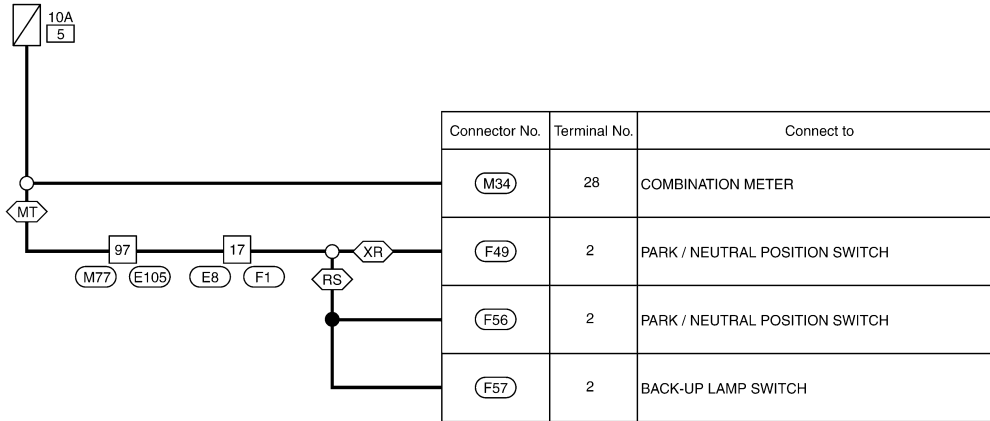
< WIRING DIAGRAM >

## Wiring Diagram - IGNITION POWER SUPPLY FUSE No.5 -

INFOID:000000011462002

### IGNITION POWER SUPPLY FUSE No. 5

- ⬡MT⬡ : With M/T
- ⬡RS⬡ : For NISMO RS models
- ⬡XR⬡ : Except for NISMO RS models



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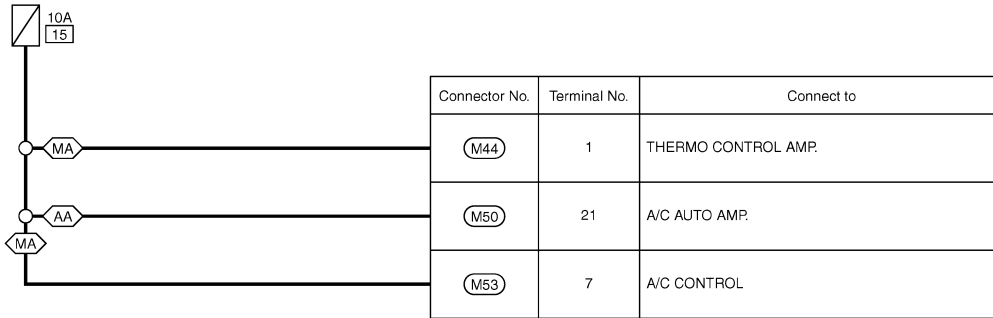
# POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

## Wiring Diagram - IGNITION POWER SUPPLY FUSE No.15 - IGNITION POWER SUPPLY FUSE No. 15

INFOID:000000011462003

AA - With auto A/C  
MA - With manual A/C



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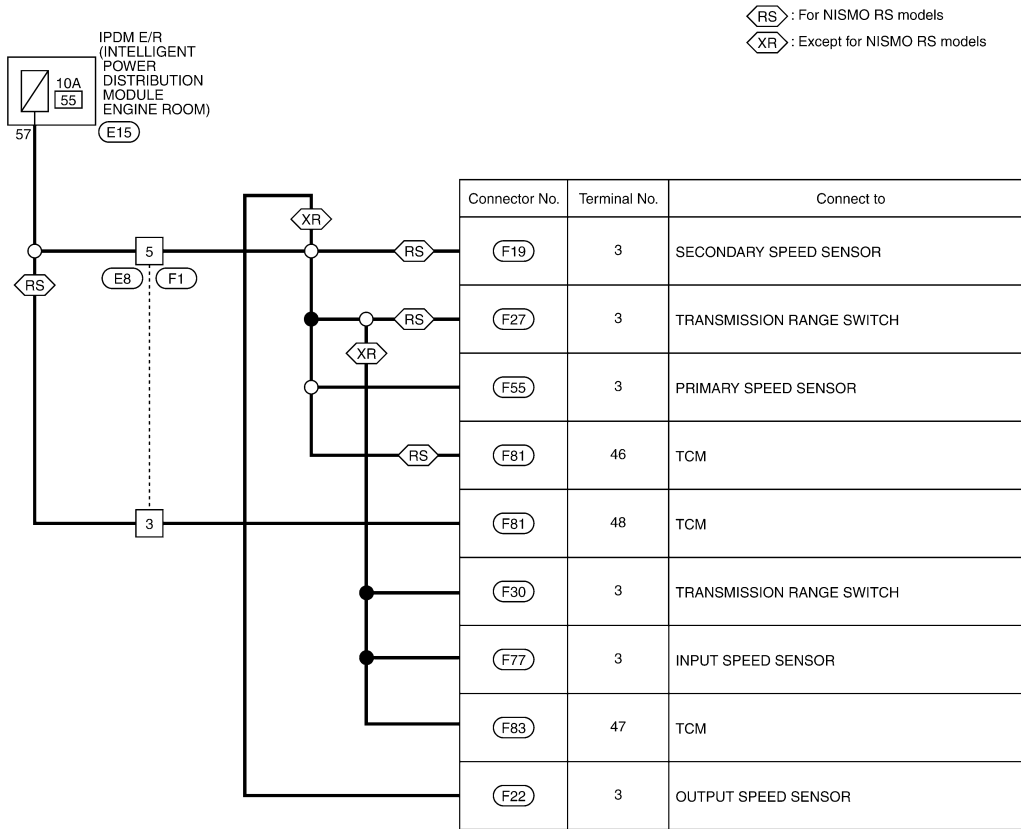
# POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

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

INFOID:000000011462004

### IGNITION POWER SUPPLY FUSE No. 55



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# POWER SUPPLY ROUTING CIRCUIT

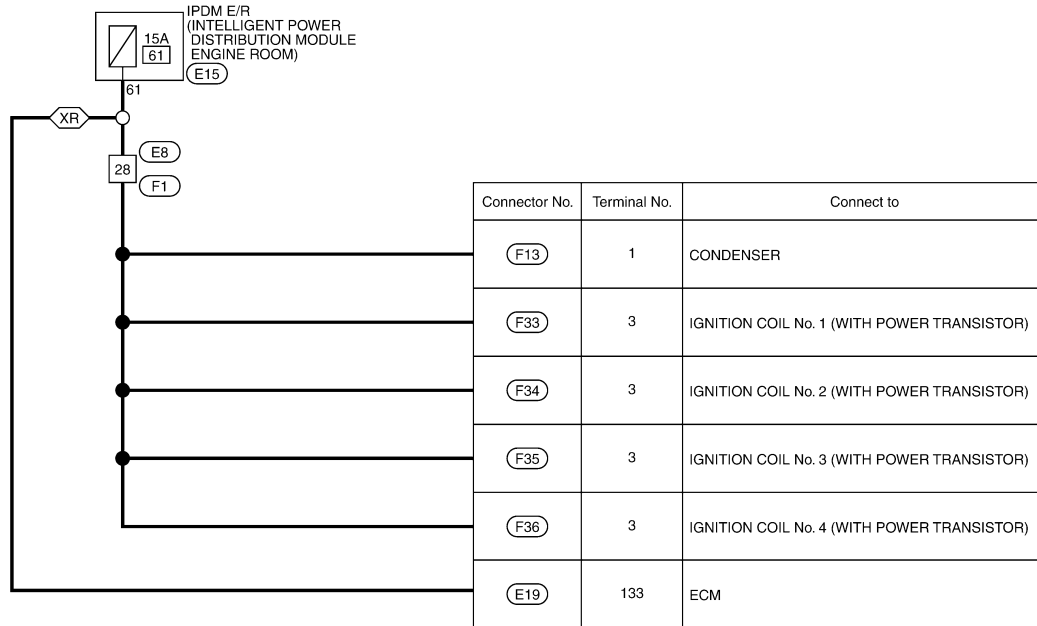
< WIRING DIAGRAM >

## Wiring Diagram - IGNITION POWER SUPPLY FUSE No.61 -

INFOID:000000011462005

### IGNITION POWER SUPPLY FUSE No. 61

 : Except for NISMO RS models



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# GROUND DISTRIBUTION

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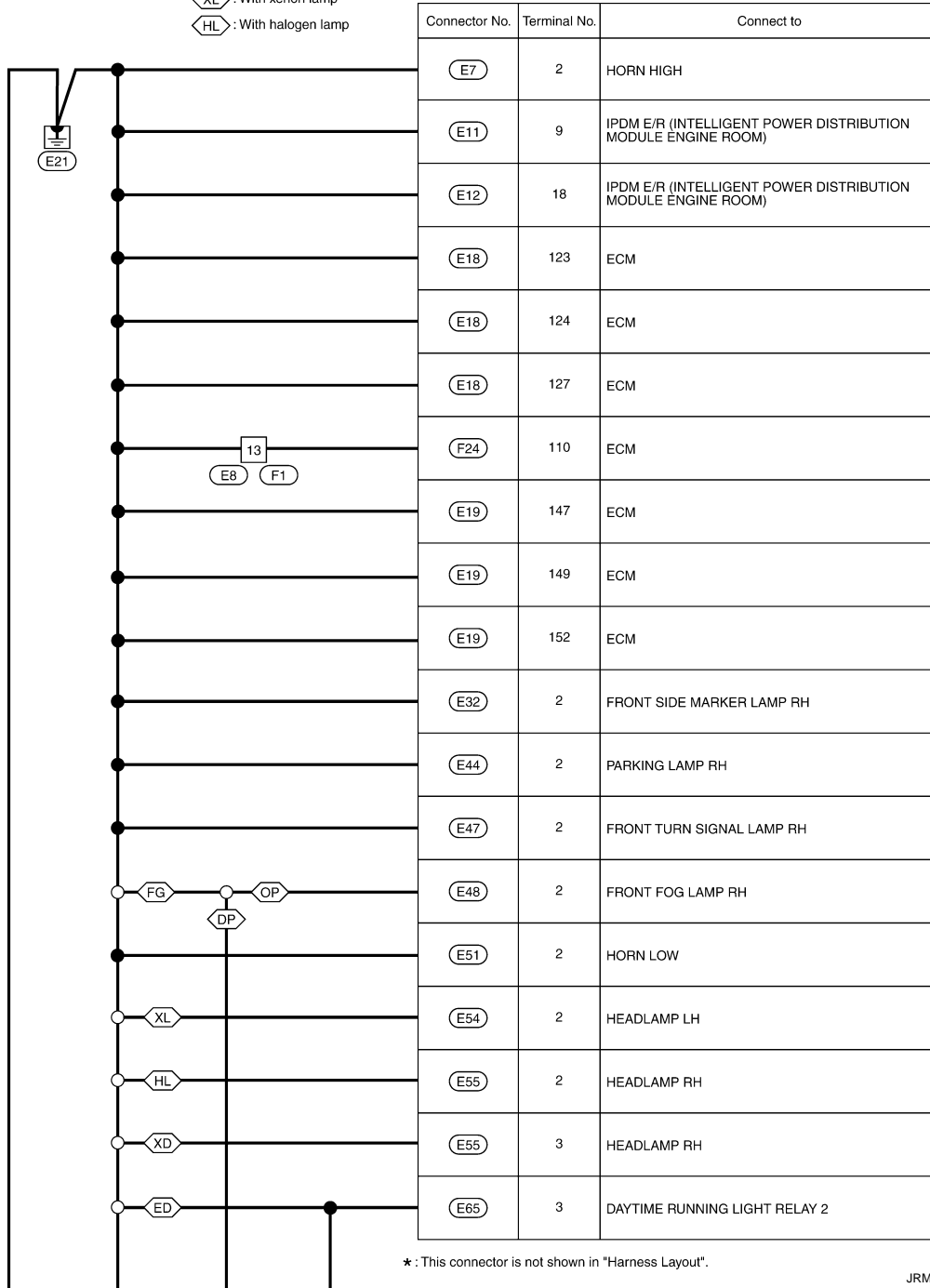
## GROUND DISTRIBUTION

### Engine Room Harness

INFOID:000000011773209

#### ENGINE ROOM HARNESS

- XR : Except for NISMO RS models
- RS : For NISMO RS models
- DP : With dealer option
- OP : Without dealer option
- CN : For Canada
- XL : With xenon lamp
- HL : With halogen lamp
- OD : Without daytime running light system
- FG : With front fog lamp
- ED : Except for NISMO models with daytime running light system
- ND : For NISMO models with daytime running light system
- XD : For NISMO models with daytime running light system and without daytime running light system

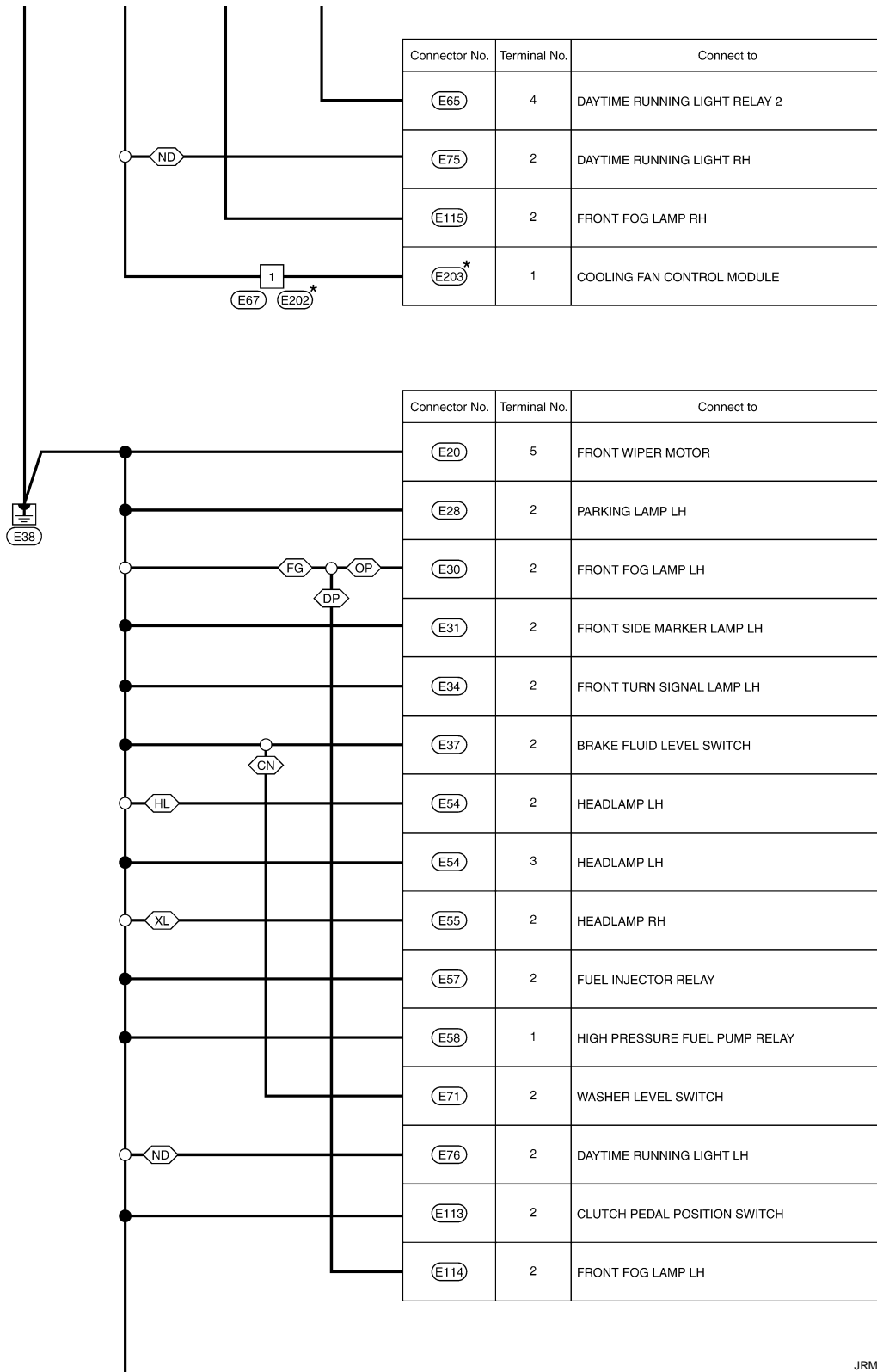


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# GROUND DISTRIBUTION

< WIRING DIAGRAM >

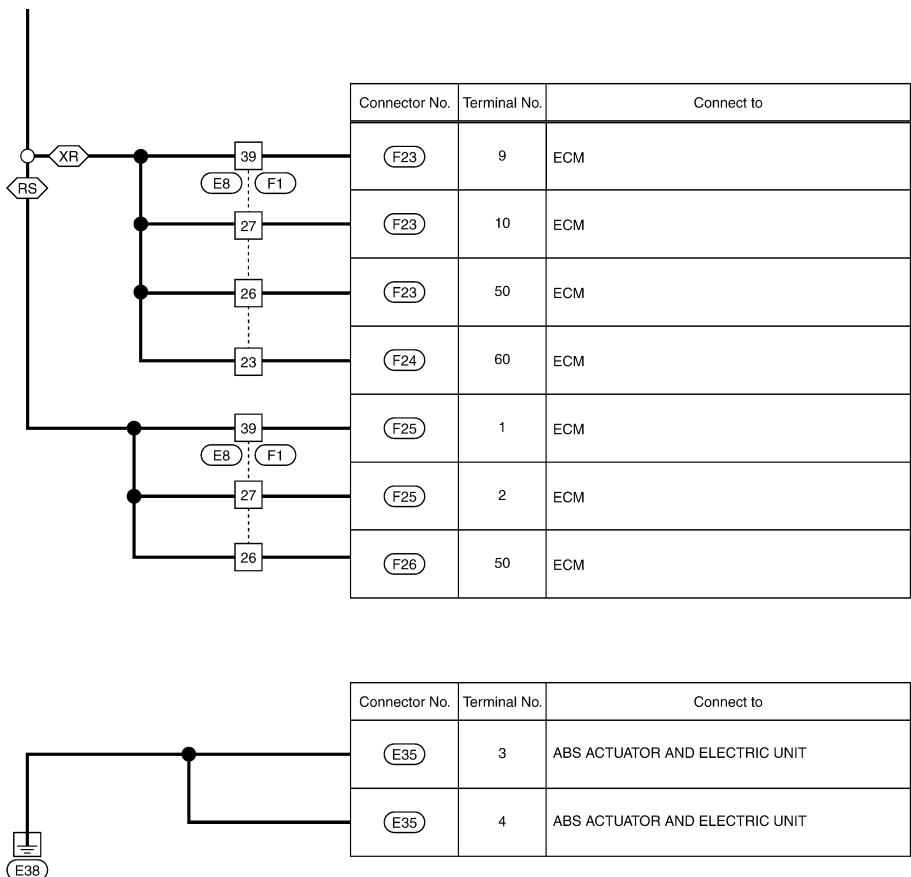


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# GROUND DISTRIBUTION

< WIRING DIAGRAM >



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# GROUND DISTRIBUTION

< WIRING DIAGRAM >

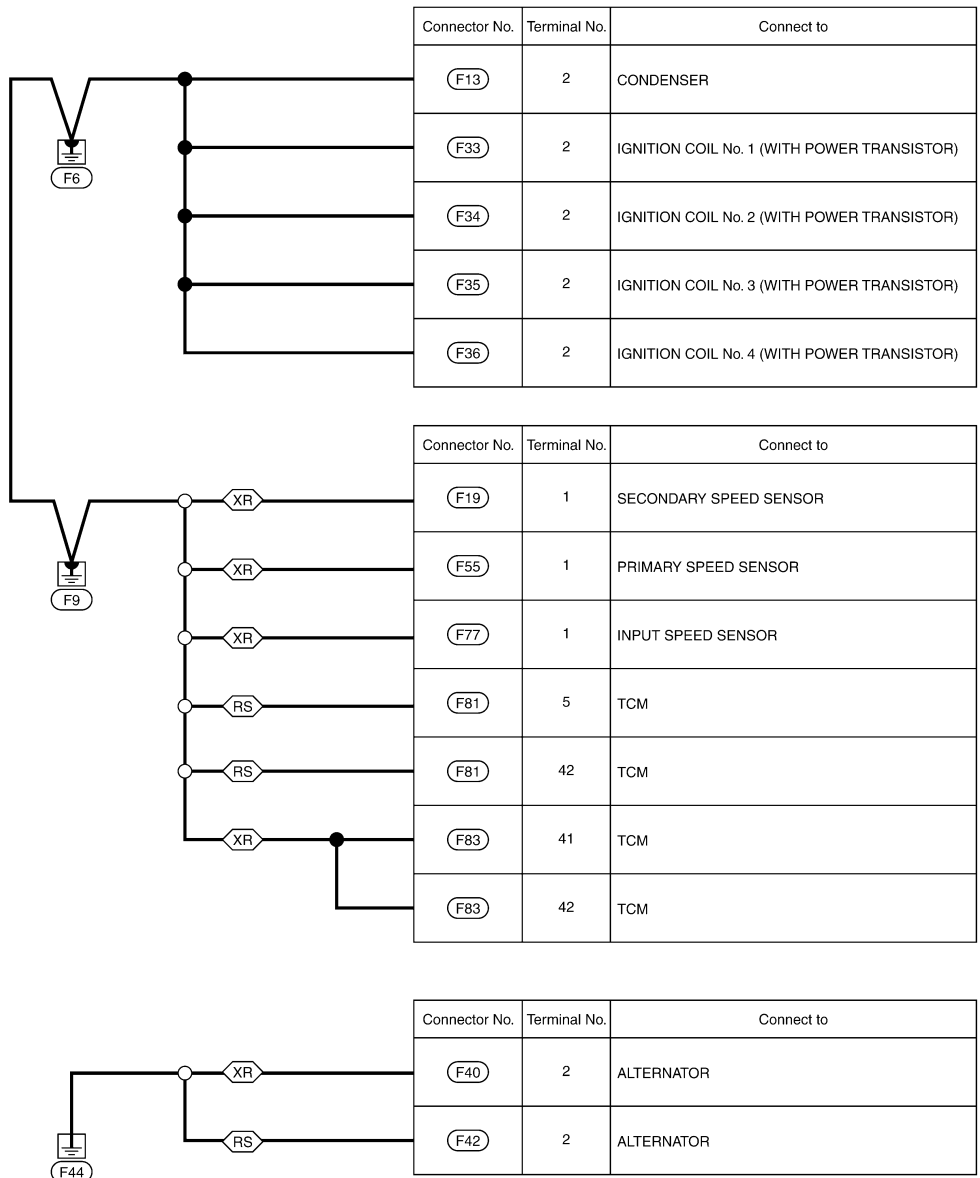
## Engine Control Harness

INFOID:000000011773219

### ENGINE CONTROL HARNESS

**XR** : Except for NISMO RS models

**RS** : For NISMO RS models



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# GROUND DISTRIBUTION

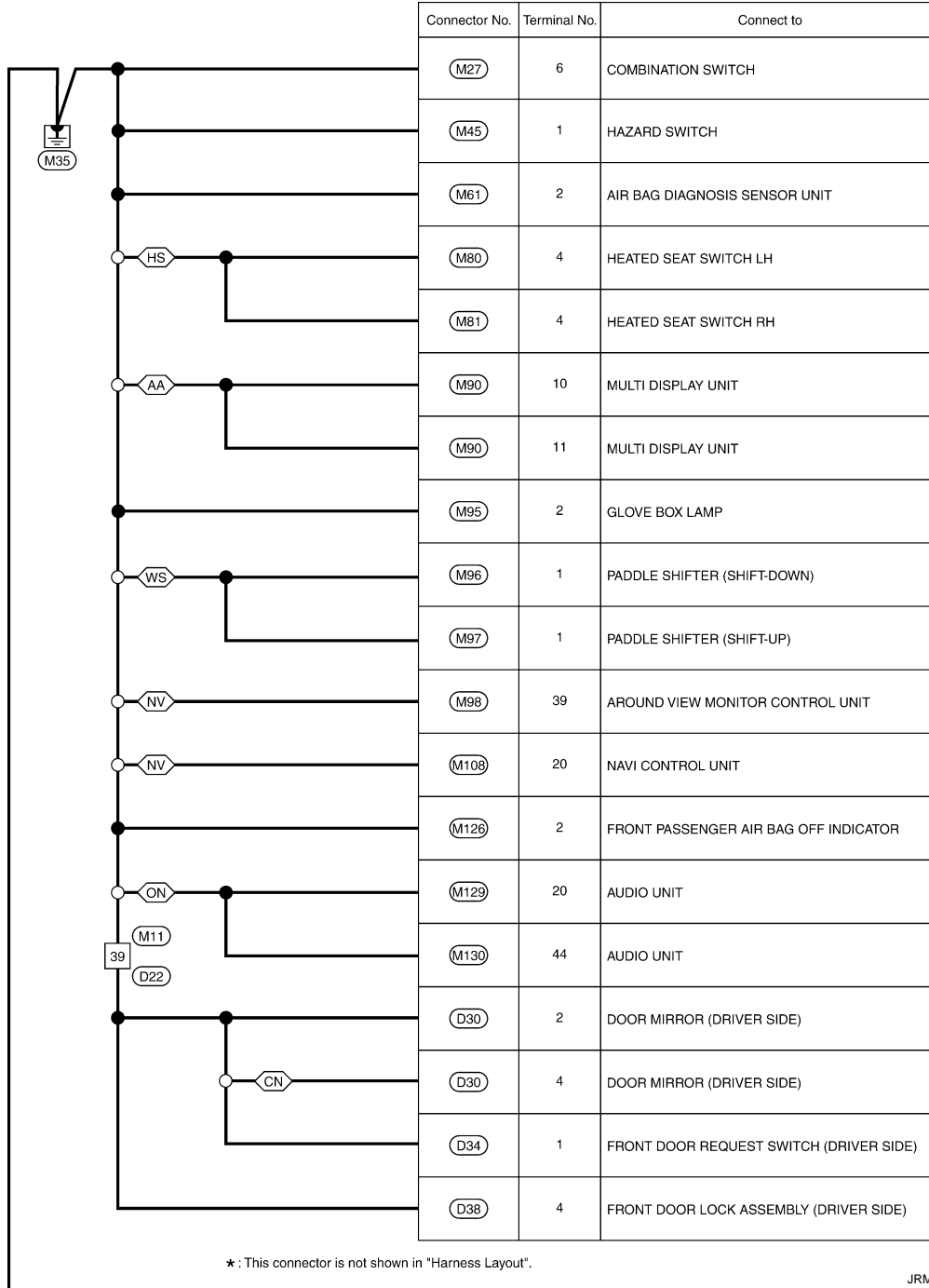
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## Main Harness

INFOID:000000011773210

### MAIN HARNESS

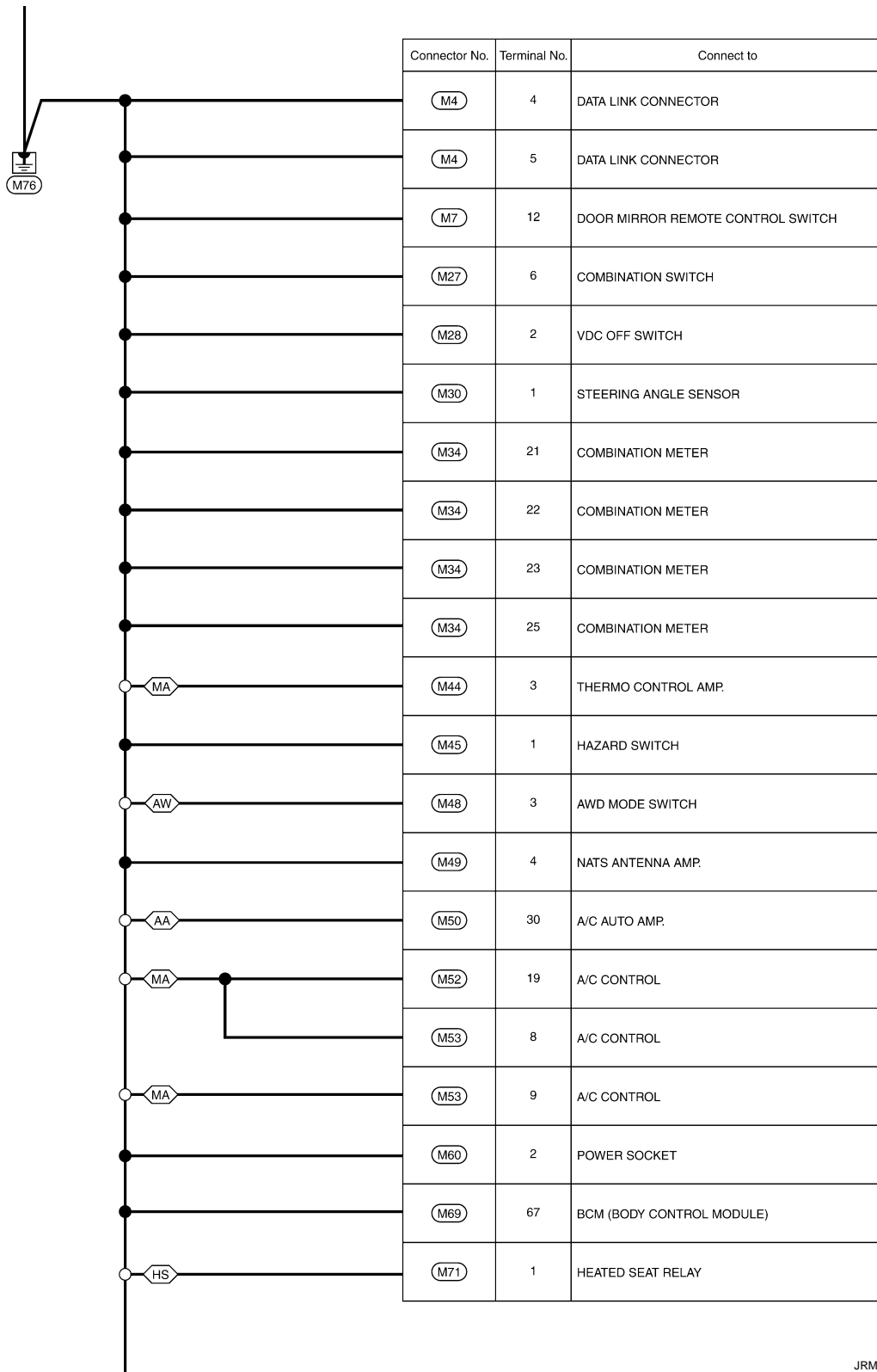
- |                         |                          |
|-------------------------|--------------------------|
| AA : With automatic A/C | AW : AWD models          |
| NV : With NAVI          | WR : With sunroof        |
| MA : With manual A/C    | CN : For Canada          |
| HS : With heated seat   | WS : With paddle shifter |
| ON : Without NAVI       | C : With CVT             |



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# GROUND DISTRIBUTION

< WIRING DIAGRAM >

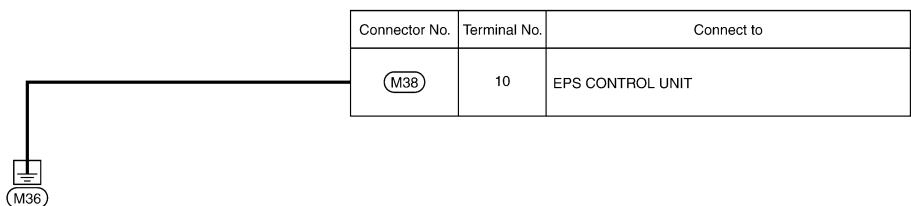
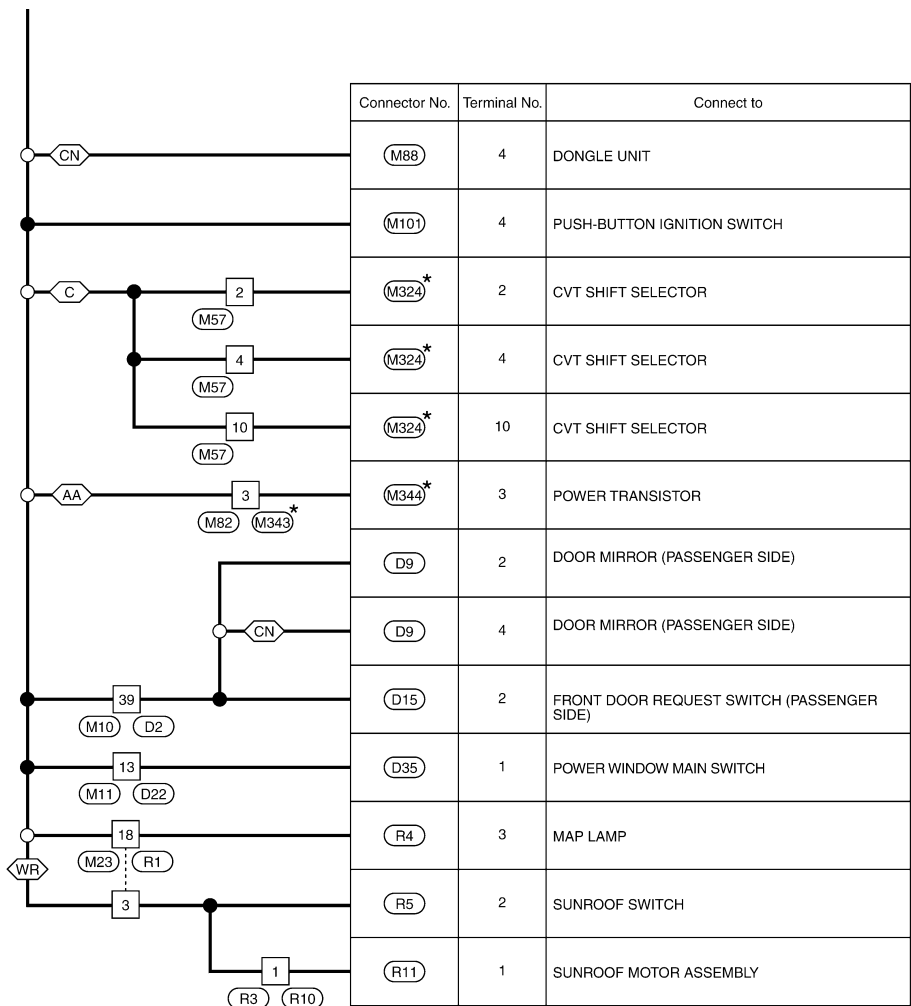


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# GROUND DISTRIBUTION

< WIRING DIAGRAM >



2014/09/22

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


# GROUND DISTRIBUTION

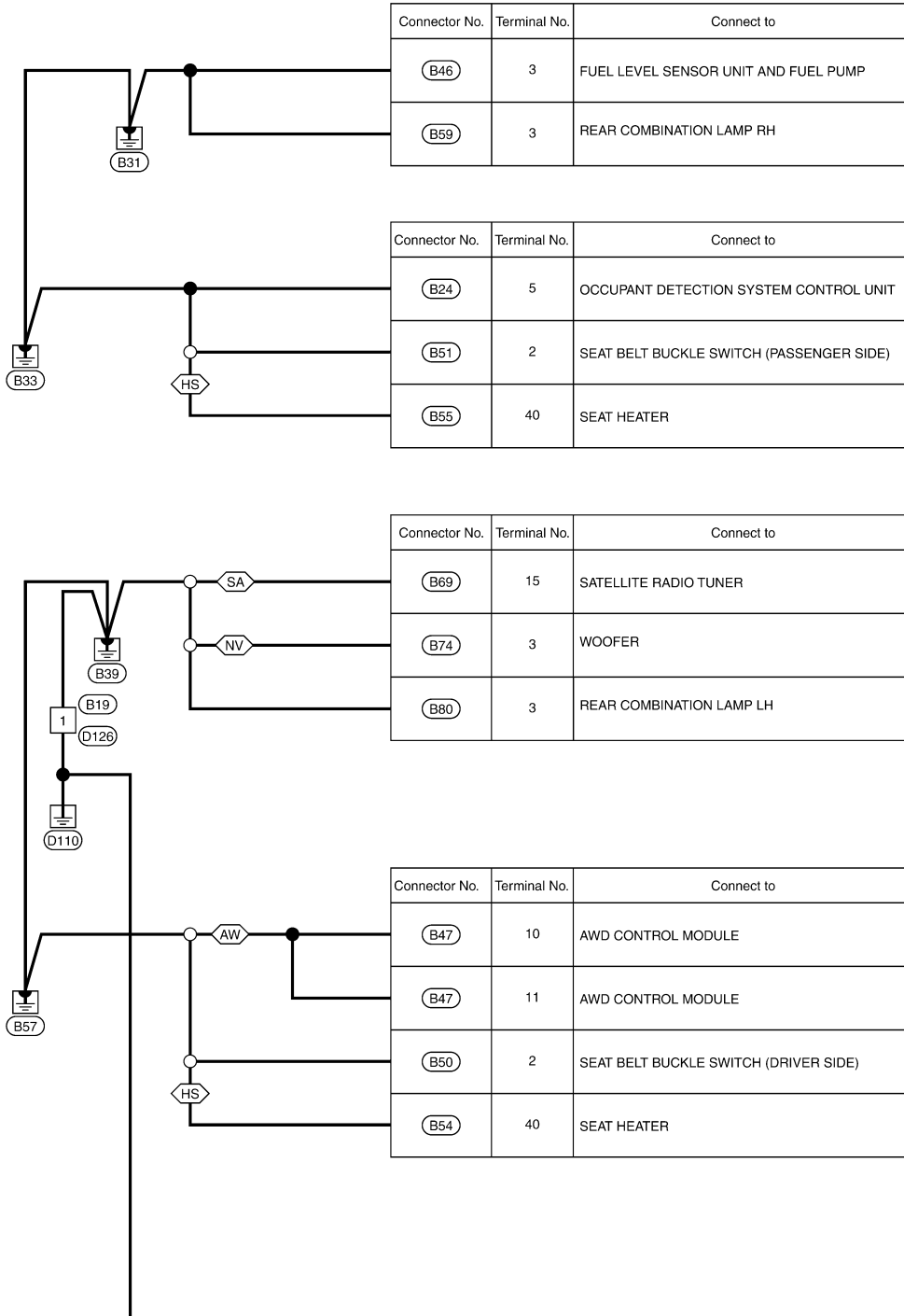
< WIRING DIAGRAM >

## Body Harness

INFOID:000000011773211

### BODY HARNESS

-  : With heated seat
-  : With NAVI
-  : With satellite radio
-  : AWD models

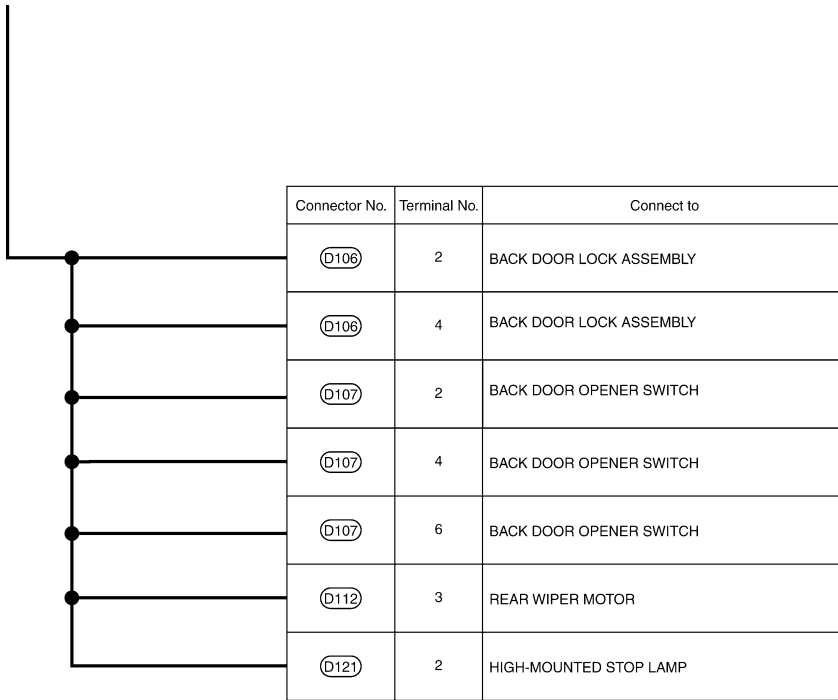


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# GROUND DISTRIBUTION

< WIRING DIAGRAM >



2014/09/22

JRMWG7090GB



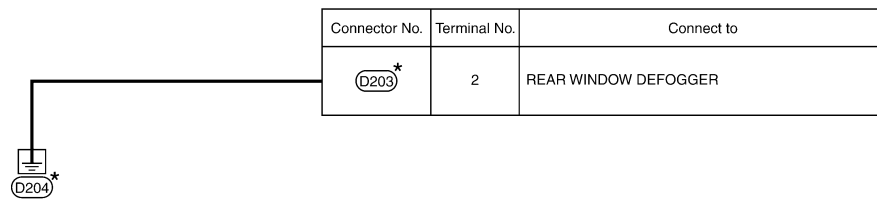
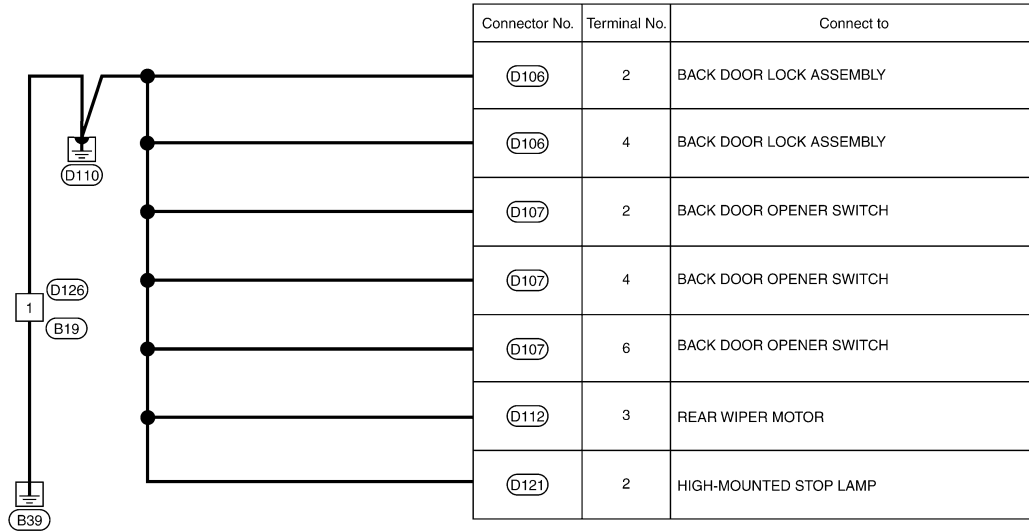
# GROUND DISTRIBUTION

< WIRING DIAGRAM >

## Door Harness

INFOID:000000011773212

### DOOR HARNESS



2014/09/22

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

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# OPTION HARNESS

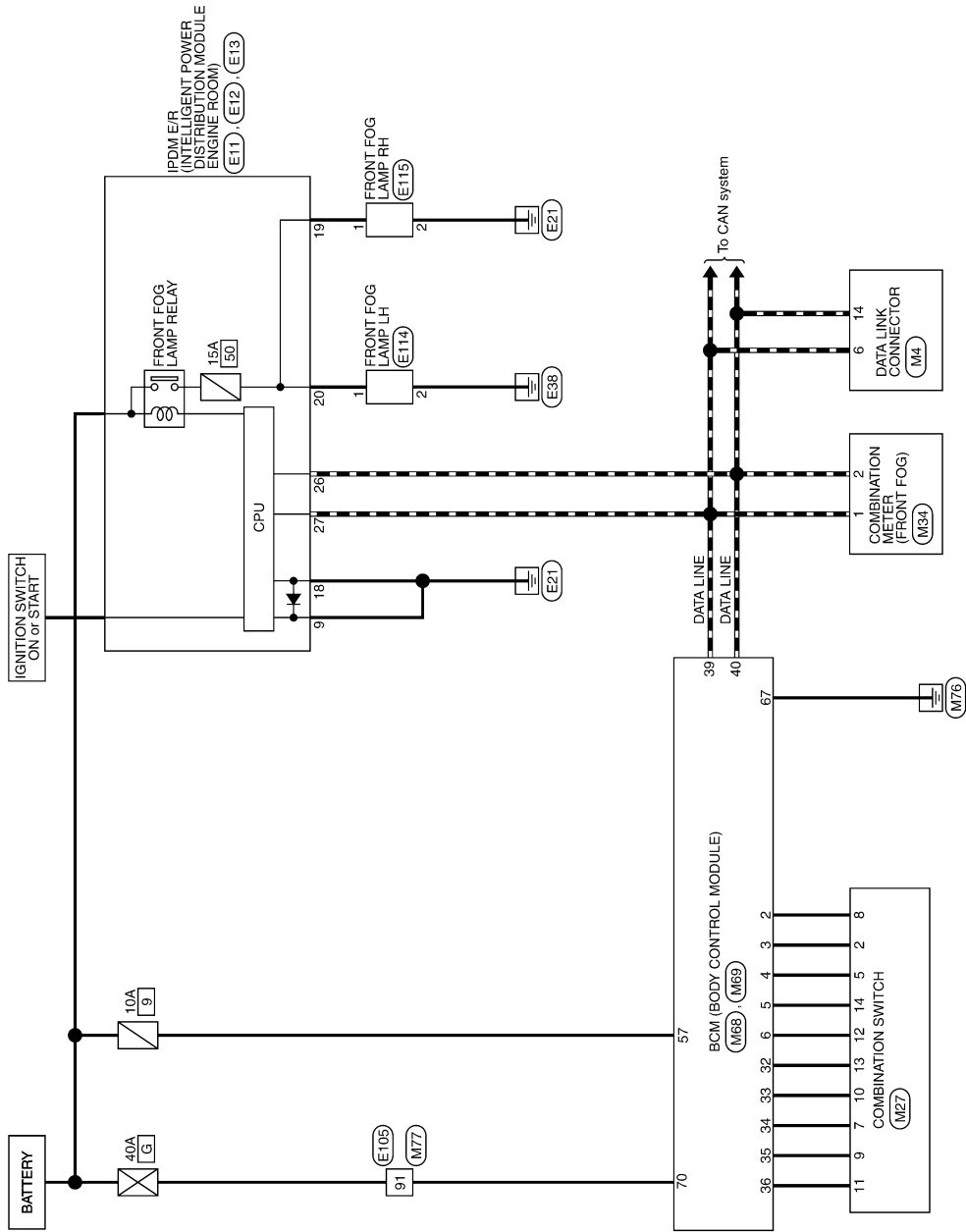
< WIRING DIAGRAM >

## OPTION HARNESS

Wiring Diagram

INFOID:000000011773213

### OPTION HARNESS (FOR FRONT FOG)



2014/09/22

JRMWG7024GB

# OPTION HARNESS

< WIRING DIAGRAM >

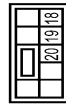
## OPTION HARNESS (FOR FRONT FOG)

Connector No.	E11
Connector Name	INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	M06FB-LC



Terminal No.	Color Of Wire	Signal Name [Specification]
9	B/Y	-
14	R	-

Connector No.	E12
Connector Name	INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	NS08FBR-CS



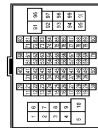
Terminal No.	Color Of Wire	Signal Name [Specification]
18	GR	-
19	R	- [Without front fog lamp]
19	W	- [With front fog lamp]
20	G	- [Without front fog lamp]
20	V	- [With front fog lamp]

Connector No.	E13
Connector Name	INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	T112FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
23	SB	-
25	GR	-
27	L	-
28	V	-
30	Y	-
31	Y	-
32	R	-
33	G	-
34	L	-

Connector No.	E105
Connector Name	WIRE TO WIRE
Connector Type	T180MM-CS16-TM4



Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	-
4	Y	-
6	R	-
11	W	-
12	B	-
13	R	-
14	SHIELD	-
34	BE	-

Connector No.	E114
Connector Name	FRONT FOG LAMP LH
Connector Type	FHZ02FB



Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
2	B	-

Connector No.	E115
Connector Name	FRONT FOG LAMP RH
Connector Type	FHZ02FB



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	B	-

35	R	-
36	R	-
37	B	-
38	R	-
39	BR	-
40	V	-
41	BE	-
42	G	-
43	Y	-
44	Y	-
45	V	-
46	LG	-
47	R	-
48	R	-
49	BE	-
50	GR	-
51	GR	-
52	LG	-
53	V	-
54	V	-
55	BE	-
56	G	-
57	Y	-
58	Y	-
59	Y	-
60	Y	-
61	V	-
62	V	-
63	V	-
64	LG	-
65	L	-
66	R	-
67	BE	-
68	BE	-
69	BE	-
70	SHIELD	-
71	L	-
72	V	-
73	L	-
74	L	-
75	R	-
76	R	-
77	B	-
78	B	-
79	W	-
80	L	-
81	L	-
82	Y	-
83	Y	-
84	LG	-
85	P	-
86	BE	-
87	BE	-
88	BE	-
89	BE	-
90	SHIELD	-
91	B	-
92	B	-
93	BR	-
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97	GR	-
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# OPTION HARNESS

< WIRING DIAGRAM >

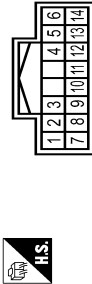
## OPTION HARNESS (FOR FRONT FOG)

Connector No.	M14
Connector Name	DATA LINK CONNECTOR
Connector Type	BD16FW



Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
2	B	-
3	D	-
4	W	-
5	W	-
6	LG	-
7	P	-
8	Y	-
9	Y	-
10	Y	-
11	Y	-
12	Y	-
13	Y	-
14	Y	-
15	Y	-
16	Y	-

Connector No.	M27
Connector Name	COMBINATION SWITCH
Connector Type	TH16FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	LG	WASHER (RR)
2	GR	OUTPUT 4
3	R	WASHER (FR)
4	W	IGN
5	BR	OUTPUT 3
6	Y	OUTPUT 2
7	Y	OUTPUT 1
8	R	INPUT 2
9	R	INPUT 1
10	Y	INPUT 4
11	P	INPUT 1
12	W	OUTPUT 1
13	LG	INPUT 5

14	G	OUTPUT 2
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Connector No.	M14
Connector Name	COMBINATION METER
Connector Type	TH4DFW-NH



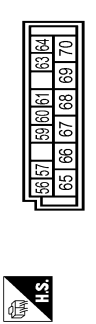
Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	CAN-H
2	P	CAN-L
3	Y	VEHICLE SPEED SIGNAL (6-PULSE)
4	Y	PADDLE SHIFTER UP SWITCH SIGNAL
5	G	FUEL LEVEL SENSOR SIGNAL
6	BR	AIR BAG SIGNAL
7	R	-
8	P	SEAT BELT BRUCKLE SWITCH SIGNAL (DRIVER SIDE)
9	W	PARKING BRAKE SWITCH SIGNAL
10	SB	ILLUMINATION CONTROL SIGNAL
11	G	ACC POWER SUPPLY SIGNAL
12	R	MANUAL MODE SHIFTER DOWN SIGNAL
13	GR	WASHER LEVEL SWITCH SIGNAL
14	W	SECURITY SIGNAL
15	L	AMBIENT SENSOR SIGNAL
16	W	AMBIENT SENSOR GROUND
17	G	GROUND
18	R	GROUND
19	GR	FUEL LEVEL SENSOR SIGNAL
20	R	FUEL LEVEL SENSOR GROUND
21	B	GROUND
22	B	GROUND
23	B	VDC GROUND
24	L	PADDLE SHIFTER DOWN SWITCH SIGNAL
25	B	BATTERY POWER SUPPLY
26	LG	PASSENGER SEAT BELT WARNING SIGNAL
27	GR	NON-MANUAL MODE SIGNAL
28	Y	ALTERNATOR SIGNAL
29	P	NON-MANUAL MODE SIGNAL
30	P	ALTERNATOR SIGNAL

Connector No.	M68
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FB-NH



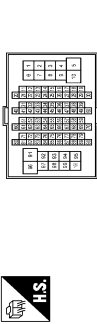
Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	COMB SW INPUT 5
2	P	COMB SW INPUT 4
3	BR	COMB SW INPUT 3
4	BR	COMB SW INPUT 2
5	G	COMB SW INPUT 1
6	W	KEY CYL UNLOCK SW
7	L	KEY CYL LOCK SW
8	R	STOP LAMP SW 1
9	R	-
10	W	DOOR LK & UNLK SW LOCK
11	GR	DOOR LK & UNLK SW UNLOCK
12	BR	OPTICAL SENS
13	W	REAR WINDOW DEF SW
14	SS	OPTICAL SENS
15	W	OPTICAL SENS PWR SPLY
16	Y	NATS ANT AMP
17	Y	NATS ANT AMP
18	P	SECURITY INCLAMP CONT
19	P	DONGLE LINK
20	SS	NATS ANT AMP
21	SS	THEMO AMP
22	BR	A/C SW
23	Y	BLOWER FAN SW
24	LG	HAZARD SW
25	SS	BK DOOR OPENER SW
26	L	DR DOOR UNLK SW
27	GR	COMBI SW OUTPUT 5
28	LG	COMBI SW OUTPUT 4
29	Y	COMBI SW OUTPUT 3
30	Y	COMBI SW OUTPUT 2
31	Y	DEFEST SW
32	P	RECEIVER COMM
33	SS	CAN-H
34	L	CAN-L
35	P	-
36	P	-
37	R	-
38	R	-
39	L	-
40	P	-

Connector No.	M69
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	FE409FW-FH46-SA



Terminal No.	Color Of Wire	Signal Name [Specification]
1	P	INT ROOM LAMP PWR SPLY
2	P	BAT LENSE
3	P	PASS DOOR UNLK OUTPUT
4	SS	TURN SIG LH OUTPUT
5	V	TURN SIG RH OUTPUT
6	V	INT ROOM LAMP CONT
7	W	REVERSE SW
8	BR	ALL DOOR LOCK OUTPUT
9	R	DOOR UNLOCK DR
10	SS	OND
11	B	PW PWR SPLY (IGN)
12	L	PW PWR SPLY (BAT)
13	P	BAT (7/1)
14	Y	-

Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS1E-TM4



Terminal No.	Color Of Wire	Signal Name [Specification]
1	V	-
2	V	-
3	V	-
4	V	-
5	V	-
6	P	-
7	P	-
8	P	-
9	R	-
10	R	-
11	R	-
12	LG	-
13	V	-

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# OPTION HARNESS

< WIRING DIAGRAM >

OPTION HARNESS (FOR FRONT FOG)

74	SHIELD	-
75	LG	-
76	SB	-
77	P	-
78	R	-
79	L	-
80	SB	-
81	P	-
82	LG	-
83	G	-
84	Y	-
85	W	-
86	G	-
87	GR	-
88	V	-
89	R	-
90	V	-
91	R	-
92	GR	-
93	G	-
94	W	-
95	LG	-
96	V	-
97	LG	-
98	P	-
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103	GR	-
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105	R	-
106	LG	-

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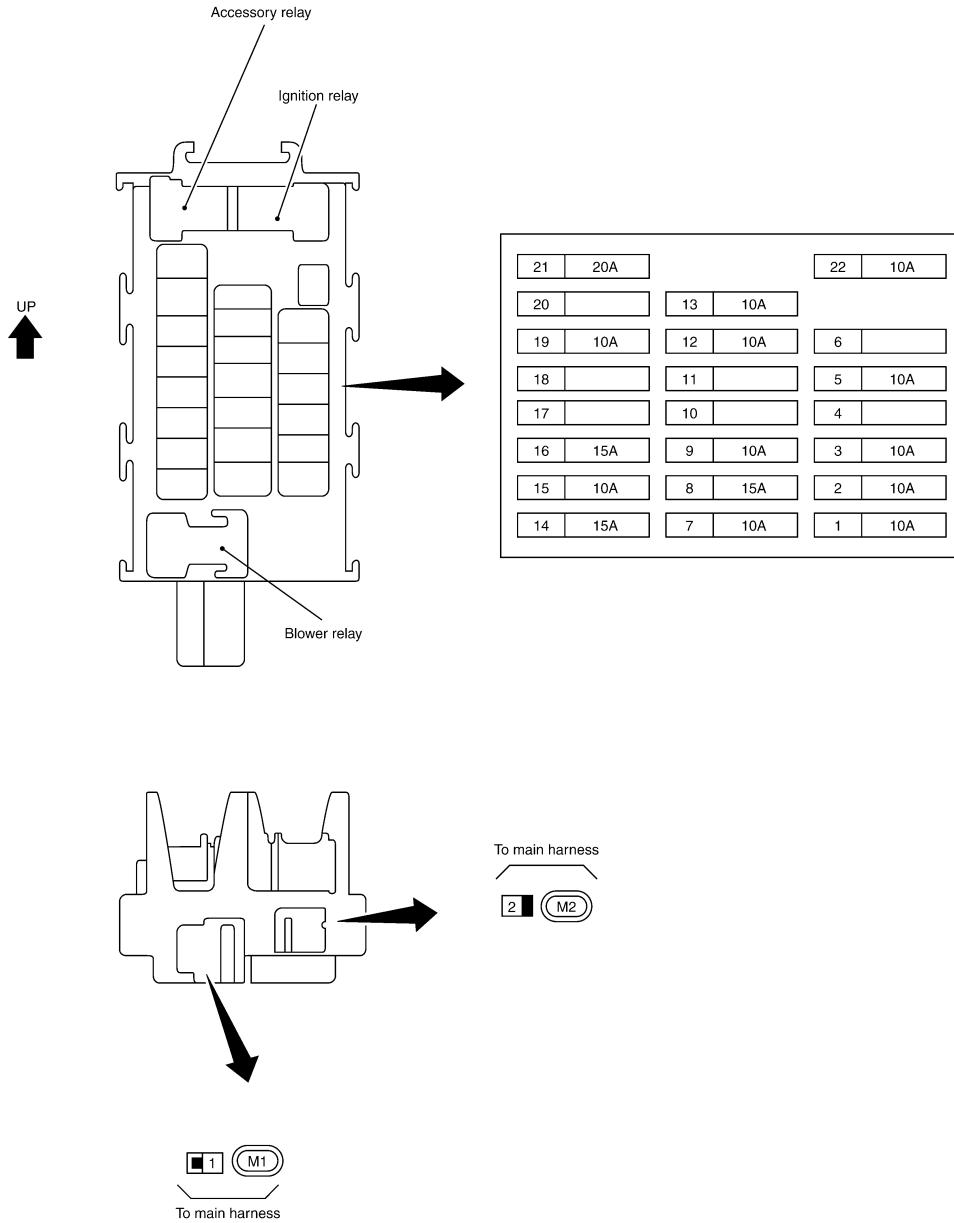
# FUSE BLOCK - JUNCTION BOX (J/B)

< WIRING DIAGRAM >

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

Fuse, Connector and Terminal Arrangement

INFOID:000000011462006



2014/09/22

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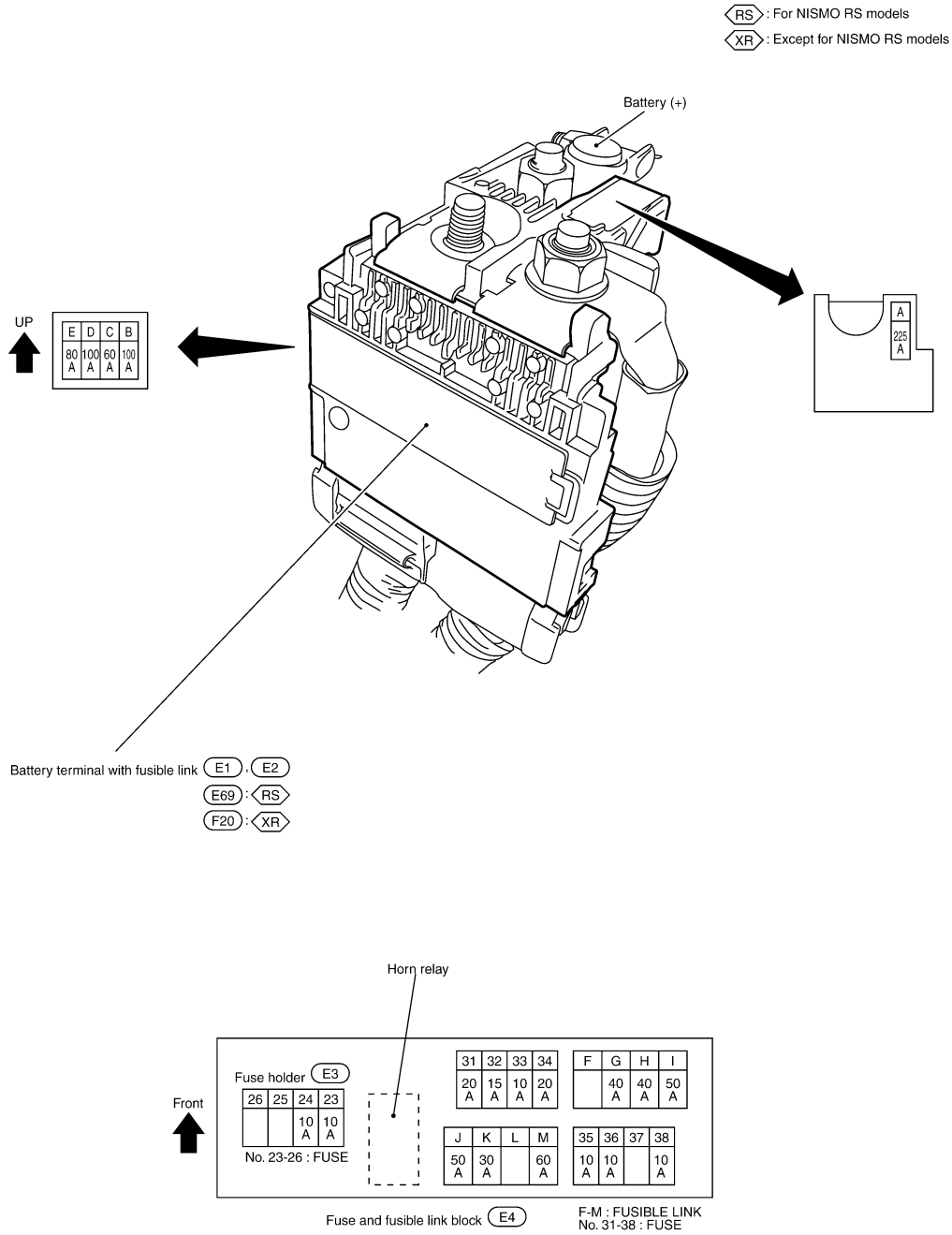
# FUSE, FUSIBLE LINK AND RELAY BOX

< WIRING DIAGRAM >

## FUSE, FUSIBLE LINK AND RELAY BOX

### Fuse and Fusible Link Arrangement

INFOID:000000011462007



2014/09/22

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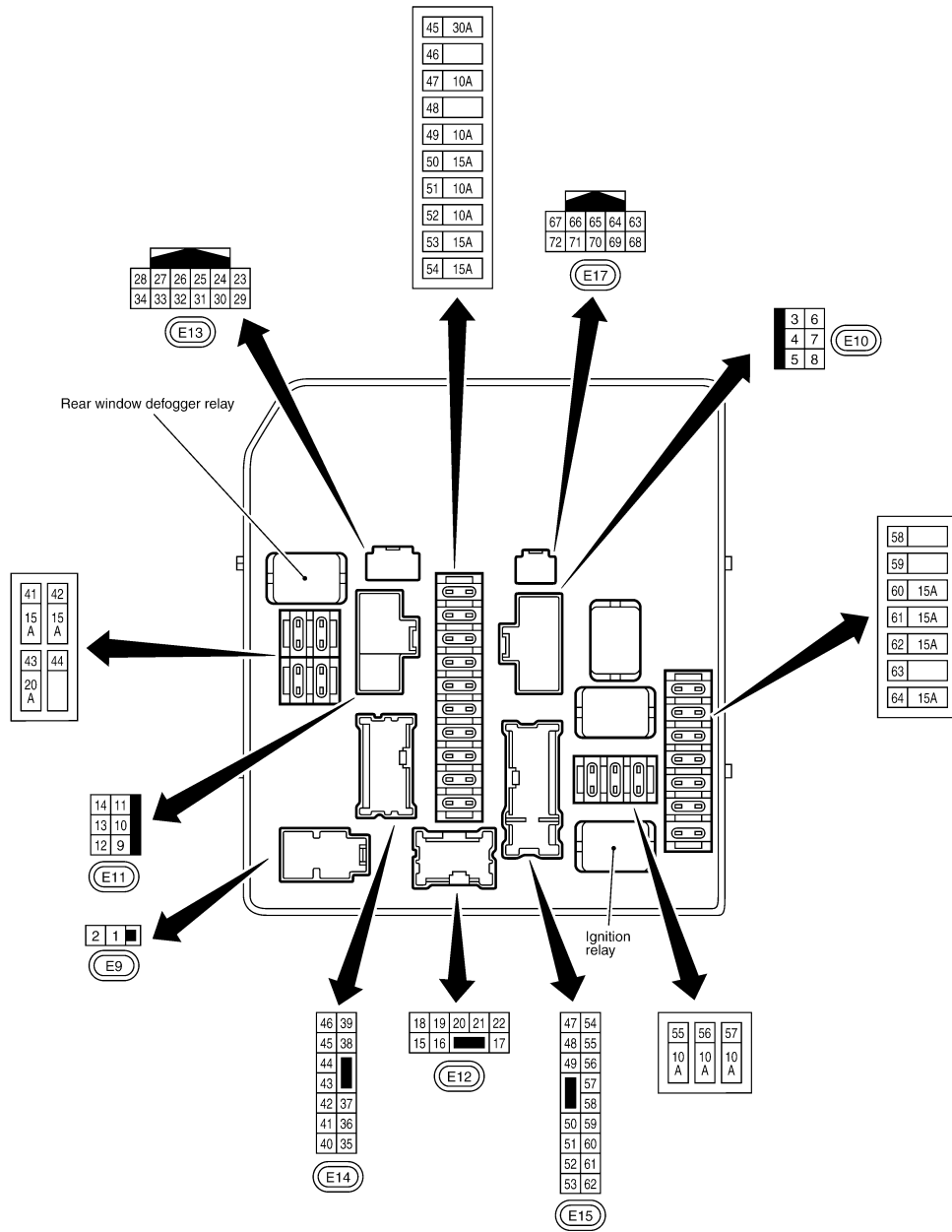
# IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)

< WIRING DIAGRAM >

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

### Fuse, Connector and Terminal Arrangement

INFOID:000000011462008



To engine room harness

2013/10/01

JRMWE7961GB



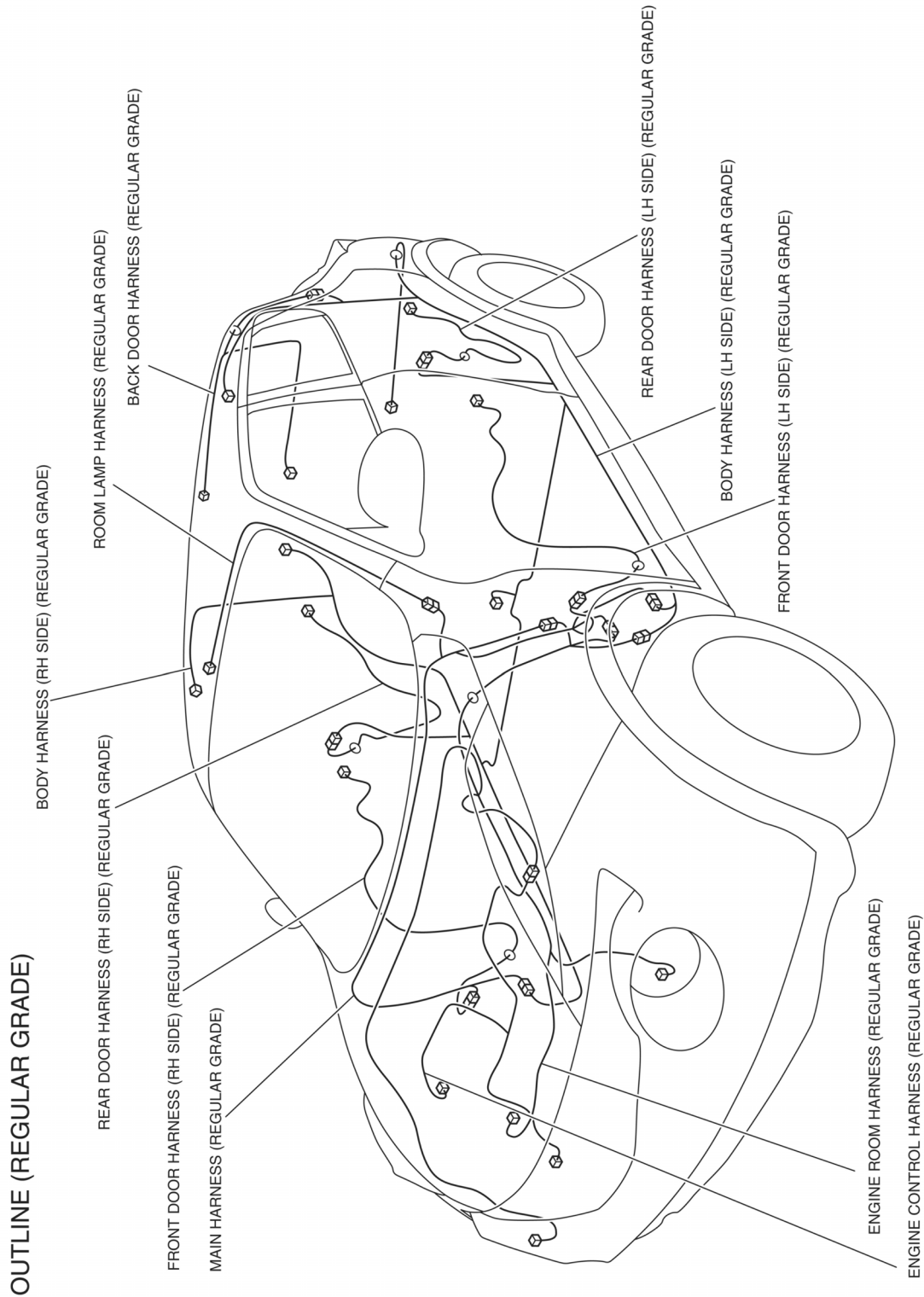
# HARNESS LAYOUT

< WIRING DIAGRAM >

## HARNESS LAYOUT REGULAR GRADE

REGULAR GRADE : Outline

INFOID:000000011462009



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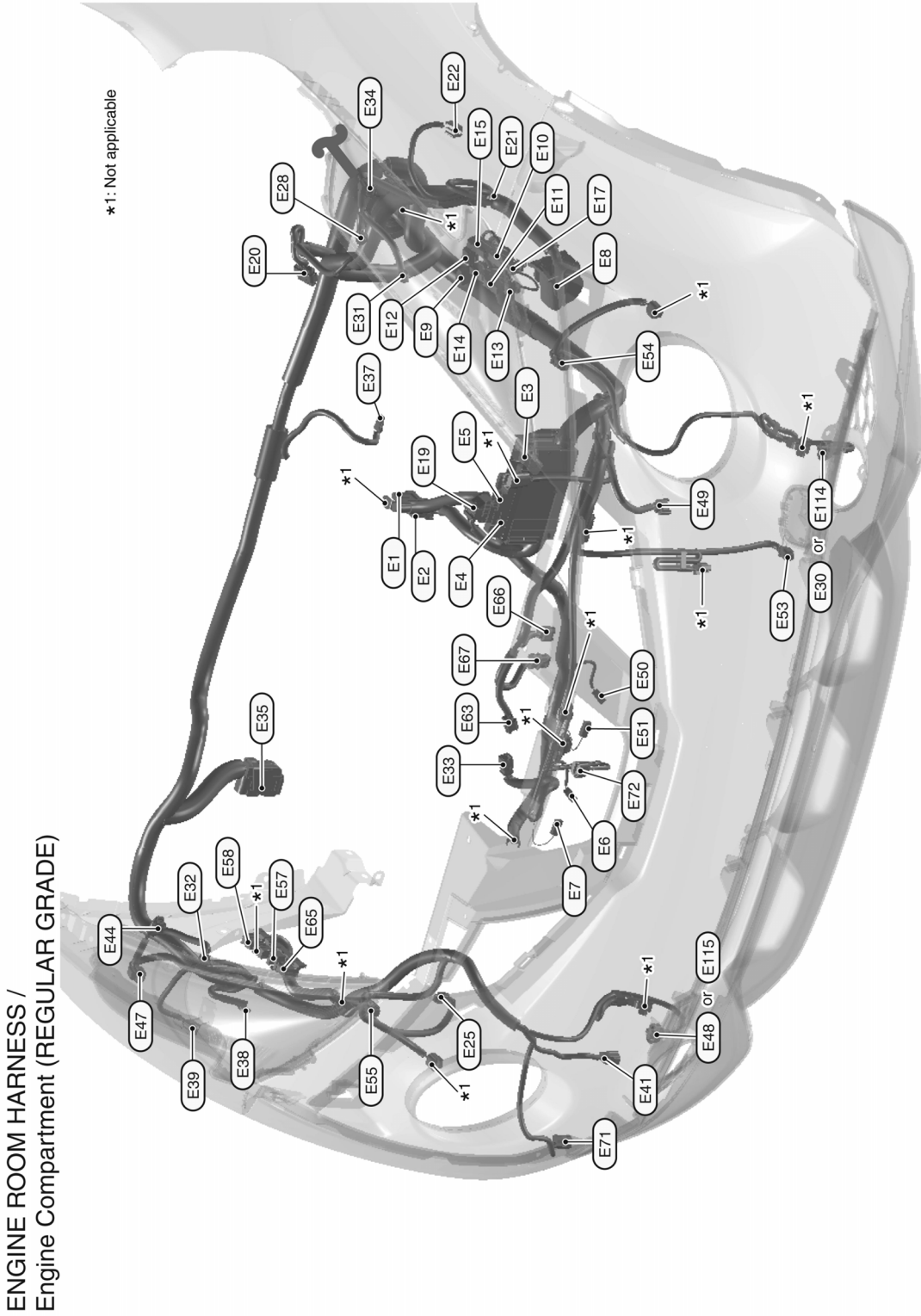
# HARNES LAYOUT

< WIRING DIAGRAM >

REGULAR GRADE : Engine Room Harness

INFOID:000000011462010

ENGINE COMPARTMENT



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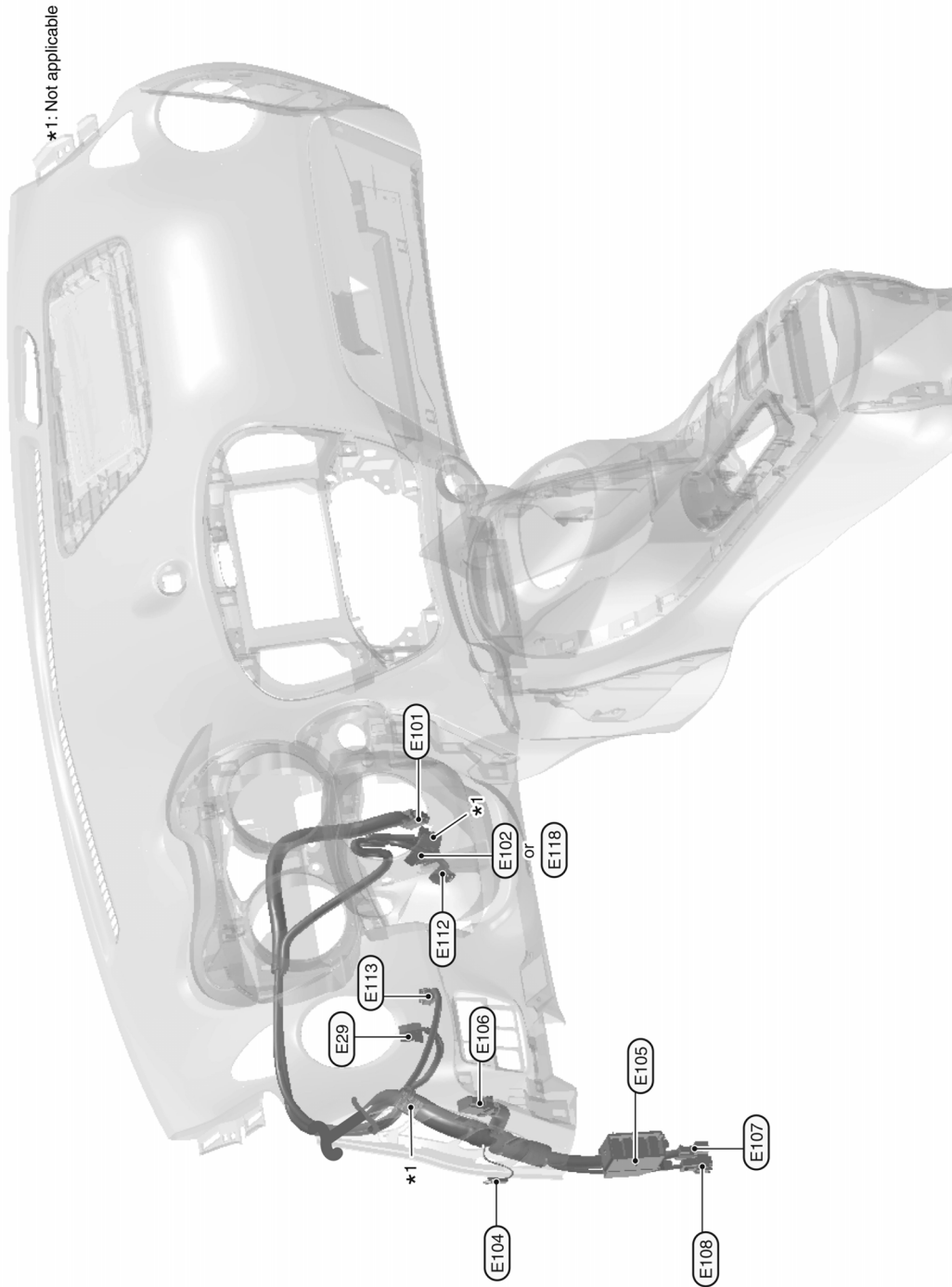
JRMIC5409GB

# HARNESS LAYOUT

< WIRING DIAGRAM >

PASSENGER COMPARTMENT

Passenger Compartment (REGULAR GRADE)



\*1: Not applicable

\*1

E101

E102

or E118

E112

E113

E29

E106

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E107

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E104

\*1

2014/09/22

JRMIC5410GB

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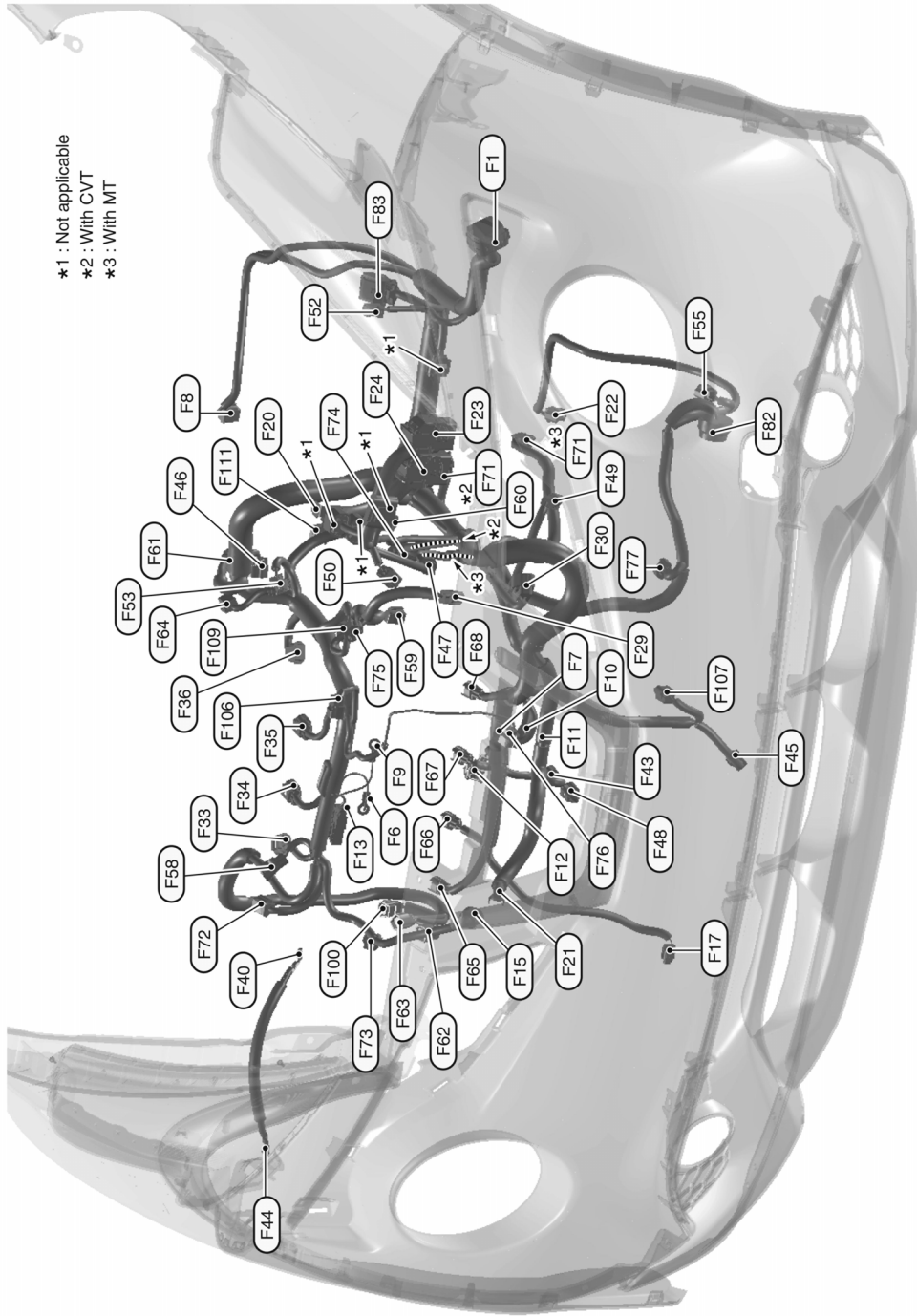
# HARNES LAYOUT

< WIRING DIAGRAM >

REGULAR GRADE : Engine Control Harness

INFOID:000000011462011

ENGINE CONTROL HARNESS (REGULAR GRADE)



- \*1 : Not applicable
- \*2 : With CVT
- \*3 : With MT

2014/09/22

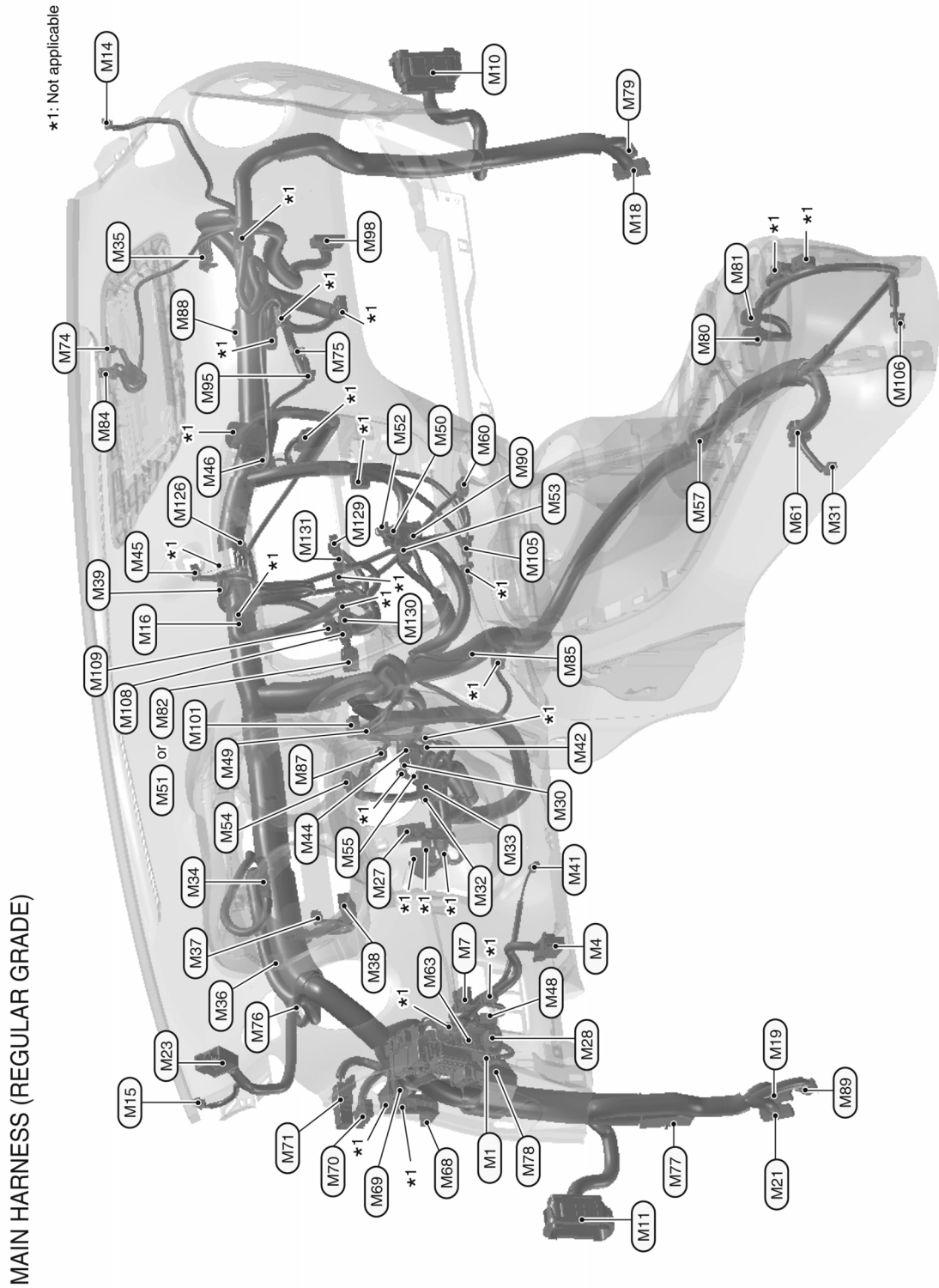
JRMIC5411GB

# HARNESS LAYOUT

< WIRING DIAGRAM >

## REGULAR GRADE : Main Harness

INFOID:000000011462012



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# HARNES LAYOUT

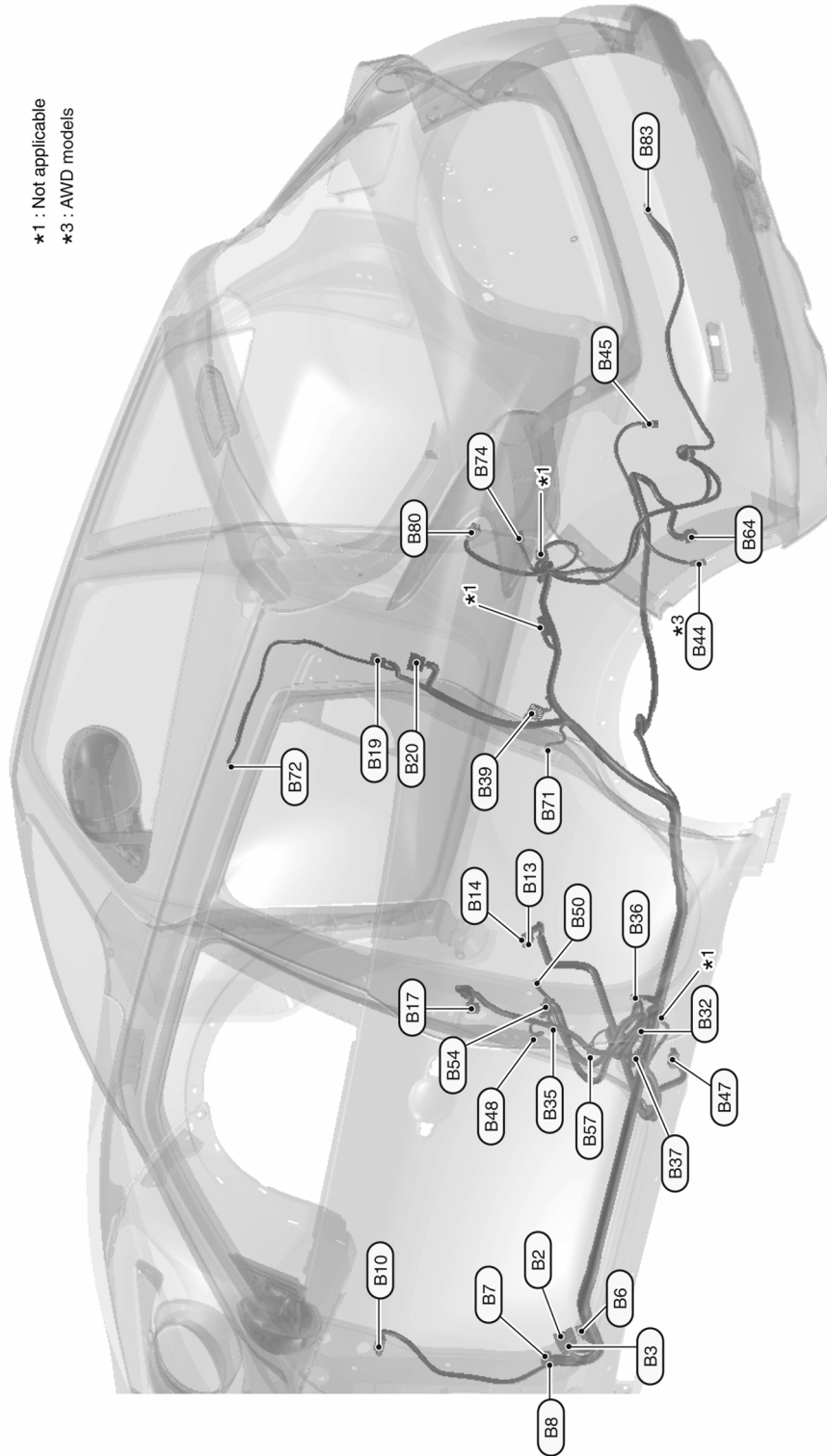
< WIRING DIAGRAM >

REGULAR GRADE : Body Harness

INFOID:000000011462013

LH SIDE

BODY HARNESS (LH SIDE) (REGULAR GRADE)



\*1 : Not applicable  
\*3 : AWD models

2014/09/22

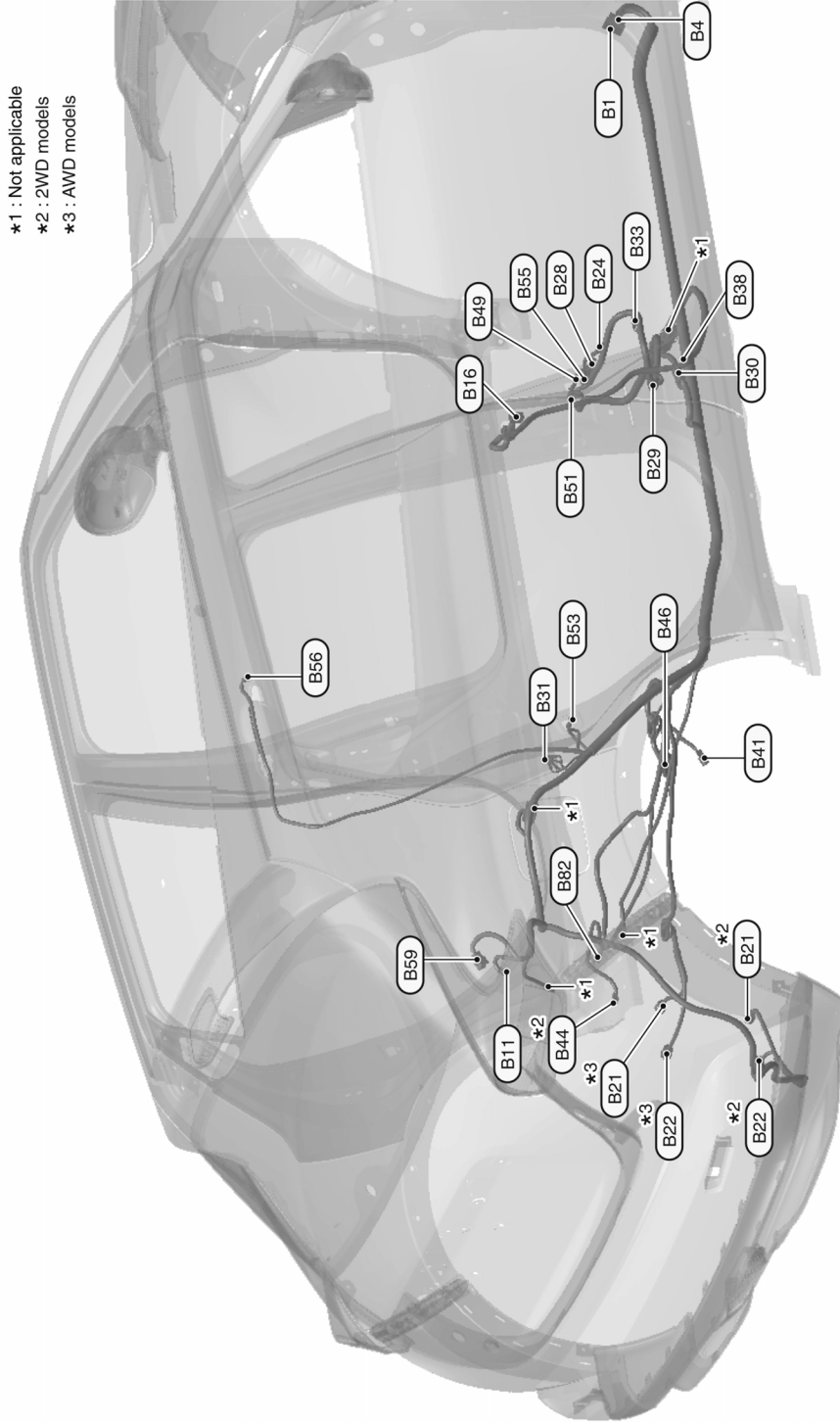
JRMIC5413GB

# HARNES LAYOUT

< WIRING DIAGRAM >

RH SIDE

BODY HARNESS (RH SIDE) (REGULAR GRADE)



- \*1 : Not applicable
- \*2 : 2WD models
- \*3 : AWD models

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JRMIC5414GB

# HARNESS LAYOUT

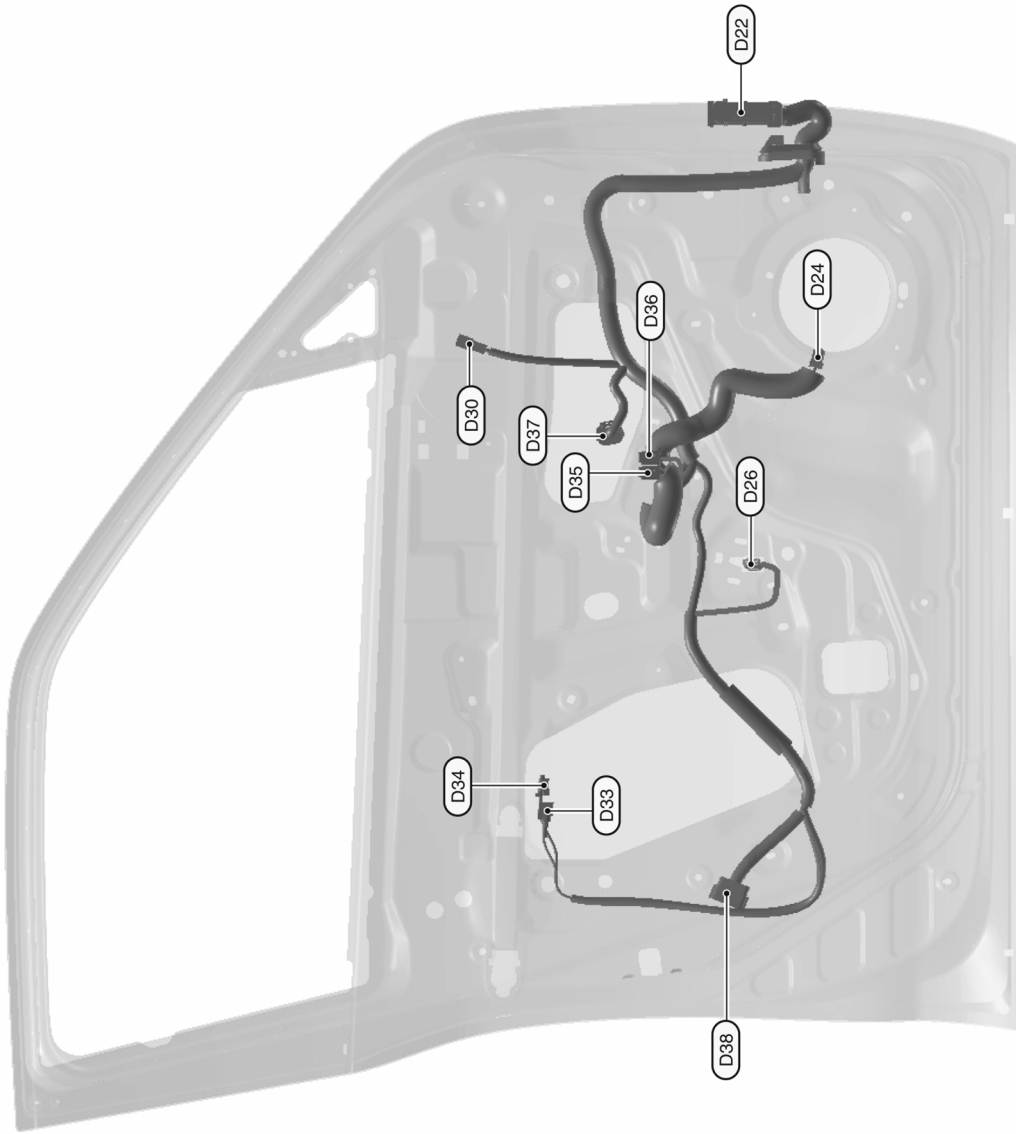
< WIRING DIAGRAM >

REGULAR GRADE : Door Harness

INFOID:000000011462014

FRONT DOOR HARNESS (LH SIDE)

FRONT DOOR HARNESS (LH SIDE) (REGULAR GRADE)



2014/09/22

JRMIC5415GB



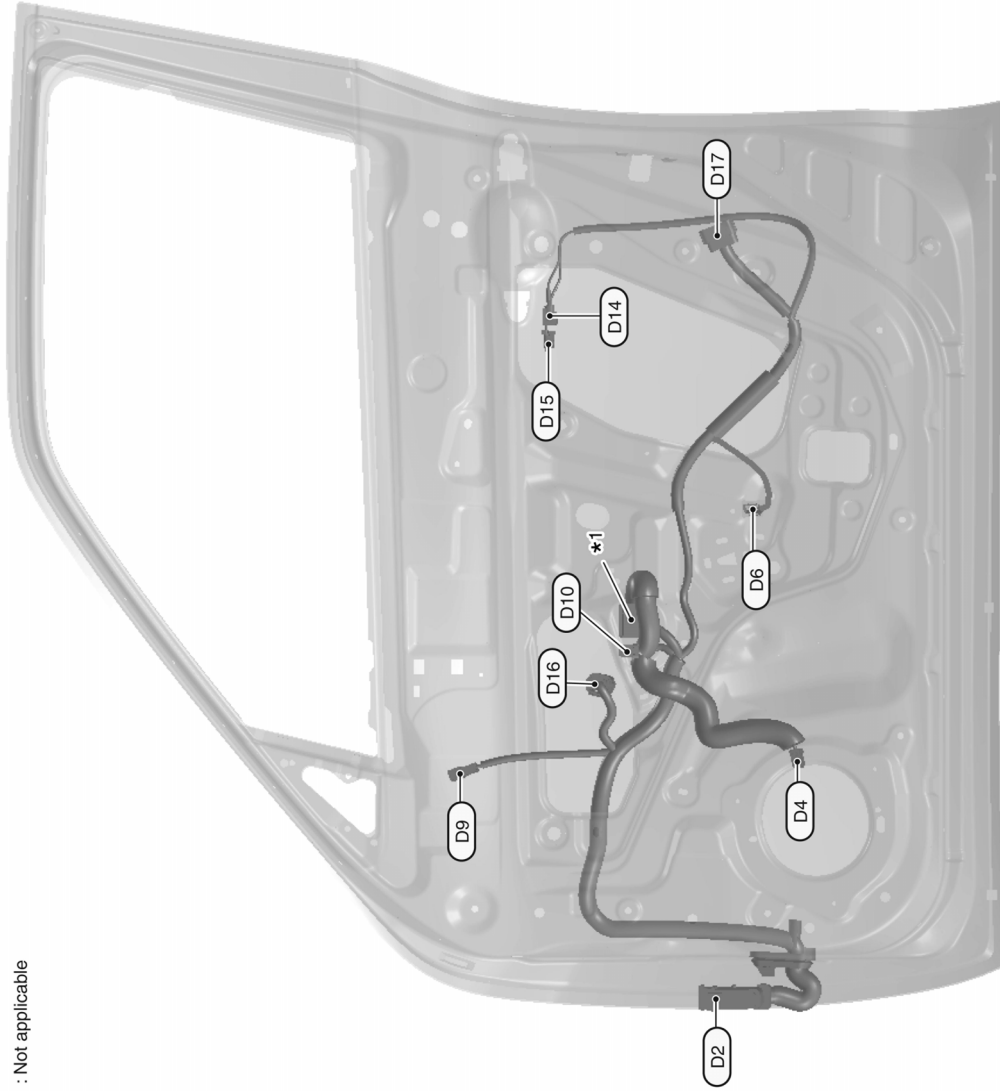
# HARNESS LAYOUT

< WIRING DIAGRAM >

## FRONT DOOR HARNESS (RH SIDE)

### FRONT DOOR HARNESS (RH SIDE) (REGULAR GRADE)

\*1 : Not applicable



2014/09/22

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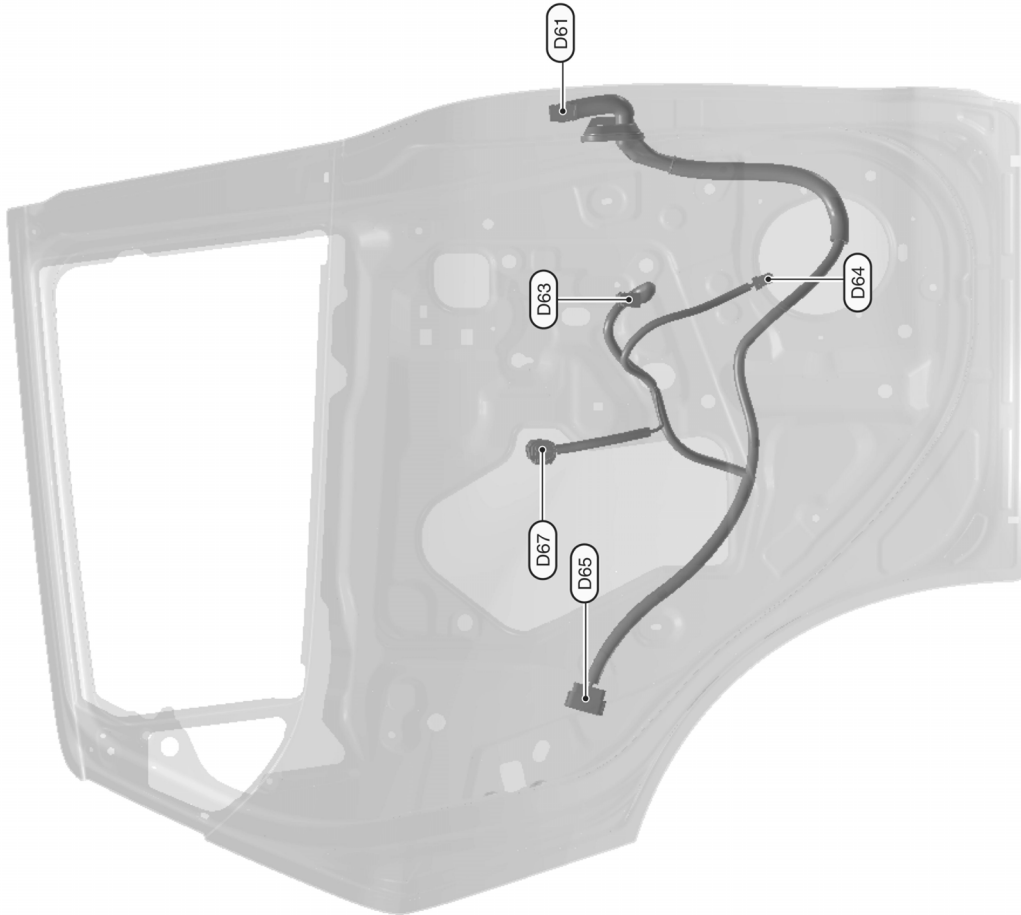
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# HARNES LAYOUT

< WIRING DIAGRAM >

REAR DOOR HARNESS (LH SIDE)

REAR DOOR HARNESS (LH SIDE) (REGULAR GRADE)



JRMIC3954GB

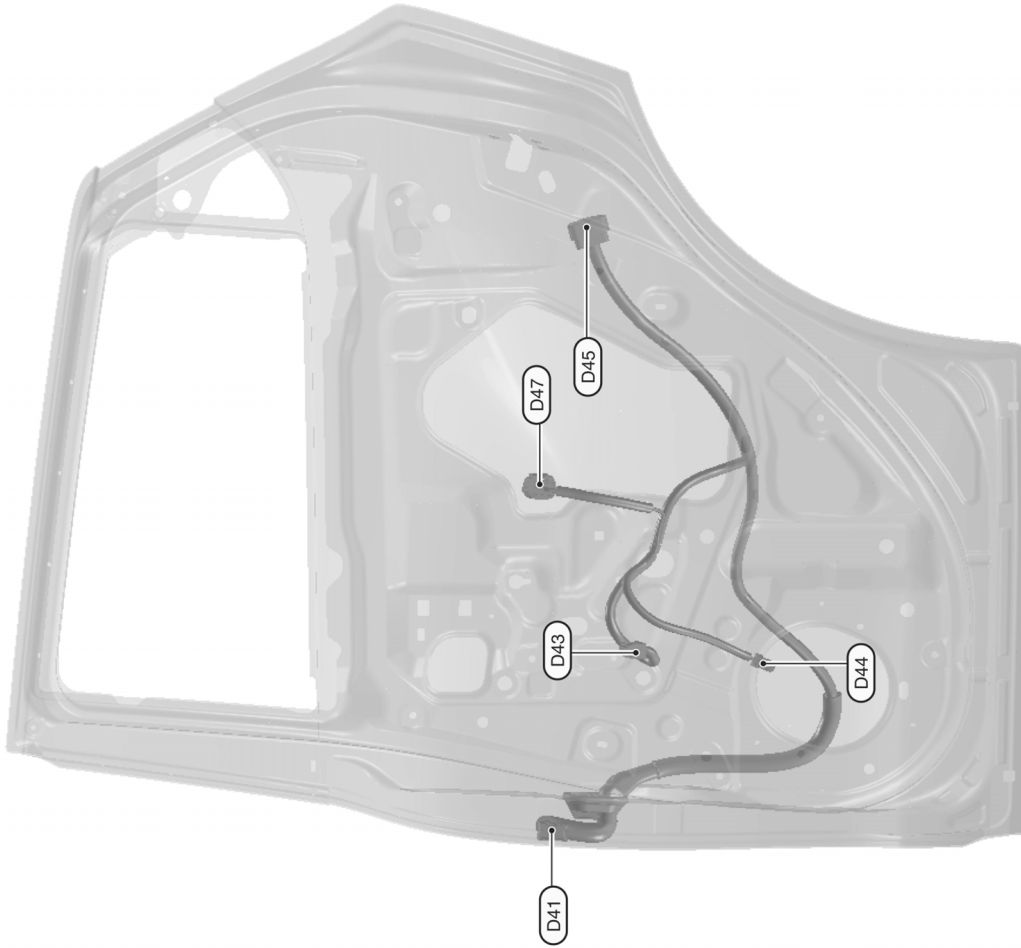
2013/10/01

# HARNES LAYOUT

< WIRING DIAGRAM >

REAR DOOR HARNESS (RH SIDE)

REAR DOOR HARNESS (RH SIDE) (REGULAR GRADE)



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2013/10/01

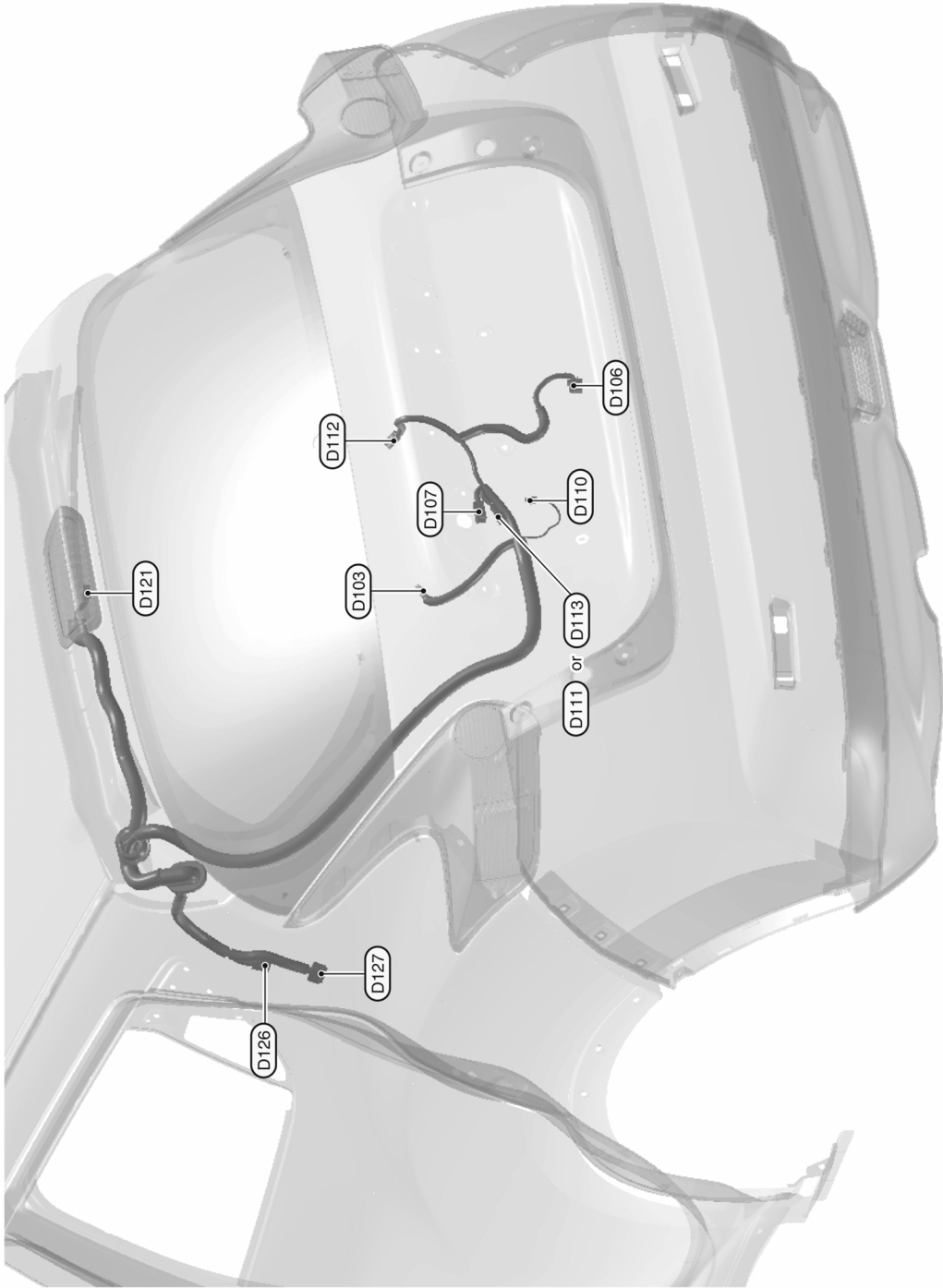
JRMIC3955GB

# HARNES LAYOUT

< WIRING DIAGRAM >

## BACK DOOR HARNES

BACK DOOR HARNES (REGULAR GRADE)



2014/09/22

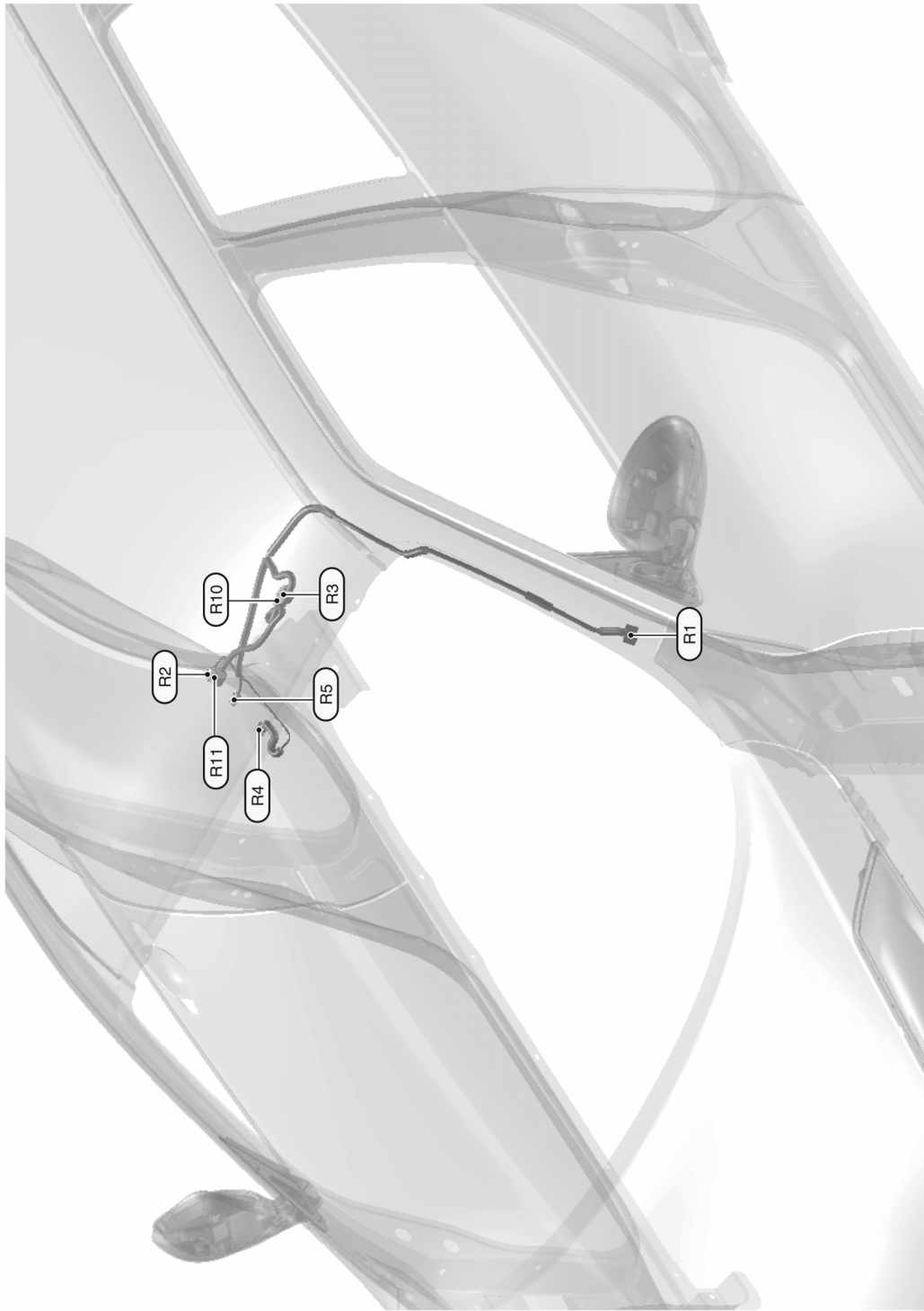
JRMIC5417GB

# HARNES LAYOUT

< WIRING DIAGRAM >

REGULAR GRADE : Room Lamp Harness

INFOID:000000011462015



ROOM LAMP HARNESS (REGULAR GRADE)

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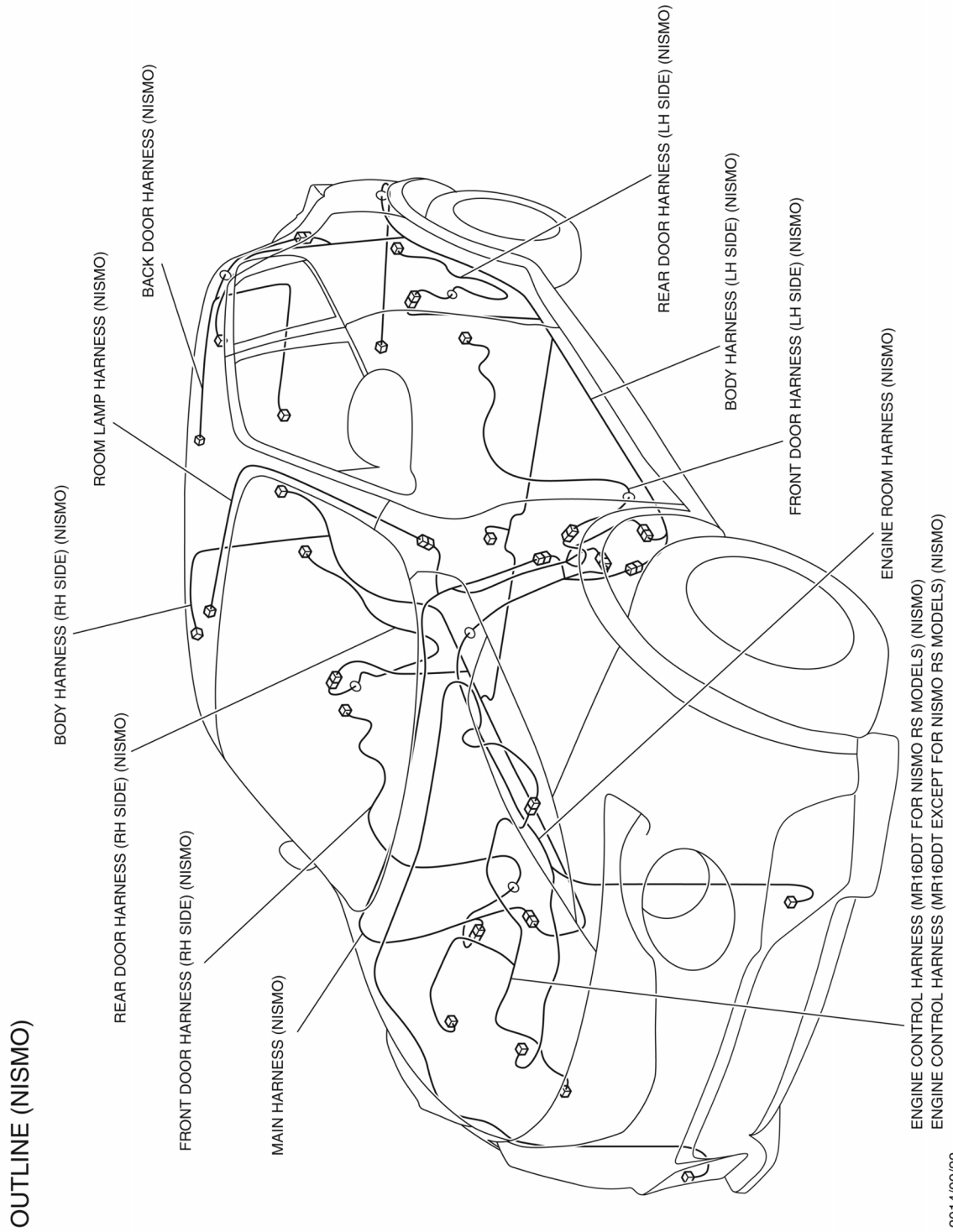
JRMIC5418GB

# HARNES LAYOUT

< WIRING DIAGRAM >

NISMO : Outline

INFOID:000000011462016



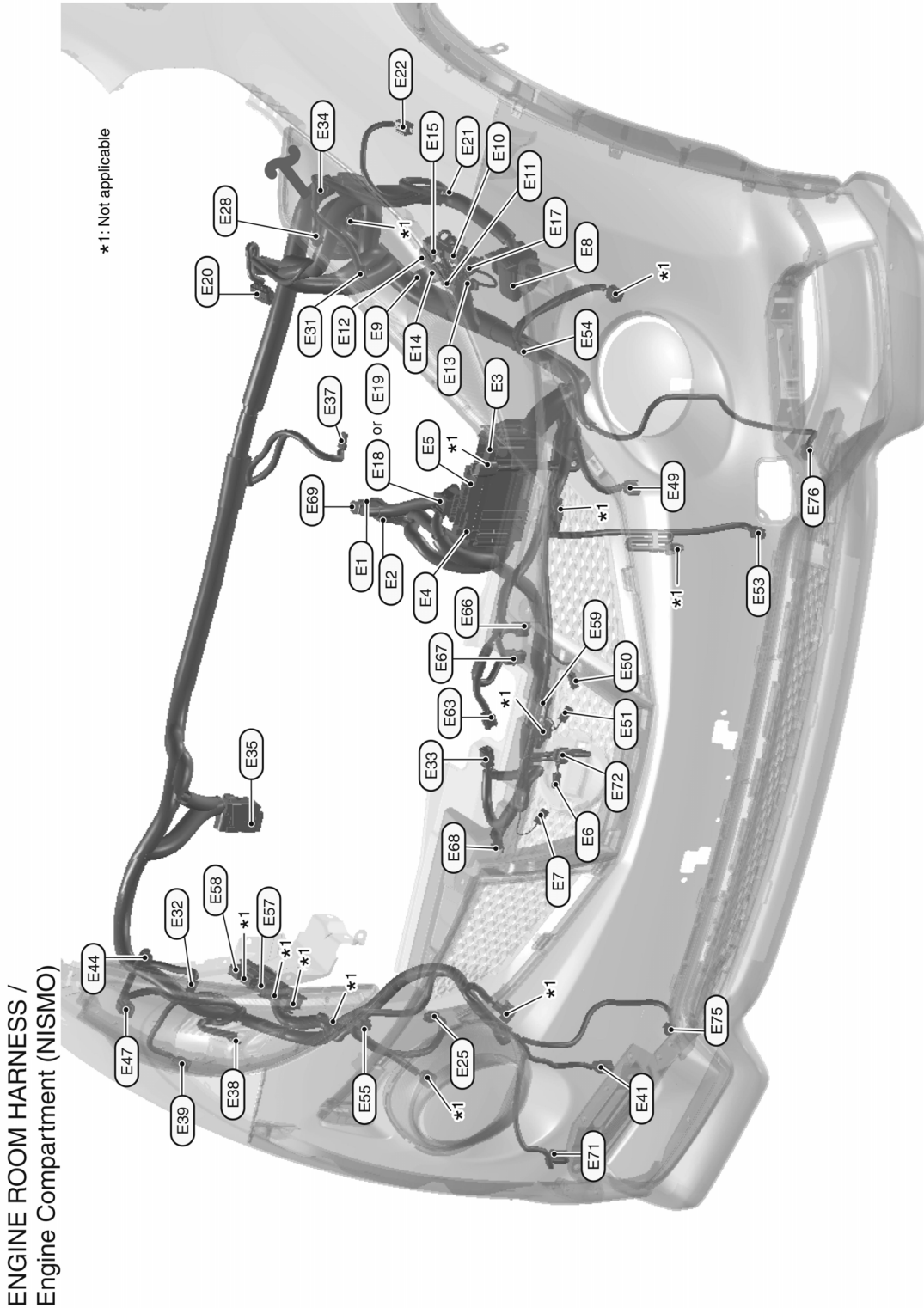
# HARNES LAYOUT

< WIRING DIAGRAM >

NISMO : Engine Room Harness

INFOID:000000011462017

ENGINE COMPARTMENT



2014/09/22

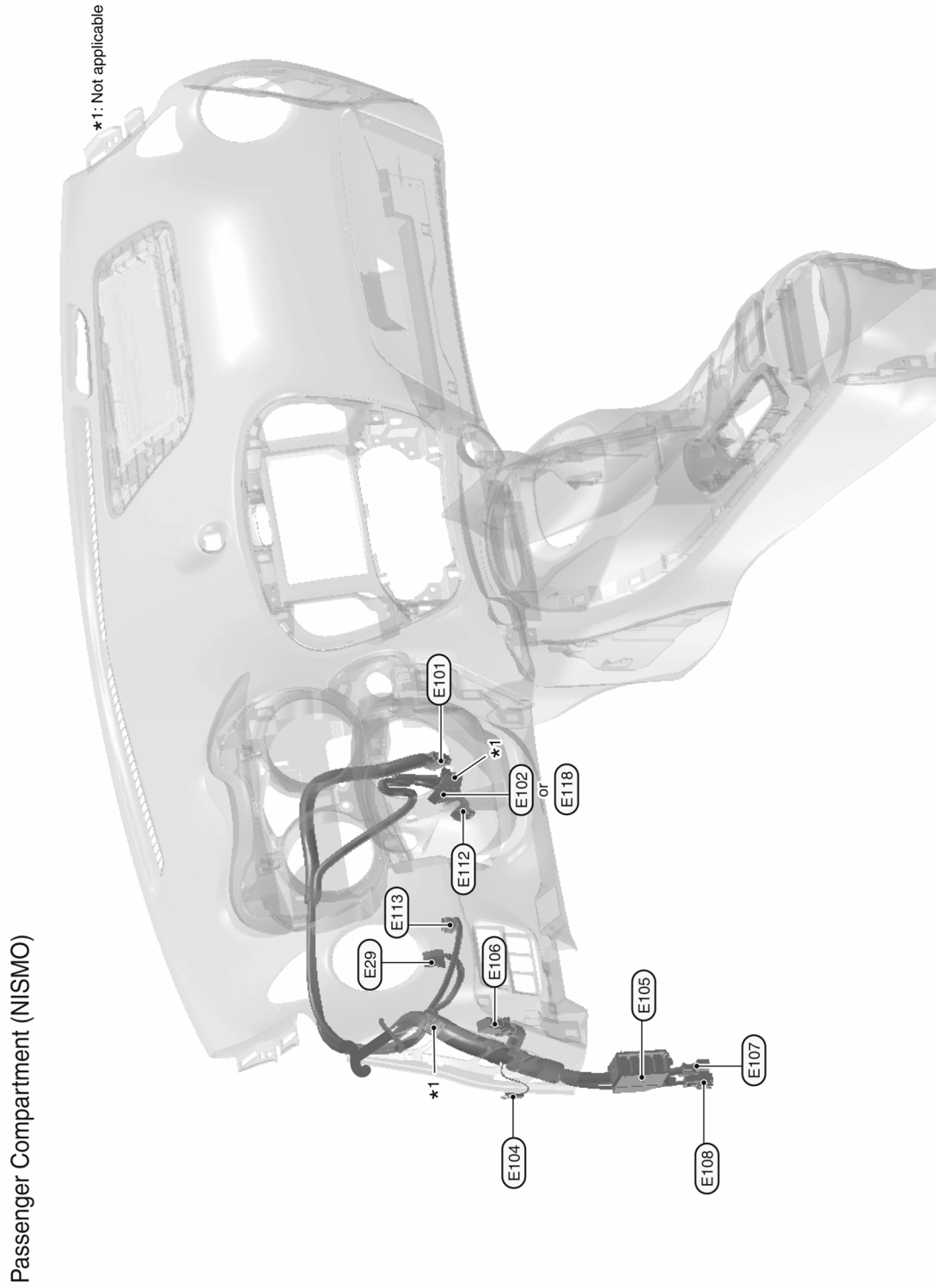
JRMIC5420GB

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# HARNESS LAYOUT

< WIRING DIAGRAM >

## PASSENGER COMPARTMENT



2014/09/22

JRMIC5421GB



# HARNES LAYOUT

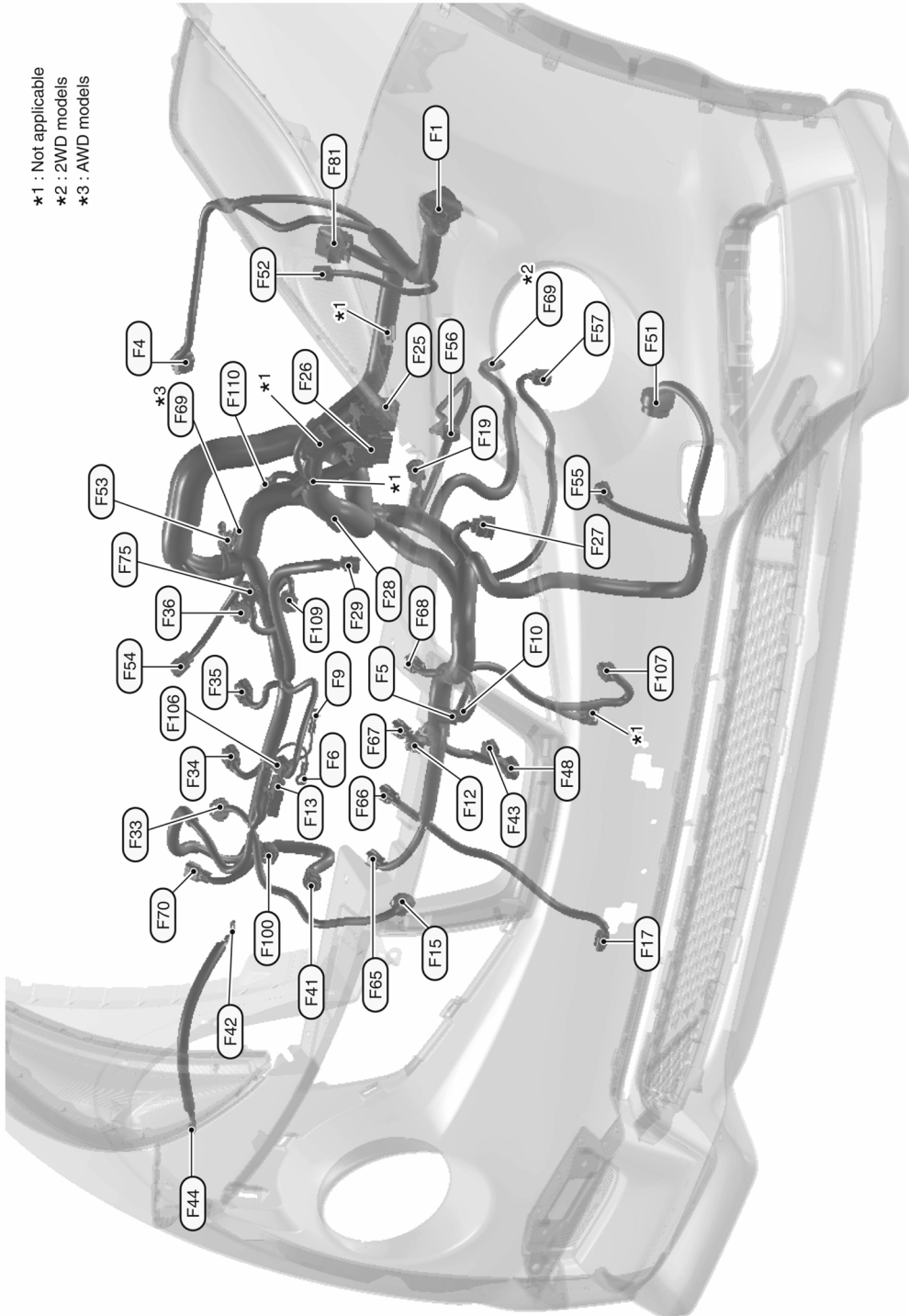
< WIRING DIAGRAM >

NISMO : Engine Control Harness

INFOID:000000011462018

MR16DDT FOR NISMO RS MODELS

ENGINE CONTROL HARNESS (MR16DDT FOR NISMO RS MODELS) (NISMO)



- \*1 : Not applicable
- \*2 : 2WD models
- \*3 : AWD models

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2014/09/22

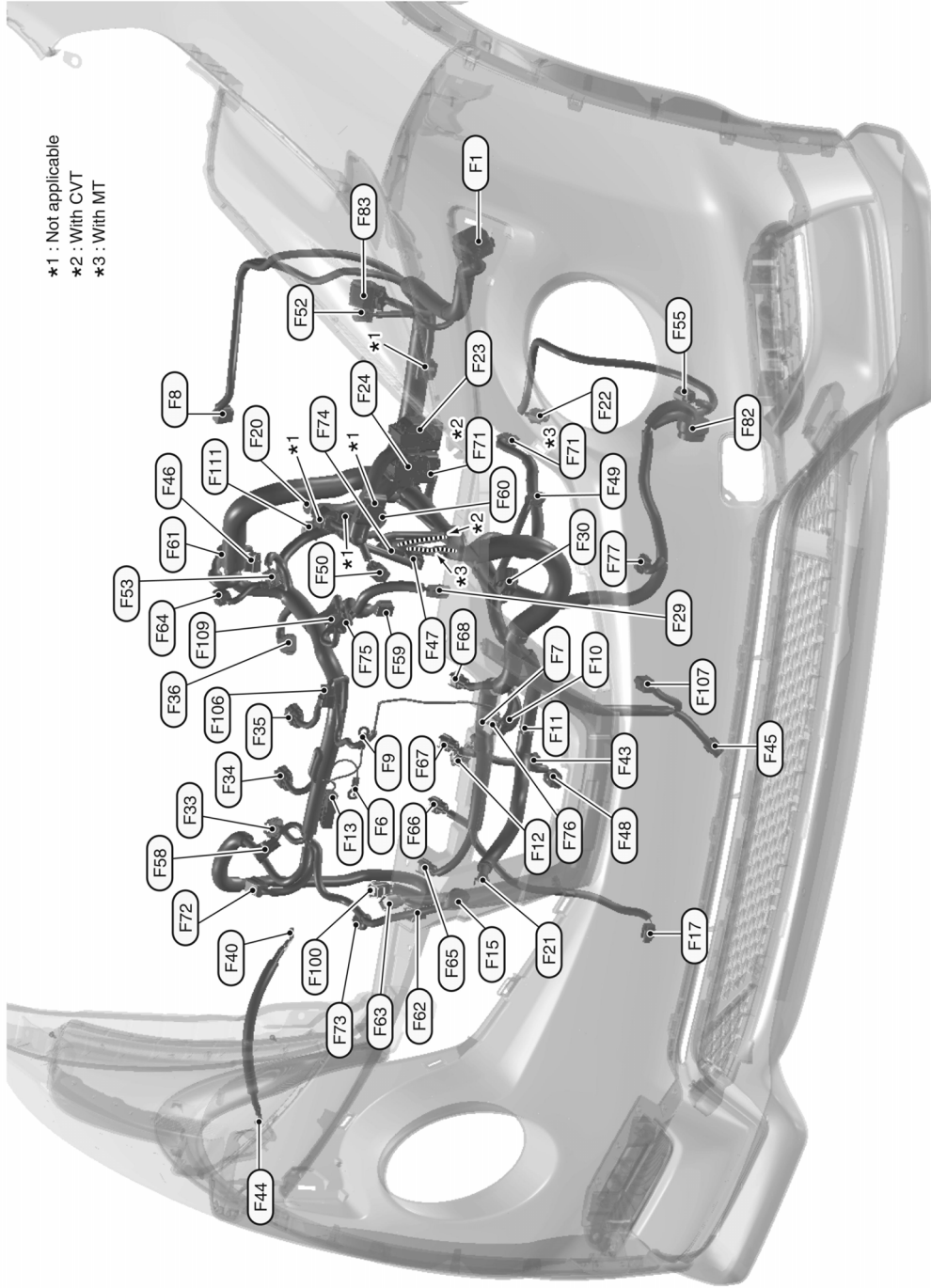
JRMIC5422GB

# HARNES LAYOUT

< WIRING DIAGRAM >

MR16DDT EXCEPT FOR NISMO RS MODELS

ENGINE CONTROL HARNESS (MR16DDT EXCEPT FOR NISMO RS MODELS) (NISMO)



- \*1 : Not applicable
- \*2 : With CVT
- \*3 : With MT

2014/09/22

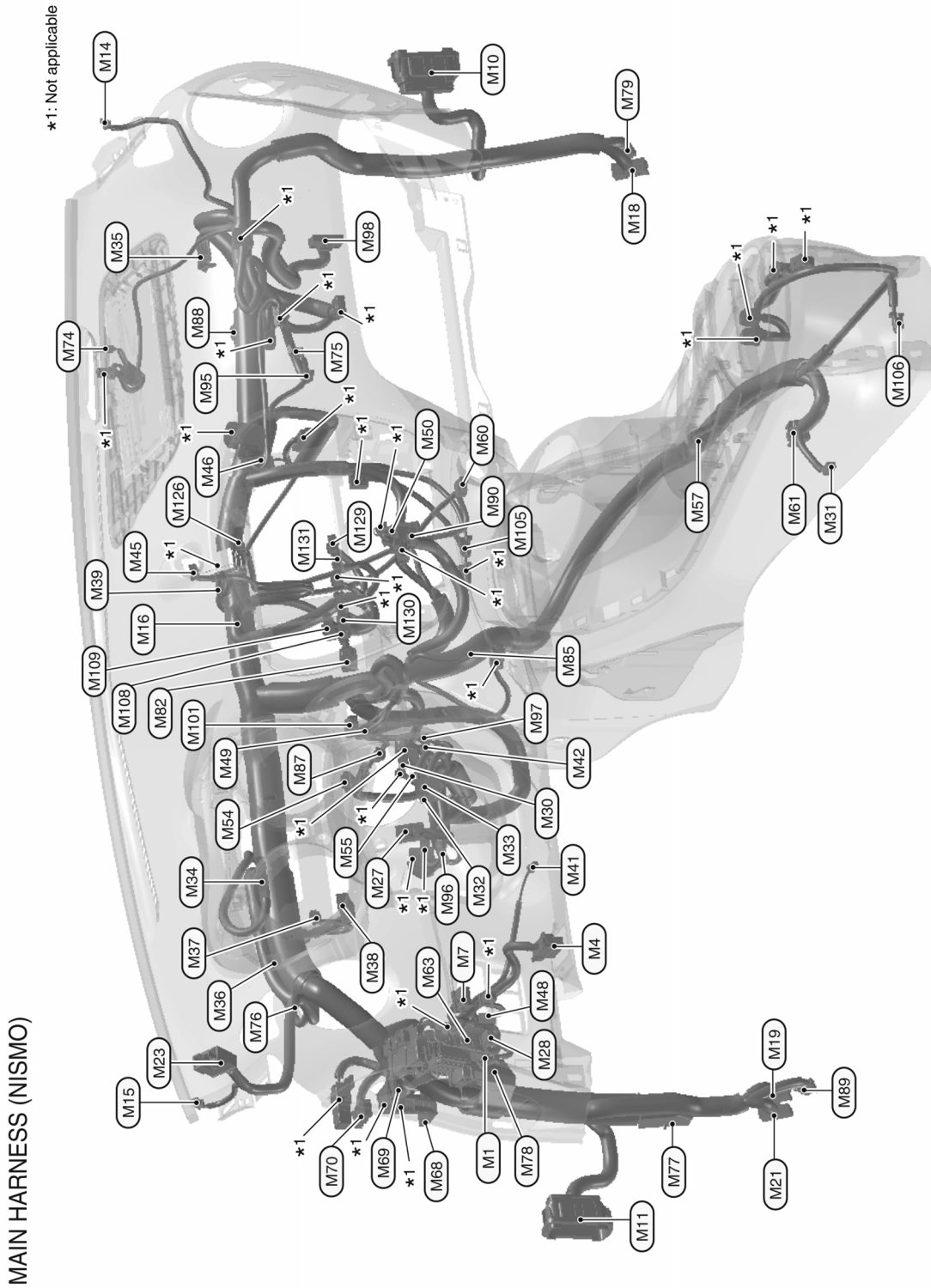
JRMIC5423GB

# HARNESS LAYOUT

< WIRING DIAGRAM >

## NISMO : Main Harness

INFOID:000000011462019



MAIN HARNESS (NISMO)

2014/09/22

JRMIC5424GB

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# HARNESS LAYOUT

< WIRING DIAGRAM >

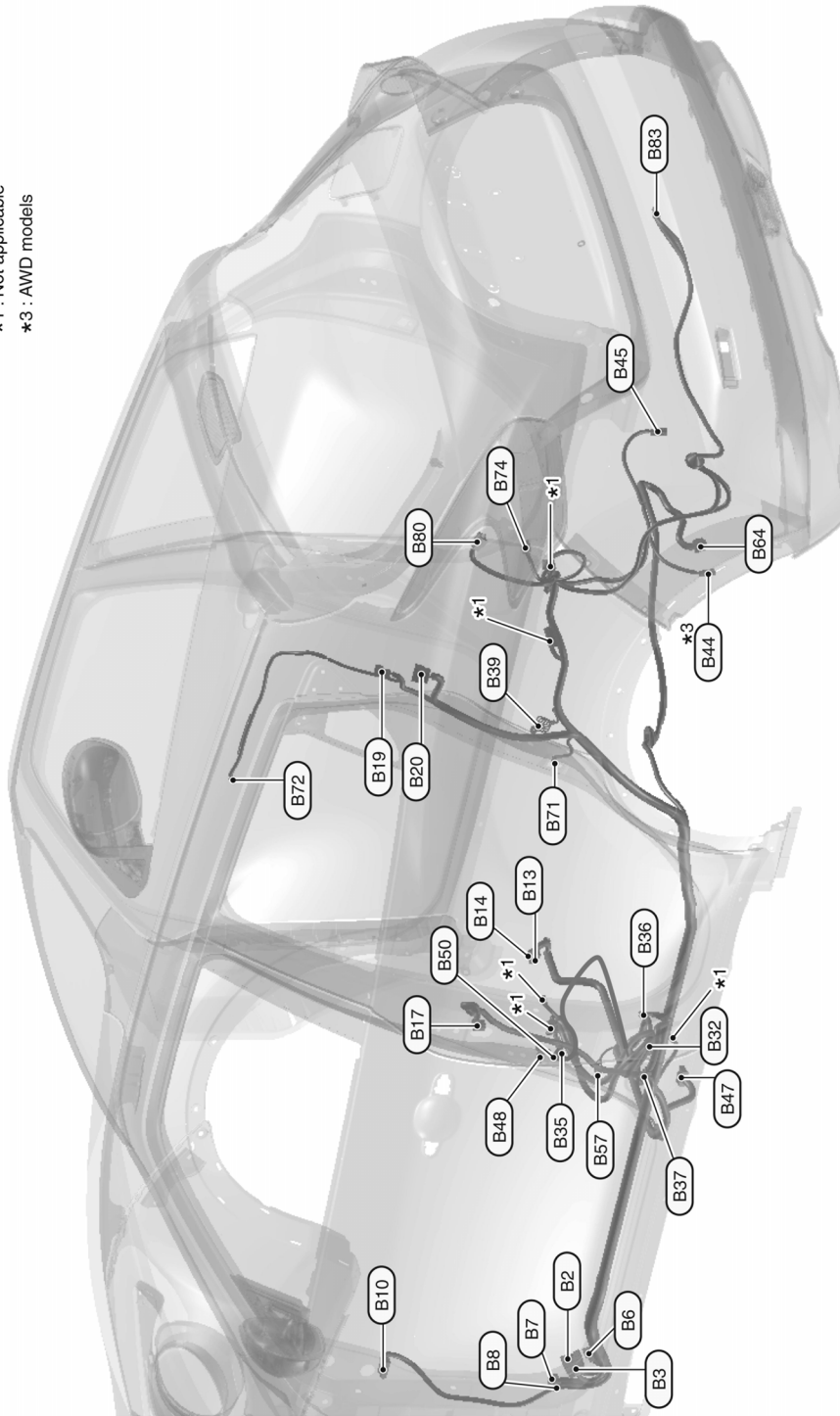
NISMO : Body Harness

INFOID:000000011462020

LH SIDE

BODY HARNESS (LH SIDE) (NISMO)

\*1 : Not applicable  
\*3 : AWD models



2014/09/22

JRMIC5425GB

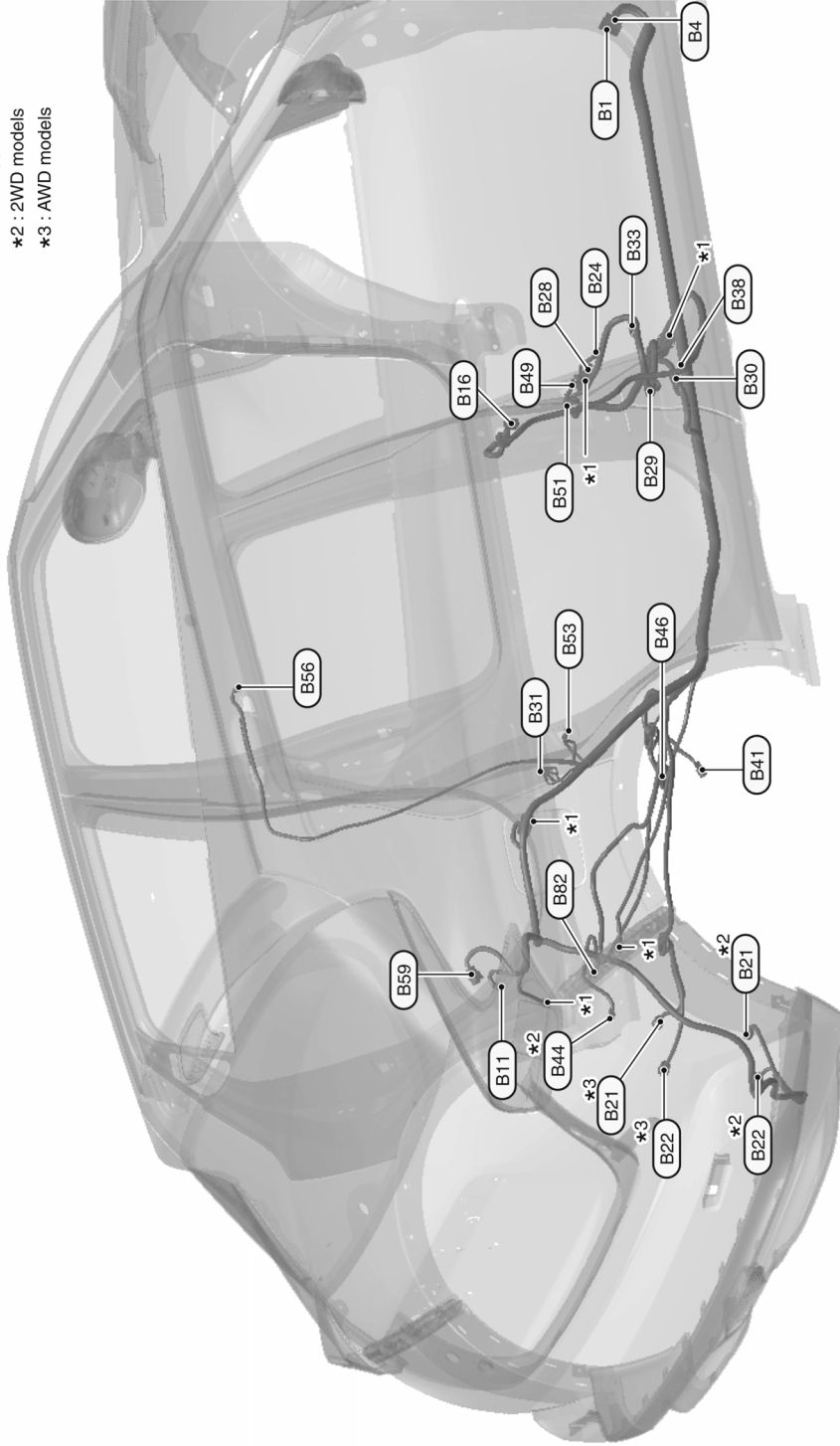
# HARNES LAYOUT

< WIRING DIAGRAM >

RH SIDE

BODY HARNES (RH SIDE) (NISMO)

- \*1 : Not applicable
- \*2 : 2WD models
- \*3 : AWD models



2014/09/22

JRMIC5426GB

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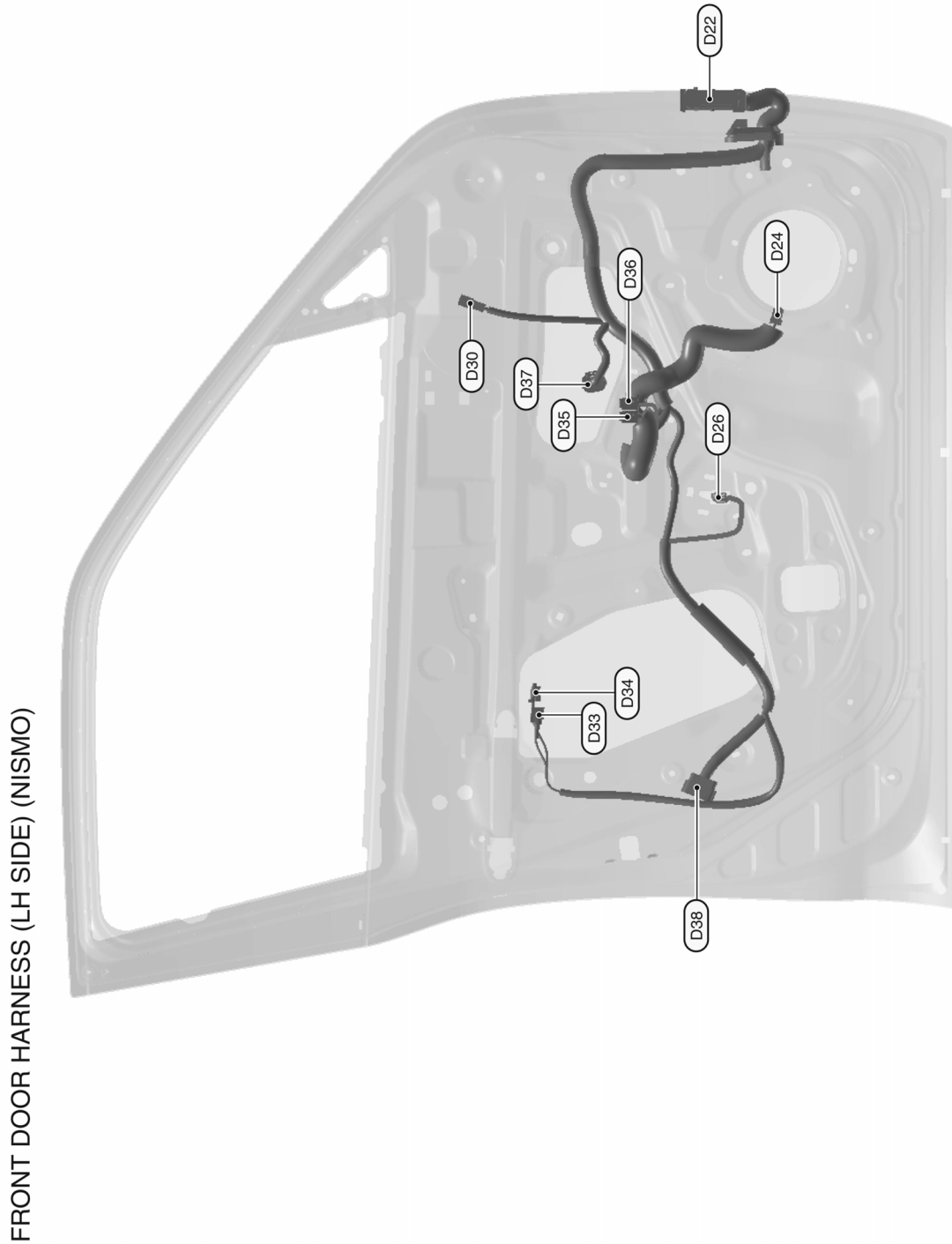
# HARNES LAYOUT

< WIRING DIAGRAM >

NISMO : Door Harness

INFOID:000000011462021

FRONT DOOR HARNESS (LH SIDE)



2014/09/22

JRMIC5427GB

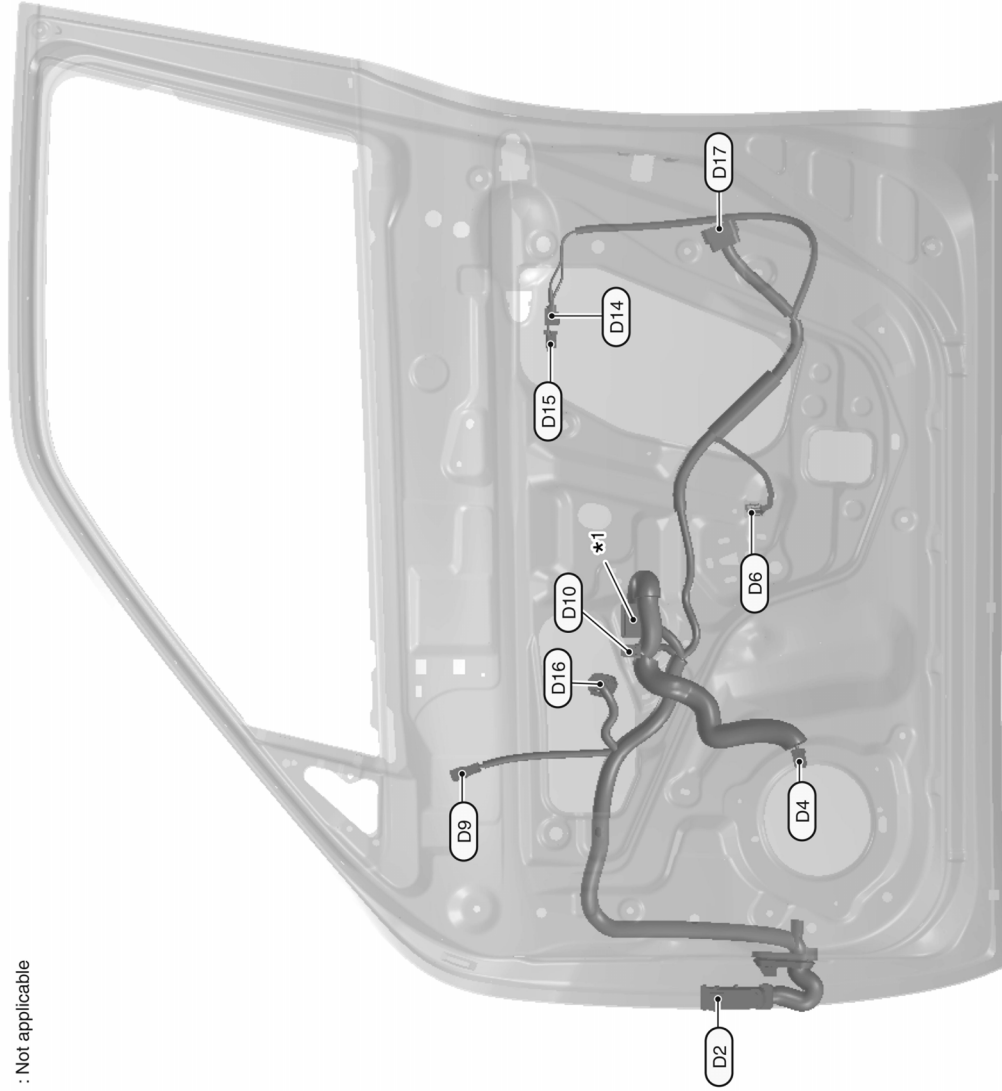
# HARNESS LAYOUT

< WIRING DIAGRAM >

## FRONT DOOR HARNESS (RH SIDE)

### FRONT DOOR HARNESS (RH SIDE) (NISMO)

\*1 : Not applicable



2014/09/22

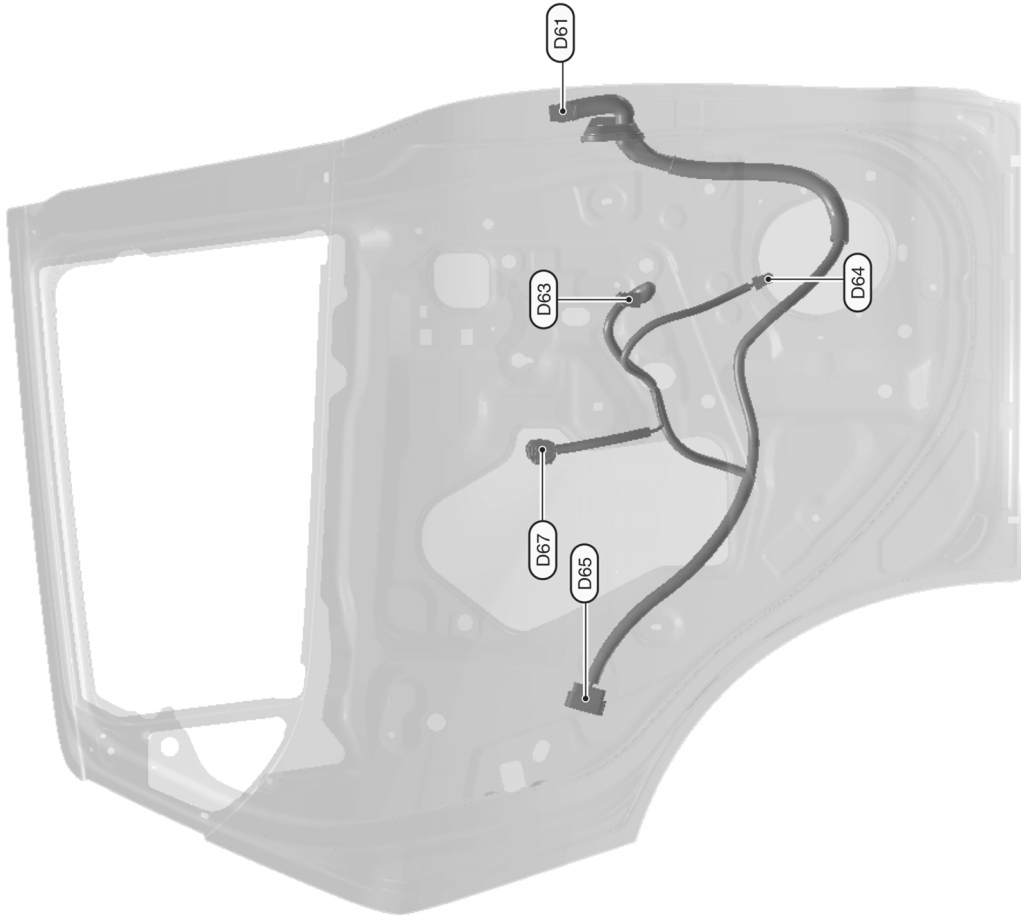
JRMIC5428GB

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# HARNESS LAYOUT

< WIRING DIAGRAM >

REAR DOOR HARNESS (LH SIDE)



REAR DOOR HARNESS (LH SIDE) (NISMO)

2013/10/01

JRMIC3967GB

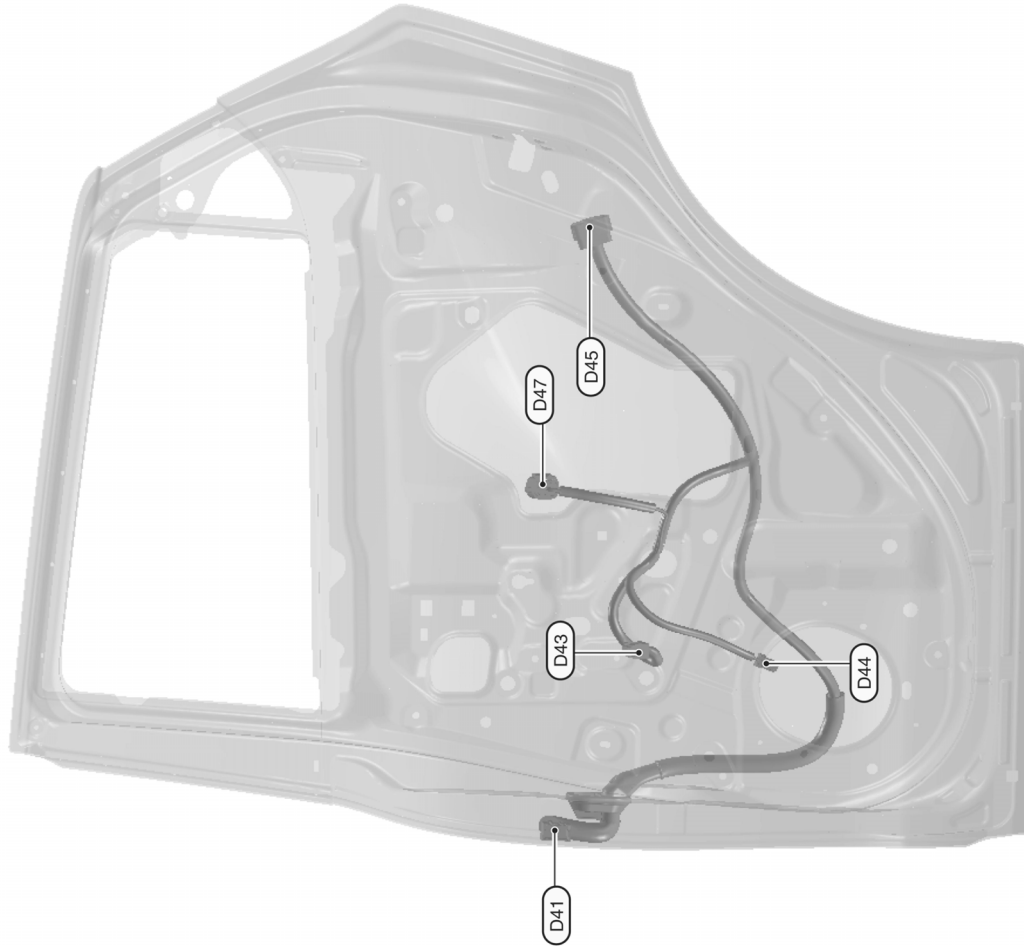


# HARNES LAYOUT

< WIRING DIAGRAM >

REAR DOOR HARNESS (RH SIDE)

REAR DOOR HARNESS (RH SIDE) (NISMO)



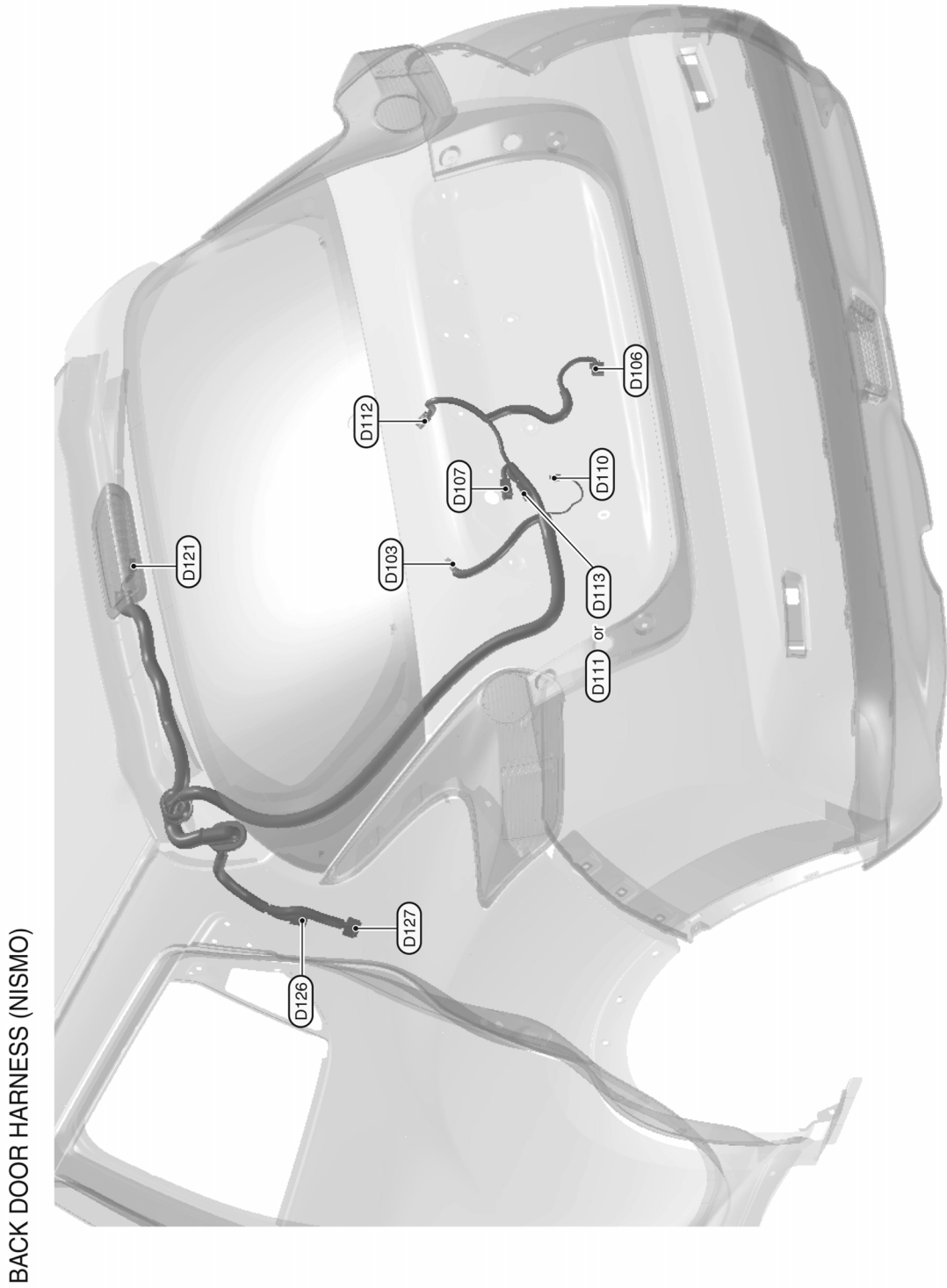
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JRMIC3968GB  
2013/10/01

# HARNES LAYOUT

< WIRING DIAGRAM >

## BACK DOOR HARNES



2014/09/22

JRMIC5429GB

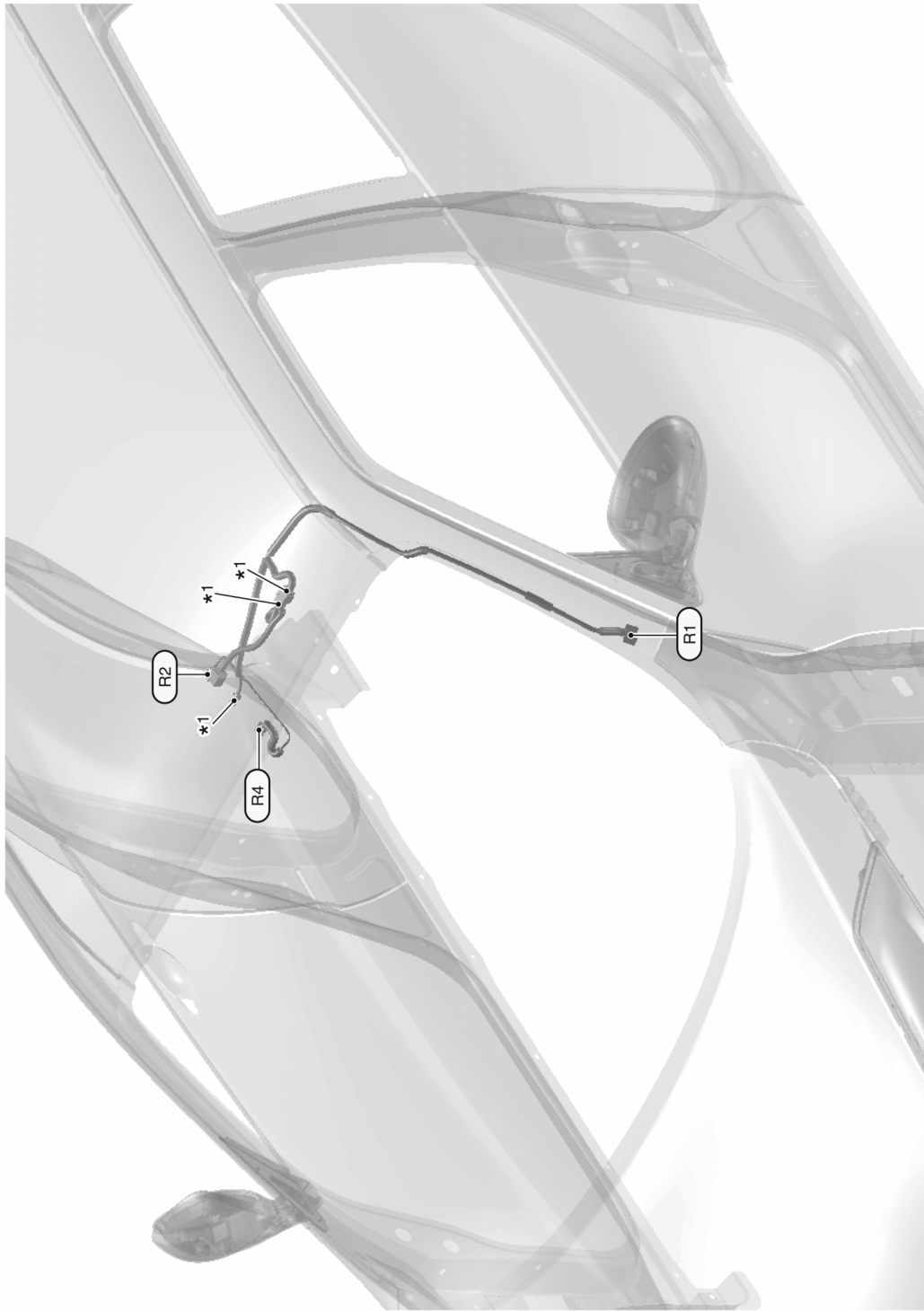
# HARNES LAYOUT

< WIRING DIAGRAM >

## NISMO : Room Lamp Harness

INFOID:000000011462022

\*1 : Not applicable



ROOM LAMP HARNESS (NISMO)

2014/09/22

JRMIC5430GB

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# BATTERY INSPECTION

< BASIC INSPECTION >

## BASIC INSPECTION

### BATTERY INSPECTION

#### How to Handle Battery

INFOID:000000011462023

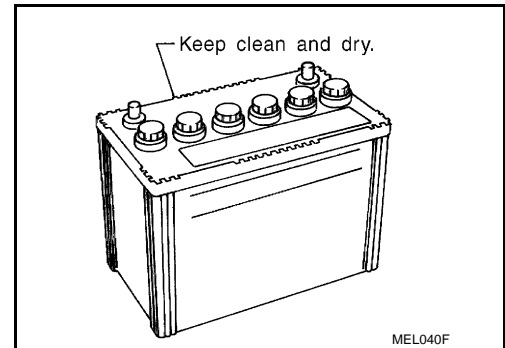
#### CAUTION:

- 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.

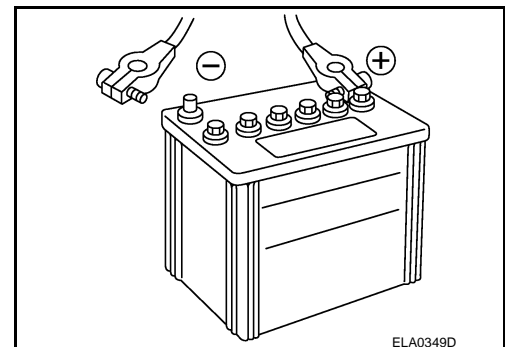
#### METHODS OF PREVENTING OVER-DISCHARGE

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 fuse switch, turn it off.)



#### Work Flow

INFOID:000000011462024

#### BATTERY DIAGNOSIS WITH EXP-800 NI OR GR8-1200 NI

To diagnose and confirm the condition of the battery, use the following special service tools:

- EXP-800 NI Battery and electrical diagnostic analyzer
- GR8-1200 NI Multitasking battery and electrical diagnostic station

#### NOTE:

Refer to the applicable instruction manual for proper battery diagnosis procedures.

#### BATTERY DIAGNOSIS WITHOUT EXP-800 NI OR GR8-1200 NI

Check Electrolyte Level

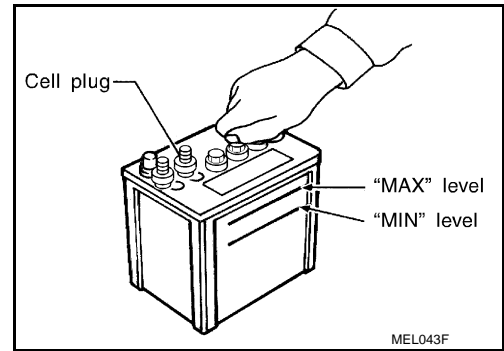
#### WARNING:

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. Failure to do this may cause personal injury or damage to clothing or the painted surfaces.

# BATTERY INSPECTION

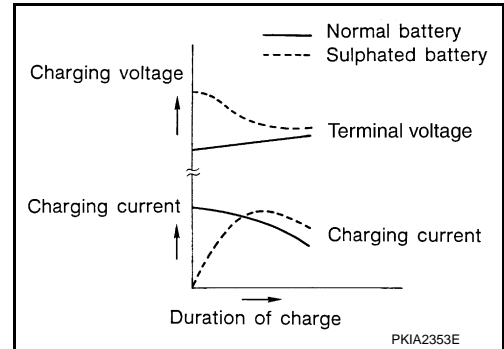
## < BASIC INSPECTION >

- 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.



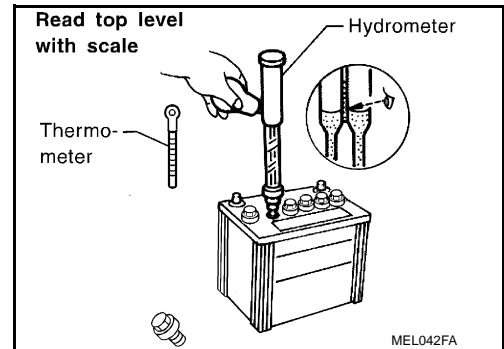
## Specific Gravity Check

### NOTE:

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.

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

# BATTERY INSPECTION

## < BASIC INSPECTION >

Battery electrolyte temperature [°C (°F)]	Add to specific gravity reading
4 (40)	-0.016
-1 (30)	-0.020
-7 (20)	-0.024
-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 (Standard Charge)

Approximate charge condition	Charge current (A)	Charge time (h)
Fully charged	5	2
3/4 charged		2.5
1/2 charged		5
1/4 charged		7.5
Almost discharged		9
Completely discharged		10

#### Charging Rates (Quick Charge)

Approximate charge condition	Charge current (A)	Charge time (h)
Fully charged	—	—
3/4 charged	13	0.5
1/2 charged	26	
1/4 charged		
Almost discharged	—	—
Completely discharged		

#### **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.

# FUSE INSPECTION

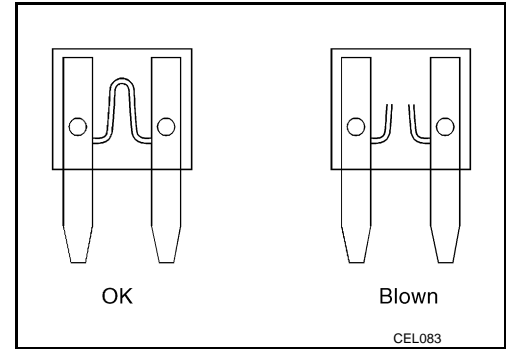
< BASIC INSPECTION >

## FUSE INSPECTION

### How To Check

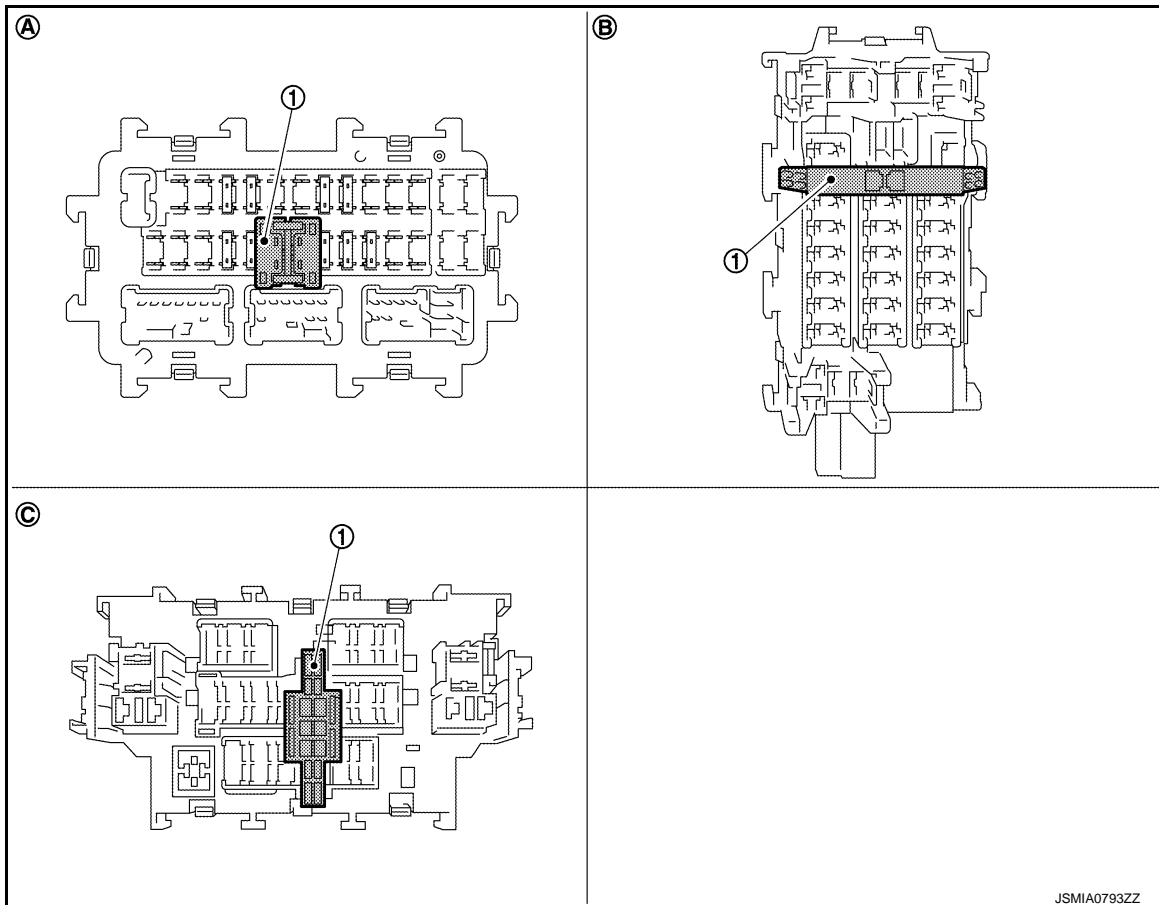
INFOID:000000011462025

- 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.



### EXTENDED STORAGE FUSE SWITCH (IF EQUIPPED)

The following switch may be mounted on the fuse block (Junction Box) for transportation and storage.



1. Extended storage fuse switch

A. Type A

B. Type B

C. Type C

- Remove the extended storage fuse switch when replacing the fuse of extended storage fuse switch.
- Remove the extended storage fuse switch if it causes the interference when the fuse or the other fuses is checked.

How To Extended Storage Fuse Switch ON/OFF

#### CAUTION:

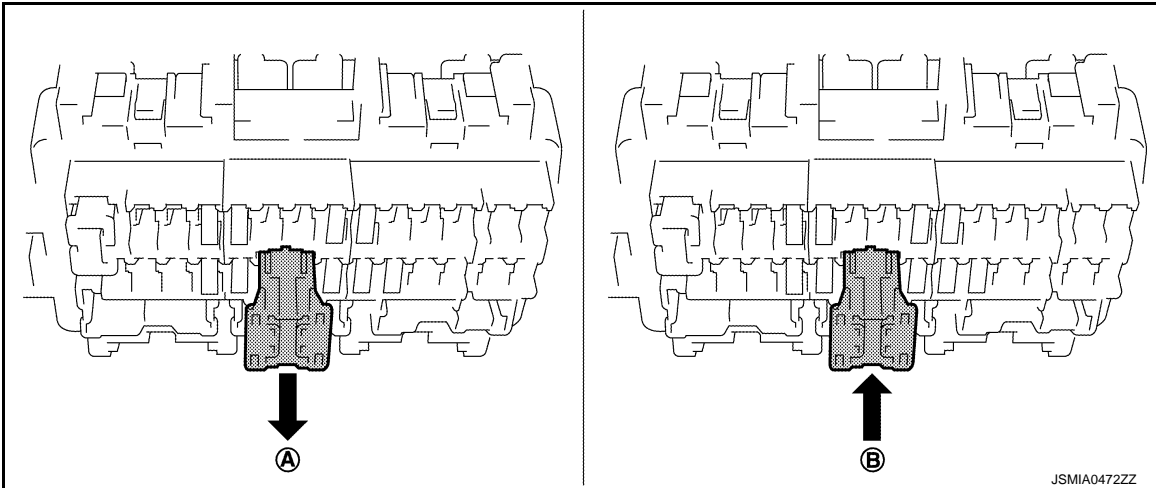
- Turn the ignition switch OFF when operating the extended storage fuse switch.
- Under normal conditions, keep the extended storage fuse switch in ON state. Never operate the extended storage fuse switch except when necessary.

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# FUSE INSPECTION

## < BASIC INSPECTION >

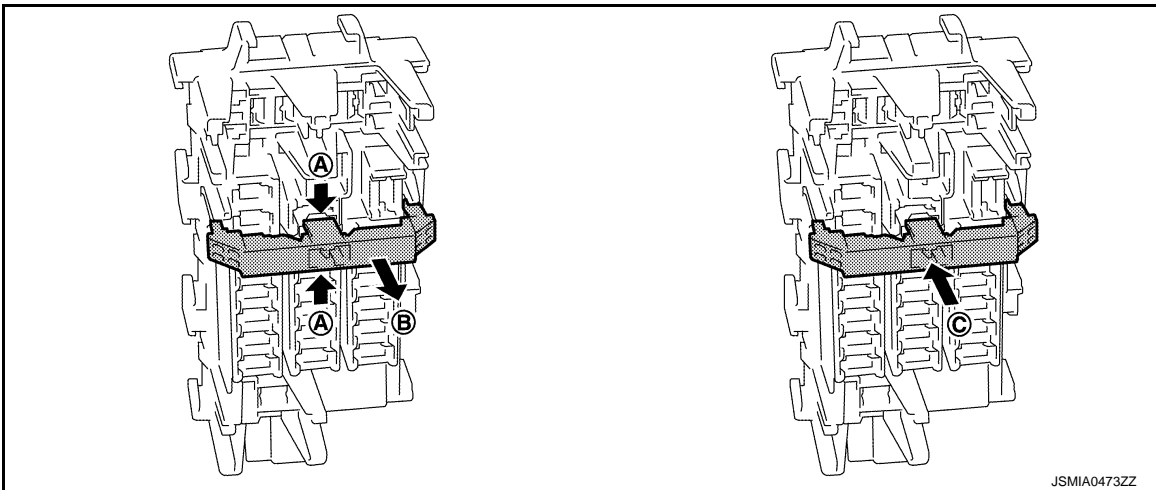
- Type A



JSMIA0472ZZ

- To turn the extended storage fuse switch OFF, pull it up in (A) direction as shown in the figure.
- To turn the extended storage fuse switch ON, press it in (B) direction as shown in the figure.

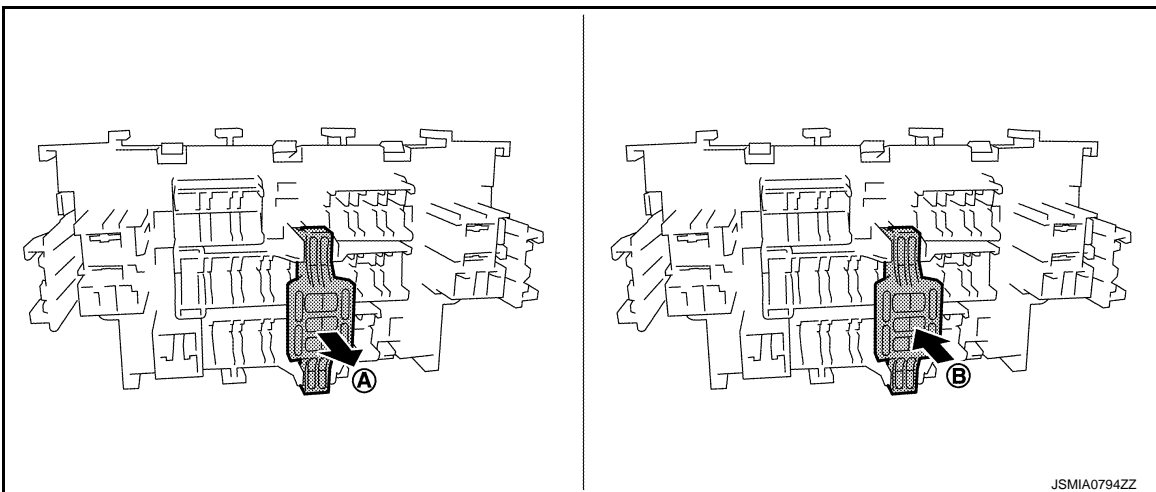
- Type B



JSMIA0473ZZ

- To turn the extended storage fuse switch OFF, hold (A) of the switch and pull up in (B) direction as shown in the figure.
- To turn the extended storage fuse switch ON, press it in (C) direction as shown in the figure.

- Type C



JSMIA0794ZZ

- To turn the extended storage fuse switch OFF, pull it up in (A) direction as shown in the figure.
- To turn the extended storage fuse switch ON, press it in (B) direction as shown in the figure.

### How To Remove Extended Storage Fuse Switch

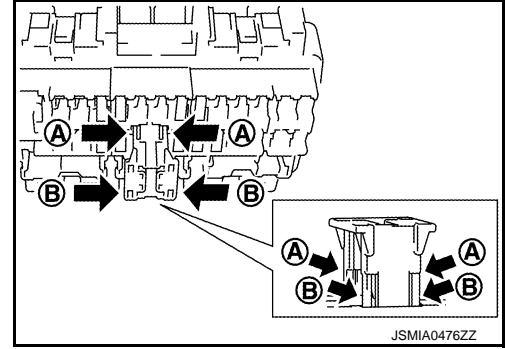
#### Type A



# FUSE INSPECTION

## < BASIC INSPECTION >

1. Turn the ignition switch OFF.
2. Turn the extended storage fuse switch OFF.
3. Press pawl (A) and tilt to disengage the extended storage fuse switch. Press pawl (B) and tilt to remove the extended storage fuse switch.

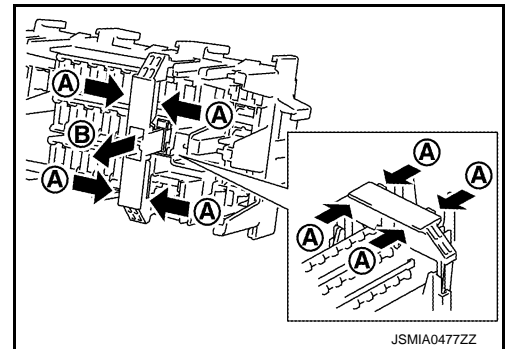


### NOTE:

- Extended storage fuse switch and fuse are removed together. Remove fuse from extended storage fuse switch, if necessary.
- Extended storage fuse switch is for transportation and storage. Reinstallation is not required after the removal.

### Type B

1. Turn the ignition switch OFF.
2. Turn the extended storage fuse switch OFF.
3. Hold (A) and pull up the extended storage fuse switch hard in (B) direction.

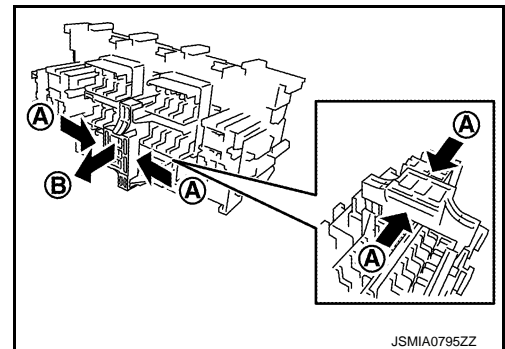


### NOTE:

- Extended storage fuse switch and fuse may be removed together. Remove fuse from extended storage fuse switch, if necessary.
- Extended storage fuse switch is for transportation and storage. Reinstallation is not required after the removal.

### Type C

1. Turn the ignition switch OFF.
2. Turn the extended storage fuse switch OFF.
3. Hold (A) and pull up the extended storage fuse switch hard in (B) direction.



### NOTE:

- Extended storage fuse switch and fuse are removed together. Remove fuse from extended storage fuse switch, if necessary.

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## FUSE INSPECTION

### < BASIC INSPECTION >

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- Extended storage fuse switch is for transportation and storage. Reinstallation is not required after the removal.

# FUSIBLE LINK INSPECTION

< BASIC INSPECTION >

## FUSIBLE LINK INSPECTION

### How To Check

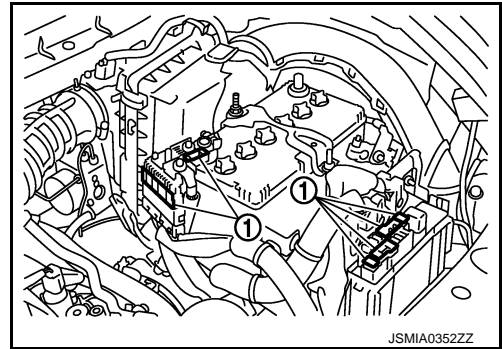
INFOID:000000011462026

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.



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# BATTERY

< REMOVAL AND INSTALLATION >


## REMOVAL AND INSTALLATION

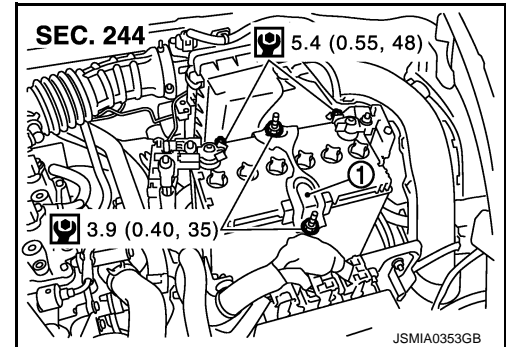
### BATTERY

#### Exploded View

INFOID:000000011462027

1 : Battery fix frame

 : N-m (kg-m, in-lb)



#### Removal and Installation

INFOID:000000011462028

##### REMOVAL

1. Disconnect the battery cable from the negative terminal.  
**CAUTION:**  
**When disconnecting, disconnect the battery cable from the negative terminal first.**
2. Remove cover of battery positive terminal.
3. Disconnect the battery cable from the positive terminal.
4. Remove battery fix frame mounting nuts and battery fix frame.
5. Remove battery.

##### INSTALLATION

Install in the reverse order of removal.

##### **CAUTION:**

- To install the battery, carefully read the following instructions.
- When connecting, connect the battery cable to the positive terminal first.
  - After connecting battery cables, ensure that they are tightly clamped to battery terminals for good contact.
  - Check battery terminal for poor connection caused by corrosion.
- Reset electronic systems as necessary. Refer to [GI-60. "ADDITIONAL SERVICE WHEN REMOVING BATTERY NEGATIVE TERMINAL : Required Procedure After Battery Disconnection"](#).


# BATTERY TERMINAL WITH FUSIBLE LINK

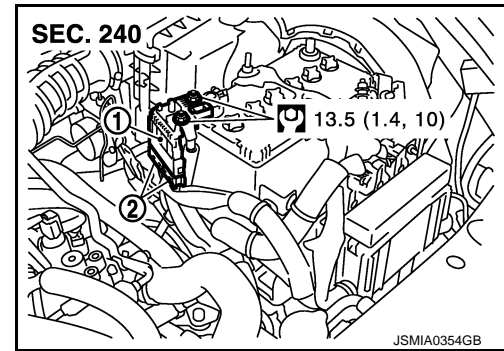
< REMOVAL AND INSTALLATION >

## BATTERY TERMINAL WITH FUSIBLE LINK

### Exploded View

INFOID:000000011462029

- 1 : Battery terminal with fusible link
- 2 : Harness connector
-  : N·m (kg-m, ft-lb)



### Removal and Installation

INFOID:000000011462030

#### REMOVAL

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

#### INSTALLATION

Install in the reverse order of removal.

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## SERVICE DATA AND SPECIFICATIONS (SDS)

< SERVICE DATA AND SPECIFICATIONS (SDS)

# SERVICE DATA AND SPECIFICATIONS (SDS)

## SERVICE DATA AND SPECIFICATIONS (SDS)

### Battery

INFOID:000000011462031

Type		80D23L-HR
20 hour rate capacity	[V – Ah]	12 – 62
Cold cranking current (For reference value)	[A]	570