

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:000000006484319

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

The vehicle may be equipped with a passenger air bag deactivation switch. Because no rear seat exists where a rear-facing child restraint can be placed, the switch is designed to turn off the passenger air bag so that a rear-facing child restraint can be used in the front passenger seat. The switch is located in the center of the instrument panel, near the ashtray. When the switch is turned to the ON position, the passenger air bag is enabled and could inflate for certain types of collision. When the switch is turned to the OFF position, the passenger air bag is disabled and will not inflate. A passenger air bag OFF indicator on the instrument panel lights up when the passenger air bag is switched OFF. The driver air bag always remains enabled and is not affected by the passenger air bag deactivation switch.

WARNING:

- To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision which would result in air bag inflation, all maintenance must be performed by an authorized NISSAN/INFINITI dealer.
- Improper maintenance, including incorrect removal and installation of the SRS, can lead to personal injury caused by unintentional activation of the system. For removal of Spiral Cable and Air Bag Module, see the "SRS AIR BAG".
- Do not use electrical test equipment on any circuit related to the SRS unless instructed to in this Service Manual. SRS wiring harnesses can be identified by yellow and/or orange harnesses or harness connectors.
- The vehicle may be equipped with a passenger air bag deactivation switch which can be operated by the customer. When the passenger air bag is switched OFF, the passenger air bag is disabled and will not inflate. When the passenger air bag is switched ON, the passenger air bag is enabled and could inflate for certain types of collision. After SRS maintenance or repair, make sure the passenger air bag deactivation switch is in the same position (ON or OFF) as when the vehicle arrived for service.

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

WARNING:

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

COMPONENT PARTS

< SYSTEM DESCRIPTION >

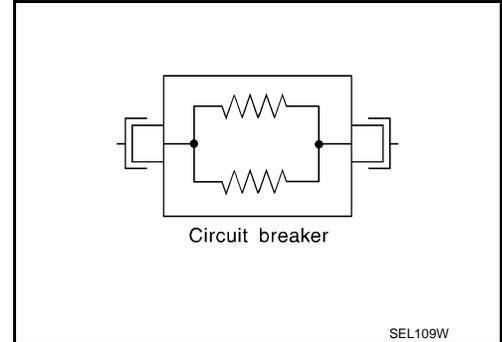
SYSTEM DESCRIPTION

COMPONENT PARTS

Circuit Breaker

INFOID:000000006484269

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:000000006484270

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:000000006484271

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.

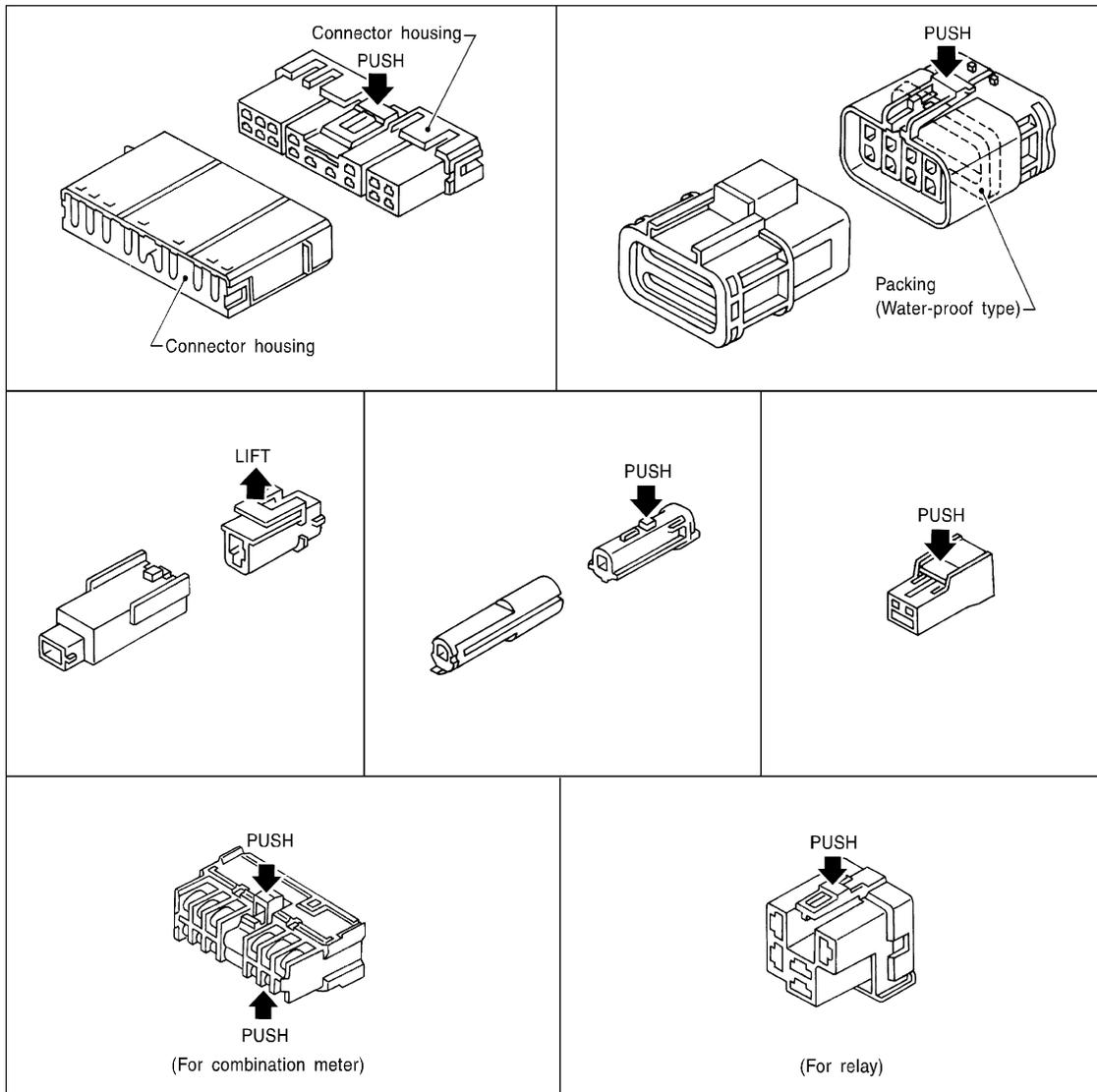
CAUTION:

Never pull the harness or wires when disconnecting the connector.

COMPONENT PARTS

< SYSTEM DESCRIPTION >

[Example]



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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:

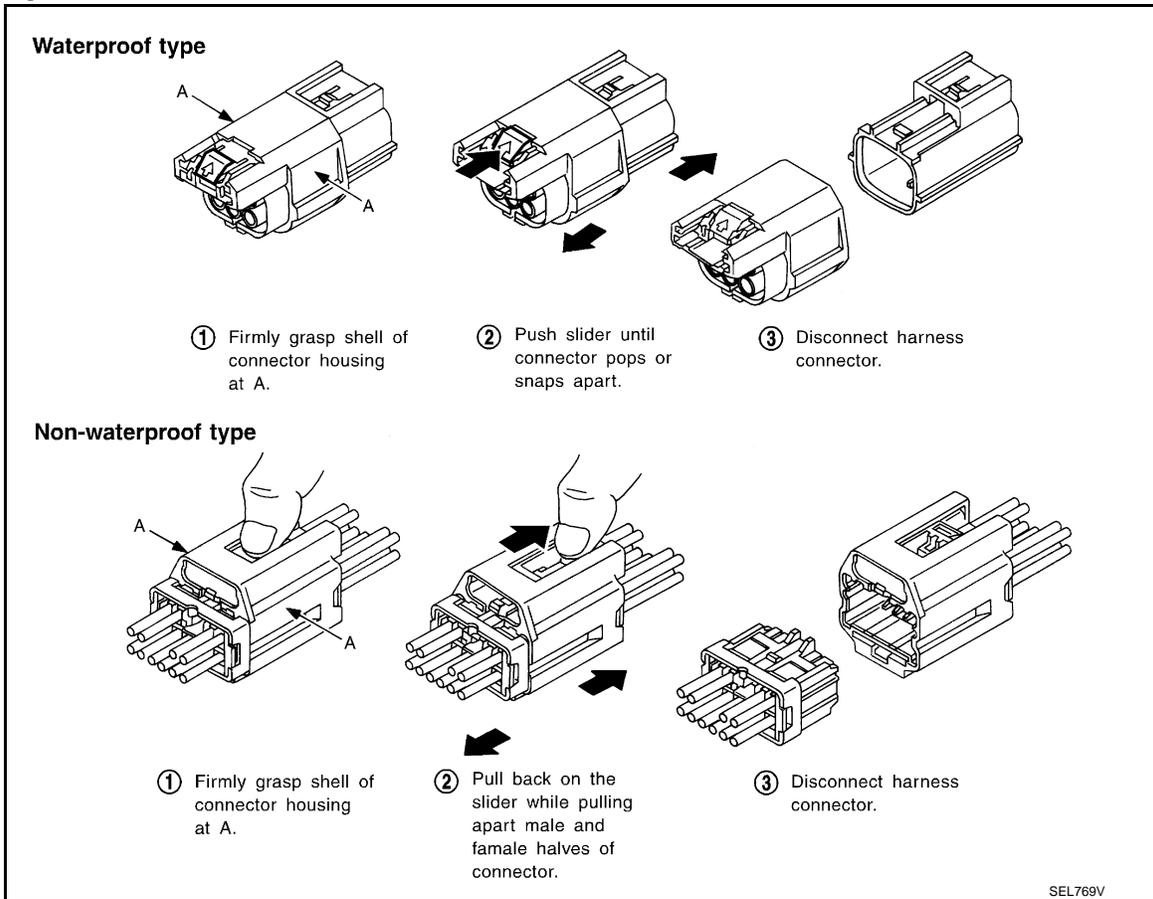
- **Never pull the harness or wires when disconnecting the connector.**
- **Be careful not to damage the connector support bracket when disconnecting the connector.**

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COMPONENT PARTS

< SYSTEM DESCRIPTION >

[Example]



HARNESS CONNECTOR (LEVER LOCKING TYPE)

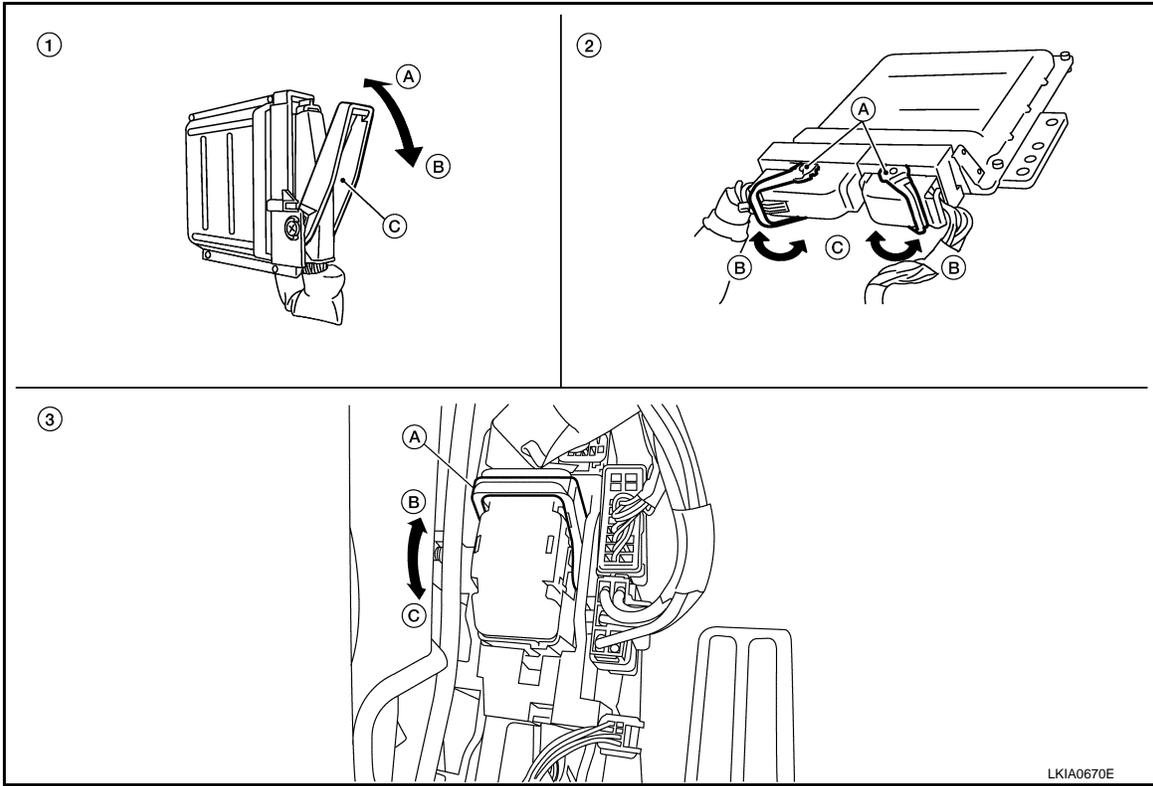
- Lever locking type harness connectors are used on certain control units and control modules such as ECM, ABS actuator and electric unit (control unit), etc.
- Lever locking type harness connectors are also used on super multiple junction (SMJ) connectors.
- Always confirm the lever is fully locked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

CAUTION:

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.



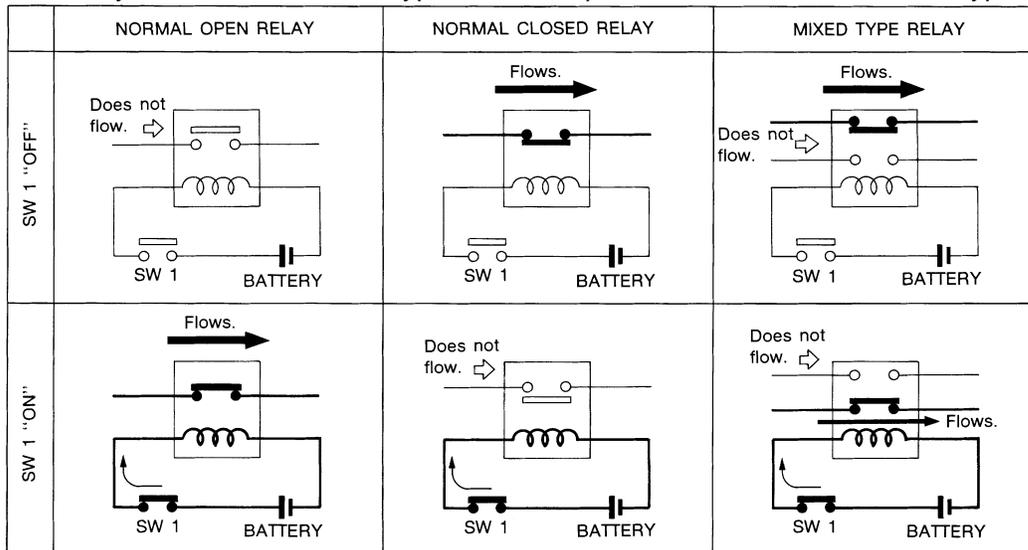
- | | | |
|--|--|---|
| <p>1. Control unit with single lever</p> <p>A. Fasten</p> <p>B. Loosen</p> <p>C. Lever</p> | <p>2. Control unit with dual levers</p> <p>A. Levers</p> <p>B. Fasten</p> <p>C. Loosen</p> | <p>3. SMJ connector</p> <p>A. Lever</p> <p>B. Fasten</p> <p>C. Loosen</p> |
|--|--|---|

Standardized Relay

INFOID:000000006484272

NORMAL OPEN, NORMAL CLOSED AND MIXED TYPE RELAYS

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



SEL881H

TYPE OF STANDARDIZED RELAYS

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COMPONENT PARTS

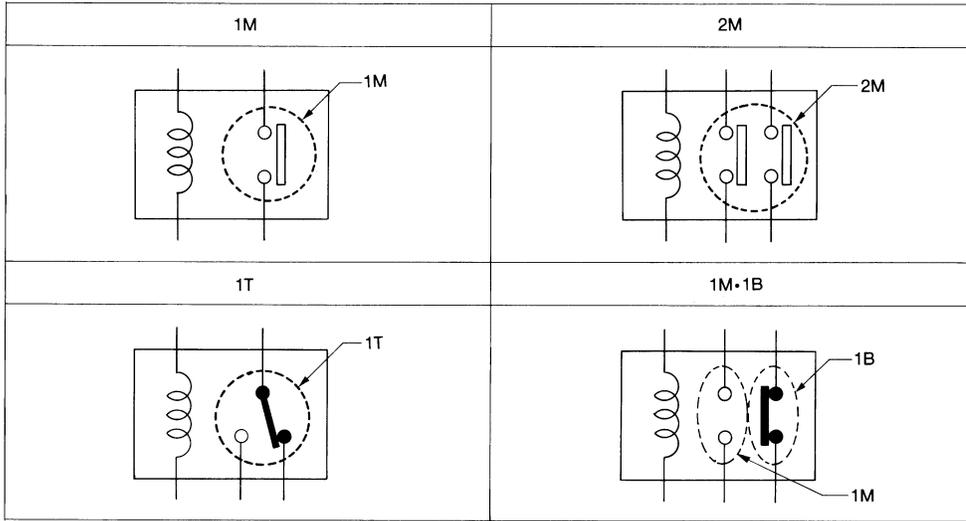
< SYSTEM DESCRIPTION >

1M 1 Make

2M 2 Make

1T 1 Transfer

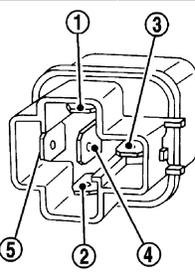
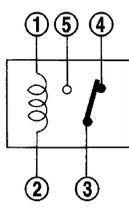
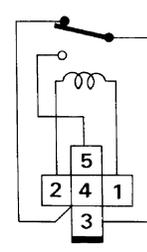
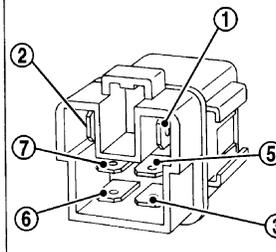
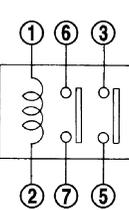
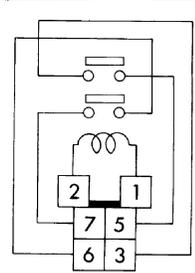
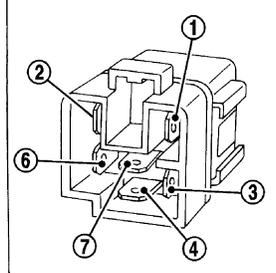
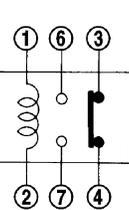
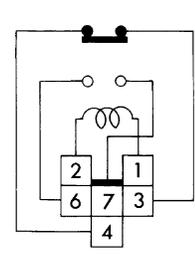
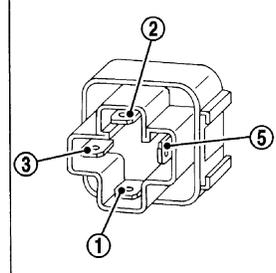
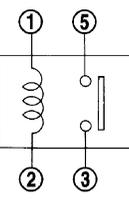
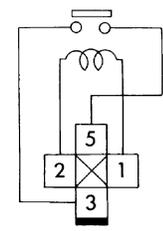
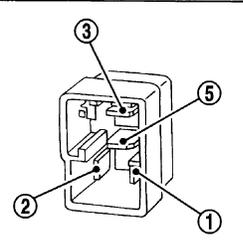
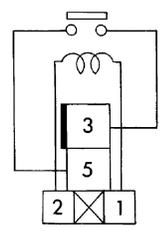
1M-1B 1 Make 1 Break



SEL882H

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

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POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

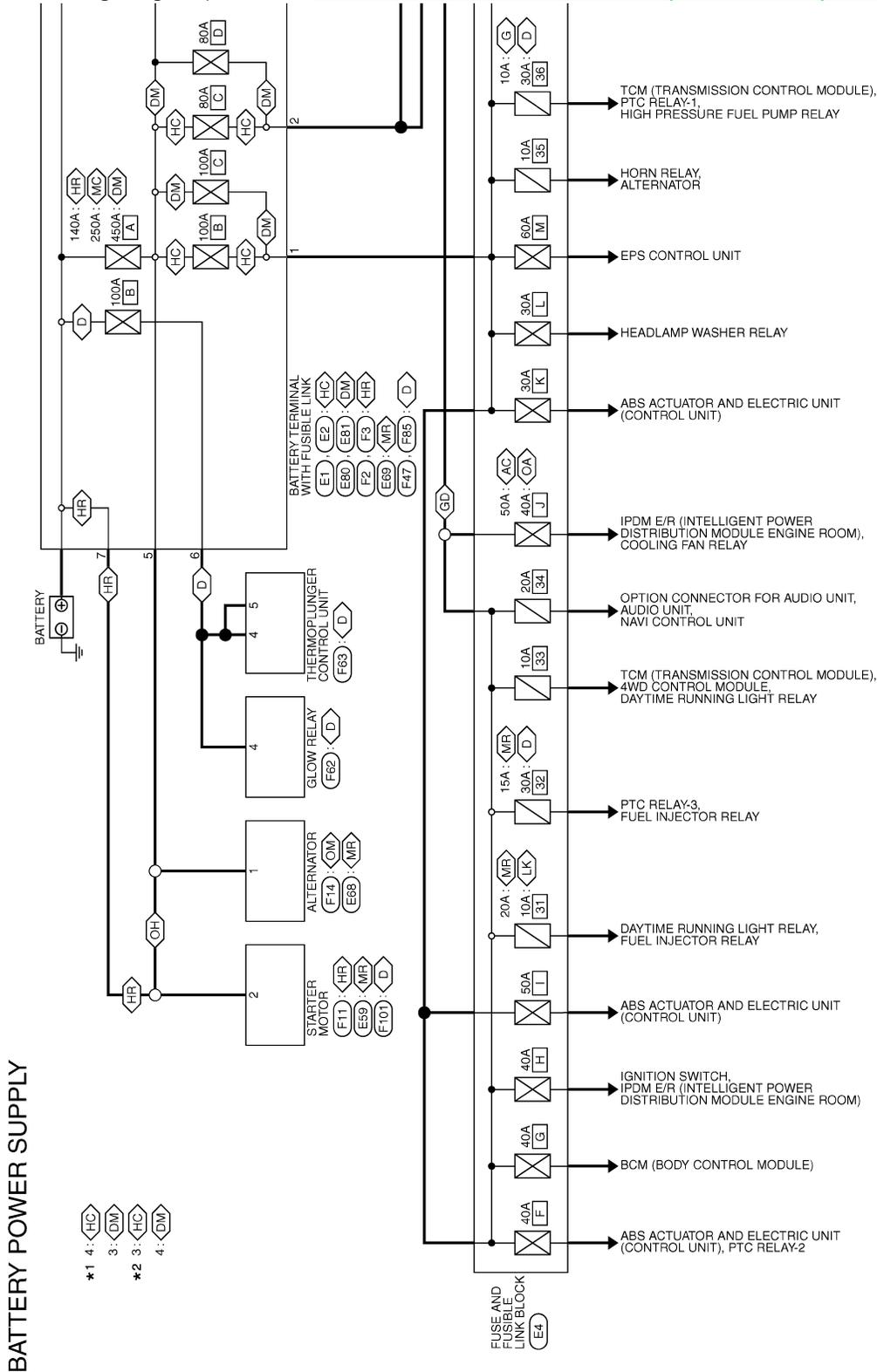
WIRING DIAGRAM

POWER SUPPLY ROUTING CIRCUIT

Wiring Diagram - BATTERY POWER SUPPLY -

INFOID:000000006484273

For connector terminal arrangements, harness layouts, and alphabets in a  (option abbreviation; if not described in wiring diagram), refer to [GI-12. "Connector Information/Explanation of Option Abbreviation"](#).

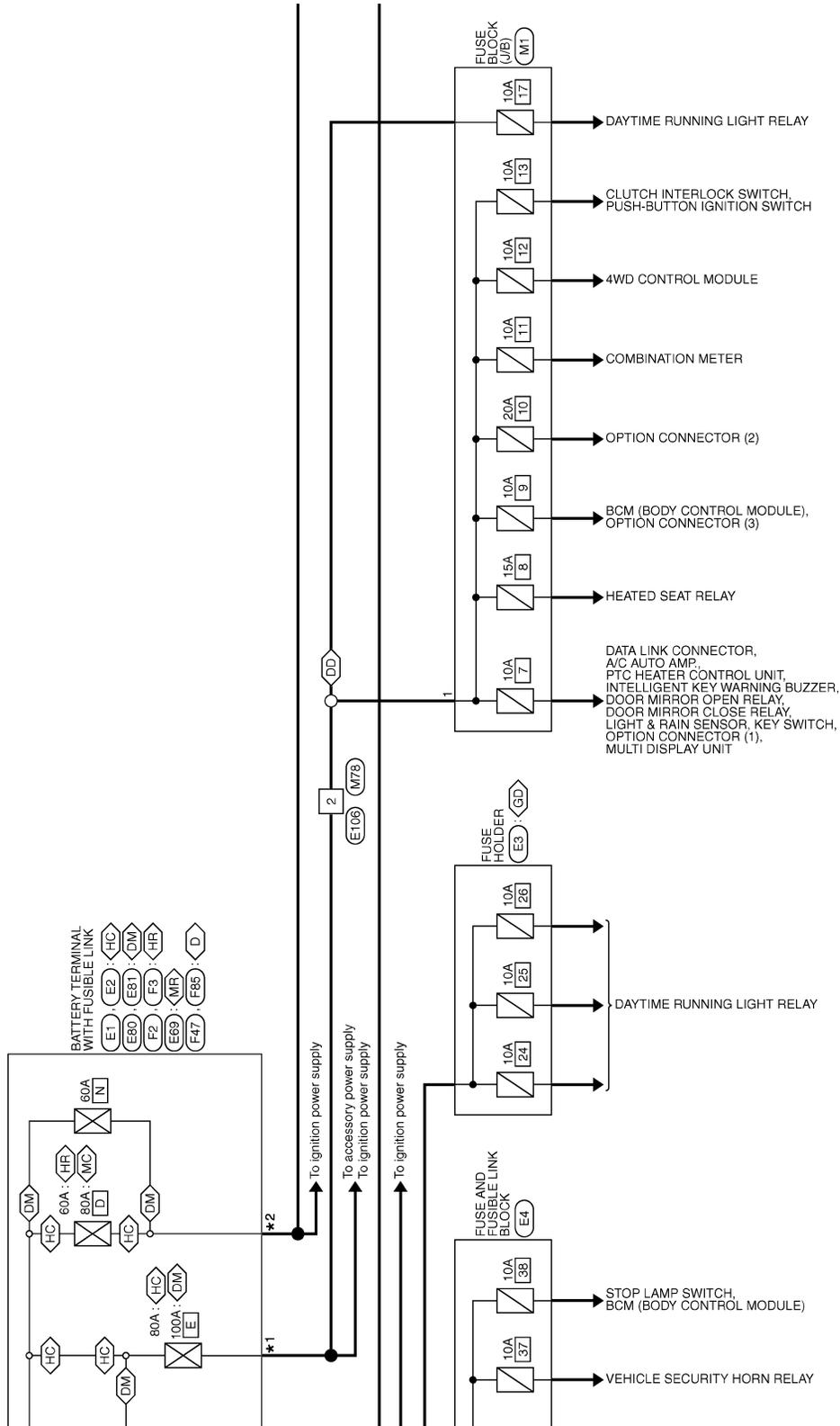


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POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >



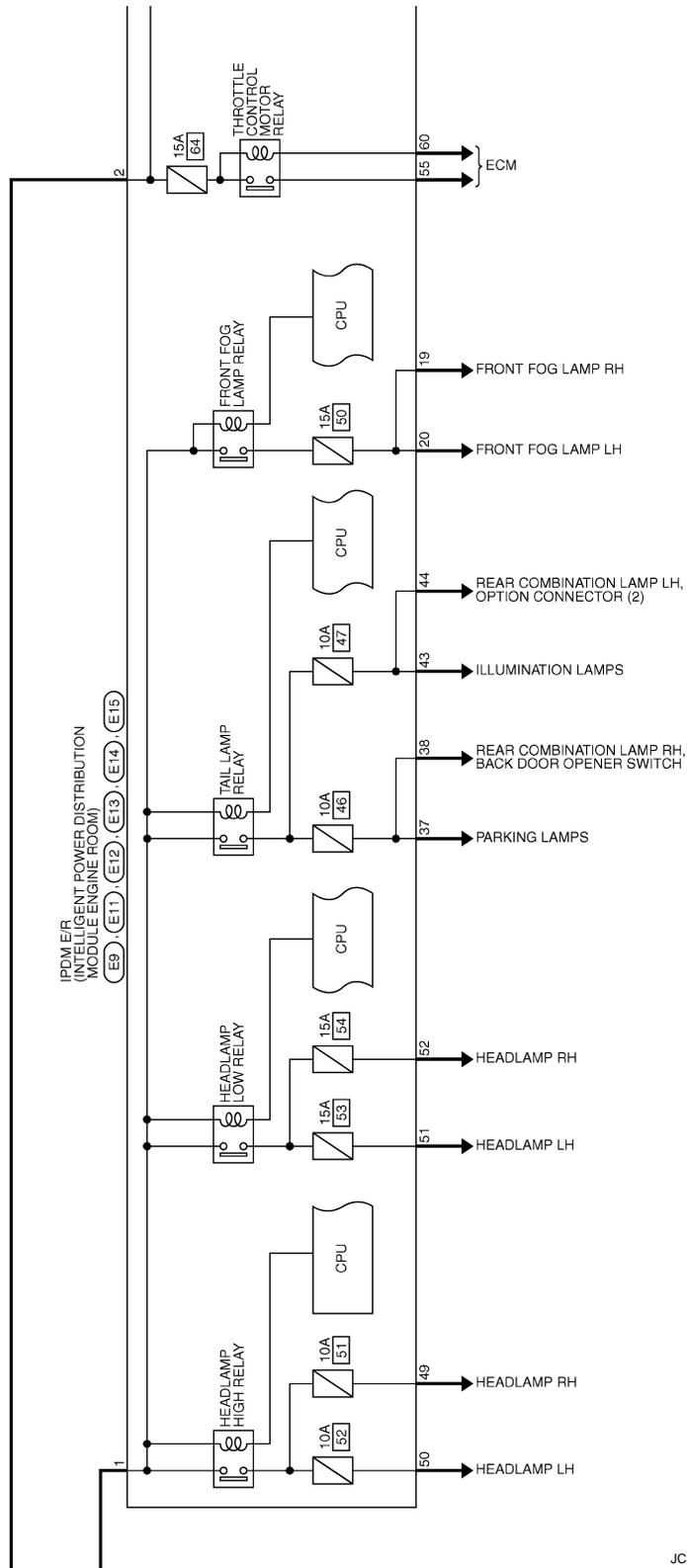
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POWER SUPPLY ROUTING CIRCUIT

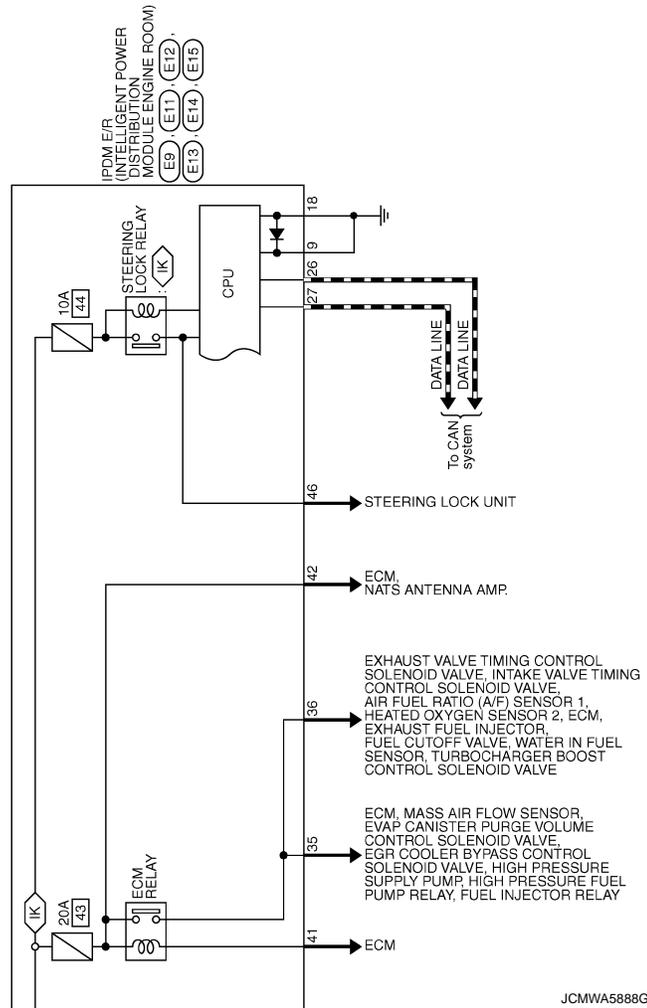
< WIRING DIAGRAM >



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POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >



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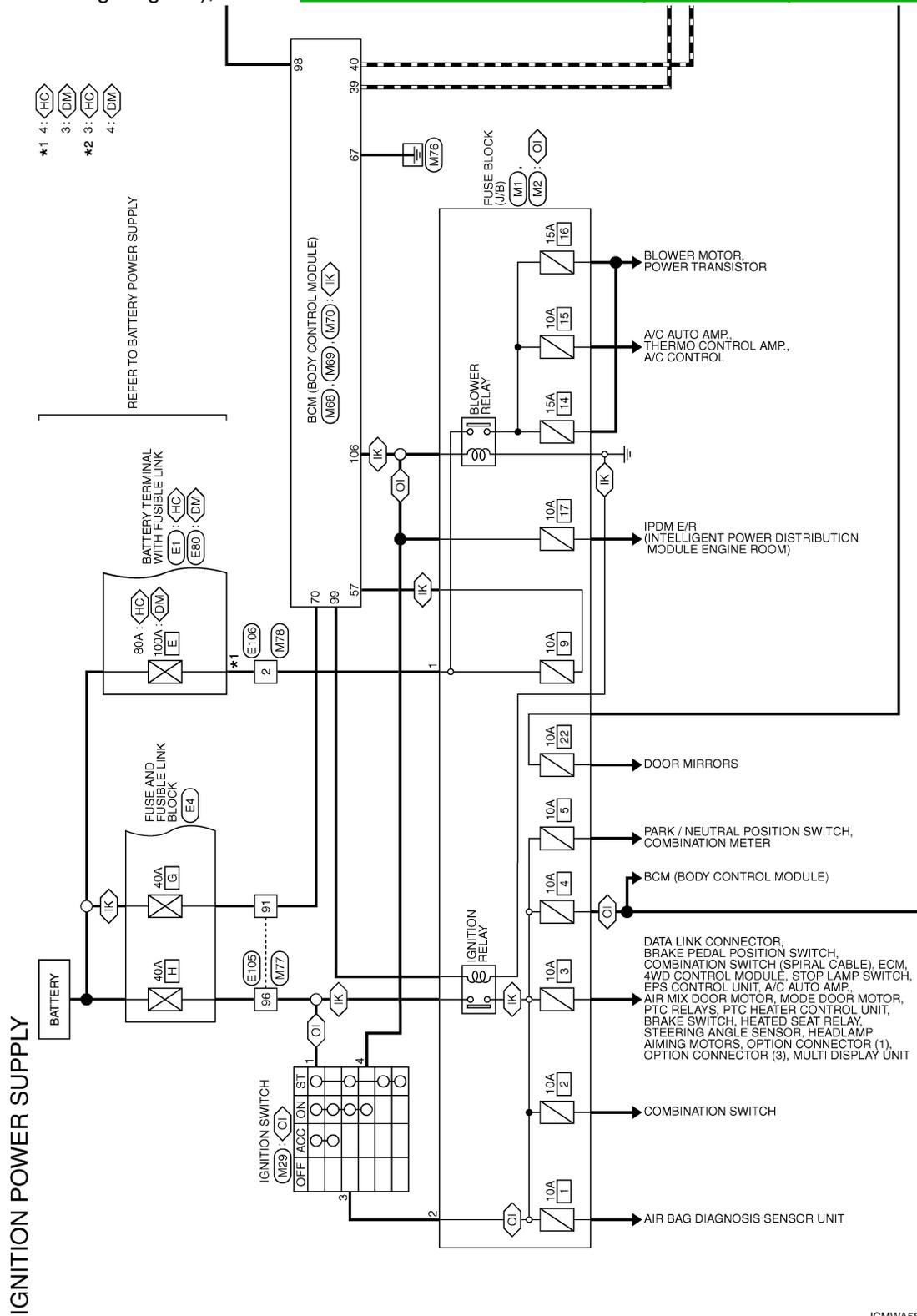
POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

Wiring Diagram - IGNITION POWER SUPPLY -

INFOID:000000006484275

For connector terminal arrangements, harness layouts, and alphabets in a  (option abbreviation; if not described in wiring diagram), refer to [GI-12, "Connector Information/Explanation of Option Abbreviation"](#).



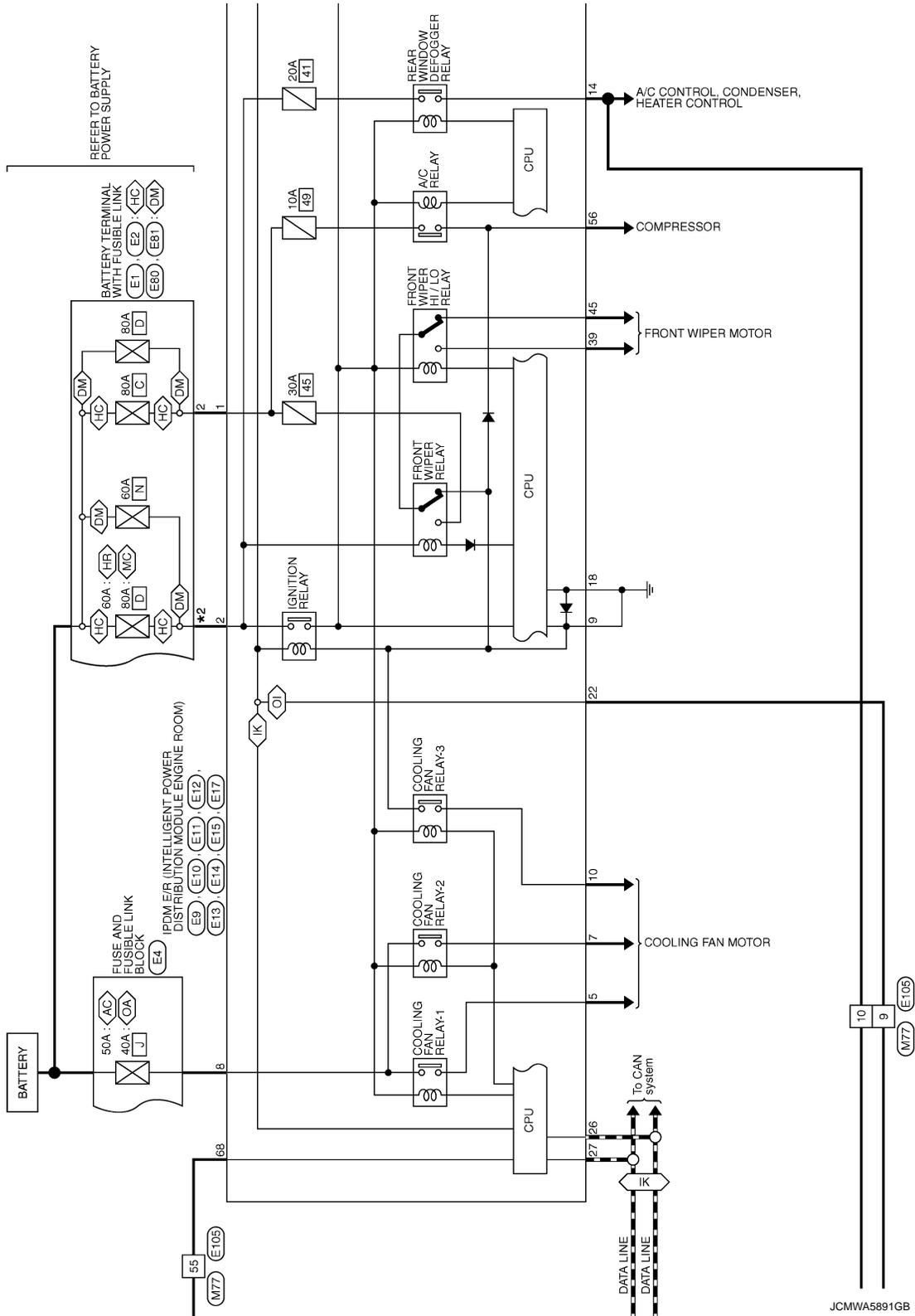
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POWER SUPPLY ROUTING CIRCUIT

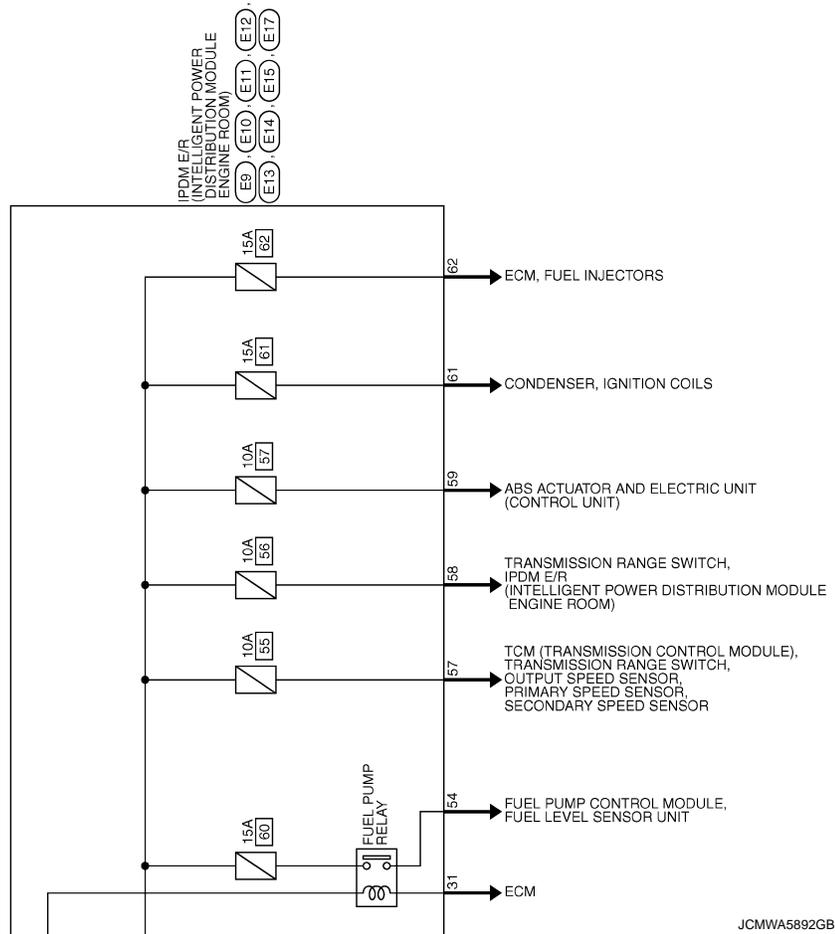
< WIRING DIAGRAM >



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POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >



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OPTION HARNESS

< WIRING DIAGRAM >

OPTION HARNESS

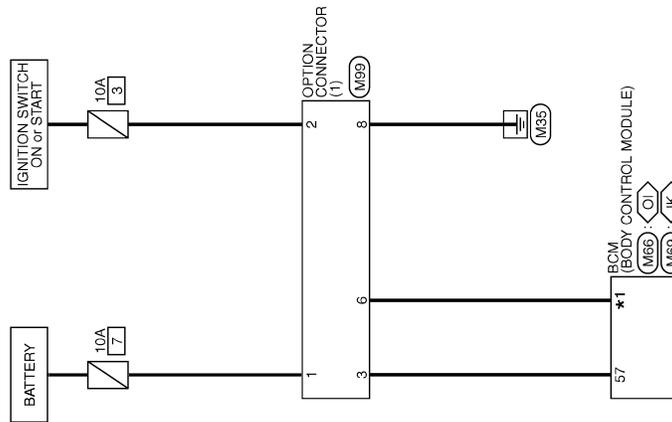
Wiring Diagram

INFOID:000000006484276

For connector terminal arrangements, harness layouts, and alphabets in a  (option abbreviation; if not described in wiring diagram), refer to [GI-12, "Connector Information/Explanation of Option Abbreviation"](#).

OPTION HARNESS (ILLUMINATION TRACKING)

*1  63: 
60: 



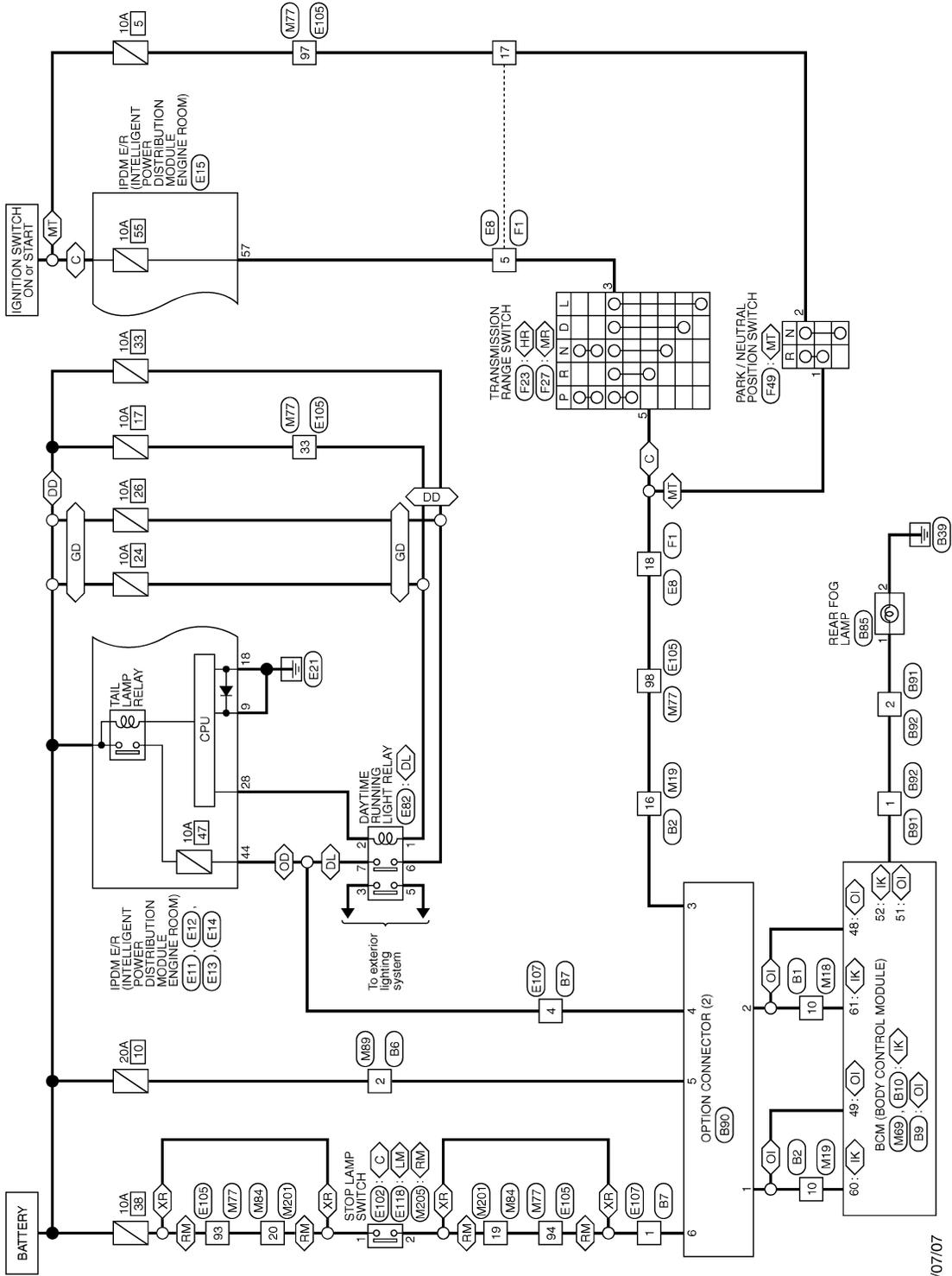
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OPTION HARNESS

< WIRING DIAGRAM >

OPTION HARNESS (TOWING)



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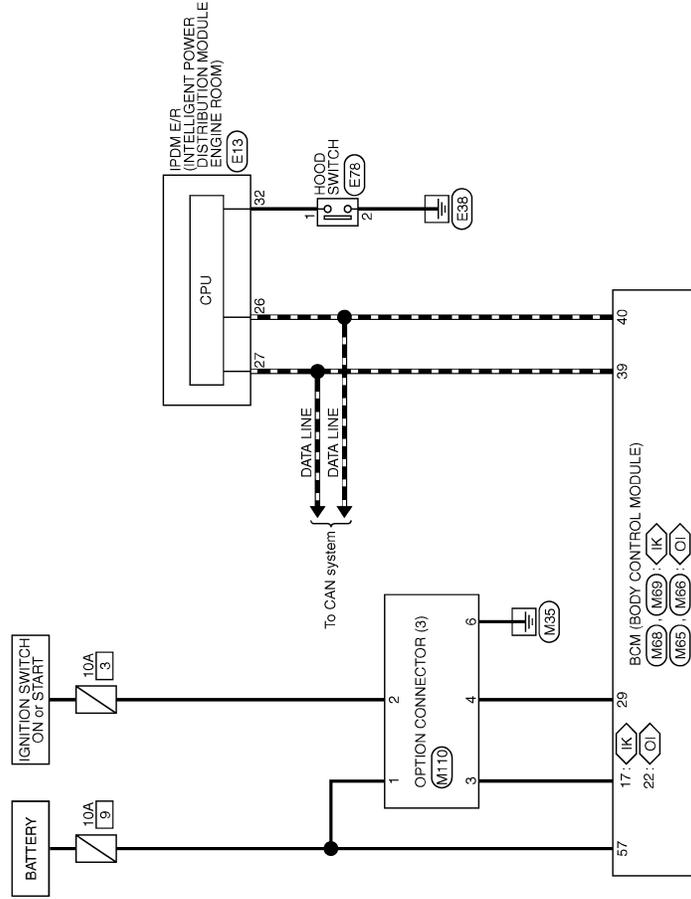
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OPTION HARNESS

< WIRING DIAGRAM >

OPTION HARNESS (ALARM)



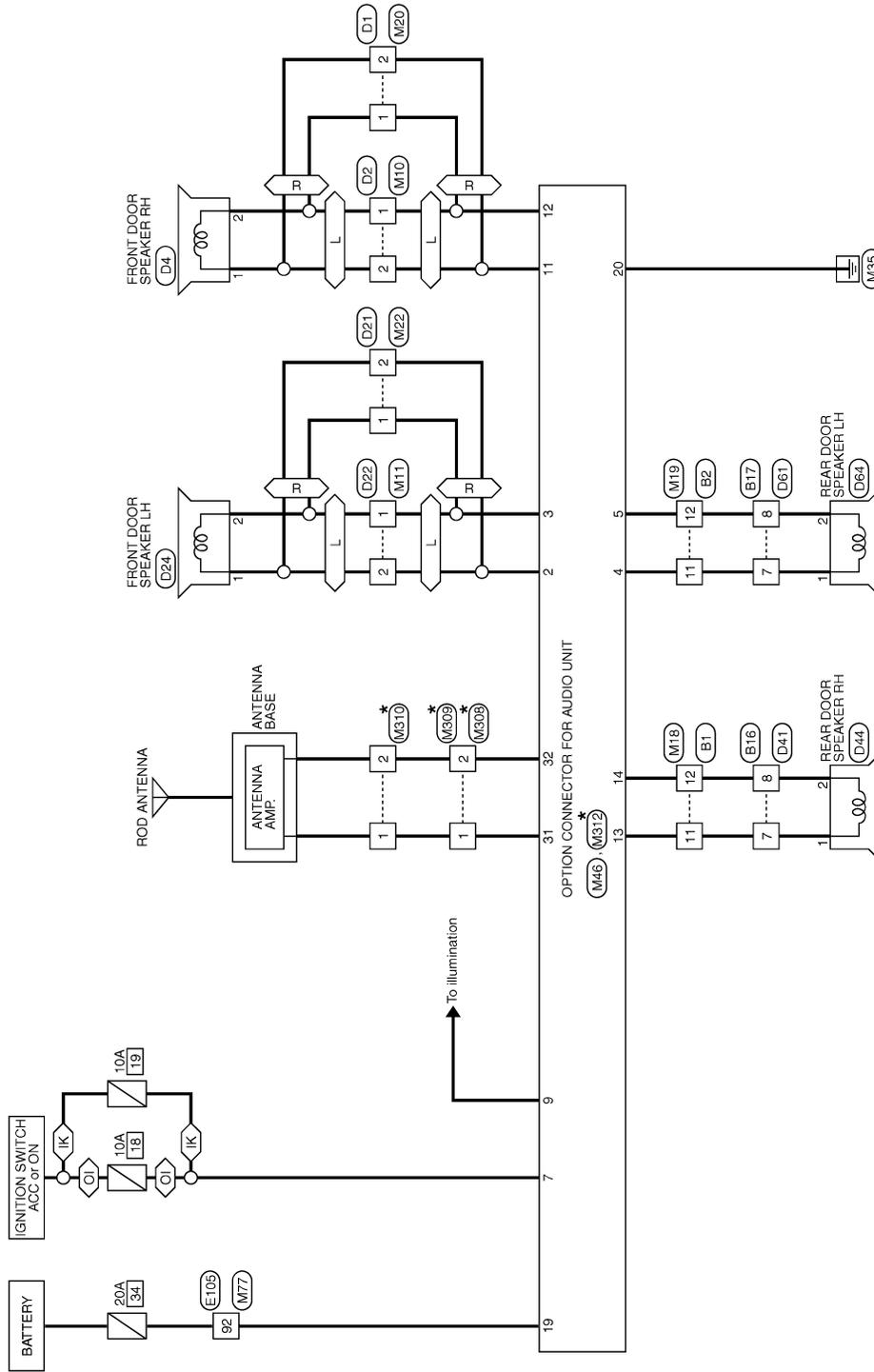
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OPTION HARNESS

< WIRING DIAGRAM >

OPTION HARNESS (AUDIO)



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

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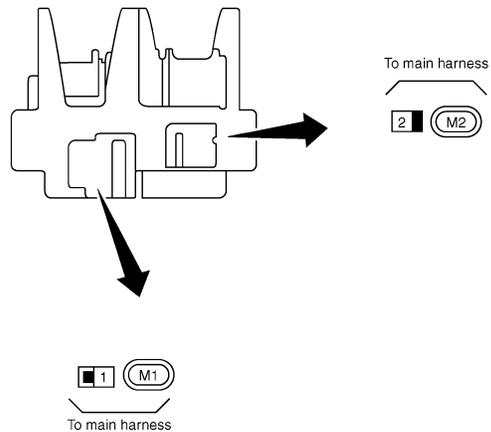
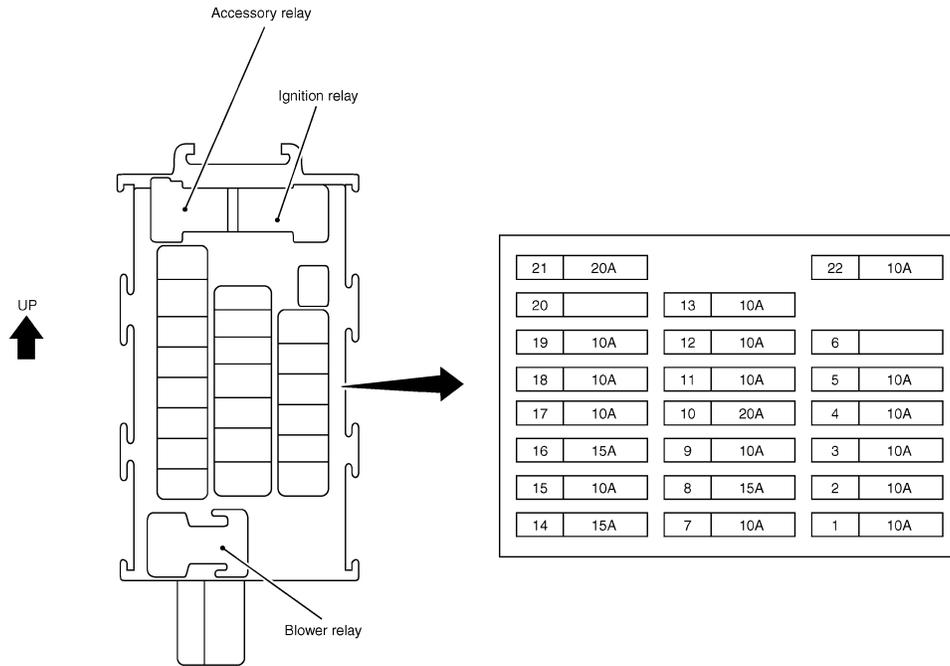
FUSE BLOCK - JUNCTION BOX (J/B)

< WIRING DIAGRAM >

FUSE BLOCK - JUNCTION BOX (J/B)

Fuse, Connector and Terminal Arrangement

INFOID:000000006484277



FUSE, FUSIBLE LINK AND RELAY BOX

< WIRING DIAGRAM >

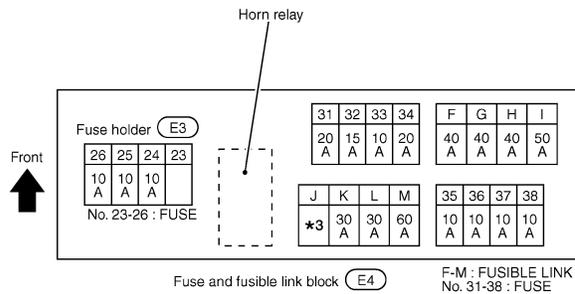
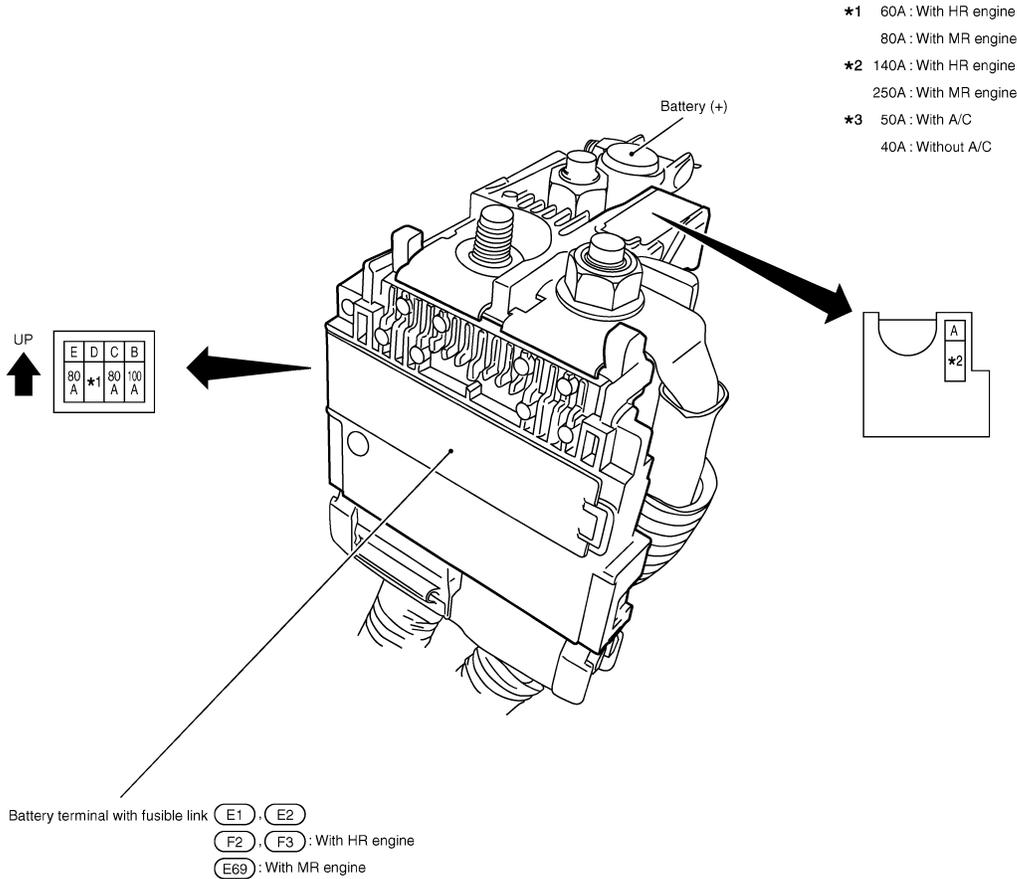
FUSE, FUSIBLE LINK AND RELAY BOX

Fuse and Fusible Link Arrangement

INFOID:000000006484278

HR ENGINE AND MR ENGINE WITH CVT

HR ENGINE AND MR ENGINE WITH CVT

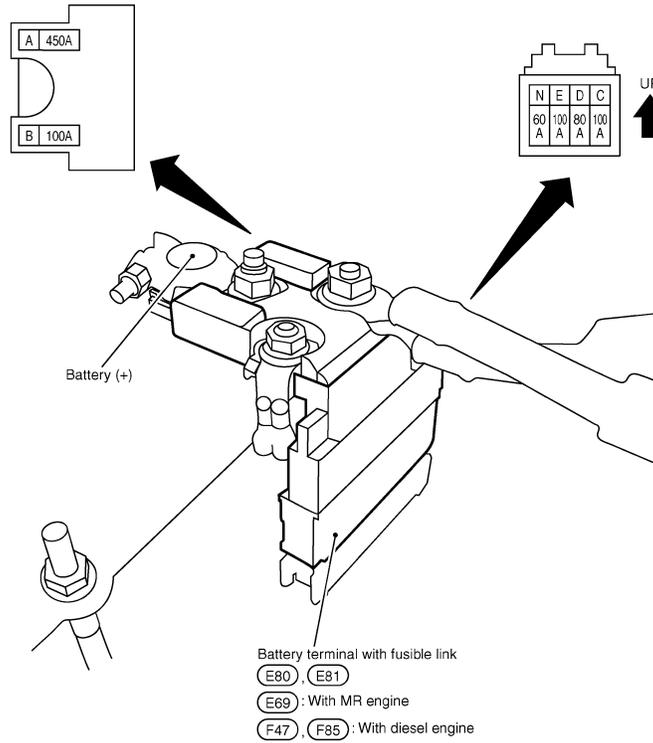


FUSE, FUSIBLE LINK AND RELAY BOX

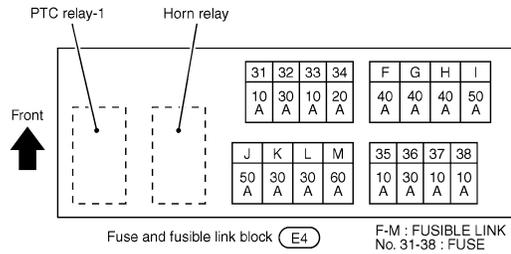
< WIRING DIAGRAM >

DIESEL ENGINE AND MR ENGINE WITH M/T

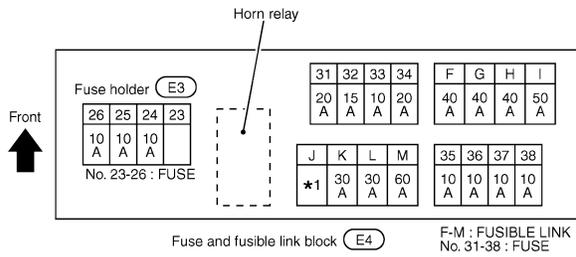
DIESEL ENGINE AND MR ENGINE WITH M/T



Diesel engine



MR engine



*1 50A : With A/C
40A : Without A/C

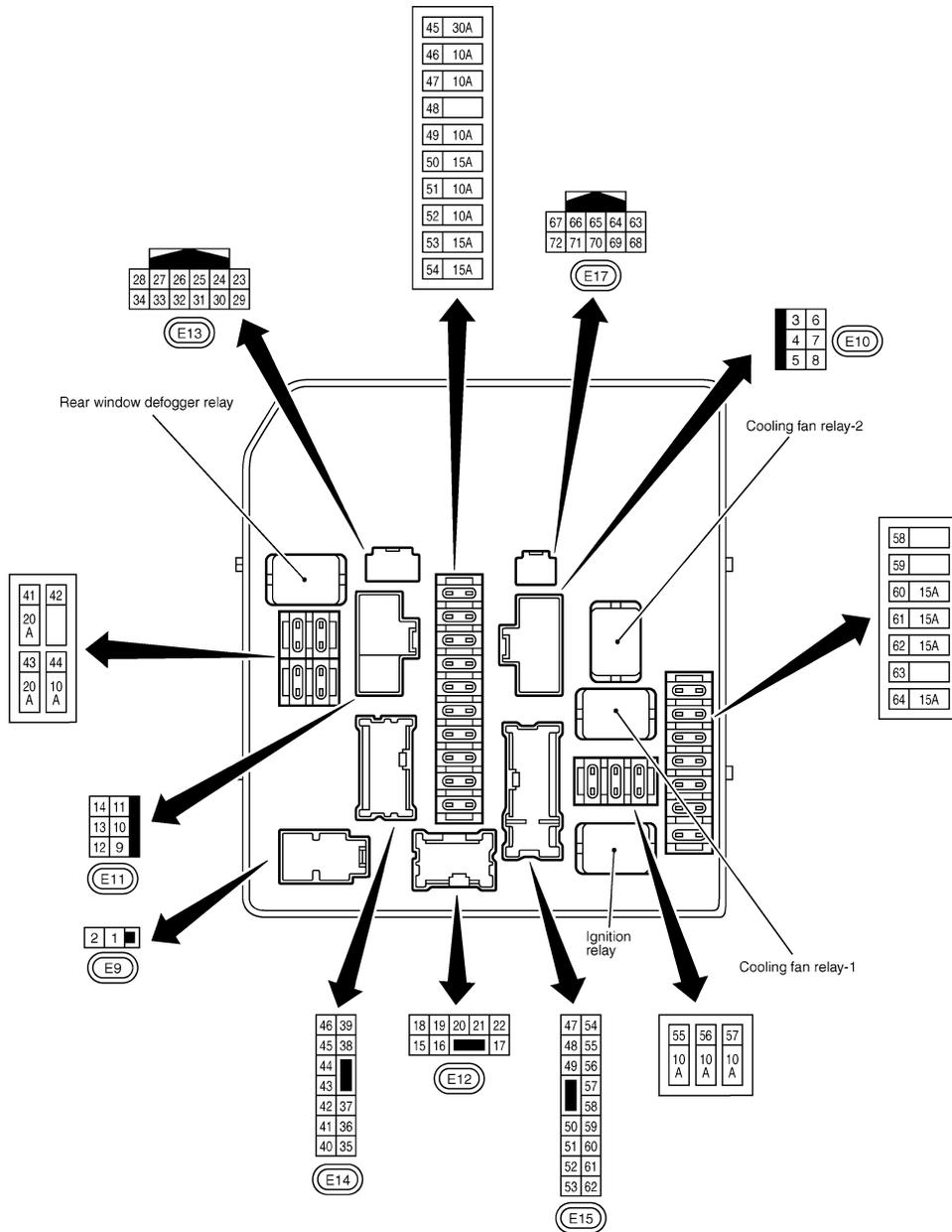
IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)

< WIRING DIAGRAM >

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

Fuse, Connector and Terminal Arrangement

INFOID:000000006484279



To engine room harness

2010/07/07

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HARNESS LAYOUT

< WIRING DIAGRAM >

HARNESS LAYOUT

LHD

LHD : How To Read Harness Layout

INFOID:000000006484280

CONNECTOR SYMBOL

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

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

JPMIA0114GB

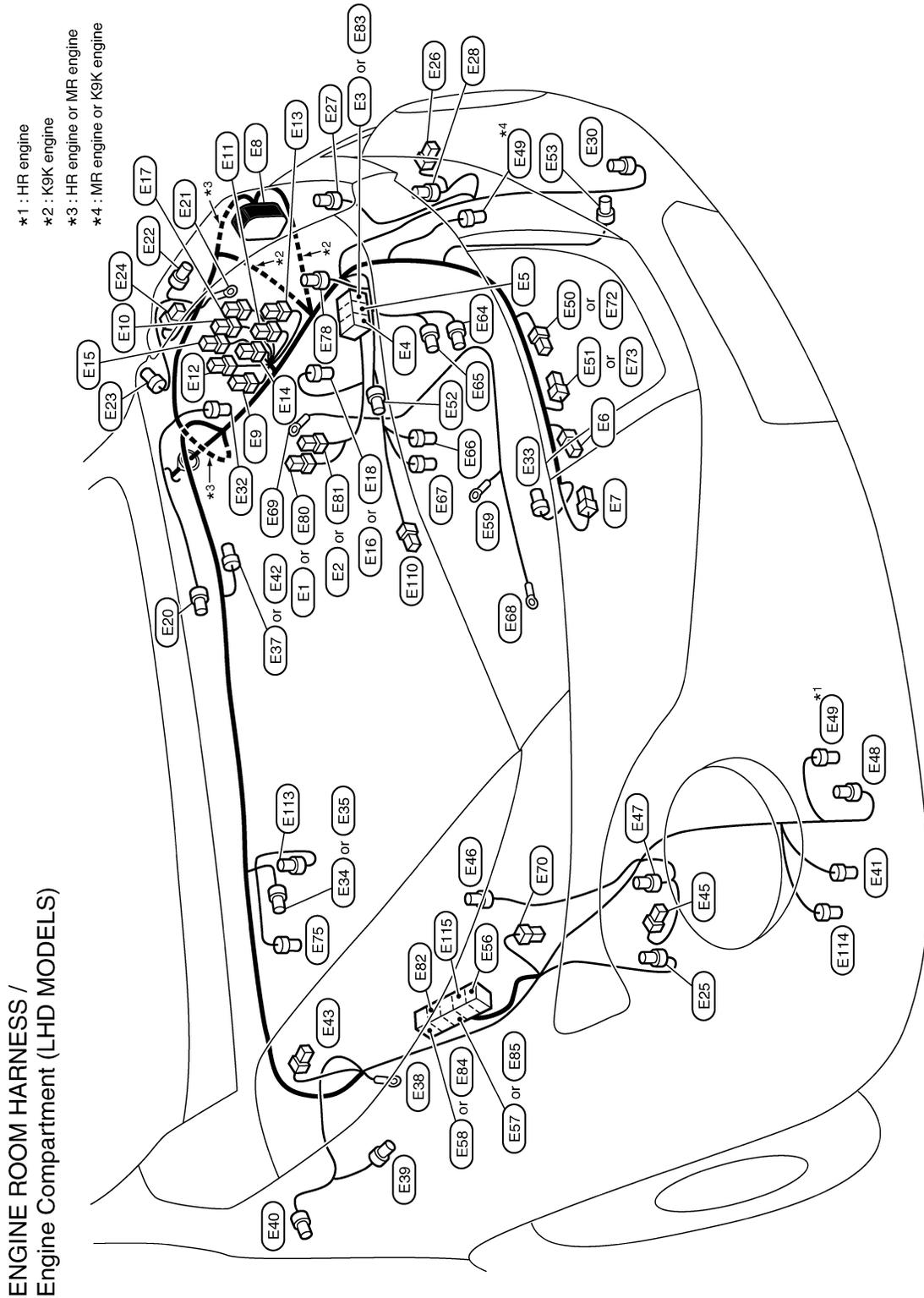
HARNES LAYOUT

< WIRING DIAGRAM >

LHD : Engine Room Harness

INFOID:000000006484281

ENGINE COMPARTMENT



ENGINE ROOM HARNESS /
Engine Compartment (LHD MODELS)

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2010/07/07

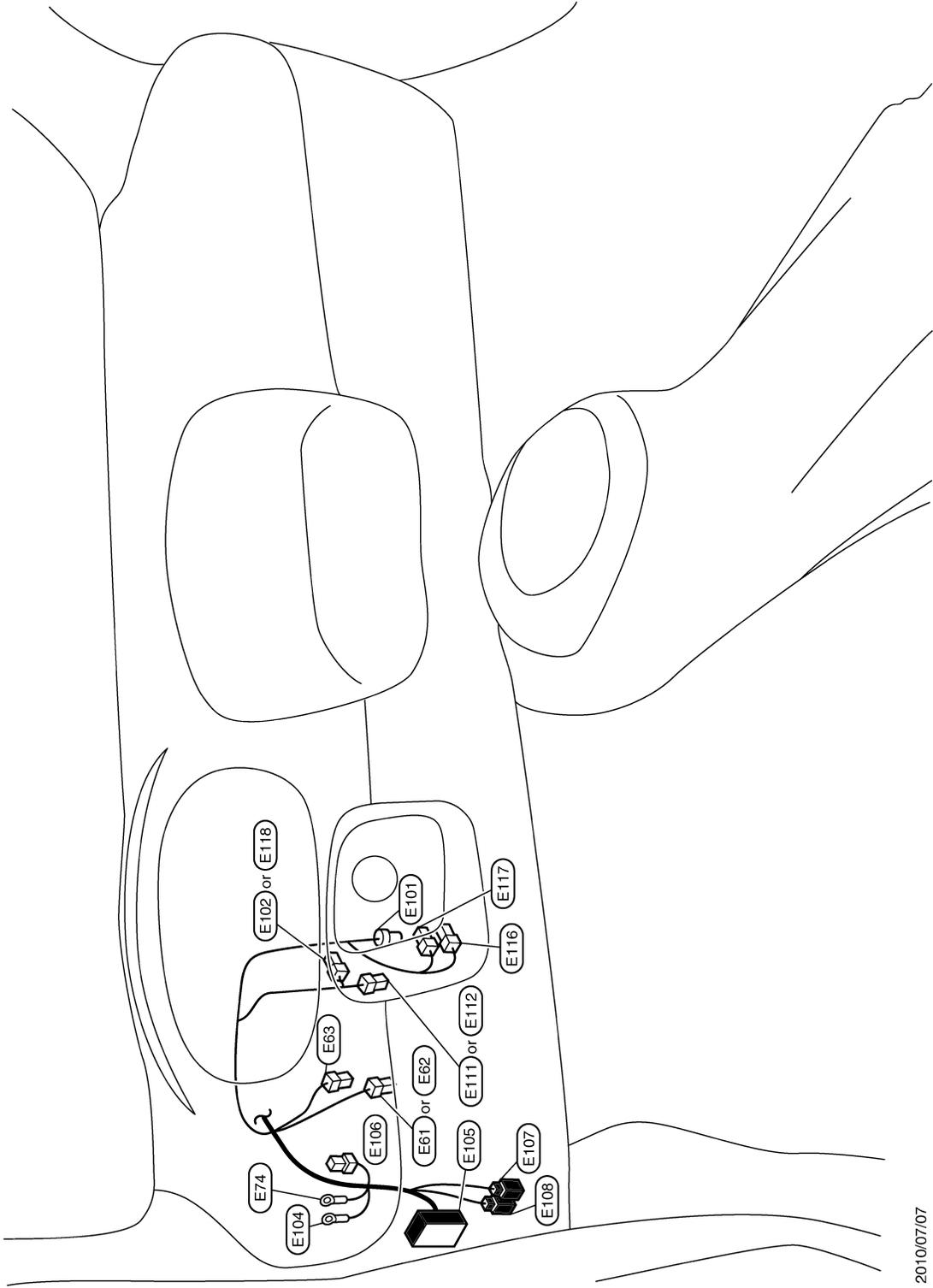
JCMIA0777GB

HARNES LAYOUT

< WIRING DIAGRAM >

PASSENGER COMPARTMENT

Passenger Compartment (LHD MODELS)



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HARNES LAYOUT

< WIRING DIAGRAM >

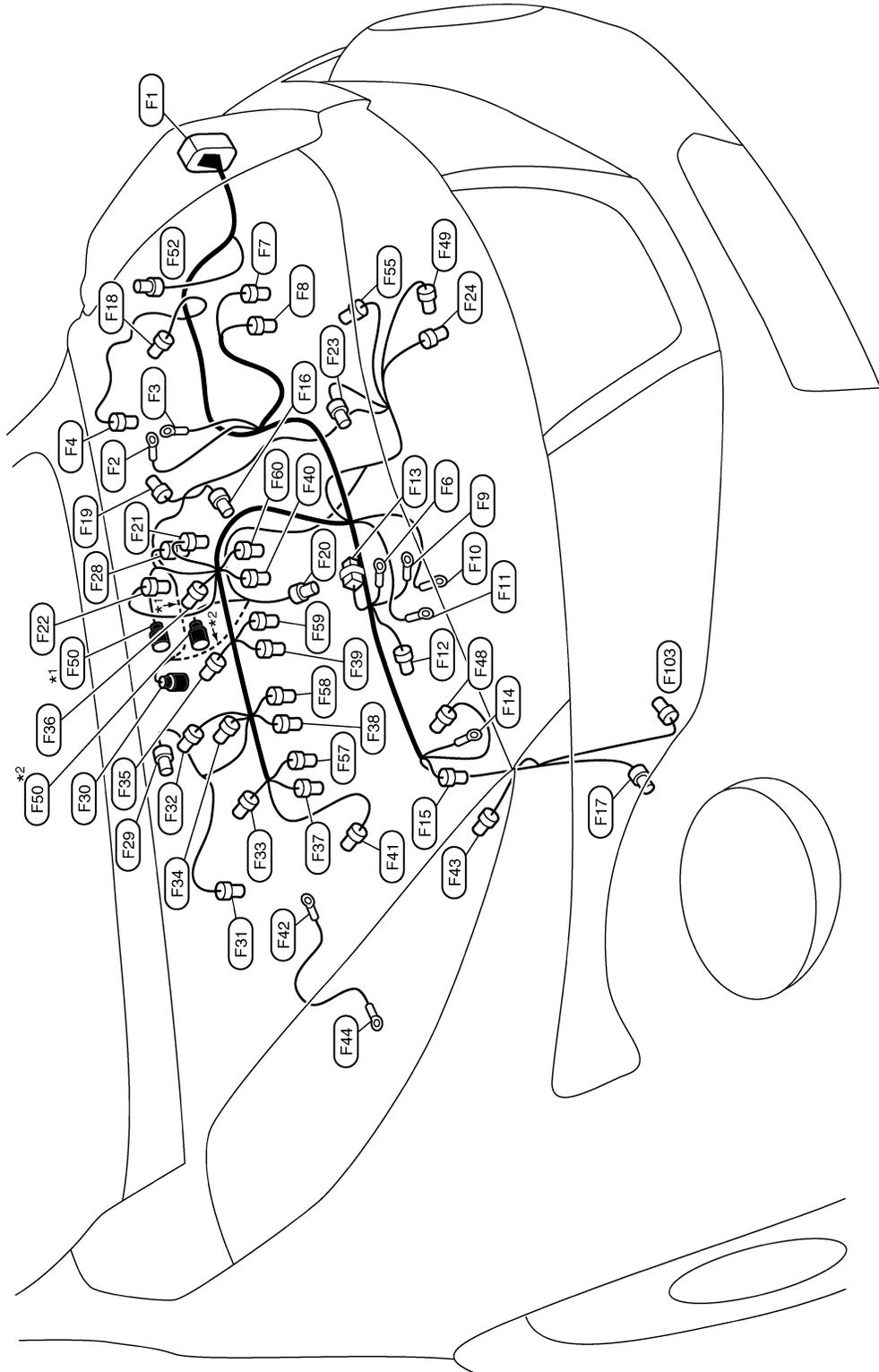
LHD : Engine Control Harness

INFOID:000000006484282

HR ENGINE

ENGINE CONTROL HARNESS (HR ENGINE) (LHD MODELS)

*1: CVT
*2: M/T



2010/07/07

JCMIA0779GB

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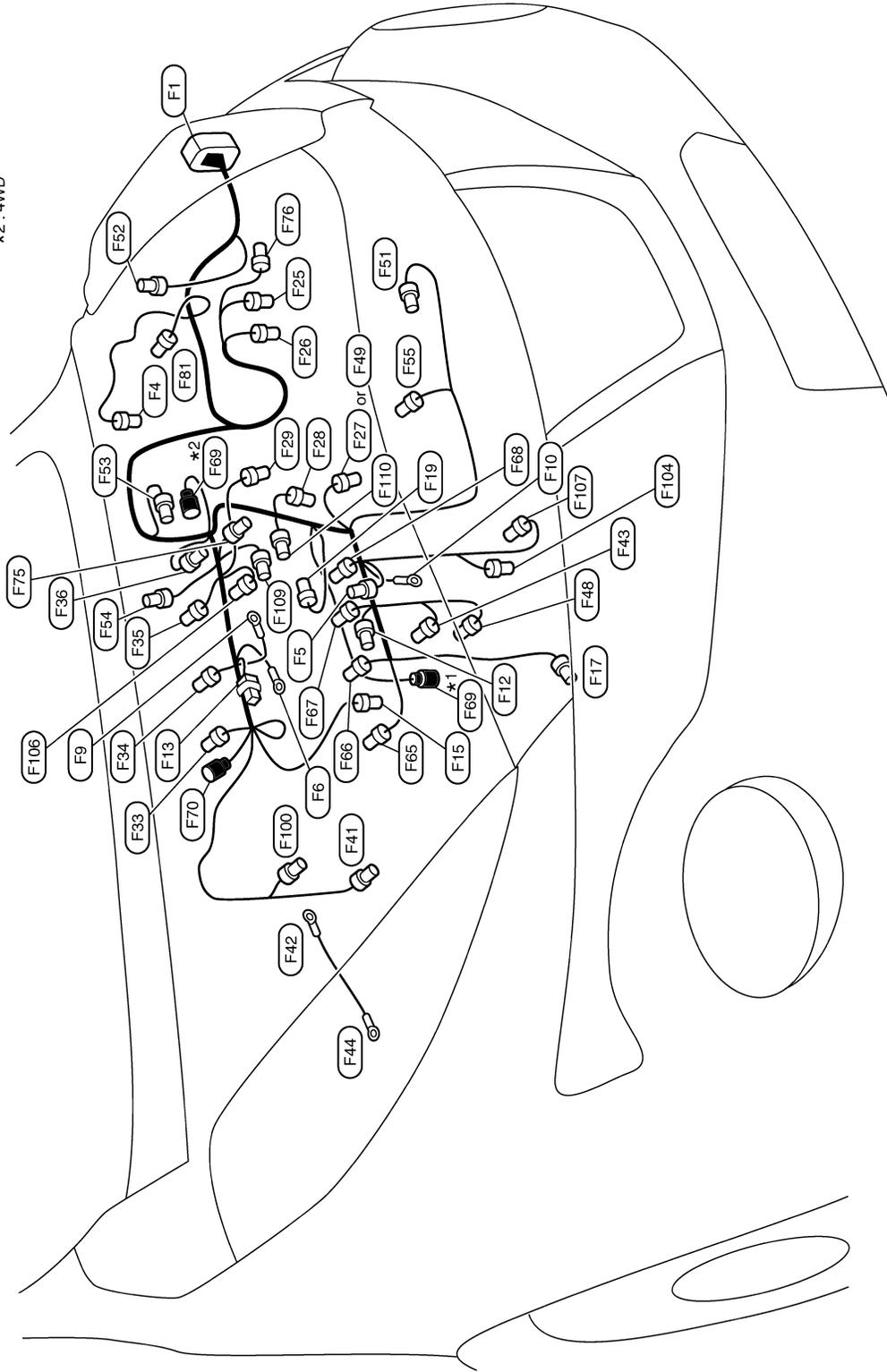
HARNES LAYOUT

< WIRING DIAGRAM >

MR ENGINE

ENGINE CONTROL HARNESS (MR ENGINE) (LHD MODELS)

*1 : 2WD
*2 : 4WD



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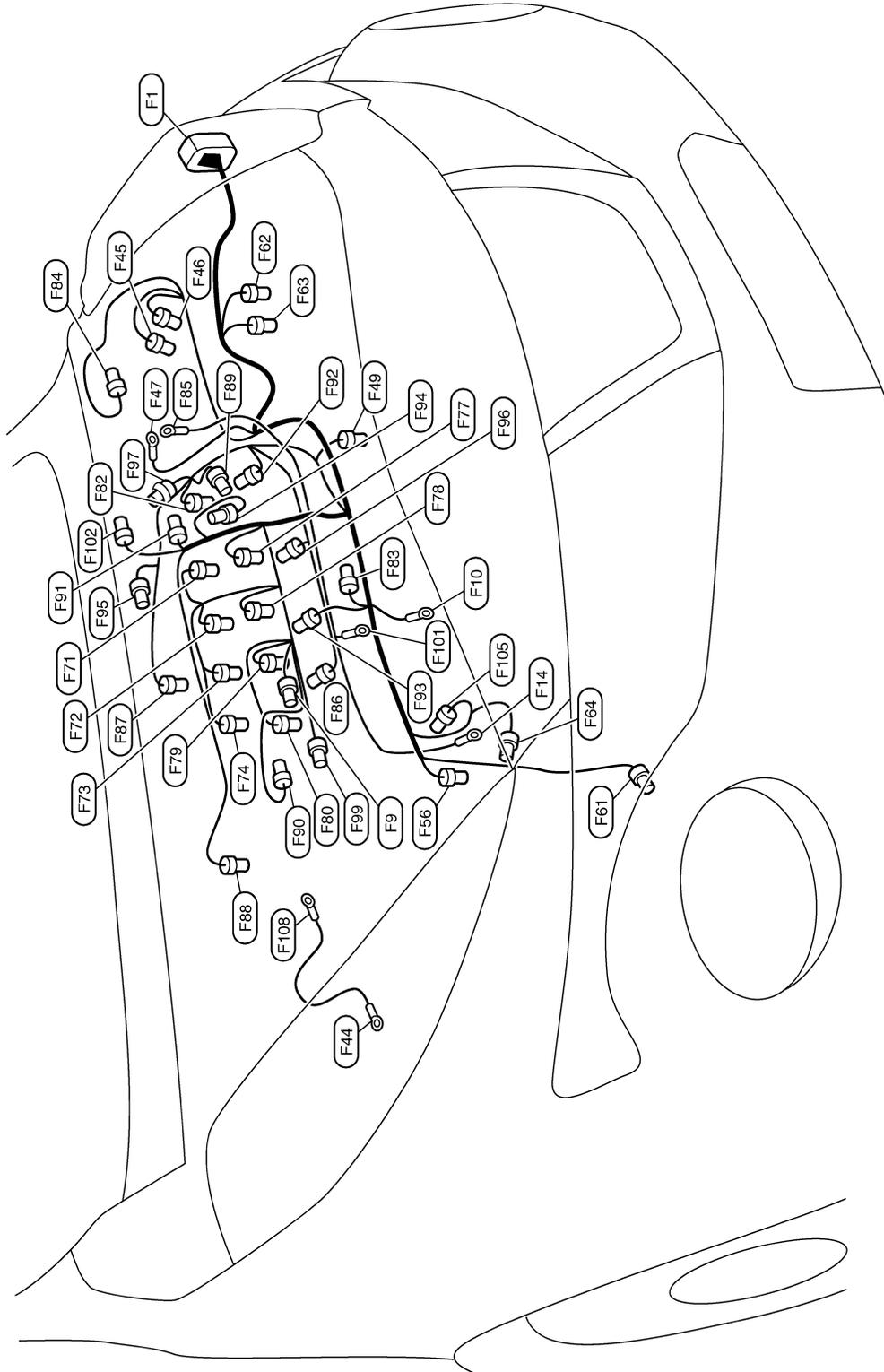
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HARNES LAYOUT

< WIRING DIAGRAM >

K9K ENGINE

ENGINE CONTROL HARNESS (K9K ENGINE) (LHD MODELS)



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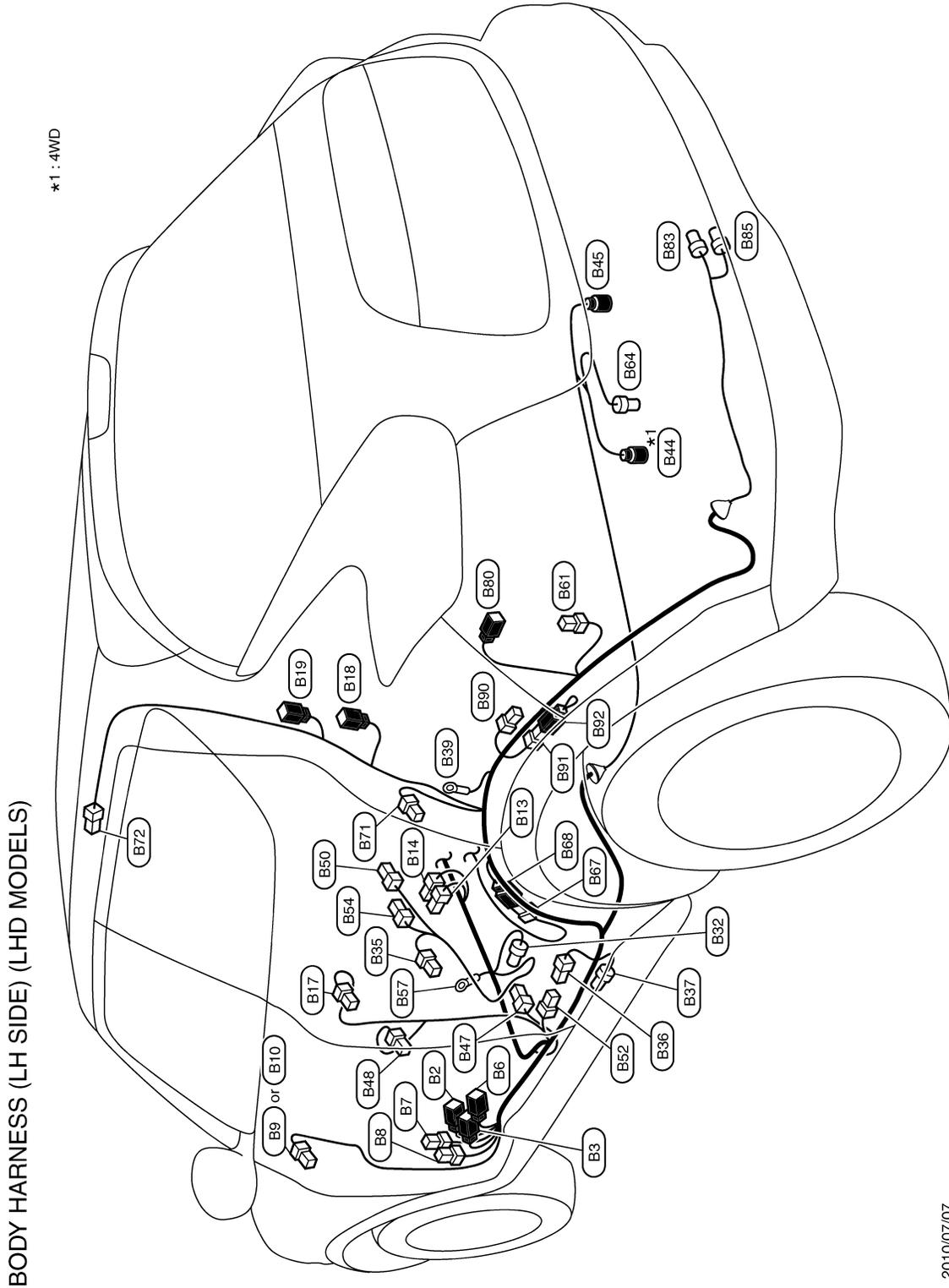
HARNES LAYOUT

< WIRING DIAGRAM >

LHD : Body Harness

INFOID:000000006484284

LH SIDE



BODY HARNESS (LH SIDE) (LHD MODELS)

*1 : 4WD

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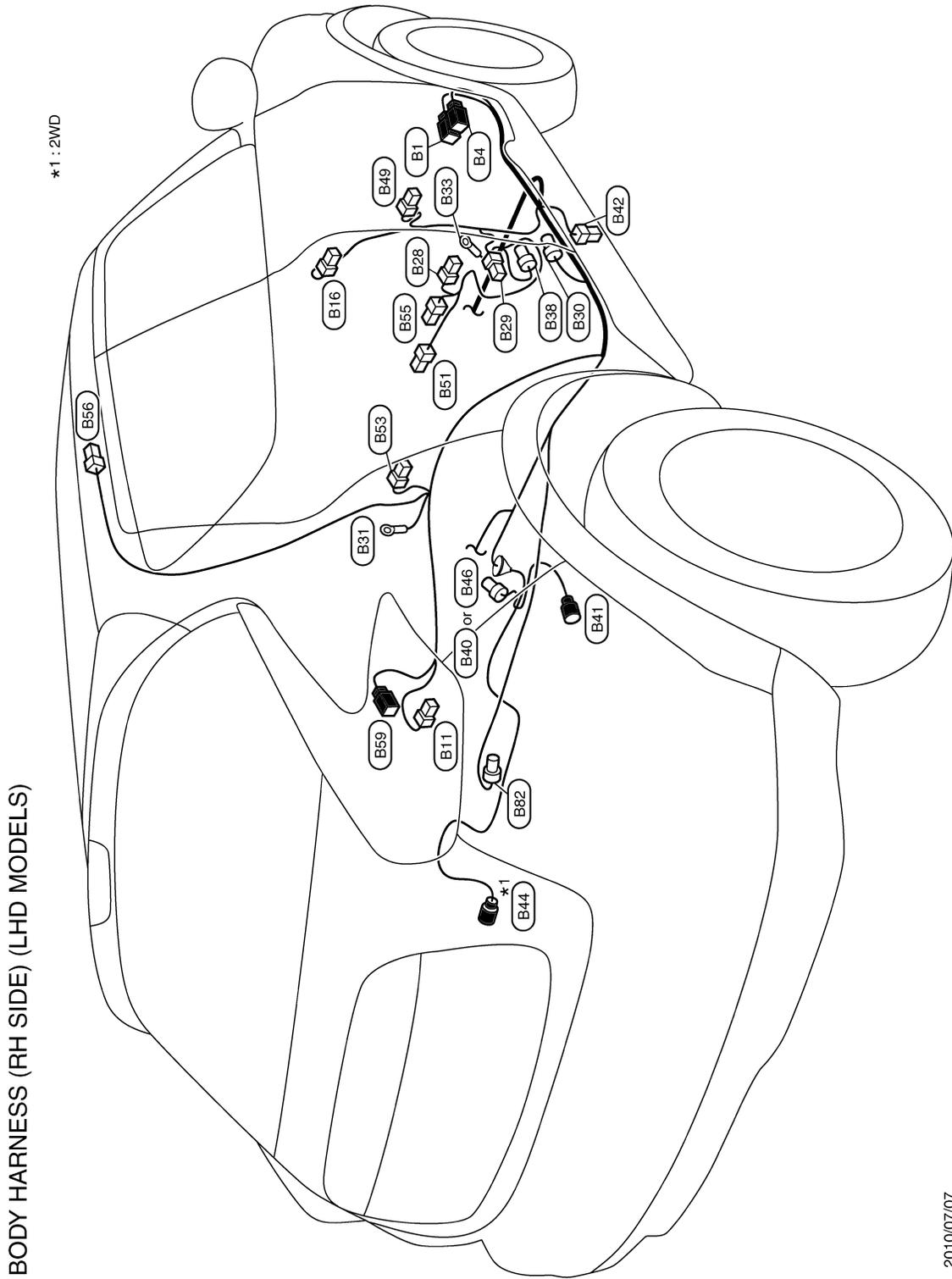
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JCMIA0783GB

HARNES LAYOUT

< WIRING DIAGRAM >

RH SIDE



BODY HARNESS (RH SIDE) (LHD MODELS)

*1 : 2WD

2010/07/07

JCMIA0784GB

HARNES LAYOUT

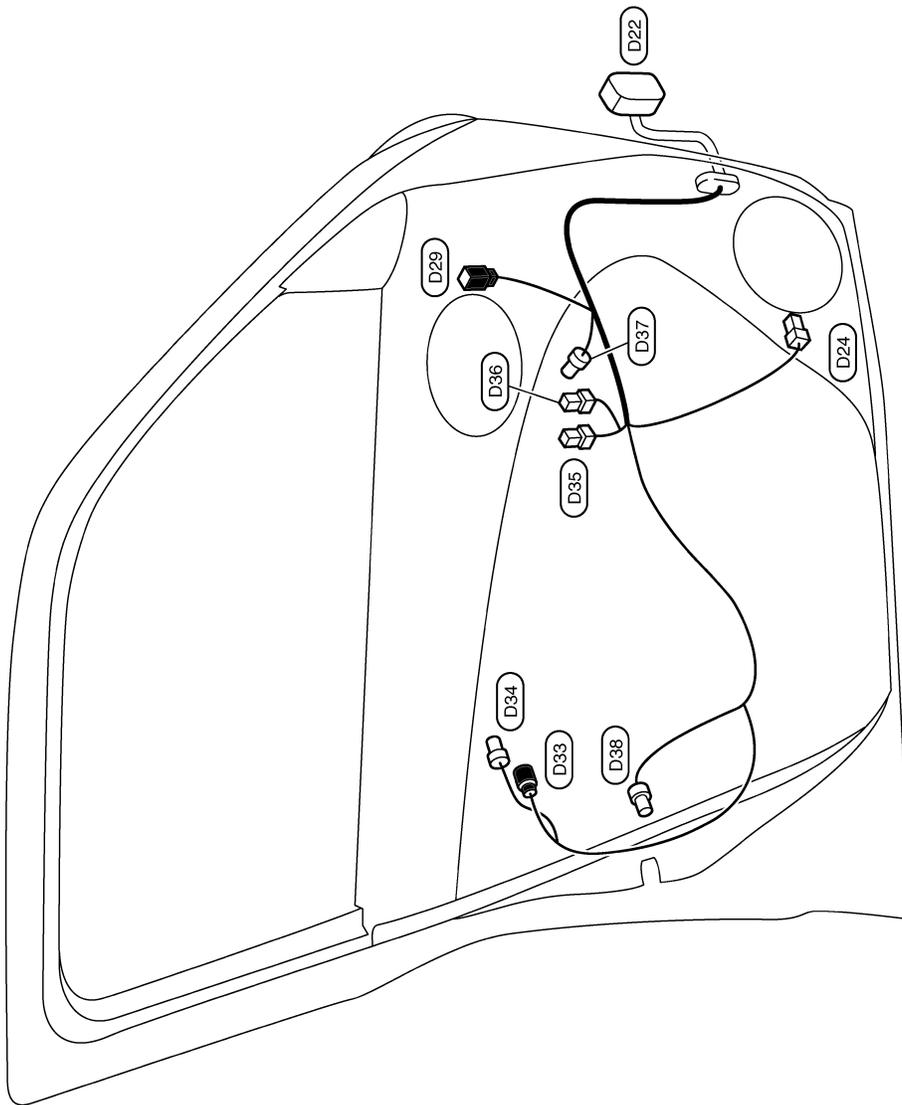
< WIRING DIAGRAM >

LHD : Door Harness

INFOID:000000006484286

FRONT DOOR HARNESS (LH SIDE)

FRONT DOOR HARNESS (LH SIDE) (LHD MODELS)



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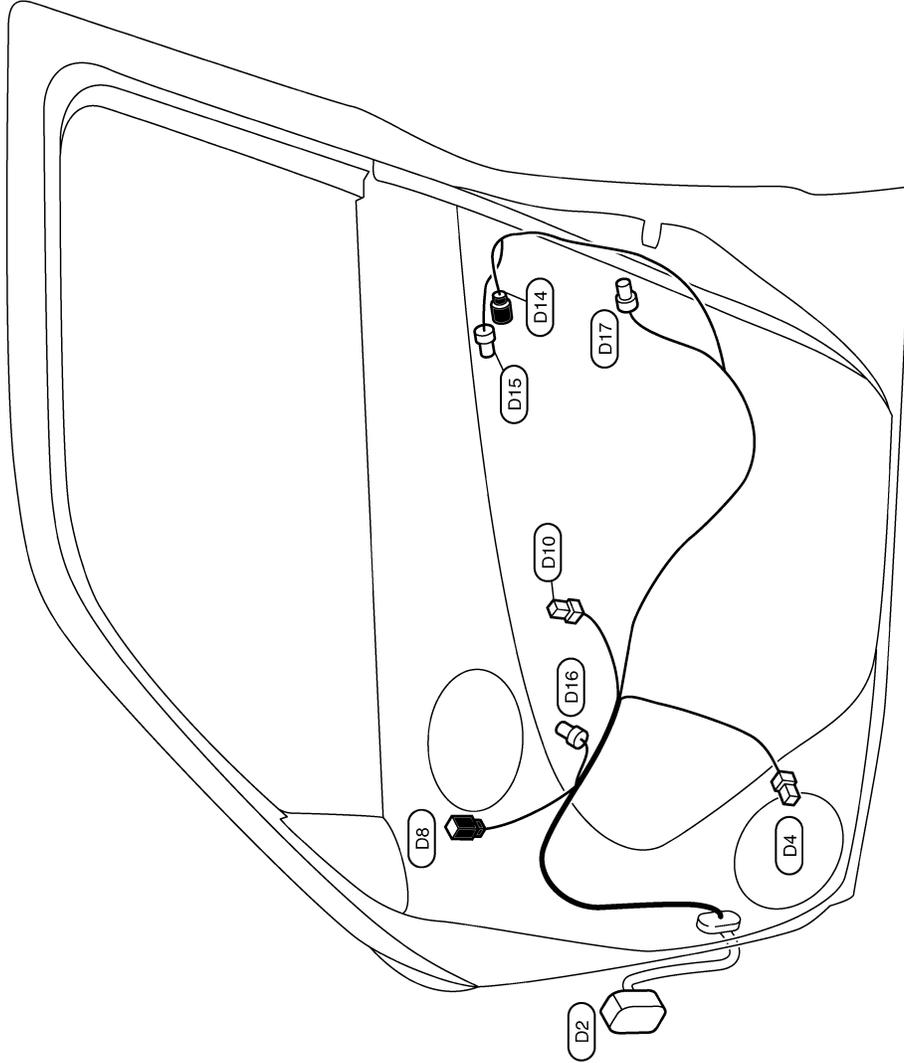
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HARNES LAYOUT

< WIRING DIAGRAM >

FRONT DOOR HARNESS (RH SIDE)

FRONT DOOR HARNESS (RH SIDE) (LHD MODELS)



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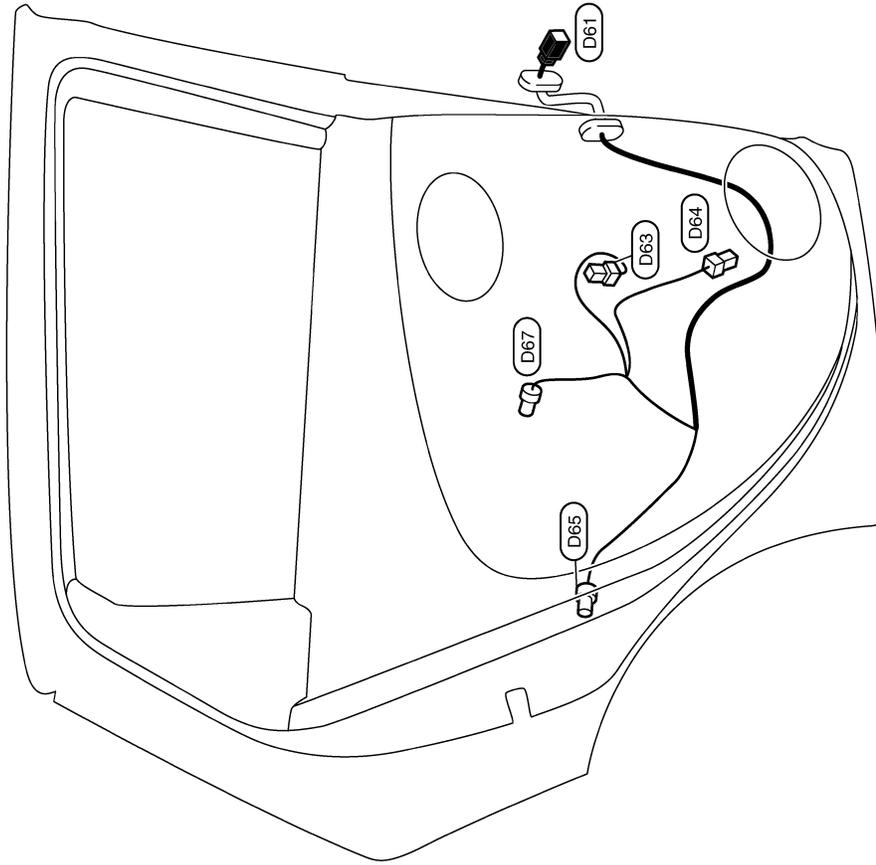
JCMIA0786GB

HARNES LAYOUT

< WIRING DIAGRAM >

REAR DOOR HARNES (LH SIDE)

REAR DOOR HARNES (LH SIDE) (LHD MODELS)



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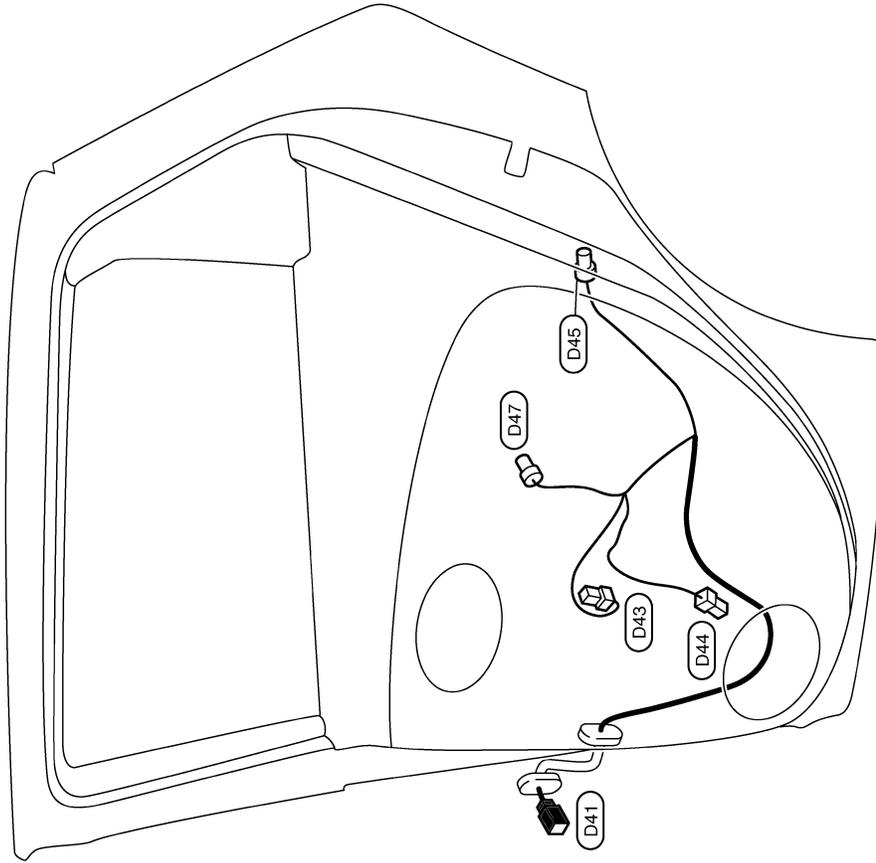
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HARNES LAYOUT

< WIRING DIAGRAM >

REAR DOOR HARNES (RH SIDE)

REAR DOOR HARNES (RH SIDE) (LHD MODELS)



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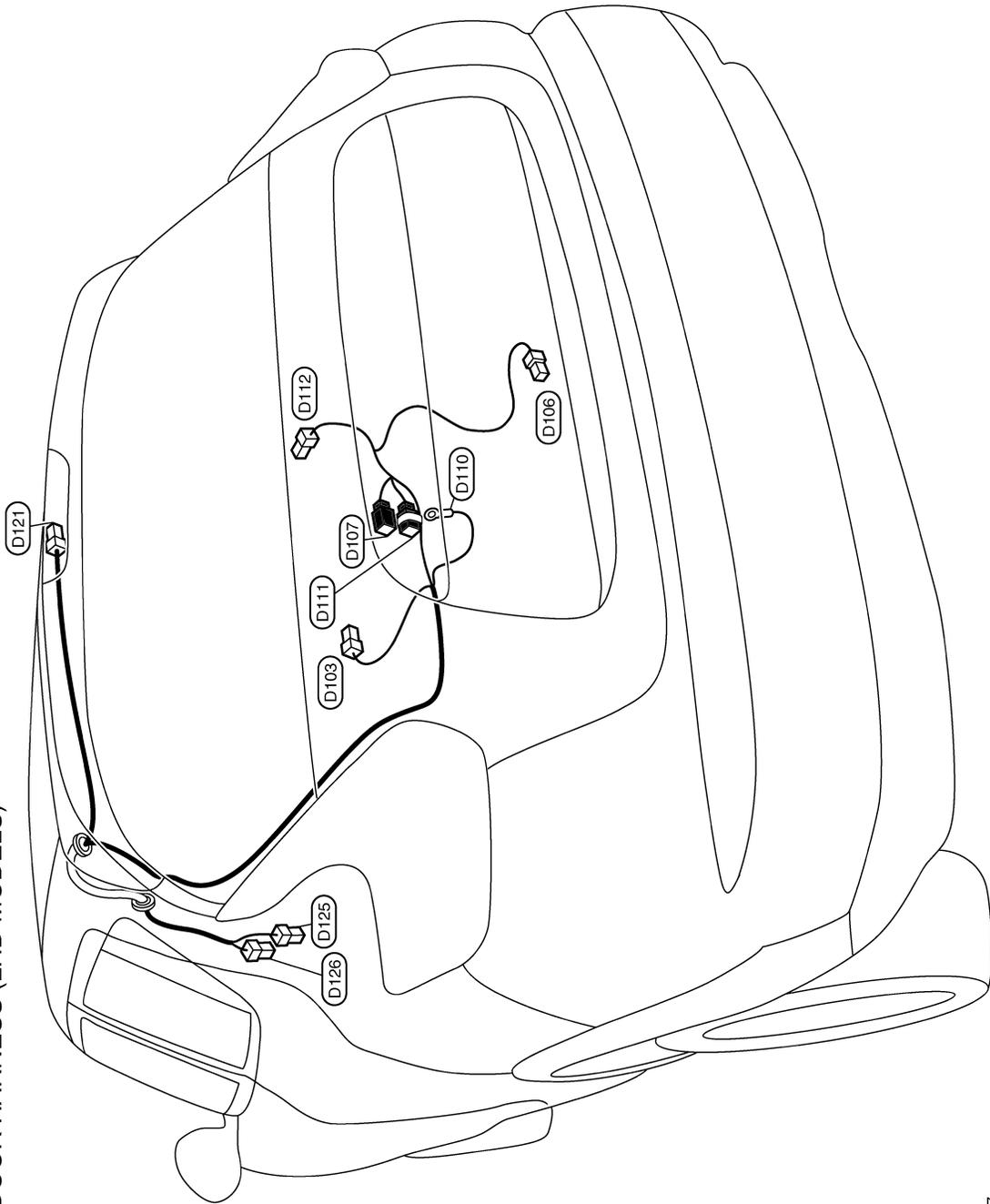
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HARNES LAYOUT

< WIRING DIAGRAM >

BACK DOOR HARNESS

BACK DOOR HARNESS (LHD MODELS)



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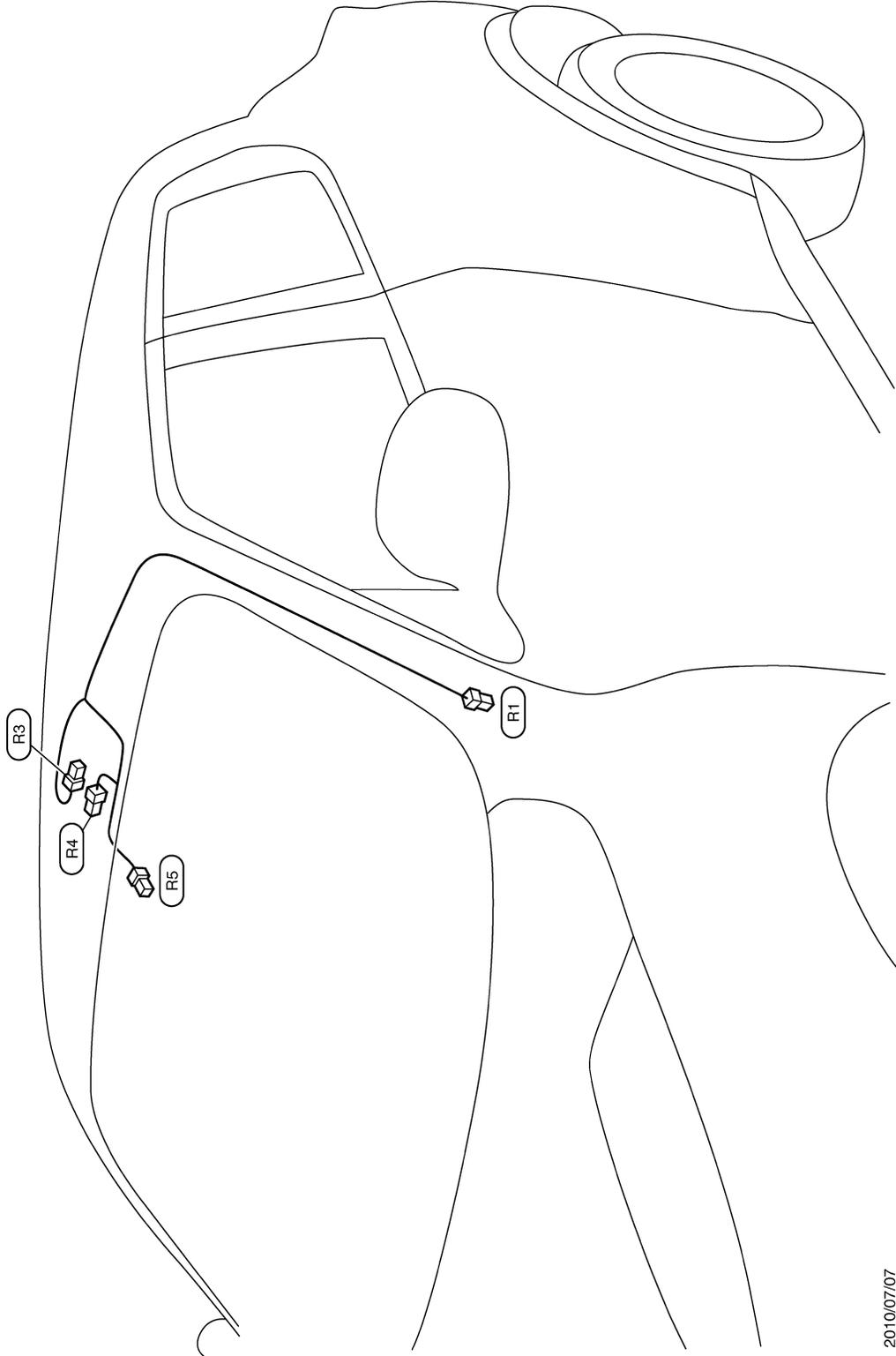
HARNES LAYOUT

< WIRING DIAGRAM >

LHD : Room Lamp Harness

INFOID:000000006484287

ROOM LAMP HARNESS (LHD MODELS)



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RHD

RHD : How To Read Harness Layout

INFOID:000000006658038

CONNECTOR SYMBOL

HARNESS LAYOUT

< WIRING DIAGRAM >

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

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

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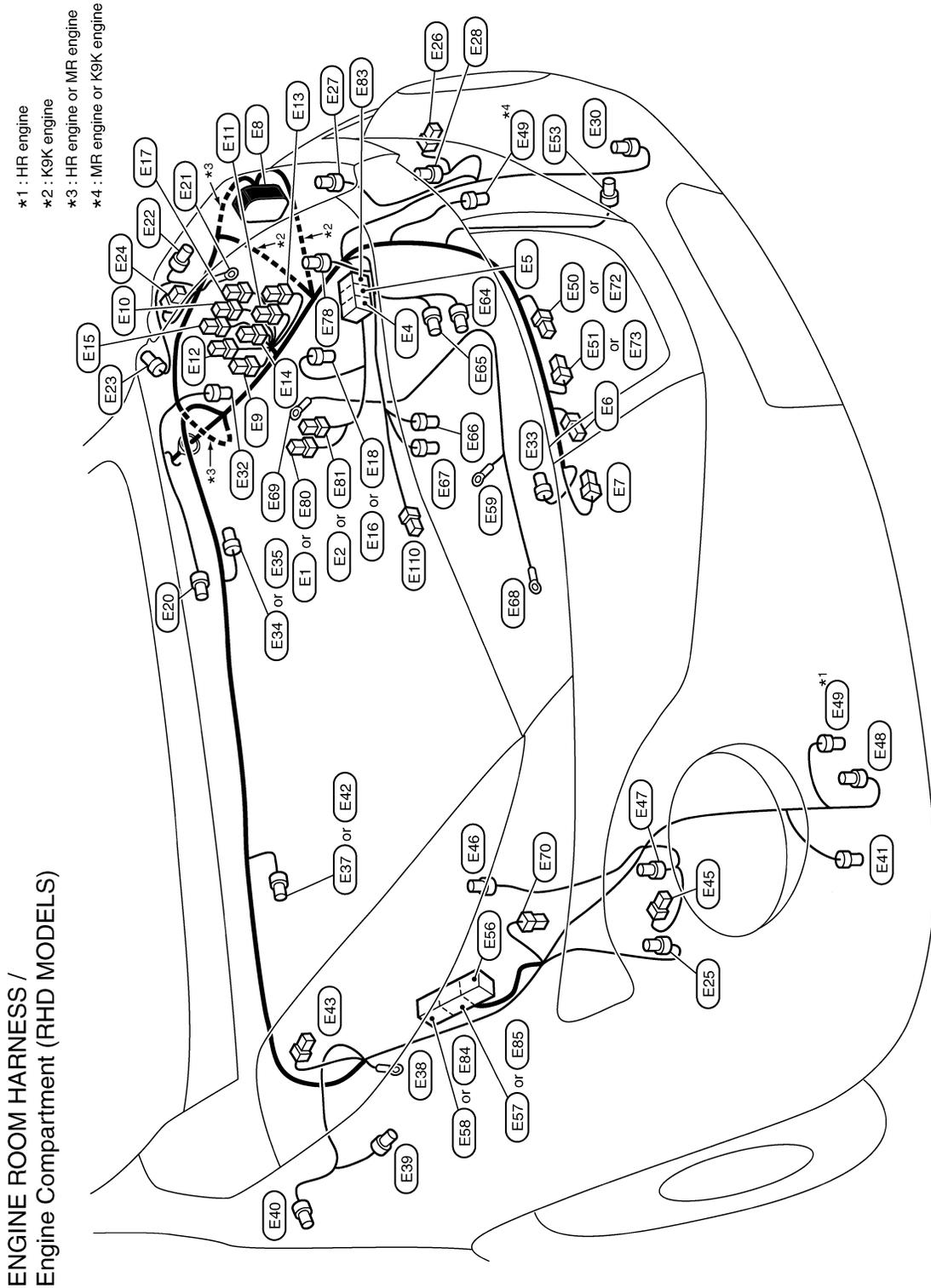
HARNES LAYOUT

< WIRING DIAGRAM >

RHD : Engine Room Harness

INFOID:000000006658039

ENGINE COMPARTMENT



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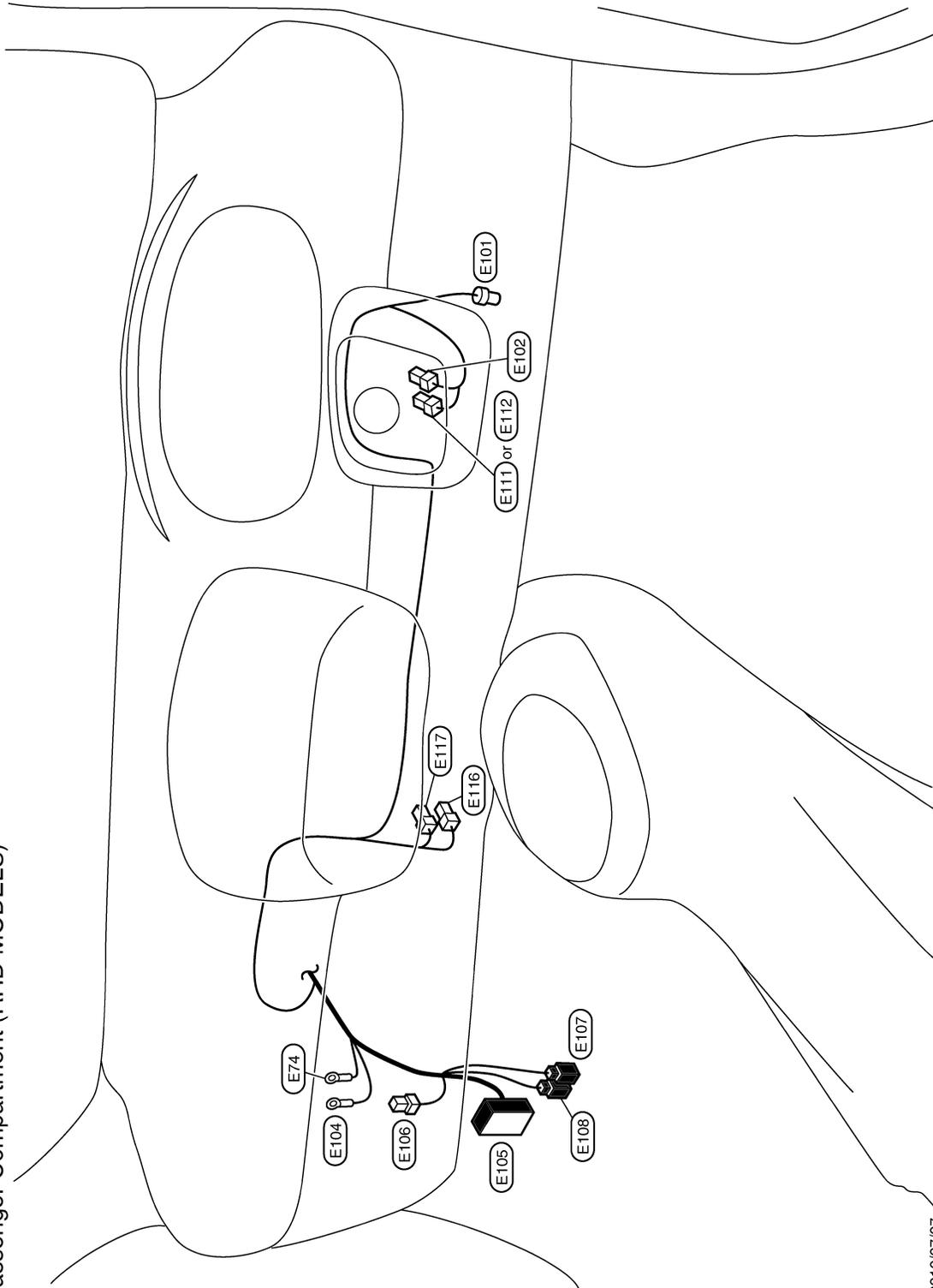
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HARNES LAYOUT

< WIRING DIAGRAM >

PASSENGER COMPARTMENT

Passenger Compartment (RHD MODELS)



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HARNES LAYOUT

< WIRING DIAGRAM >

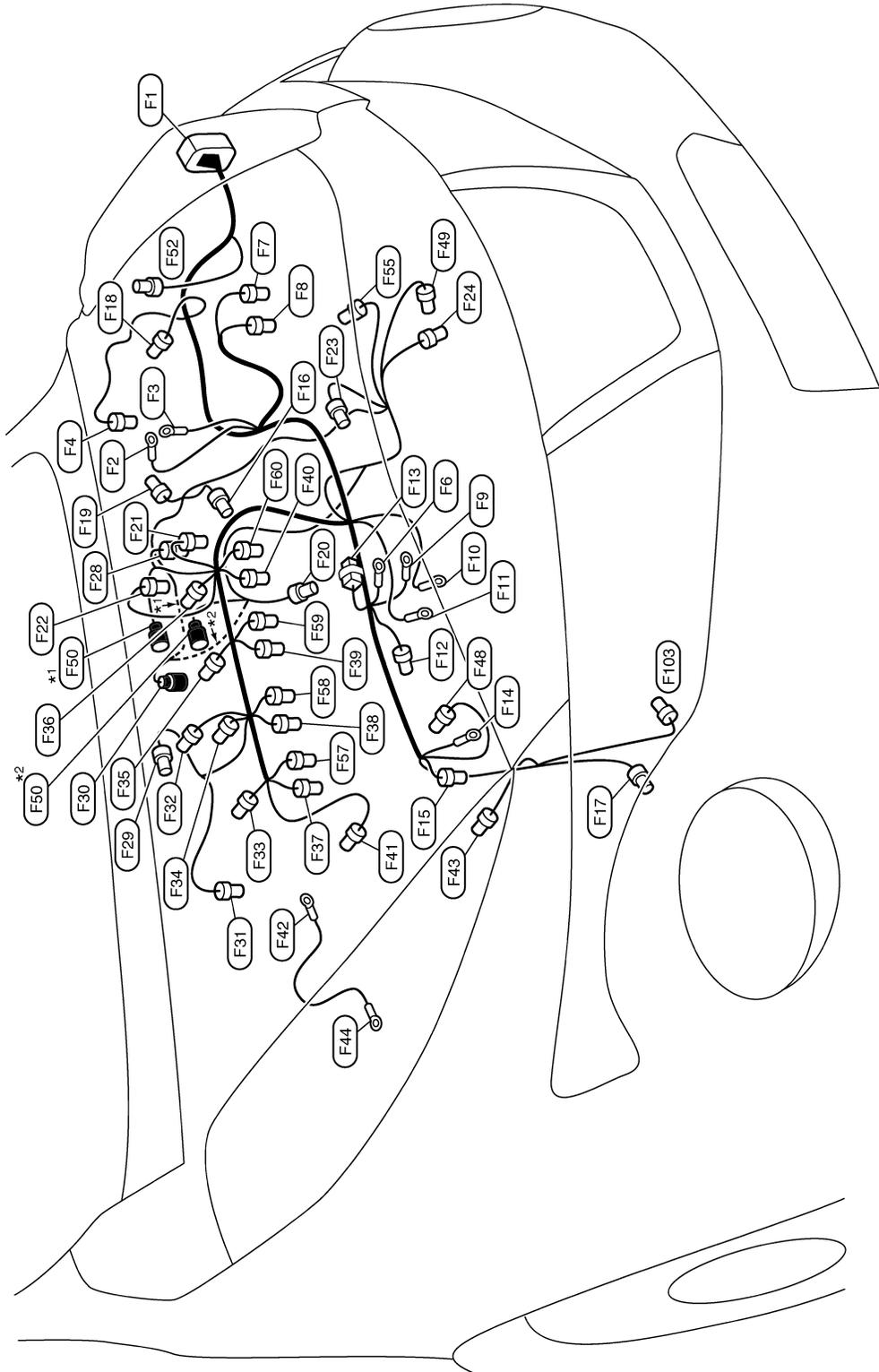
RHD : Engine Control Harness

INFOID:00000006658040

HR ENGINE

ENGINE CONTROL HARNESS (HR ENGINE) (RHD MODELS)

*1: CVT
*2: M/T



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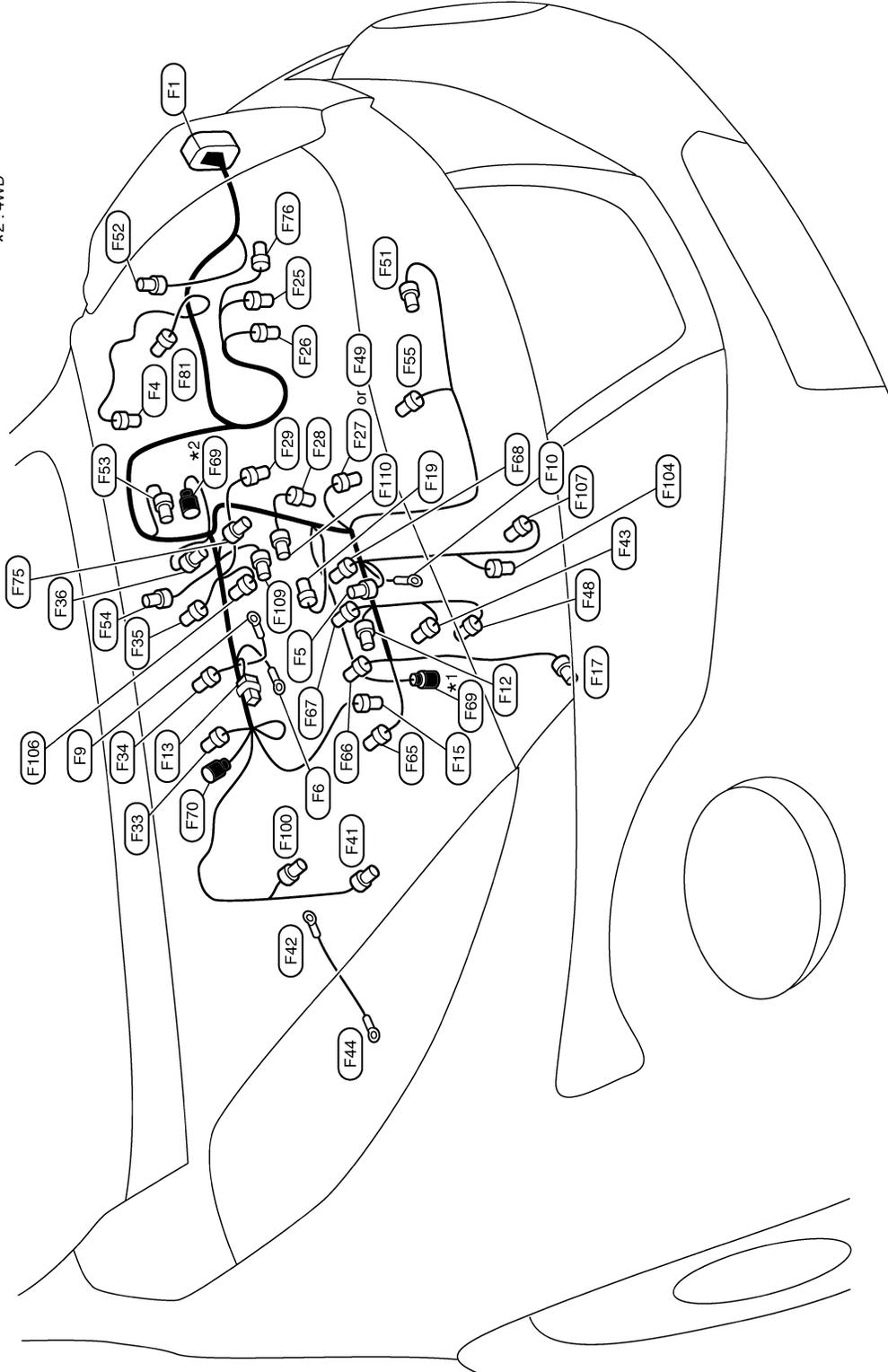
HARNES LAYOUT

< WIRING DIAGRAM >

MR ENGINE

ENGINE CONTROL HARNESS (MR ENGINE) (RHD MODELS)

*1 : 2WD
*2 : 4WD



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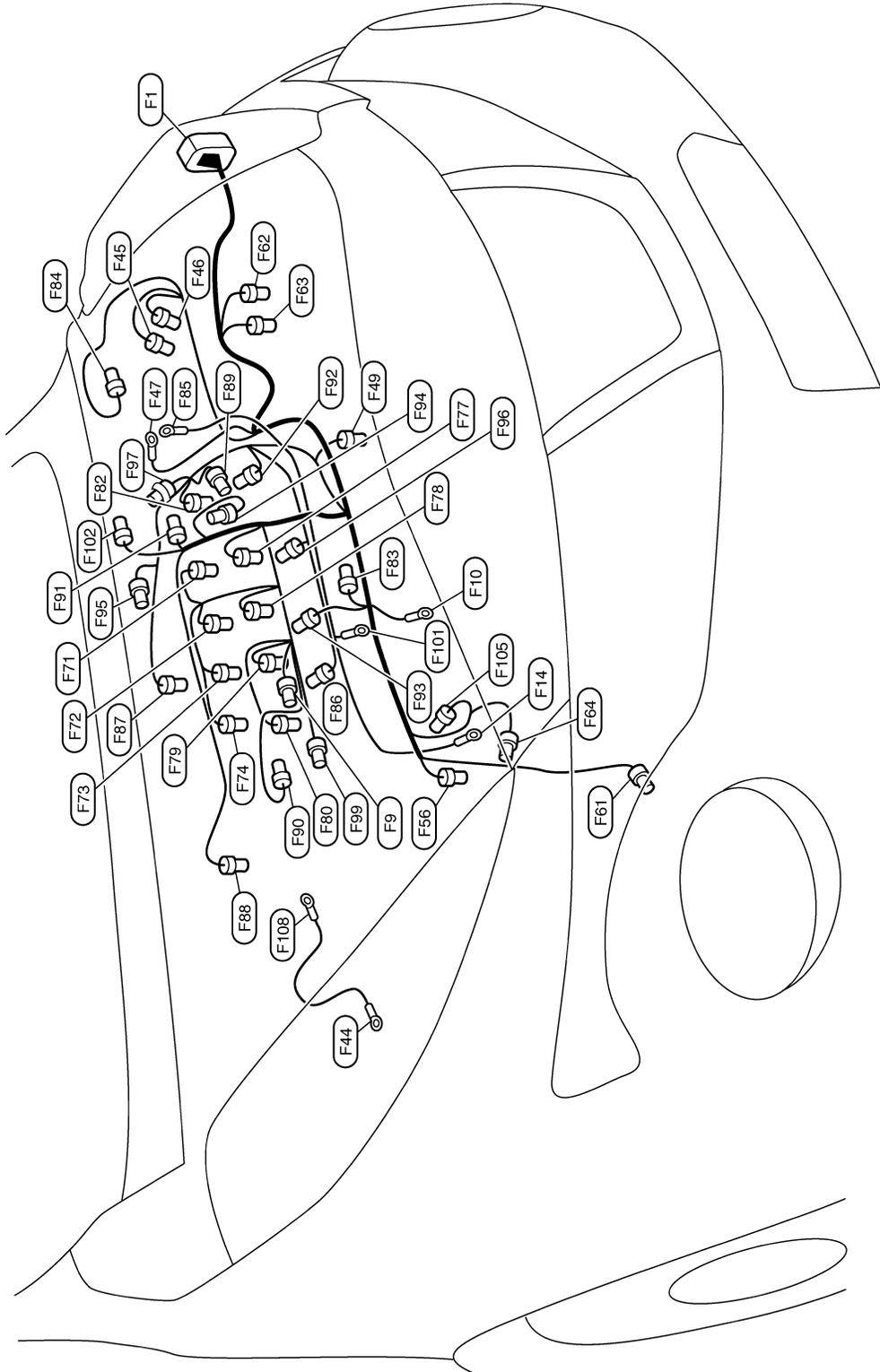
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HARNES LAYOUT

< WIRING DIAGRAM >

K9K ENGINE

ENGINE CONTROL HARNESS (K9K ENGINE) (RHD MODELS)



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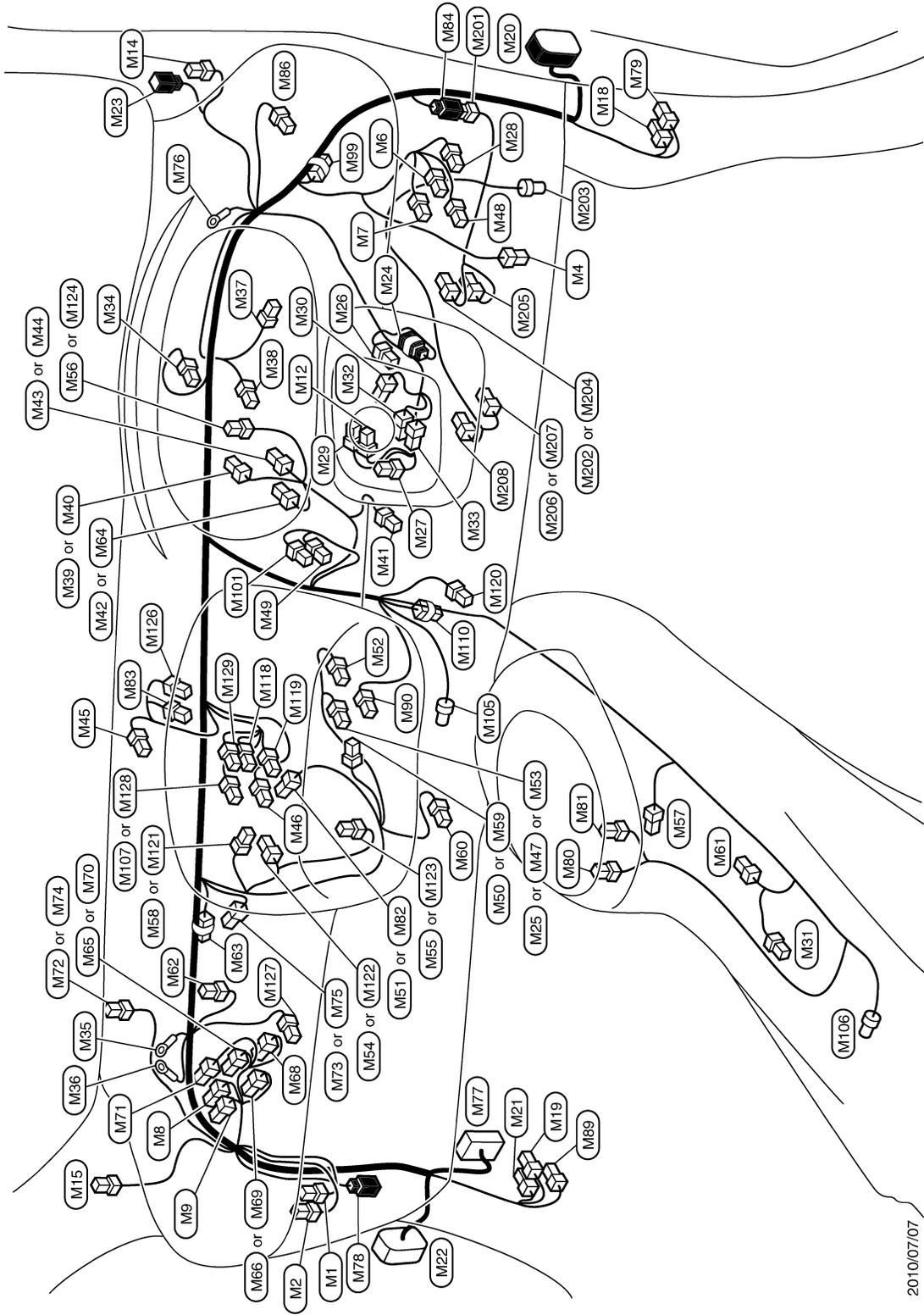
HARNESS LAYOUT

< WIRING DIAGRAM >

RHD : Main Harness

INFOID:000000006658041

MAIN HARNESS (RHD MODELS)



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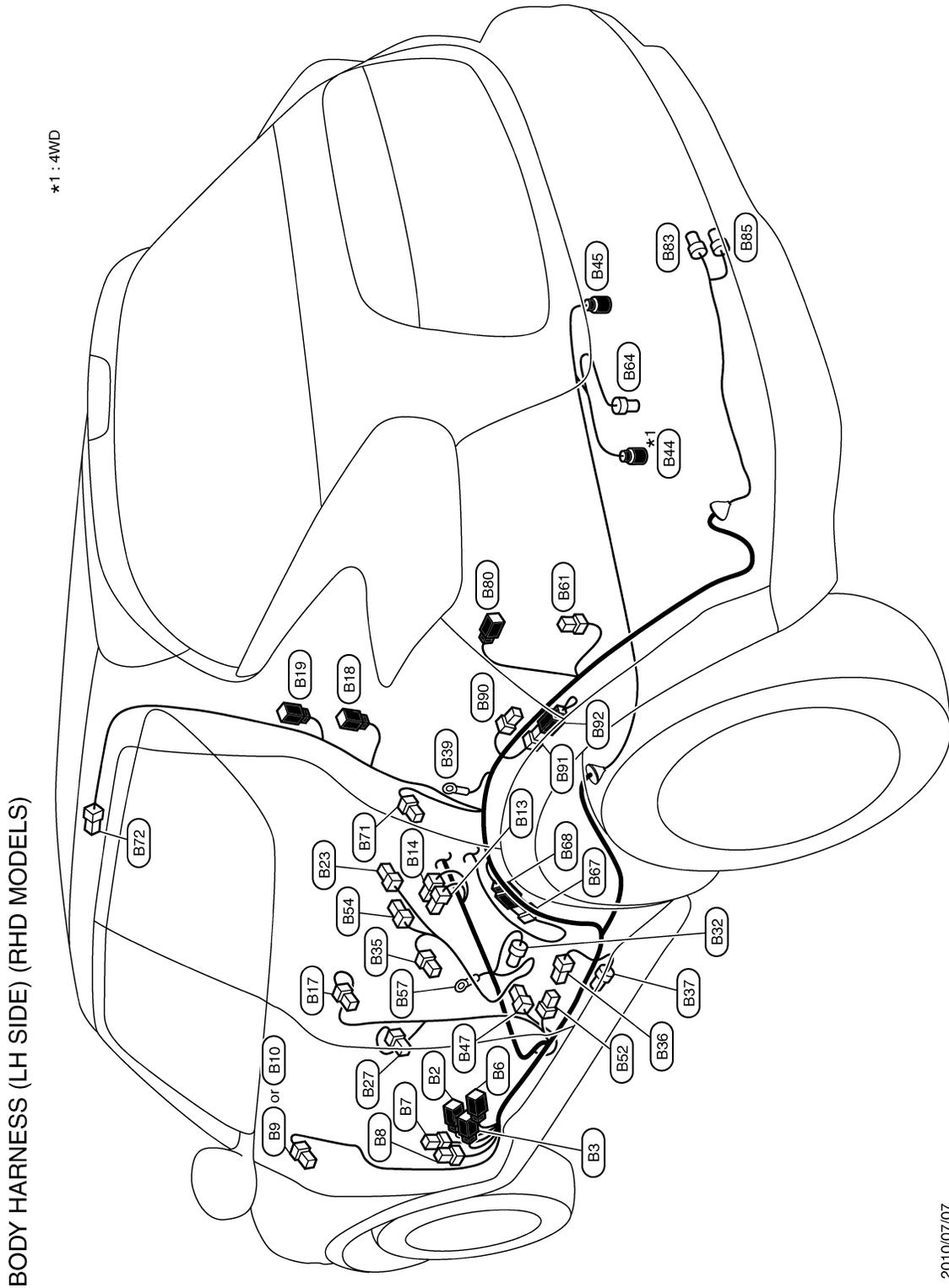
HARNES LAYOUT

< WIRING DIAGRAM >

RHD : Body Harness

INFOID:000000006658042

LH SIDE



BODY HARNESS (LH SIDE) (RHD MODELS)

2010/07/07

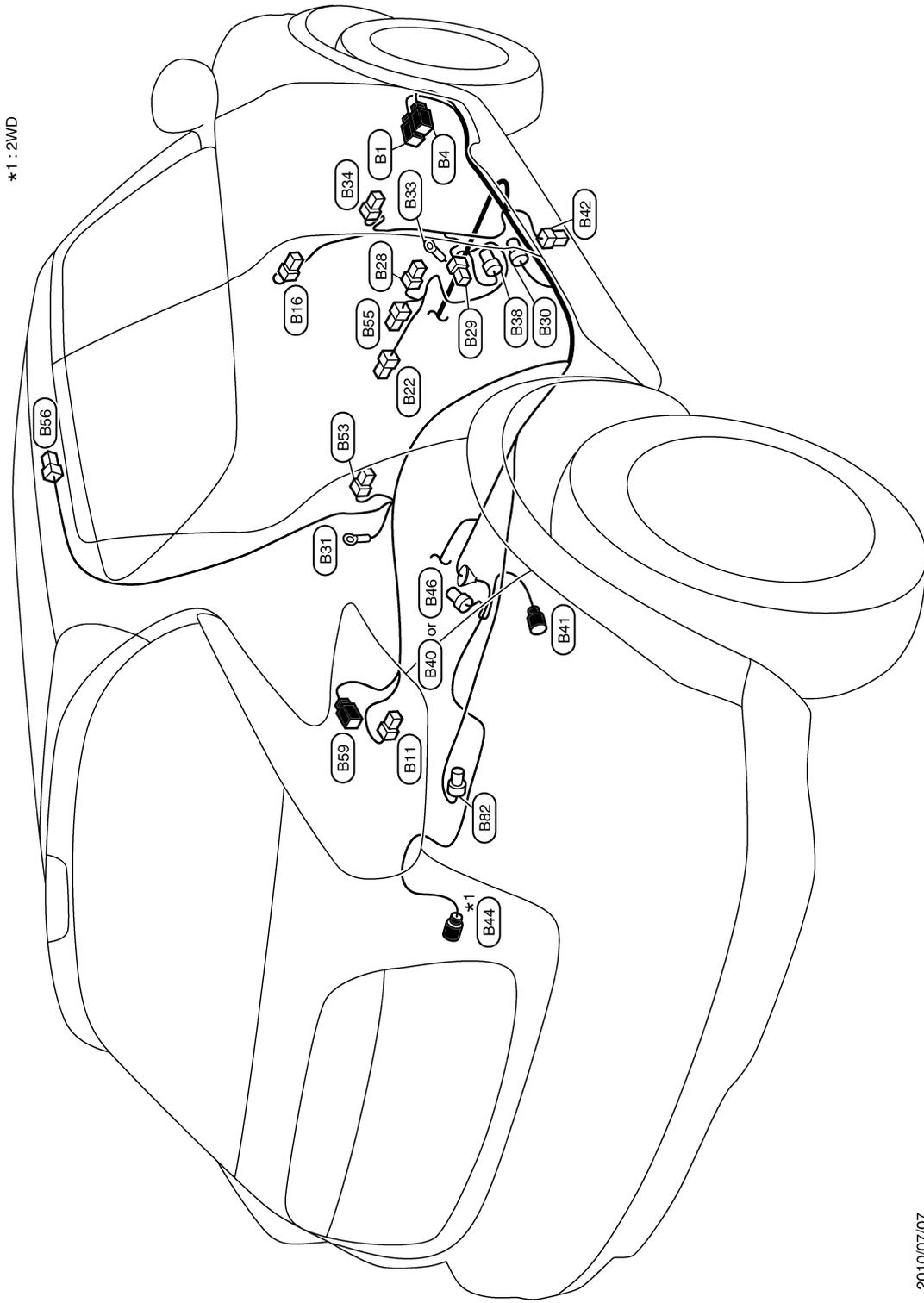
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HARNES LAYOUT

< WIRING DIAGRAM >

RH SIDE

BODY HARNES (RH SIDE) (RHD MODELS)



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HARNES LAYOUT

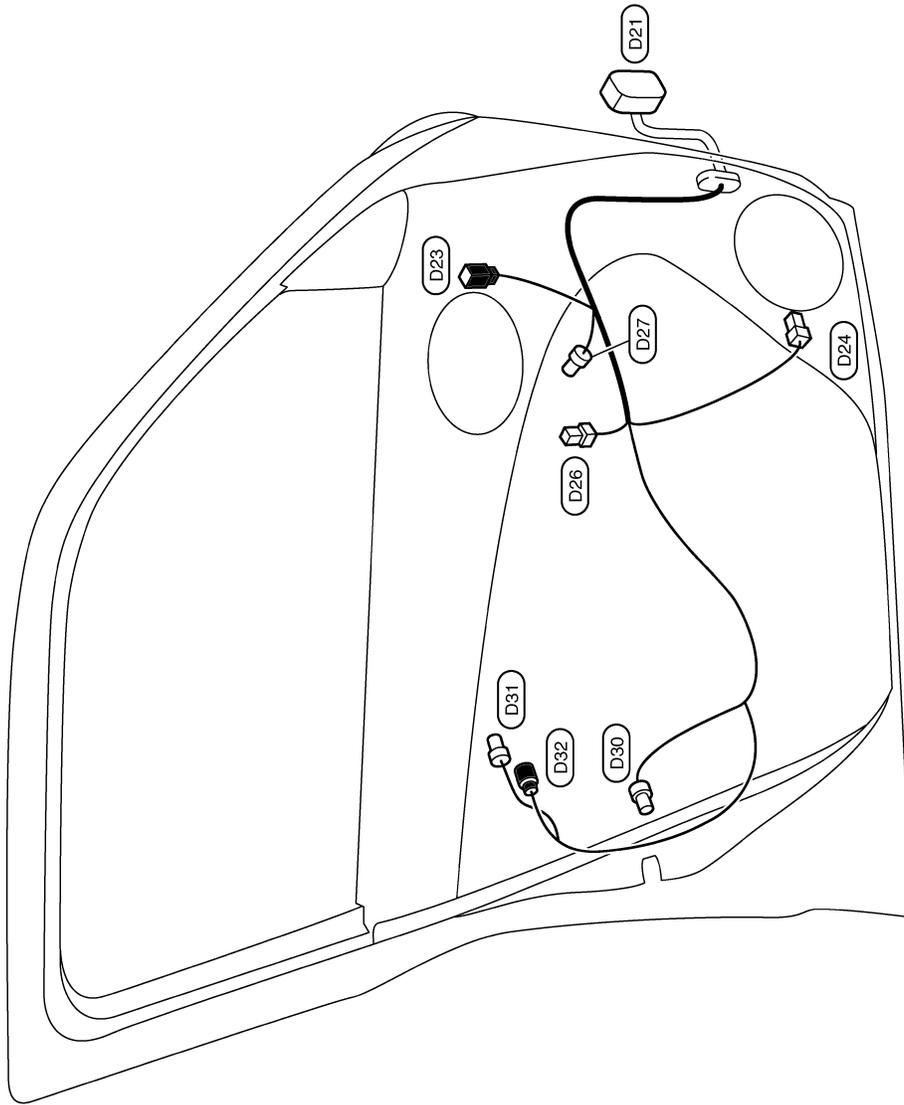
< WIRING DIAGRAM >

RHD : Door Harness

INFOID:000000006658043

FRONT DOOR HARNESS (LH SIDE)

FRONT DOOR HARNESS (LH SIDE) (RHD MODELS)



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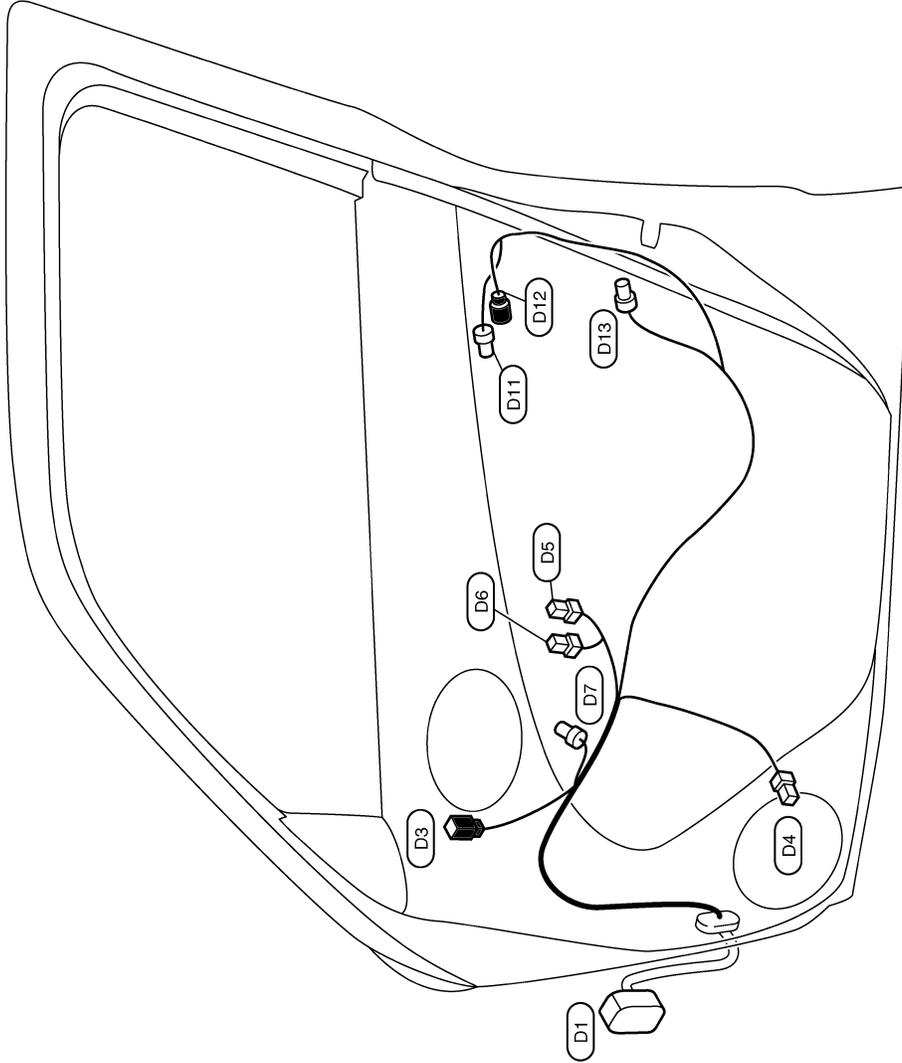
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HARNES LAYOUT

< WIRING DIAGRAM >

FRONT DOOR HARNES (RH SIDE)

FRONT DOOR HARNES (RH SIDE) (RHD MODELS)



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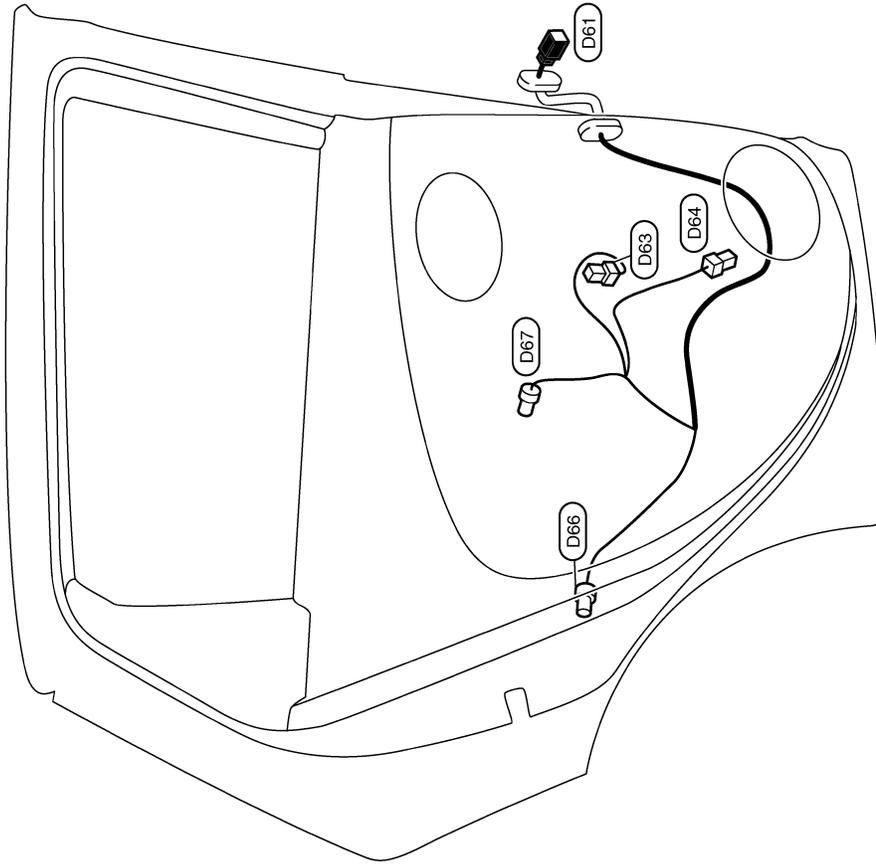
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HARNES LAYOUT

< WIRING DIAGRAM >

REAR DOOR HARNES (LH SIDE)

REAR DOOR HARNES (LH SIDE) (RHD MODELS)



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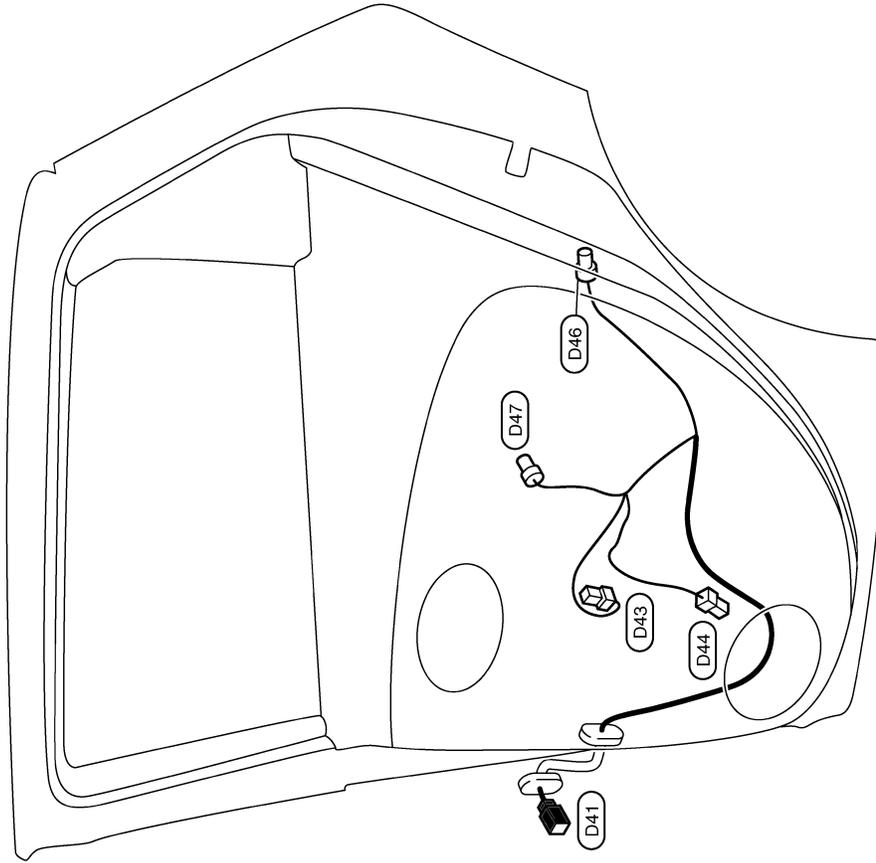
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HARNES LAYOUT

< WIRING DIAGRAM >

REAR DOOR HARNES (RH SIDE)

REAR DOOR HARNES (RH SIDE) (RHD MODELS)



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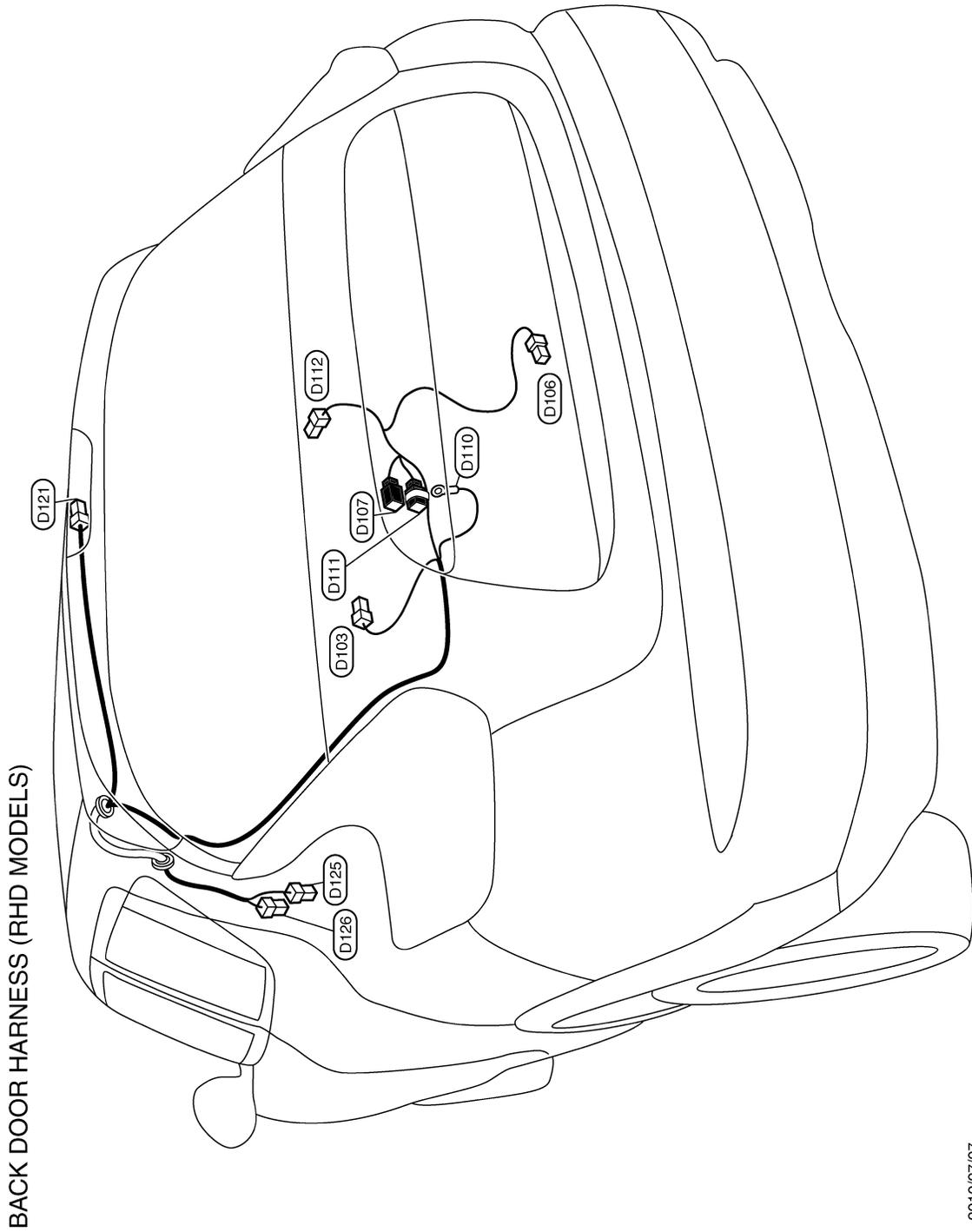
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HARNES LAYOUT

< WIRING DIAGRAM >

BACK DOOR HARNESS



BACK DOOR HARNESS (RHD MODELS)

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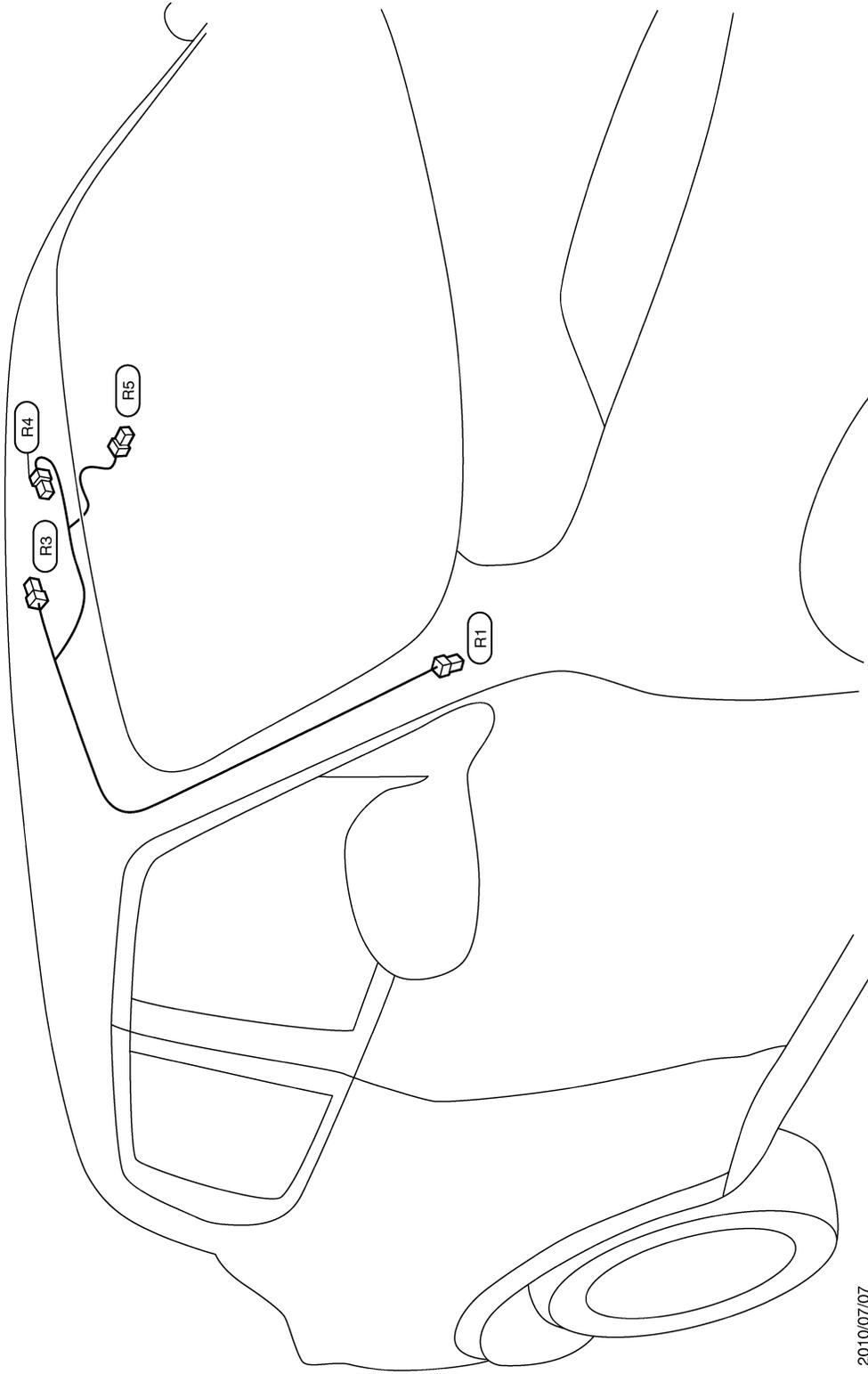
HARNES LAYOUT

< WIRING DIAGRAM >

RHD : Room Lamp Harness

INFOID:000000006658044

ROOM LAMP HARNESS (RHD MODELS)



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CONNECTOR INFORMATION

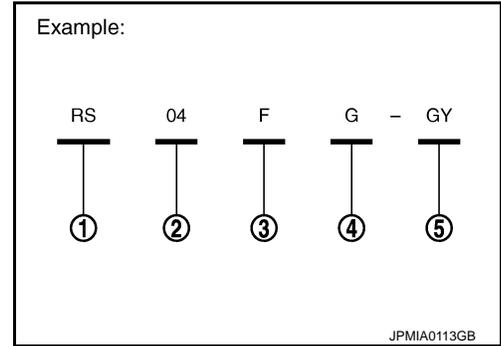
< WIRING DIAGRAM >

CONNECTOR INFORMATION

How to Read Connector Type

INFOID:000000006484288

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



CONNECTOR INFORMATION

< WIRING DIAGRAM >

B Body Harness

INFOID:000000006484289

BODY HARNESS

Connector No.	B1
Connector Name	WIRE TO WIRE
Connector Type	INS16MW-CS



1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16					

Terminal No.	Color of Wire	Signal Name [Specification]
1	P	-
2	GR	-
6	SB	-
7	G	-
8	V	-
10	W	-
11	LG	-
12	GR	-
13	GR	-
14	Y	-
15	LG	-
16	L	-

Connector No.	B2
Connector Name	WIRE TO WIRE
Connector Type	INS16MW-CS



1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16					

Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
2	L	-
4	Y	-
6	G	-
7	V	-
8	V	-
10	V	-
11	W	-
12	R	-
13	R	-

14	P	-
15	L	-
16	G	-

Connector No.	B3
Connector Name	WIRE TO WIRE
Connector Type	TH32MW-NH



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32

Terminal No.	Color of Wire	Signal Name [Specification]
13	W	-
14	B	-
15	L	-
16	BR	-
17	LG	-
18	W	-
19	G	-
20	Y	-
27	SHIELD	-
28	W	-
29	R	-
30	B	-
32	R	-

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



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

Terminal No.	Color of Wire	Signal Name [Specification]
4	R	-
5	BR	-
6	L	-
10	V	-

11	LG	-
12	SHIELD	-

Connector No.	B6
Connector Name	WIRE TO WIRE
Connector Type	MS2MW-LC



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

Connector No.	B7
Connector Name	WIRE TO WIRE
Connector Type	TH24FW-NH



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
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Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	W	-
3	V	-
4	GR	-
5	G	-
6	LG	-
7	R	-
8	R	-
9	BR	-
13	P	-
14	L	-
15	B	-
16	BR	-
17	L	-
18	P	-
19	B	-

20	G	-
21	W	-
22	R	-
23	SHIELD	-

Connector No.	B8
Connector Name	WIRE TO WIRE
Connector Type	NS5FW-CS



4	3	2	1
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Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	- [2WD models]
1	G	- [4WD models]
2	GR	-

Connector No.	B9
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	FEA09FB-FHA6-SA



41	42	43	44	45	46	47	48	49
50	51	52	53	54	55			

Terminal No.	Color of Wire	Signal Name [Specification]
41	LG	REAR WIPER STOP POSITION
42	LG	REAR RH DOOR SW
43	BR	REAR LH DOOR SW
44	SB	DRIVER DOOR SW
45	R	PASSENGER DOOR SW
47	P	BACK DOOR SW
48	W	TURN SIG RH OUTPUT
49	V	TURN SIG LH OUTPUT
50	GR	BK DOOR OPEN OUTPUT
51	G	REAR Fog LAMP OUTPUT
52	V	SUPER LOCK OUTPUT
53	P	REAR WIPER OUTPUT
55	L	LUGGAGE LAMP OUTPUT

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CONNECTOR INFORMATION

< WIRING DIAGRAM >

BODY HARNESS

Connector No.	B10
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	FE008FB-FH4G-SA



41	42	43	44	45	46	47	48	49
50	51	52	53	54	55			

Terminal No.	Color of Wire	Signal Name [Specification]
43	P	BACK DOOR SW
44	LG	REAR WIPER STOP POSITION
45	R	PASSENGER DOOR SW
46	LG	REAR RH DOOR SW
47	SB	DRIVER DOOR SW
48	BR	REAR LH DOOR SW
49	L	LUGGAGE LAMP OUTPUT
51	Y	BACK DOOR REQ SW
52	G	REAR FOG LAMP OUTPUT
53	GR	BK DOOR OPEN OUTPUT
54	P	REAR WIPER OUTPUT
55	G	PASS. RR DOOR UNLK. OUTPUT

Connector No.	B11
Connector Name	LUGGAGE ROOM LAMP (LUGGAGE SIDE)
Connector Type	MS02FW-CS



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

Connector No.	B13
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	IN22FY-1V-EX



35	36	37	38	39	40
41	42	43	44	45	46
47	48	49	50	51	52

Terminal No.	Color of Wire	Signal Name [Specification]
10	Y	PRH (+)
11	Y	PRH (-)
14	Y	PRH 2 (+)
15	Y	PRH 2 (-)
31	Y	SRH (+)
32	Y	SRH (-)
35	Y/R	CRH (+)
36	Y/B	CRH (-)
47	G	SATELLITE RH (+)
48	R	SATELLITE RH (-)

Connector No.	B14
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	IN22FY-2V-EX



13	17	33	34	38	37
12	13	50	49		

Terminal No.	Color of Wire	Signal Name [Specification]
12	Y	PLH (+)
13	Y	PLH (-)
16	Y	PLH 2 (+)
17	Y	PLH 2 (-)
33	Y	SLH (+)
34	Y	SLH (-)
37	Y/R	OLH (+)
38	Y/B	OLH (-)
49	P	SATELLITE LH (+)
50	L	SATELLITE LH (-)

Connector No.	B16
Connector Name	WIRE TO WIRE
Connector Type	NS10FW-CS



4	3	2	1
10	9	8	7
6	5	4	5

Terminal No.	Color of Wire	Signal Name [Specification]
1	SB	
2	V	
4	L	
5	G	
7	LG	
8	GR	
9	LG	
10	Y	

Connector No.	B17
Connector Name	WIRE TO WIRE
Connector Type	NS10FW-CS



4	3	2	1
10	9	8	7
6	5	4	5

Terminal No.	Color of Wire	Signal Name [Specification]
1	V	
2	V	
4	L	
5	G	
7	W	
8	R	
9	R	
10	P	

Connector No.	B18
Connector Name	WIRE TO WIRE
Connector Type	NS12MH-CS



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

Terminal No.	Color of Wire	Signal Name [Specification]
1	R	
2	LG	
3	P	
4	GR	
5	P	
6	Y	
7	L	
8	GR	
9	SHIELD	
10	W	
11	R	
12	B	

Connector No.	B19
Connector Name	WIRE TO WIRE
Connector Type	MG2MB-P-LC



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

CONNECTOR INFORMATION

< WIRING DIAGRAM >

BODY HARNESS

Connector No.	B36
Connector Name	SEAT BELT PRE-TENSIONER LH
Connector Type	ACB02FY



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

Connector No.	B37
Connector Name	LH SATELLITE SENSOR
Connector Type	HK02FY-1V-EX



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

Connector No.	B32
Connector Name	G SENSOR
Connector Type	HS03FB-2V



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	SIGNAL
2	R	GND
3	LG	POWER SUPPLY

Connector No.	B34
Connector Name	FRONT DOOR SWITCH (DRIVER SIDE)
Connector Type	AQ3FW



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

Connector No.	B35
Connector Name	FRONT LH SIDE AIR BAG MODULE
Connector Type	TK02FY-EX-1V



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

Connector No.	B28
Connector Name	FRONT RH SIDE AIR BAG MODULE
Connector Type	TK02FY-EX-1V



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

Connector No.	B29
Connector Name	SEAT BELT PRE-TENSIONER RH
Connector Type	ACB02FY



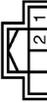
Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	
2	Y	

Connector No.	B30
Connector Name	RH SATELLITE SENSOR
Connector Type	HK02FY-1V-EX



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

Connector No.	B22
Connector Name	SEAT BELT BUCKLE SWITCH (DRIVER SIDE)
Connector Type	TH04FW-1H



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

Connector No.	B23
Connector Name	SEAT BELT BUCKLE SWITCH (PASSENGER SIDE)
Connector Type	TH04FW-1H



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

Connector No.	B27
Connector Name	FRONT DOOR SWITCH (PASSENGER SIDE)
Connector Type	AC3FW



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

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CONNECTOR INFORMATION

< WIRING DIAGRAM >

BODY HARNESS

Connector No.	B38
Connector Name	YAW RATE / SIDE / DECEL G SENSOR
Connector Type	SCZ08FB



Terminal No.	Color of Wire	Signal Name [Specification]
2	G	GND
4	B	IGN
5	R	CAN-H
6	W	CAN-L

Connector No.	B40
Connector Name	FUEL LEVEL SENSOR UNIT
Connector Type	EMFGY-RS



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

Connector No.	B41
Connector Name	REAR WHEEL SENSOR RH
Connector Type	RH02MGY



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

Connector No.	B42
Connector Name	LAP PRE-TENSIONER RH
Connector Type	ACB02FOR



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

Connector No.	B44
Connector Name	REAR WHEEL SENSOR LH
Connector Type	RH02MB



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

Connector No.	B45
Connector Name	REAR WHEEL SENSOR RH
Connector Type	RH02MB



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

Connector No.	B46
Connector Name	FUEL LEVEL SENSOR UNIT
Connector Type	EMFGY-RS



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

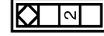
Connector No.	B47
Connector Name	4WD CONTROL MODULE
Connector Type	TH20FW-TB6



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

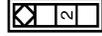
1	GR	BATTERY
3	LG	IGN SW
4	L	CAN-H
5	P	CAN-L
6	SE	CPLG S TEMP+
7	P	CPLG S TEMP-
9	W	4WD-V SW
10	B	GND
11	B	GND
12	Y	SOLBAT
13	G	2WD SW
16	G	CPLG L TEMP+
17	L	CPLG L TEMP-
21	Y	4WD SW
23	R	4WD SOL L+
24	V	4WD SOL L-
25	W	4WD SOL R+
26	Y	4WD SOL R-

Connector No.	B48
Connector Name	FRONT DOOR SWITCH (DRIVER SIDE)
Connector Type	A03FW



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

Connector No.	B49
Connector Name	FRONT DOOR SWITCH (PASSENGER SIDE)
Connector Type	A03FW



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

CONNECTOR INFORMATION

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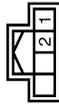
BODY HARNESS

Connector No.	B50
Connector Name	SEAT BELT BUCKLE SWITCH (DRIVER SIDE)
Connector Type	TH04FW-NH



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

Connector No.	B51
Connector Name	SEAT BELT BUCKLE SWITCH (PASSENGER SIDE)
Connector Type	TH04FW-NH



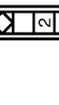
Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	B	-

Connector No.	B52
Connector Name	LAP PRE-TENSIONER LH
Connector Type	ACB02FOR



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

Connector No.	B53
Connector Name	REAR DOOR SWITCH RH
Connector Type	A03RW



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

Connector No.	B54
Connector Name	SEAT HEATER
Connector Type	NS03FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
40	B	-
41	L	-
42	LG	-

Connector No.	B55
Connector Name	SEAT HEATER
Connector Type	NS03FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
40	B	-
41	GR	-

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

Connector No.	B59
Connector Name	REAR COMBINATION LAMP RH
Connector Type	NS03MM-CS



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

Connector No.	B61
Connector Name	FUEL PUMP CONTROL MODULE
Connector Type	TM10PB



Terminal No.	Color of Wire	Signal Name [Specification]
5	B	GND
6	BR	FUEL PUMP (-)
7	G	FUEL PUMP (+)
8	BR	FPC INPUT SIGNAL
9	R	DIAG OUTPUT SIGNAL
10	BR	BATTERY

Connector No.	B64
Connector Name	REAR FINAL DRIVE ASSEMBLY
Connector Type	RS03FB-PR



Terminal No.	Color of Wire	Signal Name [Specification]
1	SB	CPLG R TEMP+
2	W	4WD SOL R+
3	L	CPLG L TEMP+
4	R	4WD SOL L+
5	P	CPLG R TEMP-
6	Y	4WD SOL R-
7	G	CPLG L TEMP-
8	V	4WD SOL L-

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CONNECTOR INFORMATION

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BODY HARNESS

Connector No.	B67
Connector Name	WIRE TO WIRE
Connector Type	NS04FW-CS



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

Connector No.	B68
Connector Name	WIRE TO WIRE
Connector Type	NS04MW-CS



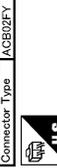
Terminal No.	Color of Wire	Signal Name [Specification]
2	SHIELD	-
3	BR	-
4	G	-

Connector No.	B71
Connector Name	REAR DOOR SWITCH LH
Connector Type	AC3FW



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

2	BR	-
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Connector No.	B72
Connector Name	CURTAIN AIR BAG MODULE LH
Connector Type	ACB02FY

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

Connector No.	B80
Connector Name	REAR COMBINATION LAMP LH
Connector Type	NS08MW-CS



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

Connector No.	B82
Connector Name	INSIDE KEY ANTENNA (LOGGAGE ROOM)
Connector Type	RK02FL



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

Connector No.	B83
Connector Name	OUTSIDE KEY ANTENNA (REAR BUMPER)
Connector Type	RK02FL



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

Connector No.	B85
Connector Name	REAR FOG LAMP
Connector Type	RS02FGY



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

Connector No.	B90
Connector Name	OPTION CONNECTOR (2)
Connector Type	M08FW-LG



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

Connector No.	B91
Connector Name	OPTION CONNECTOR (4)
Connector Type	NS02EER-CS



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

CONNECTOR INFORMATION

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BODY HARNESS

Connector No.	B302
Connector Name	OPTION CONNECTOR (4)
Connector Type	HS02MRF-CS



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

Connector No.	B201
Connector Name	SEAT BELT BUCKLE SWITCH (PASSENGER SIDE)
Connector Type	6098-2220



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

Connector No.	B301
Connector Name	FUEL LEVEL SENSOR UNIT
Connector Type	-



Terminal No.	Color of Wire	Signal Name [Specification]
6	-	-
7	-	-

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CONNECTOR INFORMATION

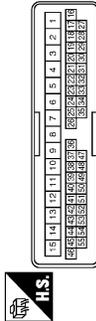
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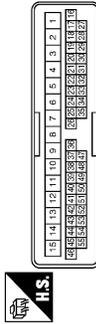
DOOR HARNESS

Connector No.	D1
Connector Name	WIRE TO WIRE
Connector Type	TH40FW-CS15-S



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	G	-
3	R	-
4	V	-
5	R	-
7	G	-
8	BG	-
9	LG	-
10	BR	-
11	W	-
12	SB	-
13	B	-
14	P	-
15	P	-
40	LG	-
41	Y	-
43	GR	-
44	V	-
45	W	-
46	BG	-
50	P	-
51	B	-
53	B	-
54	R	-
55	SB	-

Connector No.	D2
Connector Name	WIRE TO WIRE
Connector Type	TH40FW-CS15



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	G	-
3	Y	-
4	V	-
13	W	-
14	SB	-
15	L	-
40	LG	-
41	Y	-
43	GR	-
44	V	-
45	W	-
46	BG	-
50	P	-
51	B	-
53	B	-
54	R	-
55	SB	-

Connector No.	D3
Connector Name	DOOR MIRROR (DRIVER SIDE)
Connector Type	TH08MW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	-
5	SB	-
6	R	-
7	BG	-

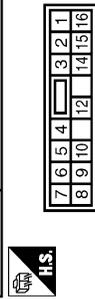
8	W	-
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Connector No.	D4
Connector Name	FRONT DOOR SPEAKER RH
Connector Type	NS02PW-CS



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

Connector No.	D5
Connector Name	POWER WINDOW MAIN SWITCH
Connector Type	NS10FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
2	SB	-
3	L	-
4	P	-
5	W	-
6	BR	-
7	LG	-
8	BG	-
9	G	-
10	L	-
12	LG	-
14	G	-
15	BR	-
16	W	-

Connector No.	D6
Connector Name	POWER WINDOW MAIN SWITCH
Connector Type	NS09FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
17	R	-
18	P	-
19	GR	-

Connector No.	D7
Connector Name	FRONT POWER WINDOW MOTOR (DRIVER SIDE)
Connector Type	RS06FG



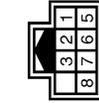
Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	R	-
3	GR	-
4	W	-
5	P	-
6	LG	-

CONNECTOR INFORMATION

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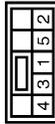
DOOR HARNESS

Connector No.	D8
Connector Name	DOOR MIRROR (PASSENGER SIDE)
Connector Type	TH82MW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	
2	B	
3	GR	
5	SB	
6	R	
7	BG	
8	W	

Connector No.	D10
Connector Name	FRONT POWER WINDOW SWITCH (PASSENGER SIDE)
Connector Type	NS0BFW-GS



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	
2	W	
3	SB	
4	Y	
5	R	

Connector No.	D11
Connector Name	FRONT DOOR REQUEST SWITCH (DRIVER SIDE)
Connector Type	RK02FGY



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

Connector No.	D12
Connector Name	OUTSIDE KEY ANTENNA (DRIVER SIDE)
Connector Type	RK02MGY



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

Connector No.	D13
Connector Name	FRONT DOOR LOCK ASSEMBLY (DRIVER SIDE)
Connector Type	FEA04FB-FHA2-LC



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

3	V	
4	G	
5	B	

Connector No.	D14
Connector Name	OUTSIDE KEY ANTENNA (PASSENGER SIDE)
Connector Type	RK02MGY



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

Connector No.	D15
Connector Name	FRONT DOOR REQUEST SWITCH (PASSENGER SIDE)
Connector Type	RK02FGY



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

Connector No.	D16
Connector Name	FRONT POWER WINDOW MOTOR (PASSENGER SIDE)
Connector Type	RS06FG



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

Connector No.	D17
Connector Name	FRONT DOOR LOCK ASSEMBLY (PASSENGER SIDE)
Connector Type	EG06GY-RS



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

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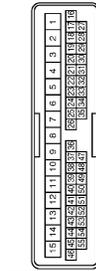
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CONNECTOR INFORMATION

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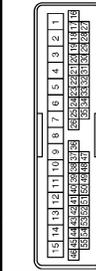
DOOR HARNESS

Connector No.	D21
Connector Name	WIRE TO WIRE
Connector Type	TH40FW-CS15-S



Terminal No.	Color of Wire	Signal Name [Specification]
1	P	-
2	W	-
3	G	-
4	V	-
5	V	-
12	B	-
13	W	-
14	SB	-
15	L	-
40	V	-
41	P	-
42	Y	-
44	W	-
45	Y	-
46	BG	-
50	LG	-
51	B	-
52	BR	-
54	R	-
55	SB	-

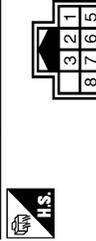
Connector No.	D22
Connector Name	WIRE TO WIRE
Connector Type	TH40FW-CS15



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

3	SB	-
4	V	-
7	G	-
8	BG	-
9	LG	-
10	BR	-
11	W	-
12	SB	-
13	B	-
14	L	-
15	P	-
40	V	-
41	P	-
42	L	-
43	GR	-
44	W	-
45	Y	-
46	BG	-
47	G	-
50	LG	-
52	BR	-
54	R	-
55	SB	-

Connector No.	D23
Connector Name	DOOR MIRROR (PASSENGER SIDE)
Connector Type	TH68MW-NH



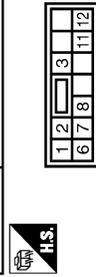
Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
5	SB	-
6	R	-
7	BG	-
8	Y	-

Connector No.	D24
Connector Name	FRONT DOOR SPEAKER LH
Connector Type	NS32FW-CS



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

Connector No.	D26
Connector Name	FRONT POWER WINDOW SWITCH (PASSENGER SIDE)
Connector Type	NS12FW-CS



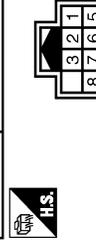
Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	BR	-
3	B	-
6	Y	-
7	R	-
8	L	-
11	SB	-
12	W	-

Connector No.	D27
Connector Name	FRONT POWER WINDOW MOTOR (PASSENGER SIDE)
Connector Type	RS08FG



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

Connector No.	D29
Connector Name	DOOR MIRROR (DRIVER SIDE)
Connector Type	TH68MW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	B	-
3	GR	-
5	SB	-
6	R	-
7	BG	-
8	Y	-

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CONNECTOR INFORMATION

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DOOR HARNESS

Connector No.	D30
Connector Name	FRONT DOOR LOCK ASSEMBLY (PASSENGER SIDE)
Connector Type	FE04MFB-FHA2-LC



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

Connector No.	D31
Connector Name	FRONT DOOR REQUEST SWITCH (PASSENGER SIDE)
Connector Type	RK02FGY



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

Connector No.	D32
Connector Name	OUTSIDE KEY ANTENNA (PASSENGER SIDE)
Connector Type	RK02MGY



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

Terminal No.	2	V	-
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Connector No.	D33
Connector Name	OUTSIDE KEY ANTENNA (DRIVER SIDE)
Connector Type	RK02MGY



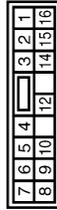
Terminal No.	Color of Wire	Signal Name [Specification]
1	P	-
2	V	-

Connector No.	D34
Connector Name	FRONT DOOR REQUEST SWITCH (DRIVER SIDE)
Connector Type	RK02FGY



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

Connector No.	D35
Connector Name	POWER WINDOW MAIN SWITCH
Connector Type	NS16FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
2	SB	-
3	L	-
4	P	-
5	W	-
6	BR	-
7	LG	-
8	EG	-
9	G	-
10	L	-
12	LG	-
14	G	-
15	BR	-
16	W	-

Connector No.	D36
Connector Name	POWER WINDOW MAIN SWITCH
Connector Type	NS03FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
17	R	-
18	P	-
19	GR	-

Connector No.	D37
Connector Name	FRONT POWER WINDOW MOTOR (DRIVER SIDE)
Connector Type	RS03FG



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

Terminal No.	2	R	-
Terminal No.	3	GR	-
Terminal No.	4	W	-
Terminal No.	5	P	-
Terminal No.	6	LG	-

Connector No.	D38
Connector Name	FRONT DOOR LOCK ASSEMBLY (DRIVER SIDE)
Connector Type	EG08FGY-RS



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	-
2	SB	-
3	G	-
4	B	-

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



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	-
2	P	-
4	L	-
5	G	-
7	LG	-
8	GR	-
9	BR	-
10	Y	-

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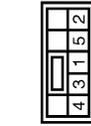
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CONNECTOR INFORMATION

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DOOR HARNESS

Connector No.	D43
Connector Name	REAR POWER WINDOW SWITCH RH
Connector Type	NS02FW-CS



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

Connector No.	D44
Connector Name	REAR DOOR SPEAKER RH
Connector Type	NS02FW-CS



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

Connector No.	D45
Connector Name	REAR DOOR LOCK ASSEMBLY RH
Connector Type	E06FGY-FS



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

Connector No.	D46
Connector Name	REAR DOOR LOCK ASSEMBLY RH
Connector Type	FEAMFB-FHA2-LC



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

Connector No.	D47
Connector Name	REAR POWER WINDOW MOTOR RH
Connector Type	RS08FG



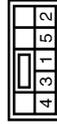
Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
3	R	-

Connector No.	D61
Connector Name	WIRE TO WIRE
Connector Type	NS10MM-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	-
2	P	-
4	L	-
5	G	-
7	LG	-
8	GR	-
9	BR	-
10	Y	-

Connector No.	D63
Connector Name	REAR POWER WINDOW SWITCH LH
Connector Type	NS08FW-CS



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

Connector No.	D64
Connector Name	REAR DOOR SPEAKER LH
Connector Type	NS02FW-CS



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

Connector No.	D65
Connector Name	REAR DOOR LOCK ASSEMBLY LH
Connector Type	E06FGY-RS



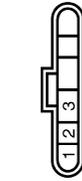
Terminal No.	Color of Wire	Signal Name [Specification]
1	V	-
2	G	-

CONNECTOR INFORMATION

< WIRING DIAGRAM >

DOOR HARNESS

Connector No.	D106
Connector Name	REAR DOOR LOCK ASSEMBLY LH
Connector Type	FE04FB-FHA2-LC



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

Connector No.	D107
Connector Name	REAR POWER WINDOW MOTOR LH
Connector Type	RS09FG



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

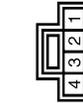
Connector No.	D103
Connector Name	CONDENSER
Connector Type	P01FB-A



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

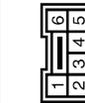
1	W	- [RHD models]
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Connector No.	D108
Connector Name	BACK DOOR LOCK ASSEMBLY
Connector Type	NS04FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	- [LHD models]
2	B	- [RHD models]
3	P	- [LHD models]
4	B	- [RHD models]

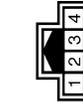
Connector No.	D107
Connector Name	BACK DOOR OPENER SWITCH
Connector Type	TK08MW-IV



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	- [LHD models]
2	B	- [RHD models]
3	SR	- [LHD models]
4	B	- [RHD models]
5	V	- [LHD models]
6	B	- [RHD models]

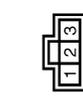
6	W	- [RHD models]
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Connector No.	D111
Connector Name	REAR VIEW CAMERA
Connector Type	TH04MP-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	CAMERA POWER SUPPLY [LHD models]
2	R	CAMERA GND [LHD models]
3	Y	CAMERA IMAGE SIGNAL
4	SHIELD	SHIELD

Connector No.	D112
Connector Name	REAR WIPER MOTOR
Connector Type	CEA08FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	- [LHD models]
2	LG	- [RHD models]
3	B	- [RHD models]
3	W	- [RHD models]

Connector No.	D121
Connector Name	HIGH-MOUNTED STOP LAMP
Connector Type	TK02FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	- [LHD models]
2	B	- [RHD models]
2	W	- [RHD models]

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CONNECTOR INFORMATION

< WIRING DIAGRAM >

ENGINE ROOM HARNESS

Connector No.	E11
Connector Name	IPDM E/R INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	M08FE-LC



11	10	9
14	13	12

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

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



17	16	15
22	21	20
19	18	

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

Connector No.	E13
Connector Name	IPDM E/R INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	TH12FEV-NH



28	27	26	25	24	23
34	33	32	31	30	29

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

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



39	38	37	36	35
46	45	44	43	42
41	40			

Terminal No.	Color of Wire	Signal Name [Specification]
35	G	-
36	P	-
37	L	-
38	R	-
39	L	-
41	BR	-
42	Y	-
43	V	- [With daytime running light system]
44	R	- [Without daytime running light system]
45	W	-
46	LG	-

Connector No.	E15
Connector Name	IPDM E/R INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	NS16FW-CS



53	52	51	50	49	48	47
62	61	60	59	58	57	56
55	54					

Terminal No.	Color of Wire	Signal Name [Specification]
47	V	-
48	BR	-
49	Y	-
50	G	-
51	L	-
52	P	-
54	P	-
55	GR	-
56	SB	-
57	O	-
58	BR	- [With C.V.T]
59	LG	- [With M.T]
60	SB	-
61	LG	-
62	O	-

Connector No.	E16
Connector Name	ECM
Connector Type	RH24FB-R28-L-LH



81	85	83	82	81	80	79
82	86	84	88	87	86	85
83	87	81	85	89	83	87
84	88	82	86	80	84	88

Terminal No.	Color of Wire	Signal Name [Specification]
81	Y	BATT
82	SB	INHIBIT CUT OFF
83	P	CAN-H
84	L	CAN-L
85	P	PPRES
87	V	ST RELY CONT

Terminal No.	Color of Wire	Signal Name [Specification]
88	R	DATA LINK CONNECTOR
91	L	SPEED LIMIT SWITCH
92	GR	CLUTCH PEDAL POSITION SWITCH
93	O	IGNITION SWITCH
94	P	ASC/D SWITCH
95	B	ASC/D SWITCH
96	BR	CRUISE CONT SWITCH
98	V	IGN-ACC/PPRES
99	SB	STOP LAMP SWITCH
100	G	ASC/D BRAKE SWITCH
101	L	AVCC/PPRES
102	O	SENSOR POWER SUPPLY (ACCELERATOR PEDAL POSITION SENSOR 2)
103	W	ACCELERATOR PEDAL POSITION SENSOR 2
104	Y	SENSOR GROUND (ACCELERATOR PEDAL POSITION SENSOR 2)
105	G	POWER SUPPLY FOR ECM
106	V	SENSOR POWER SUPPLY (ACCELERATOR PEDAL POSITION SENSOR 1)
108	B/Y	ECM GROUND
110	R	ACCELERATOR PEDAL POSITION SENSOR 1
111	GR	SENSOR GROUND (ACCELERATOR PEDAL POSITION SENSOR 1)

Connector No.	E17
Connector Name	IPDM E/R INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	TH10FEB-NH



67	66	65	64	63
72	71	70	69	68

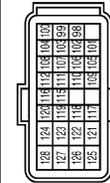
Terminal No.	Color of Wire	Signal Name [Specification]
63	P	-
64	Y	-
65	W	-
66	L	-
67	L	-
68	O	-
69	BR	-
72	W	-

CONNECTOR INFORMATION

< WIRING DIAGRAM >

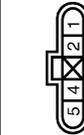
ENGINE ROOM HARNESS

Connector No.	E18
Connector Name	ECM
Connector Type	RH24FGY-R26-R-RH



Terminal No.	Color of Wire	Signal Name [Specification]
98	BR	ASCD MAIN SWITCH
99	P	CAN COMMUNICATION LINE (CAN-L)
100	L	CAN COMMUNICATION LINE (CAN-H)
101	V	SENSOR POWER SUPPLY/ACCELERATOR PEDAL POSITION SENSOR 1
102	R	ACCELERATOR PEDAL POSITION SENSOR 1
103	BR	PNP SIGNAL
104	R	DATA LINK CONNECTOR
105	GR	SENSOR GROUND/ACCELERATOR PEDAL POSITION SENSOR 2
106	Y	POWER SUPPLY FOR ECM (BACKUP)
107	L	SPEED LIMITER MAIN SWITCH
108	GR	CLUTCH PEDAL POSITION SWITCH
109	O	IGNITION SWITCH
110	P	ASCD STEERING SWITCH
111	B	SENSOR GROUND (ASCD STEERING SWITCH)
112	BR	ECM RELAY (SELF-SHUT-OFF)
115	SB	STOP LAMP SWITCH
116	G	BRAKE PEDAL POSITION SWITCH
117	Y	FUEL PUMP RELAY
118	O	SENSOR POWER SUPPLY/ACCELERATOR PEDAL POSITION SENSOR 2
119	W	ACCELERATOR PEDAL POSITION SENSOR 2
120	Y	SENSOR GROUND/ACCELERATOR PEDAL POSITION SENSOR 2
121	G	POWER SUPPLY FOR ECM
122	GR	THROTTLE CONTROL MOTOR POWER SUPPLY
123	B/Y	ECM GROUND
124	B/Y	ECM GROUND
125	L	A/F SENSOR 1 HEATER
126	W	HEATED OXYGEN SENSOR 2 HEATER
127	B/Y	ECM GROUND

Connector No.	E20
Connector Name	FRONT WIPER MOTOR
Connector Type	FH20BFGY-B



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

Connector No.	E22
Connector Name	FRONT WHEEL SENSOR LH
Connector Type	RH02FGY



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

Connector No.	E23
Connector Name	SIDE TURN SIGNAL LAMP LH
Connector Type	STL02FW



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

Terminal No.	1	V	-
Terminal No.	2	B	-

Connector No.	E24
Connector Name	PARKING LAMP LH
Connector Type	T02FB



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

Connector No.	E25
Connector Name	INTELLIGENT KEY WARNING BUZZER
Connector Type	RK03FBR



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

Connector No.	E26
Connector Name	HEADLAMP LH
Connector Type	HC03FB



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

Connector No.	E27
Connector Name	FRONT TURN SIGNAL LAMP LH
Connector Type	F202FGY



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

Connector No.	E28
Connector Name	HEADLAMP AIMING MOTOR LH
Connector Type	RH03FB



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

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CONNECTOR INFORMATION

< WIRING DIAGRAM >

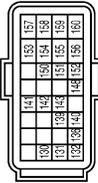
ENGINE ROOM HARNESS

Connector No.	E30
Connector Name	FRONT FOG LAMP LH
Connector Type	RH202FB



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

Connector No.	E32
Connector Name	ECM
Connector Type	RH24FB-R28-L-LH



Terminal No.	Color of Wire	Signal Name [Specification]
130	BR	ASCD MAIN SWITCH
131	P	CAN-L
132	L	CAN-H
136	R	DATA LINK CONNECTOR
139	L	SPEED LIMITER MAIN SWITCH
140	GR	CLUTCH PEDAL SWITCH
141	G	IGNITION SWITCH
142	P	ASCD STEERING SWITCH
143	B	ASCD STEERING SWITCH GROUND
146	G	ASCD BRAKE SWITCH
150	O	SENSOR POWER SUPPLY/ACCELERATOR PEDAL POSITION SENSOR 1
151	W	ACCELERATOR PEDAL POSITION SENSOR 2
152	Y	SENSOR GROUND/ACCELERATOR PEDAL POSITION SENSOR 2
153	P	POWER SUPPLY FOR ECM
154	V	SENSOR POWER SUPPLY/ACCELERATOR PEDAL POSITION SENSOR 1
155	B/R	ECM GROUND
156	B/R	ECM GROUND
157	B/R	ECM GROUND
158	R	ACCELERATOR PEDAL POSITION SENSOR 1
159	GR	SENSOR GROUND/ACCELERATOR PEDAL POSITION SENSOR 1

160	B/R	ECM GROUND
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Connector No.	E33
Connector Name	CRASH ZONE SENSOR
Connector Type	RH202FY-1V-EX



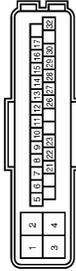
Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
2	W	-

Connector No.	E34
Connector Name	ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT)
Connector Type	RH28FB-NU4-UH



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	BAT (MTR)
2	L	BAT (SOL)
3	B	GND (MTR)
4	B	GND (SOL)
8	SB	STOP LAMP SW
9	P	CAN-L
11	BR	DP RR
12	W	DS FR
15	Y	DS RR
16	V	IGN
21	Y	DP FR
22	L	CAN-H
23	LG	DS FL
26	SB	DP RL
27	BR	DS FL
28	B	GND
29	W	SERIAL-
30	O	PRESS SEN GND

Connector No.	E35
Connector Name	ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT)
Connector Type	RH28FB-NU4-UH



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	GR	ESP OFF SW
6	G	ASCD CANCEL SW
7	V	PRESS SEN SIG
8	SB	STOP LAMP SW
9	P	CAN-L
10	Y	PRESS SEN VCC
11	BR	DP RR
12	W	DS FR
13	G	VCC
14	R	SERIAL+
15	Y	DS RR
16	V	IGN
17	W	REVERSE SW
21	Y	DP FR
22	L	CAN-H
23	LG	DP FL
26	SB	DP RL
27	BR	DS FL
28	B	GND
29	W	SERIAL-
30	O	DS RL
32	P	PRESS SEN GND

Connector No.	E37
Connector Name	BRAKE FLUID LEVEL SWITCH
Connector Type	Y102FGY



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

Connector No.	E39
Connector Name	FRONT WHEEL SENSOR RH
Connector Type	RH02FGY



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

Connector No.	E40
Connector Name	SIDE TURN SIGNAL LAMP RH
Connector Type	STL02FW



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

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CONNECTOR INFORMATION

< WIRING DIAGRAM >

ENGINE ROOM HARNESS

Connector No.	E41
Connector Name	WASHER PUMP
Connector Type	HS02FB-4V



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

Connector No.	E42
Connector Name	BRAKE FLUID LEVEL SWITCH
Connector Type	RH02FB



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

Connector No.	E43
Connector Name	PARKING LAMP RH
Connector Type	TO2FB



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

Connector No.	E45
Connector Name	HEADLAMP RH
Connector Type	RG03FB



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

Connector No.	E46
Connector Name	FRONT TURN SIGNAL LAMP RH
Connector Type	Z02FGY



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

Connector No.	E47
Connector Name	HEADLAMP AIMING MOTOR RH
Connector Type	RH03FB



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

2	GR	-
3	O	-



Connector No.	E48
Connector Name	FRONT FOG LAMP RH
Connector Type	FFZ02FB

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

Connector No.	E49
Connector Name	REFRIGERANT PRESSURE SENSOR
Connector Type	RK03FB



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

Connector No.	E50
Connector Name	HORN LOW
Connector Type	PO1FB-A



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

Connector No.	E51
Connector Name	HORN LOW
Connector Type	PO1FB-A



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

Connector No.	E52
Connector Name	COOLING FAN MOTOR
Connector Type	RS04FGY-PR



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

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CONNECTOR INFORMATION

< WIRING DIAGRAM >

ENGINE ROOM HARNESS

Connector No.	E53
Connector Name	AMBIENT SENSOR
Connector Type	RS02FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	AMBIENT SENSOR SIGNAL
2	LG	SENSOR GROUND

Connector No.	E56
Connector Name	VEHICLE SECURITY HORN RELAY
Connector Type	M03FW-R



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

Connector No.	E57
Connector Name	FUEL INJECTOR RELAY
Connector Type	M06FER-R-LC



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

2	B/W	-
3	GR	-
5	L/B	-
6	BR	-
7	L/W	-

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



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

Connector No.	E59
Connector Name	STARTER MOTOR
Connector Type	-



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

Connector No.	E61
Connector Name	CLUTCH PEDAL POSITION SWITCH
Connector Type	M02FER-LC



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

Connector No.	E62
Connector Name	CLUTCH PEDAL POSITION SWITCH
Connector Type	M04FW-LC



Terminal No.	Color of Wire	Signal Name [Specification]
3	GR	-
4	B	-

Connector No.	E63
Connector Name	CLUTCH INTERLOCK SWITCH
Connector Type	M04FW-LC



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

Connector No.	E64
Connector Name	COOLING FAN MOTOR
Connector Type	X02FB



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

Connector No.	E65
Connector Name	COOLING FAN MOTOR
Connector Type	X02FW



Terminal No.	Color of Wire	Signal Name [Specification]
3	Y	-
4	L	-

Connector No.	E66
Connector Name	WIRE TO WIRE
Connector Type	R003FB



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

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CONNECTOR INFORMATION

< WIRING DIAGRAM >

ENGINE ROOM HARNESS

Connector No.	E67
Connector Name	WIRE TO WIRE
Connector Type	X02FB



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

Connector No.	E68
Connector Name	ALTERNATOR
Connector Type	-



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

Connector No.	E69
Connector Name	BATTERY TERMINAL WITH FUSIBLE LINK
Connector Type	-



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

Connector No.	E70
Connector Name	VEHICLE SECURITY HORN
Connector Type	P01FB-A



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

Connector No.	E72
Connector Name	HORN LOW
Connector Type	P01FB-A



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

Connector No.	E73
Connector Name	HORN LOW
Connector Type	P01FB-A



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

Connector No.	E75
Connector Name	WATER IN FUEL SENSOR
Connector Type	RM03FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	P	-
2	GR	-
3	B	-

Connector No.	E78
Connector Name	HOOD SWITCH
Connector Type	W02FW



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

Connector No.	E80
Connector Name	BATTERY TERMINAL WITH FUSIBLE LINK
Connector Type	L02FGY-MC



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

4	G	-
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Connector No.	E81
Connector Name	BATTERY TERMINAL WITH FUSIBLE LINK
Connector Type	L02FBR-MC-B

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



Connector No.	E82
Connector Name	DAYTIME RUNNING LIGHT RELAY
Connector Type	M08FBR-F-LC

Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	Y	-
3	LG	-
5	L	-
6	O	-
7	GR	-

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CONNECTOR INFORMATION

< WIRING DIAGRAM >

ENGINE ROOM HARNESS

Connector No.	E83
Connector Name	PTC RELAY-1
Connector Type	MS02FL-M2-LC



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	SB	-
3	GR	-
5	L	-

Connector No.	E84
Connector Name	PTC RELAY-2
Connector Type	MS02FL-M2-LC



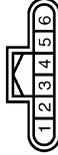
Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	W	-
3	V	-
5	W	-

Connector No.	E85
Connector Name	PTC RELAY-3
Connector Type	MS02FL-M2-LC



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

Connector No.	E101
Connector Name	ACCELERATOR PEDAL POSITION SENSOR
Connector Type	RH06FB



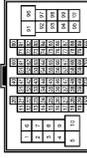
Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	GR	-
3	R	-
4	V	-
5	O	-
6	W	-

Connector No.	E102
Connector Name	STOP LAMP SWITCH
Connector Type	M04FW-LC



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	SB	-
3	O	-
4	GR	-

Connector No.	E105
Connector Name	WIRE TO WIRE
Connector Type	TH80MM-CSS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	L	-
3	Y	-
4	Y	-
5	GR	-
6	P	-
9	G	-
10	R	-
33	W	-
34	O	-
35	GR	-
36	B	-
37	P	-
38	BR	-
39	L	-
42	L	-
43	GR	-
44	R	-
45	V	-
46	O	-
47	Y	-
48	W	-
49	G	-
50	GR	-
52	SB	-
53	BR	-
54	V	-
55	O	-
56	P	-
57	W	-
58	L	-
59	Y	-
60	V	-
61	R	-
62	W	-
63	G	-
64	LG	-
65	GR	-

66	R	-
67	W	-
68	SB	-
69	LG	-
70	L	- [With daytime running light system]
70	R	- [Without daytime running light system]
71	LG	-
72	V	-
73	SB	-
74	GR	-
75	O	-
76	R	-
78	B	-
79	W	-
80	L	-
81	R	-
82	SB	-
83	Y	-
84	LG	-
85	GR	-
86	O	-
90	SHIELD	-
91	G	-
92	R	-
93	W	-
94	SB	-
95	BR	-
96	P	-
97	GR	-
98	W	-
99	V	-
100	O	-

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



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

CONNECTOR INFORMATION

< WIRING DIAGRAM >

ENGINE ROOM HARNESS

Connector No.	E107
Connector Name	WIRE TO WIRE
Connector Type	TH34MW-NH



Connector No.	E110
Connector Name	TURBOCHARGER BOOST CONTROL SOLENOID VALVE
Connector Type	Terminal 770297285



Connector No.	E113
Connector Name	ESP PRESSURE SENSOR
Connector Type	AAZ038E2



Terminal No.	2	Y	-
Terminal No.	3	L	-
Terminal No.	5	GR	-

Connector No.	E116
Connector Name	PTC HEATER
Connector Type	SM403FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	SB	-
2	Y	-
3	V	-
4	GR	-
5	G	-
6	O	-
7	R	-
8	BR	-
9	R	-
13	P	-
14	L	-
15	SB	-
16	O	-
17	BR	-
18	Y	-
19	G	-
20	B	-
21	W	-
22	R	-
23	SHIELD	-

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

Connector No.	E111
Connector Name	BRAKE SWITCH
Connector Type	M02FBR-LC



Terminal No.	Color of Wire	Signal Name [Specification]
1	P	-
2	V	-
3	Y	-

Connector No.	E114
Connector Name	HEADLAMP WASHER PUMP
Connector Type	ALZ02FB



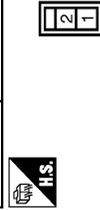
Terminal No.	1	L	-
Terminal No.	3	W	-
Terminal No.	5	R	-

Connector No.	E117
Connector Name	PTC HEATER
Connector Type	SM402FW-1V



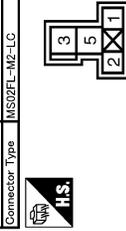
Terminal No.	Color of Wire	Signal Name [Specification]
1	O	-
2	G	-

Connector No.	E112
Connector Name	BRAKE PEDAL POSITION SWITCH
Connector Type	M02FBR-LC



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

Connector No.	E115
Connector Name	HEADLAMP WASHER RELAY
Connector Type	M502FL-M2-LC



Terminal No.	2	B	-
Terminal No.	4	B	-

Connector No.	E116
Connector Name	PTC HEATER
Connector Type	SM402FW-1V

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

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

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

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

CONNECTOR INFORMATION

< WIRING DIAGRAM >

ENGINE ROOM HARNESS

Connector No.	E118
Connector Name	STOP LAMP SWITCH
Connector Type	RM2PE-LC



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

Connector No.	E201
Connector Name	WIRE TO WIRE
Connector Type	RH03MB



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

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



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

Connector No.	E203
Connector Name	COOLING FAN CONTROL MODULE
Connector Type	SJ201FY-SNZ2



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	GND
2	W	PWM SIG
3	R	PWM POWER

Connector No.	E204
Connector Name	COOLING FAN RELAY
Connector Type	24347 9F300



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

Connector No.	E301
Connector Name	COOLING FAN CONTROL MODULE (COOLING FAN MOTOR 1)
Connector Type	6188-0259



Terminal No.	Color of Wire	Signal Name [Specification]
4	-	-
5	-	-

Connector No.	E302
Connector Name	COOLING FAN CONTROL MODULE (COOLING FAN MOTOR 2)
Connector Type	6188-0259



Terminal No.	Color of Wire	Signal Name [Specification]
6	-	-
7	-	-

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CONNECTOR INFORMATION

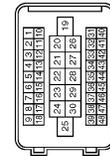
< WIRING DIAGRAM >

F Engine Control Harness

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ENGINE CONTROL HARNESS

Connector No.	F1
Connector Name	WIRE TO WIRE
Connector Type	SAA36P-RS1P-SLZZ



Terminal No.	Color of Wire	Signal Name [Specification]
1	P	—
2	L	—
3	Y	— [With HR engine]
4	BG	— [With MR engine]
5	LG	— [Except for MR engine]
6	SB	— [With MR engine]
7	G	—
8	GR	— [With HR engine]
9	R	— [With MR engine]
10	Y	— [With CVT]
10	BR	— [With M/T]
11	LG	— [With CVT]
11	Y	— [With M/T]
12	G	—
13	R	—
14	BR	—
15	P	— [With diesel engine]
15	G	— [With gasoline engine]
16	Y	—
17	SB	—
18	G	—
19	G	—
20	L	— [With diesel engine]
20	BR	— [With gasoline engine]
21	L	— [With diesel engine]
21	G	— [With gasoline engine]
22	R	— [With diesel engine]
22	BR	— [With gasoline engine]
23	G	— [With diesel engine]
23	SHIELD	— [With gasoline engine]
24	R	—
25	R	—
26	B	— [With HR engine]
27	G	— [With MR engine]
27	B	— [With MR engine]

Terminal No.	Color of Wire	Signal Name [Specification]
28	R	—
28	W	—
30	G	—
31	BG	— [Except for cold area]
31	O	— [For cold area]
32	LG	—
33	BR	—
34	R	— [With diesel engine]
34	G	— [With gasoline engine]
37	G	—
39	B	—
40	P	—
41	BR	—
42	W	—
44	P	—
45	BR	—
46	GR	— [Except for MR engine]
46	R	— [With MR engine]
47	Y	—
48	V	— [With diesel engine]
48	R	— [With HR engine]
48	GR	— [With MR engine]

Connector No.	F2
Connector Name	BATTERY TERMINAL WITH FUSIBLE LINK
Connector Type	—



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

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



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

Connector No.	F4
Connector Name	MASS AIR FLOW SENSOR
Connector Type	RH06FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	—
2	SB	— [With HR engine]
3	G	— [With MR engine]
4	W	—
5	BR	—

Connector No.	F5
Connector Name	FUEL RAIL PRESSURE SENSOR
Connector Type	AFZ03FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	—
2	GR	—
3	SB	—

Connector No.	F7
Connector Name	ECM
Connector Type	RH24FY-R28-R-LH



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	THROTTLE CONTROL MOTOR (OPEN)
2	G	THROTTLE CONTROL MOTOR POWER SUPPLY
3	G	THROTTLE CONTROL MOTOR (CLOSE)
4	P	A/F SENSOR HEATER
5	C	HEATED OXYGEN SENSOR 2 HEATER
9	L	SWAP SOLENOID VALVE (FOR DIESEL ENGINE)
10	B	ECM GROUND
11	B	ECM GROUND
12	G	INJ#1 RR
15	Y	THROTTLE CONTROL MOTOR RELAY
16	LG	INJ#3 RR
17	R	IGNITION SIGNAL NO. 1
18	LG	IGNITION SIGNAL NO. 2
20	P	INJ#2 RR
21	W	IGNITION SIGNAL NO. 4
22	BG	IGNITION SIGNAL NO. 3
23	GR	FUEL PUMP RELAY
24	L	INJ#4 RR
25	SB	FUEL INJECTOR NO. 4
27	R	FPCM3K
28	BR	FPCM
29	SB	FUEL INJECTOR NO. 3
30	SB	FUEL INJECTOR NO. 2
31	SB	FUEL INJECTOR NO. 1
32	P	ECM RELAY (SELF SHUT-OFF)

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CONNECTOR INFORMATION

< WIRING DIAGRAM >

ENGINE CONTROL HARNESS

Connector No.	F8
Connector Name	ECM
Connector Type	RH40FBR-R28-L-LH



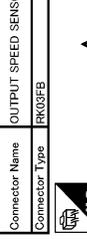
Connector No.	F10
Connector Name	STARTER MOTOR
Connector Type	-



Connector No.	F13
Connector Name	CONDENSER
Connector Type	HM02FW-LC



Connector No.	0
Connector Name	- [For cold area]



Terminal No.	Color of Wire	Signal Name [Specification]
33	G	THROTTLE POSITION SENSOR 1
34	W	THROTTLE POSITION SENSOR 2
36	R	SENSOR GROUND (THROTTLE POSITION SENSOR)
37	W	KNOCK SENSOR
38	LG	ENGINE COOLANT TEMPERATURE SENSOR
39	GR	TB
40	SHIELD	SENSOR GROUND (KNOCK SENSOR SHIELD CIRCUIT)
44	V	SENSOR GROUND (ENGINE COOLANT TEMPERATURE SENSOR)
45	G	MASS AIR FLOW SENSOR
46	SB	INTAKE AIR TEMPERATURE SENSOR
47	G	OILPRES
48	Y	SENSOR GROUND (REFRIGERANT PRESSURE SENSOR)
49	W	A/F SENSOR 1
50	W	HEATED OXYGEN SENSOR 2
52	W	SENSOR GROUND (MASS AIR FLOW SENSOR)
53	B	AIR
54	BG	GND&TC
57	P	SENSOR GROUND (A/F SENSOR 1)
58	G	CURSEN
59	R	SENSOR GROUND (HEATED OXYGEN SENSOR 2)
60	W	GND-A OPS MV
61	R	CRANKSHAFT POSITION SENSOR (POS)
62	W	SENSOR GROUND (CRANKSHAFT POSITION SENSOR (POS))
63	L	SENSOR GROUND (CAMSHAFT POSITION SENSOR (PHASE))
65	Y	CAMSHAFT POSITION SENSOR (PHASE)
68	BR	GND-A-TF TA-TU TB CUR GSEN
69	BR	PARK/NEUTRAL POSITION SIGNAL
71	Y	AVCC2-CURSEN G-SEN
72	B	SENSOR POWER SUPPLY (THROTTLE POSITION SENSOR)
73	Y	INTAKE VALVE TIMING CONTROL SOLENOID VALVE
74	R	AVCC OPS/MV
75	G	SENSOR POWER SUPPLY (CAMSHAFT POSITION SENSOR (POS))
77	G	CVTC EXH
78	G	SENSOR POWER SUPPLY (CAMSHAFT POSITION SENSOR (PHASE))

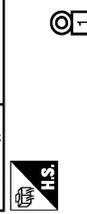
Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	B	-

Connector No.	F11
Connector Name	STARTER MOTOR
Connector Type	-



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

Connector No.	F14
Connector Name	ALTERNATOR
Connector Type	-



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	VSP SENSOR GND
2	BR	VSP SENS
3	LG	VSP POWER

Connector No.	F17
Connector Name	COMPRESSOR
Connector Type	RS03FB



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

Connector No.	F15
Connector Name	ALTERNATOR
Connector Type	HS03FB



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

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

Terminal No.	Color of Wire	Signal Name [Specification]
3	LG	-
4	G	-
5	BG	- [Except for cold area]

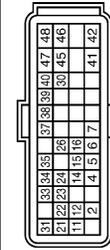
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CONNECTOR INFORMATION

< WIRING DIAGRAM >

ENGINE CONTROL HARNESS

Connector No.	F18
Connector Name	TCM (TRANSMISSION CONTROL MODULE)
Connector Type	RH40FB-R22B-L-RH



Terminal No.	Color of Wire	Signal Name [Specification]
2	V	L RANGE SW
4	W	D RANGE SW
5	Y	N RANGE SW
6	G	R RANGE SW
7	L	P RANGE SW
11	Y	SENSOR GND
12	SB	CVT FLUID TEMP SENSOR
14	G	G SENSOR
15	BR	SENSOR GND
16	P	SECONDARY PRESSURE SENSOR
21	BG	ROM ASSY (SEL 1)
22	GR	ROM ASSY (SEL 3)
23	B	CAN-L
24	BR	OUTPUT SPEED SENSOR
26	LG	SENSOR SPLY (SV)
30	Y	LINE PRESSURE SOL
31	V	ROM ASSY (SEL 2)
33	L	CAN-H
34	R	SECONDARY SPEED SENSOR
35	BG	PRIMARY SPEED SENSOR
37	L	HIGH CLUTCH & REVERSE BRAKE SOL
38	R	TORQUE CONVERTER CLUTCH SOL
39	G	LOW BRAKE SOL
40	W	PRIMARY PRESSURE SOL
41	B	GND
42	B	GND
45	V	BATT
46	GR	BATT
47	LG	VIGN
48	Y	VIGN

Connector No.	F19
Connector Name	SECONDARY SPEED SENSOR
Connector Type	RH03FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	- [With HR engine]
2	Y	- [With MR engine]
3	LG	-

Connector No.	F20
Connector Name	CRANKSHAFT POSITION SENSOR
Connector Type	RH03FB



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

Connector No.	F21
Connector Name	INTAKE CAMSHAFT POSITION SENSOR
Connector Type	RH03FB

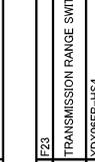


Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	L	-
3	Y	-

Connector No.	F22
Connector Name	EXHAUST CAMSHAFT POSITION SENSOR
Connector Type	RH03FB

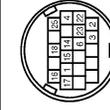
Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	L	-
3	Y	-

Connector No.	F23
Connector Name	TRANSMISSION RANGE SWITCH
Connector Type	YDX08FB-HS4



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

Connector No.	F24
Connector Name	CVT UNIT
Connector Type	RK22FGY



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	SEL 2 (CLOCK)
2	Y	LINEAR SOL 1 (PL 3WAY)
3	W	LINEAR SOL 2 (PRL 3WAY)
4	SB	ATF-TEMP SENS
6	R	LINEAR SOL 5 (L U 2WAY)
14	P	ATF-PRES SENS
15	BG	SEL 1 (CHP SELECT)
16	LG	SENS SPLY+5 (5V)
17	GR	SEL 3 (DATA I/O)
18	BR	SENS GND (ATF-PRES)
22	G	LINEAR SOL 3 (LOW B 3WAY)
23	L	LINEAR SOL 4 (H B 3WAY)
25	Y	SENS GND (ATF-TEMP ATF-PRES ROM)

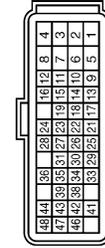
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CONNECTOR INFORMATION

< WIRING DIAGRAM >

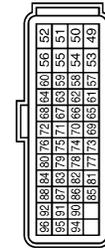
ENGINE CONTROL HARNESS

Connector No.	F25
Connector Name	ECM
Connector Type	RH40FB-R28-L-RH



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	ECM GROUND (FUEL INJECTOR)
2	B	ECM GROUND (FUEL INJECTOR)
3	G	FUEL INJECTOR NO.1.4 (HI)
4	Y	FUEL INJECTOR NO.2.3 (HI)
5	R	FUEL INJECTOR NO.1 (LO)
6	BR	FUEL INJECTOR NO.2 (LO)
7	W	FUEL INJECTOR NO.3 (LO)
8	R	FUEL INJECTOR NO.4 (LO)
9	W	SENSOR GROUND (WATER TEMP. SENSOR, INTAKE AIR TEMPERATURE SENSOR)
10	LG	SENSOR GROUND (ENGINE COOLANT TEMPERATURE SENSOR)
11	P	SENSOR GROUND (ENGINE OIL TEMPERATURE SENSOR)
12	BR	SENSOR GROUND (REFRIGERANT PRESSURE SENSOR)
13	G	MASS AIR FLOW SENSOR
14	V	ENGINE COOLANT TEMPERATURE SENSOR
15	V	INTAKE AIR TEMPERATURE SENSOR 1
16	GR	FUEL RAIL PRESSURE SENSOR
19	P	REFRIGERANT PRESSURE SENSOR
21	W	A/F SENSOR 1
22	Y	ENGINE OIL TEMPERATURE SENSOR
23	W	SENSOR POWER SUPPLY (REFRIGERANT PRESSURE SENSOR)
25	B	A/F SENSOR 1
28	W	HEATED OXYGEN SENSOR 2
33	R	SENSOR GROUND (HEATED OXYGEN SENSOR 2)
35	SHIELD	SENSOR GROUND (KNOCK SENSOR)
36	W	KNOCK SENSOR
38	B	SHIELD
39	R	SENSOR POWER SUPPLY (FUEL RAIL PRESSURE SENSOR)
41	W	TURBOCHARGER BOOST SENSOR
42	BG	ATMOSPHERE PRESSURE SENSOR
43	G	ENGINE OIL PRESSURE SENSOR
44	SB	

Connector No.	F26
Connector Name	ECM
Connector Type	RH40FB-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)
56	Y	HIGH PRESSURE FUEL PUMP (LO)
58	G	SENSOR POWER SUPPLY (CRANKSHAFT POSITION SENSOR POS)
59	L	SENSOR GROUND (CRANKSHAFT POSITION SENSOR POS)
60	W	SENSOR GROUND (CRANKSHAFT POSITION SENSOR POS)
62	B	SENSOR POWER SUPPLY (THROTTLE POSITION SENSOR)
63	BR	CRANKSHAFT POSITION SENSOR (PHASE)
64	R	CRANKSHAFT POSITION SENSOR (POS)
66	SB	STARTER RELAY CONTROL
67	LG	EXHAUST VALVE TIMING CONTROL POSITION SENSOR
68	Y	EXHAUST VALVE TIMING CONTROL POSITION SENSOR
72	GR	SENSOR GROUND (TURBOCHARGER BOOST SENSOR)
73	BR	TURBOCHARGER BOOST CONTROL SOLENOID VALVE
74	R	SENSOR GROUND (THROTTLE POSITION SENSOR)
75	G	THROTTLE POSITION SENSOR 1
76	W	THROTTLE POSITION SENSOR 2
77	Y	THROTTLE CONTROL RELAY
79	BG	BATTERY CURRENT SENSOR
80	G	BATTERY CURRENT SENSOR
81	W	INTAKE VALVE TIMING CONTROL SOLENOID VALVE
82	R	IGNITION SIGNAL NO.1
83	G	G SENSOR
85	G	EXHAUST VALVE TIMING CONTROL SOLENOID VALVE
86	LG	IGNITION SIGNAL NO.2
87	BR	SENSOR GROUND (EXHAUST VALVE TIMING CONTROL SOLENOID VALVE)
88	V	INTAKE AIR TEMPERATURE SENSOR 2
90	P	IGNITION SIGNAL NO.3
91	BR	FUEL PUMP CONTROL MODULE (FPCM)
92	R	FUEL PUMP CONTROL MODULE (FPCM)
94	SB	CRANKING ENABLE SIGNAL
95	SB	IGNITION SIGNAL NO.4
96	L	FPM CONTROL MODULE (FPCM) CONTROL SOLENOID VALVE
96	R	FUEL PUMP CONTROL MODULE (FPCM) CHECK

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



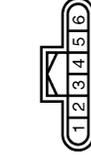
Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	
2	BR	
3	LG	
4	L	
5	G	
6	Y	
7	W	
8	V	

Connector No.	F28
Connector Name	ENGINE COOLANT TEMPERATURE SENSOR
Connector Type	EQ02FY-RS



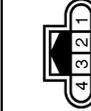
Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	
1	L	
2	V	
2	LG	

Connector No.	F29
Connector Name	ELECTRIC THROTTLE CONTROL ACTUATOR
Connector Type	RH08FB



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

Connector No.	F30
Connector Name	HEATED OXYGEN SENSOR 2
Connector Type	RH08MDSY



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

CONNECTOR INFORMATION

< WIRING DIAGRAM >

ENGINE CONTROL HARNESS

Connector No.	F31
Connector Name	EXHAUST VALVE TIMING CONTROL SOLENOID VALVE
Connector Type	E02FG-RS-LGY



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

Connector No.	F32
Connector Name	SWAP CANISTER PURGE VOLUME CONTROL SOLENOID VALVE
Connector Type	E02FL-RS-LGY



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

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



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

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



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

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



Terminal No.	Color of Wire	Signal Name [Specification]
1	BG	- [With-HR engine]
1	P	- [With-MR engine]
2	B	-
3	R	-

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



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	- [With-HR engine]
1	SB	- [With-MR engine]
2	B	-
3	R	-

Connector No.	F37
Connector Name	FUEL INJECTOR No. 1 (FRONT)
Connector Type	SAZ02FB-YR



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

Connector No.	F38
Connector Name	FUEL INJECTOR No. 2 (FRONT)
Connector Type	SAZ02FB-YR



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

1	Y	-
2	SB	-

Connector No.	F39
Connector Name	FUEL INJECTOR No. 3 (FRONT)
Connector Type	SAZ02FB-YR



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

Connector No.	F40
Connector Name	FUEL INJECTOR No. 4 (FRONT)
Connector Type	SAZ02FB-YR



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

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CONNECTOR INFORMATION

< WIRING DIAGRAM >

ENGINE CONTROL HARNESS

Connector No.	F41
Connector Name	INTAKE VALVE TRING CONTROL SOLENOID VALVE
Connector Type	E02FG-RS-LGY



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	- [With MR engine]
2	W	- [With MR engine]

Connector No.	F42
Connector Name	ALTERNATOR
Connector Type	-



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

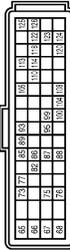
Connector No.	F43
Connector Name	ENGINE OIL PRESSURE SENSOR
Connector Type	RH03FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	- [With MR engine]
SB	-	- [With MR engine]

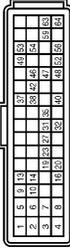
2	G
3	R

Connector No.	F45
Connector Name	ECM
Connector Type	RH56FB-RZ8-R-RH



Terminal No.	Color of Wire	Signal Name [Specification]
65	R	VOLUIMETRIC CONTROL VALVE
66	BR	FUEL CUT OFF VALVE
67	G	POWER SUPPLY FOR ECM
68	G	POWER SUPPLY FOR ECM
73	L	INTAKE AIR TEMPERATURE SENSOR
75	GR	EXHAUST GAS TEMPERATURE SENSOR 2 GND
76	R	SENSOR POWER SUPPLY (CAMSHAFT POSITION SENSOR)
77	P	ENGINE COOLANT TEMPERATURE SENSOR
82	W	FUEL TEMPERATURE SENSOR
85	W	EXHAUST FUEL INJECTOR
86	BG	EGR COOLER/BYPASS CONTROL SOLENOID VALVE
87	B	SENSOR GROUND (ENGINE COOLANT TEMPERATURE SENSOR)
88	R	EXHAUST GAS TEMPERATURE SENSOR 2
89	R	TURBOCHARGER BOOST CONTROL SOLENOID VALVE
93	SB	HEATER 1 DRIVE
95	SB	SENSOR GROUND (FUEL TEMPERATURE SENSOR)
99	L	SENSOR GROUND (CAMSHAFT POSITION SENSOR)
100	G	PRESSURE CONTROL VALVE
104	BG	HEATER PWM SIGNAL
105	P	ECM RELAY (SELF SHUT-OFF)
108	BR	HEATER 2 DRIVE
110	R	GLOW RELAY
113	R	CRANKSHAFT POSITION SENSOR
114	B	SENSOR GROUND (CRANKSHAFT POSITION SENSOR)
118	SB	MASS AIR FLOW SENSOR
120	Y	HEATER FEEDBACK 2
122	G	GLOW RELAY
123	LG	HEATER FEEDBACK 1
124	GR	WATER DETECTION SENSOR
125	G	SENSOR GROUND (MASS AIR FLOW SENSOR)
126	Y	CAMSHAFT POSITION SENSOR

Connector No.	F46
Connector Name	ECM
Connector Type	RH56FG-RZ8-R-RH



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	FUEL INJECTOR NO. 4
2	L	FUEL INJECTOR NO. 3
3	P	FUEL INJECTOR NO. 2
4	L	FUEL INJECTOR NO. 1
5	V	FUEL INJECTOR POWER SUPPLY NO. 4
6	R	FUEL INJECTOR POWER SUPPLY NO. 3
7	BR	FUEL INJECTOR POWER SUPPLY NO. 2
8	Y	FUEL INJECTOR POWER SUPPLY NO. 1
9	W	THROTTLE CONTROL MOTOR -
10	SB	THROTTLE CONTROL MOTOR +
13	W	EGR DC MOTOR-
14	B	EGR DC MOTOR-
16	W	THROTTLE POSITION SENSOR SUPPLY
19	BR	THROTTLE POSITION SENSOR GND
20	SB	EXHAUST GAS PRESSURE SENSOR 2 SUPPLY
23	GR	EXHAUST GAS PRESSURE SENSOR 1 GND
27	B	SENSOR GROUND (FUEL RAIL PRESSURE SENSOR)
31	B	EXHAUST GAS PRESSURE SENSOR 2 GND
32	R	SENSOR POWER SUPPLY (TURBOCHARGER BOOST SENSOR)
35	BR	SENSOR GROUND (REFRIGERANT PRESSURE SENSOR)
37	G	THROTTLE POSITION SENSOR
38	L	EGR VALVE CONTROL VALVE POSITION SENSOR
40	W	SENSOR POWER SUPPLY (REFRIGERANT PRESSURE SENSOR)
42	Y	EXHAUST GAS PRESSURE SENSOR 1
46	P	REFRIGERANT PRESSURE SENSOR
47	G	SENSOR GROUND (TURBOCHARGER BOOST SENSOR)
48	R	EXHAUST GAS PRESSURE SENSOR 1 SUPPLY
49	L	TURBOCHARGER BOOST SENSOR
52	V	SENSOR POWER SUPPLY (TURBOCHARGER BOOST SENSOR)
53	LG	EXHAUST GAS PRESSURE SENSOR 2
54	R	FUEL RAIL PRESSURE SENSOR
56	L	SENSOR POWER SUPPLY (FUEL RAIL PRESSURE SENSOR)
59	B	SENSOR GROUND (EGR VALVE CONTROL VALVE POSITION SENSOR)
63	Y	EXHAUST GAS TEMPERATURE SENSOR 1 GND
64	G	EXHAUST GAS TEMPERATURE SENSOR

Connector No.	F47
Connector Name	BATTERY TERMINAL WITH FUSIBLE LINK
Connector Type	-



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

Connector No.	F48
Connector Name	ENGINE OIL TEMPERATURE SENSOR
Connector Type	E02FGY-RS



Terminal No.	Color of Wire	Signal Name [Specification]
1	P	- [With MR engine]
1	Y	- [With MR engine]
2	BG	- [With MR engine]
2	P	- [With MR engine]

CONNECTOR INFORMATION

< WIRING DIAGRAM >

ENGINE CONTROL HARNESS

Connector No.	F48
Connector Name	PARK / NEUTRAL POSITION SWITCH
Connector Type	FEA03FG



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

Connector No.	F50
Connector Name	AIR FUEL RATIO (A/F) SENSOR 1
Connector Type	RHR4MDGY-BR



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

Connector No.	F51
Connector Name	CVT UNIT
Connector Type	Yazaki 7283-8750-30



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	CHIP SELECT (SEL 1)
2	Y	LINE PRESSURE SOLENOID VALVE
3	W	SECONDARY PRESSURE SOLENOID VALVE
4	R	STEP MOTOR A
5	BR	STEP MOTOR B
6	EG	STEP MOTOR C
7	V	STEP MOTOR D
8	GR	CLOCK (SEL 2)
9	BR	TORQUE CONVERTER CLUTCH SOLENOID VALVE
10	G	L/U SELECT SOLENOID VALVE
11	L	SENSOR GND
12	Y	DATE I/O (SEL 3)
13	LG	CVT FLUID TEMPERATURE SENSOR
14	W	INPUT SPEED SENSOR
15	SB	SENSOR GND
16	V	SENSOR POWER SOURCE
17	Y	SECONDARY PRESSURE SENSOR
18	Y	BATTERY CURRENT SENSOR
19	Y	SAZ2MFGY
20	LG	-
21	P	-

Connector No.	F52
Connector Name	BATTERY CURRENT SENSOR
Connector Type	SAZ2MFGY



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	GR	- [With HR engine]
3	BG	- [With MR engine]
4	G	-

Connector No.	F53
Connector Name	HIGHT PRESSURE FUEL PUMP
Connector Type	HSZ2FLGY-YR



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

Connector No.	F54
Connector Name	TORQUE BOOST CONTROL SOLENOID VALVE
Connector Type	EQZEL-FS-LGY



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

Connector No.	F55
Connector Name	PRIMARY SPEED SENSOR
Connector Type	FK03FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	- [With HR engine]
2	Y	- [With MR engine]

2	BG
3	LG

Connector No.	F56
Connector Name	ALTERNATOR
Connector Type	FC121PC02S0049



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

Connector No.	F57
Connector Name	FUEL INJECTOR No. 1 (REAR)
Connector Type	SAZ22FB-YR



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

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CONNECTOR INFORMATION

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ENGINE CONTROL HARNESS

Connector No.	F58
Connector Name	FUEL INJECTOR No. 2 (REAR)
Connector Type	SAZ02FB-VR



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

Connector No.	F59
Connector Name	FUEL INJECTOR No. 3 (REAR)
Connector Type	SAZ02FB-VR



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

Connector No.	F60
Connector Name	FUEL INJECTOR No. 4 (REAR)
Connector Type	SAZ02FB-VR



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

Connector No.	F61
Connector Name	COMPRESSOR
Connector Type	FQJ211PC02S3049



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

Connector No.	F62
Connector Name	GLOW RELAY
Connector Type	FQJ240PC089S30015



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	R	-
3	G	-
4	W	-
5	B	-
6	Y	-
7	L	-
8	R	-

Connector No.	F63
Connector Name	THERMOPLUNGER CONTROL UNIT
Connector Type	FQJ240PC088S30015



Terminal No.	Color of Wire	Signal Name [Specification]
1	EG	GDE 1
2	SB	GDE 3
3	Y	DIAG 2
4	R	+BAT 1
5	W	+BAT 2
7	LG	DIAG 1
8	BR	GDE 2

Connector No.	F64
Connector Name	OIL PRESSURE SWITCH
Connector Type	FR02FB



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

Connector No.	F65
Connector Name	FUEL INJECTOR No. 1
Connector Type	HS02FGY



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

Connector No.	F66
Connector Name	FUEL INJECTOR No. 2
Connector Type	HS02FGY



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

Connector No.	F67
Connector Name	FUEL INJECTOR No. 3
Connector Type	HS02FGY



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

CONNECTOR INFORMATION

< WIRING DIAGRAM >

ENGINE CONTROL HARNESS

Connector No.	F68
Connector Name	FUEL INJECTOR No. 4
Connector Type	HS02PGY



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

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]
1	R	-

1	W	-
2	B	-
3	G	-
4	R	-

Connector No.	F71
Connector Name	FUEL INJECTOR No. 1
Connector Type	KOSTAL_08441241



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

Connector No.	F72
Connector Name	FUEL INJECTOR No. 2
Connector Type	KOSTAL_08441241



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

Connector No.	F73
Connector Name	FUEL INJECTOR No. 3
Connector Type	KOSTAL_08441241



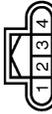
Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	G	-

Connector No.	F74
Connector Name	FUEL INJECTOR No. 4
Connector Type	KOSTAL_08441241



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

Connector No.	F75
Connector Name	TURBOCHARGER BOOST SENSOR
Connector Type	RH04FB



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

3	SB	-
4	V	-

Connector No.	F76
Connector Name	ATMOSPHERE PRESSURE SENSOR
Connector Type	RH04PB



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	BG	-
3	SB	-

Connector No.	F77
Connector Name	GLOW PLUG No. 1
Connector Type	TYCO_0-093563T-1



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

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CONNECTOR INFORMATION

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ENGINE CONTROL HARNESS

Connector No.	F78
Connector Name	GLOW PLUG No. 2
Connector Type	TYCO 0-9953631-1



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

Connector No.	F78
Connector Name	GLOW PLUG No. 3
Connector Type	TYCO 0-9953631-1



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

Connector No.	F80
Connector Name	GLOW PLUG No. 4
Connector Type	TYCO 0-9953631-1



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

Connector No.	F81
Connector Name	TOM (TRANSMISSION CONTROL MODULE)
Connector Type	RH40FB-R28-L-RH



31	32	33	34	35	37	38	39	40	47	48
11	13	15	19	21	25	26	27	28	29	30
1	2	3	4	5	6	7	8	9	10	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	L RANGE SW
5	B	GND
7	Y	SENSOR GND
8	BR	CLOCK (SEL 2)
9	G	CHIP SELECT (SEL 1)
10	W	DATE I/O (SEL 3)
11	L	P RANGE SW
13	SB	CVT FLUID TEMP SENSOR
15	P	SECONDARY PRESSURE SENSOR
25	Y	SENSOR GND
26	LG	SENSOR POWER SOURCE
27	GR	STEP MOTOR D
28	V	STEP MOTOR C
29	BG	STEP MOTOR B
30	R	STEP MOTOR A
31	P	CAN-L
32	L	CAN-H
33	BG	PRIMARY SPEED SENSOR
34	R	SECONDARY SPEED SENSOR
35	V	TURBINE SENSOR
37	L	L/U SELECT SOLENOID VALVE
38	G	TORQUE CONVERTER CLUTCH SOLENOID VALVE
39	W	SECONDARY PRESSURE SOLENOID VALVE
40	Y	LINE PRESSURE SOLENOID VALVE
42	B	GND
44	G	G SENS
46	LG	VIGN
47	BG	BATT
48	Y	VIGN

Connector No.	F82
Connector Name	EXHAUST FUEL INJECTOR
Connector Type	RH02FB



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

Connector No.	F83
Connector Name	FUEL CUTOFF VALVE
Connector Type	RH02FB



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

Connector No.	F84
Connector Name	MASS AIR FLOW SENSOR
Connector Type	RH04FB



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

3	L	-
4	SB	-



Connector No.	F85
Connector Name	BATTERY TERMINAL WITH FUSIBLE LINK
Connector Type	-



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

Connector No.	F86
Connector Name	EXHAUST GAS TEMPERATURE SENSOR 2
Connector Type	HS02MW-TV



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

CONNECTOR INFORMATION

< WIRING DIAGRAM >

ENGINE CONTROL HARNESS

Connector No.	F87
Connector Name	EXHAUST GAS PRESSURE SENSOR 1
Connector Type	TYCO 1-9967642-1



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

Connector No.	F88
Connector Name	EXHAUST GAS TEMPERATURE SENSOR 1
Connector Type	RH02FBR



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

Connector No.	F89
Connector Name	ENGINE COOLANT TEMPERATURE SENSOR
Connector Type	GT78430000DF



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

3	P	-
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Connector No.	F90
Connector Name	FUEL PUMP TEMPERATURE SENSOR
Connector Type	FCJ21PC022S8049



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

Connector No.	F91
Connector Name	CAMSHAFT POSITION SENSOR (PHASE)
Connector Type	RH03FB



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

Connector No.	F92
Connector Name	CRANKSHAFT POSITION SENSOR (POS)
Connector Type	RH02FGY



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

Connector No.	F93
Connector Name	FUEL RAIL PRESSURE SENSOR
Connector Type	FCJ21PC032S2019



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

Connector No.	F94
Connector Name	TURBOCHARGER BOOST SENSOR
Connector Type	BOSCH 192840473



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	5V
2	G	GND
3	L	VS

Connector No.	F95
Connector Name	EGR VOLUME CONTROL VALVE
Connector Type	TEP-42121200



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

Connector No.	F96
Connector Name	EXHAUST GAS PRESSURE SENSOR 2
Connector Type	RH03FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	SB	+5V
2	B	GROUND
3	LG	SIGNAL

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CONNECTOR INFORMATION

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ENGINE CONTROL HARNESS

Connector No.	F97
Connector Name	EGR COOLER BYPASS CONTROL SOLENOID VALVE
Connector Type	TYCO 0-0282788-1



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

Connector No.	F98
Connector Name	HIGH PRESSURE SUPPLY PUMP
Connector Type	FCI 211P0022S9049



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

Connector No.	F99
Connector Name	HIGH PRESSURE SUPPLY PUMP
Connector Type	FCI 211P0022S9049



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

Connector No.	F100
Connector Name	EXHAUST VALVE TIMING CONTROL SOLENOID VALVE
Connector Type	ED2FC-RS-LGY



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

Connector No.	F101
Connector Name	STARTER MOTOR
Connector Type	-



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

Connector No.	F102
Connector Name	ELECTRIC THROTTLE CONTROL ACTUATOR
Connector Type	RH06FB



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

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

Connector No.	F103
Connector Name	OIL LEVEL SENSOR
Connector Type	RM20FLGY



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

Connector No.	F104
Connector Name	OIL LEVEL SENSOR
Connector Type	BS202FB-H



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

Connector No.	F105
Connector Name	OIL LEVEL SENSOR
Connector Type	ITYCO 0-0282788-1



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

Connector No.	F106
Connector Name	EVAP CANISTER PURGE VOLUME CONTROL SOLENOID VALVE
Connector Type	ED2FL-RS-LGY



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

Connector No.	F107
Connector Name	CRANKSHAFT POSITION SENSOR
Connector Type	RM03FB



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

CONNECTOR INFORMATION

< WIRING DIAGRAM >

ENGINE CONTROL HARNESS

Connector No.	F108
Connector Name	ALTERNATOR
Connector Type	-



Terminal No.	4	Color of Wire	-	Signal Name [Specification]	-
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Connector No.	F109
Connector Name	CAMSHAFT POSITION SENSOR
Connector Type	RH03FB



Terminal No.	1	Color of Wire	GR	Signal Name [Specification]	-
2	L	-	-	-	-
3	BR	-	-	-	-

Connector No.	F110
Connector Name	EXHAUST VALVE TIMING CONTROL POSITION SENSOR
Connector Type	RH03FB



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

3	LG	-
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Connector No.	F201
Connector Name	THERMOPLUNGER CONTROL UNIT
Connector Type	TYCO 1355164-1



Terminal No.	9	Color of Wire	O	Signal Name [Specification]	BOUGIE 4 (B4)
10	Y	-	-	-	BOUGIE 1 (B1)
11	G	-	-	-	BOUGIE 2 (B2)
12	L	-	-	-	BOUGIE 3 (B3)

Connector No.	F202
Connector Name	THERMOPLUNGER No. 1
Connector Type	SIAC 5721-M



Terminal No.	1	Color of Wire	Y	Signal Name [Specification]	THERMOPLUG-1
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Connector No.	F203
Connector Name	THERMOPLUNGER No. 2
Connector Type	SIAC 5721-M



Terminal No.	1	Color of Wire	G	Signal Name [Specification]	THERMOPLUG-2
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Connector No.	F204
Connector Name	THERMOPLUNGER No. 3
Connector Type	SIAC 5721-M



Terminal No.	1	Color of Wire	L	Signal Name [Specification]	THERMOPLUG-3
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Connector No.	F205
Connector Name	THERMOPLUNGER No. 4
Connector Type	SIAC 5721-M



Terminal No.	1	Color of Wire	O	Signal Name [Specification]	THERMOPLUG-4
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CONNECTOR INFORMATION

< WIRING DIAGRAM >

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MAIN HARNESS

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



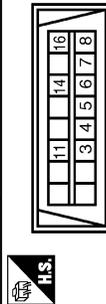
Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-

Connector No.	M2
Connector Name	FUSE BLOCK (J/B)
Connector Type	M01FW-LC



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

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



Terminal No.	Color of Wire	Signal Name [Specification]
4	B	-
5	B	-
6	L	-
7	W	-

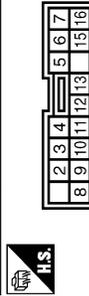
8	LG	-
14	P	-
16	Y	-

Connector No.	M6
Connector Name	HEADLAMP AIMING SWITCH
Connector Type	A04FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	B	-
3	V	-
4	GR	-

Connector No.	M7
Connector Name	DOOR MIRROR REMOTE CONTROL SWITCH
Connector Type	TK16FW



Terminal No.	Color of Wire	Signal Name [Specification]
2	P	-
3	V	-
4	LG	-
5	G	-
6	Y	-
7	BR	-
9	SB	-
11	P	-
12	B	-
13	R	- [With Intelligent Key]
13	L	- [Without Intelligent Key]
13	GR	-
16	V	-

Connector No.	M8
Connector Name	DOOR MIRROR OPEN RELAY
Connector Type	MS03FB-M2-LC



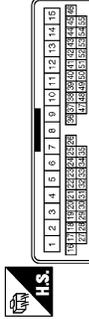
Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	V	-
3	W	-
4	SB	-
5	GR	-

Connector No.	M9
Connector Name	DOOR MIRROR CLOSE RELAY
Connector Type	MS03FB-M2-LC



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	V	-
3	R	-
4	P	-
5	Y	-

Connector No.	M10
Connector Name	WIRE TO WIRE
Connector Type	TH40MH-GS15



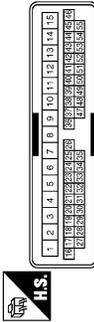
Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	G	-
3	SB	-
4	V	-
13	GR	-
14	BR	-
15	L	-
40	LG	-
41	Y	-
43	V	-
44	V	-
45	LG	-
46	BR	-
50	P	-
51	B	-
53	B	-
54	R	-
55	W	-

CONNECTOR INFORMATION

< WIRING DIAGRAM >

MAIN HARNESS

Connector No.	M11
Connector Name	WIRE TO WIRE
Connector Type	TH40MW-CS1.5



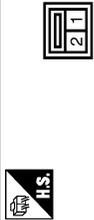
Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
2	W	-
3	W	-
4	V	-
7	R	-
8	G	-
9	LG	-
10	Y	-
11	GR	-
12	BR	-
13	B	-
14	L	-
15	P	-
40	V	-
41	P	-
42	GR	-
43	V	-
44	P	-
45	G	-
46	Y	-
47	GR	-
50	LG	-
52	BR	-
54	R	-
55	W	-

Connector No.	M12
Connector Name	STEERING LOCK UNIT
Connector Type	TH08FW-IH



Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	S/L 12V (MECHANICAL)
2	Y	K LINE
3	W	S/L CONDITION 1
5	B	GND
6	B	GND
7	L	S/L 12V (CPU)
8	P	S/L CONDITION 2

Connector No.	M14
Connector Name	TWEETER RH
Connector Type	TK02FBR



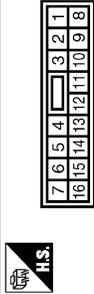
Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	R	-

Connector No.	M15
Connector Name	TWEETER LH
Connector Type	TK02FBR



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

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



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	L	-
6	V	-
7	SB	-
8	V	-
10	W	-
11	BR	-
12	Y	-
13	V	-
14	Y	-
15	LG	-
16	L	-

Connector No.	M19
Connector Name	WIRE TO WIRE
Connector Type	NS16FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	P	-
2	Y	-
4	W	-
6	SB	-
7	V	-
8	G	-
10	V	-
11	LG	-
12	W	-
13	R	-
14	G	- (LHD models)
14	BR	- (RH models)
15	L	-
16	G	-

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CONNECTOR INFORMATION

< WIRING DIAGRAM >

MAIN HARNESS

Connector No.	M20
Connector Name	WIRE TO WIRE
Connector Type	TH40MW-CS15

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
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Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	G	-
3	W	-
4	V	-
5	V	- [With Intelligent Key]
5	G	- [Without Intelligent Key]
7	R	-
8	BR	-
9	LG	-
10	Y	-
11	W	-
12	GR	-
13	B	-
14	L	-
15	P	-
40	LG	-
41	Y	-
42	GR	-
44	V	-
45	LG	-
46	BR	-
50	P	-
51	GR	-
52	BR	-
54	R	-
55	W	-

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

16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
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Terminal No.	Color of Wire	Signal Name [Specification]
13	W	-
14	LG	-
15	L	-
16	P	-
17	LG	-
18	W	-
19	G	-
20	R	-
27	SHIELD	-
28	V	-
29	L	-
30	LG	-
32	W	-
32	V	- [LHD models]
		- [RHD models]

Connector No.	M22
Connector Name	WIRE TO WIRE
Connector Type	TH40MW-CS15

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
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Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
2	W	-
3	SB	-
4	V	-
5	G	- [With Intelligent Key]
5	G	- [Without Intelligent Key]
12	B	-
13	W	-

14	GR	-
15	L	-
40	V	-
41	P	-
42	GR	-
44	P	-
45	G	-
46	Y	-
50	LG	-
51	B	-
52	BR	-
54	R	-
55	W	-

Connector No.	M23
Connector Name	WIRE TO WIRE
Connector Type	NH10MW-CS10

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
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Terminal No.	Color of Wire	Signal Name [Specification]
9	BR	-
10	P	-
11	R	-
12	SHIELD	-
13	G	-
15	B	-
16	R	-
17	LG	-
18	B	-

Connector No.	M24
Connector Name	KEY SWITCH
Connector Type	TK03MGY



1	2	3	4
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Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
2	Y	-

Connector No.	M25
Connector Name	PTC HEATER CONTROL UNIT
Connector Type	TH16FW-NH



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
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Terminal No.	Color of Wire	Signal Name [Specification]
1	L	CAN-H
2	B	GROUND
3	SB	IGNITION POWER SUPPLY
4	P	PTC HEATER CONTROL UNIT CONNECTION RECOGNITION SIGNAL
5	R	AMBIENT SENSOR GROUND
9	P	CAN-L
10	Y	BATTERY POWER SUPPLY
12	GR	AMBIENT SENSOR SIGNAL
13	GR	BLUWERMOTOR F/19 SIGNAL
14	V	PTC RELAY-1 CONTROL SIGNAL
15	LG	PTC RELAY-2 CONTROL SIGNAL
16	P	PTC RELAY-3 CONTROL SIGNAL

Connector No.	M26
Connector Name	NATS ANTENNA AMP.
Connector Type	TH04FW-NH



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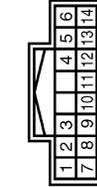
Terminal No.	Color of Wire	Signal Name [Specification]
1	V	BAT
2	P	CLK
3	B	GUID
4	LG	DATA

CONNECTOR INFORMATION

< WIRING DIAGRAM >

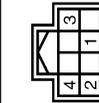
MAIN HARNESS

Connector No.	M27
Connector Name	COMBINATION SWITCH
Connector Type	TH08FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	WASHER (RR) [LHD models]
1	P	WASHER (RR) [RHD models]
2	GR	OUTPUT 4
3	W	WASHER (FR)
4	SB	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.	M28
Connector Name	ESP OFF SWITCH
Connector Type	TH08FB-NH



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

Connector No.	M29
Connector Name	IGNITION SWITCH
Connector Type	IM08FW-LC



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	BR	-
3	R	-
4	Y	-
5	W	-

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



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

Connector No.	M31
Connector Name	PARKING BRAKE SWITCH
Connector Type	FO1FB-A



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

Connector No.	M32
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TK08FY-EX-1V



Terminal No.	Color of Wire	Signal Name [Specification]
21	SB	-
22	L	-
23	V	-
28	Y	-
30	Y/G	-

Connector No.	M33
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TK08FGY-1V



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

24	G	-
25	P	-
26	GR	-
27	Y	-
31	R	-
32	B	-
33	SHIELD	- [W/O NAVI]
33	V	- [W/O NAVI]
34	LG	-

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CONNECTOR INFORMATION

< WIRING DIAGRAM >

MAIN HARNESS

Connector No.	M34
Connector Name	COMBINATION METER
Connector Type	TH00FW-RH

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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Terminal No.	Color of Wire	Signal Name [Specification]
1	L	CAN-H
2	P	CAN-L
4	Y	VEHICLE SPEED SIGNAL (8-PULSE)
6	BR	FUEL LEVEL SENSOR SIGNAL
7	R	AIR BAG SIGNAL
8	P	OVER DIVE CONTROL SWITCH SIGNAL
9	W	SEAT BELT BUCKLE SWITCH SIGNAL (DRIVER SIDE)
10	SB	PARKING BRAKE SWITCH SIGNAL
11	G	SEAT BELT BUCKLE SWITCH SIGNAL (PASSENGER SIDE)
14	R	MANUAL MODE SHIFT UP SIGNAL
15	L	ACC POWER SUPPLY
16	W	MANUAL MODE SHIFT DOWN SIGNAL
18	R	SECURITY SIGNAL
18	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	ESP GROUND
27	LG	BATTERY POWER SUPPLY
28	GR	IGNITION SIGNAL
29	V	SEAT BELT BUCKLE SWITCH SIGNAL (PASSENGER SIDE)
30	R	STOP LAMP SWITCH SIGNAL
31	P	A/C AUTO AMP - PPT (FAIRER CONTROL UNIT CONNECTOR) RECIPIENT SIGNAL
36	Y	MANUAL MODE SIGNAL
37	G	NON-MANUAL MODE SIGNAL
38	P	ALTERNATOR SIGNAL
39	Y	OIL LEVEL SENSOR SIGNAL
40	SB	OIL LEVEL SENSOR GROUND

Connector No.	M37
Connector Name	EPS CONTROL UNIT
Connector Type	TH08FW-RH

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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Terminal No.	Color of Wire	Signal Name [Specification]
1	P	CAN-L
2	L	CAN-H
4	LG	IGN

Connector No.	M38
Connector Name	EPS CONTROL UNIT
Connector Type	L02FE-MC



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



Terminal No.	1	Y	Signal Name [Specification]
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Connector No.	M40
Connector Name	BLOWER MOTOR
Connector Type	M02FW-GY-LC

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	L	- (Except for automatic A/C)
2	R	- (With automatic A/C)

Connector No.	M41
Connector Name	IN-VEHICLE SENSOR
Connector Type	A02FW



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	IN-VEHICLE SENSOR SIGNAL
2	R	SENSOR GROUND

Connector No.	M42
Connector Name	INTAKE SENSOR
Connector Type	TK02FBR



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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Terminal No.	Color of Wire	Signal Name [Specification]
1	V	INTAKE SENSOR SIGNAL
2	R	SENSOR GROUND

Connector No.	M43
Connector Name	THERMO CONTROL AMP.
Connector Type	C04FBR



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	B	-
3	BR	-

Connector No.	M44
Connector Name	THERMO CONTROL AMP.
Connector Type	S08FW



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	BR	-
3	B	-
4	R	-
5	L	-

CONNECTOR INFORMATION

< WIRING DIAGRAM >

MAIN HARNESS

Connector No.	M45
Connector Name	HAZARD SWITCH
Connector Type	TK6AFW



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

Connector No.	M46
Connector Name	OPTION CONNECTOR FOR AUDIO UNIT
Connector Type	TH18FW-GSZ



Terminal No.	Color of Wire	Signal Name [Specification]
2	W	-
3	GR	-
4	LG	-
5	W	-
7	L	-
9	V	-
11	G	-
12	R	-
13	BR	-
14	Y	-
19	BR	-
20	B	-

Connector No.	M47
Connector Name	HEATER CONTROL
Connector Type	SEA09EP-SHA6



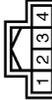
Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
2	W	-
3	R	-
4	Y	-
5	L	-
6	B	-
7	V	-
8	R	-
9	W	-
10	B	-
15	B	-

Connector No.	M48
Connector Name	4WD MODE SWITCH
Connector Type	TK08FW-IV



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	NAVS ANTENNA AMP.
Connector Type	TH40FW-NH



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

Connector No.	M50
Connector Name	A/C AUTO AMP.
Connector Type	TH40FW-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 PBR POWER SUPPLY
9	P	A/C AUTO AMP. CONNECTION/REGISTRATION SIGNAL
10	R	SENSOR GROUND
11	SB	IGNITION POWER SUPPLY
12	Y	BATTERY POWER SUPPLY
13	GR	POWER TRANSISTOR CONTROL SIGNAL
14	LG	BLOWER FAN ON SIGNAL
15	V	A/C ON SIGNAL
17	BR	A-MIX DRIVE SIGNAL 4
18	GR	A-MIX DRIVE SIGNAL 3
19	W	A-MIX DRIVE SIGNAL 2
20	L	A-MIX DRIVE SIGNAL 1

21	G	IGNITION POWER SUPPLY
22	SB	INTAKE DOOR MOTOR PBR 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.	M51
Connector Name	WIRE TO WIRE
Connector Type	MB4FW-LC



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

Connector No.	M52
Connector Name	A/C CONTROL (MODE SWITCH)
Connector Type	DMFW



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

JCMWA5939GB

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

CONNECTOR INFORMATION

< WIRING DIAGRAM >

MAIN HARNESS

Connector No.	M53
Connector Name	A/C CONTROL
Connector Type	SEA03FB-SHA6



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

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

Connector No.	M54
Connector Name	INTAKE DOOR MOTOR
Connector Type	98193-0001



1	2	3	5	6
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Terminal No.	Color of Wire	Signal Name [Specification]
1	W	INTAKE DOOR MOTOR PBR POWER SUPPLY
2	SB	INTAKE DOOR MOTOR PBR F/B SIGNAL
3	R	GROUND
5	G	REC DRIVE SIGNAL
6	V	INTAKE DOOR MOTOR PBR F/B SIGNAL

Connector No.	M55
Connector Name	A/R MIX DOOR MOTOR
Connector Type	MAA08FB



1	4	
2	3	6

Terminal No.	Color of Wire	Signal Name [Specification]
1	W	A/MIX DRIVE SIGNAL 2
2	SB	IGNITION POWER SUPPLY
3	BR	A/MIX DRIVE SIGNAL 4
4	L	A/MIX DRIVE SIGNAL 1
6	GR	A/MIX DRIVE SIGNAL 3

Connector No.	M56
Connector Name	WIRE TO WIRE
Connector Type	SOBFW



1	2	3
4	5	

Terminal No.	Color of Wire	Signal Name [Specification]
1	V	-
2	Y	-
3	P	-
4	R	-
5	SB	-

Connector No.	M57
Connector Name	CVT SHIFT SELECTOR
Connector Type	1H18FW-NH



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

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

Connector No.	M58
Connector Name	BLOWER FAN RESISTOR
Connector Type	MMFBR-1C



3	1	4	2
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Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	Y	-
3	R	-
4	W	-

Connector No.	M59
Connector Name	A/C AUTO AMP
Connector Type	1H40FW-NH



1	2	3	4	7	9	
21	22	23	26	27	28	
31	32	33	34	37	38	39

Terminal No.	Color of Wire	Signal Name [Specification]
1	L	CAN-H
2	B	GROUND
3	Y	BATTERY POWER SUPPLY
6	P	A/C AUTO AMP CONNECTION RECOGNITION SIGNAL
7	GR	AMBIENT SENSOR SIGNAL
9	P	SUNLOAD SENSOR SIGNAL
13	G	IGNITION POWER SUPPLY F/B SIGNAL
14	L	FAN CONTROL AMP. CONTROL SIGNAL
16	V	DOOR MOTOR LIN SIGNAL
17	W	DOOR MOTOR POWER SUPPLY
19	Y	PTC RELAY-1 CONTROL SIGNAL
20	P	PTC RELAY-3 CONTROL SIGNAL
21	P	CAN-L
22	B	GROUND
23	SB	IGNITION POWER SUPPLY
26	R	SENSOR GROUND
27	LG	IN-VEHICLE SENSOR SIGNAL
28	V	INTAKE SENSOR SIGNAL
33	Y	A/C ON SIGNAL
34	R	BLOWER MOTOR F/B SIGNAL
37	B	DOOR MOTOR ON SIGNAL
38	LG	BLOWER FAN ON SIGNAL
39	Y	PTC RELAY-2 CONTROL SIGNAL

CONNECTOR INFORMATION

< WIRING DIAGRAM >

MAIN HARNESS

Connector No.	M60
Connector Name	POWER SOCKET
Connector Type	P02PB-Z



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

Connector No.	M61
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	NH28FY-EX



Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	IGN
2	B	GND
3	Y	DR 1 (+)
4	Y/G	DR 1 (-)
6	Y/R	ASI (+)
7	Y/B	ASI (-)
18	LG	ECZS (+)
19	V	ECZS (-)
22	SHIELD	SHIELD
23	R	AIR BAG W/L
25	G	CUTOFF TELLTALE
27	SB	ACTIVATE
28	GR	DEACTIVATE
57	L	DEPLOYMENT INFORMATION OUTPUT
58	L	CAN-H
60	P	CAN-L

Connector No.	M62
Connector Name	FRONT PASSENGER AIR BAG MODULE
Connector Type	TK02FY-EX-IV



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

Connector No.	M63
Connector Name	DIODE
Connector Type	ET02-2W



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

Connector No.	M64
Connector Name	INTAKE SENSOR
Connector Type	C02FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	INTAKE SENSOR SIGNAL
2	R	SENSOR GROUND

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



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	GR	DR DOOR UNLK SENS
9	R	STOP LAMP SW
10	W	REAR WINDOW DEF SW
11	L	IGN SW ACC
12	GR	DOOR LK & UNLK SW LOCK
13	BR	DOOR LK & UNLK SW UNLOCK
14	R	LEAS SENS SERIAL LINK
16	P	DOOR LK ST/ST IND OUTPUT
18	V	RECEIVER GND
19	BR	KYLS ENT RECEIV PWR SPLY
20	G	KYLS ENT RECEIV COMM
21	P	NATS ANT AMP
22	LG	ALARM LINK
23	R	SECURITY IND LAMP CONT
24	SB	DONGLE LINK
25	LG	NATS ANT AMP
26	BR	THERMO CONT AMP
27	Y	A/C SW
28	LG	BLOWER FAN SW
29	SB	HAZARD SW
30	L	BK DOOR OPENER SW
32	LG	COMBI SW OUTPUT 5
33	Y	COMBI SW OUTPUT 4
34	V	COMBI SW OUTPUT 3
35	R	COMBI SW OUTPUT 2
36	P	COMBI SW OUTPUT 1
37	GR	KEY SW
38	R	IGN SW ON
39	L	CAN-H
40	P	CAN-L

Connector No.	M66
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	FEA08FW-FHA6-SA



Terminal No.	Color of Wire	Signal Name [Specification]
56	W	DR DOOR UNLK OUTPUT
57	P	BAT FUSE
58	P	INT ROOM LAMP PWR SPLY
60	BR	INT ROOM LAMP CONT
63	SB	A/C IND OUTPUT
64	L	AIR BAG
65	Y	BAT (F/L)
66	P	PW PWR SPLY (BAT)
67	L	PW PWR SPLY (IGN)
68	SB	PASS. BR DOOR UNLK OUTPUT
69	V	ALL DOOR LOCK OUTPUT
70	B	GND

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

PG

CONNECTOR INFORMATION

< WIRING DIAGRAM >

MAIN HARNESS

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



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
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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
9	R	STOP LAMP SW 1
11	R	L&R SENS SERIAL LINK
12	GR	DOOR LK & UNLK SW UNLOCK
13	BR	DOOR LK & UNLK SW UNLOCK
15	W	REAR WINDOW DEF SW
16	P	DOOR LK STAT IND OUTPUT
17	LG	ALARM LINK
18	V	RECEIVER GND
18	BR	KYLS ENT RECEIV PWR SPLY
20	G	KYLS ENT RECEIV COMMT
21	P	NATS ANTENNA AMP
22	W	KYLS ENT RECEIV FSSI
23	R	SECURITY IND LAMP CONT
24	SB	DOUBLE LINK
25	LG	NATS ANTENNA AMP
26	BR	THERMO CONT AMP
27	Y	A/C SW
28	LG	BLOWER FAN SW
29	SB	HAZARD 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	R	COMBI SW OUTPUT 2
36	P	COMBI SW OUTPUT 1
37	G	DETENT SW
39	L	CAN-H
40	P	CAN-L

Connector No.	M69
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	FEA09FW-FHA6-SA



156	157	158	159	160	161	162	163	164
165	166	167	168	169	170			

Terminal No.	Color of Wire	Signal Name [Specification]
56	P	INT ROOM LAMP PWR SPLY
57	P	BAT (FUSE)
58	L	AIR BAG
59	V	SUPER LOCK OUTPUT
60	V	TURN SIG LH OUTPUT
61	W	TURN SIG RH OUTPUT
63	BR	INT ROOM LAMP CONT
64	R	CRANKING REQ (With CVT)
64	G	REVERSE SW (With M/T)
65	V	ALL DOOR LOCK OUTPUT
66	W	DR DOOR UNLK OUTPUT
67	B	GND
68	L	PW PWR SPLY (IGN)
68	P	PH PWR SPLY (BAT)
70	Y	BAT (F/L)

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



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
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Terminal No.	Color of Wire	Signal Name [Specification]
72	SB	A/C IND OUTPUT
74	V	AUTO RETR DOOR MIR OPER
75	LG	DR DOOR REG SW (LHD models)
75	P	DR DOOR REG SW (RHD models)
76	P	PASS DOOR REG SW (LHD models)
76	LG	PASS DOOR REG SW (RHD models)
78	P	DRIVER DOOR ANT+ (LHD models)

Terminal No.	Color of Wire	Signal Name [Specification]
78	LG	DRIVER DOOR ANT+ (RHD models)
79	V	DRIVER DOOR ANT- (LHD models)
79	Y	DRIVER DOOR ANT- (RHD models)
80	LG	PASS DOOR ANT+ (LHD models)
80	P	PASS DOOR ANT- (RHD models)
81	V	PASS DOOR ANT+ (LHD models)
81	V	PASS DOOR ANT- (RHD models)
82	W	REAR EMPR ANT+
83	LG	REAR EMPR ANT-
84	BR	ROOM ANT 1+
85	GR	ROOM ANT 1-
86	G	ROOM ANT 2+
87	R	ROOM ANT 2-
88	V	LUGGAGE ROOM ANT+
89	LG	LUGGAGE ROOM ANT-
90	W	PUSH-BTN IGN SW LLL PWR
91	V	ACC / ON IND
93	GR	I-KEY WARN BUZZER
94	Y	S/L UNIT COMM
95	L	S/L UNIT PWR SPLY
96	BR	ACC RELAY CONT
97	SB	STARTER RELAY CONT
98	P	IGN RELAY (PDM E/R) CONT
99	R	IGN RELAY (F/B) CONT
100	LG	PUSH SW
101	Y	GLITCH INTERLOCK SW (With M/T)
101	Y	IGN PWR SPLY NO. 2 (With CVT)
102	L	NEUTRAL SW (With M/T)
102	L	P/POSITION (With CVT)
104	SB	CVT SHIF SELECT PWR SPLY
105	V	STOP LAMP SW 2
106	Y	BLWR RELAY CONT
107	W	S/L CONDITION 1
108	P	S/L CONDITION 2

Connector No.	M71
Connector Name	HEATED SEAT RELAY
Connector Type	MS20FL-M2-LC



1	2	3	4	5
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Terminal No.	Color of Wire	Signal Name [Specification]
1	B	
2	LG	

3	G
5	V

Connector No.	M72
Connector Name	SUNLOAD SENSOR
Connector Type	K02FB



1	2
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Terminal No.	Color of Wire	Signal Name [Specification]
1	P	SUNLOAD SENSOR SIGNAL
2	R	SENSOR GROUND

Connector No.	M73
Connector Name	REMOTE KEYLESS ENTRY RECEIVER
Connector Type	TK04FW



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

CONNECTOR INFORMATION

< WIRING DIAGRAM >

MAIN HARNESS

Connector No.	M82
Connector Name	WIRE TO WIRE
Connector Type	TM04FW-LC



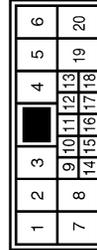
Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	GR	-
3	B	-
4	Y	-

Connector No.	M83
Connector Name	DOOR LOCK STATUS INDICATOR
Connector Type	TK02FW



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

Connector No.	M84
Connector Name	WIRE TO WIRE
Connector Type	NH10MW-CS10



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

1	G	-
2	Y	-
4	LG	-
5	G	-
7	LG	-
8	B	-
9	V	-
10	G	-
11	R	-
12	BR	-
13	GR	-
18	Y	-
19	R	-
20	L	-

Connector No.	M86
Connector Name	DOUBLE UNIT
Connector Type	NS08FBR-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
7	SB	-

Connector No.	M87
Connector Name	WIRE TO WIRE
Connector Type	TH08FW-NH



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

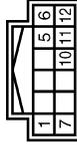
5	SB	-
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Connector No.	M89
Connector Name	WIRE TO WIRE
Connector Type	MO2FW-LC



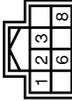
Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	SB	-

Connector No.	M90
Connector Name	MULTI DISPLAY UNIT
Connector Type	TH12FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	BAT
5	GR	-
6	L	CAN-H
7	LG	IGN
10	B	GND
11	B	GND
12	P	CAN-L

Connector No.	M99
Connector Name	OPTION CONNECTOR (1)
Connector Type	TH08FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	LG	-
3	P	-
6	BR	-
8	B	-

Connector No.	M101
Connector Name	PUSH-BUTTON IGNITION SWITCH
Connector Type	TK08FEB



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

CONNECTOR INFORMATION

< WIRING DIAGRAM >

MAIN HARNESS

Connector No.	M105
Connector Name	INSIDE KEY ANTENNA (INSTRUMENT CENTER)
Connector Type	RK02FL



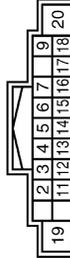
Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	-
2	GR	-

Connector No.	M106
Connector Name	INSIDE KEY ANTENNA (CONSOLE)
Connector Type	RK02FL



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

Connector No.	M107
Connector Name	NAVI CONTROL UNIT
Connector Type	TH18FW-GS2



Terminal No.	Color of Wire	Signal Name [Specification]
2	W	SOUND SIGNAL FRONT SPEAKER LH (+)
3	GR	SOUND SIGNAL FRONT SPEAKER LH (-)

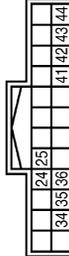
4	LG	SOUND SIGNAL REAR SPEAKER LH (+)
5	W	SOUND SIGNAL REAR SPEAKER LH (-)
6	G	STRG SW A
7	L	ACC
8	V	ILLUMINATION SIGNAL
11	G	SOUND SIGNAL FRONT SPEAKER RH (+)
12	R	SOUND SIGNAL FRONT SPEAKER RH (-)
13	BR	SOUND SIGNAL REAR SPEAKER RH (+)
14	Y	SOUND SIGNAL REAR SPEAKER RH (-)
15	SHIELD	STRG SW GND
16	R	STRG SW B
18	Y	VEHICLE SPEED SIGNAL (3-PULSE)
19	BR	BATTERY
20	B	GND

Connector No.	M110
Connector Name	OPTION CONNECTOR (3)
Connector Type	TK08FW-1V



Terminal No.	Color of Wire	Signal Name [Specification]
1	P	-
2	LG	-
3	LG	-
4	SB	-
6	B	-

Connector No.	M118
Connector Name	NAVI CONTROL UNIT
Connector Type	TH24FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
24	B	EG4

25	G	REVERSE SIGNAL
34	G	MICROPHONE SIGNAL
35	R	MICROPHONE VCC
36	SHIELD	MICROPHONE SHIELD
41	V	CAMERA IMAGE SIGNAL
42	SHIELD	SHIELD
43	LG	CAMERA POWER SUPPLY
44	L	CAMERA GND

Connector No.	M119
Connector Name	NAVI CONTROL UNIT
Connector Type	GT17S-8DS-HU



Terminal No.	Color of Wire	Signal Name [Specification]
45	B	USB GND
46	W	USB D+ SIGNAL
47	C	USB D- SIGNAL
48	R	V-BUS SIGNAL
49	Y	AUX SOUND SIGNAL LH (+)
50	BR	AUX SOUND SIGNAL RH (+)
51	L	AUX SOUND SIGNAL GND
52	SHIELD	SHIELD
53	SHIELD	SHIELD

Connector No.	M120
Connector Name	USB CONNECTOR AND AUX JACK
Connector Type	GT17S-8DS-HU



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

4	R	-
5	Y	-
6	BR	-
7	L	-
8	SHIELD	-
9	SHIELD	-

Connector No.	M121
Connector Name	FAN CONTROL AMP.
Connector Type	MG4FW-LC



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

Connector No.	M122
Connector Name	INTAKE DOOR MOTOR
Connector Type	AG3FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	LIN (+)
2	V	LIN (-)
3	B	ACTIF-GND

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CONNECTOR INFORMATION

< WIRING DIAGRAM >

MAIN HARNESS

Connector No.	M123
Connector Name	AIR MIX DOOR MOTOR
Connector Type	A03FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	LIN (+)
2	V	LIN (-)
3	B	ACTR-GND

Connector No.	M124
Connector Name	MODE DOOR MOTOR
Connector Type	A03FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	LIN (+)
2	V	LIN (-)
3	B	ACTR-GND

Connector No.	M126
Connector Name	FRONT PASSENGER AIR BAG OFF INDICATOR
Connector Type	TK02FBR



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	FRONT PASSENGER AIR BAG OFF INDICATOR

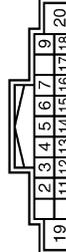
1	G	B
2		

Connector No.	M127
Connector Name	AIR BAG CUTOFF SWITCH
Connector Type	CA08FBR



Terminal No.	Color of Wire	Signal Name [Specification]
3	B	
5	GR	
6	SB	

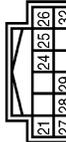
Connector No.	M128
Connector Name	AUDIO UNIT
Connector Type	TH18FW-CSZ



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	W	SOUND SIGNAL REAR SPEAKER LH (-)
6	G	STRG SW A
7	L	ACC
9	V	ILLUMINATION 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	STRG SW GND
16	B	STRG SW B
17	SB	DANGLE LINK
18	Y	VEHICLE SPEED (8-PULSE)

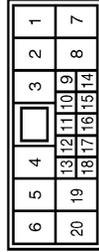
19	BR	BATTERY
20	B	GND

Connector No.	M129
Connector Name	AUDIO UNIT
Connector Type	TH12FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
21	B	EQ1
26	B	EQ3
27	G	MICROPHONE SIGNAL
28	SHIELD	SHIELD
29	R	MICROPHONE VCC

Connector No.	M201
Connector Name	WIRE TO WIRE
Connector Type	NH10FW-CS10



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	
2	GR	
4	W	- [HR engine without ASCD]
4	O	- [With ASCD or diesel engine]
5	G	
7	GR	
8	B	
9	V	
10	G	
11	R	
12	BR	
13	GR	
18	Y	

19	R	
20	L	

Connector No.	M202
Connector Name	BRAKE PEDAL POSITION SWITCH
Connector Type	M02FBR-LC



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

Connector No.	M203
Connector Name	ACCELERATOR PEDAL POSITION SENSOR
Connector Type	RI08FBR



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

CONNECTOR INFORMATION

< WIRING DIAGRAM >

MAIN HARNESS

Connector No.	M204
Connector Name	BRAKE SWITCH
Connector Type	M02FER-LC



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



Connector No.	M205
Connector Name	STOP LAMP SWITCH
Connector Type	M02FER-LC



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



Connector No.	M206
Connector Name	CLUTCH PEDAL POSITION SWITCH
Connector Type	M02FER-LC

Connector No.	M207
Connector Name	CLUTCH PEDAL POSITION SWITCH
Connector Type	M04FW-LC



Terminal No.	Color of Wire	Signal Name [Specification]
3	GR	-
4	B	-



Connector No.	M208
Connector Name	CLUTCH INTERLOCK SWITCH
Connector Type	M04FW-LC

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



Connector No.	M301
Connector Name	DRIVER AIR BAG MODULE
Connector Type	ACA02FY-2V

Connector No.	M302
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TK03FGY



Terminal No.	Color of Wire	Signal Name [Specification]
13	R	-
14	W	-
15	L	-
16	B	-
17	BR	-
18	G	-
19	P	-
20	Y	-



Connector No.	M303
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TK03FW

Terminal No.	Color of Wire	Signal Name [Specification]
35	V	-
36	O	-
37	GR	-



Connector No.	M304
Connector Name	ANTENNA BASE
Connector Type	GT13SSN-1/1PP-HU

Connector No.	M308
Connector Name	WIRE TO WIRE
Connector Type	GT13SS-1/S-HUGY



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



Connector No.	M309
Connector Name	WIRE TO WIRE
Connector Type	GT13SSN-1/1PP-HU

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



Connector No.	M310
Connector Name	ANTENNA AMP ON SIGNAL
Connector Type	AMP-FM MAIN

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

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CONNECTOR INFORMATION

< WIRING DIAGRAM >

MAIN HARNESS

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



Terminal No.	Color of Wire	Signal Name [Specification]
31	—	ANTENNA AMP_ON SIGNAL
32	—	AM-FM MAIN

Connector No.	M315
Connector Name	AUDIO UNIT
Connector Type	GT13SH-2/1S-HU



Terminal No.	Color of Wire	Signal Name [Specification]
33	—	ANTENNA AMP_ON SIGNAL
34	—	AM-FM MAIN

Connector No.	M316
Connector Name	NAVI CONTROL UNIT
Connector Type	GT13SH-2/1S-HU



Terminal No.	Color of Wire	Signal Name [Specification]
54	—	ANTENNA AMP_ON SIGNAL
55	—	ANTENNA SIGNAL

Connector No.	M317
Connector Name	NAVI CONTROL UNIT
Connector Type	FAKRA connector, female, Cords C



Terminal No.	Color of Wire	Signal Name [Specification]
56	—	GPS ANTENNA SIGNAL
57	—	SHIELD

Connector No.	M324
Connector Name	CVT SHIFT SELECTOR
Connector Type	TH16MW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	—
2	Y	—
3	W	—
4	L	— [HR engine]
4	P	— [MR engine]
5	G	—
6	G	—
7	BR	—
8	G	— [LHD models with MR engine]
8	GR	— [RHD models or HR engine]
9	GR	— [LHD models with MR engine]
9	G	— [RHD models or HR engine]
10	Y	—
11	L/W	—
12	R	— [HR engine]
12	O	— [MR engine]
13	R	— [HR engine]
13	LG	— [MR engine]

Connector No.	M325
Connector Name	PARK POSITION SWITCH
Connector Type	—



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

Connector No.	M326
Connector Name	SHIFT LOCK SOLENOID
Connector Type	Yazaki 7283-5845



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

Connector No.	M340
Connector Name	WIRE TO WIRE
Connector Type	TH16MW



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

3	—	—
4	—	—
5	—	—

Connector No.	M341
Connector Name	WIRE TO WIRE
Connector Type	SOBMW



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	—
2	Y	—
3	W	—
4	GR	—
5	B	—

Connector No.	M342
Connector Name	MODE DOOR MOTOR
Connector Type	—



Terminal No.	Color of Wire	Signal Name [Specification]
1	—	MODE DRIVE SIGNAL 1 [LHD models]
1	V	MODE DRIVE SIGNAL 1 [RHD models]
2	—	MODE DRIVE SIGNAL 2 [LHD models]
2	Y	MODE DRIVE SIGNAL 2 [RHD models]
3	—	MODE DRIVE SIGNAL 3 [LHD models]
3	W	MODE DRIVE SIGNAL 3 [RHD models]
4	—	MODE DRIVE SIGNAL 4 [LHD models]
4	GR	MODE DRIVE SIGNAL 4 [RHD models]
5	—	IGNITION POWER SUPPLY [LHD models]
5	B	IGNITION POWER SUPPLY [RHD models]

CONNECTOR INFORMATION

< WIRING DIAGRAM >

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MAIN HARNESS

Connector No.	M343
Connector Name	WIRE TO WIRE
Connector Type	M041MW



2	1
4	3

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

Connector No.	M344
Connector Name	POWER TRANSISTOR
Connector Type	-



1	4	2	3
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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

Connector No.	M345
Connector Name	WIRE TO WIRE
Connector Type	M041MW



2	1
4	3

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

Connector No.	M348
Connector Name	BLOWER FAN RESISTOR
Connector Type	-



4	3	2	1
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Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	G	-
3	L	-
4	R	-

Connector No.	M351
Connector Name	AUDIO UNIT
Connector Type	GT17S-8DS-HU



8	2	3	4
7	6	5	1

Terminal No.	Color of Wire	Signal Name [Specification]
45	B	USB GND
46	W	USB D- SIGNAL
47	G	USB D+ SIGNAL
48	R	V BUS SIGNAL
49	Y	AUX SOUND SIGNAL LH (+)
50	BR	AUX SOUND SIGNAL RH (+)
51	L	AUX SOUND SIGNAL GND
52	SHIELD	SHIELD
53	SHIELD	SHIELD

CONNECTOR INFORMATION

< WIRING DIAGRAM >

R Room Lamp Harness

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ROOM LAMP HARNESS

Connector No.	R1
Connector Name	WIRE TO WIRE
Connector Type	RH10PW-CS10



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

Terminal No.	Color of Wires	Signal Name [Specification]
9	V	-
10	R	-
11	R	-
12	SHIELD	-
13	G	-
15	SB	-
16	O	-
17	LG	-
18	B	-

Connector No.	R3
Connector Name	MICROPHONE
Connector Type	TKG4FW



1	2	3	4
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Terminal No.	Color of Wires	Signal Name [Specification]
1	G	MICROPHONE SIGNAL
2	SHIELD	MICROPHONE GND
4	R	MICROPHONE VCC

Connector No.	R4
Connector Name	MAP LAMP
Connector Type	GA408FW



6	5	4	3	2	1
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Terminal No.	Color of Wires	Signal Name [Specification]
2	V	-
3	B	-
4	R	-

Connector No.	RS
Connector Name	LIGHT & RAIN SENSOR
Connector Type	AA803FB



1	2	3
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Terminal No.	Color of Wires	Signal Name [Specification]
1	LG	-
2	O	-
3	SB	-

JCMWA5950GB

BATTERY INSPECTION

< BASIC INSPECTION >

BASIC INSPECTION

BATTERY INSPECTION

How to Handle Battery

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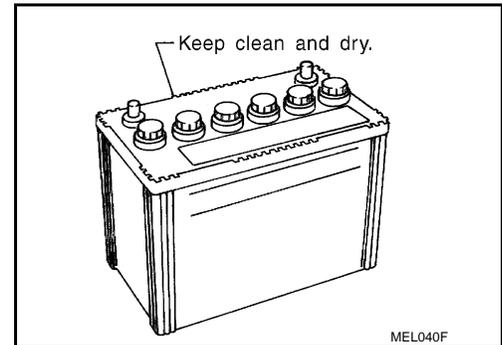
CAUTION:

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

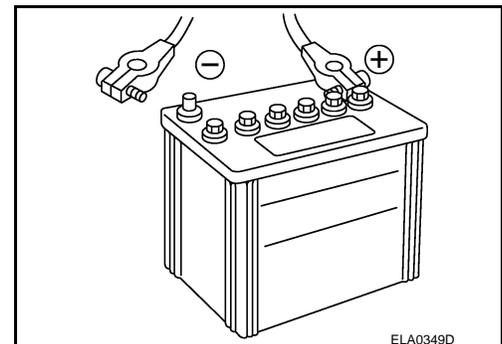
METHODS OF PREVENTING OVER-DISCHARGE

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

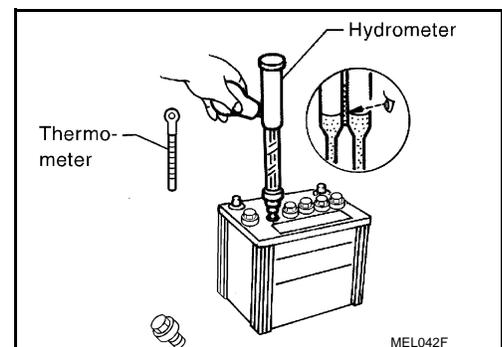
- The battery surface (particularly its top) should always be kept clean and dry.
- The terminal connections should be clean and tight.
- At every routine maintenance, check the electrolyte level. This also applies to batteries designated as "low maintenance" and "maintenance-free".



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



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



CHECKING ELECTROLYTE LEVEL

WARNING:

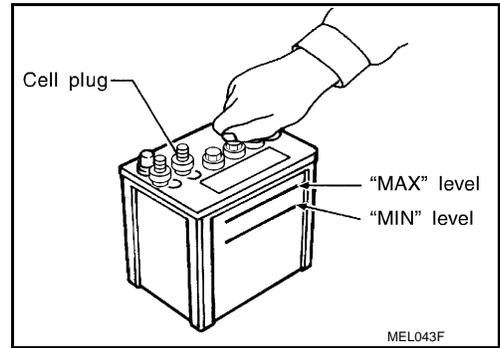
Never allow battery fluid to come in contact with skin, eyes, fabrics, or painted surfaces. After touching a battery, never touch or rub your eyes until you have thoroughly washed your hands. If acid contacts eyes, skin or clothing, immediately flush with water for 15 minutes and seek medical attention.

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BATTERY INSPECTION

< BASIC INSPECTION >

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

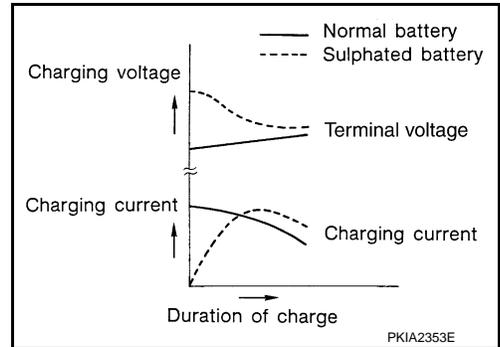


Sulphation

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.

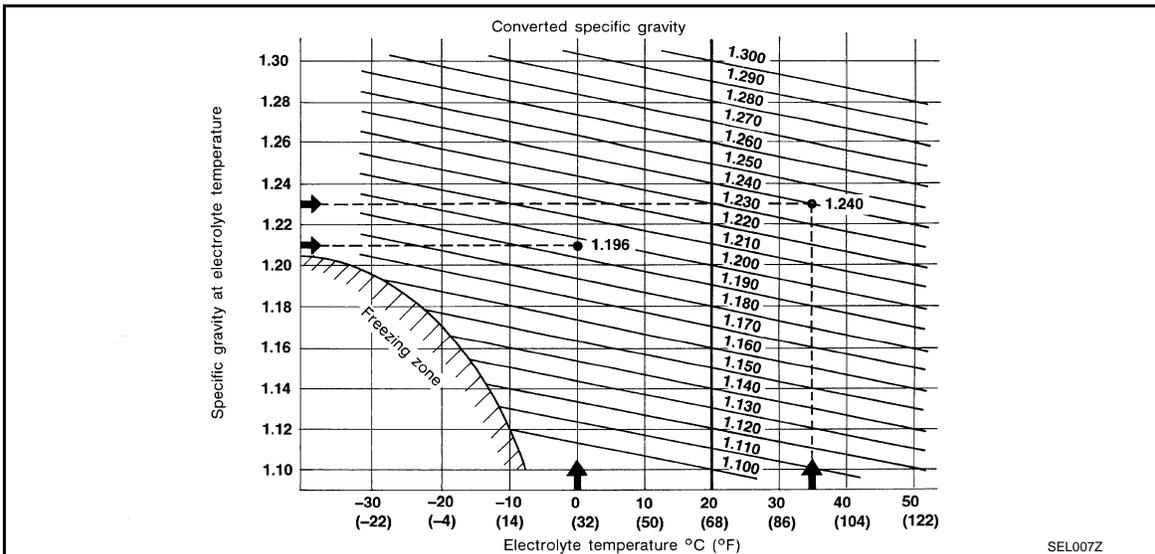
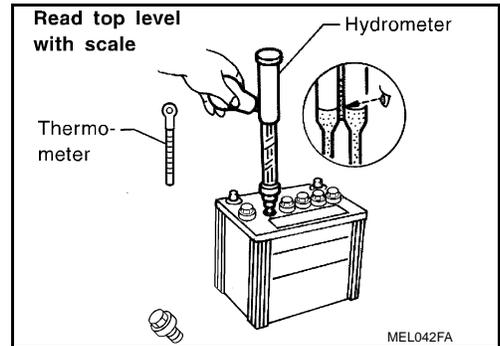


SPECIFIC GRAVITY CHECK

1. Read hydrometer and thermometer indications at eye level.
2. Convert into specific gravity at 20°C (68°F).

Example:

- When electrolyte temperature is 35°C (95°F) and specific gravity of electrolyte is 1.230, converted specific gravity at 20°C (68°F) is 1.240.
- When electrolyte temperature is 0°C (32°F) and specific gravity of electrolyte is 1.210, converted specific gravity at 20°C (68°F) is 1.196.



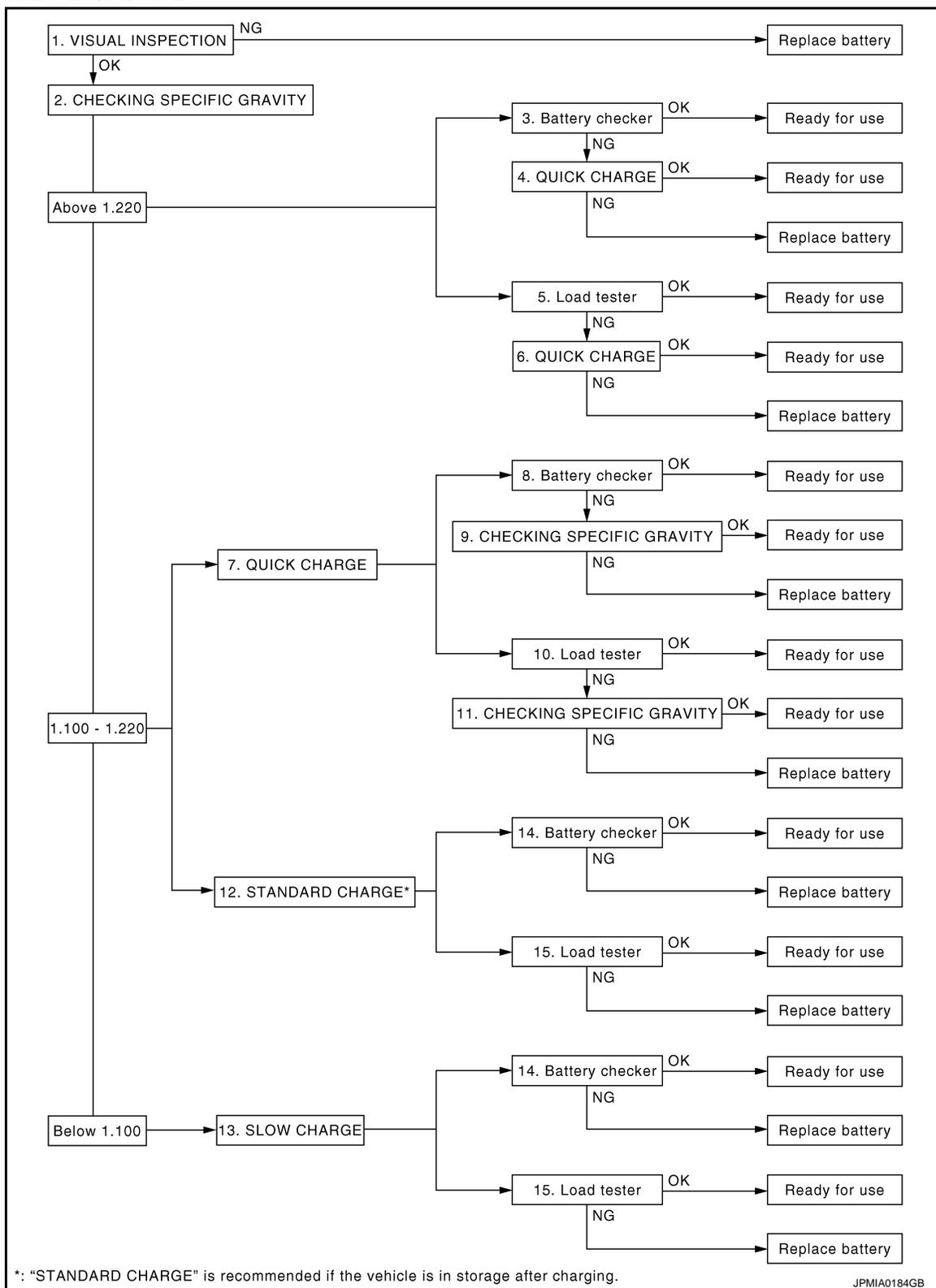
BATTERY INSPECTION

< BASIC INSPECTION >

Work Flow

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OVERALL SEQUENCE



DETAILED FLOW

1. VISUAL INSPECTION

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

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BATTERY INSPECTION

< BASIC INSPECTION >

3. If the difference between the max. and min. electrolyte level in cells is within 10 mm (0.39 in), it is OK.

Are these inspection results normal?

YES >> GO TO 2.

NO >> Replace battery.

2.CHECKING SPECIFIC GRAVITY

Check specific gravity. Refer to [PG-111, "How to Handle Battery"](#).

Inspection results

Above 1.220 (Test using battery checker)>>GO TO 3.

Above 1.220 (Test using load tester)>>GO TO 5.

1.100 - 1.220 (When performing quick charge)>>GO TO 7.

1.100 - 1.220 (When performing standard charge)>>GO TO 12.

Below 1.100>>GO TO 13.

3.CAPACITY TEST

Test using battery checker.

Is the battery usable, according to the manufacturer's instructions?

YES >> Ready for use. Mount battery again and check loose terminals. Also check other related circuits.

NO >> GO TO 4.

4.QUICK CHARGE

1. Perform quick charge. Time required: 45 min. Refer to [PG-122, "Quick Charge"](#).

2. Test using battery checker.

Is the battery usable, according to the manufacturer's instructions?

YES >> Ready for use.

NO >> Replace battery.

5.CAPACITY TEST

1. Test using load tester.

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

Discharging Current (Load Tester)

Type	Current (A)
28B19L/R	90
34B19L/R	99
46B24L/R	135
55B24L/R	
50D23L/R	150
55D23L/R	180
80D23L/R	195
65D26L/R	
80D26L/R	
75D31L/R	210
95D31L/R	240
115D31L/R	
025 [YUASA type code]	
027 [YUASA type code]	285
110D26L/R	300
95E41L/R	
067 [YUASA type code]	325
130E41L/R	330
096 [YUASA type code]	375

3. Read load tester voltage when specified discharging current flows through battery for 15 seconds.

BATTERY INSPECTION

< BASIC INSPECTION >

Is the voltage 9.6 V or more?

- YES >> Ready for use.
- NO >> GO TO 6.

6. QUICK CHARGE

1. Perform quick charge. Time required: 45 min. Refer to [PG-122. "Quick Charge"](#).
2. Test using load tester.

Is the voltage 9.6 V or more?

- YES >> Ready for use.
- NO >> Replace battery.

7. QUICK CHARGE

1. Perform quick charge. Refer to [PG-122. "Quick Charge"](#).
2. Perform capacity test.

- Test using battery checker.>>GO TO 8.
- Test using load tester.>>GO TO 10.

8. CAPACITY TEST

Test using battery checker.

Is the battery usable, according to the manufacturer's instructions?

- YES >> Ready for use.
- NO >> GO TO 9.

9. CHECKING SPECIFIC GRAVITY

1. Check specific gravity. Refer to [PG-111. "How to Handle Battery"](#).
2. Perform recharge. Refer to [PG-122. "Quick Charge"](#).

NOTE:

If battery temperature rises above 55°C (131°F), stop charging. Always charge battery when its temperature is below 55°C (131°F).

3. Test using battery checker.

Is the battery usable, according to the manufacturer's instructions?

- YES >> Ready for use.
- NO >> Replace battery.

10. CAPACITY TEST

1. Test using load tester.
2. Check battery type and determine the specified current using the table.

Discharging Current (Load Tester)

Type	Current (A)
28B19L/R	90
34B19L/R	99
46B24L/R	135
55B24L/R	
50D23L/R	150
55D23L/R	180
80D23L/R	195
65D26L/R	
80D26L/R	
75D31L/R	210
95D31L/R	240
115D31L/R	
025 [YUASA type code]	

BATTERY INSPECTION

< BASIC INSPECTION >

Type	Current (A)
027 [YUASA type code]	285
110D26L/R	300
95E41L/R	
067 [YUASA type code]	325
130E41L/R	330
096 [YUASA type code]	375

3. Read load tester voltage when specified discharging current flows through battery for 15 seconds.

Is the voltage 9.6 V or more?

YES >> Ready for use.

NO >> GO TO 11.

11. CHECKING SPECIFIC GRAVITY

1. Check specific gravity. Refer to [PG-111, "How to Handle Battery"](#).

2. Perform recharge. Refer to [PG-122, "Quick Charge"](#).

NOTE:

If battery temperature rises above 55°C (131°F), stop charging. Always charge battery when its temperature is below 55°C (131°F).

3. Test using load tester.

Is the voltage 9.6 V or more?

YES >> Ready for use.

NO >> Replace battery.

12. STANDARD CHARGE

NOTE:

"STANDARD CHARGE" is recommended if the vehicle is in storage after charging.

1. Perform standard charge. Refer to [PG-121, "Standard Charge"](#).

2. Perform capacity test.

Test using battery checker.>>GO TO 14.

Test using load tester.>>GO TO 15.

13. SLOW CHARGE

1. Perform slow charge. Refer to [PG-120, "Slow Charge"](#).

2. Perform capacity test.

Test using battery checker.>>GO TO 14.

Test using load tester.>>GO TO 15.

14. CAPACITY TEST

Test using battery checker.

Is the battery usable, according to the manufacturer's instructions?

YES >> Ready for use.

NO >> Replace battery.

15. CAPACITY TEST

1. Test using load tester.

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

Discharging Current (Load Tester)	
Type	Current (A)
28B19L/R	90
34B19L/R	99
46B24L/R	135
55B24L/R	

BATTERY INSPECTION

< BASIC INSPECTION >

Type	Current (A)	
50D23L/R	150	A
55D23L/R	180	
80D23L/R		B
65D26L/R	195	
80D26L/R		
75D31L/R	210	C
95D31L/R		
115D31L/R	240	D
025 [YUASA type code]		
027 [YUASA type code]	285	
110D26L/R		E
95E41L/R	300	
067 [YUASA type code]	325	F
130E41L/R	330	
096 [YUASA type code]	375	G

3. Read load tester voltage when specified discharging current flows through battery for 15 seconds.

Is the voltage 9.6 V or more?

- YES >> Ready for use.
- NO >> Replace battery.

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FUSE INSPECTION

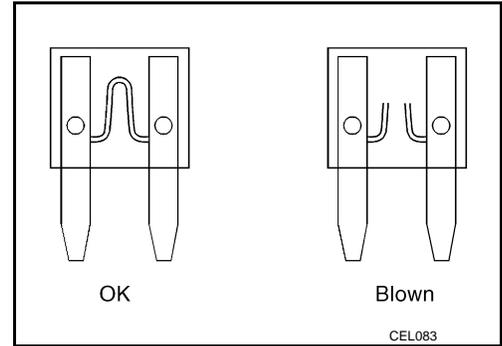
< BASIC INSPECTION >

FUSE INSPECTION

How To Check

INFOID:000000006484298

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



FUSIBLE LINK INSPECTION

< BASIC INSPECTION >

FUSIBLE LINK INSPECTION

How To Check

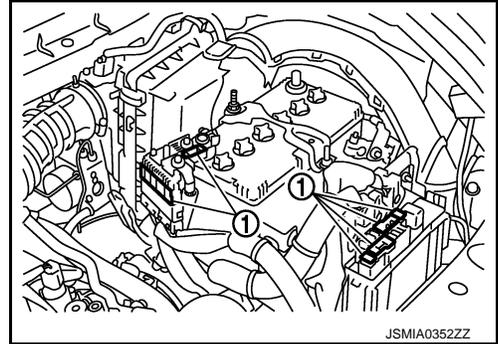
INFOID:000000006484299

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 CHARGING CHART

< BASIC INSPECTION >

BATTERY CHARGING CHART

Slow Charge

INFOID:000000006484300

1. DETERMINE INITIAL CHARGING CURRENT

1. Determine initial charging current from specific gravity.
2. Check battery type and determine the specified current using the table.

NOTE:

After starting charging, adjustment of charging current is not necessary.

Initial Charging Current Setting (Slow Charge)

CONVERTED SPECIFIC GRAVITY	BATTERY TYPE																	
	28B19L/R	34B19L/R	46B24L/R	55B24L/R	50D23L/R	55D23L/R	025 [YUASA type code]	027 [YUASA type code]	80D23L/R	65D26L/R	80D26L/R	067 [YUASA type code]	096 [YUASA type code]	75D31L/R	95D31L/R	115D31L/R	110D26L/R	95E41L/R
Below 1.100	4.0 (A)	5.0 (A)	7.0 (A)				8.0 (A)				8.5 (A)	9.0 (A)	10.0 (A)				14.0 (A)	

>> GO TO 2.

2. CHARGE BATTERY

1. Charge battery.
2. Check charge voltage 30 minutes after starting the battery charge.

Is the voltage between 12 V and 15 V?

- YES >> GO TO 3.
 NO >> Replace battery.

3. CHARGE BATTERY

Continue to charge for 12 hours.

>> GO TO 4.

4. CHECKING SPECIFIC GRAVITY

Check specific gravity. Refer to [PG-111, "How to Handle Battery"](#).

Is the specific gravity 1.240 or more?

- YES >> Complete slow charge. Perform "CAPACITY TEST". Refer to [PG-113, "Work Flow"](#).
 NO >> GO TO 5.

5. CONDUCT ADDITIONAL CHARGE

Add charging time depending on specific gravity.

Additional Charge (Slow Charge)

SPECIFIC GRAVITY	CHARGING TIME (h)
Below 1.150	5
1.150 - 1.200	4
1.200 - 1.240	2

>> Complete slow charge. Perform "CAPACITY TEST". Refer to [PG-113, "Work Flow"](#).

CAUTION:

- Set charging current to value specified in "Initial Charging Current Setting (Slow Charge)". If charger is not capable of producing specified current value, set its charging current as close to that value as possible.

BATTERY CHARGING CHART

< BASIC INSPECTION >

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

Standard Charge

INFOID:000000006484301

1. DETERMINE INITIAL CHARGING CURRENT

1. Determine initial charging current from specific gravity.
2. Check battery type and determine the specified current using the table.

NOTE:

After starting charging, adjustment of charging current is not necessary.

Initial Charging Current Setting (Standard Charge)

CONVERTED SPECIFIC GRAVITY	BATTERY TYPE																		
	28B19L/R	34B19L/R	46B24L/R	55B24L/R	50D23L/R	55D23L/R	025 [YUASA type code]	027 [YUASA type code]	80D23L/R	65D26L/R	80D26L/R	067 [YUASA type code]	096 [YUASA type code]	75D31L/R	95D31L/R	115D31L/R	110D26L/R	95E41L/R	130E41L/R
1.100 - 1.130	4.0 (A)		5.0 (A)		6.0 (A)				7.0 (A)				8.0 (A)		9.0 (A)			13.0 (A)	
1.130 - 1.160	3.0 (A)		4.0 (A)		5.0 (A)				6.0 (A)				7.0 (A)		8.0 (A)			11.0 (A)	
1.160 - 1.190	2.0 (A)		3.0 (A)		4.0 (A)				5.0 (A)				6.0 (A)		7.0 (A)			9.0 (A)	
1.190 - 1.220	2.0 (A)		2.0 (A)		3.0 (A)				4.0 (A)				5.0 (A)		5.0 (A)			7.0 (A)	

>> GO TO 2.

2. CHARGE BATTERY

Charge battery for 8 hours.

>> GO TO 3.

3. CHECKING SPECIFIC GRAVITY

Check specific gravity. Refer to [PG-111, "How to Handle Battery"](#).

Is the specific gravity 1.240 or more?

- YES >> Complete standard charge. Perform "CAPACITY TEST". Refer to [PG-113, "Work Flow"](#).
 NO >> GO TO 4.

4. CONDUCT ADDITIONAL CHARGE

Add charging time depending on specific gravity.

Additional Charge (Standard Charge)

SPECIFIC GRAVITY	CHARGING TIME (h)
Below 1.150	3.5
1.150 - 1.200	2.5
1.200 - 1.240	1.5

>> Complete standard charge. Perform "CAPACITY TEST". Refer to [PG-113, "Work Flow"](#).

CAUTION:

BATTERY CHARGING CHART

< BASIC INSPECTION >

- Never use standard charge method on a battery whose specific gravity is less than 1.100.
- Set charging current to value specified in “Initial Charging Current Setting (Standard Charge)”. If charger is not capable of producing specified current value, set its charging current as close to that value as possible.
- Keep battery away from open flame while it is being charged.
- When connecting charger, connect leads first, then turn on charger. Never turn on charger first, as this may cause a spark.
- If battery temperature rises above 55°C (131°F), stop charging. Always charge battery when its temperature is below 55°C (131°F).

Quick Charge

INFOID:000000006484302

1. DETERMINE INITIAL CHARGING CURRENT

1. Determine initial charging current setting and charging time from specific gravity.
2. Check battery type and determine the specified current using the table.

NOTE:

After starting charging, adjustment of charging current is not necessary.

Initial Charging Current Setting and Charging Time (Quick Charge)

BATTERY TYPE	28B19L/R	34B19L/R	46B24L/R	55B24L/R	50D23L/R	55D23L/R	80D23L/R	65D26L/R	80D26L/R	025 [YUASA type code]	027 [YUASA type code]	067 [YUASA type code]	096 [YUASA type code]	75D31L/R	95D31L/R	115D31L/R	110D26L/R	95E41L/R	130E41L/R	
	10		15			20				25			30			40				
CONVERTED SPECIFIC GRAVITY	1.100 - 1.130	2.5 hours																		
	1.130 - 1.160	2.0 hours																		
	1.160 - 1.190	1.5 hours																		
	1.190 - 1.220	1.0 hour																		
	Above 1.220	0.75 hour (45 min.)																		

CAUTION:

- Never use quick charge method on a battery whose specific gravity is less than 1.100.
- Set initial charging current to value specified in “Initial Charging Current Setting and Charging Time (Quick Charge)”. If charger is not capable of producing specified current value, set its charging current as close to that value as possible.
- Keep battery away from open flame while it is being charged.
- When connecting charger, connect leads first, then turn on charger. Never turn on charger first, as this may cause a spark.
- Be careful of a rise in battery temperature because a large current flow is required during quick-charge operation.
If battery temperature rises above 55°C (131°F), stop charging. Always charge battery when its temperature is below 55°C (131°F).
- Never exceed the charging time specified in “Initial Charging Current Setting and Charging Time (Quick Charge)”, because charging battery over the charging time can cause deterioration of the battery.

>> GO TO 2.

2. CHARGE BATTERY

Charge battery.

BATTERY CHARGING CHART

< BASIC INSPECTION >

>> Complete quick charge. Perform "CAPACITY TEST". Refer to [PG-113, "Work Flow"](#).

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BATTERY

< REMOVAL AND INSTALLATION >

REMOVAL AND INSTALLATION

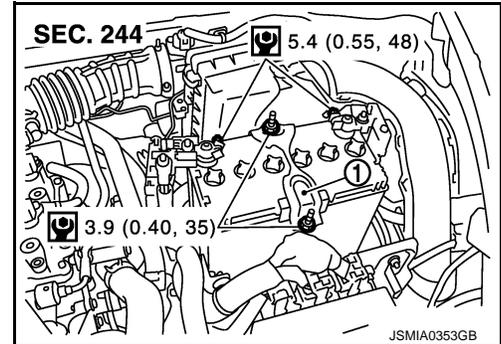
BATTERY

Exploded View

INFOID:000000006484303

1 : Battery fix frame

 :N·m (kg·m, in·lb)



Removal and Installation

INFOID:000000006484304

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-54. "ADDITIONAL SERVICE WHEN REMOVING BATTERY NEGATIVE TERMINAL : Required Procedure After Battery Disconnection"](#).

BATTERY TERMINAL WITH FUSIBLE LINK

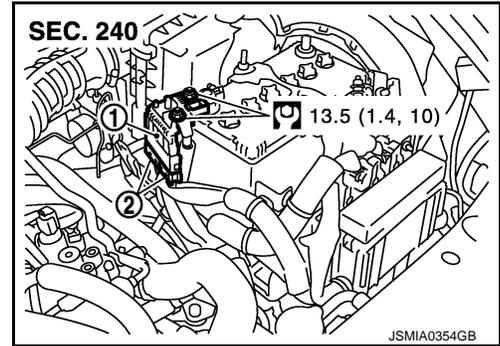
< REMOVAL AND INSTALLATION >

BATTERY TERMINAL WITH FUSIBLE LINK

Exploded View

INFOID:000000006484305

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



Removal and Installation

INFOID:000000006484306

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)

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SERVICE DATA AND SPECIFICATIONS (SDS)

SERVICE DATA AND SPECIFICATIONS (SDS)

Battery

INFOID:000000006484307

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