SECTION PG

POWER SUPPLY, GROUND & CIRCUIT ELEMENTS

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PRECAUTION

PRECAUTIONS

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

INFOID:0000000012349325

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

WARNING:
Always observe the following items for preventing accidental activation.
- **To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision that 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 “SRS AIR BAG”.**
- **Never use electrical test equipment on any circuit related to the SRS unless instructed to in this Service Manual. SRS wiring harnesses can be identified by yellow and/or orange harnesses or harness connectors.**

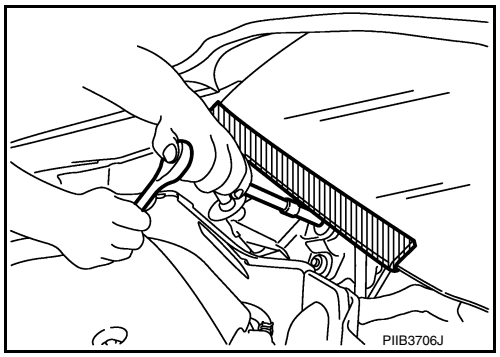
PRECAUTIONS WHEN USING POWER TOOLS (AIR OR ELECTRIC) AND HAMMERS

WARNING:
Always observe the following items for preventing accidental activation.
- **When working near the Air Bag Diagnosis Sensor Unit or other Air Bag System sensors with the ignition ON or engine running, never 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.**

Precaution for Procedure without Cowl Top Cover

INFOID:0000000012349326

When performing the procedure after removing cowl top cover, cover the lower end of windshield with urethane, etc to prevent damage to windshield.

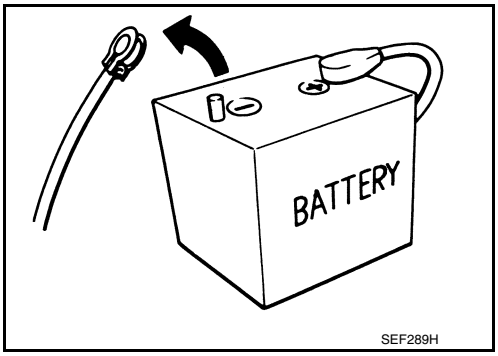


Precautions for Removing Battery Terminal

INFOID:0000000013042309

When disconnecting the battery terminal, pay attention to the following.
- Always use a 12V battery as power source.
- Never disconnect battery terminal while engine is running.

- When removing the 12V battery terminal, turn OFF the ignition switch and wait at least 30 seconds.
- For vehicles with the engine listed below, remove the battery terminal after a lapse of the specified time:



D4D engine	: 20 minutes	YS23DDT	: 4 minutes
HRA2DDT	: 12 minutes	YS23DDTT	: 4 minutes
K9K engine	: 4 minutes	ZD30DDTi	: 60 seconds
M9R engine	: 4 minutes	ZD30DDTT	: 60 seconds
R9M engine	: 4 minutes		
V9X engine	: 4 minutes		
YD25DDTi	: 2 minutes		

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

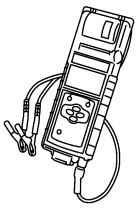
- After high-load driving, if the vehicle is equipped with the V9X engine, turn the ignition switch OFF and wait for at least 15 minutes to remove the battery terminal.
  NOTE:
  - Turbocharger cooling pump may operate in a few minutes after the ignition switch is turned OFF.
  - Example of high-load driving
  - Driving for 30 minutes or more at 140 km/h (86 MPH) or more.
  - Driving for 30 minutes or more on a steep slope.
- For vehicles with the 2-batteries, be sure to connect the main battery and the sub battery before turning ON the ignition switch.
  NOTE:
  If the ignition switch is turned ON with any one of the terminals of main battery and sub battery disconnected, then DTC may be detected.
- After installing the 12V battery, always check "Self Diagnosis Result" of all ECUs and erase DTC.
  NOTE:
  The removal of 12V battery may cause a DTC detection error.

PREPARATION

PREPARATION

Special Service Tools

INFOID:0000000012349328

Tool number (TechMate No.) Tool name		Description
— (—) Model GR8-1200 NI Multitasking battery and electrical diagnostic station	 AWIIA1239ZZ	Tests batteries, starting and charging systems and charges batteries. For operating instructions, refer to diagnostic station instruction manual.
— (—) Model EXP-800 NI Battery and electrical diagnostic analyzer	 JSMIA0806ZZ	Tests batteries and charging systems. For operating instructions, refer to diagnostic analyzer instruction manual.

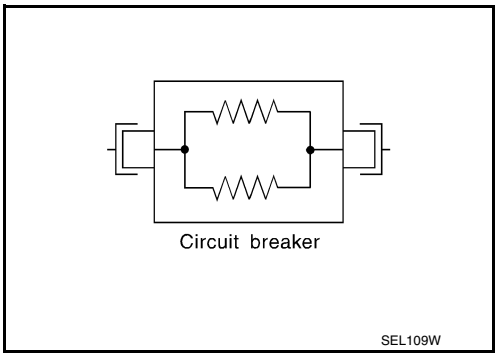
SYSTEM DESCRIPTION

COMPONENT PARTS

Circuit Breaker

INFOID:0000000012349329

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:0000000012349330

Application		VQ37VHR engine models	VK56VD engine models
Type		110D26L-HR*	110D26L-HP*
20 hour rate capacity	[V - Ah]	12 - 75	12 - 75
Cold cranking current (For reference value)	[A]	720	720

HR*and HP*: 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:0000000012349331

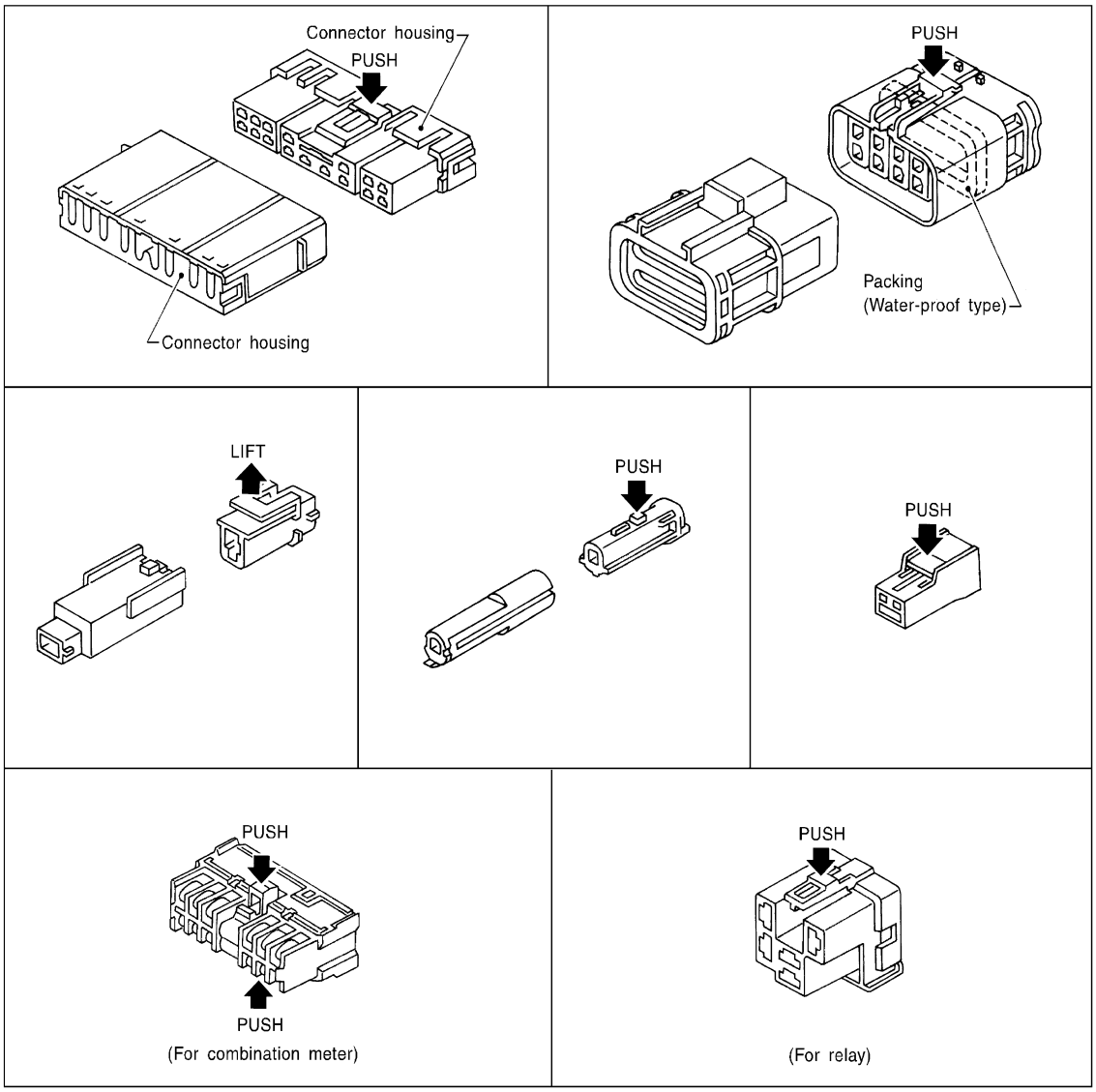
HARNESS CONNECTOR (TAB-LOCKING TYPE)

- The tab-locking type connectors help prevent accidental looseness or disconnection.
- The tab-locking type connectors are disconnected by pushing or lifting the locking tab(s). Refer to the figure below.

CAUTION:

Never pull the harness or wires when disconnecting the connector.

[Example]



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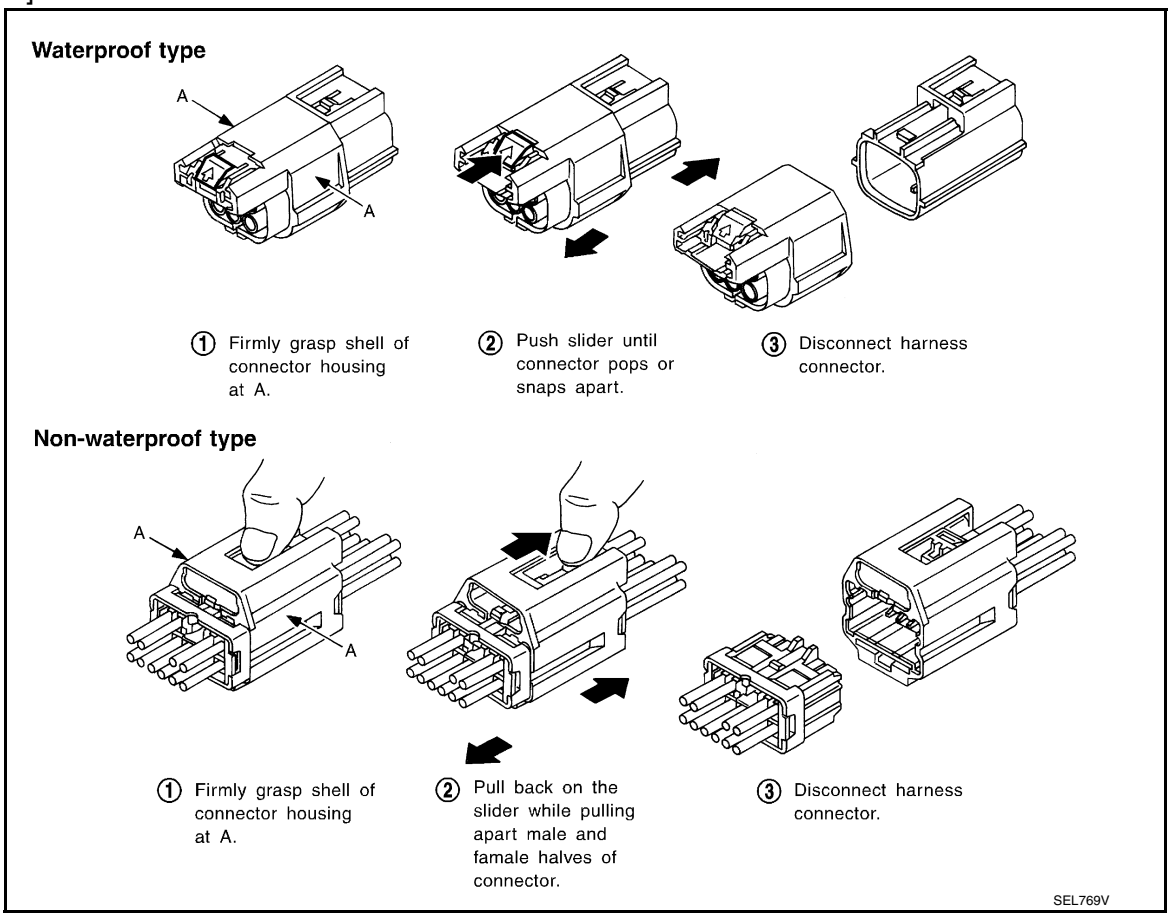
HARNESS CONNECTOR (SLIDE-LOCKING TYPE)

- 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.**

[Example]

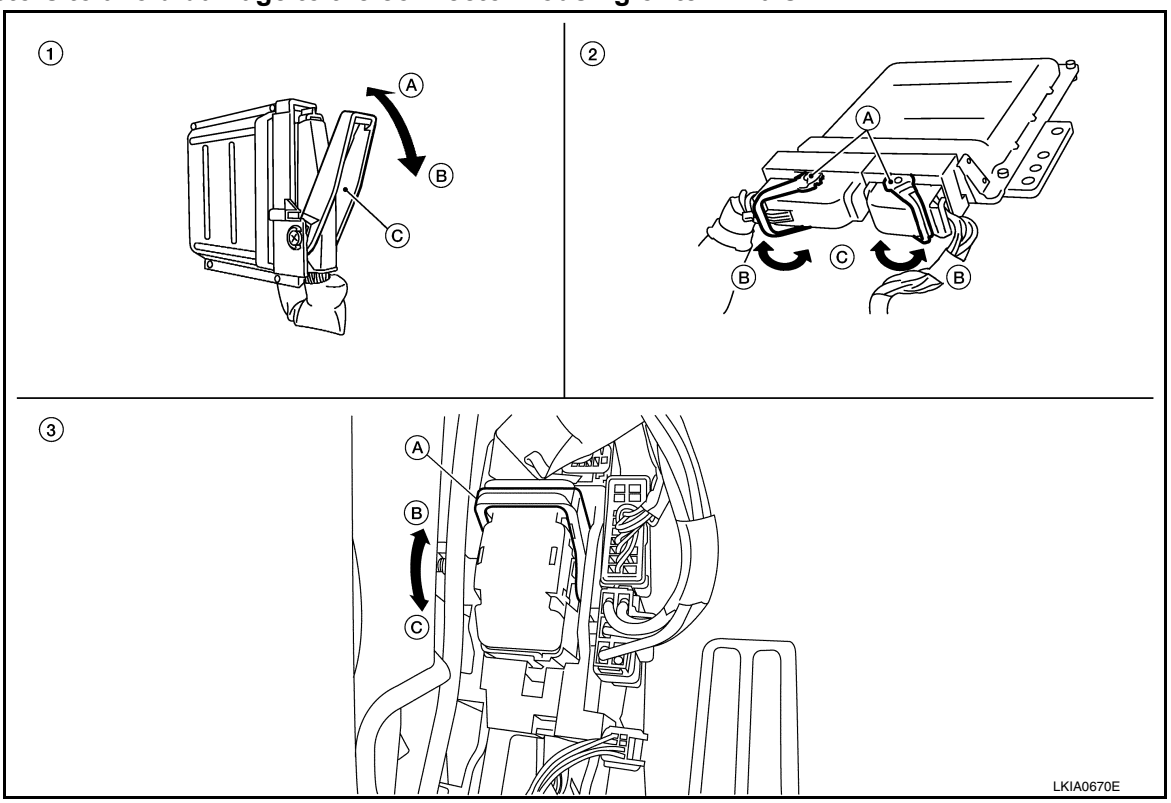


HARNESS CONNECTOR (LEVER LOCKING TYPE)

- 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:

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



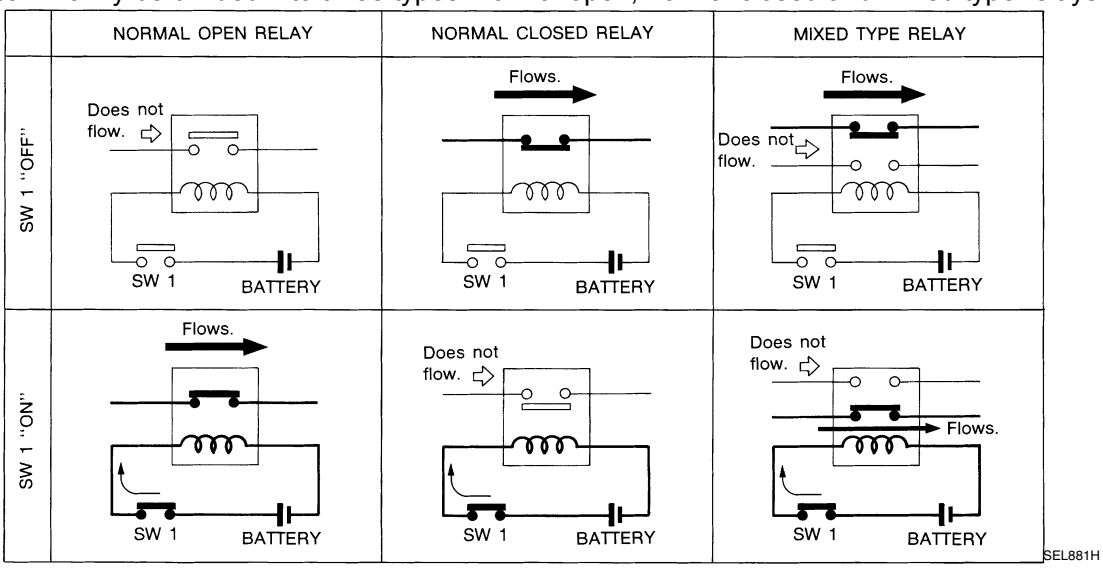
1. Control unit with single lever
   A. Fasten
   B. Loosen
   C. Lever
2. Control unit with dual levers
   A. Levers
   B. Fasten
   C. Loosen
3. SMJ connector
   A. Lever
   B. Fasten
   C. Loosen

Standardized Relay

INFOID:0000000012349332

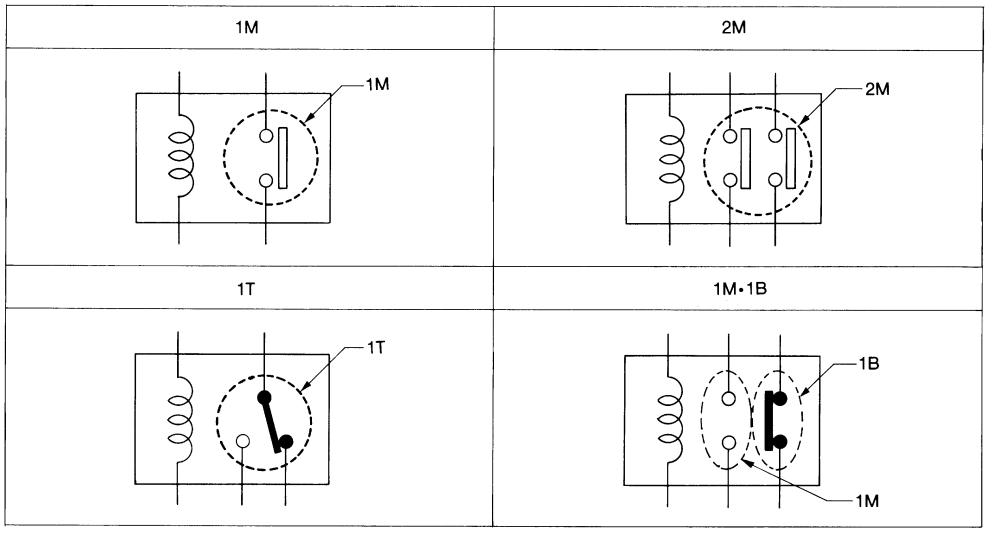
NORMAL OPEN, NORMAL CLOSED AND MIXED TYPE RELAYS

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

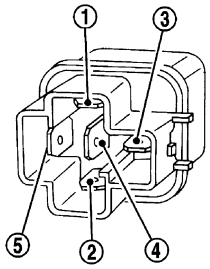
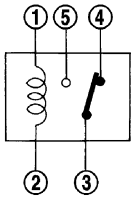
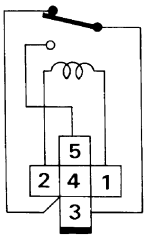
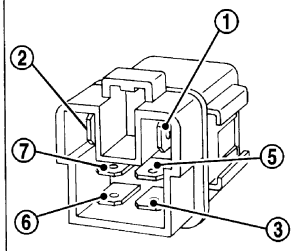
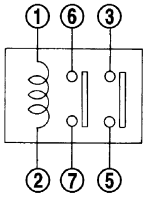
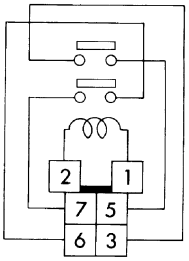
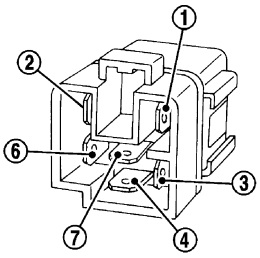
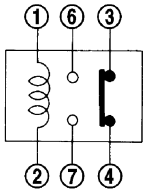
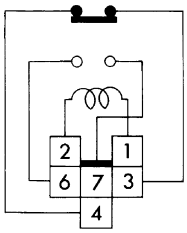
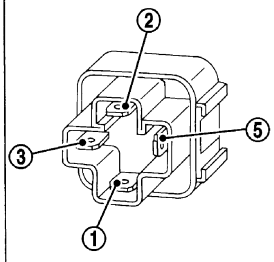
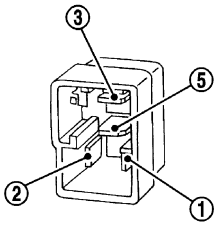
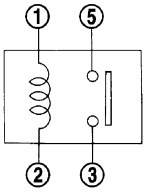
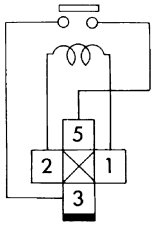
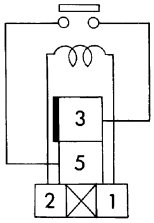


TYPE OF STANDARDIZED RELAYS

1M ····· 1 Make
2M ····· 2 Make
1T ····· 1 Transfer
1M·1B ····· 1 Make 1 Break



SEL882H

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

WIRING DIAGRAM

POWER SUPPLY ROUTING CIRCUIT

Wiring Diagram - BATTERY POWER SUPPLY -

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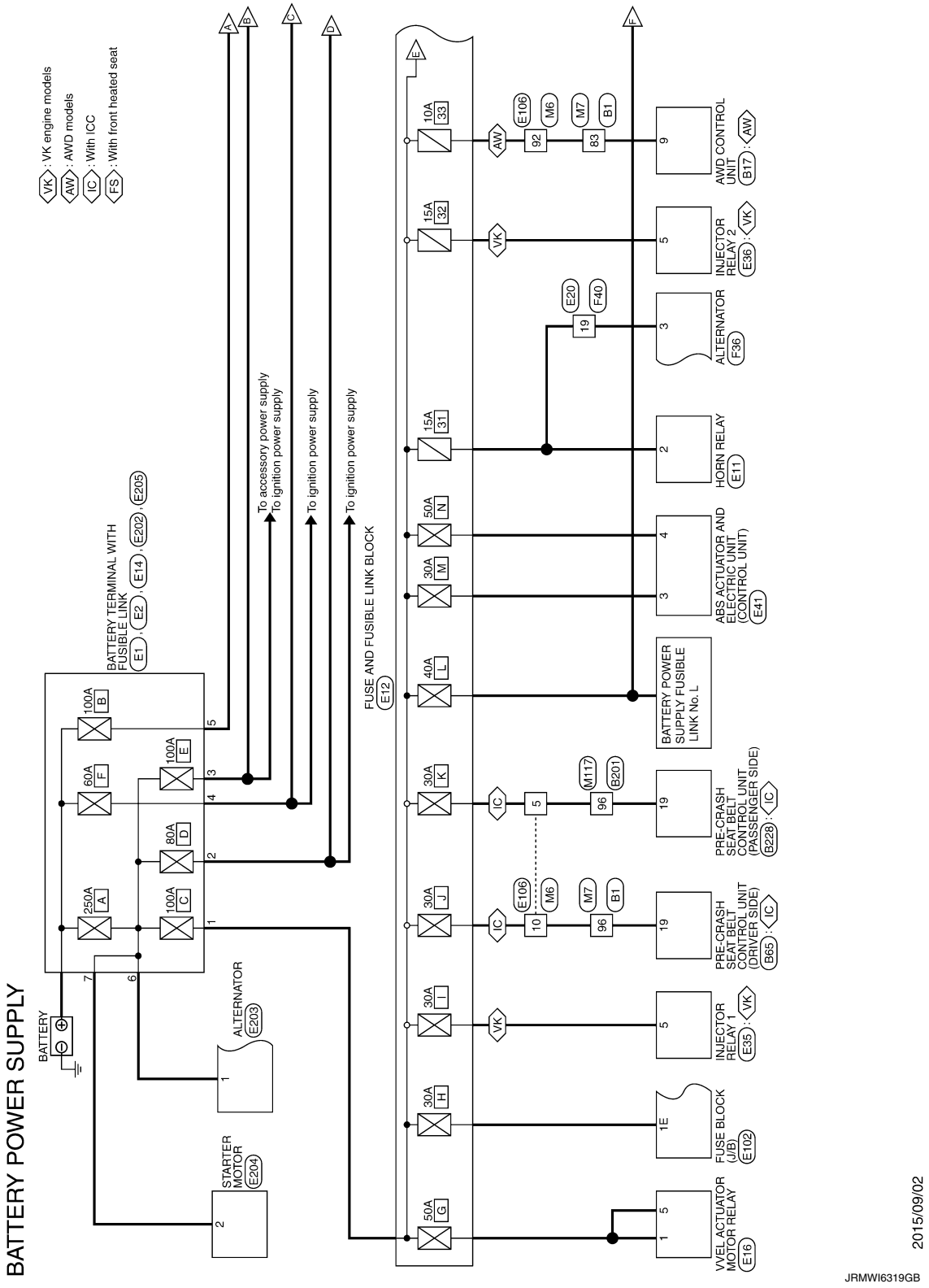
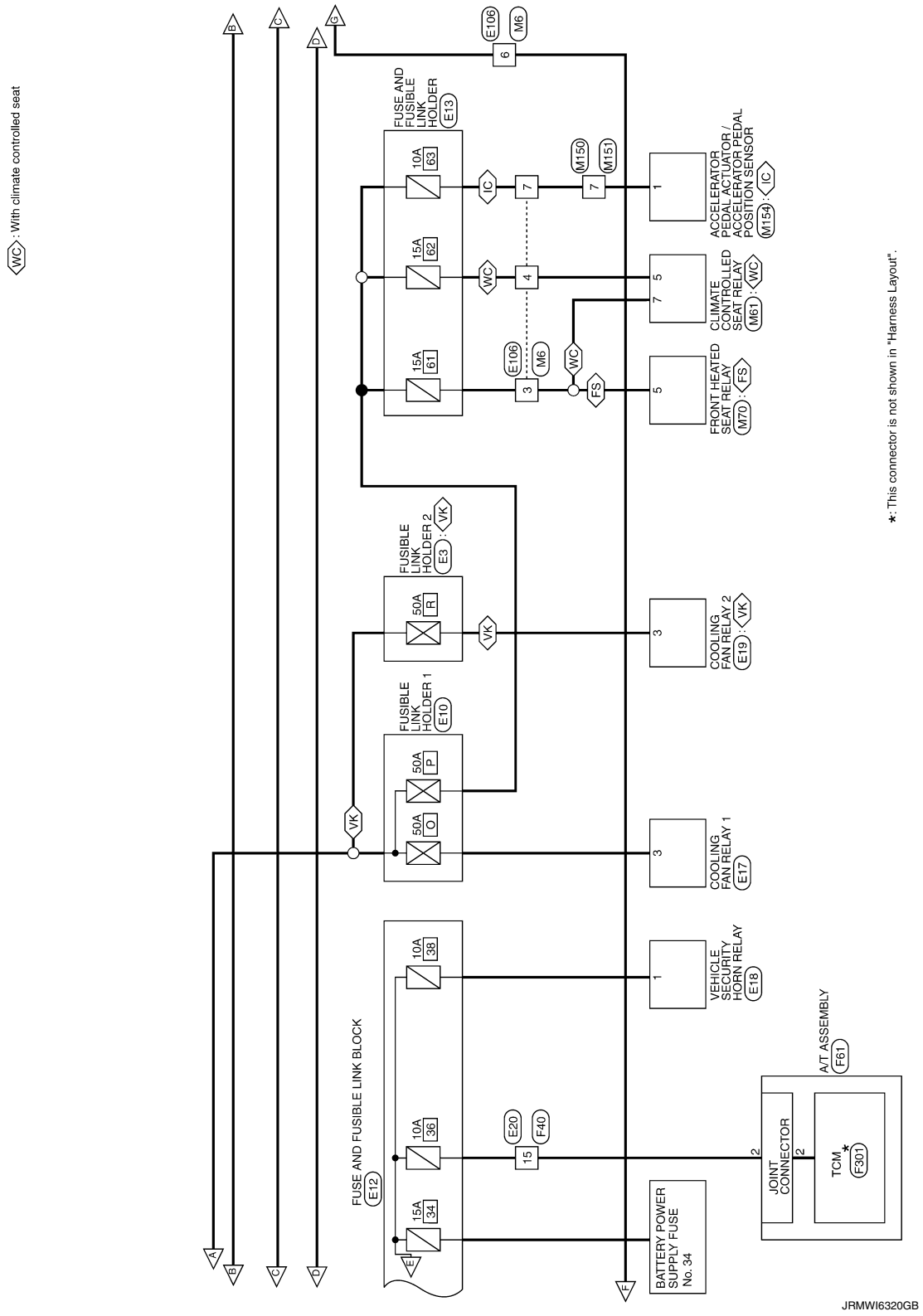
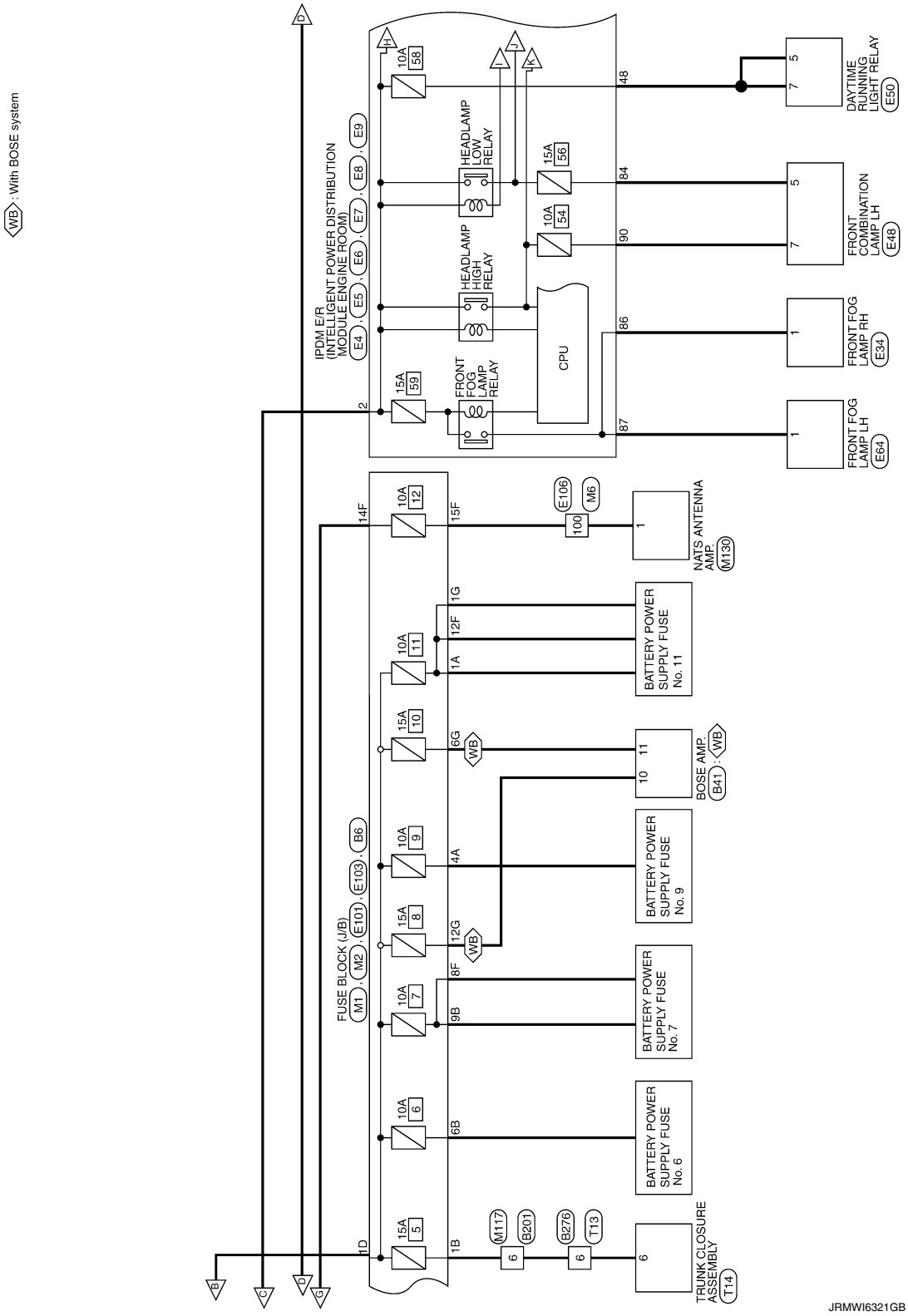
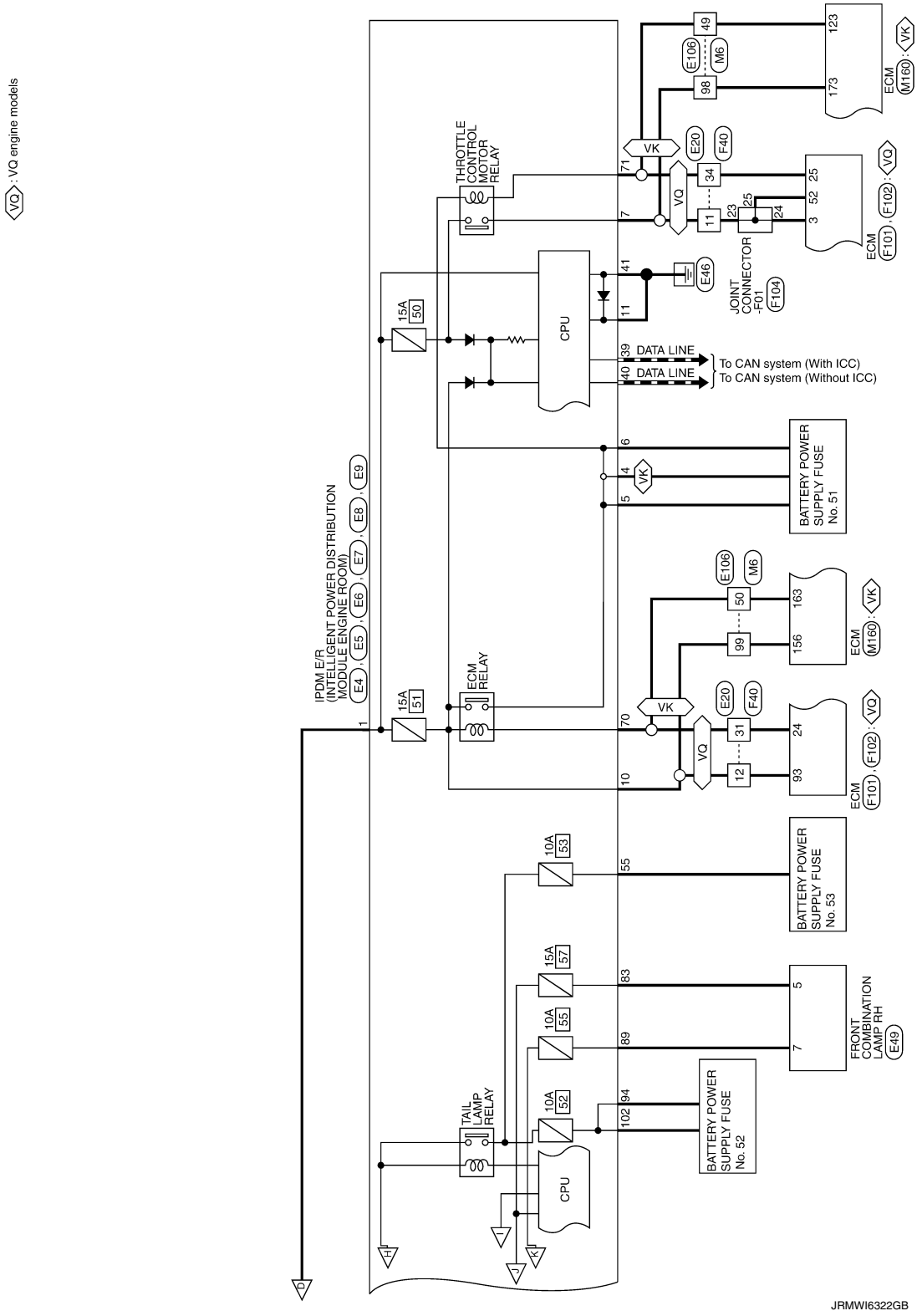



WC : With climate controlled seat
FUSE AND FUSIBLE LINK HOLDER E13
10A 63
15A 62
15A 61
E106
M6
6
IC
WC
FS
7
4
3
M150
M151
ACCELERATOR PEDAL ACTUATOR / ACCELERATOR PEDAL POSITION SENSOR M154 : IC
CLIMATE CONTROLLED SEAT RELAY M61 : WC
FRONT HEATED SEAT RELAY M70 : FS
FUSIBLE LINK HOLDER 2 E3 : VK
50A R
VK
COOLING FAN RELAY 2 E19 : VK
FUSIBLE LINK HOLDER 1 E10
50A P
50A O
COOLING FAN RELAY 1 E17
VEHICLE SECURITY HORN RELAY E18
FUSE AND FUSIBLE LINK BLOCK E12
10A 38
10A 36
15A 34
E20
F40
15
BATTERY POWER SUPPLY FUSE No. 34
JOINT CONNECTOR
A/T ASSEMBLY F61
TCM* F301
*: This connector is not shown in "Harness Layout".
JRMWI6320GB

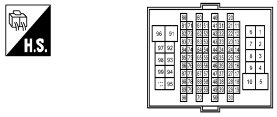

WB : With BOSE system
IPDM E/R
(INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
E4, E5, E6, E7, E8, E9
FUSE BLOCK (J/B)
M1, M2, E101, E103, B6
15A 59
10A 58
10A 54
15A 56
FRONT FOG LAMP RELAY
HEADLAMP HIGH RELAY
HEADLAMP LOW RELAY
CPU
DAYTIME RUNNING LIGHT RELAY
E50
FRONT COMBINATION LAMP LH
E48
FRONT FOG LAMP RH
E34
FRONT FOG LAMP LH
E64
10A 12
15A 10
10A 11
10A 9
15A 8
10A 7
10A 6
15A 5
E106
M6
100
NATS ANTENNA AMP.
M130
BATTERY POWER SUPPLY FUSE No. 11
BOSE AMP.
B41
BATTERY POWER SUPPLY FUSE No. 9
BATTERY POWER SUPPLY FUSE No. 7
BATTERY POWER SUPPLY FUSE No. 6
M117
B201
B276
T13
TRUNK CLOSURE ASSEMBLY
T14
JRMWI6321GB


VQ : VQ engine models
IPDM E/R
(INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
E4 , E5 , E6 , E7 , E8 , E9
15A 51
15A 50
ECM RELAY
THROTTLE CONTROL MOTOR RELAY
CPU
DATA LINE
DATA LINE
To CAN system (With ICC)
To CAN system (Without ICC)
JOINT CONNECTOR -F01
E46
F104
E20
F40
E106
M6
ECM (F101) , (F102) : VQ
ECM (M160) : VK
BATTERY POWER SUPPLY FUSE No. 51
BATTERY POWER SUPPLY FUSE No. 53
BATTERY POWER SUPPLY FUSE No. 52
10A 53
15A 57
10A 55
10A 52
TAIL LAMP RELAY
FRONT COMBINATION LAMP RH
E49
JRMWI6322GB

POWER SUPPLY ROUTING CIRCUIT

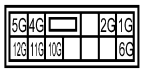
BATTERY POWER SUPPLY

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



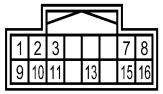
Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	W	-
4	LG	-
5	P	-
7	GR	-
8	Y	-
9	LG	-
10	V	-
11	GR	- [With climate controlled seat]
11	L	- [With heated seat]
12	GR	- [With heated seat]
12	P	- [With climate controlled seat]
13	BR	-
14	R	-
15	O	-
16	V	-
17	B	-
18	R	-
19	W	-
20	L	-
21	B	-
22	LG	-
23	V	-
24	Y	-
25	G	-
26	GR	-
27	SB	-
28	I/O	-
29	W/L	-
30	SHIELD	-
32	L	-
33	R	-
36	G	-
37	SB	-
40	SHIELD	-
41	GR/V	-
42	W/L	-
43	L	-
44	B	-
47	O	-
48	Y	-
49	BR	-
50	SB	-
51	V	-
52	LG	-
53	G	-
56	P	-
57	BR	-
58	LG	-
59	Y	-
60	W	-
61	B	-
62	LG	-
63	V	-
65	O	-
66	BR	-
67	V	-
68	LG	-
69	GR	-
70	R	-
72	L	-
73	P	-
74	L	-
75	P	-
76	Y	-
77	R	-
78	W	-
79	G	-
81	LG	-
82	BR	-
83	SB	-
84	Y	-
85	W	-
86	R	-
87	G	-
88	GR	-
91	SB	-
92	G	-
96	Y	-
97	O	-
98	SB	-
99	LG	-

Connector No.	B6
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS12FBR-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
10G	W	-
11G	W	-
12G	GR	-
1G	GR	-
2G	G/R	-
4G	L	-
5G	P/L	-
6G	G	-

Connector No.	B17
Connector Name	AWD CONTROL UNIT
Connector Type	TH16FW-NH

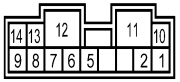


Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	AWD SOL (+)
2	R	AWD SOL (-)
3	W	FLUID TEMP (-)
7	Y	IGN
8	L	CAN-H
9	SB	AWD SOL BAT
10	B/Y	GND
11	B/Y	GND
13	LG	FLUID TEMP (+)
15	G	BATTERY POWER SUPPLY
16	P	CAN-L

Connector No.	B26
Connector Name	REAR COMBINATION LAMP LH (BODY SIDE)
Connector Type	NS04MW-CS

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

Connector No.	B41
Connector Name	BOSE AMP.
Connector Type	SGA12FBR-SJA2



Terminal No.	Color Of Wire	Signal Name [Specification]
1	O	SOUND SIGNAL FRONT DOOR WOOFER RH (+)
2	LG	SOUND SIGNAL FRONT DOOR WOOFER RH (-)
5	R	SOUND SIGNAL FRONT DOOR WOOFER LH (+)
6	L	SOUND SIGNAL FRONT DOOR WOOFER LH (-)
7	B/R	GROUND
8	P/L	SOUND SIGNAL REAR WOOFER (+)
9	W	SOUND SIGNAL FRONT DOOR SQUAWKER & TWEETER RH (-)
10	V	BATTERY POWER SUPPLY
11	G	BATTERY POWER SUPPLY
12	B/R	GROUND
13	R/L	SOUND SIGNAL REAR WOOFER (-)
14	B	SOUND SIGNAL FRONT DOOR SQUAWKER & TWEETER RH (+)

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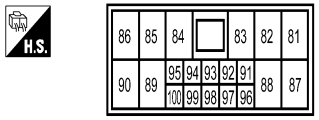
POWER SUPPLY ROUTING CIRCUIT

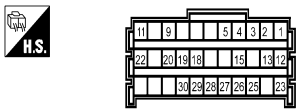
BATTERY POWER SUPPLY

Connector No.	B46
Connector Name	BOSE AMP.
Connector Type	NH10FW-CS10



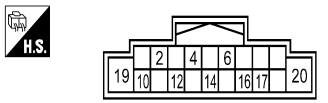
Terminal No.	Color Of Wire	Signal Name [Specification]
81	L	SOUND SIGNAL PASSENGER SEAT SPEAKER RH (+)
82	B/W	SOUND SIGNAL PASSENGER SEAT SPEAKER RH (-)
83	B/R	GROUND
84	Y	BATTERY POWER SUPPLY
85	O	SOUND SIGNAL SATELLITE SPEAKER RH (+)
86	P	SOUND SIGNAL SATELLITE SPEAKER RH (-)
87	G	SOUND SIGNAL SATELLITE SPEAKER LH (+)
88	R	SOUND SIGNAL SATELLITE SPEAKER LH (-)
89	B/R	GROUND
90	Y	BATTERY POWER SUPPLY
91	G	AMP. ON SIGNAL
92	G	AMP. ON SIGNAL
93	BR	SOUND SIGNAL SATELLITE SPEAKER RH (+)
94	B/R	SOUND SIGNAL SATELLITE SPEAKER RH (-)
95	SHIELD	SHIELD
96	O	SOUND SIGNAL PASSENGER SEAT SPEAKER RH (+)
97	W/L	SOUND SIGNAL PASSENGER SEAT SPEAKER RH (-)
98	SHIELD	SHIELD
99	O/L	SOUND SIGNAL SATELLITE SPEAKER LH (+)
100	W	SOUND SIGNAL SATELLITE SPEAKER LH (-)

Connector No.	B64
Connector Name	JOINT CONNECTOR-B01
Connector Type	BJ30FW



Terminal No.	Color Of Wire	Signal Name [Specification]
1	SHIELD	-
2	SHIELD	-
3	SHIELD	-
4	SHIELD	-
5	SHIELD	-
9	SHIELD	-
11	B	-
12	SHIELD	-
13	SHIELD	-
15	SHIELD	-
18	SHIELD	-
19	SHIELD	-
20	B/R	-
22	B/R	-
23	P	-
25	P	-
26	P	-
27	P	-
28	P	-
29	L	-
30	L	-

Connector No.	B65
Connector Name	PRE-CRASH SEAT BELT CONTROL UNIT[DRIVER SIDE]
Connector Type	NH18FW-CS2

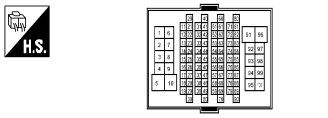


Terminal No.	Color Of Wire	Signal Name [Specification]
2	G	OUT 1
4	R	CAN LO
6	LG	BACKLE SW LH NO
10	R	SENS POWER 1
12	B	OUT 2
14	L	CAN HI
16	Y	LOCAL_COMM_1
17	W	SENS GND 1
19	Y	MOTOR BAT
20	B	MOTOR GND

Connector No.	B74
Connector Name	EVAP CANISTER VENT CONTROL VALVE
Connector Type	E02FB-RS

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

Connector No.	B201
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4



Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
3	R	-
6	R	-
7	W	-
8	V	-
11	R	-
12	G	-
13	Y	-
14	L	-
15	R	- [Without ADAS]
15	Y	- [With ADAS]
17	GR	-
18	P	-
19	BR	-
20	GR	-
21	Y	-
22	GR	-
23	R	-
24	V	-
25	B	-
26	W	-
27	O	-
28	V	-
29	P	-
30	O	-
31	B/R	-
32	Y	-
40	SHIELD	-
41	W/R	-
42	V	-
45	SB	-
46	R	- [With climate controlled seat]
46	Y	- [With heated seat]
47	G	- [With climate controlled seat]
47	GR	- [With heated seat]
48	V	-

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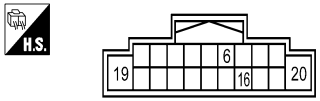
POWER SUPPLY ROUTING CIRCUIT

BATTERY POWER SUPPLY

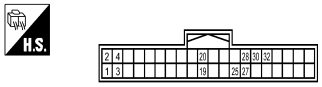
49	O	-
50	R	-
51	GR	-
52	LG	-
53	P	-
56	P	-
57	W	-
58	O	-
59	Y	-
61	SB	-
62	L	-
63	W	-
64	SB	-
65	LG	-
66	L	-
67	Y	-
68	SB	-
69	B	-
71	L	-
72	L	-
73	R	-
74	B	-
75	L	-
76	SHIELD	-
77	G	-
78	R	-
79	P	-
80	G	-
81	O	-
82	BR	-
83	GR	-
84	V	-
85	LG	-
86	W	-
87	O	-
88	Y	-
89	BR	-
90	L	-
91	BR	-
93	O	- [With heated seat]
93	Y	- [With climate controlled seat]
94	GR	-
96	W	-
97	P	-
98	LG	-
99	LG	-
100	Y	-

Connector No.	B228
Connector Name	PRE-CRASH SEAT BELT CONTROL UNIT(PASSENGER SIDE)
Connector Type	NH18FW-CS2



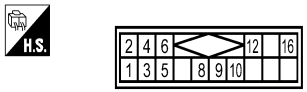
Terminal No.	Color Of Wire	Signal Name [Specification]
6	G	BUCKLE SW RH NO
16	LG	LOCAL COMM 1
19	W	MOTOR BAT
20	B	MOTOR GND

Connector No.	B231
Connector Name	AROUND VIEW MONITOR CONTROL UNIT
Connector Type	TH40FW-NH



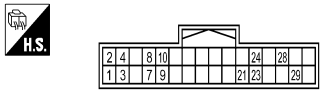
Terminal No.	Color Of Wire	Signal Name [Specification]
1	B/R	GROUND
2	Y	BATTERY POWER SUPPLY
3	W	IGNITION SIGNAL
4	V	ACC POWER SUPPLY
19	SB	AV COMMUNICATION SIGNAL （H）
20	LG	AV COMMUNICATION SIGNAL （L）
25	B	REVERSE SIGNAL
27	L	CAN-H
28	R	CAN-L [Without ADAS]
28	Y	CAN-L [With ADAS]
30	SB	RETRACT MOTOR OPERATION SIGNAL （OPEN）
32	P	RETRACT MOTOR OPERATION SIGNAL （CLOSE）

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



Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	SATELLITE RADIO SOUND SIGNAL LH (-)
2	R	SATELLITE RADIO SOUND SIGNAL LH (+)
3	W	SATELLITE RADIO SOUND SIGNAL RH (-)
4	B	SATELLITE RADIO SOUND SIGNAL RH (+)
5	SHIELD	SHIELD
6	SHIELD	SHIELD
8	R	REQUEST (SAT->CONT)
9	B	COMM (SAT->CONT)
10	W	COMM (CONT->SAT)
12	Y	BATTERY
16	V	ACC

Connector No.	B237
Connector Name	TEL ADAPTER UNIT
Connector Type	TH32FW-NH

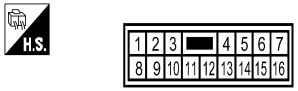


Terminal No.	Color Of Wire	Signal Name [Specification]
1	LG	BATTERY
2	L	ACC
3	P	IGNITION
4	B/R	GND
7	W/R	MICROPHONE SIGNAL
8	SHIELD	MICROPHONE GND
9	W/L	TEL VOICE SIGNAL (+)
10	GR/V	TEL VOICE SIGNAL (-)
21	B/R	CONTROL SIGNAL
23	B/R	CONTROL SIGNAL
24	B/R	CONTROL SIGNAL
28	W	VEHICLE SPEED SIGNAL (8-PULSE)
29	B/R	MICROPHONE VCC

Connector No.	B260
Connector Name	REAR COMBINATION LAMP RH (BODY SIDE)
Connector Type	NS04MW-CS

Terminal No.	Color Of Wire	Signal Name [Specification]
1	O	-
2	P	-
3	V	-
4	B/R	-

Connector No.	B276
Connector Name	WIRE TO WIRE
Connector Type	NS16MW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	GR	-
3	V	-
5	W	-
6	R	-
7	B	-
8	B	-
9	O	-
10	B/R	-
11	L	- [Without around view monitor]

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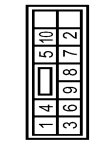
BATTERY POWER SUPPLY

11	W	- [With around view monitor]
12	L/W	- [Without around view monitor]
12	R	- [With around view monitor]
13	B	- [With around view monitor]
13	L/R	- [Without around view monitor]
14	B/R	-
15	Y	-

Connector No. B513
Connector Name DRIVER SEAT CONTROL UNIT
Connector Type NS12FW-CS



H.S.

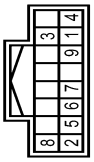
Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	BAT (PTC)
2	B	GND
3	G	SLIDE MOTOR (FORWARD)
4	G/R	SLIDE MOTOR (BACKWARD)
5	V	RECLINER MOTOR (FORWARD)
6	R/L	RECLINER MOTOR (BACKWARD)
7	L	REAR LIFTER MOTOR (DOWNWARD)
8	L/W	REAR LIFTER MOTOR (UPWARD)
9	L/R	FRONT LIFTER MOTOR (UPWARD)
10	L/B	FRONT LIFTER MOTOR (DOWNWARD)

Connector No. B516
Connector Name LUMBAR SUPPORT SWITCH
Connector Type NS04FW-CS

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
36	R	-
37	LG	-
38	Y/W	-
39	Y	-

Connector No. D5
Connector Name SEAT MEMORY SWITCH
Connector Type TH16FW-NH



H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	V	-
3	W	-
4	B	-
5	LG	-
6	GR	-
7	O	-
8	Y	-
9	B/W	-

Connector No. D58
Connector Name ASHTRAY ILLUMINATION (REAR LH)
Connector Type A03FW

H.S.

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

Connector No. D78
Connector Name ASHTRAY ILLUMINATION (REAR RH)
Connector Type A03FW

H.S.

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

Connector No. E1
Connector Name BATTERY TERMINAL WITH FUSIBLE LINK
Connector Type L02FBR-MC

H.S.

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

Connector No. E2
Connector Name BATTERY TERMINAL WITH FUSIBLE LINK
Connector Type L02FGY-MC

H.S.

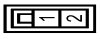
Terminal No.	Color Of Wire	Signal Name [Specification]
3	R	-
4	L	-

Connector No. E3
Connector Name FUSIBLE LINK HOLDER 2
Connector Type 24380_JL00A

H.S.

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

Connector No. E4
Connector Name POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type L02FB-MC



H.S.

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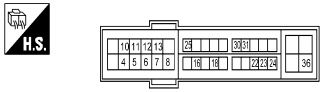
POWER SUPPLY ROUTING CIRCUIT

BATTERY POWER SUPPLY

Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	F/L_MAIN
2	L	F/L_USM

Connector No.	E5
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	TH20FW-CS12-M4-1V

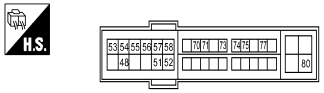


Terminal No.	Color Of Wire	Signal Name [Specification]
4	W	ENG_SOL
5	P	IGN_COIL
6	R	ECM_VB [With VQ37 engine]
6	SB	ECM_VB [With VK56 engine]
7	R	ETC [With VK56 engine]
7	Y	ETC [With VQ37 engine]
8	L/Y	A/C_COMP [With VK56 engine]
8	P	A/C_COMP [With VQ37 engine]
10	V	ECM_BAT
11	B	P-GND
12	G	ABS_ECU
13	GR	FUEL_PUMP [With VQ37 engine]
13	W	FUEL_PUMP [With VK56 engine]
16	V	WIPER_AUTOSTOP
18	Y	IGN_SIGNAL
22	BR	ALT-C
23	P	DTRL_RLY
24	O	HOOD_SW
25	LG	SUB_ECU
30	BR	PUSH_START_SW
31	BR	NP_SW [With VK56 engine]
31	W	NP_SW [With VQ37 engine]
36	GR	F/L_IGN_SW

Connector No.	E6
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	TH08FW-NH

Terminal No.	Color Of Wire	Signal Name [Specification]
39	P	CAN-L
40	L	CAN-H
41	B	S-GND
42	V	MOTOR_FAN_RLY_CONT [With VK56 engine]
42	Y	MOTOR_FAN_RLY_CONT [With VQ37 engine]
43	SB	DETENT_SW
44	GR	HORN_RLY [With VK56 engine]
44	LG	HORN_RLY [With VQ37 engine]
45	G	HORN_SW
46	BR	START_CONT

Connector No.	E7
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	TH20FW-CS12-M4

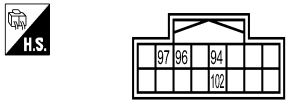


Terminal No.	Color Of Wire	Signal Name [Specification]
48	P	DTRL_DEICER
51	O	WASH_MTR
52	G	INJECTOR_#1
53	L	FR_WIPER_HI
54	P	FR_WIPER_LO
55	R	TAIL/ILLUMI
56	GR	O2_SENS_#1
57	V	O2_SENS_#2
58	BR	AT_ECU
70	LG	SSOFF
71	O	MOTRLY
73	G	START_IG-E/R
74	R	START_IG-EGI
75	Y	OIL_PRESSURE_SW
77	B	FPR
80	W	STARTER_MOTOR

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

Terminal No.	Color Of Wire	Signal Name [Specification]
83	R	HEAD_LAMP_LO_RH
84	W	HEAD_LAMP_LO_LH
86	G	FR_FOG_LAMP_RH
87	L	FR_FOG_LAMP_LH
88	O	FR_WIPER_B
89	BR	HEAD_LAMP_HI_RH
90	P	HEAD_LAMP_HI_LH

Connector No.	E9
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	TH16FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
94	P	CLEARANCE_RH
96	R	WIPER_REV_RLY
97	V	MOTOR_FAN_PWM
102	R	CLEARANCE_LH [With VK56 engine]
102	R/L	CLEARANCE_LH [With VQ37 engine]

Connector No.	E10
Connector Name	FUSIBLE LINK HOLDER 1
Connector Type	24380_JL00A

Terminal No.	Color Of Wire	Signal Name [Specification]
O	L	- [With VK56 engine]
O	W	- [With VQ37 engine]
P	L	-

Connector No.	E11
Connector Name	HORN RELAY
Connector Type	24381_7990A

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

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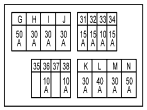
POWER SUPPLY ROUTING CIRCUIT

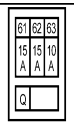
BATTERY POWER SUPPLY

Connector No.	E12
Connector Name	FUSE AND FUSIBLE LINK BLOCK
Connector Type	24381_7990A



Terminal No.	Color Of Wire	Signal Name [Specification]
31	W	-
32	W/R	-
33	O	-
34	Y	-
36	SB	-
38	W	-
G	B	-
H	GR	-
I	W	-
J	BR	-
K	D	- [With VQ37 engine]
K	O	- [With VK56 engine]
L	W	-
M	R	-
N	G	-

Connector No.	E13
Connector Name	FUSE AND FUSIBLE LINK HOLDER
Connector Type	24380_CF000

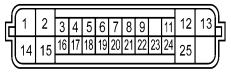


Terminal No.	Color Of Wire	Signal Name [Specification]
61	SB	-
62	LG	-
63	GR	-

Connector No.	E14
Connector Name	BATTERY TERMINAL WITH FUSIBLE LINK
Connector Type	24340_EA000

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

Connector No.	E15
Connector Name	VVEL CONTROL MODULE
Connector Type	RH18FB-AJZ8-LH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	VMOT-B2
2	L/B	MOTOR1-B2
3	B	VEL/S1-B1 [With VQ37 engine]
3	Y	VEL/S1-B1 [With VK56 engine]
4	W	SENSOR GROUND
5	L	VEL/S1-B2 [With VK56 engine]
5	W	VEL/S1-B2 [With VQ37 engine]
6	B	SENSOR GROUND
7	W	AVCC3 [With VK56 engine]
7	Y	AVCC3 [With VQ37 engine]
8	R	POWER SUPPLY FOR VVEL CONTROL MODULE
9	B	AVCC1 [With VK56 engine]
9	L	AVCC1 [With VQ37 engine]
11	GR	ENGINE COMMUNICATION LINE
12	L/B	VVEL ACTUATOR MOTOR (HIGH LIFT) (BANK 1)
13	W	VMOT-B1
14	B/R	VVEL CONTROL MODULE GROUND
15	L/W	MOTOR2-B2
16	G	VEL/S2-B1 [With VK56 engine]
16	R	VEL/S2-B1 [With VQ37 engine]
17	G	AGND2 [With VQ37 engine]
17	Y	AGND2 [With VK56 engine]
18	G	VEL/S2-B2 [With VQ37 engine]
18	R	VEL/S2-B2 [With VK56 engine]
19	L	AGND4 [With VK56 engine]
19	R	AGND4 [With VQ37 engine]
20	L	AVCC4 [With VQ37 engine]
20	R	AVCC4 [With VK56 engine]
21	V	VVEL ACTUATOR MOTOR RELAY ABORT SIGNAL
22	G	AVCC2 [With VK56 engine]
22	Y	AVCC2 [With VQ37 engine]
23	P	VVEL ACTUATOR MOTOR RELAY
24	L	CAN L
25	L/W	MOTOR2-B1

Connector No.	E16
Connector Name	VVEL ACTUATOR MOTOR RELAY
Connector Type	24347_9F900

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

Connector No.	E17
Connector Name	COOLING FAN RELAY 1
Connector Type	24347_9F900

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

Connector No.	E18
Connector Name	VEHICLE SECURITY HORN RELAY
Connector Type	M03FW-R-LC

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

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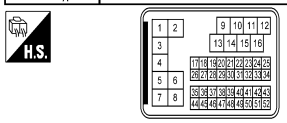
POWER SUPPLY ROUTING CIRCUIT

BATTERY POWER SUPPLY

Connector No.	E19
Connector Name	COOLING FAN RELAY 2
Connector Type	24347_9F900

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

Connector No.	E20
Connector Name	WIRE TO WIRE
Connector Type	SAA36MB-RS8-SHZ8



Terminal No.	Color Of Wire	Signal Name [Specification]
1	L/W	-
2	SHIELD	-
3	L/B	-
4	SHIELD	-
5	L/W	-
6	W	-
7	L/B	-
9	P	-
10	G	-
11	W	- [With VK56 engine]
11	Y	- [With VQ37 engine]
12	V	-
13	L	-
14	LG	- [With VK56 engine]
14	V	- [With VQ37 engine]
15	SB	-
16	GR	-
19	W	-
20	BR	-
21	G	-
22	O	-
23	L	-
24	GR	-
25	Y	-
28	V	-
29	Y	-
30	B	-
31	LG	-
32	W	-
33	BR	-
34	O	-
37	SHIELD	-
38	G	-
39	Y	-
40	R	-
41	W	-
42	L	-
43	B	-
46	SHIELD	-
47	R	-
48	L	-
49	G	-
50	B	-
51	Y	-
52	W	-

Connector No.	E34
Connector Name	FRONT FOG LAMP RH
Connector Type	FHZ02FB

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

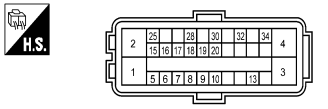
Connector No.	E35
Connector Name	INJECTOR RELAY 1
Connector Type	MS02FL-M2-LC

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

Connector No.	E36
Connector Name	INJECTOR RELAY 2
Connector Type	MS02FL-M2-LC

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

Connector No.	E41
Connector Name	ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT)
Connector Type	SAZ30FB-SJZ4-U



Terminal No.	Color Of Wire	Signal Name [Specification]
1	B/W	ECU(GND)
2	B	MOTOR(GND)
3	Y	SOLENOID(POWER)
4	G	MOTOR(POWER)
5	SB	STOP LAMP SW
6	Y	CANM2(-)
7	W	Rr-LH SEN(SIGNAL)
8	G	Rr-LH SEN(POWER)
9	BR	Fr-RH SEN(SIGNAL)
10	B	Fr-RH SEN(POWER)
13	LG	VAC SEN(SIGNAL)
15	P	CAN-L
16	B	CANM2(+)
17	Y	Rr-RH SEN(SIGNAL)
18	BR	Rr-RH SEN(POWER)
19	SB	Fr-LH SEN(SIGNAL)
20	O	Fr-LH SEN(POWER)
25	L	CAN-H
28	V	VAC SEN(POWER)
30	R	VDC OFF SW
32	SHIELD	VAC SEN(GND)
34	G	IGN(POWER)

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POWER SUPPLY ROUTING CIRCUIT

BATTERY POWER SUPPLY

Connector No.	E48
Connector Name	FRONT COMBINATION LAMP LH
Connector Type	RS08FB-PR

Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
2	G	-
3	B/Y	-
4	B/Y	-
5	V	-
7	P	-
8	P	-

Connector No.	E49
Connector Name	FRONT COMBINATION LAMP RH
Connector Type	RS08FB-PR

Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	-
2	V	-
3	B/W	-
4	B/W	-
5	R	-
7	BR	-
8	P	-

Connector No.	E50
Connector Name	DAYTIME RUNNING LIGHT RELAY
Connector Type	M06FBR-R-LC

Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	-
2	Y	-
3	Y	-
5	P	-
6	GR	-
7	P	-

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

Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	(+)BAT
3	V	BUZZER_SIGNAL

Connector No.	E64
Connector Name	FRONT FOG LAMP LH
Connector Type	FHZ02FB

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

Connector No.	E92
Connector Name	ICC BRAKE HOLD RELAY
Connector Type	MS02FL-M2-LC

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

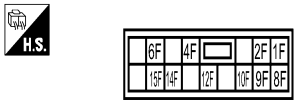
Connector No.	E101
Connector Name	FUSE BLOCK (J/B)
Connector Type	L01FW-MC

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

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

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

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



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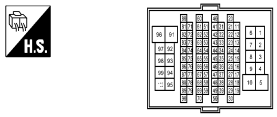
POWER SUPPLY ROUTING CIRCUIT

BATTERY POWER SUPPLY

Terminal No.	Color Of Wire	Signal Name [Specification]
10F	GR	-
12F	Y	-
14F	W	-
15F	V	-
1F	SB	-
2F	LG	-
4F	G	-
6F	O	-
8F	BR	-
9F	R	-

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



Terminal No.	Color Of Wire	Signal Name [Specification]
1	P	-
2	W	-
3	SB	-
4	LG	-
5	O	-
6	W	-
7	GR	-
8	G	-
9	Y	-
10	BR	-
11	SB	-
12	L	-
13	GR	-
14	GR	-
15	V	-
16	Y	-
17	GR	-
18	V	-
20	BR	-
21	P	-
22	L	-
23	P	-
27	SHIELD	-
28	L/O	-
29	W/L	-
31	BR	-
32	G	-
33	O	-
34	Y	-
36	G	-
37	V	-
41	BR	-
44	W	-
45	L	-
46	GR	-
47	V	-
48	G	-
49	O	-
50	LG	-
54	R	-
55	B	-
60	W	-
61	G	-
62	Y	-
63	BR	-
64	B	-
65	Y	-
66	R	-
67	SB	-
68	G	-
69	SHIELD	-
70	W	-
71	W	-
72	R	-
73	G	-
74	Y	-
75	B	-
76	SHIELD	-
77	O	-
78	SB	-
80	V	-
82	SB	-
83	GR	-
84	Y	-
85	Y	-
86	L	-
87	V	-
88	BR	-
89	LG	-
90	W	-
91	W	-
92	P	-
93	LG	-
94	BR	-
95	W	-
97	R	-
98	Y	-
99	V	-
100	V	-

Connector No.	E110
Connector Name	STOP LAMP SWITCH
Connector Type	M04FW-LC

Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	V	-
3	G	- [Without ICC]
3	W	- [With ICC]
4	SB	-

Connector No.	E202
Connector Name	BATTERY TERMINAL WITH FUSIBLE LINK
Connector Type	24340_79905

Terminal No.	Color Of Wire	Signal Name [Specification]
6	B/GR	-

Connector No.	E203
Connector Name	ALTERNATOR
Connector Type	24340_65F45

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

Connector No.	E204
Connector Name	STARTER MOTOR
Connector Type	24348_51E61

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

Connector No.	E205
Connector Name	BATTERY TERMINAL WITH FUSIBLE LINK
Connector Type	YZK_7003-1733-02

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POWER SUPPLY ROUTING CIRCUIT

BATTERY POWER SUPPLY

Terminal No.	Color Of Wire	Signal Name [Specification]
7	B/Y	-

Connector No.	F7
Connector Name	EVAP CANISTER PURGE VOLUME CONTROL SOLENOID VALVE
Connector Type	E02FL-RS-LGY

Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	POWER
2	GR	GND

Connector No.	F8
Connector Name	CONDENSER
Connector Type	M02FW-LC

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

Connector No.	F10
Connector Name	EVAP CANISTER PURGE VOLUME CONTROL SOLENOID VALVE
Connector Type	E02FL-RS

Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	POWER
2	GR	GND

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

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

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

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

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

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

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

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

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

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

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BATTERY POWER SUPPLY

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

H.S.

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

Connector No.	F21
Connector Name	INTAKE VALVE TIMING CONTROL SOLENOID VALVE (BANK 2)
Connector Type	E02FG-RS

H.S.

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

Connector No.	F22
Connector Name	INTAKE VALVE TIMING CONTROL SOLENOID VALVE (BANK 1)
Connector Type	E02FG-RS

H.S.

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

Connector No.	F25
Connector Name	EXHAUST VALVE TIMING CONTROL SOLENOID VALVE (BANK 2)
Connector Type	E02FG-RS

H.S.

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

Connector No.	F26
Connector Name	EXHAUST VALVE TIMING CONTROL SOLENOID VALVE (BANK 1)
Connector Type	E02FG-RS

H.S.

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

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

H.S.

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

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

H.S.

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

Connector No.	F31
Connector Name	MASS AIR FLOW SENSOR (BANK 1)
Connector Type	RH06FB

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	V	-
2	Y	-
3	O	-
4	V	-
5	SB	-

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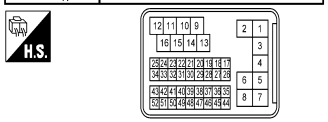
POWER SUPPLY ROUTING CIRCUIT

BATTERY POWER SUPPLY

Connector No.	F36
Connector Name	ALTERNATOR
Connector Type	HS03FB

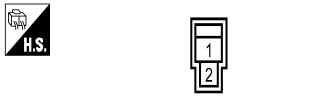
Terminal No.	Color Of Wire	Signal Name [Specification]
2	G	-
3	L	-
4	P	-

Connector No.	F40
Connector Name	WIRE TO WIRE
Connector Type	SAA36FB-RS8-SHZ8



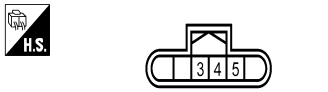
Terminal No.	Color Of Wire	Signal Name [Specification]
1	L/W	-
2	SHIELD	-
3	L/B	-
4	SHIELD	-
5	L/W	-
6	R	- [With VK56 engine]
6	W	- [With VQ37 engine]
7	L/B	-
9	W	-
10	G	-
11	G	- [With VK56 engine]
11	R	- [With VQ37 engine]
12	W	-
13	P	-
14	V	-
15	R	-
16	O	- [With VK56 engine]
16	Y	- [With VQ37 engine]
19	L	-
20	GR	-
21	G	-
22	W	-
23	L	-
24	Y	-
25	LG	-
28	R	-
29	W	-
30	B	-
31	V	-
32	BR	- [With VQ37 engine]
32	LG	- [With VK56 engine]
33	P	- [With VQ37 engine]
33	Y	- [With VK56 engine]
34	O	-
37	SHIELD	-
38	L/G	- [With VK56 engine]
38	O/L	- [With VQ37 engine]
39	L/Y	- [With VK56 engine]
39	P	- [With VQ37 engine]
40	W/L	-
41	O/L	- [With VK56 engine]
41	W	- [With VQ37 engine]
42	LG	- [With VQ37 engine]
42	O	- [With VK56 engine]
43	O	- [With VQ37 engine]
43	W	- [With VK56 engine]
46	SHIELD	-
47	L/G	- [With VK56 engine]
47	W	- [With VQ37 engine]
48	BR	- [With VQ37 engine]
48	L/Y	- [With VK56 engine]
49	O/L	- [With VQ37 engine]
49	W/L	- [With VK56 engine]
50	O/L	- [With VK56 engine]
50	W/L	- [With VQ37 engine]
51	O	- [With VK56 engine]
51	SB	- [With VQ37 engine]
52	O	- [With VQ37 engine]
52	W	- [With VK56 engine]

Connector No.	F41
Connector Name	CONDENSER
Connector Type	M02FW-GY-LC



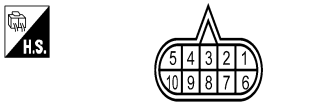
Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	B	-

Connector No.	F42
Connector Name	MASS AIR FLOW SENSOR (BANK 2)
Connector Type	RH06FB



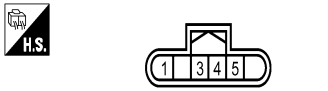
Terminal No.	Color Of Wire	Signal Name [Specification]
3	BR	-
4	B	-
5	V	-

Connector No.	F61
Connector Name	A/T ASSEMBLY
Connector Type	RK10FG-DGY



Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	POWER SUPPLY (BACK UP)
2	R	POWER SUPPLY (BACK UP)
3	L	CAN-H
4	V	K-LINE
5	B	GND
6	G	POWER SUPPLY (IGN)
7	SB	BACK-UP LAMP RELAY
8	P	CAN-L
9	BR	P/N SIGNAL
10	B	GROUND

Connector No.	F85
Connector Name	MASS AIR FLOW SENSOR (BANK 2)
Connector Type	RH06FB



Terminal No.	Color Of Wire	Signal Name [Specification]
1	O	-
3	B	-
4	O	-
5	BR	-

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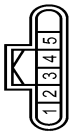
BATTERY POWER SUPPLY

Connector No.	F86
Connector Name	MASS AIR FLOW SENSOR (BANK 1)
Connector Type	RH06FB

H.S.



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

Connector No.	F91
Connector Name	(IGNITION COIL No. 1 (WITH POWER TRANSISTOR)
Connector Type	E03FGY-RS

H.S.

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

Connector No.	F92
Connector Name	(IGNITION COIL No. 2 (WITH POWER TRANSISTOR)
Connector Type	E03FGY-RS

H.S.

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

Connector No.	F93
Connector Name	(IGNITION COIL No. 3 (WITH POWER TRANSISTOR)
Connector Type	E03FGY-RS

H.S.

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

Connector No.	F94
Connector Name	(IGNITION COIL No. 4 (WITH POWER TRANSISTOR)
Connector Type	E03FGY-RS

H.S.

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

Connector No.	F95
Connector Name	(IGNITION COIL No. 5 (WITH POWER TRANSISTOR)
Connector Type	E03FGY-RS

H.S.

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

Connector No.	F96
Connector Name	(IGNITION COIL No. 6 (WITH POWER TRANSISTOR)
Connector Type	E03FGY-RS

H.S.

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

Connector No.	F97
Connector Name	(IGNITION COIL No. 7 (WITH POWER TRANSISTOR)
Connector Type	E03FGY-RS

H.S.

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

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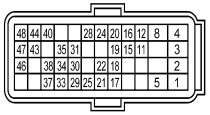
POWER SUPPLY ROUTING CIRCUIT

BATTERY POWER SUPPLY

Connector No.	F98
Connector Name	IGNITION COIL No. 8 (WITH POWER TRANSISTOR)
Connector Type	E03FGY-RS

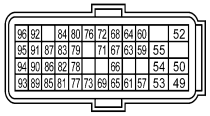
Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	-
2	B	-
3	W	-

Connector No.	F101
Connector Name	ECM
Connector Type	RH40FB-RZ8-L-RH-Z



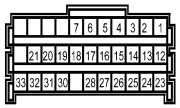
Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	A/F SENSOR 1 HEATER (BANK 1)
2	G	THROTTLE CONTROL MOTOR (BANK 1) (OPEN)
3	R	THROTTLE CONTROL MOTOR POWER SUPPLY (BANK 1)
4	BR	THROTTLE CONTROL MOTOR (BANK 1) (CLOSE)
5	L	A/F SENSOR 1 HEATER (BANK 2)
8	B	ECM GROUND
11	GR	IGNITION SIGNAL No. 4
12	L	IGNITION SIGNAL No. 3
15	LG	IGNITION SIGNAL No. 5
16	G	IGNITION SIGNAL No. 2
17	P	HEATED OXYGEN SENSOR 2 HEATER (BANK 1)
18	Y	INTAKE VALVE TIMING CONTROL SOLENOID VALVE (BANK 1)
19	V	IGNITION SIGNAL No. 6
20	Y	IGNITION SIGNAL No. 1
21	GR	EVAP CANISTER PURGE VOLUME CONTROL SOLENOID VALVE
22	B	FUEL PUMP RELAY
24	V	ECM RELAY (SELF SHUT-OFF)
25	O	THROTTLE CONTROL MOTOR RELAY
28	R	VVEL ACTUATOR MOTOR RELAY ABORT SIGNAL (VVEL CONTROL MODULE)
29	Y	INTAKE VALVE TIMING CONTROL SOLENOID VALVE (BANK 2)
30	O	THROTTLE POSITION SENSOR 1 (BANK 1)
31	O/L	THROTTLE POSITION SENSOR 1 (BANK 2)
33	LG	HEATED OXYGEN SENSOR 2 HEATER (BANK 2)
34	W/L	THROTTLE POSITION SENSOR 2 (BANK 1)
35	W	THROTTLE POSITION SENSOR 2 (BANK 2)
37	L	CRANKSHAFT POSITION SENSOR
38	W	MANIFOLD ABSOLUTE PRESSURE SENSOR
40	O/L	SENSOR GROUND
43	W/L	SENSOR POWER SUPPLY [THROTTLE POSITION SENSOR (BANK 2)]
44	W	SENSOR POWER SUPPLY [THROTTLE POSITION SENSOR (BANK 1)]
46	R	AVCC POS
47	B	GND POS
48	O	SENSOR GROUND

Connector No.	F102
Connector Name	ECM
Connector Type	RH40FBR-RZ8-L-RH-Z



Terminal No.	Color Of Wire	Signal Name [Specification]
49	LG	THROTTLE CONTROL MOTOR (BANK 2) (CLOSE)
50	V	THROTTLE CONTROL MOTOR (BANK 2) (OPEN)
52	R	THROTTLE CONTROL MOTOR RELAY POWER SUPPLY (BANK 2)
53	G	IGNITION SWITCH
54	L	CAN COMMUNICATION LINE (VVEL CONTROL MODULE)
55	Y	CAN COMMUNICATION LINE (VVEL CONTROL MODULE)
57	L	A/F SENSOR 1 (BANK 1)
59	L	CAMSHAFT POSITION SENSOR (BANK 1)
60	G	AVCC PHS1-E PHS1/PS
61	B/W	A/F SENSOR 1 (BANK 1)
63	BR	CAMSHAFT POSITION SENSOR (BANK 2)
64	W	AVCC PHS2-E PHS2/CU
65	L/O	A/F SENSOR 1 (BANK 2)
66	W/L	A/F SENSOR 1 (BANK 2)
67	Y	INTAKE AIR TEMPERATURE SENSOR (BANK 1)
68	V	GNDA QA1/TA1
69	GR	KNOCK SENSOR (BANK 2)
71	SB	ENGINE COOLANT TEMPERATURE SENSOR
72	SHIELD	SENSOR GROUND (KNOCK SENSOR)
73	W	KNOCK SENSOR (BANK 1)
76	BR	HEATED OXYGEN SENSOR 2 (BANK 1)
77	O	MASS AIR FLOW SENSOR (BANK 1)
78	G	ENGINE OIL TEMPERATURE SENSOR
79	BR	MASS AIR FLOW SENSOR (BANK 2)
80	L	HEATED OXYGEN SENSOR 2 (BANK 2)
81	Y	FUEL INJECTOR No. 3
82	V	FUEL INJECTOR No. 6
83	GR	BATT TEMP
84	B/W	SENSOR GROUND
85	BR	FUEL INJECTOR No. 2
86	R	FUEL INJECTOR No. 5
87	V	POWER STEERING PRESSURE SENSOR
89	GR	FUEL INJECTOR No. 1
90	O	FUEL INJECTOR No. 4
91	G	BATTERY CURRENT SENSOR
92	R	GNDA PHASE#2
93	W	POWER SUPPLY FOR ECM (BACK-UP)
94	B	GNDA QA2
95	W	GNDA CURSEN
96	O	GNDA PHASE#1/PS

Connector No.	F104
Connector Name	JOINT CONNECTOR-F01
Connector Type	BJ30FW



Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	- [With VQ37 Engine]
1	GR	- [With VK56 Engine]
2	B	- [With VQ37 Engine]
2	GR	- [With VK56 Engine]
3	SHIELD	-
4	SHIELD	-
5	SHIELD	-
6	SHIELD	-
7	SHIELD	-
12	O	- [With VQ37 Engine]
12	SHIELD	- [With VK56 Engine]
13	B/W	- [With VK56 Engine]
13	O	- [With VQ37 Engine]
14	O	- [With VQ37 Engine]
14	SHIELD	- [With VK56 Engine]
15	O	- [With VQ37 Engine]
15	SHIELD	- [With VK56 Engine]
16	SHIELD	-
17	B/W	- [With VQ37 Engine]
17	SHIELD	- [With VK56 Engine]
18	B/W	- [With VQ37 Engine]
18	SHIELD	- [With VK56 Engine]
19	B/W	- [With VQ37 Engine]
19	SHIELD	- [With VK56 Engine]
20	B/W	- [With VQ37 Engine]
20	SHIELD	- [With VK56 Engine]
21	B/W	-
23	R	-
24	R	-
25	R	-
26	L	- [With VK56 Engine]
26	W	- [With VQ37 Engine]
27	L	- [With VK56 Engine]
27	W	- [With VQ37 Engine]
28	L	- [With VK56 Engine]
28	W	- [With VQ37 Engine]
30	B	- [With VK56 Engine]
30	G	- [With VQ37 Engine]
31	B	- [With VK56 Engine]
31	G	- [With VQ37 Engine]
32	B	- [With VK56 Engine]
32	G	- [With VQ37 Engine]
33	B	- [With VK56 Engine]
33	G	- [With VQ37 Engine]

Connector No.	F301
Connector Name	TCM
Connector Type	SP10FG

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POWER SUPPLY ROUTING CIRCUIT

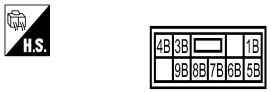
BATTERY POWER SUPPLY

Terminal No.	Color Of Wire	Signal Name [Specification]
1	-	VIGN
2	-	BATT
3	-	CAN-H
4	-	K LINE
5	-	GND
6	-	VIGN
7	-	REV LAMP RLY
8	-	CAN-L
9	-	START RLY
10	-	GND

Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS06FW-M2

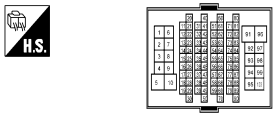
Terminal No.	Color Of Wire	Signal Name [Specification]
1A	R	-
2A	W	-
3A	Y	-
4A	W	-
5A	V	-
6A	Y	-
8A	Y	-

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



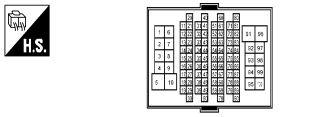
Terminal No.	Color Of Wire	Signal Name [Specification]
1B	R	-
3B	P	-
4B	G	-
5B	SB	-
6B	W	- [With VQ37 engine]
6B	Y	- [With VK56 engine]
7B	Y	-
8B	R	-
9B	R	-

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



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	W	-
3	SB	-
4	LG	-
5	W	-
6	W	-
7	BG	-
8	G	-
9	Y	-
10	W	-
11	R	-
12	V	-
13	LG	-
14	L	-
15	V	-
16	B	-
17	GR	-
18	V	-
20	SB	-
21	BR	-
22	L	-
23	P	-
27	SHIELD	-
28	V	-
29	SB	-
31	BG	-
32	P	-
33	R	-
34	BG	-
36	V	-
37	G	-
41	BR	-
44	BR	-
45	Y	-
46	BG	-
47	V	-
48	G	-
49	BG	-
50	W	-
54	W	-
55	G	-
60	GR	-
61	B	-
62	LG	-
63	BR	-
64	L	- [With ICC]
64	SB	- [Without ICC]
65	R	- [With ICC]
65	Y	- [Without ICC]
66	P	-
67	L	-
68	R	-
69	SHIELD	-
70	B	-
71	W	-
72	R	-
73	G	-
74	Y	-
75	B	-
76	SHIELD	-
77	B	-
78	V	-
80	G	-
82	B	-
83	BG	-
84	SB	-
85	Y	-
86	L	-
87	V	-
88	V	-
89	LG	-
90	BG	-
91	W	-
92	BG	-
93	G	-
94	Y	-
95	W	-
97	SB	-
98	R	-
99	W	-
100	L	-

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



Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	-
2	Y	-
4	BR	-
5	P	-
7	G	-
8	Y	-
9	G	-
10	V	-
11	L	- [With heated seat]
11	V	- [With climate controlled seat]
12	GR	- [With heated seat]
12	P	- [With climate controlled seat]
13	BR	-
14	GR	-

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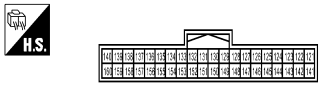
BATTERY POWER SUPPLY

15	BG	-
16	V	-
17	BG	-
18	L	- [Without CAN gateway]
18	Y	- [With CAN gateway]
19	W	-
20	L	-
21	B	-
22	LG	-
23	W	-
24	V	-
25	G	-
26	BR	-
27	SB	-
28	P	-
29	L	-
30	SHIELD	-
32	L	-
33	P	-
36	BG	-
37	SB	-
41	SB	-
42	V	-
43	L	-
44	B	-
47	L	-
48	LG	-
49	BR	-
50	V	-
51	V	-
52	P	-
53	BG	-
56	SB	-
57	P	-
58	LG	-
59	Y	-
60	GR	-
61	B	-
62	LG	-
63	BR	-
65	W	-
66	R	-
67	V	-
68	LG	-
69	SB	-
70	V	-
72	L	-
73	P	-
74	L	-
75	P	-

76	G	-
77	Y	-
78	SB	-
79	W	-
81	LG	-
82	BR	-
83	BG	-
84	B	-
85	W	-
86	G	-
87	R	-
88	G	-
91	W	-
92	G	-
96	W	-
97	BG	-
98	Y	-
99	LG	-

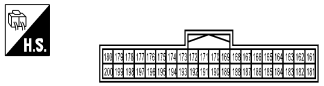
Connector No.	M23
Connector Name	PCB HARNESS
Connector Type	TH40FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
121	R	-
122	V	-
123	BG	-
124	BG	-
126	B	-
131	SB	-
132	LG	-
133	L	-
134	L	-
135	P	-
136	P	-
137	Y	-
138	L	-
141	W	-
142	W	-
144	P	-

145	B	-
146	LG	-
147	B	-
149	B	-
150	P	-
151	L	-
152	B	-
153	W	-
154	W	-
155	W	-
157	W	-
158	R	-
159	R	-
160	SB	-

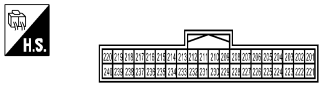
Connector No.	M24
Connector Name	PCB HARNESS
Connector Type	TH40FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
161	BG	-
162	BG	-
164	V	-
165	V	-
166	R	-
167	LG	-
169	R	-
171	BG	-
172	B	-
174	W	-
176	L	-
177	P	-
178	Y	-
179	L	-
180	LG	-
182	BR	- [With VQ37 engine or with VK56 engine without ICC]
182	R	- [With VK56 engine with ICC]
183	G	-
184	V	-
185	P	-

186	R	-
187	L	- [Without CAN gateway]
187	Y	- [With CAN gateway]
188	L	-
189	B	-
190	V	-
191	LG	-
192	B	-
193	SB	-
194	BR	-
195	SB	-
198	R	-
199	B	-
200	SB	-

Connector No.	M25
Connector Name	PCB HARNESS
Connector Type	TH40FB-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
201	L	-
206	P	-
207	Y	-
208	G	-
209	G	- [Without BOSE system]
209	L	- [With BOSE system]
210	L	- [Without BOSE system]
210	P	- [With BOSE system]
211	SHIELD	-
212	BR	- [Without BOSE system]
212	G	- [With BOSE system]
213	R	-
214	SHIELD	-
215	GR	- [Without BOSE system]
215	V	- [With BOSE system]
216	G	- [Without BOSE system]
216	LG	- [With BOSE system]
217	SHIELD	-
218	BR	- [With BOSE system]
218	P	- [Without BOSE system]

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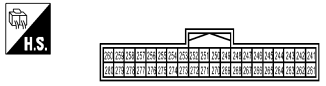
POWER SUPPLY ROUTING CIRCUIT

BATTERY POWER SUPPLY

219	GR	- [With BOSE system]
219	V	- [Without BOSE system]
220	SHIELD	-
221	P	-
222	LG	-
223	SB	-
224	SB	-
225	LG	-
226	R	-
229	SB	-
230	BR	-
231	SB	-
232	V	-
233	L	-
234	P	-
235	B	-
239	V	-
240	W	-

Connector No.	M26
Connector Name	PCB HARNESS
Connector Type	TH40FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
241	L	-
242	L	-
243	R	- [With ICC]
243	Y	- [Without ICC]
244	L	- [With ICC]
244	SB	- [Without ICC]
245	B	-
246	B	-
247	B	-
248	SHIELD	-
251	SHIELD	-
252	B	-
253	B	-
254	B	- [With heated seat]
254	W	- [With climate controlled seat]
255	B	-

258	R	-
259	L	-
260	BG	-
261	P	-
262	P	-
267	P	-
268	Y	-
269	G	-
270	Y	-
271	BR	-
272	G	-
273	R	-
274	R	-
275	Y	-
276	B	-
277	G	-
278	R	-
279	R	-
280	Y	-

Connector No.	M27
Connector Name	PCB HARNESS
Connector Type	TH40FB-NH

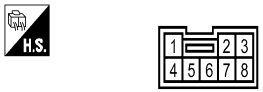
Terminal No.	Color Of Wire	Signal Name [Specification]
281	O	-
282	BG	-
283	BG	-
284	BG	-
286	W	-
287	Y	-
288	W	-
289	SHIELD	-
290	B	-
291	SHIELD	-
292	B	-
293	B	-
294	B	-
295	B	-
296	GR	-

297	B	-
298	B	-
299	L	-
300	W	-
301	R	-
302	R	-
303	R	-
304	SHIELD	-
305	P	-
306	V	-
309	G	-
310	R	-
311	W	-
312	B	-
313	B	-
314	Y	-
315	G	-
316	R	-
317	W	-
318	SHIELD	-
319	V	-
320	W	-

Connector No.	M35
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TK06FY-EX-1V

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

Connector No.	M50
Connector Name	PUSH-BUTTON IGNITION SWITCH
Connector Type	TK08FBR



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

Connector No.	M52
Connector Name	AUTOMATIC DRIVE POSITIONER CONTROL UNIT
Connector Type	NS06FW-CS

Terminal No.	Color Of Wire	Signal Name [Specification]
25	W	BAT (C/B)
26	L	TELESCOPIC MOTOR (BACKWARD)
27	P	POWER SUPPLY (SENSOR)
28	G	TILT MOTOR (DOWNWARD)
29	LG	TILT MOTOR (UPWARD)
30	B	GND

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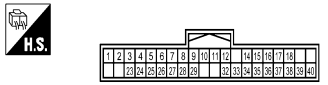
POWER SUPPLY ROUTING CIRCUIT

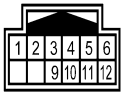
BATTERY POWER SUPPLY

Connector No.	M53
Connector Name	COMBINATION METER
Connector Type	TH40FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	BATTERY POWER SUPPLY
2	BG	IGNITION SIGNAL
3	GR	VEHICLE SPEED SIGNAL (2-PULSE)
4	R	VEHICLE SPEED SIGNAL (8-PULSE)
5	B	ILLUMINATION CONTROL SIGNAL
6	B	METER CONTROL SWITCH GROUND
7	SB	ENTER SWITCH SIGNAL
8	LG	SELECT SWITCH SIGNAL
9	G	ILLUMINATION CONTROL SWITCH SIGNAL (+)
10	GR	ILLUMINATION CONTROL SWITCH SIGNAL (-)
11	L	TRIP RESET SWITCH SIGNAL
12	B	GROUND
14	L	CAN-H
15	P	CAN-L
16	R	AIR BAG SIGNAL
17	G	LED HEADLAMP (RH) WARNING SIGNAL
18	V	LED HEADLAMP (LH) WARNING SIGNAL
23	B	GROUND
24	B	FUEL LEVEL SENSOR GROUND
25	W	ALTERNATOR SIGNAL
26	V	PARKING BRAKE SWITCH SIGNAL
27	V	BRAKE FLUID LEVEL SWITCH SIGNAL
28	G	SECURITY SIGNAL
29	L	WASHER LEVEL SWITCH SIGNAL
32	G	PADDLE SHIFTER SHIFT DOWN SIGNAL
33	BG	PADDLE SHIFTER SHIFT UP SIGNAL
34	G	FUEL LEVEL SENSOR SIGNAL
35	W	SEAT BELT BUCKLE SWITCH SIGNAL (DRIVER SIDE)
36	G	PASSENGER SEAT BELT WARNING SIGNAL
37	G	NON-MANUAL MODE SIGNAL
38	V	MANUAL MODE SHIFT DOWN SIGNAL
39	L	MANUAL MODE SHIFT UP SIGNAL
40	W	MANUAL MODE SIGNAL

Connector No.	M54
Connector Name	METER CONTROL SWITCH
Connector Type	TH12MW-NH



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

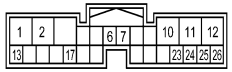
Connector No.	M61
Connector Name	CLIMATE CONTROLLED SEAT RELAY
Connector Type	M06FBR-R-LC

Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
2	W	-
3	W	-
5	LG	-
6	G	-
7	SB	-

Connector No.	M65
Connector Name	CIRCUIT BREAKER
Connector Type	M02FW-LC

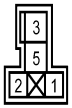
Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	W	-

Connector No.	M66
Connector Name	A/C AUTO AMP.
Connector Type	TH20FW-TB6



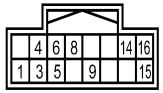
Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	BATTERY POWER SUPPLY
2	W	IGNITION POWER SUPPLY
6	R	BLOWER MOTOR F/B SIGNAL
7	L	POWER TRANSISTOR CONTROL SIGNAL
10	B	GROUND
11	P	CAN-L
12	L	CAN-H
13	V	ACC POWER SUPPLY
17	BG	ECV CONTROL SIGNAL
23	W	DRIVE MODE SELECT SW (SNOW)
24	L	DRIVE MODE SELECT SW (ECO)
25	G	DRIVE MODE SELECT SW (STANDARD)
26	Y	DRIVE MODE SELECT SW (SPORT)

Connector No.	M70
Connector Name	FRONT HEATED SEAT RELAY
Connector Type	M502FL-M2-LC



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

Connector No.	M72
Connector Name	MULTIFUNCTION SWITCH
Connector Type	TH16FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	GND
3	V	ACC
4	R	ILL
5	B	ILL CONT
6	SB	AV COMM (H)
8	LG	AV COMM (L)
9	BR	SW GND
14	SB	DISK EJECT SIGNAL
15	R	AIR BAG CUT OFF
16	G	HAZARD ON

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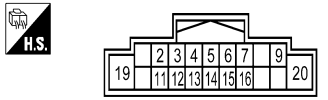
BATTERY POWER SUPPLY

Connector No.	M74
Connector Name	CLOCK
Connector Type	TH04FW-NH

Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	BATTERY POWER SUPPLY
2	B	GROUND
3	R	ILLUMINATION (+)
4	B	ILLUMINATION (-)

Connector No.	M81
Connector Name	AV CONTROL UNIT
Connector Type	TH18FW-CS2

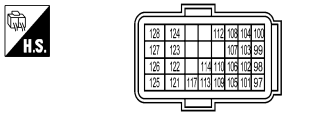


Terminal No.	Color Of Wire	Signal Name [Specification]
2	G	SOUND SIGNAL FRONT LH (+)
3	L	SOUND SIGNAL FRONT LH (-)
4	GR	SOUND SIGNAL REAR LH (+)
5	G	SOUND SIGNAL REAR LH (-)
6	P	STRG SW A
7	V	ACC POWER SUPPLY
9	SB	ILLUMINATION
11	BR	SOUND SIGNAL FRONT RH (+)
12	R	SOUND SIGNAL FRONT RH (-)
13	P	SOUND SIGNAL REAR RH (+)
14	V	SOUND SIGNAL REAR RH (-)
15	B	STRG SW GND
16	L	STRG SW B
19	Y	BATTERY POWER SUPPLY
20	B	GROUND

Connector No.	M93
Connector Name	GLOVE BOX LAMP
Connector Type	A02FW

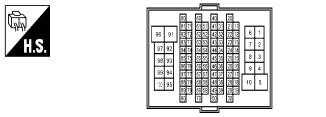
Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	B	-

Connector No.	M107
Connector Name	ECM
Connector Type	RH24FGY-RZ8-R-RH-Z



Terminal No.	Color Of Wire	Signal Name [Specification]
97	R	ACCELERATOR PEDAL POSITION SENSOR 1
98	Y	ACCELERATOR PEDAL POSITION SENSOR 2
99	G	SENSOR POWER SUPPLY (ACCELERATOR PEDAL POSITION SENSOR 1)
100	W	SENSOR GROUND (ACCELERATOR PEDAL POSITION SENSOR 1)
101	SB	ASCD STEERING SWITCH
102	P	FUEL TANK PRESSURE SENSOR
103	L	SENSOR POWER SUPPLY (ACCELERATOR PEDAL POSITION SENSOR 2)
104	B	SENSOR GROUND [Without ICC]
104	BR	SENSOR GROUND [With ICC]
105	LG	REFRIGERANT PRESSURE SENSOR
106	P	FUEL TANK TEMPERATURE SENSOR
107	BG	AVCC2 PDPRES/FTPRES
108	Y	GND ASCD SW
109	BR	TRANSMISSION RANGE SWITCH
110	V	ENGINE SPEED SIGNAL OUTPUT
112	V	GNDA PDPRES/FTPRES
113	P	CAN COMMUNICATION LINE
114	L	CAN COMMUNICATION LINE
117	V	DATA LINK CONNECTOR
121	G	EVAP CANISTER VENT CONTROL VALVE
122	P	STOP LAMP SWITCH
123	B	ECM GROUND
124	B	ECM GROUND
125	SB	POWER SUPPLY FOR ECM
126	BR	ASCD BRAKE SWITCH
127	B	ECM GROUND
128	B	ECM GROUND

Connector No.	M117
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4



Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
3	Y	-
6	R	-
7	W	-
8	V	-
11	R	-
12	G	-
13	W	-
14	L	-
15	R	- [Without ADAS]
15	Y	- [With ADAS]
17	GR	-
18	P	-
19	BR	-
20	GR	-
21	Y	-
22	LG	-
23	R	-
24	BG	-
25	BG	-
26	W	-
27	R	-
28	V	-
29	P	-
30	B	-
31	G	-
32	Y	-
40	SHIELD	-
41	R	-
42	V	-
45	SB	-
46	BG	- [With heated seat]
46	L	- [With climate controlled seat]
47	G	- [With climate controlled seat]
47	GR	- [With heated seat]
48	V	-
49	BG	-
50	LG	-
51	SB	-
52	Y	-
53	W	-
56	B	-
57	G	-
58	R	-
59	W	-
61	LG	-
62	V	-
63	R	-
64	SB	-
65	LG	-
66	L	-
67	Y	-
68	SB	-
69	B	-
71	L	-
72	L	-
73	P	-
74	B	-
75	L	-
76	SHIELD	-
77	G	-
78	R	-
79	L	-
80	G	-
81	BG	-
82	BR	-
83	GR	-
84	V	-
85	LG	-
86	V	-
87	R	-
88	Y	-
89	BR	-
90	L	-
91	Y	-

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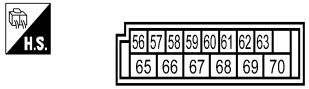
POWER SUPPLY ROUTING CIRCUIT

BATTERY POWER SUPPLY

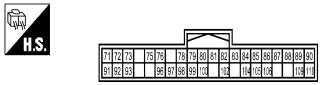
93	G	- [With heated seat]
93	W	- [With climate controlled seat]
94	V	-
96	W	-
97	Y	-
98	BR	-
99	G	-
100	Y	-

Connector No.	M122
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	FEA09FW-FHA6-SA



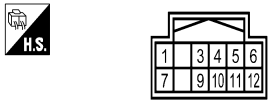
Terminal No.	Color Of Wire	Signal Name [Specification]
56	R	INT ROOM LAMP PWR SPLY
57	R	BAT (FUSE)
58	L	AIR BAG SIGNAL
59	G	PASS DOOR UNLK OUTPUT
60	G	TURN SIG LH OUTPUT (SIDE, REAR)
61	V	TURN SIG RH OUTPUT (SIDE, REAR)
62	V	STEP LAMP CONT
63	L	ROOM LAMP TIMER CONT
65	V	ALL DOOR, FL LID LOCK OUTPUT
66	LG	DR DOOR, FL LID UNLK OUTPUT
67	B	GND
68	O	PW PWR SPLY (IGN)
69	Y	PW PWR SPLY (BAT)
70	W	BAT (F/L)

Connector No.	M123
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
71	BR	KYLS ENT RECEIVER COMM
72	B	OUTS HD LAMP OUTPUT
73	V	ON IND
75	G	DR DOOR REQ SW
76	BR	PUSH SW
78	BR	DRIVER DOOR ANT+
79	SB	DRIVER DOOR ANT-
80	LG	PASSENGER DOOR ANT+
81	V	PASSENGER DOOR ANT-
82	V	REAR BMPR ANT+
83	SB	REAR BMPR ANT-
84	BR	ROOM ANT1+
85	Y	ROOM ANT1-
86	R	ROOM ANT2+
87	G	ROOM ANT2-
88	V	TRUNK ROOM ANT+
89	SB	TRUNK ROOM ANT-
90	R	PUSH-BTN IGN SW ILL PWR
91	GR	LOCK IND
92	B	PUSH-BTN IGN SW ILL GND
93	V	I-KEY WARN BUZZER
96	SB	ACC RELAY CONT
97	SB	STARTER RELAY CONT
98	B	IGN RELAY (IPDM E/R) CONT
99	R	IGN RELAY (F/B) CONT
100	SB	PASS DOOR REQ SW
102	BR	P/N POSITION
104	GR	A/T SHIFT SELECT PWR SPLY
105	R	STOP LAMP SW 2
106	B	BLWR RELAY CONT
109	Y	ACC IND
110	R	RECEIVER PWR SPLY

Connector No.	M125
Connector Name	CAN GATEWAY
Connector Type	TH12FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	CAN-H
3	GR	BATTERY
4	L	CAN-H
5	B	GND
6	L	CAN-H
7	P	CAN-L
9	W	IGNITION
10	P	CAN-L
11	B	GND
12	P	CAN-L

Connector No.	M130
Connector Name	NATS ANTENNA AMP.
Connector Type	TH04FW-NH

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

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

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

Connector No.	M134
Connector Name	OPTION CONNECTOR
Connector Type	TH08FW-NH

Terminal No.	Color Of Wire	Signal Name [Specification]
1	BG	-
2	W	-
3	L	-
4	L	-
5	P	-
6	B	-
7	LG	-
8	GR	-

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POWER SUPPLY ROUTING CIRCUIT

BATTERY POWER SUPPLY

Connector No.	M150
Connector Name	WIRE TO WIRE
Connector Type	RH12FB

Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
2	BR	-
3	R	-
4	L	-
5	W	-
6	G	-
7	BG	-
8	LG	-
9	G	-
10	Y	-
11	L	-
12	SHIELD	-

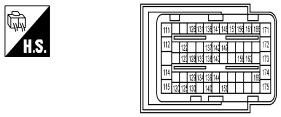
Connector No.	M151
Connector Name	WIRE TO WIRE
Connector Type	RH12MB

Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
2	B	-
3	R	-
4	L	-
5	W	-
6	G	-
7	O	-
8	B	-
9	R	-
10	Y	-
11	L	-
12	SHIELD	-

Connector No.	M154
Connector Name	ACCELERATOR PEDAL ACTUATOR/ACCELERATOR PEDAL POSITION SENSOR
Connector Type	RH12FB

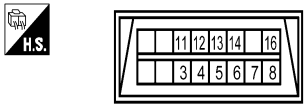
Terminal No.	Color Of Wire	Signal Name [Specification]
1	O	BATTERY
2	R	IGNITION
3	L	ITS COMM-H
4	G	SENSOR POWER SUPPLY
5	W	SENSOR GROUND
6	R	ACCELERATOR PEDAL POSITION SENSOR 1
7	B	GROUND
9	Y	ITS COMM-L
10	L	SENSOR POWER SUPPLY
11	B	SENSOR GROUND
12	Y	ACCELERATOR PEDAL POSITION SENSOR 2

Connector No.	M160
Connector Name	ECM
Connector Type	MAB55FB-MEB10-LH-Z



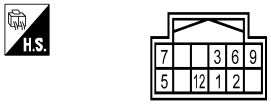
Terminal No.	Color Of Wire	Signal Name [Specification]
111	W	FUEL INJECTOR DRIVER POWER SUPPLY
112	W	FUEL INJECTOR DRIVER POWER SUPPLY
114	B	ECM GROUND
115	B	ECM GROUND
120	G	EVAP CANISTER VENT CONTROL VALVE
122	V	VVEL ACTUATOR MOTOR RELAY ABORT SIGNAL (VVEL CONTROL MODULE)
123	BG	THROTTLE CONTROL MOTOR RELAY
125	P	FUEL PUMP CONTROL MODULE (FPCM)
126	Y	ACCELERATOR PEDAL POSITION SENSOR 2
128	SB	ASCD STEERING SWITCH
129	B	SENSOR GROUND [Without ICC]
129	BR	SENSOR GROUND [With ICC]
130	Y	SENSOR GROUND
131	L	SENSOR POWER SUPPLY
133	BG	SENSOR POWER SUPPLY
134	P	FUEL TANK TEMPERATURE SENSOR
136	R	ACCELERATOR PEDAL POSITION SENSOR 1
137	G	SENSOR POWER SUPPLY
138	P	BATTERY CURRENT SENSOR
139	BG	BATTERY TEMPERATURE SENSOR
140	W	SENSOR GROUND
141	G	IGNITION SWITCH
142	GR	FUEL PUMP CONTROL MODULE (FPCM) CHECK
143	P	FUEL TANK PRESSURE SENSOR
144	LG	REFRIGERANT PRESSURE SENSOR
146	L	CAN COMMUNICATION LINE
147	BR	ASCD BRAKE SWITCH
150	V	SENSOR GROUND
151	P	CAN COMMUNICATION LINE
156	W	POWER SUPPLY FOR ECM (BACK-UP)
158	P	STOP LAMP SWITCH
161	Y	ENG COMMUNICATION LINE
163	W	ECM RELAY (SELF SHUT-OFF)
166	BG	ENG COMMUNICATION LINE
169	V	ENGINE SPEED SIGNAL OUTPUT
171	SB	POWER SUPPLY FOR ECM
172	SB	POWER SUPPLY FOR ECM
173	R	THROTTLE CONTROL MOTOR POWER SUPPLY
174	B	ECM GROUND
175	B	ECM GROUND

Connector No.	M182
Connector Name	DATA LINK CONNECTOR
Connector Type	BD16FW



Terminal No.	Color Of Wire	Signal Name [Specification]
3	LG	M-CAN_L
4	B	EARTH
5	B	EARTH
6	L	CAN-H
7	V	KLINE
8	LG	IGN_SW
11	SB	M-CAN_H
12	P	CAN-L
13	L	CAN-H
14	P	CAN-L
16	W	POWER

Connector No.	M183
Connector Name	TRIPLE SWITCH
Connector Type	TH12FB-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	LG	-
2	BR	- [With ICC]
2	SB	- [Without ICC]
3	BR	-
5	B	-
6	R	-
7	B	-
9	W	-
12	L	-

JRMWI6343GB

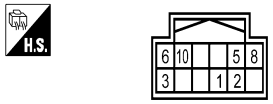
POWER SUPPLY ROUTING CIRCUIT

BATTERY POWER SUPPLY

Connector No.	M187
Connector Name	TRUNK LID OPENER SWITCH
Connector Type	TH08FB-NH

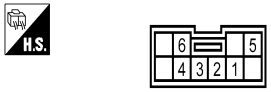
Terminal No.	Color Of Wire	Signal Name [Specification]
1	BG	-
2	B	-
3	R	-
4	B	-

Connector No.	M188
Connector Name	TWIN SWITCH
Connector Type	TH12FGY-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	-
2	SB	-
3	B	-
5	BG	-
6	B	-
8	W	-
10	B	-

Connector No.	M198
Connector Name	FRONT HEATED SEAT SWITCH (DRIVER SIDE)
Connector Type	TK10FW



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

Connector No.	M199
Connector Name	FRONT HEATED SEAT SWITCH (PASSENGER SIDE)
Connector Type	TK08FBR

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

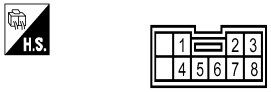
Connector No.	M202
Connector Name	A/T SHIFT SELECTOR ILLUMINATION
Connector Type	TK02FBR-B

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

Connector No.	M203
Connector Name	DRIVE MODE SELECT SWITCH
Connector Type	TH10FB-NH

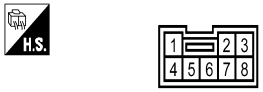
Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	L	-
3	G	-
4	Y	-
6	B	-
7	B	-
9	R	-

Connector No.	M204
Connector Name	CLIMATE CONTROLLED SEAT SWITCH (DRIVER SIDE)
Connector Type	TK10FW



Terminal No.	Color Of Wire	Signal Name [Specification]
1	BG	-
2	V	-
3	P	-
4	BR	-
5	GR	-
6	B	-
7	R	-
8	B	-

Connector No.	M205
Connector Name	CLIMATE CONTROLLED SEAT SWITCH (PASSENGER SIDE)
Connector Type	TK08FBR



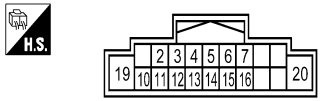
Terminal No.	Color Of Wire	Signal Name [Specification]
1	SB	-
2	G	-
3	L	-
4	BG	-
5	V	-
6	B	-
7	R	-
8	B	-

JRMWI6344GB

POWER SUPPLY ROUTING CIRCUIT

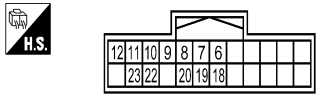
BATTERY POWER SUPPLY

Connector No.	M208
Connector Name	AV CONTROL UNIT
Connector Type	TH18FW-CS2



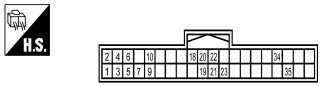
Terminal No.	Color Of Wire	Signal Name [Specification]
2	L	SOUND SIGNAL FRONT LH (+)
3	P	SOUND SIGNAL FRONT LH (-)
4	V	SOUND SIGNAL REAR LH (+)
5	LG	SOUND SIGNAL REAR LH (-)
6	P	STRG SW A
7	V	ACC POWER SUPPLY
10	B	SHIELD [Except for Mexico]
10	SHIELD	SHIELD [For Mexico]
11	G	SOUND SIGNAL FRONT RH (+)
12	R	SOUND SIGNAL FRONT RH (-)
13	BR	SOUND SIGNAL REAR RH (+)
14	GR	SOUND SIGNAL REAR RH (-)
15	B	STRG SW GND
16	L	STRG SW B
19	Y	BATTERY POWER SUPPLY
20	B	GROUND

Connector No.	M215
Connector Name	DISPLAY UNIT
Connector Type	TH24FW-NH



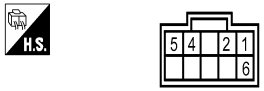
Terminal No.	Color Of Wire	Signal Name [Specification]
6	SHIELD	SHIELD
7	SHIELD	SHIELD
8	B	CAMERA IMAGE SIGNAL
9	Y	COMMUNICATION SIGNAL （DISP→CONT）
10	BR	COMMUNICATION SIGNAL (CONT->DISP)
11	Y	BATTERY POWER SUPPLY
12	B	GROUND
18	W	COMPOSITE IMAGE SIGNAL
19	R	COMPOSITE IMAGE GND
20	B	COMPOSITE IMAGE SYNC SIGNAL
22	SHIELD	SHIELD
23	SB	ACC POWER SUPPLY [Except for Mexico]
23	V	ACC POWER SUPPLY [For Mexico]

Connector No.	M216
Connector Name	TCU
Connector Type	TH40FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	BATTERY POWER SUPPLY
2	B	GROUND
3	SB	ACC POWER SUPPLY
4	W	IGNITION SIGNAL
5	V	ACC OUTPUT
6	P	-
7	B	GROUND
9	L	CAN-H
10	P	CAN-L
18	G	MICROPHONE VCC
19	R	MICROPHONE SIGNAL
20	SHIELD	MICROPHONE SHIELD
21	G	MICROPHONE VCC
22	R	MICROPHONE SIGNAL
23	SHIELD	MICROPHONE SHIELD
34	G	SOS CALL SWITCH SIGNAL
35	BR	SOS SWITCH LED SIGNAL

Connector No.	R3
Connector Name	AUTO ANTI-DAZZLING INSIDE MIRROR
Connector Type	SAC10FB

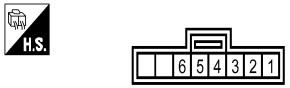


Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	IGN
2	B	GND
4	L	OEC+
5	B	OEC-
6	G	BAT

Connector No.	R9
Connector Name	RAIN SENSOR
Connector Type	AAB03FB

Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	+B
2	R	SIG
3	B	GND

Connector No.	R15
Connector Name	MAP LAMP
Connector Type	TK08FGY



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

Connector No.	T8
Connector Name	LICENSE PLATE LAMP RH
Connector Type	C02FW

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

JRMWI6345GB

BATTERY POWER SUPPLY

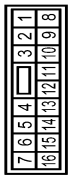
Connector No.	T9
Connector Name	LICENSE PLATE LAMP LH
Connector Type	C02FW

H.S.

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

Connector No.	T13
Connector Name	WIRE TO WIRE
Connector Type	NS16FW-CS

H.S.



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

Connector No.	T14
Connector Name	TRUNK CLOSURE ASSEMBLY
Connector Type	NS06FW-CS

H.S.

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

Connector No.	T15
Connector Name	REAR COMBINATION LAMP RH (TRUNK LID SIDE)
Connector Type	TH04FW-NH

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
2	O	-
3	V	-
4	L	-

Connector No.	T16
Connector Name	REAR COMBINATION LAMP LH (TRUNK LID SIDE)
Connector Type	TH04FW-NH

H.S.

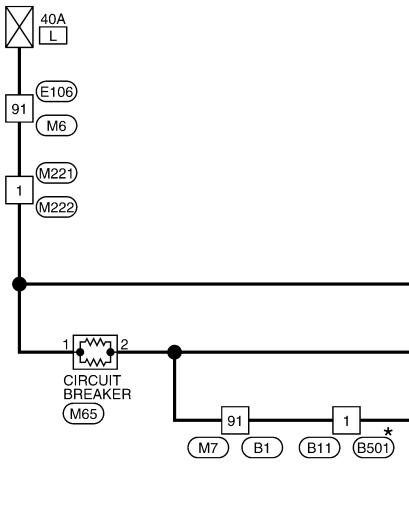
Terminal No.	Color Of Wire	Signal Name [Specification]
2	O	-
3	V	-
4	L	-

JRMWI6346GB

Wiring Diagram - BATTERY POWER SUPPLY FUSIBLE LINK No. L -

INFOID:0000000012349334

BATTERY POWER SUPPLY FUSIBLE LINK No. L



Connector No.	Terminal	Connect to
M122	70	BCM (BODY CONTROL MODULE)
M52	25	AUTOMATIC DRIVE POSITIONER CONTROL UNIT
B513*	1	DRIVER SEAT CONTROL UNIT
B516*	36	LUMBAR SUPPORT SWITCH

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

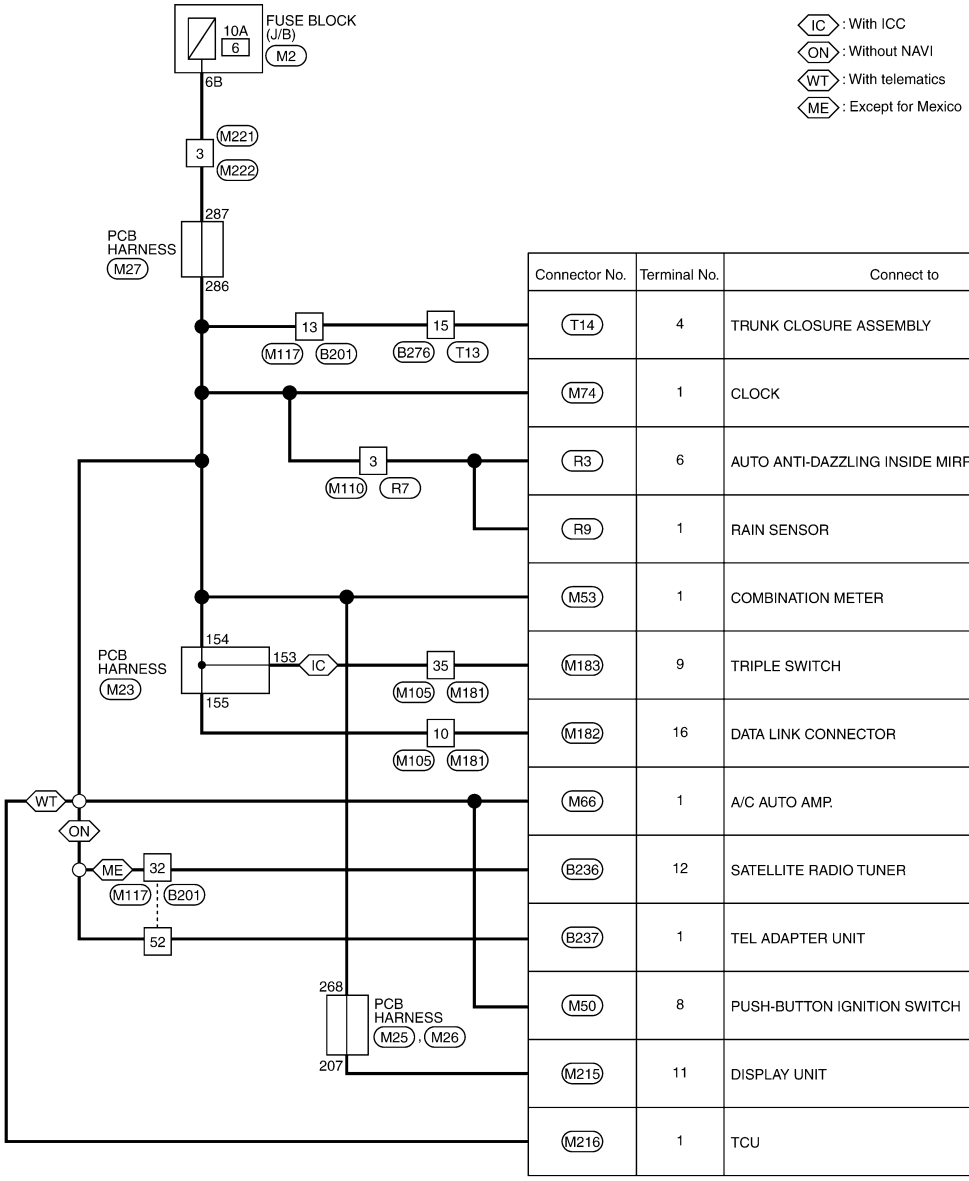
2014/07/11

JRMWG1251GB

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 6 -

INFOID:0000000012349335

BATTERY POWER SUPPLY FUSE No. 6



Connector No.	Terminal No.	Connect to
T14	4	TRUNK CLOSURE ASSEMBLY
M74	1	CLOCK
R3	6	AUTO ANTI-DAZZLING INSIDE MIRROR
R9	1	RAIN SENSOR
M53	1	COMBINATION METER
M183	9	TRIPLE SWITCH
M182	16	DATA LINK CONNECTOR
M66	1	A/C AUTO AMP.
B236	12	SATELLITE RADIO TUNER
B237	1	TEL ADAPTER UNIT
M50	8	PUSH-BUTTON IGNITION SWITCH
M215	11	DISPLAY UNIT
M216	1	TCU

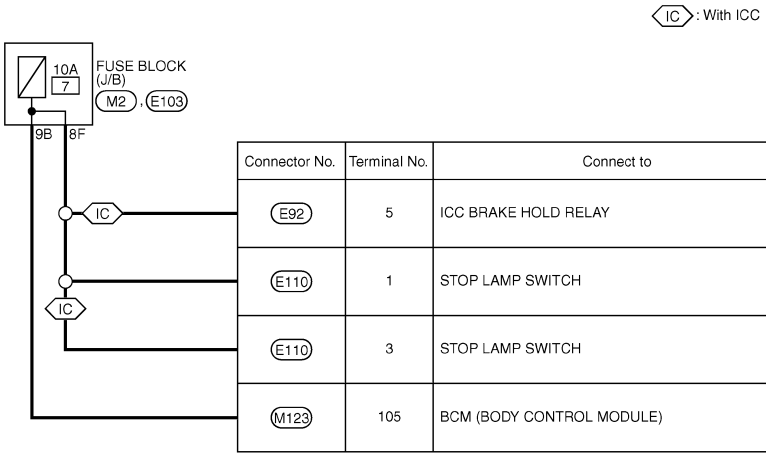
2015/02/17

JRMWH7556GB

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 7 -

INFOID:0000000012349336

BATTERY POWER SUPPLY FUSE No. 7



Connector No.	Terminal No.	Connect to
E92	5	ICC BRAKE HOLD RELAY
E110	1	STOP LAMP SWITCH
E110	3	STOP LAMP SWITCH
M123	105	BCM (BODY CONTROL MODULE)

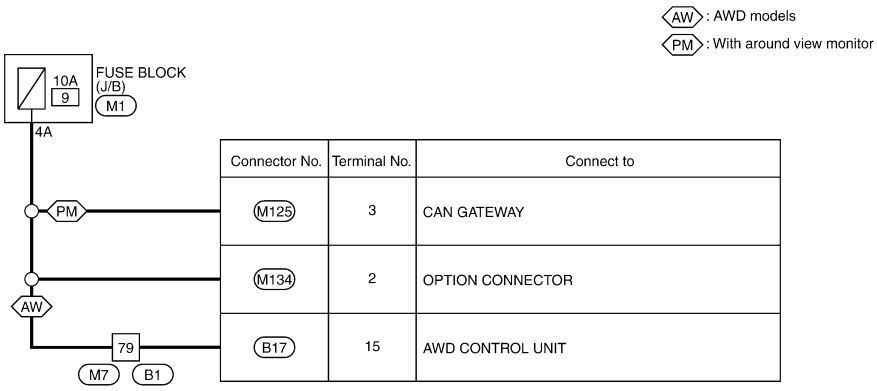
2010/02/03

JCMWA5615GB

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 9 -

INFOID:0000000012349337

BATTERY POWER SUPPLY FUSE No. 9



Connector No.	Terminal No.	Connect to
M125	3	CAN GATEWAY
M134	2	OPTION CONNECTOR
B17	15	AWD CONTROL UNIT

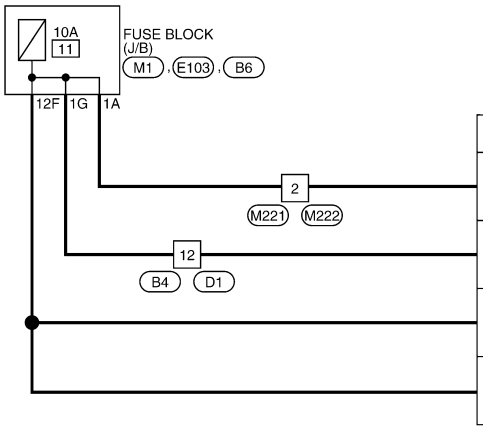
2015/02/17

JRMWH7557GB

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 11 -

INFOID:0000000012349338

BATTERY POWER SUPPLY FUSE No. 11



Connector No.	Terminal No.	Connect to
M122	57	BCM (BODY CONTROL MODULE)
D5	5	SEAT MEMORY SWITCH
E57	1	INTELLIGENT KEY WARNING BUZZER (ENGINE ROOM)
E50	2	DAYTIME RUNNING LIGHT RELAY

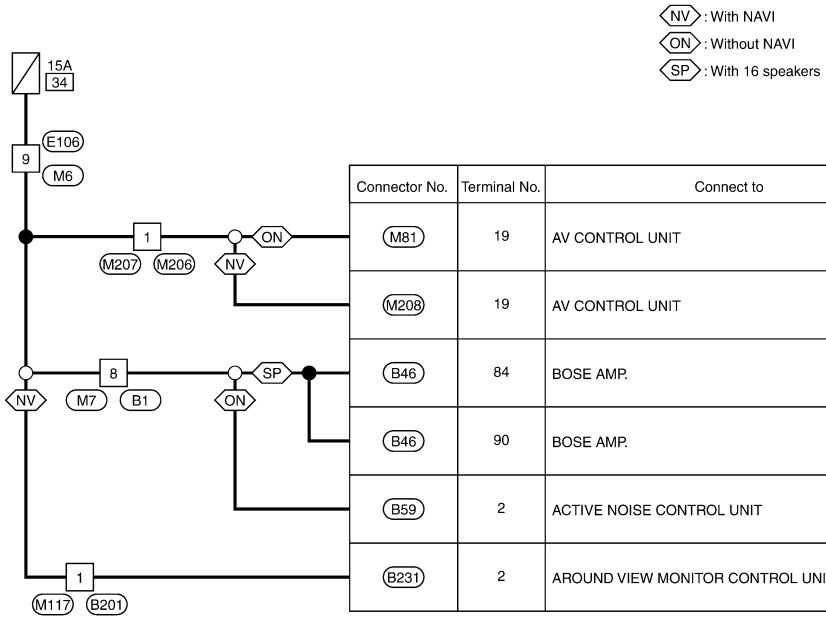
2014/07/11

JRMWG1253GB

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 34 -

INFOID:0000000012349339

BATTERY POWER SUPPLY FUSE No. 34



Connector No.	Terminal No.	Connect to
M81	19	AV CONTROL UNIT
M208	19	AV CONTROL UNIT
B46	84	BOSE AMP.
B46	90	BOSE AMP.
B59	2	ACTIVE NOISE CONTROL UNIT
B231	2	AROUND VIEW MONITOR CONTROL UNIT

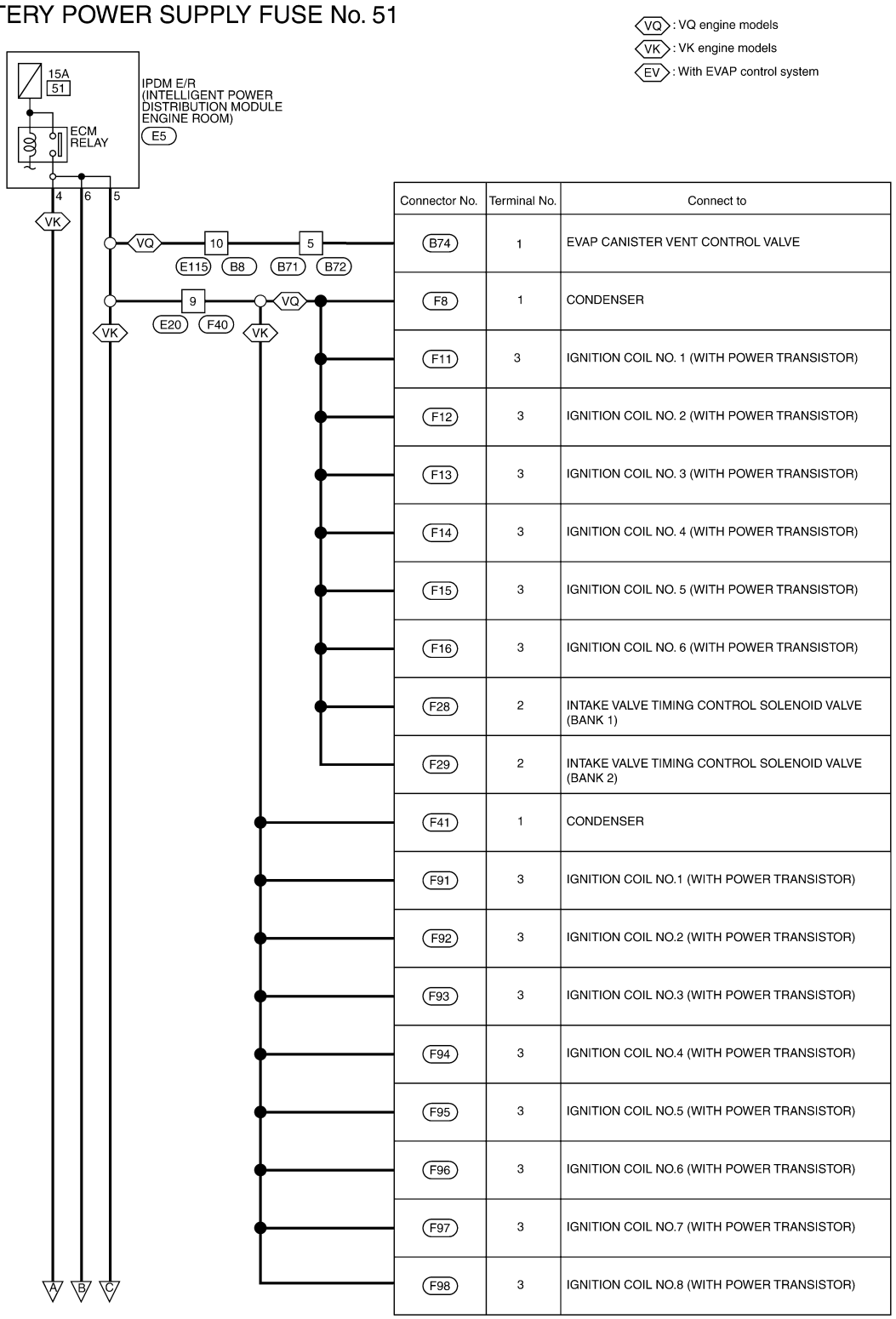
2015/09/02

JRMWI6347GB

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 51 -

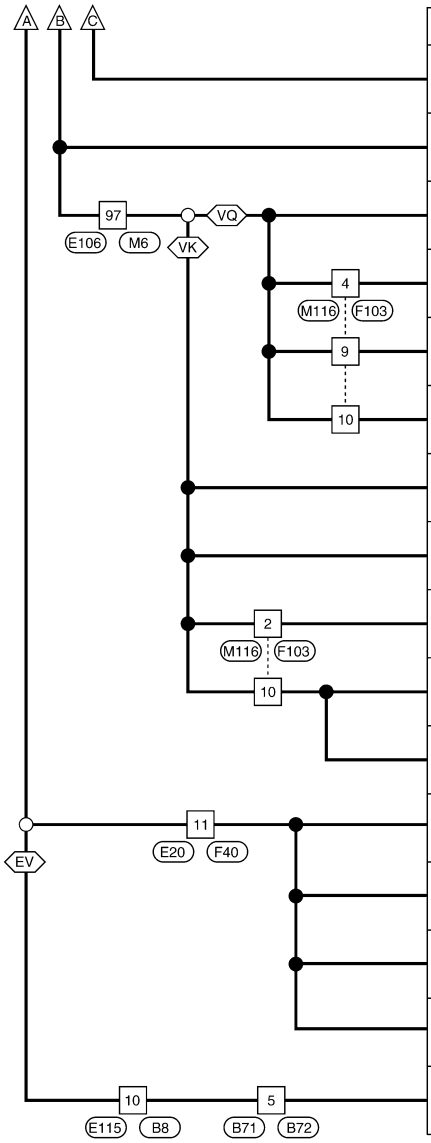
INFOID:0000000012349340

BATTERY POWER SUPPLY FUSE No. 51



Connector No.	Terminal No.	Connect to
B74	1	EVAP CANISTER VENT CONTROL VALVE
F8	1	CONDENSER
F11	3	IGNITION COIL NO. 1 (WITH POWER TRANSISTOR)
F12	3	IGNITION COIL NO. 2 (WITH POWER TRANSISTOR)
F13	3	IGNITION COIL NO. 3 (WITH POWER TRANSISTOR)
F14	3	IGNITION COIL NO. 4 (WITH POWER TRANSISTOR)
F15	3	IGNITION COIL NO. 5 (WITH POWER TRANSISTOR)
F16	3	IGNITION COIL NO. 6 (WITH POWER TRANSISTOR)
F28	2	INTAKE VALVE TIMING CONTROL SOLENOID VALVE (BANK 1)
F29	2	INTAKE VALVE TIMING CONTROL SOLENOID VALVE (BANK 2)
F41	1	CONDENSER
F91	3	IGNITION COIL NO.1 (WITH POWER TRANSISTOR)
F92	3	IGNITION COIL NO.2 (WITH POWER TRANSISTOR)
F93	3	IGNITION COIL NO.3 (WITH POWER TRANSISTOR)
F94	3	IGNITION COIL NO.4 (WITH POWER TRANSISTOR)
F95	3	IGNITION COIL NO.5 (WITH POWER TRANSISTOR)
F96	3	IGNITION COIL NO.6 (WITH POWER TRANSISTOR)
F97	3	IGNITION COIL NO.7 (WITH POWER TRANSISTOR)
F98	3	IGNITION COIL NO.8 (WITH POWER TRANSISTOR)

JRMWI6348GB



Connector No.	Terminal No.	Connect to
E36	2	INJECTOR RELAY 2
E15	8	VVEL CONTROL MODULE
M107	125	ECM
F7	1	EVAP CANISTER PURGE VOLUME CONTROL SOLENOID VALVE
F31	5	MASS AIR FLOW SENSOR (BANK 1)
F42	5	MASS AIR FLOW SENSOR (BANK 2)
M160	171	ECM
M160	172	ECM
F10	1	EVAP CANISTER PURGE VOLUME CONTROL SOLENOID VALVE
F85	5	MASS AIR FLOW SENSOR (BANK 2)
F86	5	MASS AIR FLOW SENSOR (BANK 1)
F21	2	INTAKE VALVE TIMING CONTROL SOLENOID VALVE (BANK 2)
F22	2	INTAKE VALVE TIMING CONTROL SOLENOID VALVE (BANK 1)
F25	2	EXHAUST VALVE TIMING CONTROL SOLENOID VALVE (BANK 2)
F26	2	EXHAUST VALVE TIMING CONTROL SOLENOID VALVE (BANK 1)
B74	1	EVAP CANISTER VENT CONTROL VALVE

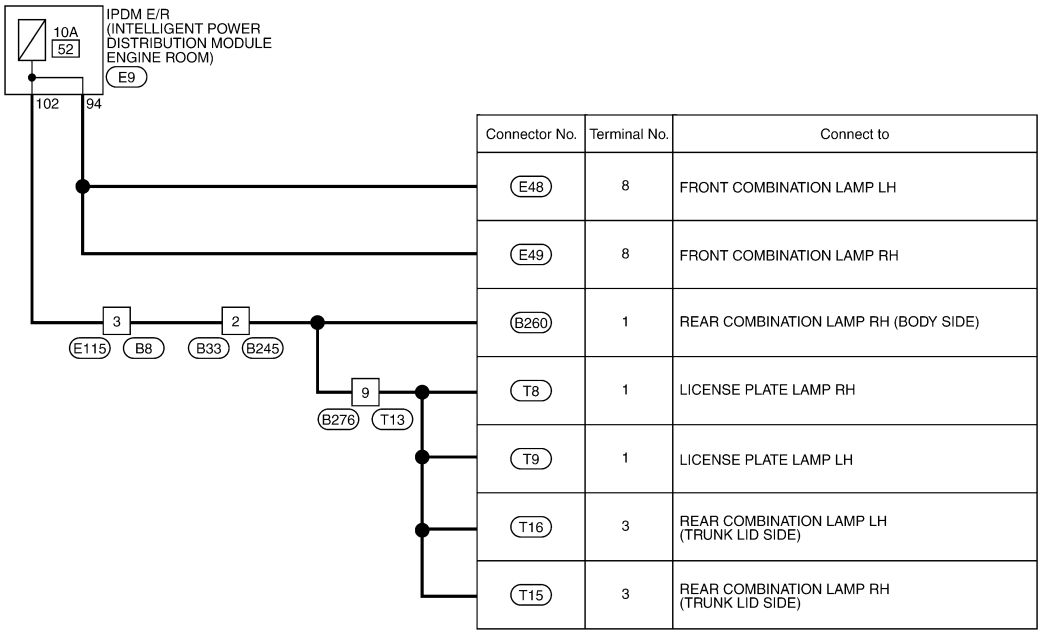
2015/09/02

JRMWI6349GB

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 52 -

INFOID:0000000012349341

BATTERY POWER SUPPLY FUSE No. 52



Connector No.	Terminal No.	Connect to
E48	8	FRONT COMBINATION LAMP LH
E49	8	FRONT COMBINATION LAMP RH
B260	1	REAR COMBINATION LAMP RH (BODY SIDE)
T8	1	LICENSE PLATE LAMP RH
T9	1	LICENSE PLATE LAMP LH
T16	3	REAR COMBINATION LAMP LH (TRUNK LID SIDE)
T15	3	REAR COMBINATION LAMP RH (TRUNK LID SIDE)

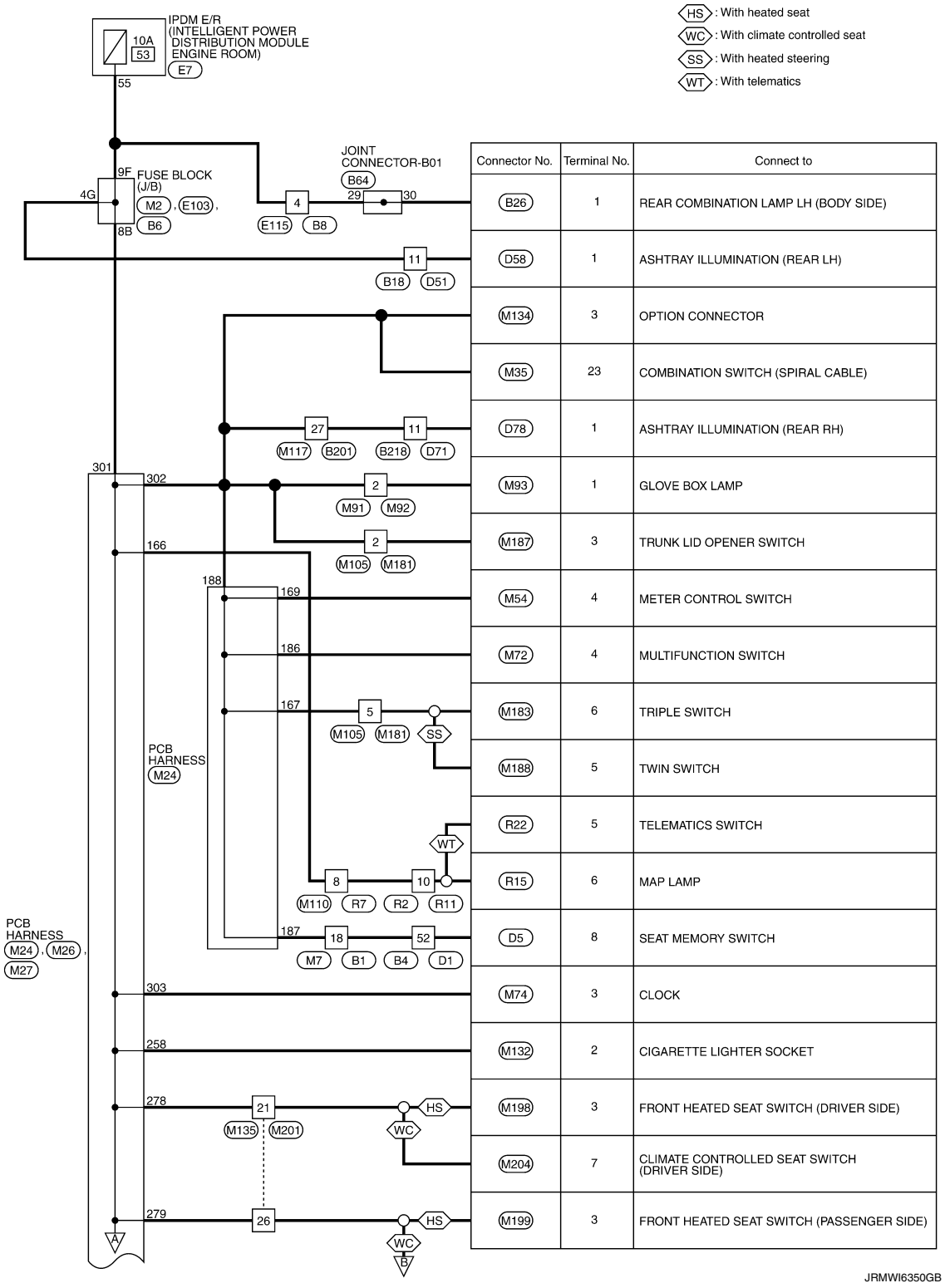
2015/02/17

JRMWH7558GB

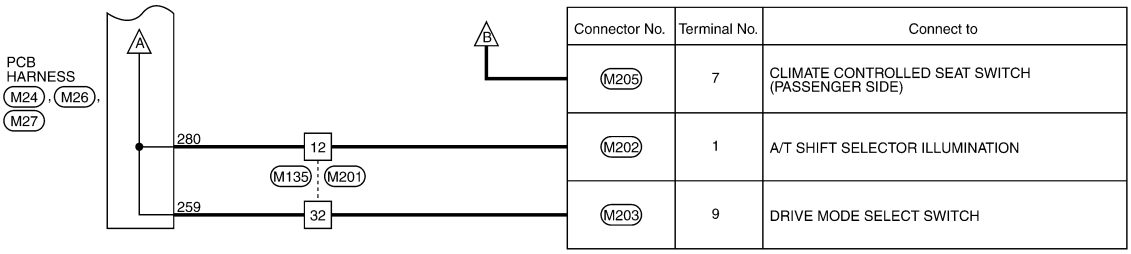
Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 53 -

INFOID:0000000012349342

BATTERY POWER SUPPLY FUSE No. 53



Connector No.	Terminal No.	Connect to
B26	1	REAR COMBINATION LAMP LH (BODY SIDE)
D58	1	ASHTRAY ILLUMINATION (REAR LH)
M134	3	OPTION CONNECTOR
M35	23	COMBINATION SWITCH (SPIRAL CABLE)
D78	1	ASHTRAY ILLUMINATION (REAR RH)
M93	1	GLOVE BOX LAMP
M187	3	TRUNK LID OPENER SWITCH
M54	4	METER CONTROL SWITCH
M72	4	MULTIFUNCTION SWITCH
M183	6	TRIPLE SWITCH
M188	5	TWIN SWITCH
R22	5	TELEMATICS SWITCH
R15	6	MAP LAMP
D5	8	SEAT MEMORY SWITCH
M74	3	CLOCK
M132	2	CIGARETTE LIGHTER SOCKET
M198	3	FRONT HEATED SEAT SWITCH (DRIVER SIDE)
M204	7	CLIMATE CONTROLLED SEAT SWITCH (DRIVER SIDE)
M199	3	FRONT HEATED SEAT SWITCH (PASSENGER SIDE)



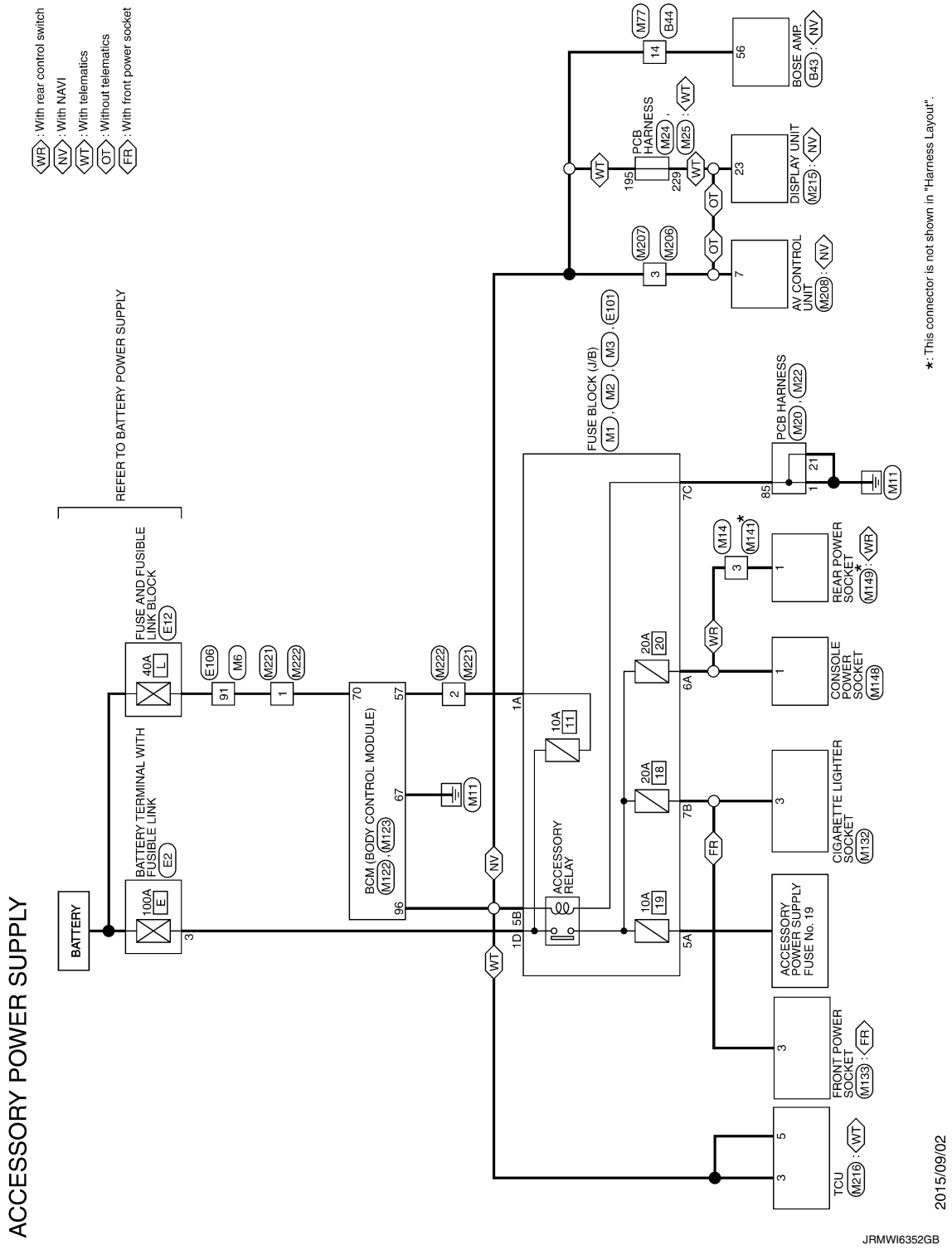
Connector No.	Terminal No.	Connect to
M205	7	CLIMATE CONTROLLED SEAT SWITCH (PASSENGER SIDE)
M202	1	A/T SHIFT SELECTOR ILLUMINATION
M203	9	DRIVE MODE SELECT SWITCH

2015/09/02

JRMWI6351GB

Wiring Diagram - ACCESSORY POWER SUPPLY -

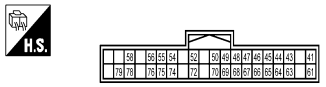
INFOID:0000000012349343



POWER SUPPLY ROUTING CIRCUIT

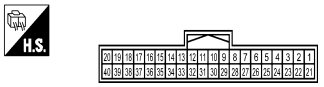
ACCESSORY POWER SUPPLY

Connector No.	B43
Connector Name	BOSE AMP.
Connector Type	TH40FW-NH



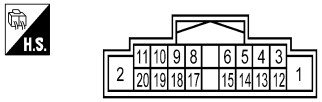
Terminal No.	Color Of Wire	Signal Name [Specification]
41	B/R	SOUND SIGNAL SATELLITE SPEAKER RH (-)
43	LG	REAR MICROPHONE SIGNAL (-)
44	B/Y	VOICE GUIDANCE SIGNAL (-) [VQ37 engine models with 10-speakers or VK56 engine models with 10-speakers]
44	R	VOICE GUIDANCE SIGNAL (-) [VK56 engine models with 10-speakers or VQ37 engine models with 16-speakers]
45	B	SOUND SIGNAL FRONT LH (-)
46	L	SOUND SIGNAL FRONT RH (-)
47	Y	SOUND SIGNAL REAR LH (-)
48	P	SOUND SIGNAL REAR RH (-)
49	W/R	SOUND SIGNAL CENTER (-)
50	V	SOUND SIGNAL REAR WOOFER (-)
52	BR	FRONT MICROPHONE SIGNAL (-)
54	LG	AV COMM (L) [VK56 engine models with 10-speakers]
54	R	AV COMM (L) [Except for VK56 engine models with 10-speakers]
55	R	AV COMM (L)
56	V	ACC POWER SUPPLY
58	O	ENGINE TYPE
61	BR	SOUND SIGNAL SATELLITE SPEAKER RH (+)
63	L	REAR MICROPHONE SIGNAL (+)
64	G	VOICE GUIDANCE SIGNAL (+) [VK56 engine models with 10-speakers or VQ37 engine models with 16-speakers]
64	LG	VOICE GUIDANCE SIGNAL (+) [VQ37 engine models with 10-speakers or VK56 engine models with 16-speakers]
65	W	SOUND SIGNAL FRONT LH (+)
66	R	SOUND SIGNAL FRONT RH (+)
67	BR	SOUND SIGNAL REAR LH (+)
68	L	SOUND SIGNAL REAR RH (+)
69	W/L	SOUND SIGNAL CENTER (+)
70	LG	SOUND SIGNAL REAR WOOFER (+)
72	Y	FRONT MICROPHONE SIGNAL (+)
74	G	AV COMM (H) [Except for VK56 engine models with 10-speakers]
74	SB	AV COMM (H) [VK56 engine models with 10-speakers]
75	G	AV COMM (H)
76	P	STEP LAMP SIGNAL
78	SB	ENGINE SPEED SIGNAL
79	SHIELD	SHIELD

Connector No.	B44
Connector Name	WIRE TO WIRE
Connector Type	TH40FW-NH



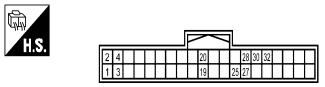
Terminal No.	Color Of Wire	Signal Name [Specification]
3	SHIELD	-
4	Y	-
5	G	-
6	R	-
7	W	-
8	B	-
9	LG	- [Without BOSE system]
9	R	- [With BOSE system]
10	G	- [With BOSE system]
10	SB	- [Without BOSE system]
13	O	-
14	V	-
15	LG	-
16	L	-
17	BR	-
18	Y	-
19	SB	-
20	P	-
21	B	-
23	B	-
24	W	-
25	G	-
26	R	-
27	SHIELD	-
28	B	-
29	SHIELD	-
30	P	- [With BOSE system]
30	SB	- [Without BOSE system]
31	L	- [With BOSE system]
31	O	- [Without BOSE system]
32	SHIELD	-
33	W	- [Without BOSE system]
33	Y	- [With BOSE system]
34	BR	- [With BOSE system]
34	LG	- [Without BOSE system]
35	SHIELD	-
36	GR	- [Without BOSE system]
36	L	- [With BOSE system]
37	R	- [With BOSE system]
37	V	- [Without BOSE system]
38	SHIELD	-
39	B	- [With BOSE system]
39	L	- [Without BOSE system]
40	W	- [With BOSE system]
40	Y	- [Without BOSE system]

Connector No.	B59
Connector Name	ACTIVE NOISE CONTROL UNIT
Connector Type	NH18FW-CS2



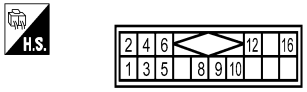
Terminal No.	Color Of Wire	Signal Name [Specification]
1	B/R	GND
2	Y	BATTERY
3	Y	SOUND SIGNAL FRONT LH (+)
4	V	SOUND SIGNAL FRONT RH (+)
5	LG	SOUND SIGNAL REAR (+)
6	O	SOUND SIGNAL REAR RH (+)
8	W	SOUND SIGNAL FRONT DOOR SPEAKER LH (+)
9	B	SOUND SIGNAL FRONT DOOR SPEAKER RH (+)
10	G	SOUND SIGNAL REAR DOOR SPEAKER LH (+)
11	R	SOUND SIGNAL REAR DOOR SPEAKER RH (+)
12	L	SOUND SIGNAL FRONT LH (-)
13	GR	SOUND SIGNAL FRONT RH (-)
14	W	SOUND SIGNAL REAR LH (-)
15	SB	SOUND SIGNAL REAR RH (-)
17	B	SOUND SIGNAL FRONT DOOR SPEAKER LH (-)
18	W	SOUND SIGNAL FRONT DOOR SPEAKER RH (-)
19	R	SOUND SIGNAL REAR DOOR SPEAKER LH (-)
20	G	SOUND SIGNAL REAR DOOR SPEAKER RH (-)

Connector No.	B231
Connector Name	AROUND VIEW MONITOR CONTROL UNIT
Connector Type	TH40FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	B/R	GROUND
2	Y	BATTERY POWER SUPPLY
3	W	IGNITION SIGNAL
4	V	ACC POWER SUPPLY
19	SB	AV COMMUNICATION SIGNAL （H）
20	LG	AV COMMUNICATION SIGNAL （L）
25	B	REVERSE SIGNAL
27	L	CAN-H
28	R	CAN-L [Without ADAS]
28	Y	CAN-L [With ADAS]
30	SB	RETRACT MOTOR OPERATION SIGNAL （OPEN）
32	P	RETRACT MOTOR OPERATION SIGNAL （CLOSE）

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



Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	SATELLITE RADIO SOUND SIGNAL LH (-)
2	R	SATELLITE RADIO SOUND SIGNAL LH (+)
3	W	SATELLITE RADIO SOUND SIGNAL RH (-)
4	B	SATELLITE RADIO SOUND SIGNAL RH (+)
5	SHIELD	SHIELD
6	SHIELD	SHIELD
8	R	REQUEST (SAT->CONT)

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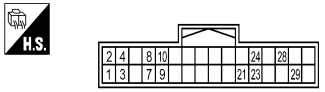
POWER SUPPLY ROUTING CIRCUIT

ACCESSORY POWER SUPPLY

9	B	COMM (SAT->CONT)
10	W	COMM (CONT->SAT)
12	Y	BATTERY
16	V	ACC

Connector No.	B237
Connector Name	TEL ADAPTER UNIT
Connector Type	TH32FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	LG	BATTERY
2	L	ACC
3	P	IGNITION
4	B/R	GND
7	W/R	MICROPHONE SIGNAL
8	SHIELD	MICROPHONE GND
9	W/L	TEL VOICE SIGNAL (+)
10	GR/V	TEL VOICE SIGNAL (-)
21	B/R	CONTROL SIGNAL
23	B/R	CONTROL SIGNAL
24	B/R	CONTROL SIGNAL
28	W	VEHICLE SPEED SIGNAL (8-PULSE)
29	B/R	MICROPHONE VCC

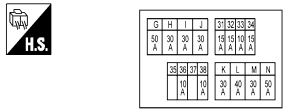
Connector No.	D23
Connector Name	POWER WINDOW MAIN SWITCH
Connector Type	TH12FW-CS

Terminal No.	Color Of Wire	Signal Name [Specification]
17	SB	L OPEN
18	LG	R OPEN
20	R	L CLOSE
21	SB	R CLOSE
22	V	ACC
23	O	+SELECT L
24	V/W	+MIRROR SW L
25	V/W	+MIRROR SW DOWN
26	Y/B	+MIRROR SW UP
27	V	+MIRROR SW R
28	V/W	+SELECT R

Connector No.	E2
Connector Name	BATTERY TERMINAL WITH FUSIBLE LINK
Connector Type	L02FGY-MC

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

Connector No.	E12
Connector Name	FUSE AND FUSIBLE LINK BLOCK
Connector Type	24381_7990A

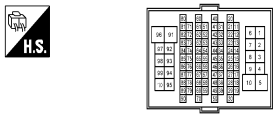


Terminal No.	Color Of Wire	Signal Name [Specification]
31	W	-
32	W/R	-
33	O	-
34	Y	-
36	SB	-
38	W	-
G	B	-
H	GR	-
I	W	-
J	BR	-
K	D	- [With VQ37 engine]
K	O	- [With VK56 engine]
L	W	-
M	R	-
N	G	-

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

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

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



Terminal No.	Color Of Wire	Signal Name [Specification]
1	P	-
2	W	-
3	SB	-
4	LG	-
5	O	-
6	W	-
7	GR	-
8	G	-
9	Y	-
10	BR	-
11	SB	-
12	L	-
13	GR	-
14	GR	-
15	V	-
16	Y	-
17	GR	-
18	V	-
20	BR	-
21	P	-
22	L	-
23	P	-
27	SHIELD	-
28	L/O	-
29	W/L	-
31	BR	-
32	G	-
33	O	-
34	Y	-
36	G	-
37	V	-
41	BR	-
44	W	-
45	L	-
46	GR	-
47	V	-
48	G	-
49	O	-
50	LG	-
54	R	-
55	B	-
60	W	-
61	G	-
62	Y	-
63	BR	-
64	B	-
65	Y	-
66	R	-
67	SB	-
68	G	-
69	SHIELD	-
70	W	-
71	W	-
72	R	-
73	G	-

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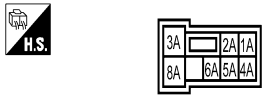
POWER SUPPLY ROUTING CIRCUIT

ACCESSORY POWER SUPPLY

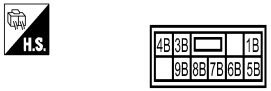
74	Y	-
75	B	-
76	SHIELD	-
77	O	-
78	SB	-
80	V	-
82	SB	-
83	GR	-
84	Y	-
85	Y	-
86	L	-
87	V	-
88	BR	-
89	LG	-
90	W	-
91	W	-
92	P	-
93	LG	-
94	BR	-
95	W	-
97	R	-
98	Y	-
99	V	-
100	V	-

Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS06FW-M2



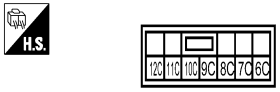
Terminal No.	Color Of Wire	Signal Name [Specification]
1A	R	-
2A	W	-
3A	Y	-
4A	W	-
5A	V	-
6A	Y	-
8A	Y	-

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



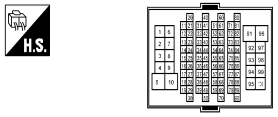
Terminal No.	Color Of Wire	Signal Name [Specification]
1B	R	-
3B	P	-
4B	G	-
5B	SB	-
6B	W	- [With VQ37 engine]
6B	Y	- [With VK56 engine]
7B	Y	-
8B	R	-
9B	R	-

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



Terminal No.	Color Of Wire	Signal Name [Specification]
10C	LG	-
11C	LG	-
12C	O	-
6C	R	-
7C	B	-
8C	B	-
9C	L	-

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



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	W	-
3	SB	-
4	LG	-
5	W	-
6	W	-
7	BG	-
8	G	-
9	Y	-
10	W	-
11	R	-
12	V	-
13	LG	-
14	L	-
15	V	-
16	B	-
17	GR	-
18	V	-
20	SB	-
21	BR	-
22	L	-
23	P	-
27	SHIELD	-
28	V	-
29	SB	-
31	BG	-
32	P	-
33	R	-
34	BG	-
36	V	-
37	G	-
41	BR	-
44	BR	-
45	Y	-
46	BG	-
47	V	-
48	G	-
49	BG	-
50	W	-
54	W	-
55	G	-
60	GR	-
61	B	-
62	LG	-
63	BR	-
64	L	- [With ICC]
64	SB	- [Without ICC]
65	R	- [With ICC]
65	Y	- [Without ICC]
66	P	-
67	L	-
68	R	-
69	SHIELD	-
70	B	-
71	W	-
72	R	-
73	G	-
74	Y	-
75	B	-
76	SHIELD	-
77	B	-
78	V	-
80	G	-
82	B	-
83	BG	-
84	SB	-
85	Y	-
86	L	-
87	V	-
88	V	-
89	LG	-
90	BG	-
91	W	-
92	BG	-
93	G	-
94	Y	-
95	W	-
97	SB	-
98	R	-
99	W	-
100	L	-

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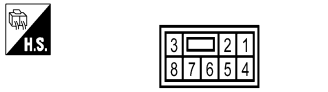
POWER SUPPLY ROUTING CIRCUIT

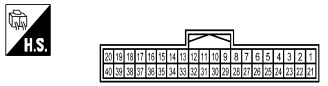
ACCESSORY POWER SUPPLY

Connector No.	M14
Connector Name	WIRE TO WIRE
Connector Type	NS08FW-CS



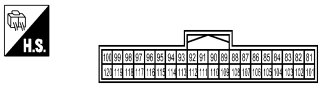
Terminal No.	Color Of Wire	Signal Name [Specification]
3	Y	-
8	B	-

Connector No.	M20
Connector Name	PCB HARNESS
Connector Type	TH40FB-NH



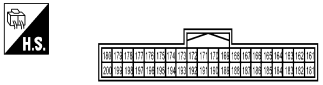
Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
2	B	-
3	Y	-
4	G	-
5	R	-
6	W	-
11	BR	-
12	R	-
15	B	-
16	SHIELD	-
17	R	-
18	P	-
19	W	-
21	B	-
22	R	- [With ICC]
22	Y	- [Without ICC]
23	L	- [With ICC]
23	SB	- [Without ICC]
24	L	-
27	P	-
31	V	-
33	V	-
35	L	-
36	P	-
38	L	-
40	Y	-

Connector No.	M22
Connector Name	PCB HARNESS
Connector Type	TH40FB-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
81	L	-
82	P	-
83	B	-
84	B	-
85	B	-
86	B	-
87	B	-
88	B	-
89	Y	-
91	V	-
92	V	-
93	B	-
94	B	-
95	LG	-
96	BR	-
97	G	-
98	G	-
99	G	-
100	G	-
101	L	-
102	P	-
103	B	-
104	BR	-
105	R	-
107	Y	-
108	Y	-
109	BR	-
110	Y	-
112	B	-
113	P	-
114	L	-
116	B	-
117	B	- [With VK56 engine]
117	BG	- [With VQ37 engine]
118	B	-
119	LG	-
120	V	-

Connector No.	M24
Connector Name	PCB HARNESS
Connector Type	TH40FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
161	BG	-
162	BG	-
164	V	-
165	V	-
166	R	-
167	LG	-
169	R	-
171	BG	-
172	B	-
174	W	-
176	L	-
177	P	-
178	Y	-
179	L	-
180	LG	-
182	BR	- [With VQ37 engine or with VK56 engine without ICC]
182	R	- [With VK56 engine with ICC]
183	G	-
184	V	-
185	P	-
186	R	-
187	L	- [Without CAN gateway]
187	Y	- [With CAN gateway]
188	L	-
189	B	-
190	V	-
191	LG	-
192	B	-
193	SB	-
194	BR	-
195	SB	-
198	R	-
199	B	-
200	SB	-

Connector No.	M25
Connector Name	PCB HARNESS
Connector Type	TH40FB-NH

Terminal No.	Color Of Wire	Signal Name [Specification]
201	L	-
206	P	-
207	Y	-
208	G	-
209	G	- [Without BOSE system]
209	L	- [With BOSE system]
210	L	- [Without BOSE system]
210	P	- [With BOSE system]
211	SHIELD	-
212	BR	- [Without BOSE system]
212	G	- [With BOSE system]
213	R	-
214	SHIELD	-
215	GR	- [Without BOSE system]
215	V	- [With BOSE system]
216	G	- [Without BOSE system]
216	LG	- [With BOSE system]
217	SHIELD	-
218	BR	- [With BOSE system]
218	P	- [Without BOSE system]
219	GR	- [With BOSE system]
219	V	- [Without BOSE system]
220	SHIELD	-

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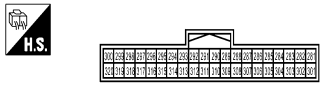
POWER SUPPLY ROUTING CIRCUIT

ACCESSORY POWER SUPPLY

221	P	-
222	LG	-
223	SB	-
224	SB	-
225	LG	-
226	R	-
229	SB	-
230	BR	-
231	SB	-
232	V	-
233	L	-
234	P	-
235	B	-
239	V	-
240	W	-

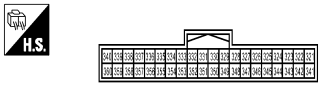
Connector No.	M27
Connector Name	PCB HARNESS
Connector Type	TH40FB-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
281	O	-
282	BG	-
283	BG	-
284	BG	-
286	W	-
287	Y	-
288	W	-
289	SHIELD	-
290	B	-
291	SHIELD	-
292	B	-
293	B	-
294	B	-
295	B	-
296	GR	-
297	B	-
298	B	-
299	L	-
300	W	-

301	R	-
302	R	-
303	R	-
304	SHIELD	-
305	P	-
306	V	-
309	G	-
310	R	-
311	W	-
312	B	-
313	B	-
314	Y	-
315	G	-
316	R	-
317	W	-
318	SHIELD	-
319	V	-
320	W	-

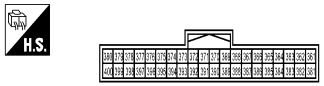
Connector No.	M28
Connector Name	PCB HARNESS
Connector Type	TH40FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
321	V	-
322	V	-
324	B	-
325	L	-
326	L	-
327	P	-
328	P	-
330	B	-
331	V	-
332	V	-
335	B	-
337	W	-
338	W	-
343	L	-
344	B	-
345	Y	-

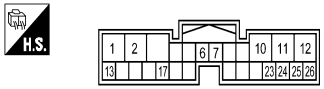
346	L	-
347	P	-
348	GR	-
349	V	-
350	LG	-
351	P	-
352	R	-
353	P	-
358	W	-
359	W	-
360	G	-

Connector No.	M29
Connector Name	PCB HARNESS
Connector Type	TH40FB-NH



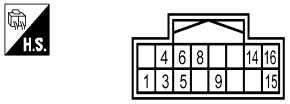
Terminal No.	Color Of Wire	Signal Name [Specification]
361	W	-
362	W	-
363	Y	-
366	B	-
367	B	-
368	G	-
374	BG	-
375	BG	-
376	V	-
377	V	-
378	B	-
380	R	-
381	G	-
382	V	-
384	GR	-
395	P	-
396	L	-
400	V	-

Connector No.	M66
Connector Name	A/C AUTO AMP.
Connector Type	TH20FW-TB6



Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	BATTERY POWER SUPPLY
2	W	IGNITION POWER SUPPLY
6	R	BLOWER MOTOR F/B SIGNAL
7	L	POWER TRANSISTOR CONTROL SIGNAL
10	B	GROUND
11	P	CAN-L
12	L	CAN-H
13	V	ACC POWER SUPPLY
17	BG	ECV CONTROL SIGNAL
23	W	DRIVE MODE SELECT SW (SNOW)
24	L	DRIVE MODE SELECT SW (ECO)
25	G	DRIVE MODE SELECT SW (STANDARD)
26	Y	DRIVE MODE SELECT SW (SPORT)

Connector No.	M72
Connector Name	MULTIFUNCTION SWITCH
Connector Type	TH16FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	GND
3	V	ACC
4	R	ILL
5	B	ILL CONT
6	SB	AV COMM (H)
8	LG	AV COMM (L)
9	BR	SW GND

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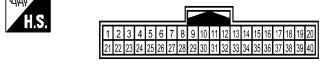
POWER SUPPLY ROUTING CIRCUIT

ACCESSORY POWER SUPPLY

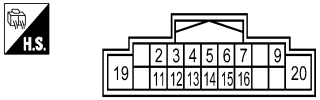
14	SB	DISK EJECT SIGNAL
15	R	AIR BAG CUT OFF
16	G	HAZARD ON

Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	TH40MW-NH



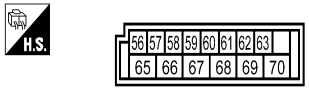
Terminal No.	Color Of Wire	Signal Name [Specification]
3	SHIELD	-
4	Y	-
5	G	-
6	R	-
7	W	-
8	B	-
9	LG	-
10	SB	-
13	B	-
14	P	-
15	LG	-
16	L	-
17	G	-
18	R	-
19	V	-
20	V	-
21	B	-
23	B	-
24	W	-
25	G	-
26	R	-
27	SHIELD	-
28	B	-
29	SHIELD	-
30	V	- [Without BOSE system]
30	Y	- [With BOSE system]
31	BR	- [With BOSE system]
31	P	- [Without BOSE system]
32	SHIELD	-
33	G	- [Without BOSE system]
33	SB	- [With BOSE system]
34	GR	- [Without BOSE system]
34	V	- [With BOSE system]
35	SHIELD	-
36	R	-
37	BR	- [Without BOSE system]
37	G	- [With BOSE system]
38	SHIELD	-
39	L	- [Without BOSE system]
39	P	- [With BOSE system]
40	G	- [Without BOSE system]
40	L	- [With BOSE system]

Connector No.	M81
Connector Name	AV CONTROL UNIT
Connector Type	TH18FW-CS2



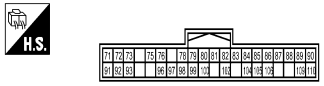
Terminal No.	Color Of Wire	Signal Name [Specification]
2	G	SOUND SIGNAL FRONT LH (+)
3	L	SOUND SIGNAL FRONT LH (-)
4	GR	SOUND SIGNAL REAR LH (+)
5	G	SOUND SIGNAL REAR LH (-)
6	P	STRG SW A
7	V	ACC POWER SUPPLY
9	SB	ILLUMINATION
11	BR	SOUND SIGNAL FRONT RH (+)
12	R	SOUND SIGNAL FRONT RH (-)
13	P	SOUND SIGNAL REAR RH (+)
14	V	SOUND SIGNAL REAR RH (-)
15	B	STRG SW GND
16	L	STRG SW B
19	Y	BATTERY POWER SUPPLY
20	B	GROUND

Connector No.	M122
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	FEA09FW-FHA6-SA



Terminal No.	Color Of Wire	Signal Name [Specification]
56	R	INT ROOM LAMP PWR SPLY
57	R	BAT (FUSE)
58	L	AIR BAG SIGNAL
59	G	PASS DOOR UNLK OUTPUT
60	G	TURN SIG LH OUTPUT (SIDE, REAR)
61	V	TURN SIG RH OUTPUT (SIDE, REAR)
62	V	STEP LAMP CONT
63	L	ROOM LAMP TIMER CONT
65	V	ALL DOOR, FL LID LOCK OUTPUT
66	LG	DR DOOR, FL LID UNLK OUTPUT
67	B	GND
68	O	PW PWR SPLY (IGN)
69	Y	PW PWR SPLY (BAT)
70	W	BAT (F/L)

Connector No.	M123
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
71	BR	KYLS ENT RECEIVER COMM
72	B	OUTS HD LAMP OUTPUT
73	V	ON IND
75	G	DR DOOR REQ SW
76	BR	PUSH SW
78	BR	DRIVER DOOR ANT+
79	SB	DRIVER DOOR ANT-
80	LG	PASSENGER DOOR ANT+
81	V	PASSENGER DOOR ANT-
82	V	REAR BMPR ANT+
83	SB	REAR BMPR ANT-
84	BR	ROOM ANT1+
85	Y	ROOM ANT1-
86	R	ROOM ANT2+
87	G	ROOM ANT2-
88	V	TRUNK ROOM ANT+
89	SB	TRUNK ROOM ANT-
90	R	PUSH-BTN IGN SW ILL PWR
91	GR	LOCK IND
92	B	PUSH-BTN IGN SW ILL GND
93	V	I-KEY WARN BUZZER
96	SB	ACC RELAY CONT
97	SB	STARTER RELAY CONT
98	B	IGN RELAY (IPDM E/R) CONT
99	R	IGN RELAY (F/B) CONT
100	SB	PASS DOOR REQ SW
102	BR	P/N POSITION
104	GR	A/T SHIFT SELECT PWR SPLY
105	R	STOP LAMP SW 2
106	B	BLWR RELAY CONT
109	Y	ACC IND
110	R	RECEIVER PWR SPLY

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

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

ACCESSORY POWER SUPPLY

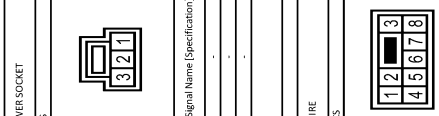
Connector No.	M133
Connector Name	FRONT POWER SOCKET
Connector Type	NS03FW-CS

H.S.

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

Connector No.	M141
Connector Name	WIRE TO WIRE
Connector Type	NS08MW-CS

H.S.



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

Connector No.	M148
Connector Name	CONSOLE POWER SOCKET
Connector Type	P02FB-Z

H.S.

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

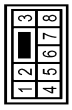
Connector No.	M149
Connector Name	REAR POWER SOCKET
Connector Type	P02FB-Z

H.S.

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

Connector No.	M206
Connector Name	WIRE TO WIRE
Connector Type	NS08MW-CS

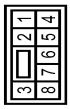
H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
2	BG	-
3	V	-
4	SB	-
5	B	-
6	G	-
7	R	-
8	SHIELD	-

Connector No.	M207
Connector Name	WIRE TO WIRE
Connector Type	NS08FW-CS

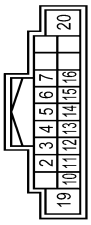
H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
2	BG	-
3	V	-
4	SB	-
5	B	-
6	G	-
7	R	-
8	SHIELD	-

Connector No.	M208
Connector Name	AV CONTROL UNIT
Connector Type	TH18FW-CS2

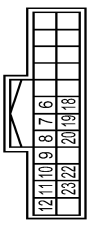
H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
2	L	SOUND SIGNAL FRONT LH (+)
3	P	SOUND SIGNAL FRONT LH (-)
4	V	SOUND SIGNAL REAR LH (+)
5	LG	SOUND SIGNAL REAR LH (-)
6	P	STRG SW A
7	V	ACC POWER SUPPLY
10	B	SHIELD [Except for Mexico]
10	SHIELD	SHIELD [For Mexico]
11	G	SOUND SIGNAL FRONT RH (+)
12	R	SOUND SIGNAL FRONT RH (-)
13	BR	SOUND SIGNAL REAR RH (+)
14	GR	SOUND SIGNAL REAR RH (-)
15	B	STRG SW GND
16	L	STRG SW B
19	Y	BATTERY POWER SUPPLY
20	B	GROUND

Connector No.	M215
Connector Name	DISPLAY UNIT
Connector Type	TH24FW-NH

H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
6	SHIELD	SHIELD
7	SHIELD	SHIELD
8	B	CAMERA IMAGE SIGNAL
9	Y	COMMUNICATION SIGNAL (DISP→CONT)

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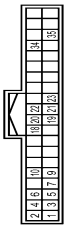
ACCESSORY POWER SUPPLY

10	BR	COMMUNICATION SIGNAL (CONT->DISP)
11	Y	BATTERY POWER SUPPLY
12	B	GROUND
18	W	COMPOSITE IMAGE SIGNAL
19	R	COMPOSITE IMAGE GND
20	B	COMPOSITE IMAGE SYNC SIGNAL
22	SHIELD	SHIELD
23	SB	ACC POWER SUPPLY [Except for Mexico]
23	V	ACC POWER SUPPLY [For Mexico]

Connector No. M216
Connector Name TCU
Connector Type TH40FW-NH

H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	BATTERY POWER SUPPLY
2	B	GROUND
3	SB	ACC POWER SUPPLY
4	W	IGNITION SIGNAL
5	V	ACC OUTPUT
6	P	-
7	B	GROUND
9	L	CAN-H
10	P	CAN-L
18	G	MICROPHONE VCC
19	R	MICROPHONE SIGNAL
20	SHIELD	MICROPHONE SHIELD
21	G	MICROPHONE VCC
22	R	MICROPHONE SIGNAL
23	SHIELD	MICROPHONE SHIELD
34	G	SOS CALL SWITCH SIGNAL
35	BR	SOS SWITCH LED SIGNAL

Connector No. M221
Connector Name WIRE TO WIRE
Connector Type M03FW-LC

H.S.

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

Connector No. M222
Connector Name WIRE TO WIRE
Connector Type M03MW-LC

H.S.

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

Connector No. R18
Connector Name FRONT MICROPHONE (ACTIVE NOISE CONTROL)
Connector Type TH04FW-NH

H.S.

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

Connector No. R20
Connector Name REAR MICROPHONE (ACTIVE NOISE CONTROL)
Connector Type TH04FW-NH

H.S.

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

Connector No. R22
Connector Name TELEMATICS SWITCH
Connector Type TH08FW-NH

H.S.

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

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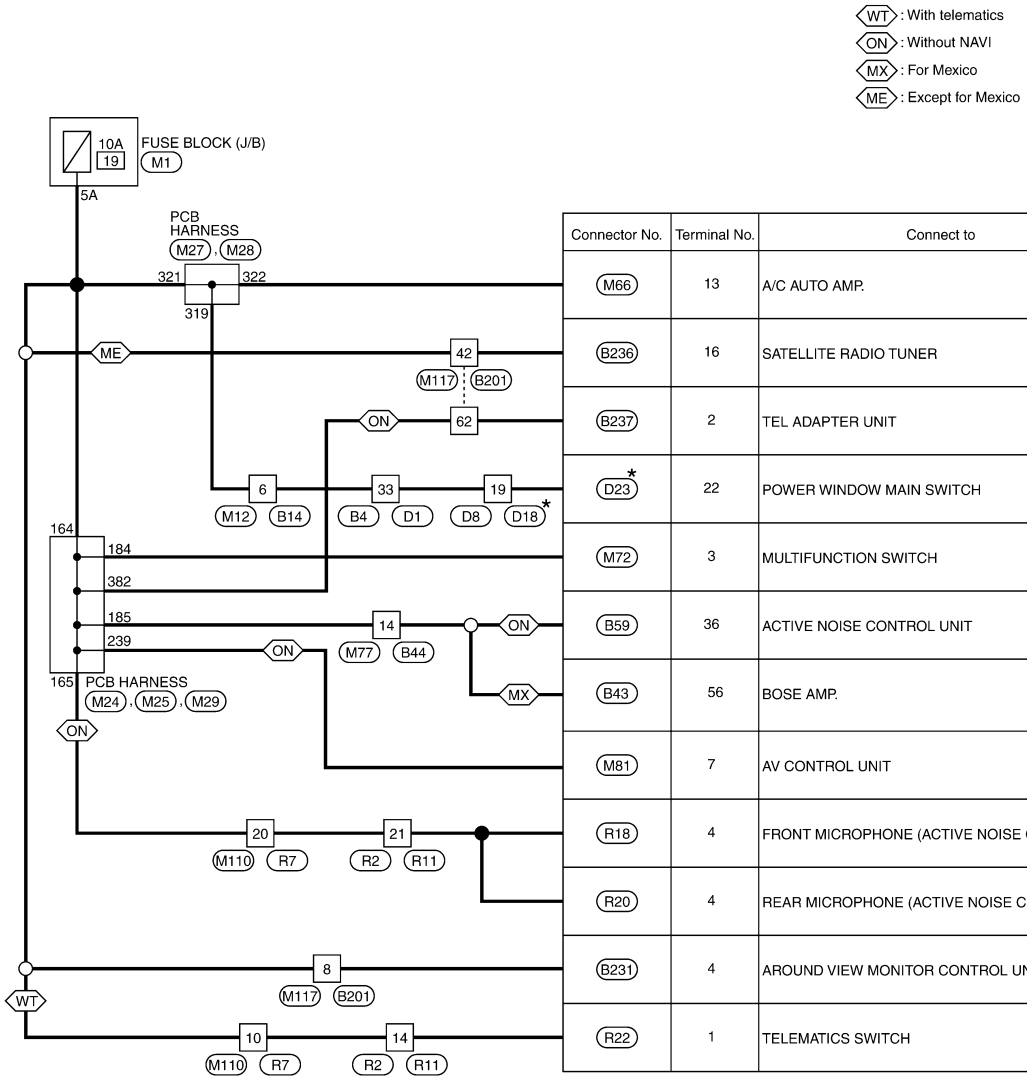
Wiring Diagram - ACCESSORY POWER SUPPLY FUSE No. 19 -

INFOID:0000000012349344

ACCESSORY POWER SUPPLY FUSE No. 19



Connector No.	Terminal No.	Connect to
M66	13	A/C AUTO AMP.
B236	16	SATELLITE RADIO TUNER
B237	2	TEL ADAPTER UNIT
D23 *	22	POWER WINDOW MAIN SWITCH
M72	3	MULTIFUNCTION SWITCH
B59	36	ACTIVE NOISE CONTROL UNIT
B43	56	BOSE AMP.
M81	7	AV CONTROL UNIT
R18	4	FRONT MICROPHONE (ACTIVE NOISE CONTROL)
R20	4	REAR MICROPHONE (ACTIVE NOISE CONTROL)
B231	4	AROUND VIEW MONITOR CONTROL UNIT
R22	1	TELEMATICS SWITCH

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

2015/09/02

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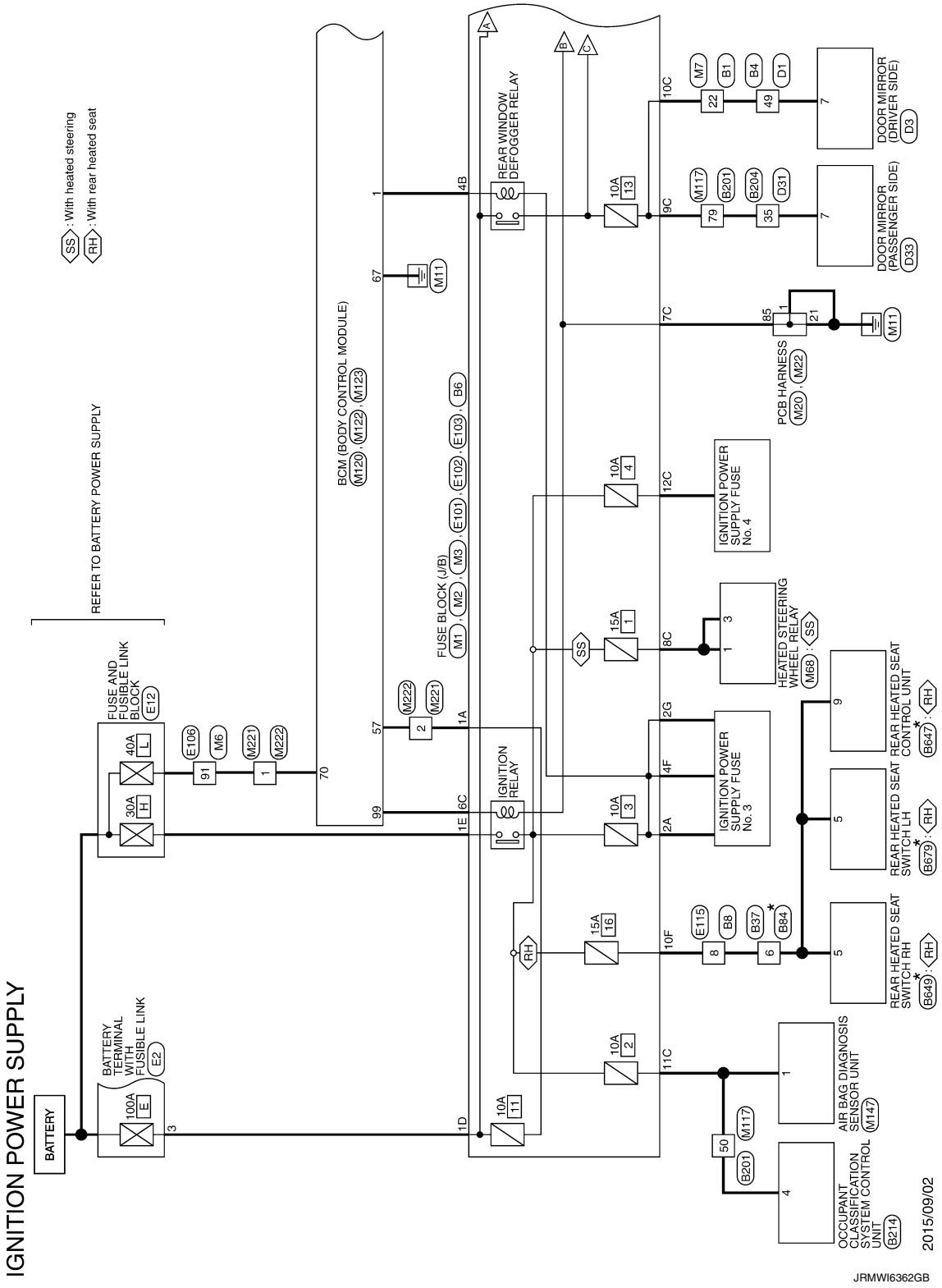
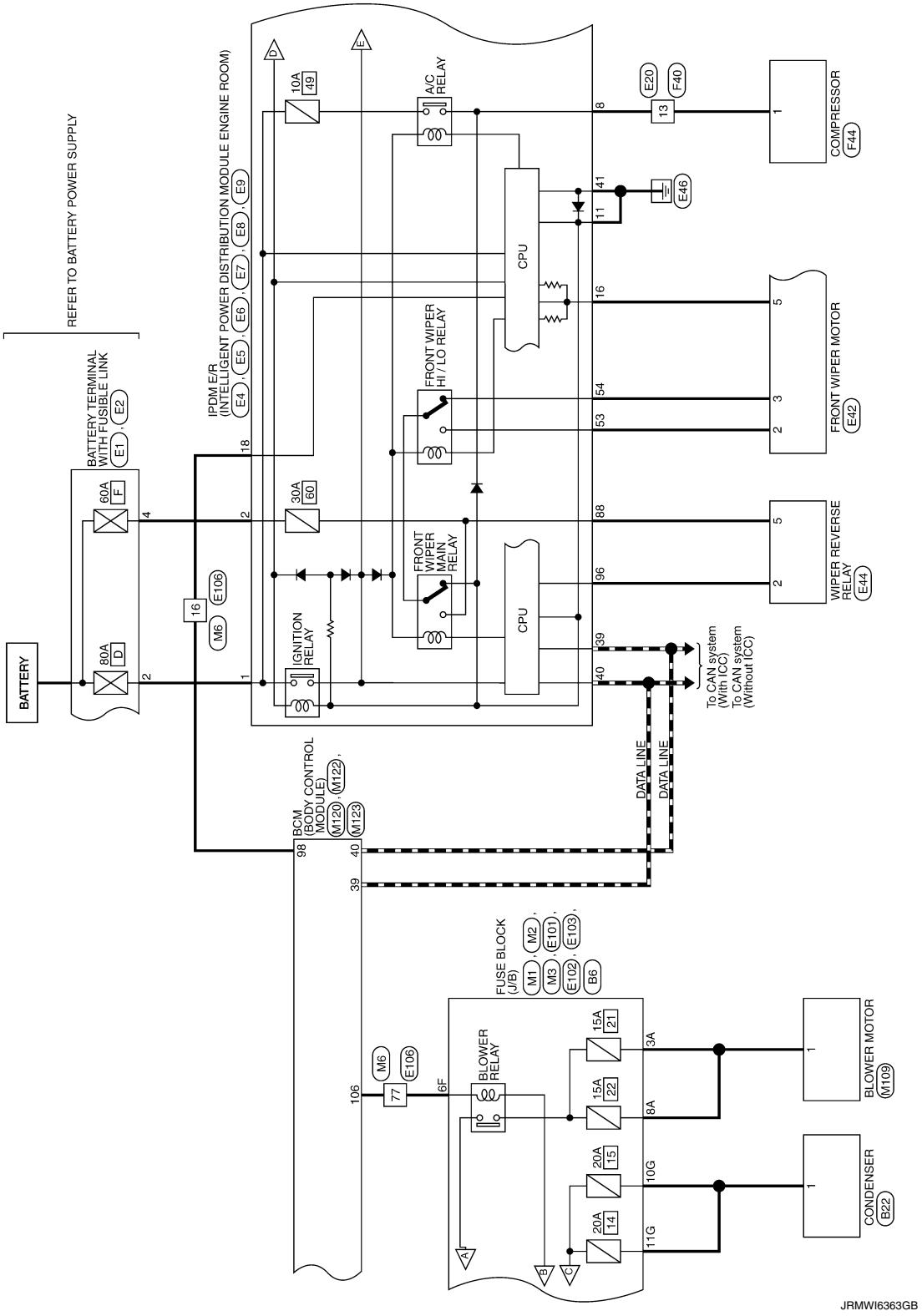
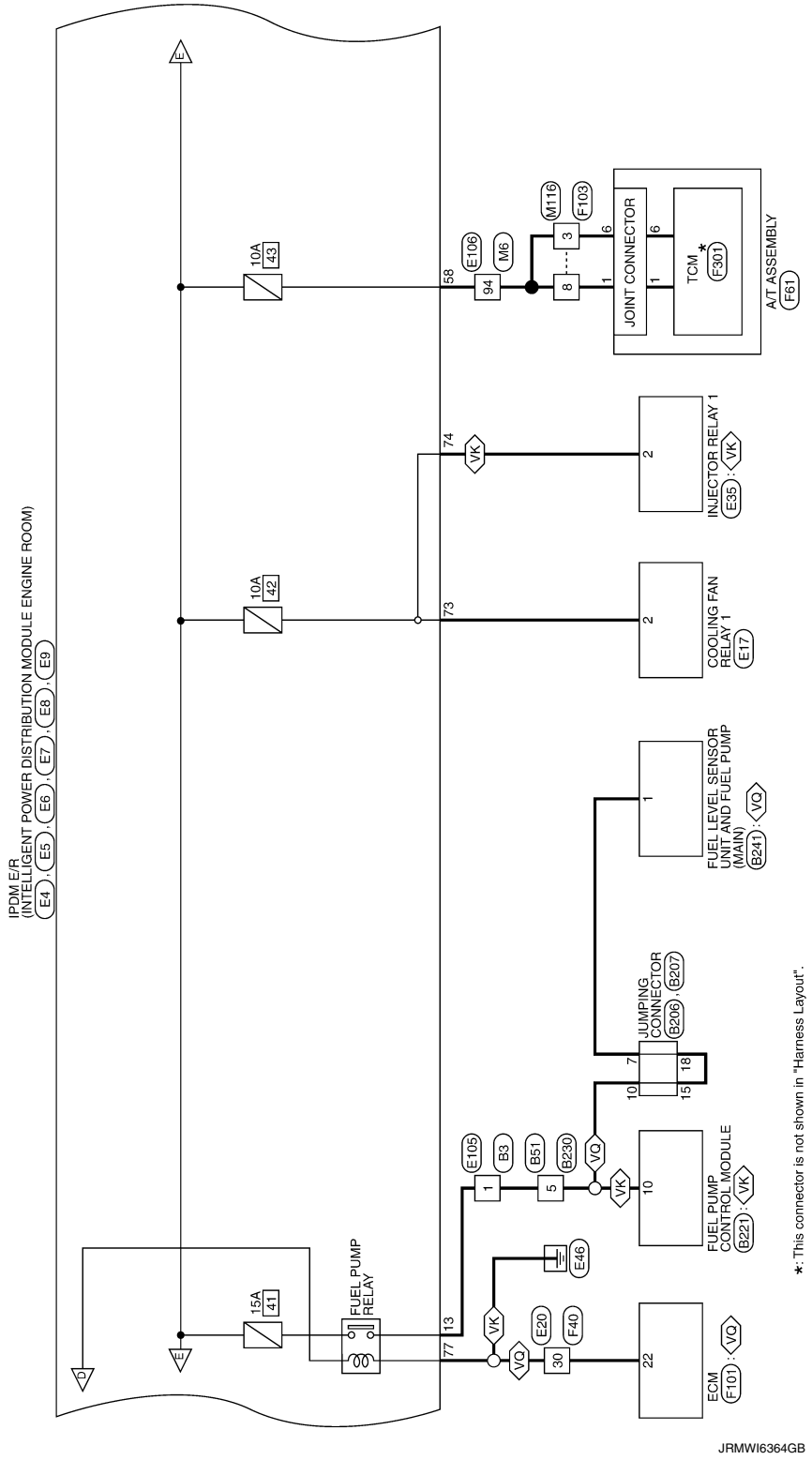
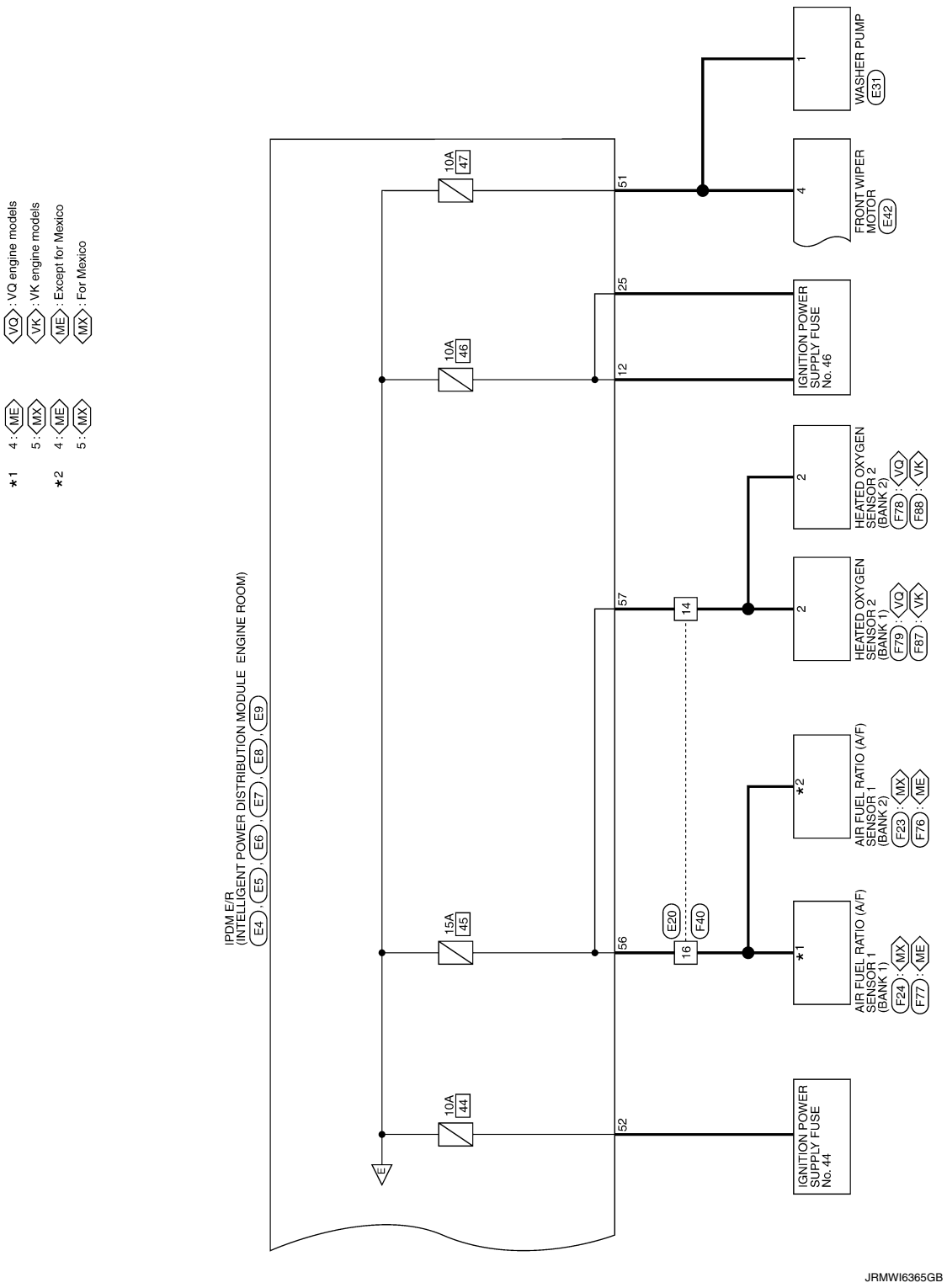
Wiring Diagram - IGNITION POWER SUPPLY -

INFOID:0000000012349345



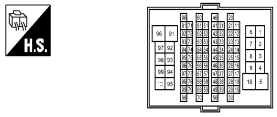

BATTERY
REFER TO BATTERY POWER SUPPLY
BATTERY TERMINAL WITH FUSIBLE LINK
E1, E2
80A D
60A F
IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
E4, E5, E6, E7, E8, E9
IGNITION RELAY
30A 60
10A 49
FRONT WIPER MAIN RELAY
FRONT WIPER HI / LO RELAY
A/C RELAY
CPU
CPU
M6
E106
16
BCM (BODY CONTROL MODULE)
M120, M122, M123
DATA LINE
DATA LINE
To CAN system (With ICC)
To CAN system (Without ICC)
E20
F40
13
E46
COMPRESSOR
F44
FRONT WIPER MOTOR
E42
WIPER REVERSE RELAY
E44
FUSE BLOCK (J/B)
M1, M2, M3, E101, E102, E103, B6
BLOWER RELAY
77
15A 21
15A 22
20A 15
20A 14
BLOWER MOTOR
M109
CONDENSER
B22
JRMWI6363GB


IPDM E/R
(INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
E4, E5, E6, E7, E8, E9
10A 43
10A 42
15A 41
FUEL PUMP RELAY
58
74
73
13
77
E106
94
M6
M116
3
8
F103
JOINT CONNECTOR
TCM *
F301
A/T ASSEMBLY
F61
VK
INJECTOR RELAY 1
E35
COOLING FAN RELAY 1
E17
FUEL LEVEL SENSOR UNIT AND FUEL PUMP (MAIN)
B241
VQ
JUMPING CONNECTOR
B206, B207
E105
B3
B51
B230
E46
E20
F40
30
22
ECM
F101
FUEL PUMP CONTROL MODULE
B221
*: This connector is not shown in "Harness Layout".
JRMWI6364GB


*1 4 : ME
5 : MX
*2 4 : ME
5 : MX
VQ : VQ engine models
VK : VK engine models
ME : Except for Mexico
MX : For Mexico
IPDM E/R
(INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
E4 , E5 , E6 , E7 , E8 , E9
10A 44
15A 45
10A 46
10A 47
E
52
56
57
12
25
51
16
14
E20
F40
IGNITION POWER SUPPLY FUSE No. 44
*1
AIR FUEL RATIO (A/F) SENSOR 1 (BANK 1)
F24 : MX
F77 : ME
*2
AIR FUEL RATIO (A/F) SENSOR 1 (BANK 2)
F23 : MX
F76 : ME
2
HEATED OXYGEN SENSOR 2 (BANK 1)
F79 : VQ
F87 : VK
2
HEATED OXYGEN SENSOR 2 (BANK 2)
F78 : VQ
F88 : VK
IGNITION POWER SUPPLY FUSE No. 46
4
FRONT WIPER MOTOR
E42
1
WASHER PUMP
E31
JRMWI6365GB

IGNITION POWER SUPPLY

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

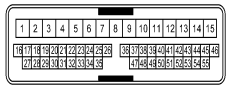


Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	W	-
4	LG	-
5	P	-
7	GR	-
8	Y	-
9	LG	-
10	V	-
11	GR	- [With climate controlled seat]
11	L	- [With heated seat]
12	GR	- [With heated seat]
12	P	- [With climate controlled seat]
13	BR	-
14	R	-
15	O	-
16	V	-
17	B	-
18	R	-
19	W	-
20	L	-
21	B	-
22	LG	-
23	V	-
24	Y	-
25	G	-
26	GR	-
27	SB	-
28	L/O	-
29	W/L	-
30	SHIELD	-
32	L	-
33	R	-
36	G	-
37	SB	-
40	SHIELD	-
41	GR/V	-
42	W/L	-
43	L	-
44	B	-
47	O	-
48	Y	-
49	BR	-
50	SB	-
51	V	-
52	LG	-
53	G	-
56	P	-
57	BR	-
58	LG	-
59	Y	-
60	W	-
61	B	-
62	LG	-
63	V	-
65	O	-
66	BR	-
67	V	-
68	LG	-
69	GR	-
70	R	-
72	L	-
73	P	-
74	L	-
75	P	-
76	Y	-
77	R	-
78	W	-
79	G	-
81	LG	-
82	BR	-
83	SB	-
84	Y	-
85	W	-
86	R	-
87	G	-
88	GR	-
91	SB	-
92	G	-
96	Y	-
97	O	-
98	SB	-
99	LG	-

Connector No.	B3
Connector Name	WIRE TO WIRE
Connector Type	M02FW-LC

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

Connector No.	B4
Connector Name	WIRE TO WIRE
Connector Type	TH40MW-CS15



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	GR	-
3	B	-
4	L	-
5	B/W	-
6	L	-
7	R	-
8	B	-
9	W	-
10	LG	-
11	P	-
12	GR	-
13	B/W	-
14	SB	-
15	O	-
16	G	-
17	Y	-
18	BR	-
19	GR	-
20	O	-
21	LG	-
22	L	-
23	SB	-
24	V	-
25	W/L	-
26	L/O	-
27	V	-
28	W	-
29	SB	-
30	L	-
31	LG	-
32	O	-
33	V	-
34	BR	-
35	B/R	-
36	P	-
37	BR	-
38	W	-
39	O	-
40	L	-
41	W	-
42	B	-
43	R	-
44	G	-
45	Y	-
46	V	-
47	SB	-
48	GR	-
49	LG	-
50	B	-
51	G	-
52	R	-
53	B	-
54	V	-
55	SHIELD	-

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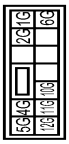
IGNITION POWER SUPPLY

Connector No.	B6
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS12FBR-CS

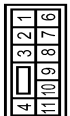
H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
10G	W	-
11G	W	-
12G	GR	-
1G	GR	-
2G	G/R	-
4G	L	-
5G	P/L	-
6G	G	-

Connector No.	B8
Connector Name	WIRE TO WIRE
Connector Type	NS12FW-CS

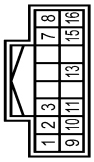
H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
3	O	-
4	L	-
5	Y	-
8	LG	-
10	W	-
11	G	-
12	SB	-

Connector No.	B17
Connector Name	AWD CONTROL UNIT
Connector Type	TH16FW-NH

H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	AWD SOL (+)
2	R	AWD SOL (-)
3	W	FLUID TEMP (-)
7	Y	IGN
8	L	CAN-H
9	SB	AWD SOL BAT
10	B/Y	GND
11	B/Y	GND
13	LG	FLUID TEMP (+)
15	G	BATTERY POWER SUPPLY
16	P	CAN-L

Connector No.	B22
Connector Name	CONDENSER
Connector Type	M01FW-LC

H.S.

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

Connector No.	B37
Connector Name	WIRE TO WIRE
Connector Type	NS06FW-CS

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	-
3	B/R	-
4	B/R	-
6	LG	-

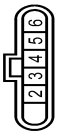
Connector No.	B51
Connector Name	WIRE TO WIRE
Connector Type	M08MB-LC

H.S.

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

Connector No.	B52
Connector Name	SIDE RADAR LH
Connector Type	AAC06FB-WP-5P

H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
2	B/Y	GROUND
3	Y	ITS COMM-L
4	L	ITS COMM-H
5	GR	IGNITION
6	BR	BLIND SPOT WARNING/BLIND SPOT INTERVENTION INDICATOR

Connector No.	B82
Connector Name	REAR SUNSHADE CONTROL UNIT
Connector Type	AMP_174923-1

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	R/W	IGN PWR SPLY
2	BR	GND
4	L	RR SUNSHADE SW
6	P	REVERSE

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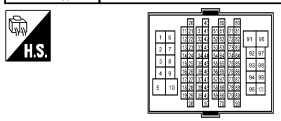
IGNITION POWER SUPPLY

Connector No.	B84
Connector Name	WIRE TO WIRE
Connector Type	NS06MW-CS

Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	-
3	B/R	-
4	B/R	-
6	LG	-

Connector No.	B201
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4

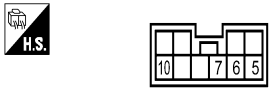


Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
3	R	-
6	R	-
7	W	-
8	V	-
11	R	-
12	G	-
13	Y	-
14	L	-
15	R	- [Without ADAS]
15	Y	- [With ADAS]
17	GR	-
18	P	-
19	BR	-
20	GR	-
21	Y	-
22	GR	-
23	R	-
24	V	-
25	B	-
26	W	-
27	O	-
28	V	-
29	P	-
30	O	-
31	B/R	-
32	Y	-
40	SHIELD	-
41	W/R	-
42	V	-
45	SB	-
46	R	- [With climate controlled seat]
46	Y	- [With heated seat]
47	G	- [With climate controlled seat]
47	GR	- [With heated seat]
48	V	-
49	O	-
50	R	-
51	GR	-
52	LG	-
53	P	-
56	P	-
57	W	-
58	O	-
59	Y	-
61	SB	-
62	L	-
63	W	-
64	SB	-
65	LG	-
66	L	-
67	Y	-
68	SB	-
69	B	-
71	L	-
72	L	-
73	R	-
74	B	-
75	L	-
76	SHIELD	-
77	G	-
78	R	-
79	P	-
80	G	-
81	O	-
82	BR	-
83	GR	-
84	V	-
85	LG	-
86	W	-
87	O	-
88	Y	-
89	BR	-
90	L	-
91	BR	-
93	O	- [With heated seat]
93	Y	- [With climate controlled seat]
94	GR	-
96	W	-
97	P	-
98	LG	-
99	LG	-
100	Y	-

Connector No.	B204
Connector Name	WIRE TO WIRE
Connector Type	TH40MW-CS15

Terminal No.	Color Of Wire	Signal Name [Specification]
2	B/W	-
3	B/W	-
5	Y	-
9	R	-
10	P	-
11	V	-
12	Y	-
13	BR	-
14	LG	-
15	GR	-
16	G	-
17	O	-
18	BR	-
19	GR	-
20	V	-
21	LG	-
22	W	-
23	O	-
24	Y	-
25	BR	-
26	L	-
27	W	-
28	B	-
29	R	-
30	SHIELD	-
31	G	-
32	G	-
33	R	-
35	P	-
36	B/R	-
37	BR	-
38	SB	-
39	P	-
44	SB	-
46	B	-
53	L	-
54	B	-
55	V	-

Connector No.	B206
Connector Name	JUMPING CONNECTOR
Connector Type	TM10FB



Terminal No.	Color Of Wire	Signal Name [Specification]
5	B/R	-
6	B	-
7	W	-
10	BR	-

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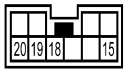
POWER SUPPLY ROUTING CIRCUIT

IGNITION POWER SUPPLY

Connector No.	B207
Connector Name	JUMPING CONNECTOR
Connector Type	TM10MB

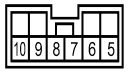


Terminal No.	Color Of Wire	Signal Name [Specification]
15	W	-
18	W	-
19	B	-
20	B	-

Connector No.	B214
Connector Name	OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT
Connector Type	TH08FW-NH

Terminal No.	Color Of Wire	Signal Name [Specification]
2	V	COMMUNICATION
4	R	IGN
5	B	GND

Connector No.	B221
Connector Name	FUEL PUMP CONTROL MODULE
Connector Type	TM10FB



Terminal No.	Color Of Wire	Signal Name [Specification]
5	B/R	-
6	B	-
7	W	-
8	P	-
9	GR	-
10	BR	-

Connector No.	B230
Connector Name	WIRE TO WIRE
Connector Type	M08FB-LC

Terminal No.	Color Of Wire	Signal Name [Specification]
5	BR	-

Connector No.	B231
Connector Name	AROUND VIEW MONITOR CONTROL UNIT
Connector Type	TH40FW-NH

Terminal No.	Color Of Wire	Signal Name [Specification]
1	B/R	GROUND
2	Y	BATTERY POWER SUPPLY
3	W	IGNITION SIGNAL
4	V	ACC POWER SUPPLY
19	SB	AV COMMUNICATION SIGNAL （H）
20	LG	AV COMMUNICATION SIGNAL （L）
25	B	REVERSE SIGNAL
27	L	CAN-H
28	R	CAN-L [Without ADAS]
28	Y	CAN-L [With ADAS]
30	SB	RETRACT MOTOR OPERATION SIGNAL （OPEN）
32	P	RETRACT MOTOR OPERATION SIGNAL （CLOSE）

Connector No.	B237
Connector Name	TEL ADAPTER UNIT
Connector Type	TH32FW-NH

Terminal No.	Color Of Wire	Signal Name [Specification]
1	LG	BATTERY
2	L	ACC
3	P	IGNITION
4	B/R	GND
7	W/R	MICROPHONE SIGNAL
8	SHIELD	MICROPHONE GND
9	W/L	TEL VOICE SIGNAL (+)
10	GR/V	TEL VOICE SIGNAL (-)

Terminal No.	Color Of Wire	Signal Name [Specification]
21	B/R	CONTROL SIGNAL
23	B/R	CONTROL SIGNAL
24	B/R	CONTROL SIGNAL
28	W	VEHICLE SPEED SIGNAL (8-PULSE)
29	B/R	MICROPHONE VCC

Connector No.	B241
Connector Name	FUEL LEVEL SENSOR UNIT AND FUEL PUMP (MAIN)
Connector Type	E05FGY-RS

Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	O	-
3	B	-
4	P	-
5	B	-

Connector No.	B252
Connector Name	SIDE RADAR RH
Connector Type	AAC06FB-WP

Terminal No.	Color Of Wire	Signal Name [Specification]
1	B/R	RIGHT/LEFT SWITCHING SIGNAL
2	B/R	GROUND
3	Y	ITS COMM-L
4	L	ITS COMM-H
5	G	IGNITION
6	BR	BLIND SPOT WARNING/BLIND SPOT INTERVENTION INDICATOR

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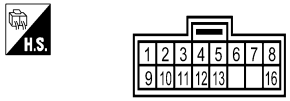
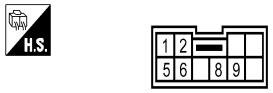
IGNITION POWER SUPPLY

Connector No.	B647
Connector Name	REAR HEATED SEAT CONTROL UNIT
Connector Type	TH16FW



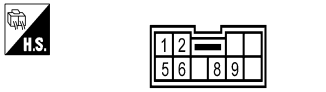
Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	SWITCH RH LO IND
2	LG	HEATER RH LO
3	V	SWITCH LH LO IND
4	P	SWITCH RH HI
5	SB	HEATER RH HI
6	G	SWITCH RH HI IND
7	SB	HEATER LH HI
8	BR	SWITCH LH HI IND
9	R	IGN
10	Y	SWITCH RH LO
11	GR	SWITCH LH LO
12	LG	HEATER LH LO
13	W	SWITCH LH HI
16	B	GND

Connector No.	B649
Connector Name	REAR HEATED SEAT SWITCH RH
Connector Type	TK10MW-X



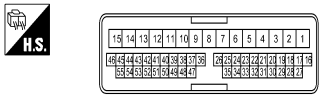
Terminal No.	Color Of Wire	Signal Name [Specification]
1	-	-
2	-	-
5	-	-
6	-	-
8	-	-
9	-	-

Connector No.	B679
Connector Name	REAR HEATED SEAT SWITCH LH
Connector Type	TK10MW-X



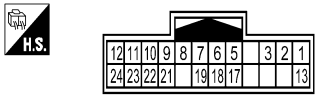
Terminal No.	Color Of Wire	Signal Name [Specification]
1	-	-
2	-	-
5	-	-
6	-	-
8	-	-
9	-	-

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



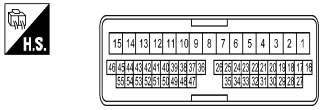
Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	G	-
3	B	-
4	L	-
5	B	-
6	L	-
7	R	-
8	GR	-
9	G	-
10	LG	-
11	P	-
12	LG	-
13	B/W	-
14	Y	-
15	O	-
16	R	-
17	Y	-
18	BR	-
19	W	-
20	O	-
21	GR	-
22	G	-
23	LG	-
24	B	-
25	L	-
26	P	-
27	V	-
28	W	-
29	GR	-
30	G	-
31	Y	-
32	O	-
33	BR	-
34	L	-
35	P	-
36	V	-
37	GR	-
38	O	-
39	W	-
40	R	-
41	W	-
42	B	-
43	R	-
44	G	-
45	LG	-
46	BR	-
47	L	-
48	Y	-
49	P	-
50	B/W	-
51	G	-
52	Y	-
53	B/W	-
54	W	-
55	SHIELD	-

Connector No.	D3
Connector Name	DOOR MIRROR (DRIVER SIDE)
Connector Type	TH24MW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	-
2	G	-
3	G	-
5	R	-
6	W	-
7	P	-
8	R	-
9	V	-
10	G	-
11	GR	-
12	O	-
13	B	-
17	SHIELD	-
18	B	-
19	B	-
21	BR	-
22	R	-
23	W	-
24	Y	-

Connector No.	D31
Connector Name	WIRE TO WIRE
Connector Type	TH40FW-CS15



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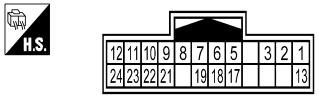
POWER SUPPLY ROUTING CIRCUIT

IGNITION POWER SUPPLY

Terminal No.	Color Of Wire	Signal Name [Specification]
2	B	-
3	B/W	-
5	GR	-
9	V	-
10	R	-
11	L	-
12	Y	-
13	BR	-
14	G	-
15	SB	-
16	G	-
17	P	-
18	BR	-
19	GR	-
20	V	-
21	LG	-
22	SB	-
23	G	-
24	Y	-
25	BR	-
26	L	-
27	W	-
28	B	-
29	R	-
30	SHIELD	-
31	G	-
32	P	-
33	L	-
35	W	-
36	L	-
37	P	-
38	SB	-
39	O	-
44	SB	-
46	B/W	-
53	L	-
54	B	-
55	V	-

Connector No.	D33
Connector Name	DOOR MIRROR (PASSENGER SIDE)
Connector Type	TH24MW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	-
2	V	-
3	G	-
5	R	-
6	W	-
7	W	-
8	SB	-
9	O	-
10	Y	-
11	L	-
12	BR	-
13	B	-
17	SHIELD	-
18	B	-
19	B	-
21	BR	-
22	G	-
23	GR	-
24	P	-

Connector No.	E1
Connector Name	BATTERY TERMINAL WITH FUSIBLE LINK
Connector Type	L02FBR-MC

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

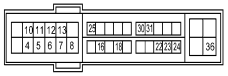
Connector No.	E2
Connector Name	BATTERY TERMINAL WITH FUSIBLE LINK
Connector Type	L02FGY-MC

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

Connector No.	E4
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	L02FB-MC

Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	F/L_MAIN
2	L	F/L_USM

Connector No.	E5
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	TH20FW-CS12-M4-1V



Terminal No.	Color Of Wire	Signal Name [Specification]
4	W	ENG_SOL
5	P	IGN_COIL
6	R	ECM_VB [With VQ37 engine]
6	SB	ECM_VB [With VK56 engine]
7	R	ETC [With VK56 engine]
7	Y	ETC [With VQ37 engine]
8	L/Y	A/C_COMP [With VK56 engine]
8	P	A/C_COMP [With VQ37 engine]
10	V	ECM_BAT
11	B	P-GND
12	G	ABS_ECU
13	GR	FUEL_PUMP [With VQ37 engine]
13	W	FUEL_PUMP [With VK56 engine]
16	V	WIPER_AUTOSTOP
18	Y	IGN_SIGNAL
22	BR	ALT-C
23	P	DTRL_RLY
24	O	HOOD_SW
25	LG	SUB_ECU
30	BR	PUSH_START_SW
31	BR	NP_SW [With VK56 engine]
31	W	NP_SW [With VQ37 engine]
36	GR	F/L_IGN_SW

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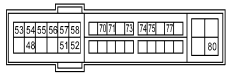
POWER SUPPLY ROUTING CIRCUIT

IGNITION POWER SUPPLY

Connector No.	E6
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	TH08FW-NH

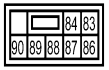
Terminal No.	Color Of Wire	Signal Name [Specification]
39	P	CAN-L
40	L	CAN-H
41	B	S-GND
42	V	MOTOR_FAN_RLY_CONT [With VK56 engine]
42	Y	MOTOR_FAN_RLY_CONT [With VQ37 engine]
43	SB	DETENT_SW
44	GR	HORN_RLY [With VK56 engine]
44	LG	HORN_RLY [With VQ37 engine]
45	G	HORN_SW
46	BR	START_CONT

Connector No.	E7
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	TH20FW-CS12-M4



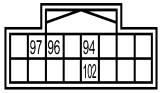
Terminal No.	Color Of Wire	Signal Name [Specification]
48	P	DTRL_DEICER
51	O	WASH_MTR
52	G	INJECTOR_#1
53	L	FR_WIPER_HI
54	P	FR_WIPER_LO
55	R	TAIL/ILLUMI
56	GR	O2_SENS_#1
57	V	O2_SENS_#2
58	BR	AT_ECU
70	LG	SSOFF
71	O	MOTRLY
73	G	START_IG-E/R
74	R	START_IG-EGI
75	Y	OIL_PRESSURE_SW
77	B	FPR
80	W	STARTER_MOTOR

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



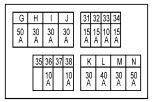
Terminal No.	Color Of Wire	Signal Name [Specification]
83	R	HEAD_LAMP_LO_RH
84	W	HEAD_LAMP_LO_LH
86	G	FR_FOG_LAMP_RH
87	L	FR_FOG_LAMP_LH
88	O	FR_WIPER_B
89	BR	HEAD_LAMP_HI_RH
90	P	HEAD_LAMP_HI_LH

Connector No.	E9
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	TH16FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
94	P	CLEARANCE_RH
96	R	WIPER_REV_RLY
97	V	MOTOR_FAN_PWM
102	R	CLEARANCE_LH [With VK56 engine]
102	R/L	CLEARANCE_LH [With VQ37 engine]

Connector No.	E12
Connector Name	FUSE AND FUSIBLE LINK BLOCK
Connector Type	24381_7990A

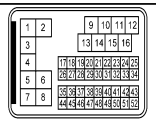


Terminal No.	Color Of Wire	Signal Name [Specification]
31	W	-
32	W/R	-
33	O	-
34	Y	-
36	SB	-
38	W	-
G	B	-
H	GR	-
I	W	-
J	BR	-
K	D	- [With VQ37 engine]
K	O	- [With VK56 engine]
L	W	-
M	R	-
N	G	-

Connector No.	E17
Connector Name	COOLING FAN RELAY 1
Connector Type	24347_9F900

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

Connector No.	E20
Connector Name	WIRE TO WIRE
Connector Type	SAA36MB-RS8-SHZ8



Terminal No.	Color Of Wire	Signal Name [Specification]
1	L/W	-
2	SHIELD	-
3	L/B	-
4	SHIELD	-
5	L/W	-
6	W	-
7	L/B	-
9	P	-
10	G	-
11	W	- [With VK56 engine]
11	Y	- [With VQ37 engine]
12	V	-
13	L	-
14	LG	- [With VK56 engine]
14	V	- [With VQ37 engine]
15	SB	-
16	GR	-
19	W	-
20	BR	-
21	G	-
22	O	-
23	L	-
24	GR	-
25	Y	-
28	V	-
29	Y	-
30	B	-
31	LG	-
32	W	-
33	BR	-
34	O	-
37	SHIELD	-
38	G	-
39	Y	-
40	R	-
41	W	-

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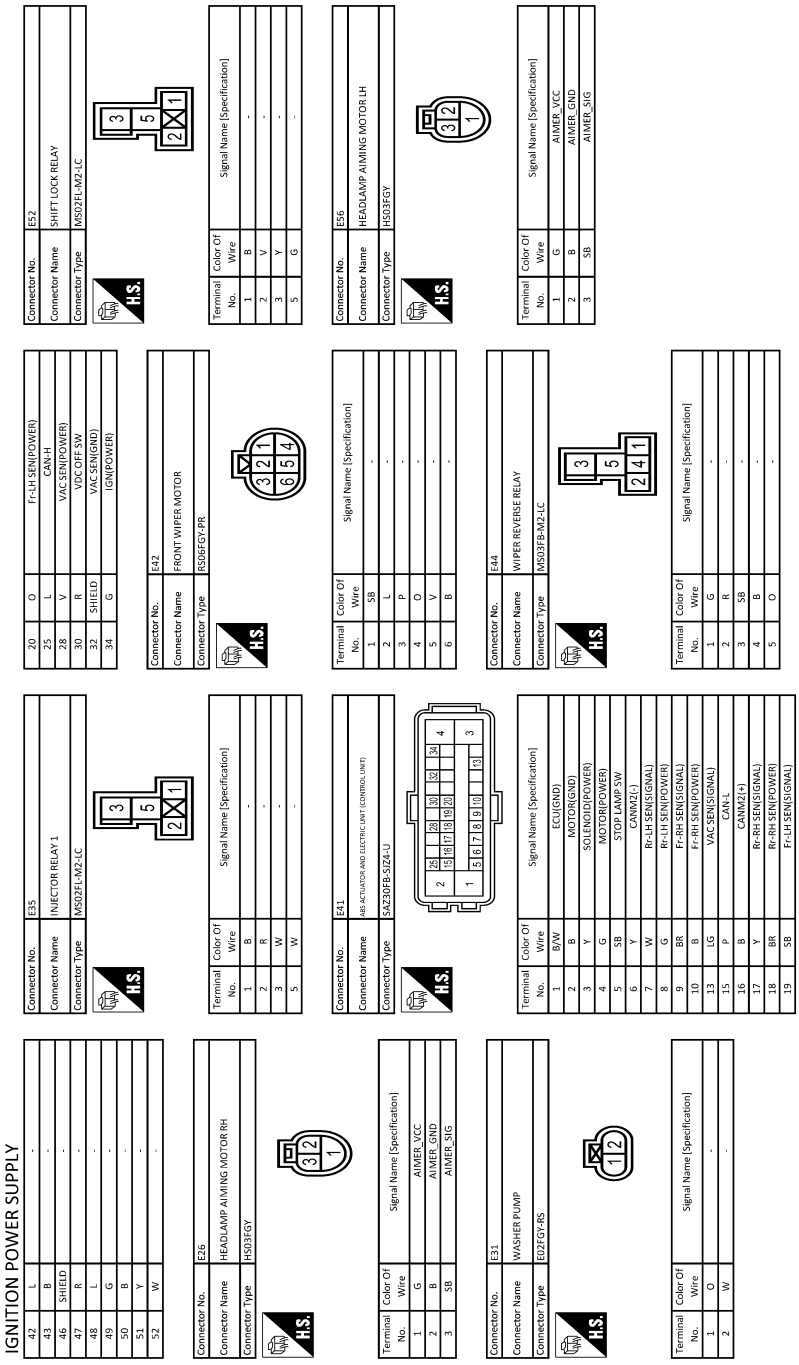

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IGNITION POWER SUPPLY

Connector No.	E68
Connector Name	HEADLAMP SWIVEL ACTUATOR LH
Connector Type	RS03FGY

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	SENS_VCC
2	Y	SENS_SIG
3	BR	SENS_GND

Connector No.	E69
Connector Name	HEADLAMP SWIVEL ACTUATOR RH
Connector Type	RS03FGY

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	SENS_VCC
2	Y	SENS_SIG
3	BR	SENS_GND

Connector No.	E70
Connector Name	AFS CONTROL UNIT
Connector Type	TH24FW-NH

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	CAN-H
3	GR	AFS SWITCH SIGNAL
6	Y	HEIGHT SENSOR SIGNAL
8	Y	SWIVEL ACTUATOR LIN SIGNAL
11	B	GROUND
12	G	IGNITION POWER SUPPLY
13	P	CAN-L
19	BR	SWIVEL ACTUATOR GROUND
21	V	HEIGHT SENSOR POWER SUPPLY
22	SB	AIMING MOTOR DRIVE SIGNAL
23	LG	HEIGHT SENSOR GROUND
24	B	AIMING MOTOR GROUND

Connector No.	E92
Connector Name	ICC BRAKE HOLD RELAY
Connector Type	M502FL-M2-LC

H.S.

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

Connector No.	E101
Connector Name	FUSE BLOCK (J/B)
Connector Type	U01FW-MC

H.S.

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

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

H.S.

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

Connector No.	E103
Connector Name	FUSE BLOCK (J/B)
Connector Type	N516FW-CS

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
10F	GR	-
12F	Y	-
14F	W	-
15F	V	-
1F	SB	-
2F	LG	-
4F	G	-
6F	O	-
8F	BR	-
9F	R	-

Connector No.	E105
Connector Name	WIRE TO WIRE
Connector Type	M02MW-LC

H.S.

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

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

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	P	-
2	W	-
3	SB	-
4	LG	-
5	O	-

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POWER SUPPLY ROUTING CIRCUIT

IGNITION POWER SUPPLY

6	W	-
7	GR	-
8	G	-
9	Y	-
10	BR	-
11	SB	-
12	L	-
13	GR	-
14	GR	-
15	V	-
16	Y	-
17	GR	-
18	V	-
20	BR	-
21	P	-
22	L	-
23	P	-
27	SHIELD	-
28	L/O	-
29	W/L	-
31	BR	-
32	G	-
33	O	-
34	Y	-
36	G	-
37	V	-
41	BR	-
44	W	-
45	L	-
46	GR	-
47	V	-
48	G	-
49	O	-
50	LG	-
54	R	-
55	B	-
60	W	-
61	G	-
62	Y	-
63	BR	-
64	B	-
65	Y	-
66	R	-
67	SB	-
68	G	-
69	SHIELD	-
70	W	-
71	W	-
72	R	-
73	G	-

74	Y	-
75	B	-
76	SHIELD	-
77	O	-
78	SB	-
80	V	-
82	SB	-
83	GR	-
84	Y	-
85	Y	-
86	L	-
87	V	-
88	BR	-
89	LG	-
90	W	-
91	W	-
92	P	-
93	LG	-
94	BR	-
95	W	-
97	R	-
98	Y	-
99	V	-
100	V	-

Connector No.	E109
Connector Name	ASCD BRAKE SWITCH
Connector Type	M02FBR-LC

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

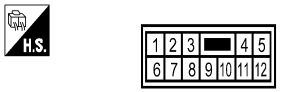
Connector No.	E110
Connector Name	STOP LAMP SWITCH
Connector Type	M04FW-LC

Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	V	-
3	G	- [Without ICC]
3	W	- [With ICC]
4	SB	-

Connector No.	E114
Connector Name	ICC BRAKE SWITCH
Connector Type	M02FBR-LC

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

Connector No.	E115
Connector Name	WIRE TO WIRE
Connector Type	NS12MW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
3	R	-
4	R	-
5	LG	-
8	GR	-
10	P	- [With VQ37 engine]
10	W	- [With VK56 engine]
11	V	-
12	Y	-

Connector No.	F23
Connector Name	AIR FUEL RATIO (A/F) SENSOR 1 (BANK 2)
Connector Type	AFZ06FB

Terminal No.	Color Of Wire	Signal Name [Specification]
2	Y	-
3	L/W	-
4	L/R	-
5	O	-
6	L	-

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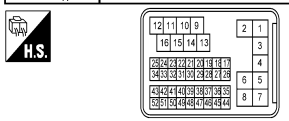
IGNITION POWER SUPPLY

Connector No.	F24
Connector Name	AIR FUEL RATIO (A/F) SENSOR 1 (BANK 1)
Connector Type	AFZ06FB

Terminal No.	Color Of Wire	Signal Name [Specification]
2	P	-
3	L/R	-
4	L	-
5	O	-
6	L/W	-

Connector No.	F40
Connector Name	WIRE TO WIRE
Connector Type	SAA36FB-RS8-SHZ8



Terminal No.	Color Of Wire	Signal Name [Specification]
1	L/W	-
2	SHIELD	-
3	L/B	-
4	SHIELD	-
5	L/W	-
6	R	- [With VK56 engine]
6	W	- [With VQ37 engine]
7	L/B	-
9	W	-
10	G	-
11	G	- [With VK56 engine]
11	R	- [With VQ37 engine]
12	W	-
13	P	-
14	V	-
15	R	-
16	O	- [With VK56 engine]
16	Y	- [With VQ37 engine]
19	L	-
20	GR	-
21	G	-
22	W	-
23	L	-
24	Y	-
25	LG	-
28	R	-
29	W	-
30	B	-
31	V	-
32	BR	- [With VQ37 engine]
32	LG	- [With VK56 engine]
33	P	- [With VQ37 engine]
33	Y	- [With VK56 engine]
34	O	-
37	SHIELD	-
38	L/G	- [With VK56 engine]
38	O/L	- [With VQ37 engine]
39	L/Y	- [With VK56 engine]
39	P	- [With VQ37 engine]
40	W/L	-
41	O/L	- [With VK56 engine]
41	W	- [With VQ37 engine]
42	LG	- [With VQ37 engine]
42	O	- [With VK56 engine]
43	O	- [With VQ37 engine]
43	W	- [With VK56 engine]
46	SHIELD	-
47	L/G	- [With VK56 engine]
47	W	- [With VQ37 engine]
48	BR	- [With VQ37 engine]
48	L/Y	- [With VK56 engine]
49	O/L	- [With VQ37 engine]
49	W/L	- [With VK56 engine]
50	O/L	- [With VK56 engine]
50	W/L	- [With VQ37 engine]
51	O	- [With VK56 engine]
51	SB	- [With VQ37 engine]
52	O	- [With VQ37 engine]
52	W	- [With VK56 engine]

Connector No.	F43
Connector Name	COMPRESSOR
Connector Type	RK02FGY

Terminal No.	Color Of Wire	Signal Name [Specification]
2	O	-
3	BR	-

Connector No.	F44
Connector Name	COMPRESSOR
Connector Type	RS01FB

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

Connector No.	F61
Connector Name	A/T ASSEMBLY
Connector Type	RK10FG-DGY

Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	POWER SUPPLY (BACK UP)
2	R	POWER SUPPLY (BACK UP)
3	L	CAN-H
4	V	K-LINE
5	B	GND
6	G	POWER SUPPLY (IGN)
7	SB	BACK-UP LAMP RELAY
8	P	CAN-L
9	BR	P/N SIGNAL
10	B	GROUND

Connector No.	F76
Connector Name	AIR FUEL RATIO (A/F) SENSOR 1 (BANK 2)
Connector Type	RH04FDGY-P

Terminal No.	Color Of Wire	Signal Name [Specification]
1	L/O	- [With VQ37 engine]
1	L/W	- [With VK56 engine]
2	L	- [With VK56 engine]
2	W/L	- [With VQ37 engine]
3	L	- [With VQ37 engine]
3	L/R	- [With VK56 engine]
4	O	- [With VK56 engine]
4	Y	- [With VQ37 engine]

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POWER SUPPLY ROUTING CIRCUIT

IGNITION POWER SUPPLY

Connector No.	F77
Connector Name	AIR FUEL RATIO (A/F) SENSOR 1 (BANK 1)
Connector Type	RH04FDGY-P

Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	-
2	B/W	- [With VQ37 engine]
2	L/R	- [With VK56 engine]
3	L/W	- [With VK56 engine]
3	W	- [With VQ37 engine]
4	O	- [With VK56 engine]
4	Y	- [With VQ37 engine]

Connector No.	F78
Connector Name	HEATED OXYGEN SENSOR 2 (BANK 2)
Connector Type	RH04MB

Terminal No.	Color Of Wire	Signal Name [Specification]
1	B/W	-
2	V	-
3	LG	-
4	L	-

Connector No.	F79
Connector Name	HEATED OXYGEN SENSOR 2 (BANK 1)
Connector Type	RH04MB

Terminal No.	Color Of Wire	Signal Name [Specification]
1	B/W	-
2	V	-
3	P	-
4	BR	-

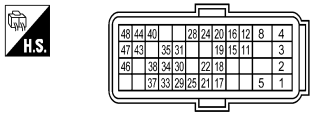
Connector No.	F87
Connector Name	HEATED OXYGEN SENSOR 2 (BANK 1)
Connector Type	AFZ04FB

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

Connector No.	F88
Connector Name	HEATED OXYGEN SENSOR 2 (BANK 2)
Connector Type	AFZ04FB

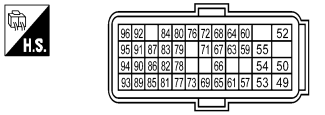
Terminal No.	Color Of Wire	Signal Name [Specification]
1	P	-
2	V	-
3	G	-
4	BR	-

Connector No.	F101
Connector Name	ECM
Connector Type	RH40FB-RZ8-L-RH-Z



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	A/F SENSOR 1 HEATER (BANK 1)
2	G	THROTTLE CONTROL MOTOR (BANK 1) (OPEN)
3	R	THROTTLE CONTROL MOTOR POWER SUPPLY (BANK 1)
4	BR	THROTTLE CONTROL MOTOR (BANK 1) (CLOSE)
5	L	A/F SENSOR 1 HEATER (BANK 2)
8	B	ECM GROUND
11	GR	IGNITION SIGNAL No. 4
12	L	IGNITION SIGNAL No. 3
15	LG	IGNITION SIGNAL No. 5
16	G	IGNITION SIGNAL No. 2
17	P	HEATED OXYGEN SENSOR 2 HEATER (BANK 1)
18	Y	INTAKE VALVE TIMING CONTROL SOLENOID VALVE (BANK 1)
19	V	IGNITION SIGNAL No. 6
20	Y	IGNITION SIGNAL No. 1
21	GR	EVAP CANISTER PURGE VOLUME CONTROL SOLENOID VALVE
22	B	FUEL PUMP RELAY
24	V	ECM RELAY (SELF SHUT-OFF)
25	O	THROTTLE CONTROL MOTOR RELAY
28	R	VVEL ACTUATOR MOTOR RELAY ABORT SIGNAL (VVEL CONTROL MODULE)
29	Y	INTAKE VALVE TIMING CONTROL SOLENOID VALVE (BANK 2)
30	O	THROTTLE POSITION SENSOR 1 (BANK 1)
31	O/L	THROTTLE POSITION SENSOR 1 (BANK 2)
33	LG	HEATED OXYGEN SENSOR 2 HEATER (BANK 2)
34	W/L	THROTTLE POSITION SENSOR 2 (BANK 1)
35	W	THROTTLE POSITION SENSOR 2 (BANK 2)
37	L	CRANKSHAFT POSITION SENSOR
38	W	MANIFOLD ABSOLUTE PRESSURE SENSOR
40	O/L	SENSOR GROUND
43	W/L	SENSOR POWER SUPPLY [THROTTLE POSITION SENSOR (BANK 2)]
44	W	SENSOR POWER SUPPLY [THROTTLE POSITION SENSOR (BANK 1)]
46	R	AVCC POS
47	B	GND POS
48	O	SENSOR GROUND

Connector No.	F102
Connector Name	ECM
Connector Type	RH40FBR-RZ8-L-RH-Z



Terminal No.	Color Of Wire	Signal Name [Specification]
49	LG	THROTTLE CONTROL MOTOR (BANK 2) (CLOSE)
50	V	THROTTLE CONTROL MOTOR (BANK 2) (OPEN)
52	R	THROTTLE CONTROL MOTOR RELAY POWER SUPPLY (BANK 2)
53	G	IGNITION SWITCH
54	L	CAN COMMUNICATION LINE (VVEL CONTROL MODULE)
55	Y	CAN COMMUNICATION LINE (VVEL CONTROL MODULE)
57	L	A/F SENSOR 1 (BANK 1)
59	L	CAMSHAFT POSITION SENSOR (BANK 1)
60	G	AVCC PHS1-E PHS1/PS
61	B/W	A/F SENSOR 1 (BANK 1)
63	BR	CAMSHAFT POSITION SENSOR (BANK 2)
64	W	AVCC PHS2-E PHS2/CU
65	L/O	A/F SENSOR 1 (BANK 2)
66	W/L	A/F SENSOR 1 (BANK 2)
67	Y	INTAKE AIR TEMPERATURE SENSOR (BANK 1)
68	V	GNDA QA1/TA1
69	GR	KNOCK SENSOR (BANK 2)

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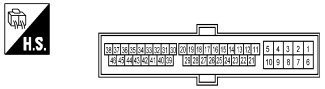
IGNITION POWER SUPPLY

71	SB	ENGINE COOLANT TEMPERATURE SENSOR
72	SHIELD	SENSOR GROUND (KNOCK SENSOR)
73	W	KNOCK SENSOR (BANK 1)
76	BR	HEATED OXYGEN SENSOR 2 (BANK 1)
77	O	MASS AIR FLOW SENSOR (BANK 1)
78	G	ENGINE OIL TEMPERATURE SENSOR
79	BR	MASS AIR FLOW SENSOR (BANK 2)
80	L	HEATED OXYGEN SENSOR 2 (BANK 2)
81	Y	FUEL INJECTOR No. 3
82	V	FUEL INJECTOR No. 6
83	GR	BATT TEMP
84	B/W	SENSOR GROUND
85	BR	FUEL INJECTOR No. 2
86	R	FUEL INJECTOR No. 5
87	V	POWER STEERING PRESSURE SENSOR
89	GR	FUEL INJECTOR No. 1
90	O	FUEL INJECTOR No. 4
91	G	BATTERY CURRENT SENSOR
92	R	GNDA PHASE#2
93	W	POWER SUPPLY FOR ECM (BACK-UP)
94	B	GNDA QA2
95	W	GNDA CURSEN
96	O	GNDA PHASE#1/PS

Connector No.	F103
Connector Name	WIRE TO WIRE
Connector Type	TK36FW-NS10



Terminal No.	Color Of Wire	Signal Name [Specification]
2	L	-
3	G	-
4	B	- [With VK56 engine]
4	R	- [With VQ37 engine]
5	B	- [With VQ37 engine]
5	GR	- [With VK56 engine]
7	LG	-
8	Y	-
9	SB	- [With VQ37 engine]
9	W	- [With VK56 engine]
10	BR	- [With VK56 engine]
10	V	- [With VQ37 engine]
11	L	-
12	P	-
13	V	-
14	SB	-
15	R	-
16	W	-
17	GR	-
18	LG	-
21	LG	-
22	B	-
23	G	-
24	BR	-
25	O	-

Connector No.	F121
Connector Name	FUEL INJECTOR No. 1
Connector Type	HS02FGY

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

Connector No.	F122
Connector Name	FUEL INJECTOR No. 2
Connector Type	HS02FGY

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

Connector No.	F123
Connector Name	FUEL INJECTOR No. 3
Connector Type	HS02FGY

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

Connector No.	F124
Connector Name	FUEL INJECTOR No. 4
Connector Type	HS02FGY

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

Connector No.	F125
Connector Name	FUEL INJECTOR No. 5
Connector Type	HS02FGY

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

Connector No.	F126
Connector Name	FUEL INJECTOR No. 6
Connector Type	HS02FGY

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

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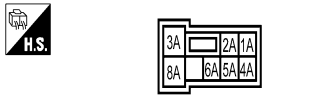
POWER SUPPLY ROUTING CIRCUIT

IGNITION POWER SUPPLY

Connector No.	F301
Connector Name	TCM
Connector Type	SP10FG

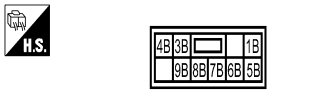
Terminal No.	Color Of Wire	Signal Name [Specification]
1	-	VIGN
2	-	BATT
3	-	CAN-H
4	-	K LINE
5	-	GND
6	-	VIGN
7	-	REV LAMP RLY
8	-	CAN-L
9	-	START RLY
10	-	GND

Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS06FW-M2



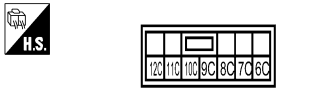
Terminal No.	Color Of Wire	Signal Name [Specification]
1A	R	-
2A	W	-
3A	Y	-
4A	W	-
5A	V	-
6A	Y	-
8A	Y	-

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



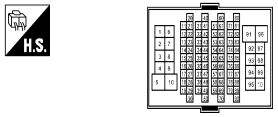
Terminal No.	Color Of Wire	Signal Name [Specification]
1B	R	-
3B	P	-
4B	G	-
5B	SB	-
6B	W	- [With VQ37 engine]
6B	Y	- [With VK56 engine]
7B	Y	-
8B	R	-
9B	R	-

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



Terminal No.	Color Of Wire	Signal Name [Specification]
10C	LG	-
11C	LG	-
12C	O	-
6C	R	-
7C	B	-
8C	B	-
9C	L	-

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



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	W	-
3	SB	-
4	LG	-
5	W	-
6	W	-
7	BG	-
8	G	-
9	Y	-
10	W	-
11	R	-
12	V	-
13	LG	-
14	L	-
15	V	-
16	B	-
17	GR	-
18	V	-
20	SB	-
21	BR	-
22	L	-
23	P	-
27	SHIELD	-
28	V	-
29	SB	-
31	BG	-
32	P	-
33	R	-
34	BG	-
36	V	-
37	G	-
41	BR	-
44	BR	-
45	Y	-
46	BG	-
47	V	-
48	G	-
49	BG	-
50	W	-
54	W	-
55	G	-
60	GR	-
61	B	-
62	LG	-
63	BR	-
64	L	- [With ICC]
64	SB	- [Without ICC]
65	R	- [With ICC]
65	Y	- [Without ICC]
66	P	-
67	L	-
68	R	-
69	SHIELD	-
70	B	-
71	W	-
72	R	-
73	G	-
74	Y	-
75	B	-
76	SHIELD	-
77	B	-
78	V	-
80	G	-
82	B	-
83	BG	-
84	SB	-
85	Y	-
86	L	-
87	V	-
88	V	-
89	LG	-
90	BG	-
91	W	-
92	BG	-
93	G	-
94	Y	-
95	W	-
97	SB	-
98	R	-
99	W	-
100	L	-

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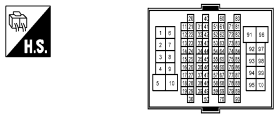
POWER SUPPLY ROUTING CIRCUIT

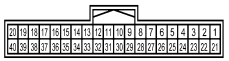
IGNITION POWER SUPPLY

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



Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	-
2	Y	-
4	BR	-
5	P	-
7	G	-
8	Y	-
9	G	-
10	V	-
11	L	- [With heated seat]
11	V	- [With climate controlled seat]
12	GR	- [With heated seat]
12	P	- [With climate controlled seat]
13	BR	-
14	GR	-
15	BG	-
16	V	-
17	BG	-
18	L	- [Without CAN gateway]
18	Y	- [With CAN gateway]
19	W	-
20	L	-
21	B	-
22	LG	-
23	W	-
24	V	-
25	G	-
26	BR	-
27	SB	-
28	P	-
29	L	-
30	SHIELD	-
32	L	-
33	P	-
36	BG	-
37	SB	-
41	SB	-
42	V	-
43	L	-
44	B	-
47	L	-
48	LG	-
49	BR	-
50	V	-
51	V	-
52	P	-
53	BG	-
56	SB	-
57	P	-
58	LG	-
59	Y	-
60	GR	-
61	B	-
62	LG	-
63	BR	-
65	W	-
66	R	-
67	V	-
68	LG	-
69	SB	-
70	V	-
72	L	-
73	P	-
74	L	-
75	P	-
76	G	-
77	Y	-
78	SB	-
79	W	-
81	LG	-
82	BR	-
83	BG	-
84	B	-
85	W	-
86	G	-
87	R	-
88	G	-
91	W	-
92	G	-
96	W	-
97	BG	-
98	Y	-
99	LG	-

Connector No.	M20
Connector Name	PCB HARNESS
Connector Type	TH40FB-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
2	B	-
3	Y	-
4	G	-
5	R	-
6	W	-
11	BR	-
12	R	-
15	B	-
16	SHIELD	-
17	R	-
18	P	-
19	W	-
21	B	-
22	R	- [With ICC]
22	Y	- [Without ICC]
23	L	- [With ICC]
23	SB	- [Without ICC]
24	L	-
27	P	-
31	V	-
33	V	-
35	L	-
36	P	-
38	L	-
40	Y	-

Connector No.	M22
Connector Name	PCB HARNESS
Connector Type	TH40FB-NH

Terminal No.	Color Of Wire	Signal Name [Specification]
81	L	-
82	P	-
83	B	-
84	B	-
85	B	-
86	B	-
87	B	-
88	B	-
89	Y	-
91	V	-
92	V	-
93	B	-
94	B	-
95	LG	-
96	BR	-
97	G	-
98	G	-
99	G	-
100	G	-
101	L	-
102	P	-
103	B	-
104	BR	-
105	R	-
107	Y	-
108	Y	-
109	BR	-
110	Y	-
112	B	-
113	P	-
114	L	-
116	B	-
117	B	- [With VK56 engine]
117	BG	- [With VQ37 engine]
118	B	-
119	LG	-

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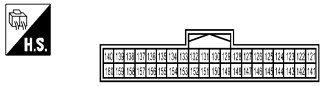
POWER SUPPLY ROUTING CIRCUIT

IGNITION POWER SUPPLY

120	V	-

Connector No.	M23
Connector Name	PCB HARNESS
Connector Type	TH40FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
121	R	-
122	V	-
123	BG	-
124	BG	-
126	B	-
131	SB	-
132	LG	-
133	L	-
134	L	-
135	P	-
136	P	-
137	Y	-
138	L	-
141	W	-
142	W	-
144	P	-
145	B	-
146	LG	-
147	B	-
149	B	-
150	P	-
151	L	-
152	B	-
153	W	-
154	W	-
155	W	-
157	W	-
158	R	-
159	R	-
160	SB	-

Connector No.	M24
Connector Name	PCB HARNESS
Connector Type	TH40FW-NH

Terminal No.	Color Of Wire	Signal Name [Specification]
161	BG	-
162	BG	-
164	V	-
165	V	-
166	R	-
167	LG	-
169	R	-
171	BG	-
172	B	-
174	W	-
176	L	-
177	P	-
178	Y	-
179	L	-
180	LG	-
182	BR	- [With VQ37 engine or with VK56 engine without ICC]
182	R	- [With VK56 engine with ICC]
183	G	-
184	V	-
185	P	-
186	R	-
187	L	- [Without CAN gateway]
187	Y	- [With CAN gateway]
188	L	-
189	B	-
190	V	-
191	LG	-
192	B	-
193	SB	-
194	BR	-
195	SB	-
198	R	-
199	B	-
200	SB	-

Connector No.	M25
Connector Name	PCB HARNESS
Connector Type	TH40FB-NH

Terminal No.	Color Of Wire	Signal Name [Specification]
201	L	-
206	P	-
207	Y	-
208	G	-
209	G	- [Without BOSE system]
209	L	- [With BOSE system]
210	L	- [Without BOSE system]
210	P	- [With BOSE system]
211	SHIELD	-
212	BR	- [Without BOSE system]
212	G	- [With BOSE system]
213	R	-
214	SHIELD	-
215	GR	- [Without BOSE system]
215	V	- [With BOSE system]
216	G	- [Without BOSE system]
216	LG	- [With BOSE system]
217	SHIELD	-
218	BR	- [With BOSE system]
218	P	- [Without BOSE system]
219	GR	- [With BOSE system]
219	V	- [Without BOSE system]
220	SHIELD	-
221	P	-
222	LG	-
223	SB	-
224	SB	-
225	LG	-
226	R	-
229	SB	-
230	BR	-
231	SB	-
232	V	-
233	L	-
234	P	-
235	B	-
239	V	-
240	W	-

Connector No.	M26
Connector Name	PCB HARNESS
Connector Type	TH40FW-NH

Terminal No.	Color Of Wire	Signal Name [Specification]
241	L	-
242	L	-
243	R	- [With ICC]
243	Y	- [Without ICC]
244	L	- [With ICC]
244	SB	- [Without ICC]
245	B	-
246	B	-
247	B	-
248	SHIELD	-
251	SHIELD	-
252	B	-
253	B	-
254	B	- [With heated seat]
254	W	- [With climate controlled seat]
255	B	-
258	R	-
259	L	-
260	BG	-
261	P	-
262	P	-
267	P	-
268	Y	-
269	G	-
270	Y	-
271	BR	-
272	G	-
273	R	-
274	R	-
275	Y	-
276	B	-
277	G	-

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POWER SUPPLY ROUTING CIRCUIT

IGNITION POWER SUPPLY

278	R	-
279	R	-
280	Y	-

Connector No.	M27
Connector Name	PCB HARNESS
Connector Type	TH40FB-NH

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
281	O	-
282	BG	-
283	BG	-
284	BG	-
286	W	-
287	Y	-
288	W	-
289	SHIELD	-
290	B	-
291	SHIELD	-
292	B	-
293	B	-
294	B	-
295	B	-
296	GR	-
297	B	-
298	B	-
299	L	-
300	W	-
301	R	-
302	R	-
303	R	-
304	SHIELD	-
305	P	-
306	V	-
309	G	-
310	R	-
311	W	-
312	B	-
313	B	-
314	Y	-

315	G	-
316	R	-
317	W	-
318	SHIELD	-
319	V	-
320	W	-

Connector No.	M28
Connector Name	PCB HARNESS
Connector Type	TH40FW-NH

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
321	V	-
322	V	-
324	B	-
325	L	-
326	L	-
327	P	-
328	P	-
330	B	-
331	V	-
332	V	-
335	B	-
337	W	-
338	W	-
343	L	-
344	B	-
345	Y	-
346	L	-
347	P	-
348	GR	-
349	V	-
350	LG	-
351	P	-
352	R	-
353	P	-
358	W	-
359	W	-
360	G	-

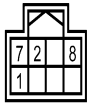
Connector No.	M29
Connector Name	PCB HARNESS
Connector Type	TH40FB-NH

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
361	W	-
362	W	-
363	Y	-
366	B	-
367	B	-
368	G	-
374	BG	-
375	BG	-
376	V	-
377	V	-
378	B	-
380	R	-
381	G	-
382	V	-
384	GR	-
395	P	-
396	L	-
400	V	-

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

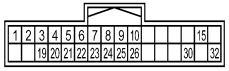
H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	CAN-H
2	P	CAN-L
7	B	GND
8	G	IGN

Connector No.	M43
Connector Name	LOW TIRE PRESSURE WARNING CONTROL UNIT
Connector Type	TH32FW-NH

H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
1	P	CAN-L
2	L	CAN-H
3	B	RR TUNER (SIG)
4	B	RL TUNER (SIG)
5	B	FR TUNER (SIG)
6	G	FL TUNER (SIG)
7	R	RR TUNER (VCC)
8	W	RL TUNER (VCC)
9	W	FR TUNER (VCC)
10	W	FL TUNER (VCC)
15	Y	IGN
19	G	RR TUNER (RSSI)
20	G	RL TUNER (RSSI)
21	G	FR TUNER (RSSI)
22	R	FL TUNER (RSSI)
23	W	RR TUNER (GND)
24	R	RL TUNER (GND)
25	R	FR TUNER (GND)
26	B	FL TUNER (GND)
30	G	BCM FLASHER
32	B	GND

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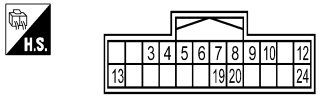
POWER SUPPLY ROUTING CIRCUIT

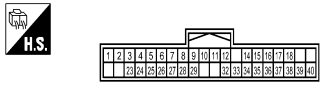
IGNITION POWER SUPPLY

Connector No.	M47
Connector Name	SONAR CONTROL UNIT
Connector Type	TH24FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
3	R	CORNER SENSOR SIGNAL FRONT LH
4	W	CORNER SENSOR SIGNAL FRONT RH
5	W	CORNER SENSOR SIGNAL REAR LH
6	B	CORNER SENSOR SIGNAL REAR RH
7	G	CENTER SENSOR SIGNAL REAR LH
8	R	CENTER SENSOR SIGNAL REAR RH
9	Y	CENTER SENSOR SIGNAL FRONT LH
10	G	CENTER SENSOR SIGNAL FRONT RH
12	B	GROUND
13	LG	IGNITION POWER SUPPLY
19	L	CAN-H
20	R	CAN-L [Without ICC]
20	Y	CAN-L [With ICC]
24	B	GROUND

Connector No.	M53
Connector Name	COMBINATION METER
Connector Type	TH40FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	BATTERY POWER SUPPLY
2	BG	IGNITION SIGNAL
3	GR	VEHICLE SPEED SIGNAL (2-PULSE)
4	R	VEHICLE SPEED SIGNAL (8-PULSE)
5	B	ILLUMINATION CONTROL SIGNAL
6	B	METER CONTROL SWITCH GROUND
7	SB	ENTER SWITCH SIGNAL
8	LG	SELECT SWITCH SIGNAL
9	G	ILLUMINATION CONTROL SWITCH SIGNAL (+)
10	GR	ILLUMINATION CONTROL SWITCH SIGNAL (-)
11	L	TRIP RESET SWITCH SIGNAL
12	B	GROUND
14	L	CAN-H
15	P	CAN-L
16	R	AIR BAG SIGNAL
17	G	LED HEADLAMP (RH) WARNING SIGNAL
18	V	LED HEADLAMP (LH) WARNING SIGNAL
23	B	GROUND
24	B	FUEL LEVEL SENSOR GROUND
25	W	ALTERNATOR SIGNAL
26	V	PARKING BRAKE SWITCH SIGNAL
27	V	BRAKE FLUID LEVEL SWITCH SIGNAL
28	G	SECURITY SIGNAL
29	L	WASHER LEVEL SWITCH SIGNAL
32	G	PADDLE SHIFTER SHIFT DOWN SIGNAL
33	BG	PADDLE SHIFTER SHIFT UP SIGNAL
34	G	FUEL LEVEL SENSOR SIGNAL
35	W	SEAT BELT BUCKLE SWITCH SIGNAL (DRIVER SIDE)
36	G	PASSENGER SEAT BELT WARNING SIGNAL
37	G	NON-MANUAL MODE SIGNAL
38	V	MANUAL MODE SHIFT DOWN SIGNAL
39	L	MANUAL MODE SHIFT UP SIGNAL
40	W	MANUAL MODE SIGNAL

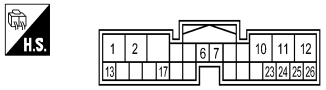
Connector No.	M54
Connector Name	METER CONTROL SWITCH
Connector Type	TH12MW-NH

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

Connector No.	M61
Connector Name	CLIMATE CONTROLLED SEAT RELAY
Connector Type	M06FBR-R-LC

Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
2	W	-
3	W	-
5	LG	-
6	G	-
7	SB	-

Connector No.	M66
Connector Name	A/C AUTO AMP.
Connector Type	TH20FW-TB6



Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	BATTERY POWER SUPPLY
2	W	IGNITION POWER SUPPLY
6	R	BLOWER MOTOR F/B SIGNAL
7	L	POWER TRANSISTOR CONTROL SIGNAL
10	B	GROUND
11	P	CAN-L
12	L	CAN-H
13	V	ACC POWER SUPPLY
17	BG	ECV CONTROL SIGNAL
23	W	DRIVE MODE SELECT SW (SNOW)
24	L	DRIVE MODE SELECT SW (ECO)
25	G	DRIVE MODE SELECT SW (STANDARD)
26	Y	DRIVE MODE SELECT SW (SPORT)

Connector No.	M68
Connector Name	HEATED STEERING WHEEL RELAY
Connector Type	MS02FL-M2-LC

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

Connector No.	M69
Connector Name	BACK-UP LAMP RELAY
Connector Type	MS02FL-M2-LC

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

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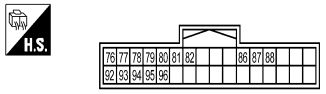
IGNITION POWER SUPPLY

Connector No.	M70
Connector Name	FRONT HEATED SEAT RELAY
Connector Type	MS02FL-M2-LC

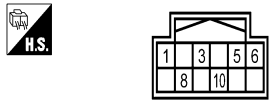
Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
2	W	-
3	G	-
5	SB	-

Connector No.	M84
Connector Name	AV CONTROL UNIT
Connector Type	TH32FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
76	LG	AV COMM (L)
77	SB	AV COMM (H)
78	LG	AV COMM (L)
79	SB	AV COMM (H)
80	P	CAN-L
81	L	CAN-H
82	BR	SW GND
86	SHIELD	SHIELD
87	P	TEL VOICE SIGNAL (+)
88	L	TEL VOICE SIGNAL (-)
92	R	VEHICLE SPEED SIGNAL (8-PULSE)
93	V	PARKING BRAKE SIGNAL
94	BG	REVERSE SIGNAL
95	W	IGNITION SIGNAL
96	SB	DISK EJECT SIGNAL

Connector No.	M108
Connector Name	POWER STEERING CONTROL UNIT
Connector Type	TH12FW-NH

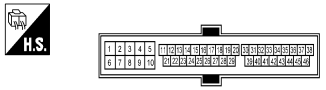


Terminal No.	Color Of Wire	Signal Name [Specification]
1	LG	EPS SOL+
3	G	IGN
5	B	EPS SOL-
6	B	GND
8	GR	VEHICLE SPEED (2P)
10	V	ENG TACHO

Connector No.	M109
Connector Name	BLOWER MOTOR
Connector Type	SNA02FW

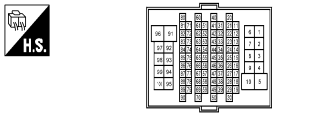
Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
2	R	-

Connector No.	M116
Connector Name	WIRE TO WIRE
Connector Type	TK36MW-NS10



Terminal No.	Color Of Wire	Signal Name [Specification]
2	SB	-
3	Y	-
4	B	- [With VK56 engine]
4	SB	- [With VQ37 engine]
5	B	-
7	W	-
8	Y	-
9	SB	- [With VQ37 engine]
9	W	- [With VK56 engine]
10	SB	-
11	L	-
12	P	-
13	V	-
14	R	-
15	Y	-
16	SB	-
17	BR	-
18	LG	-
21	LG	-
22	B	-
23	W	-
24	W	-
25	BG	-

Connector No.	M117
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4



Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
3	Y	-
6	R	-
7	W	-
8	V	-
11	R	-
12	G	-
13	W	-
14	L	-
15	R	- [Without ADAS]
15	Y	- [With ADAS]
17	GR	-
18	P	-
19	BR	-
20	GR	-
21	Y	-
22	LG	-
23	R	-
24	BG	-
25	BG	-
26	W	-
27	R	-
28	V	-
29	P	-
30	B	-
31	G	-
32	Y	-
40	SHIELD	-
41	R	-
42	V	-
45	SB	-
46	BG	- [With heated seat]
46	L	- [With climate controlled seat]
47	G	- [With climate controlled seat]
47	GR	- [With heated seat]
48	V	-

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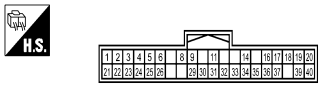
POWER SUPPLY ROUTING CIRCUIT

IGNITION POWER SUPPLY

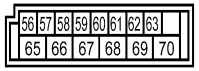
49	BG	-
50	LG	-
51	SB	-
52	Y	-
53	W	-
56	B	-
57	G	-
58	R	-
59	W	-
61	LG	-
62	V	-
63	R	-
64	SB	-
65	LG	-
66	L	-
67	Y	-
68	SB	-
69	B	-
71	L	-
72	L	-
73	P	-
74	B	-
75	L	-
76	SHIELD	-
77	G	-
78	R	-
79	L	-
80	G	-
81	BG	-
82	BR	-
83	GR	-
84	V	-
85	LG	-
86	V	-
87	R	-
88	Y	-
89	BR	-
90	L	-
91	Y	-
93	G	- [With heated seat]
93	W	- [With climate controlled seat]
94	V	-
96	W	-
97	Y	-
98	BR	-
99	G	-
100	Y	-

Connector No.	M120
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FB-NH



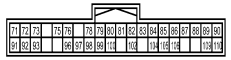
Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	RR WINDOW DEFG RLY CONT
2	BG	COMBI SW INPUT 5
3	SB	COMBI SW INPUT 4
4	L	COMBI SW INPUT 3
5	G	COMBI SW INPUT 2
6	P	COMBI SW INPUT 1
8	V	POWER WINDOW SW COMM
9	P	STOP LAMP SW 1
11	R	RAIN SENSOR SERIAL LINK
14	W	OPTICAL SENSOR
16	SB	DIMMER SIGNAL
17	Y	SENSOR PWR SPLY
18	B	RECEIVER / SENSOR GND
19	V	TURN SIG RH OUTPUT (FRONT)
20	G	TURN SIG LH OUTPUT (FRONT)
21	P	NATS ANT AMP.
22	GR	KYLS ENT RECEIVER RSSI
23	G	SECURITY IND CONT
24	L	DONGLE LINK
25	G	NATS ANT AMP.
26	G	I-KEY IDENTIFICATION
29	G	HAZARD SW
30	O	TR LID OPNR SW
31	W	DR DOOR UNLK SENSOR
32	BR	COMBI SW OUTPUT 5
33	R	COMBI SW OUTPUT 4
34	V	COMBI SW OUTPUT 3
35	Y	COMBI SW OUTPUT 2
36	LG	COMBI SW OUTPUT 1
37	R	P POSITION
39	L	CAN-H
40	P	CAN-L

Connector No.	M122
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	FEA09FW-FHA6-SA



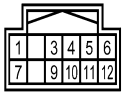
Terminal No.	Color Of Wire	Signal Name [Specification]
56	R	INT ROOM LAMP PWR SPLY
57	R	BAT (FUSE)
58	L	AIR BAG SIGNAL
59	G	PASS DOOR UNLK OUTPUT
60	G	TURN SIG LH OUTPUT (SIDE, REAR)
61	V	TURN SIG RH OUTPUT (SIDE, REAR)
62	V	STEP LAMP CONT
63	L	ROOM LAMP TIMER CONT
65	V	ALL DOOR, FL LID LOCK OUTPUT
66	LG	DR DOOR, FL LID UNLK OUTPUT
67	B	GND
68	O	PW PWR SPLY (IGN)
69	Y	PW PWR SPLY (BAT)
70	W	BAT (F/L)

Connector No.	M123
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
71	BR	KYLS ENT RECEIVER COMM
72	B	OUTS HD LAMP OUTPUT
73	V	ON IND
75	G	DR DOOR REQ SW
76	BR	PUSH SW
78	BR	DRIVER DOOR ANT+
79	SB	DRIVER DOOR ANT-
80	LG	PASSENGER DOOR ANT+
81	V	PASSENGER DOOR ANT-
82	V	REAR BMPR ANT+
83	SB	REAR BMPR ANT-
84	BR	ROOM ANT1+
85	Y	ROOM ANT1-
86	R	ROOM ANT2+
87	G	ROOM ANT2-
88	V	TRUNK ROOM ANT+
89	SB	TRUNK ROOM ANT-
90	R	PUSH-BTN IGN SW ILL PWR
91	GR	LOCK IND
92	B	PUSH-BTN IGN SW ILL GND
93	V	I-KEY WARN BUZZER
96	SB	ACC RELAY CONT
97	SB	STARTER RELAY CONT
98	B	IGN RELAY (IPDM E/R) CONT
99	R	IGN RELAY (F/B) CONT
100	SB	PASS DOOR REQ SW
102	BR	P/N POSITION
104	GR	A/T SHIFT SELECT PWR SPLY
105	R	STOP LAMP SW 2
106	B	BLWR RELAY CONT
109	Y	ACC IND
110	R	RECEIVER PWR SPLY

Connector No.	M125
Connector Name	CAN GATEWAY
Connector Type	TH12FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	CAN-H
3	GR	BATTERY
4	L	CAN-H
5	B	GND
6	L	CAN-H
7	P	CAN-L
9	W	IGNITION
10	P	CAN-L

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POWER SUPPLY ROUTING CIRCUIT

IGNITION POWER SUPPLY

11	B	GND
12	P	CAN-L

Connector No.	M134
Connector Name	OPTION CONNECTOR
Connector Type	TH08FW-NH

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	BG	-
2	W	-
3	L	-
4	L	-
5	P	-
6	B	-
7	LG	-
8	GR	-

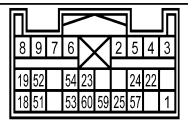
Connector No.	M143
Connector Name	YAW RATE / SIDE / DECEL G SENSOR
Connector Type	SAZ06FB

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
2	R	- [With ICC]
2	Y	- [Without ICC]
3	L	- [With ICC]
3	SB	- [Without ICC]
4	G	-

Connector No.	M147
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	NH28FY-EX

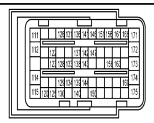
H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
1	LG	IGN
2	B	GND
3	Y	DR1 (+)
4	Y	DR1 (-) DR2 (-)
5	Y	DR2 (+)
6	Y	AS1 (+)
7	Y	AS1 (-)
8	Y	AS2 (+)
9	Y	AS2 (-)
18	SB	ECZS (+)
19	V	ECZS (-)
22	SHIELD	GND
23	R	AIR BAG W/L
24	G	SEAT BELT
25	R	CUTOFF TELLTALE
51	G	SATELLITE RH2 (+)
52	R	SATELLITE RH2 (-)
53	P	SATELLITE RH2 (+)
54	L	SATELLITE RH2 (-)
57	L	IVCS
59	L	CAN-H
60	P	CAN-L

Connector No.	M160
Connector Name	ECM
Connector Type	MAB55FB-MEB10-LH-Z

H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
111	W	FUEL INJECTOR DRIVER POWER SUPPLY
112	W	FUEL INJECTOR DRIVER POWER SUPPLY
114	B	ECM GROUND
115	B	ECM GROUND
120	G	EVAP CANISTER VENT CONTROL VALVE
122	V	VVEL ACTUATOR MOTOR RELAY ABORT SIGNAL (VVEL CONTROL MODULE)
123	BG	THROTTLE CONTROL MOTOR RELAY
125	P	FUEL PUMP CONTROL MODULE (FPCM)
126	Y	ACCELERATOR PEDAL POSITION SENSOR 2
128	SB	ASCD STEERING SWITCH
129	B	SENSOR GROUND [Without ICC]
129	BR	SENSOR GROUND [With ICC]
130	Y	SENSOR GROUND
131	L	SENSOR POWER SUPPLY
133	BG	SENSOR POWER SUPPLY
134	P	FUEL TANK TEMPERATURE SENSOR
136	R	ACCELERATOR PEDAL POSITION SENSOR 1
137	G	SENSOR POWER SUPPLY
138	P	BATTERY CURRENT SENSOR
139	BG	BATTERY TEMPERATURE SENSOR
140	W	SENSOR GROUND
141	G	IGNITION SWITCH
142	GR	FUEL PUMP CONTROL MODULE (FPCM) CHECK
143	P	FUEL TANK PRESSURE SENSOR
144	LG	REFRIGERANT PRESSURE SENSOR
146	L	CAN COMMUNICATION LINE
147	BR	ASCD BRAKE SWITCH
150	V	SENSOR GROUND
151	P	CAN COMMUNICATION LINE
156	W	POWER SUPPLY FOR ECM (BACK-UP)
158	P	STOP LAMP SWITCH
161	Y	ENG COMMUNICATION LINE
163	W	ECM RELAY (SELF SHUT-OFF)
166	BG	ENG COMMUNICATION LINE
169	V	ENGINE SPEED SIGNAL OUTPUT
171	SB	POWER SUPPLY FOR ECM
172	SB	POWER SUPPLY FOR ECM
173	R	THROTTLE CONTROL MOTOR POWER SUPPLY
174	B	ECM GROUND
175	B	ECM GROUND

Connector No.	M182
Connector Name	DATA LINK CONNECTOR
Connector Type	BD16FW

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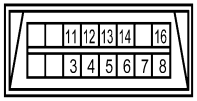

Terminal No.	Color Of Wire	Signal Name [Specification]
3	LG	M-CAN_L
4	B	EARTH
5	B	EARTH
6	L	CAN-H
7	V	KLINE
8	LG	IGN_SW
11	SB	M-CAN_H
12	P	CAN-L
13	L	CAN-H
14	P	CAN-L
16	W	POWER

Connector No.	M189
Connector Name	JOINT CONNECTOR-M01
Connector Type	NH20FL-DC

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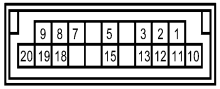

Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
2	B	-
3	B	-

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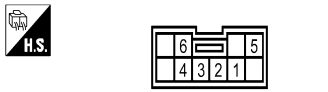
IGNITION POWER SUPPLY

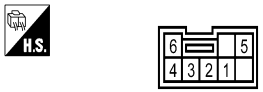
5	B	-
7	B	-
8	B	-
9	B	-
10	B	-
11	B	-
12	B	-
13	B	-
15	B	-
18	LG	-
19	LG	-
20	LG	-

Connector No.	M198
Connector Name	FRONT HEATED SEAT SWITCH (DRIVER SIDE)
Connector Type	TK10FW



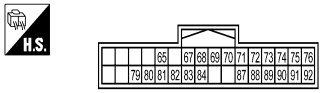
Terminal No.	Color Of Wire	Signal Name [Specification]
1	P	-
2	V	-
3	R	-
4	B	-
5	W	-
6	B	-

Connector No.	M199
Connector Name	FRONT HEATED SEAT SWITCH (PASSENGER SIDE)
Connector Type	TK08FBR



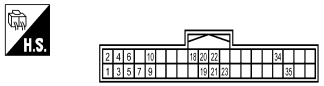
Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	-
2	G	-
3	R	-
4	R	-
5	Y	-
6	B	-

Connector No.	M210
Connector Name	AV CONTROL UNIT
Connector Type	TH32FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
65	V	PARKING BRAKE SIGNAL
67	R	COMPOSITE IMAGE SIGNAL GND
68	W	COMPOSITE IMAGE SIGNAL
69	G	I-KEY IDENTIFICATION SIGNAL
70	P	-
71	SHIELD	MICROPHONE SHIELD
72	G	MICROPHONE VCC
73	BR	COMM (CONT->DISP)
74	P	CAN-L
75	LG	AV COMM (L)
76	LG	AV COMM (L)
79	SB	DIMMER SIGNAL
80	W	IGNITION SIGNAL
81	BG	REVERSE SIGNAL
82	R	VEHICLE SPEED SIGNAL (8-PULSE)
83	SHIELD	SHIELD
84	B	COMPOSITE IMAGE SYNC SIGNAL
87	R	MICROPHONE SIGNAL
88	SHIELD	SHIELD
89	Y	COMM (DISP->CONT)
90	L	CAN-H
91	SB	AV COMM (H)
92	SB	AV COMM (H)

Connector No.	M216
Connector Name	TCU
Connector Type	TH40FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	BATTERY POWER SUPPLY
2	B	GROUND
3	SB	ACC POWER SUPPLY
4	W	IGNITION SIGNAL
5	V	ACC OUTPUT
6	P	-
7	B	GROUND
9	L	CAN-H
10	P	CAN-L
18	G	MICROPHONE VCC
19	R	MICROPHONE SIGNAL
20	SHIELD	MICROPHONE SHIELD
21	G	MICROPHONE VCC
22	R	MICROPHONE SIGNAL
23	SHIELD	MICROPHONE SHIELD
34	G	SOS CALL SWITCH SIGNAL
35	BR	SOS SWITCH LED SIGNAL

Connector No.	M221
Connector Name	WIRE TO WIRE
Connector Type	M03FW-LC

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

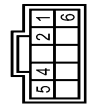
Connector No.	M222
Connector Name	WIRE TO WIRE
Connector Type	M03MW-LC

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

JRMWI6387GB

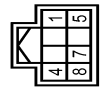
IGNITION POWER SUPPLY

Connector No.	R3
Connector Name	AUTO ANTI-DAZZLING INSIDE MIRROR
Connector Type	SAC10FB



Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	IGN
2	B	GND
4	L	OEC*
5	B	OEC
6	G	BAT

Connector No.	R8
Connector Name	LANE CAMERA UNIT
Connector Type	TH08FW-NH



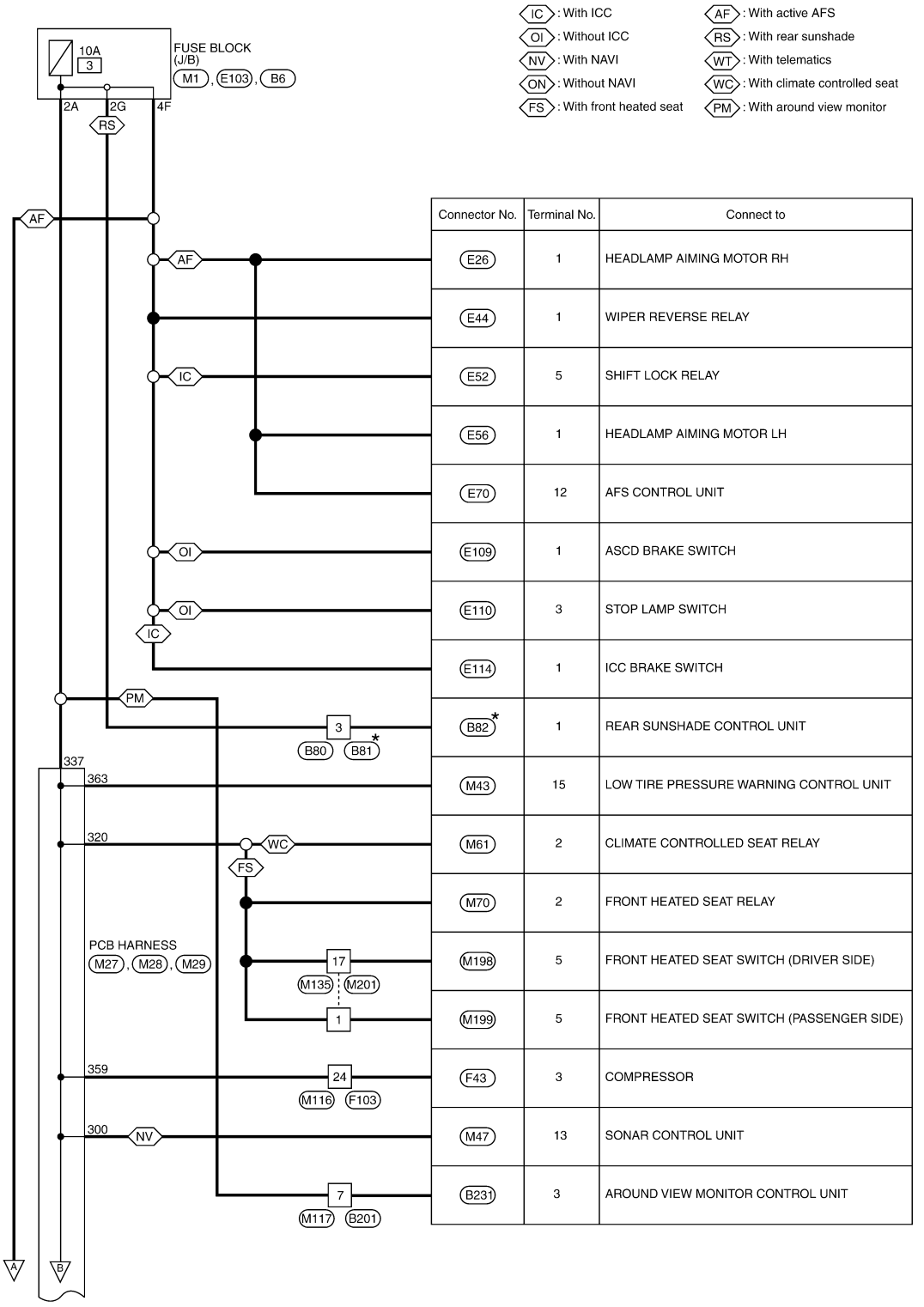
Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	GROUND
4	L	ITS COMM-H
5	B	GROUND
7	G	IGNITION
8	Y	ITS COMM-L

JRMWI6388GB

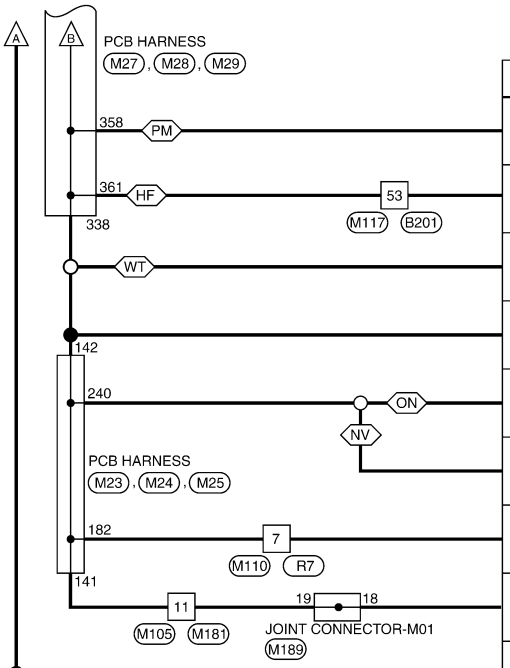
Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 3 -

INFOID:0000000012349346

IGNITION POWER SUPPLY FUSE No. 3



Connector No.	Terminal No.	Connect to
E26	1	HEADLAMP AIMING MOTOR RH
E44	1	WIPER REVERSE RELAY
E52	5	SHIFT LOCK RELAY
E56	1	HEADLAMP AIMING MOTOR LH
E70	12	AFS CONTROL UNIT
E109	1	ASCD BRAKE SWITCH
E110	3	STOP LAMP SWITCH
E114	1	ICC BRAKE SWITCH
B82*	1	REAR SUNSHADE CONTROL UNIT
M43	15	LOW TIRE PRESSURE WARNING CONTROL UNIT
M61	2	CLIMATE CONTROLLED SEAT RELAY
M70	2	FRONT HEATED SEAT RELAY
M198	5	FRONT HEATED SEAT SWITCH (DRIVER SIDE)
M199	5	FRONT HEATED SEAT SWITCH (PASSENGER SIDE)
F43	3	COMPRESSOR
M47	13	SONAR CONTROL UNIT
B231	3	AROUND VIEW MONITOR CONTROL UNIT



HF : With hands free phone

Connector No.	Terminal No.	Connect to
M125	9	CAN GATEWAY
B237	3	TEL ADAPTER UNIT
M216	4	TCU
M66	2	A/C AUTO AMP.
M84	95	AV CONTROL UNIT
M210	80	AV CONTROL UNIT
R3	1	AUTO ANTI-DAZZLING INSIDE MIRROR
M182	8	DATA LINK CONNECTOR
E68	1	HEADLAMP SWIVEL ACTUATOR LH
E69	1	HEADLAMP SWIVEL ACTUATOR RH

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

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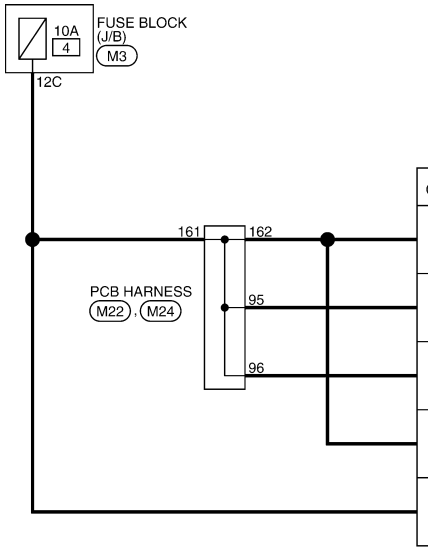
Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 4 -

INFOID:0000000012349347

IGNITION POWER SUPPLY FUSE No. 4



Connector No.	Terminal No.	Connect to
M53	2	COMBINATION METER
M69	1	BACK-UP LAMP RELAY
M69	3	BACK-UP LAMP RELAY
M134	1	OPTION CONNECTOR
M54	9	METER CONTROL SWITCH

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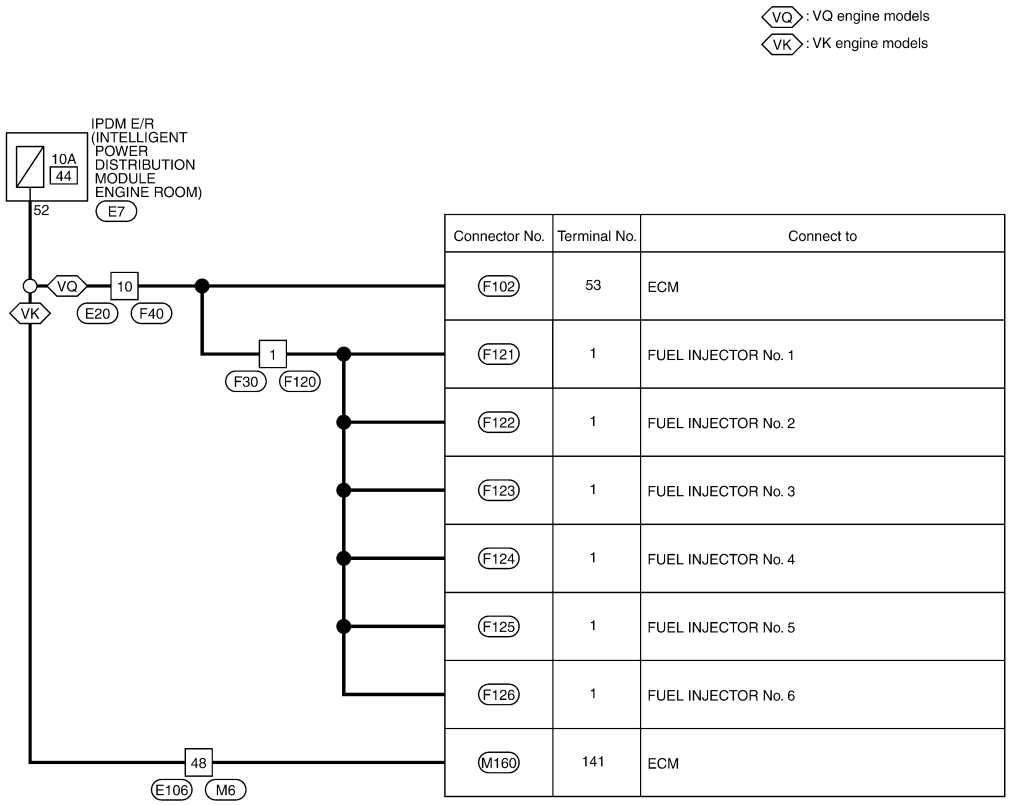
Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 44 -

INFOID:0000000012349348

IGNITION POWER SUPPLY FUSE No. 44



Connector No.	Terminal No.	Connect to
F102	53	ECM
F121	1	FUEL INJECTOR No. 1
F122	1	FUEL INJECTOR No. 2
F123	1	FUEL INJECTOR No. 3
F124	1	FUEL INJECTOR No. 4
F125	1	FUEL INJECTOR No. 5
F126	1	FUEL INJECTOR No. 6
M160	141	ECM

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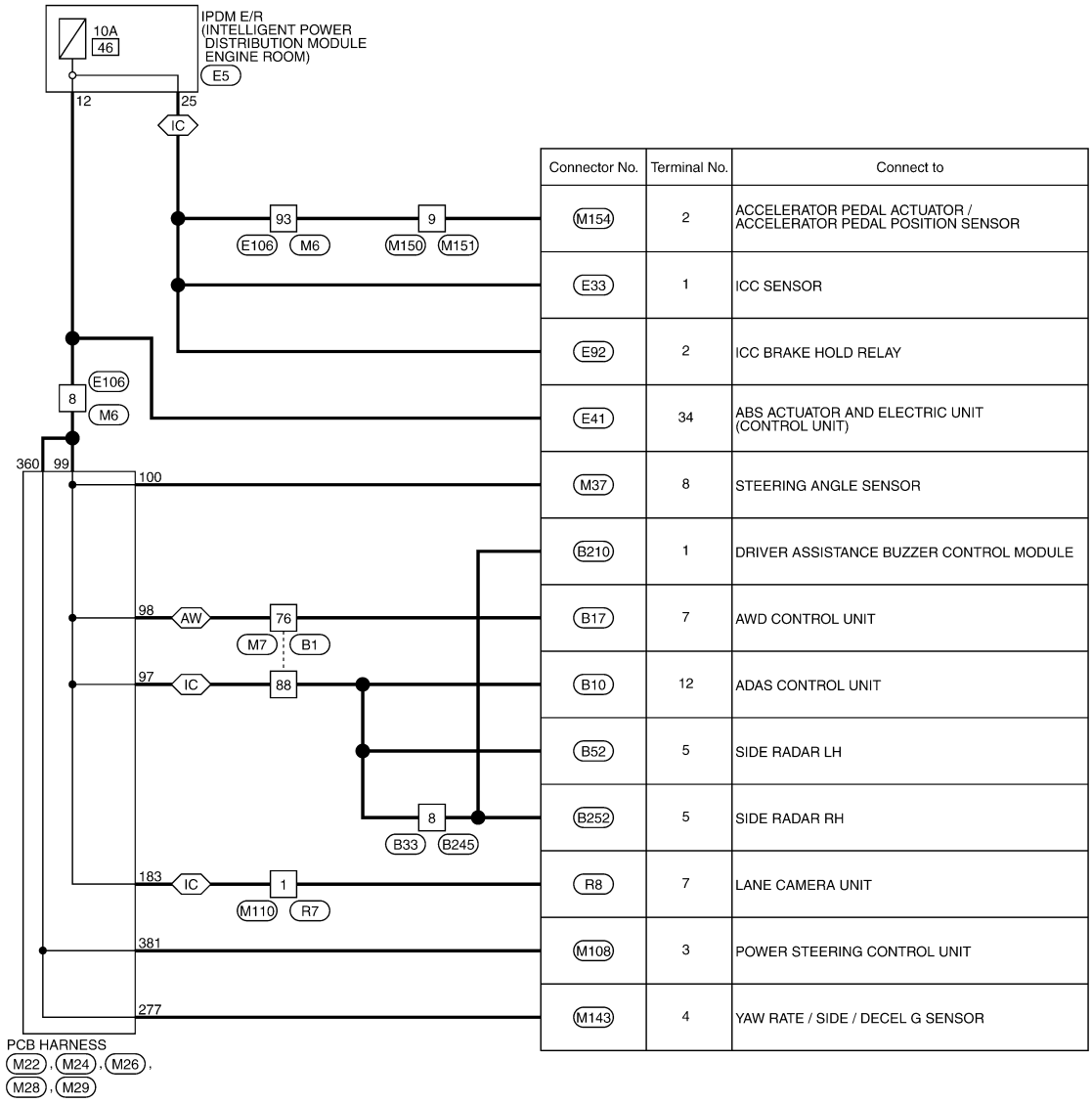
JRMWI6392GB

Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 46 -

INFOID:0000000012349349

IGNITION POWER SUPPLY FUSE No. 46

AW : AWD models
IC : With ICC



Connector No.	Terminal No.	Connect to
M154	2	ACCELERATOR PEDAL ACTUATOR / ACCELERATOR PEDAL POSITION SENSOR
E33	1	ICC SENSOR
E92	2	ICC BRAKE HOLD RELAY
E41	34	ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT)
M37	8	STEERING ANGLE SENSOR
B210	1	DRIVER ASSISTANCE BUZZER CONTROL MODULE
B17	7	AWD CONTROL UNIT
B10	12	ADAS CONTROL UNIT
B52	5	SIDE RADAR LH
B252	5	SIDE RADAR RH
R8	7	LANE CAMERA UNIT
M108	3	POWER STEERING CONTROL UNIT
M143	4	YAW RATE / SIDE / DECEL G SENSOR

2014/07/11

JRMWG1270GB

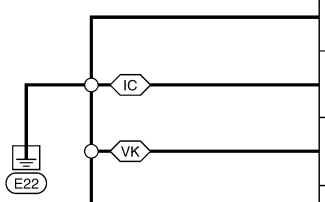
GROUND DISTRIBUTION

Engine Room Harness

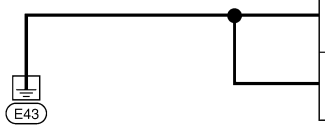
INFOID:0000000012349350

ENGINE ROOM HARNESS

IC : With ICC
AF : With active AFS
VK : VK engine models

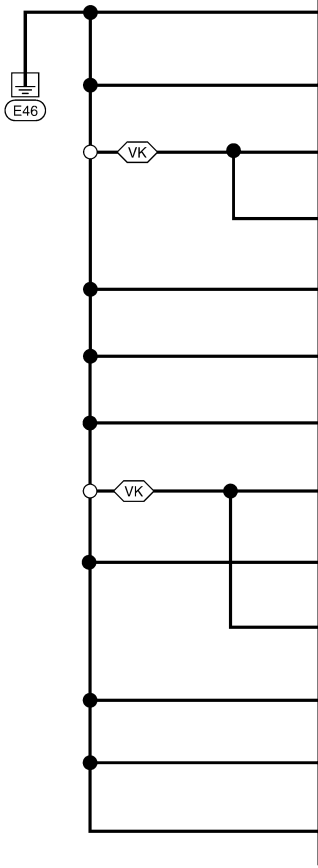


Connector No.	Terminal	Connect to
E15	14	VVEL CONTROL MODULE
E33	8	ICC SENSOR
E35	1	INJECTOR RELAY 1
E42	6	FRONT WIPER MOTOR
E44	4	WIPER REVERSE RELAY
E47	2	BRAKE FLUID LEVEL SWITCH
E48	3	FRONT COMBINATION LAMP LH
E48	4	FRONT COMBINATION LAMP LH
E52	1	SHIFT LOCK RELAY
E62	2	VEHICLE SECURITY HORN
E64	2	FRONT FOG LAMP LH
E65	2	FRONT TURN SIGNAL LAMP LH
E70	11	AFS CONTROL UNIT
E72	2	HORN (HIGH)



Connector No.	Terminal	Connect to
E41	1	ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT)
E41	2	ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT)

JRMWI6399GB



Connector No.	Terminal	Connect to
E5	11	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
E6	41	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
E7	77	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
E19	1	COOLING FAN RELAY 2
E30	1	HOOD SWITCH
E32	2	WASHER LEVEL SWITCH
E34	2	FRONT FOG LAMP RH
E36	1	INJECTOR RELAY 2
E37	1	COOLING FAN CONTROL MODULE 1
E39	1	COOLING FAN CONTROL MODULE 2
E49	3	FRONT COMBINATION LAMP RH
E49	4	FRONT COMBINATION LAMP RH
E66	2	FRONT TURN SIGNAL LAMP RH

2015/09/02

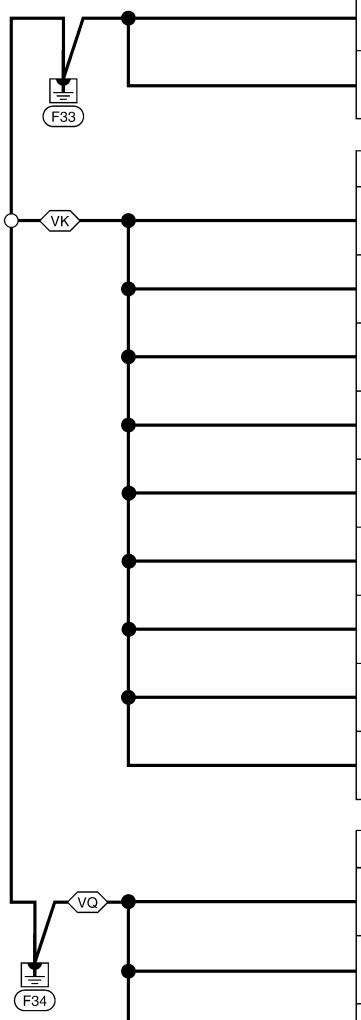
JRMWI6400GB

Engine Control Harness

INFOID:0000000012349351

ENGINE CONTROL HARNESS

VK : VK engine models
VQ : VQ engine models



Connector No.	Terminal	Connect to
F61	5	A/T ASSEMBLY
F61	10	A/T ASSEMBLY

Connector No.	Terminal	Connect to
F41	2	CONDENSER
F91	2	IGNITION COIL NO.1 (WITH POWER TRANSISTOR)
F92	2	IGNITION COIL NO.2 (WITH POWER TRANSISTOR)
F93	2	IGNITION COIL NO.3 (WITH POWER TRANSISTOR)
F94	2	IGNITION COIL NO.4 (WITH POWER TRANSISTOR)
F95	2	IGNITION COIL NO.5 (WITH POWER TRANSISTOR)
F96	2	IGNITION COIL NO.6 (WITH POWER TRANSISTOR)
F97	2	IGNITION COIL NO.7 (WITH POWER TRANSISTOR)
F98	2	IGNITION COIL NO.8 (WITH POWER TRANSISTOR)

Connector No.	Terminal	Connect to
F8	2	CONDENSER
F11	2	IGNITION COIL NO.1 (WITH POWER TRANSISTOR)
F12	2	IGNITION COIL NO.2 (WITH POWER TRANSISTOR)
F13	2	IGNITION COIL NO.3 (WITH POWER TRANSISTOR)
F14	2	IGNITION COIL NO.4 (WITH POWER TRANSISTOR)
F15	2	IGNITION COIL NO.5 (WITH POWER TRANSISTOR)
F16	2	IGNITION COIL NO.6 (WITH POWER TRANSISTOR)

2015/09/02

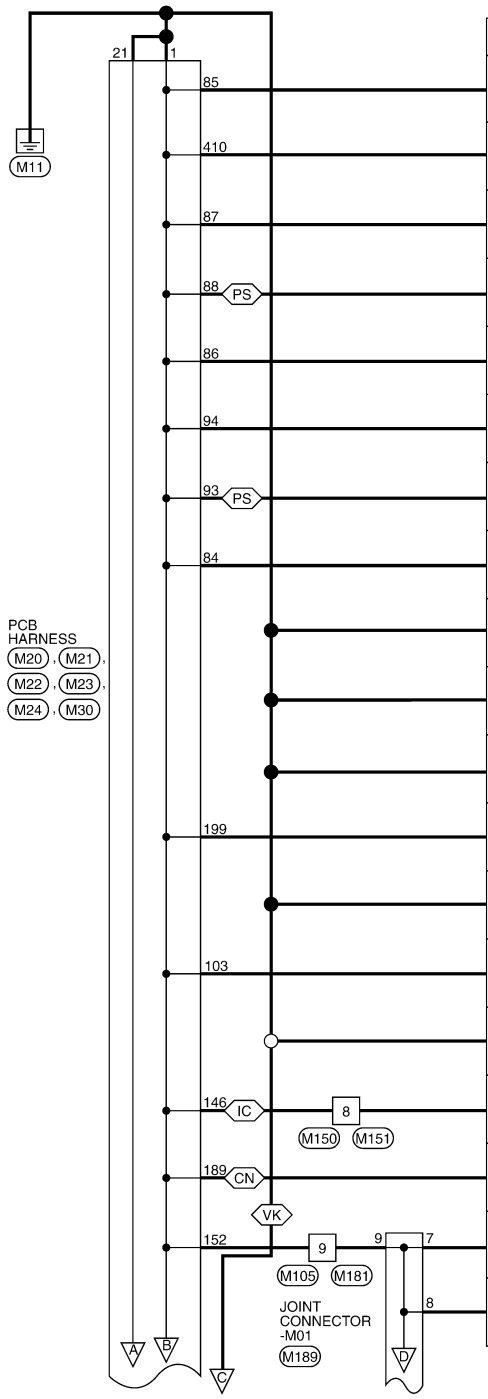
JRMWI6401GB

Main Harness

INFOID:0000000012349352

MAIN HARNESS

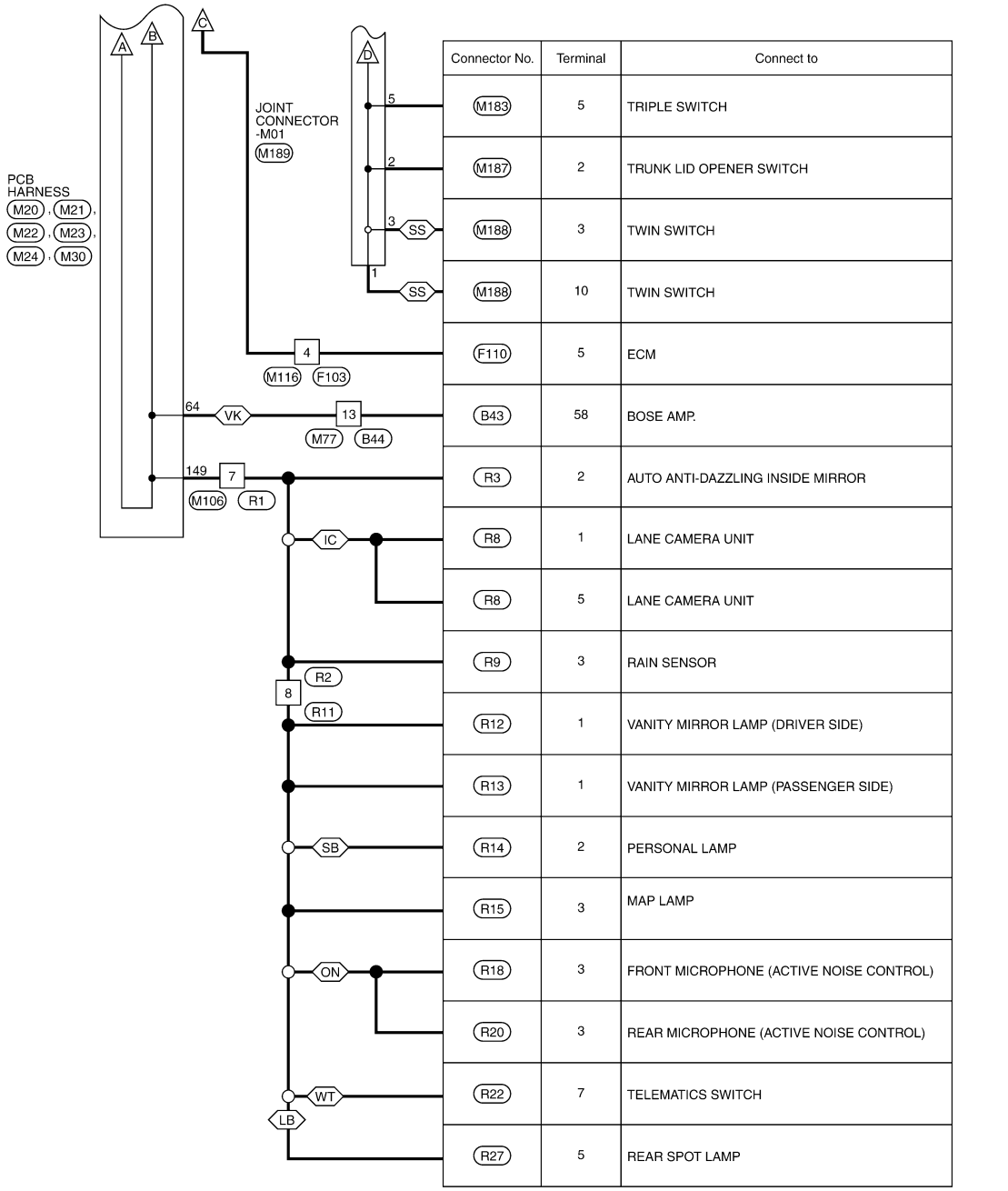
ON : Without NAVI
NV : With NAVI
IC : With ICC
PS : With paddle shifter
FR : With front power socket
CN : For Canada
SS : With heated steering
VK : VK engine models
SB : With personal lamp
LB : With spot lamp
RS : With rear sunshade



Connector No.	Terminal	Connect to
M3	7C	FUSE BLOCK (J/B)
M18	2	TRUNK LID OPENER CANCEL SWITCH
M31	1	TILT & TELESCOPIC SWITCH
M32	1	PADDLE SHIFTER (SHIFT-DOWN)
M33	6	COMBINATION SWITCH
M37	7	STEERING ANGLE SENSOR
M39	1	PADDLE SHIFTER (SHIFT-UP)
M50	1	PUSH-BUTTON IGNITION SWITCH
M52	30	AUTOMATIC DRIVE POSITIONER CONTROL UNIT
M53	12	COMBINATION METER
M53	23	COMBINATION METER
M72	1	MULTIFUNCTION SWITCH
M122	67	BCM (BODY CONTROL MODULE)
M130	4	NATS ANTENNA AMP.
M134	6	OPTION CONNECTOR
M154	7	ACCELERATOR PEDAL ACTUATOR / ACCELERATOR PEDAL POSITION SENSOR
M165	1	DONGLE UNIT
M182	4	DATA LINK CONNECTOR
M182	5	DATA LINK CONNECTOR

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

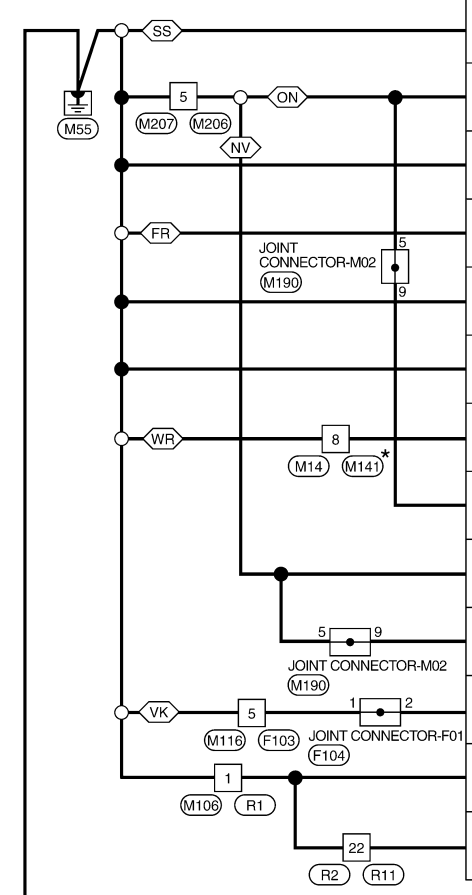
JRMWI6394GB



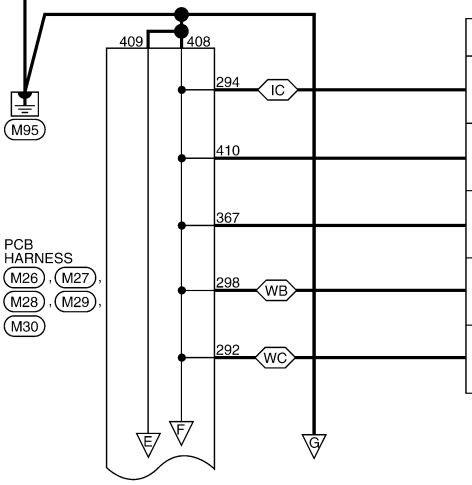
Connector No.	Terminal	Connect to
M183	5	TRIPLE SWITCH
M187	2	TRUNK LID OPENER SWITCH
M188	3	TWIN SWITCH
M188	10	TWIN SWITCH
F110	5	ECM
B43	58	BOSE AMP.
R3	2	AUTO ANTI-DAZZLING INSIDE MIRROR
R8	1	LANE CAMERA UNIT
R8	5	LANE CAMERA UNIT
R9	3	RAIN SENSOR
R12	1	VANITY MIRROR LAMP (DRIVER SIDE)
R13	1	VANITY MIRROR LAMP (PASSENGER SIDE)
R14	2	PERSONAL LAMP
R15	3	MAP LAMP
R18	3	FRONT MICROPHONE (ACTIVE NOISE CONTROL)
R20	3	REAR MICROPHONE (ACTIVE NOISE CONTROL)
R22	7	TELEMATICS SWITCH
R27	5	REAR SPOT LAMP

JRMWI6395GB

WC : With climate controlled seat
FS : With front heated seat
WT : With telematics
WR : With rear control switch
VQ : VQ engine models
MX : For Mexico
ME : Except for Mexico

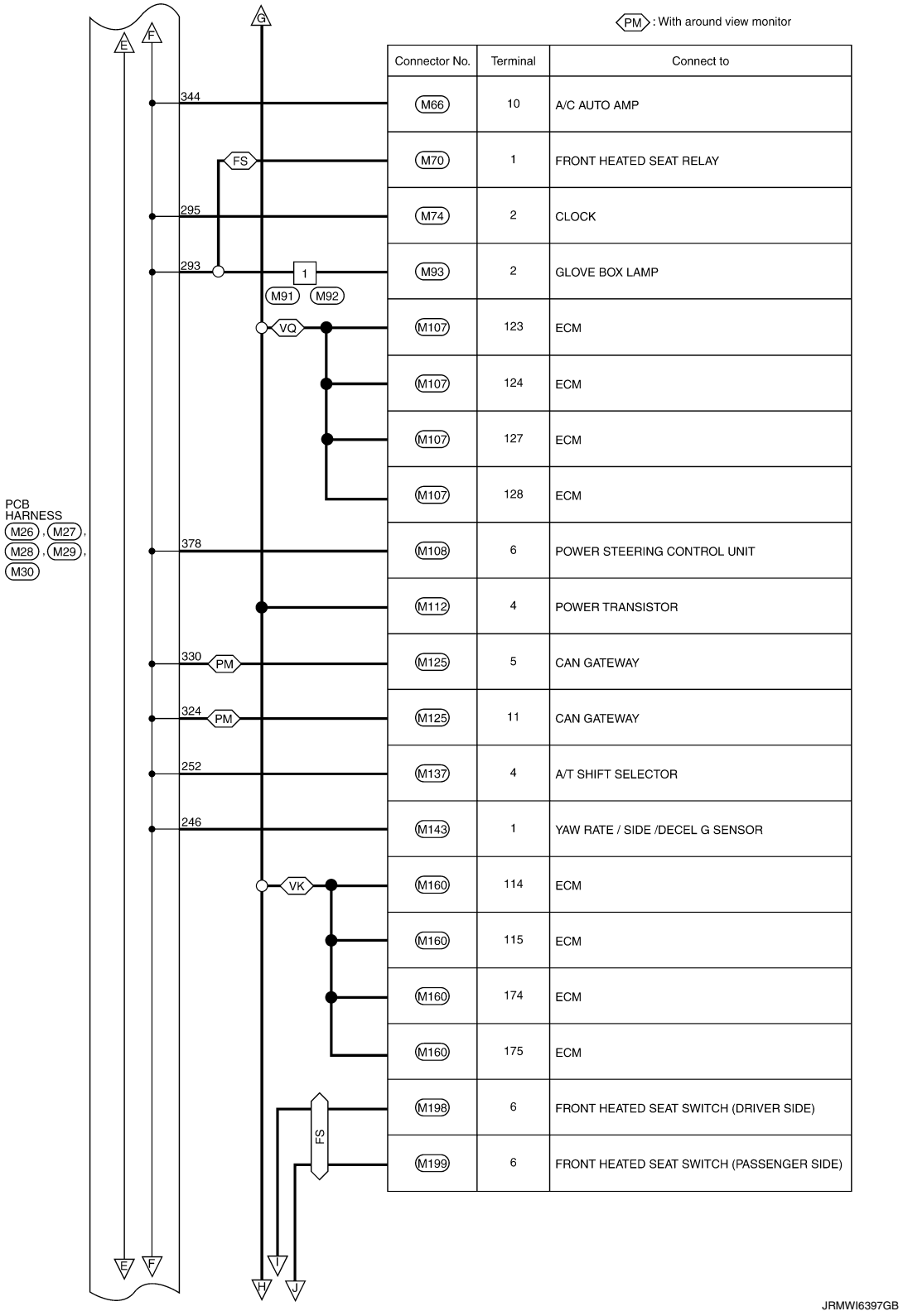


Connector No.	Terminal	Connect to
M71	2	HEATED STEERING WHEEL
M81	20	AV CONTROL UNIT
M132	1	CIGARETTE LIGHTER SOCKET
M133	1	FRONT POWER SOCKET
M147	2	AIR BAG DIAGNOSIS SENSOR UNIT
M148	2	CONSOLE POWER SOCKET
M149*	2	REAR POWER SOCKET
M195	1	DISPLAY UNIT
M208	20	AV CONTROL UNIT
M215	12	DISPLAY UNIT
F110	10	ECM
R4	1	SUNROOF MOTOR ASSEMBLY
R16	1	SUNROOF SWITCH



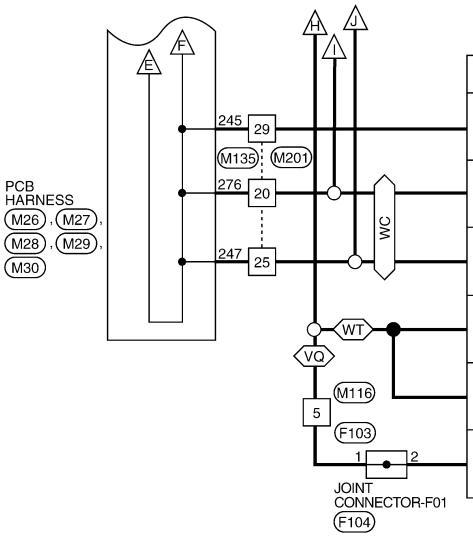
Connector No.	Terminal	Connect to
M17	2	RESISTOR
M18	2	TRUNK LID OPENER CANCEL SWITCH
M43	32	LOW TIRE PRESSURE WARNING CONTROL UNIT
M47	24	SONAR CONTROL UNIT
M61	1	CLIMATE CONTROLLED SEAT RELAY

JRMWI6396GB



Connector No.	Terminal	Connect to
M66	10	A/C AUTO AMP
M70	1	FRONT HEATED SEAT RELAY
M74	2	CLOCK
M93	2	GLOVE BOX LAMP
M107	123	ECM
M107	124	ECM
M107	127	ECM
M107	128	ECM
M108	6	POWER STEERING CONTROL UNIT
M112	4	POWER TRANSISTOR
M125	5	CAN GATEWAY
M125	11	CAN GATEWAY
M137	4	A/T SHIFT SELECTOR
M143	1	YAW RATE / SIDE /DECEL G SENSOR
M160	114	ECM
M160	115	ECM
M160	174	ECM
M160	175	ECM
M198	6	FRONT HEATED SEAT SWITCH (DRIVER SIDE)
M199	6	FRONT HEATED SEAT SWITCH (PASSENGER SIDE)

JRMWI6397GB



Connector No.	Terminal	Connect to
M203	6	DRIVE MODE SELECT SWITCH
M204	6	CLIMATE CONTROLLED SEAT SWITCH (DRIVER SIDE)
M205	6	CLIMATE CONTROLLED SEAT SWITCH (PASSENGER SIDE)
M216	2	TCU
M216	7	TCU
F101	8	ECM

2015/09/02

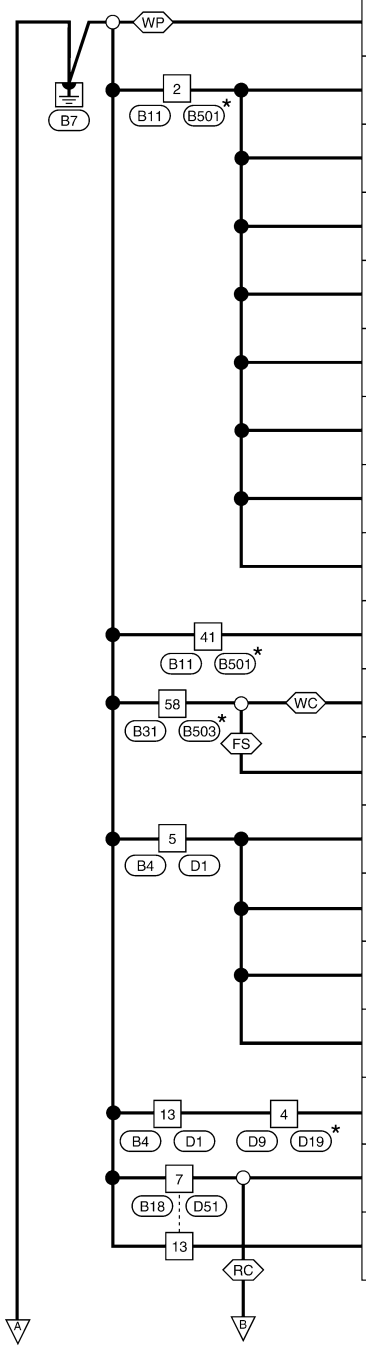
JRMWI6398GB

Body Harness

INFOID:0000000012349353

BODY HARNESS

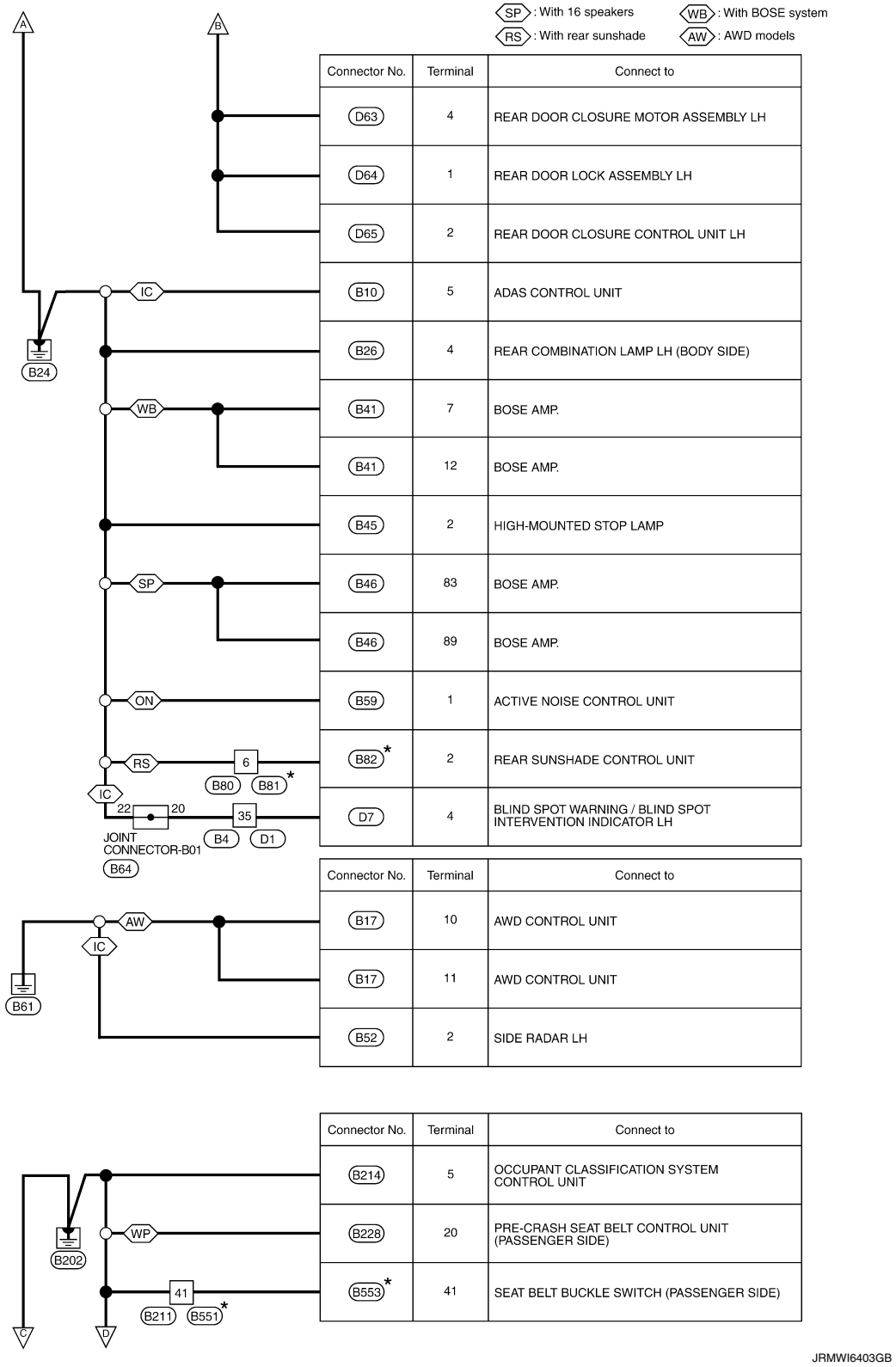
WP : With pre-crash seat belt system
WC : With climate controlled seat
RC : For rear door closure models
FS : With front heated seat
IC : With ICC
ON : Without NAVI



Connector No.	Terminal	Connect to
B65	20	PRE-CRASH SEAT BELT CONTROL UNIT (DRIVER SIDE)
B507*	43	RECLINING MOTOR
B510*	44	LIFTING MOTOR (REAR)
B512*	45	LIFTING MOTOR (FRONT)
B513*	2	DRIVER SEAT CONTROL UNIT
B515*	83	LIFTING SENSOR CONTROL UNIT
B516*	37	LUMBAR SUPPORT SWITCH
B518*	2	POWER SEAT SWITCH
B519*	42	SLIDING MOTOR
B523*	41	SEAT BELT BUCKLE SWITCH (DRIVER SIDE)
B528*	58	CLIMATE CONTROLLED SEAT CONTROL UNIT
B534*	74	FRONT SEAT CUSHION HEATER
D3	19	DOOR MIRROR (DRIVER SIDE)
D5	4	SEAT MEMORY SWITCH
D15	4	FRONT DOOR LOCK ASSEMBLY (DRIVER SIDE)
D17	2	FRONT OUTSIDE HANDLE ASSEMBLY LH
D22*	7	POWER WINDOW MAIN SWITCH
D54	11	REAR POWER WINDOW SWITCH LH
D58	2	ASHTRAY ILLUMINATION (REAR LH)

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

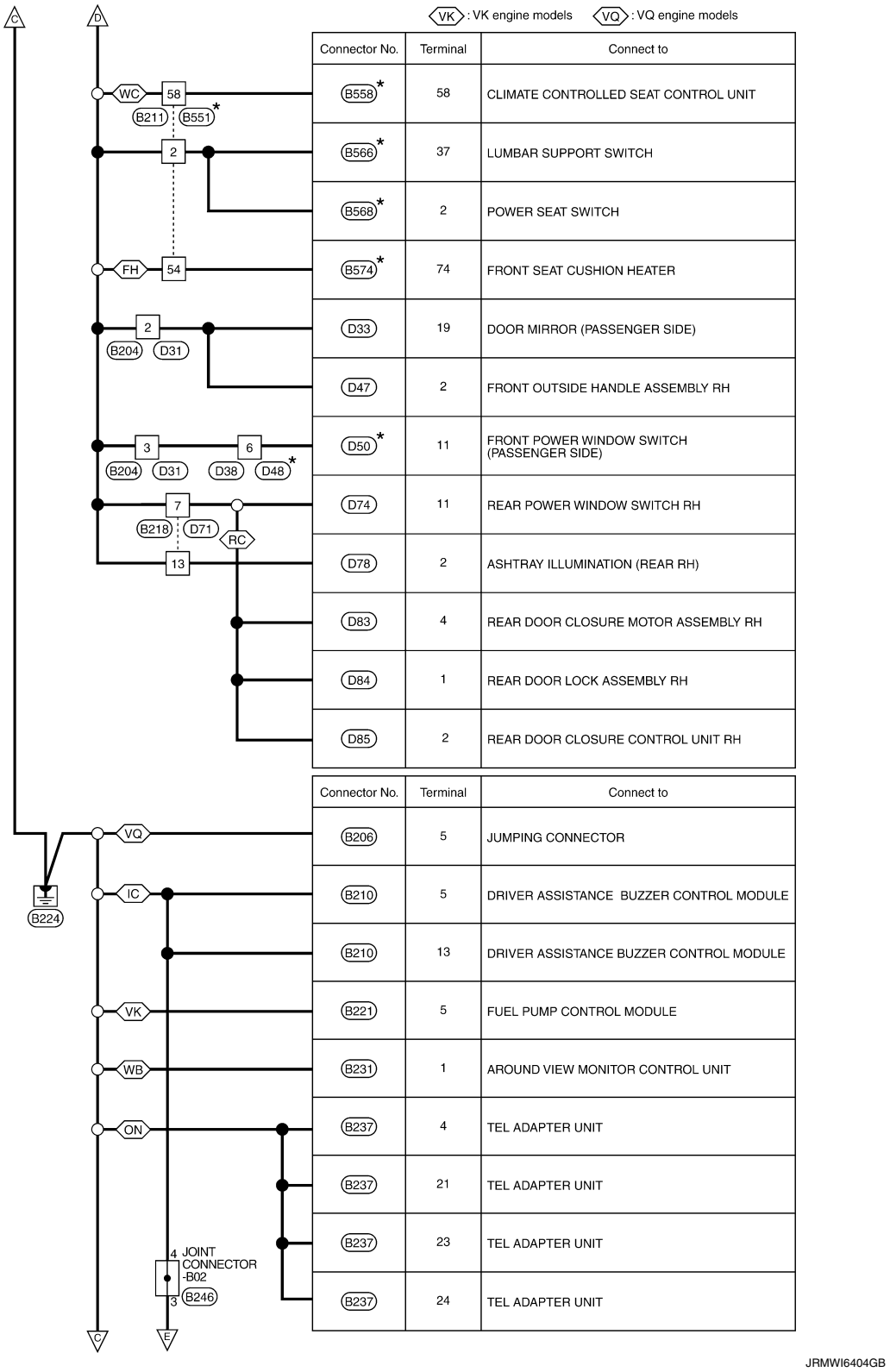
JRMWI6402GB



Connector No.	Terminal	Connect to
D63	4	REAR DOOR CLOSURE MOTOR ASSEMBLY LH
D64	1	REAR DOOR LOCK ASSEMBLY LH
D65	2	REAR DOOR CLOSURE CONTROL UNIT LH
B10	5	ADAS CONTROL UNIT
B26	4	REAR COMBINATION LAMP LH (BODY SIDE)
B41	7	BOSE AMP.
B41	12	BOSE AMP.
B45	2	HIGH-MOUNTED STOP LAMP
B46	83	BOSE AMP.
B46	89	BOSE AMP.
B59	1	ACTIVE NOISE CONTROL UNIT
B82*	2	REAR SUNSHADE CONTROL UNIT
D7	4	BLIND SPOT WARNING / BLIND SPOT INTERVENTION INDICATOR LH

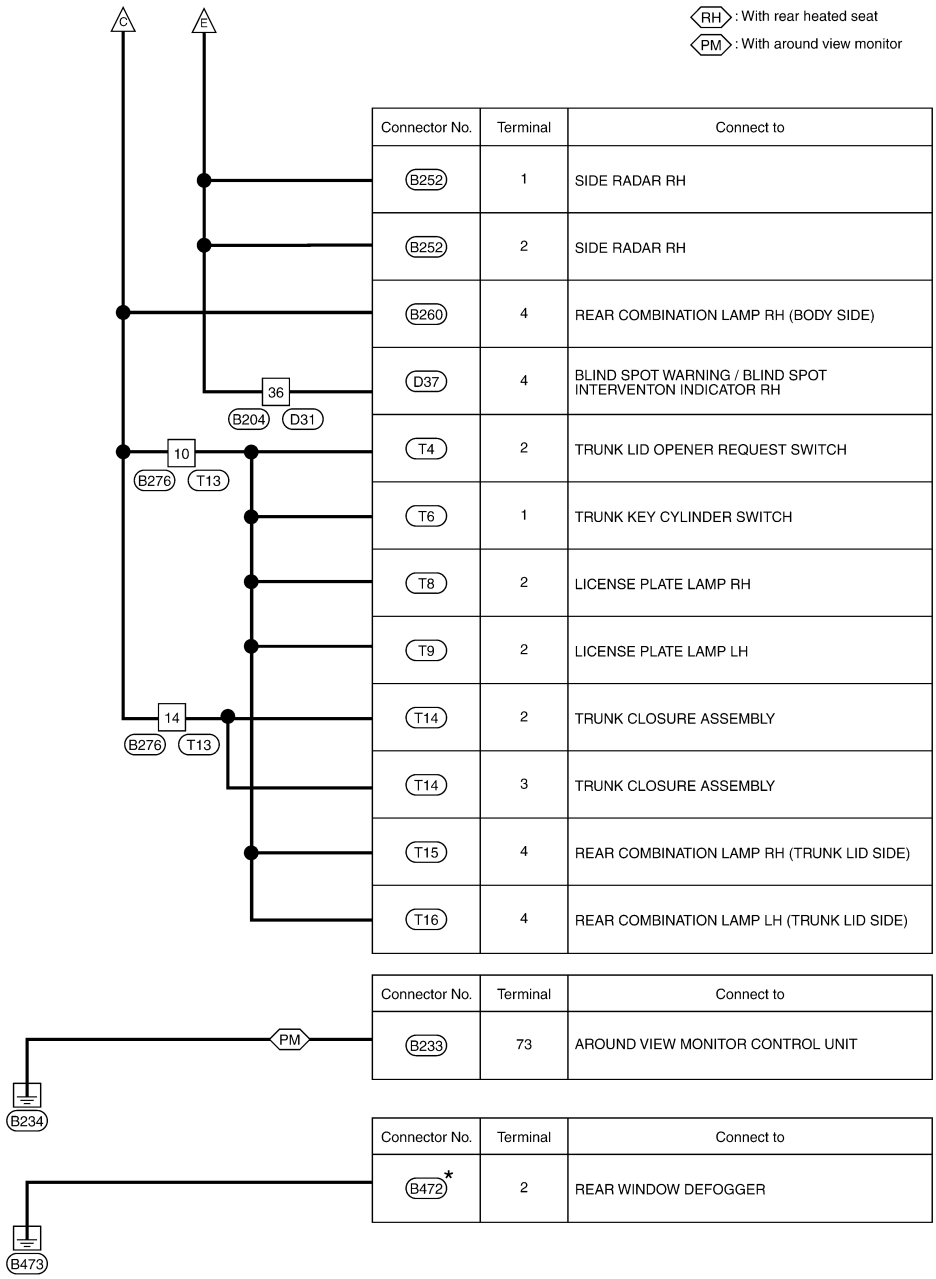
Connector No.	Terminal	Connect to
B17	10	AWD CONTROL UNIT
B17	11	AWD CONTROL UNIT
B52	2	SIDE RADAR LH

Connector No.	Terminal	Connect to
B214	5	OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT
B228	20	PRE-CRASH SEAT BELT CONTROL UNIT (PASSENGER SIDE)
B553*	41	SEAT BELT BUCKLE SWITCH (PASSENGER SIDE)



Connector No.	Terminal	Connect to
B558*	58	CLIMATE CONTROLLED SEAT CONTROL UNIT
B566*	37	LUMBAR SUPPORT SWITCH
B568*	2	POWER SEAT SWITCH
B574*	74	FRONT SEAT CUSHION HEATER
D33	19	DOOR MIRROR (PASSENGER SIDE)
D47	2	FRONT OUTSIDE HANDLE ASSEMBLY RH
D50*	11	FRONT POWER WINDOW SWITCH (PASSENGER SIDE)
D74	11	REAR POWER WINDOW SWITCH RH
D78	2	ASHTRAY ILLUMINATION (REAR RH)
D83	4	REAR DOOR CLOSURE MOTOR ASSEMBLY RH
D84	1	REAR DOOR LOCK ASSEMBLY RH
D85	2	REAR DOOR CLOSURE CONTROL UNIT RH

Connector No.	Terminal	Connect to
B206	5	JUMPING CONNECTOR
B210	5	DRIVER ASSISTANCE BUZZER CONTROL MODULE
B210	13	DRIVER ASSISTANCE BUZZER CONTROL MODULE
B221	5	FUEL PUMP CONTROL MODULE
B231	1	AROUND VIEW MONITOR CONTROL UNIT
B237	4	TEL ADAPTER UNIT
B237	21	TEL ADAPTER UNIT
B237	23	TEL ADAPTER UNIT
B237	24	TEL ADAPTER UNIT



Connector No.	Terminal	Connect to
B252	1	SIDE RADAR RH
B252	2	SIDE RADAR RH
B260	4	REAR COMBINATION LAMP RH (BODY SIDE)
D37	4	BLIND SPOT WARNING / BLIND SPOT INTERVENTON INDICATOR RH
T4	2	TRUNK LID OPENER REQUEST SWITCH
T6	1	TRUNK KEY CYLINDER SWITCH
T8	2	LICENSE PLATE LAMP RH
T9	2	LICENSE PLATE LAMP LH
T14	2	TRUNK CLOSURE ASSEMBLY
T14	3	TRUNK CLOSURE ASSEMBLY
T15	4	REAR COMBINATION LAMP RH (TRUNK LID SIDE)
T16	4	REAR COMBINATION LAMP LH (TRUNK LID SIDE)

Connector No.	Terminal	Connect to
B233	73	AROUND VIEW MONITOR CONTROL UNIT

Connector No.	Terminal	Connect to
B472*	2	REAR WINDOW DEFOGGER

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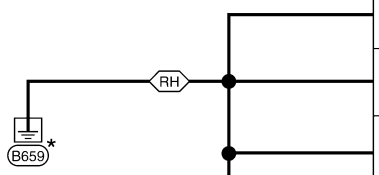

Connector No.	Terminal	Connect to
B643*	2	REAR SEAT CUSHION HEATER LH
B643*	4	REAR SEAT CUSHION HEATER LH
B645*	2	REAR SEAT BACK HEATER RH
B646*	2	REAR SEAT BACK HEATER LH
B647*	16	REAR HEATED SEAT CONTROL UNIT
B649*	6	REAR HEATED SEAT SWITCH RH
B679*	6	REAR HEATED SEAT SWITCH LH

2015/09/02

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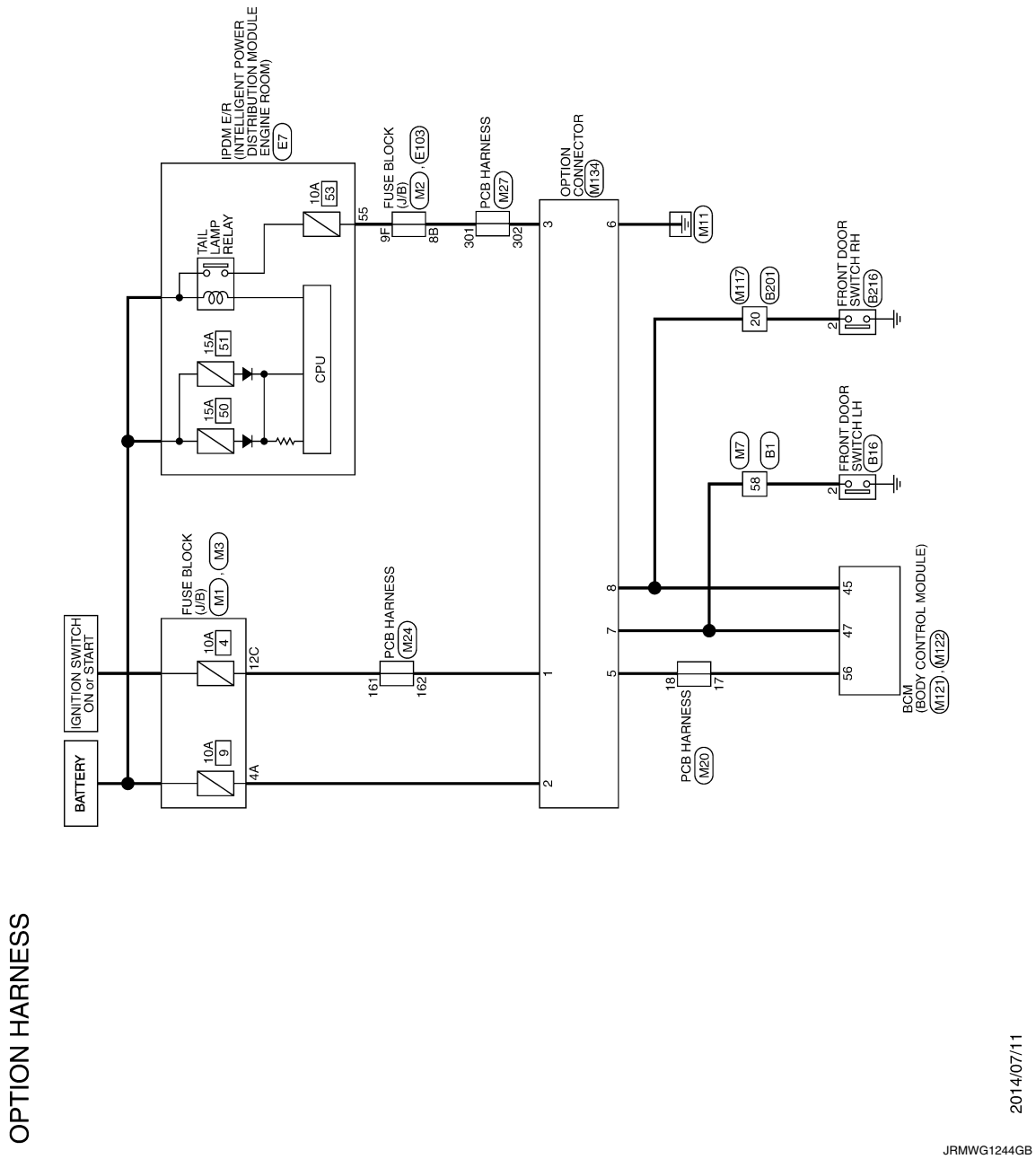
OPTION HARNESS

Wiring Diagram

INFOID:0000000012349354

OPTION HARNESS



OPTION HARNESS

2014/07/11

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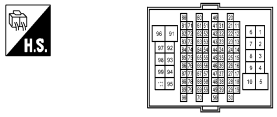
OPTION HARNESS

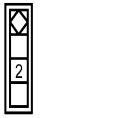
OPTION HARNESS

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



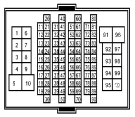
Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	W	-
4	LG	-
5	P	-
7	GR	-
8	Y	-
9	LG	-
10	V	-
11	GR	- [With climate controlled seat]
11	L	- [With heated seat]
12	GR	- [With heated seat]
12	P	- [With climate controlled seat]
13	BR	-
14	R	-
15	O	-
16	V	-
17	B	-
18	R	-
19	W	-
20	L	-
21	B	-
22	LG	-
23	V	-
24	Y	-
25	G	-
26	GR	-
27	SB	-
28	I/O	-
29	W/L	-
30	SHIELD	-
32	L	-
33	R	-
36	G	-
37	SB	-
40	SHIELD	-
41	GR/V	-
42	W/L	-
43	L	-
44	B	-
47	O	-
48	Y	-
49	BR	-
50	SB	-
51	V	-
52	LG	-
53	G	-
56	P	-
57	BR	-
58	LG	-
59	Y	-
60	W	-
61	B	-
62	LG	-
63	V	-
65	O	-
66	BR	-
67	V	-
68	LG	-
69	GR	-
70	R	-
72	L	-
73	P	-
74	L	-
75	P	-
76	Y	-
77	R	-
78	W	-
79	G	-
81	LG	-
82	BR	-
83	SB	-
84	Y	-
85	W	-
86	R	-
87	G	-
88	GR	-
91	SB	-
92	G	-
96	Y	-
97	O	-
98	SB	-
99	LG	-

Connector No.	B16
Connector Name	FRONT DOOR SWITCH LH
Connector Type	A03FW



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

Connector No.	B201
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4

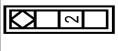


Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
3	R	-
6	R	-
7	W	-
8	V	-
11	R	-
12	G	-
13	Y	-
14	L	-
15	R	- [Without ADAS]
15	Y	- [With ADAS]
17	GR	-
18	P	-
19	BR	-
20	GR	-
21	Y	-
22	GR	-
23	R	-
24	V	-
25	B	-
26	W	-
27	O	-
28	V	-
29	P	-
30	O	-
31	B/R	-
32	Y	-
40	SHIELD	-
41	W/R	-
42	V	-
45	SB	-
46	R	- [With climate controlled seat]
46	Y	- [With heated seat]
47	G	- [With climate controlled seat]
47	GR	- [With heated seat]
48	V	-
49	O	-
50	R	-
51	GR	-
52	LG	-
53	P	-
56	P	-
57	W	-
58	O	-
59	Y	-
61	SB	-
62	L	-
63	W	-
64	SB	-
65	LG	-
66	L	-
67	Y	-
68	SB	-
69	B	-
71	L	-
72	L	-
73	R	-
74	B	-
75	L	-
76	SHIELD	-
77	G	-
78	R	-
79	P	-
80	G	-
81	O	-
82	BR	-
83	GR	-

OPTION HARNESS

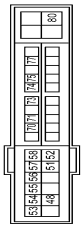
84	V	-
85	LG	-
86	W	-
87	O	-
88	Y	-
89	BR	-
90	L	-
91	BR	-
93	O	- [With heated seat]
93	Y	- [With climate controlled seat]
94	GR	-
96	W	-
97	P	-
98	LG	-
99	LG	-
100	Y	-

Connector No.	B216
Connector Name	FRONT DOOR SWITCH RH
Connector Type	A03FW



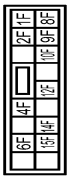
Terminal No.	Color Of Wire	Signal Name [Specification]
2	GR	-

Connector No.	E7
Connector Name	POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	TH20FW-CS12-M4



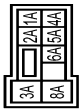
Terminal No.	Color Of Wire	Signal Name [Specification]
48	P	DTRL_DEICER
51	O	WASH_MTR
52	G	INJECTOR_#1
53	L	FR_WIPER_HI
54	P	FR_WIPER_LO
55	R	TAIL/ILLUMI
56	GR	O2_SENS_#1
57	V	O2_SENS_#2
58	BR	AT_ECU
70	LG	SSOFF
71	O	MOTRLY
73	G	START_JG-E/R
74	R	START_JG-EGI
75	Y	OIL_PRESSURE_SW
77	B	FPR
80	W	STARTER_MOTOR

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



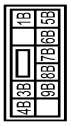
Terminal No.	Color Of Wire	Signal Name [Specification]
10F	GR	-
12F	Y	-
14F	W	-
15F	V	-
1F	SB	-
2F	LG	-
4F	G	-
6F	O	-
8F	BR	-
9F	R	-

Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS06FW-M2



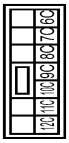
Terminal No.	Color Of Wire	Signal Name [Specification]
1A	R	-
2A	W	-
3A	Y	-
4A	W	-
5A	V	-
6A	Y	-
8A	Y	-

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



Terminal No.	Color Of Wire	Signal Name [Specification]
1B	R	-
3B	P	-
4B	G	-
5B	SB	-
6B	W	- [With VQ37 engine]
6B	Y	- [With VK56 engine]
7B	Y	-
8B	R	-
9B	R	-

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



Terminal No.	Color Of Wire	Signal Name [Specification]
10C	LG	-
11C	LG	-
12C	O	-
6C	R	-
7C	B	-
8C	B	-
9C	L	-

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

Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	-
2	Y	-
4	BR	-
5	P	-
7	G	-
8	Y	-
9	G	-
10	V	-
11	L	- [With heated seat]
11	V	- [With climate controlled seat]
12	GR	- [With heated seat]
12	P	- [With climate controlled seat]
13	BR	-

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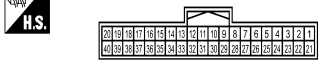
14	GR	-
15	BG	-
16	V	-
17	BG	-
18	L	- [Without CAN gateway]
18	Y	- [With CAN gateway]
19	W	-
20	L	-
21	B	-
22	LG	-
23	W	-
24	V	-
25	G	-
26	BR	-
27	SB	-
28	P	-
29	L	-
30	SHIELD	-
32	L	-
33	P	-
36	BG	-
37	SB	-
41	SB	-
42	V	-
43	L	-
44	B	-
47	L	-
48	LG	-
49	BR	-
50	V	-
51	V	-
52	P	-
53	BG	-
56	SB	-
57	P	-
58	LG	-
59	Y	-
60	GR	-
61	B	-
62	LG	-
63	BR	-
65	W	-
66	R	-
67	V	-
68	LG	-
69	SB	-
70	V	-
72	L	-
73	P	-
74	L	-

75	P	-
76	G	-
77	Y	-
78	SB	-
79	W	-
81	LG	-
82	BR	-
83	BG	-
84	B	-
85	W	-
86	G	-
87	R	-
88	G	-
91	W	-
92	G	-
96	W	-
97	BG	-
98	Y	-
99	LG	-

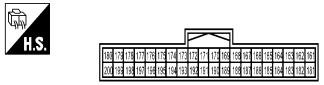
Connector No.	M20
Connector Name	PCB HARNESS
Connector Type	TH40FB-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
2	B	-
3	Y	-
4	G	-
5	R	-
6	W	-
11	BR	-
12	R	-
15	B	-
16	SHIELD	-
17	R	-
18	P	-
19	W	-
21	B	-
22	R	- [With ICC]

22	Y	- [Without ICC]
23	L	- [With ICC]
23	SB	- [Without ICC]
24	L	-
27	P	-
31	V	-
33	V	-
35	L	-
36	P	-
38	L	-
40	Y	-

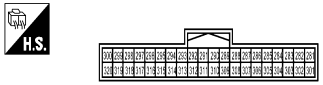
Connector No.	M24
Connector Name	PCB HARNESS
Connector Type	TH40FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
161	BG	-
162	BG	-
164	V	-
165	V	-
166	R	-
167	LG	-
169	R	-
171	BG	-
172	B	-
174	W	-
176	L	-
177	P	-
178	Y	-
179	L	-
180	LG	-
182	BR	- [With VQ37 engine or with VK56 engine without ICC]
182	R	- [With VK56 engine with ICC]
183	G	-
184	V	-
185	P	-
186	R	-
187	L	- [Without CAN gateway]
187	Y	- [With CAN gateway]

188	L	-
189	B	-
190	V	-
191	LG	-
192	B	-
193	SB	-
194	BR	-
195	SB	-
198	R	-
199	B	-
200	SB	-

Connector No.	M27
Connector Name	PCB HARNESS
Connector Type	TH40FB-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
281	O	-
282	BG	-
283	BG	-
284	BG	-
286	W	-
287	Y	-
288	W	-
289	SHIELD	-
290	B	-
291	SHIELD	-
292	B	-
293	B	-
294	B	-
295	B	-
296	GR	-
297	B	-
298	B	-
299	L	-
300	W	-
301	R	-
302	R	-
303	R	-
304	SHIELD	-

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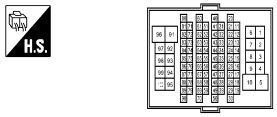
OPTION HARNESS

OPTION HARNESS

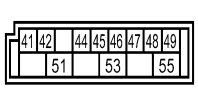
305	P	-
306	V	-
309	G	-
310	R	-
311	W	-
312	B	-
313	B	-
314	Y	-
315	G	-
316	R	-
317	W	-
318	SHIELD	-
319	V	-
320	W	-

Connector No.	M117
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4



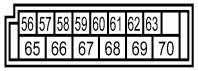
Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
3	Y	-
6	R	-
7	W	-
8	V	-
11	R	-
12	G	-
13	W	-
14	L	-
15	R	- [Without ADAS]
15	Y	- [With ADAS]
17	GR	-
18	P	-
19	BR	-
20	GR	-
21	Y	-
22	LG	-
23	R	-
24	BG	-
25	BG	-
26	W	-
27	R	-
28	V	-
29	P	-
30	B	-
31	G	-
32	Y	-
40	SHIELD	-
41	R	-
42	V	-
45	SB	-
46	BG	- [With heated seat]
46	L	- [With climate controlled seat]
47	G	- [With climate controlled seat]
47	GR	- [With heated seat]
48	V	-
49	BG	-
50	LG	-
51	SB	-
52	Y	-
53	W	-
56	B	-
57	G	-
58	R	-
59	W	-
61	LG	-
62	V	-
63	R	-
64	SB	-
65	LG	-
66	L	-
67	Y	-
68	SB	-
69	B	-
71	L	-
72	L	-
73	P	-
74	B	-
75	L	-
76	SHIELD	-
77	G	-
78	R	-
79	L	-
80	G	-
81	BG	-
82	BR	-
83	GR	-
84	V	-
85	LG	-
86	V	-
87	R	-
88	Y	-
89	BR	-
90	L	-
91	Y	-
93	G	- [With heated seat]
93	W	- [With climate controlled seat]
94	V	-
96	W	-
97	Y	-
98	BR	-
99	G	-
100	Y	-

Connector No.	M121
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	FEA09FB-FHA6-SA



Terminal No.	Color Of Wire	Signal Name [Specification]
41	W	TR KEY CYLINDER SW
42	R	TRUNK LID OPEN/CLOSE STATUS
44	V	TR LID OP CANCEL SW
45	GR	PASSENGER DOOR SW
46	BR	REAR RH DOOR SW
47	LG	DRIVER DOOR SW
48	P	REAR LH DOOR SW
49	SB	TR ROOM LAMP CONT
51	BG	TR LID OPEN REQ SW
53	LG	TRUNK LID OPEN REQUEST
55	BR	RR DOOR UNLK OUTPUT

Connector No.	M122
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	FEA09FW-FHA6-SA



Terminal No.	Color Of Wire	Signal Name [Specification]
56	R	INT ROOM LAMP PWR SPLY
57	R	BAT (FUSE)
58	L	AIR BAG SIGNAL
59	G	PASS DOOR UNLK OUTPUT
60	G	TURN SIG LH OUTPUT (SIDE, REAR)
61	V	TURN SIG RH OUTPUT (SIDE, REAR)
62	V	STEP LAMP CONT
63	L	ROOM LAMP TIMER CONT
65	V	ALL DOOR, FL LID LOCK OUTPUT
66	LG	DR DOOR, FL LID UNLK OUTPUT
67	B	GND
68	O	PW PWR SPLY (IGN)
69	Y	PW PWR SPLY (BAT)
70	W	BAT (F/L)

Connector No.	M134
Connector Name	OPTION CONNECTOR
Connector Type	TH08FW-NH

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

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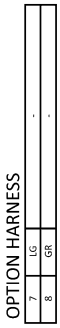

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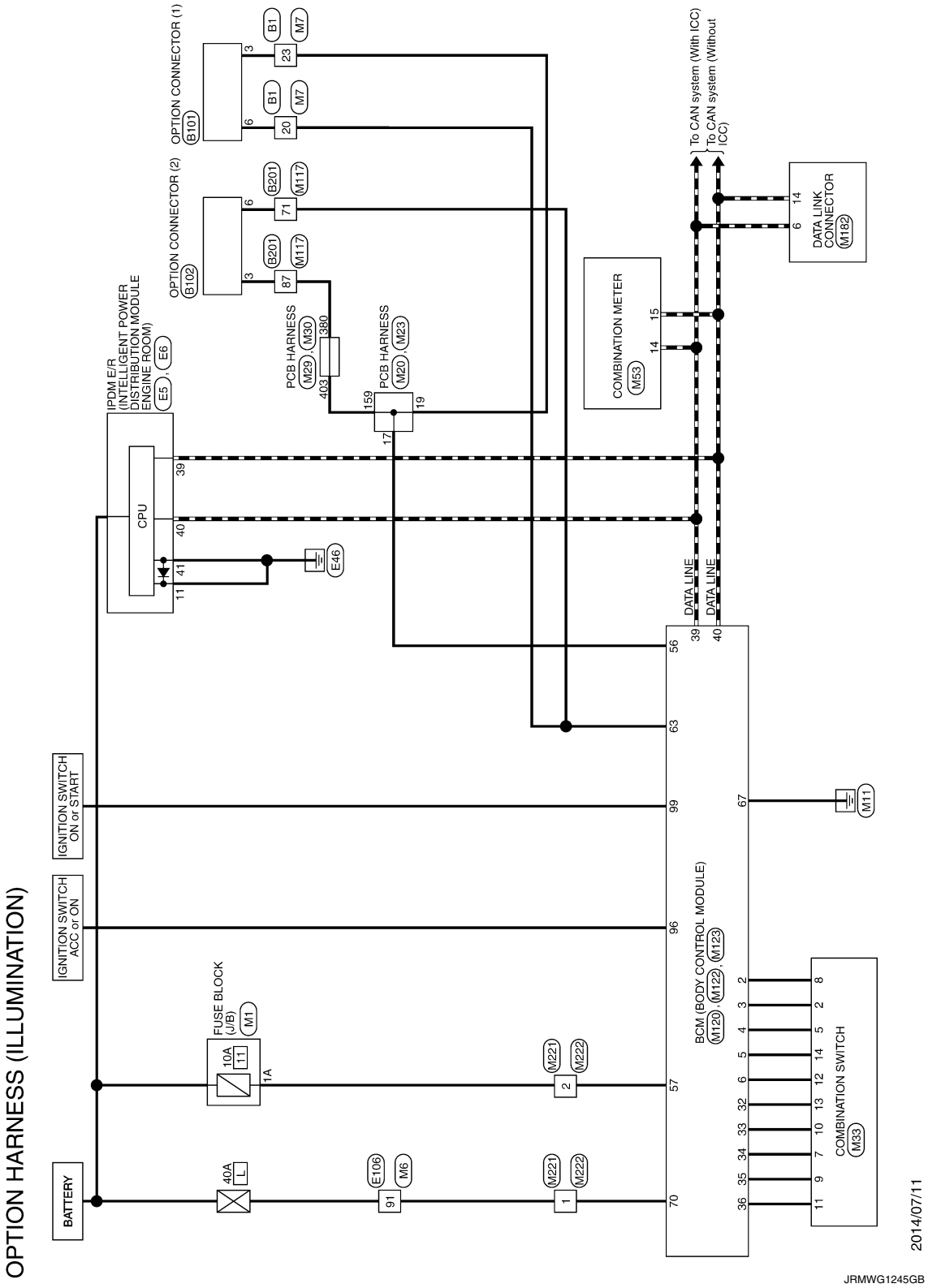
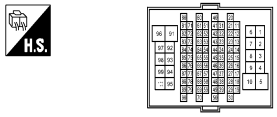
OPTION HARNESS (ILLUMINATION)



OPTION HARNESS

OPTION HARNESS (ILLUMINATION)

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



Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	W	-
4	LG	-
5	P	-
7	GR	-
8	Y	-
9	LG	-
10	V	-
11	GR	- [With climate controlled seat]
11	L	- [With heated seat]
12	GR	- [With heated seat]
12	P	- [With climate controlled seat]
13	BR	-
14	R	-
15	O	-
16	V	-
17	B	-
18	R	-
19	W	-
20	L	-
21	B	-
22	LG	-
23	V	-
24	Y	-
25	G	-
26	GR	-
27	SB	-
28	I/O	-
29	W/L	-
30	SHIELD	-
32	L	-
33	R	-
36	G	-
37	SB	-
40	SHIELD	-
41	GR/V	-
42	W/L	-
43	L	-
44	B	-
47	O	-
48	Y	-
49	BR	-
50	SB	-
51	V	-
52	LG	-
53	G	-
56	P	-
57	BR	-
58	LG	-
59	Y	-
60	W	-
61	B	-
62	LG	-
63	V	-
65	O	-
66	BR	-
67	V	-
68	LG	-
69	GR	-
70	R	-
72	L	-
73	P	-
74	L	-
75	P	-
76	Y	-
77	R	-
78	W	-
79	G	-
81	LG	-
82	BR	-
83	SB	-
84	Y	-
85	W	-
86	R	-
87	G	-
88	GR	-
91	SB	-
92	G	-
96	Y	-
97	O	-
98	SB	-
99	LG	-

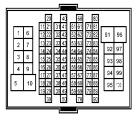
Connector No.	B101
Connector Name	OPTION CONNECTOR 1
Connector Type	TH04MW-NH

Terminal No.	Color Of Wire	Signal Name [Specification]
3	V	-
6	L	-

Connector No.	B102
Connector Name	OPTION CONNECTOR 2
Connector Type	TH04MW-NH

Terminal No.	Color Of Wire	Signal Name [Specification]
3	O	-
6	L	-

Connector No.	B201
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4



Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
3	R	-
6	R	-
7	W	-
8	V	-
11	R	-
12	G	-
13	Y	-
14	L	-
15	R	- [Without ADAS]
15	Y	- [With ADAS]
17	GR	-
18	P	-
19	BR	-
20	GR	-
21	Y	-
22	GR	-
23	R	-
24	V	-
25	B	-
26	W	-
27	O	-
28	V	-
29	P	-
30	O	-
31	B/R	-
32	Y	-
40	SHIELD	-
41	W/R	-
42	V	-
45	SB	-
46	R	- [With climate controlled seat]
46	Y	- [With heated seat]
47	G	- [With climate controlled seat]
47	GR	- [With heated seat]

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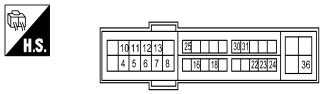
OPTION HARNESS

OPTION HARNESS (ILLUMINATION)

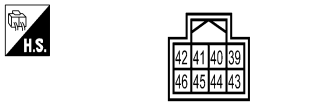
48	V	-
49	O	-
50	R	-
51	GR	-
52	LG	-
53	P	-
56	P	-
57	W	-
58	O	-
59	Y	-
61	SB	-
62	L	-
63	W	-
64	SB	-
65	LG	-
66	L	-
67	Y	-
68	SB	-
69	B	-
71	L	-
72	L	-
73	R	-
74	B	-
75	L	-
76	SHIELD	-
77	G	-
78	R	-
79	P	-
80	G	-
81	O	-
82	BR	-
83	GR	-
84	V	-
85	LG	-
86	W	-
87	O	-
88	Y	-
89	BR	-
90	L	-
91	BR	-
93	O	- [With heated seat]
93	Y	- [With climate controlled seat]
94	GR	-
96	W	-
97	P	-
98	LG	-
99	LG	-
100	Y	-

Connector No.	E5
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	TH20FW-CS12-M4-1V



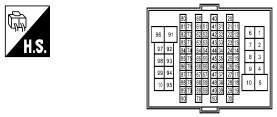
Terminal No.	Color Of Wire	Signal Name [Specification]
4	W	ENG_SOL
5	P	IGN_COIL
6	R	ECM_VB [With VQ37 engine]
6	SB	ECM_VB [With VK56 engine]
7	R	ETC [With VK56 engine]
7	Y	ETC [With VQ37 engine]
8	L/Y	A/C_COMP [With VK56 engine]
8	P	A/C_COMP [With VQ37 engine]
10	V	ECM_BAT
11	B	P-GND
12	G	ABS_ECU
13	GR	FUEL_PUMP [With VQ37 engine]
13	W	FUEL_PUMP [With VK56 engine]
16	V	WIPER_AUTOSTOP
18	Y	IGN_SIGNAL
22	BR	ALT-C
23	P	DTRL_RLY
24	O	HOOD_SW
25	LG	SUB_ECU
30	BR	PUSH_START_SW
31	BR	NP_SW [With VK56 engine]
31	W	NP_SW [With VQ37 engine]
36	GR	F/L_IGN_SW

Connector No.	E6
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	TH08FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
39	P	CAN-L
40	L	CAN-H
41	B	S-GND
42	V	MOTOR_FAN_RLY_CONT [With VK56 engine]
42	Y	MOTOR_FAN_RLY_CONT [With VQ37 engine]
43	SB	DETENT_SW
44	GR	HORN_RLY [With VK56 engine]
44	LG	HORN_RLY [With VQ37 engine]
45	G	HORN_SW
46	BR	START_CONT

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



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

11	SB	-
12	L	-
13	GR	-
14	GR	-
15	V	-
16	Y	-
17	GR	-
18	V	-
20	BR	-
21	P	-
22	L	-
23	P	-
27	SHIELD	-
28	L/O	-
29	W/L	-
31	BR	-
32	G	-
33	O	-
34	Y	-
36	G	-
37	V	-
41	BR	-
44	W	-
45	L	-
46	GR	-
47	V	-
48	G	-
49	O	-
50	LG	-
54	R	-
55	B	-
60	W	-
61	G	-
62	Y	-
63	BR	-
64	B	-
65	Y	-
66	R	-
67	SB	-
68	G	-
69	SHIELD	-
70	W	-
71	W	-
72	R	-
73	G	-
74	Y	-
75	B	-
76	SHIELD	-
77	O	-
78	SB	-

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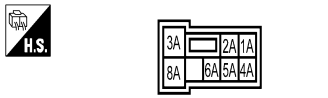
OPTION HARNESS

OPTION HARNESS (ILLUMINATION)

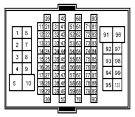
80	V	-
82	SB	-
83	GR	-
84	Y	-
85	Y	-
86	L	-
87	V	-
88	BR	-
89	LG	-
90	W	-
91	W	-
92	P	-
93	LG	-
94	BR	-
95	W	-
97	R	-
98	Y	-
99	V	-
100	V	-

Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS06FW-M2



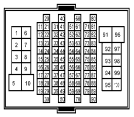
Terminal No.	Color Of Wire	Signal Name [Specification]
1A	R	-
2A	W	-
3A	Y	-
4A	W	-
5A	V	-
6A	Y	-
8A	Y	-

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



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	W	-
3	SB	-
4	LG	-
5	W	-
6	W	-
7	BG	-
8	G	-
9	Y	-
10	W	-
11	R	-
12	V	-
13	LG	-
14	L	-
15	V	-
16	B	-
17	GR	-
18	V	-
20	SB	-
21	BR	-
22	L	-
23	P	-
27	SHIELD	-
28	V	-
29	SB	-
31	BG	-
32	P	-
33	R	-
34	BG	-
36	V	-
37	G	-
41	BR	-
44	BR	-
45	Y	-
46	BG	-
47	V	-
48	G	-
49	BG	-
50	W	-
54	W	-
55	G	-
60	GR	-
61	B	-
62	LG	-
63	BR	-
64	L	- [With ICC]
64	SB	- [Without ICC]
65	R	- [With ICC]
65	Y	- [Without ICC]
66	P	-
67	L	-
68	R	-
69	SHIELD	-
70	B	-
71	W	-
72	R	-
73	G	-
74	Y	-
75	B	-
76	SHIELD	-
77	B	-
78	V	-
80	G	-
82	B	-
83	BG	-
84	SB	-
85	Y	-
86	L	-
87	V	-
88	V	-
89	LG	-
90	BG	-
91	W	-
92	BG	-
93	G	-
94	Y	-
95	W	-
97	SB	-
98	R	-
99	W	-
100	L	-

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



Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	-
2	Y	-
4	BR	-
5	P	-
7	G	-
8	Y	-
9	G	-
10	V	-
11	L	- [With heated seat]
11	V	- [With climate controlled seat]
12	GR	- [With heated seat]
12	P	- [With climate controlled seat]
13	BR	-
14	GR	-
15	BG	-
16	V	-
17	BG	-
18	L	- [Without CAN gateway]
18	Y	- [With CAN gateway]
19	W	-
20	L	-
21	B	-
22	LG	-
23	W	-
24	V	-
25	G	-
26	BR	-
27	SB	-
28	P	-
29	L	-
30	SHIELD	-
32	L	-
33	P	-
36	BG	-
37	SB	-
41	SB	-

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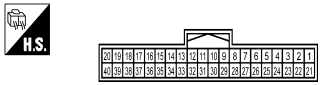
OPTION HARNESS

OPTION HARNESS (ILLUMINATION)

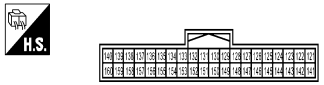
42	V	-
43	L	-
44	B	-
47	L	-
48	LG	-
49	BR	-
50	V	-
51	V	-
52	P	-
53	BG	-
56	SB	-
57	P	-
58	LG	-
59	Y	-
60	GR	-
61	B	-
62	LG	-
63	BR	-
65	W	-
66	R	-
67	V	-
68	LG	-
69	SB	-
70	V	-
72	L	-
73	P	-
74	L	-
75	P	-
76	G	-
77	Y	-
78	SB	-
79	W	-
81	LG	-
82	BR	-
83	BG	-
84	B	-
85	W	-
86	G	-
87	R	-
88	G	-
91	W	-
92	G	-
96	W	-
97	BG	-
98	Y	-
99	LG	-

Connector No.	M20
Connector Name	PCB HARNESS
Connector Type	TH40FB-NH



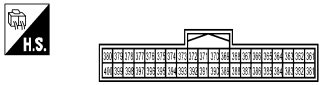
Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
2	B	-
3	Y	-
4	G	-
5	R	-
6	W	-
11	BR	-
12	R	-
15	B	-
16	SHIELD	-
17	R	-
18	P	-
19	W	-
21	B	-
22	R	- [With ICC]
22	Y	- [Without ICC]
23	L	- [With ICC]
23	SB	- [Without ICC]
24	L	-
27	P	-
31	V	-
33	V	-
35	L	-
36	P	-
38	L	-
40	Y	-

Connector No.	M23
Connector Name	PCB HARNESS
Connector Type	TH40FW-NH



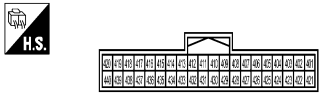
Terminal No.	Color Of Wire	Signal Name [Specification]
121	R	-
122	V	-
123	BG	-
124	BG	-
126	B	-
131	SB	-
132	LG	-
133	L	-
134	L	-
135	P	-
136	P	-
137	Y	-
138	L	-
141	W	-
142	W	-
144	P	-
145	B	-
146	LG	-
147	B	-
149	B	-
150	P	-
151	L	-
152	B	-
153	W	-
154	W	-
155	W	-
157	W	-
158	R	-
159	R	-
160	SB	-

Connector No.	M29
Connector Name	PCB HARNESS
Connector Type	TH40FB-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
361	W	-
362	W	-
363	Y	-
366	B	-
367	B	-
368	G	-
374	BG	-
375	BG	-
376	V	-
377	V	-
378	B	-
380	R	-
381	G	-
382	V	-
384	GR	-
395	P	-
396	L	-
400	V	-

Connector No.	M30
Connector Name	PCB HARNESS
Connector Type	TH40FW-NH



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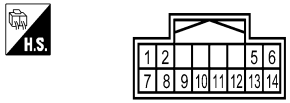
OPTION HARNESS (ILLUMINATION)

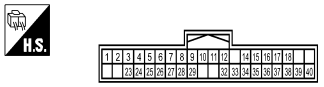
Terminal No.	Color Of Wire	Signal Name [Specification]
402	R	-
403	R	-
406	B	-
407	V	-
408	B	-
409	B	-
410	B	-
411	B	-
413	Y	-
414	BR	-
416	LG	-
417	B	-
419	SB	-
420	SHIELD	-
422	V	-
427	P	-
428	V	-
429	P	-
430	LG	-
431	B	-
432	Y	-
435	V	-
436	BG	-
437	B	-
438	P	-
439	L	-
440	B	-

Connector No.	M33
Connector Name	COMBINATION SWITCH
Connector Type	TH16FW-NH



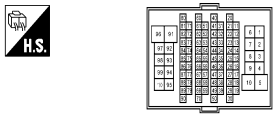
Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	FR WASHER (-)
2	SB	OUTPUT 4
5	L	OUTPUT 3
6	B	GND
7	V	INPUT 3
8	BG	OUTPUT 5
9	Y	INPUT 2
10	R	INPUT 4
11	LG	INPUT 1
12	P	OUTPUT 1
13	BR	INPUT 5
14	G	OUTPUT 2

Connector No.	M53
Connector Name	COMBINATION METER
Connector Type	TH40FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	BATTERY POWER SUPPLY
2	BG	IGNITION SIGNAL
3	GR	VEHICLE SPEED SIGNAL (2-PULSE)
4	R	VEHICLE SPEED SIGNAL (8-PULSE)
5	B	ILLUMINATION CONTROL SIGNAL
6	B	METER CONTROL SWITCH GROUND
7	SB	ENTER SWITCH SIGNAL
8	LG	SELECT SWITCH SIGNAL
9	G	ILLUMINATION CONTROL SWITCH SIGNAL (+)
10	GR	ILLUMINATION CONTROL SWITCH SIGNAL (-)
11	L	TRIP RESET SWITCH SIGNAL
12	B	GROUND
14	L	CAN-H
15	P	CAN-L
16	R	AIR BAG SIGNAL
17	G	LED HEADLAMP (RH) WARNING SIGNAL
18	V	LED HEADLAMP (LH) WARNING SIGNAL
23	B	GROUND
24	B	FUEL LEVEL SENSOR GROUND
25	W	ALTERNATOR SIGNAL
26	V	PARKING BRAKE SWITCH SIGNAL
27	V	BRAKE FLUID LEVEL SWITCH SIGNAL
28	G	SECURITY SIGNAL
29	L	WASHER LEVEL SWITCH SIGNAL
32	G	PADDLE SHIFTER SHIFT DOWN SIGNAL
33	BG	PADDLE SHIFTER SHIFT UP SIGNAL
34	G	FUEL LEVEL SENSOR SIGNAL
35	W	SEAT BELT BUCKLE SWITCH SIGNAL (DRIVER SIDE)
36	G	PASSENGER SEAT BELT WARNING SIGNAL
37	G	NON-MANUAL MODE SIGNAL
38	V	MANUAL MODE SHIFT DOWN SIGNAL
39	L	MANUAL MODE SHIFT UP SIGNAL
40	W	MANUAL MODE SIGNAL

Connector No.	M117
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4



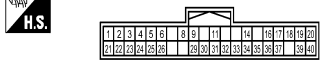
Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
3	Y	-
6	R	-
7	W	-
8	V	-
11	R	-
12	G	-
13	W	-
14	L	-
15	R	- [Without ADAS]
15	Y	- [With ADAS]
17	GR	-
18	P	-
19	BR	-
20	GR	-
21	Y	-
22	LG	-
23	R	-
24	BG	-
25	BG	-
26	W	-
27	R	-
28	V	-
29	P	-
30	B	-
31	G	-
32	Y	-
40	SHIELD	-
41	R	-
42	V	-
45	SB	-
46	BG	- [With heated seat]
46	L	- [With climate controlled seat]
47	G	- [With climate controlled seat]
47	GR	- [With heated seat]
48	V	-
49	BG	-
50	LG	-
51	SB	-
52	Y	-
53	W	-
56	B	-
57	G	-
58	R	-
59	W	-
61	LG	-
62	V	-
63	R	-
64	SB	-
65	LG	-
66	L	-
67	Y	-
68	SB	-
69	B	-
71	L	-
72	L	-
73	P	-
74	B	-
75	L	-
76	SHIELD	-
77	G	-
78	R	-
79	L	-
80	G	-
81	BG	-
82	BR	-
83	GR	-
84	V	-
85	LG	-
86	V	-
87	R	-
88	Y	-
89	BR	-
90	L	-
91	Y	-
93	G	- [With heated seat]
93	W	- [With climate controlled seat]
94	V	-

OPTION HARNESS

OPTION HARNESS (ILLUMINATION)

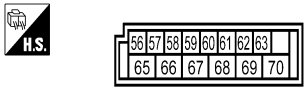
96	W	-
97	Y	-
98	BR	-
99	G	-
100	Y	-

Connector No.	M120
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FB-NH



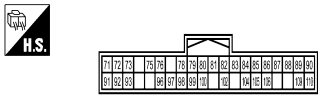
Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	RR WINDOW DEFG RLY CONT
2	BG	COMBI SW INPUT 5
3	SB	COMBI SW INPUT 4
4	L	COMBI SW INPUT 3
5	G	COMBI SW INPUT 2
6	P	COMBI SW INPUT 1
8	V	POWER WINDOW SW COMM
9	P	STOP LAMP SW 1
11	R	RAIN SENSOR SERIAL LINK
14	W	OPTICAL SENSOR
16	SB	DIMMER SIGNAL
17	Y	SENSOR PWR SPLY
18	B	RECEIVER / SENSOR GND
19	V	TURN SIG RH OUTPUT (FRONT)
20	G	TURN SIG LH OUTPUT (FRONT)
21	P	NATS ANT AMP.
22	GR	KYLS ENT RECEIVER RSSI
23	G	SECURITY IND CONT
24	L	DONGLE LINK
25	G	NATS ANT AMP.
26	G	I-KEY IDENTIFICATION
29	G	HAZARD SW
30	O	TR LID OPNR SW
31	W	DR DOOR UNLK SENSOR
32	BR	COMBI SW OUTPUT 5
33	R	COMBI SW OUTPUT 4
34	V	COMBI SW OUTPUT 3
35	Y	COMBI SW OUTPUT 2
36	LG	COMBI SW OUTPUT 1
37	R	P POSITION
39	L	CAN-H
40	P	CAN-L

Connector No.	M122
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	FEA09FW-FHA6-SA



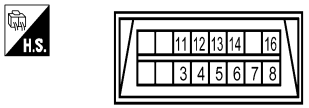
Terminal No.	Color Of Wire	Signal Name [Specification]
56	R	INT ROOM LAMP PWR SPLY
57	R	BAT (FUSE)
58	L	AIR BAG SIGNAL
59	G	PASS DOOR UNLK OUTPUT
60	G	TURN SIG LH OUTPUT (SIDE, REAR)
61	V	TURN SIG RH OUTPUT (SIDE, REAR)
62	V	STEP LAMP CONT
63	L	ROOM LAMP TIMER CONT
65	V	ALL DOOR, FL LID LOCK OUTPUT
66	LG	DR DOOR, FL LID UNLK OUTPUT
67	B	GND
68	O	PW PWR SPLY (IGN)
69	Y	PW PWR SPLY (BAT)
70	W	BAT (F/L)

Connector No.	M123
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
71	BR	KYLS ENT RECEIVER COMM
72	B	OUTS HD LAMP OUTPUT
73	V	ON IND
75	G	DR DOOR REQ SW
76	BR	PUSH SW
78	BR	DRIVER DOOR ANT+
79	SB	DRIVER DOOR ANT-
80	LG	PASSENGER DOOR ANT+
81	V	PASSENGER DOOR ANT-
82	V	REAR BMPR ANT+
83	SB	REAR BMPR ANT-
84	BR	ROOM ANT1+
85	Y	ROOM ANT1-
86	R	ROOM ANT2+
87	G	ROOM ANT2-
88	V	TRUNK ROOM ANT+
89	SB	TRUNK ROOM ANT-
90	R	PUSH-BTN IGN SW ILL PWR
91	GR	LOCK IND
92	B	PUSH-BTN IGN SW ILL GND
93	V	I-KEY WARN BUZZER
96	SB	ACC RELAY CONT
97	SB	STARTER RELAY CONT
98	B	IGN RELAY (IPDM E/R) CONT
99	R	IGN RELAY (F/B) CONT
100	SB	PASS DOOR REQ SW
102	BR	P/N POSITION
104	GR	A/T SHIFT SELECT PWR SPLY
105	R	STOP LAMP SW 2
106	B	BLWR RELAY CONT
109	Y	ACC IND
110	R	RECEIVER PWR SPLY

Connector No.	M182
Connector Name	DATA LINK CONNECTOR
Connector Type	BD16FW



Terminal No.	Color Of Wire	Signal Name [Specification]
3	LG	M-CAN_L
4	B	EARTH
5	B	EARTH
6	L	CAN-H
7	V	KLINE
8	LG	IGN_SW
11	SB	M-CAN_H
12	P	CAN-L
13	L	CAN-H
14	P	CAN-L
16	W	POWER

Connector No.	M221
Connector Name	WIRE TO WIRE
Connector Type	M03FW-LC

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

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OPTION HARNESS (ILLUMINATION)

Connector No.	M222
Connector Name	WIRE TO WIRE
Connector Type	M03MW-LC

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

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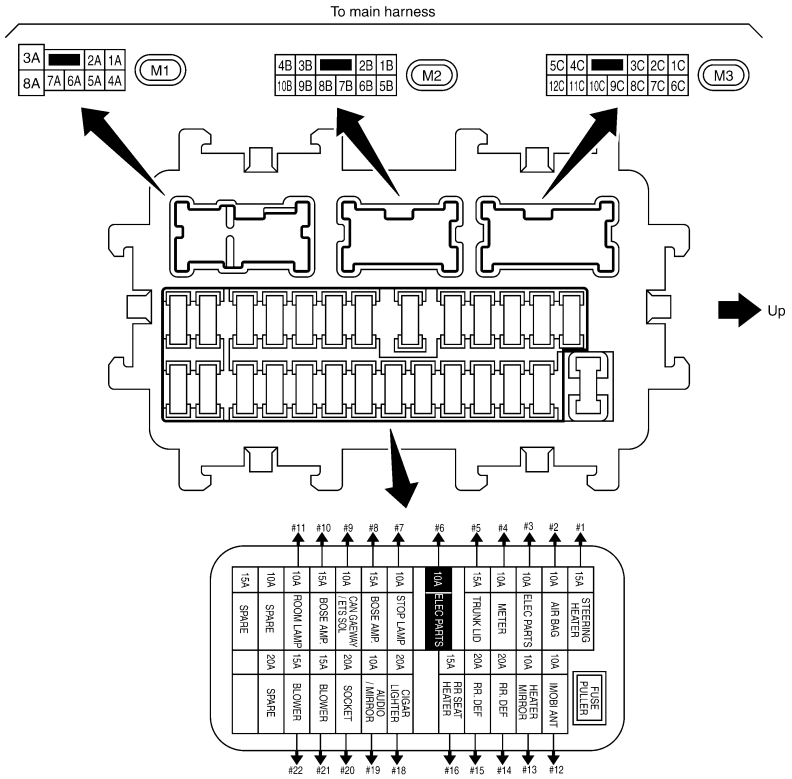
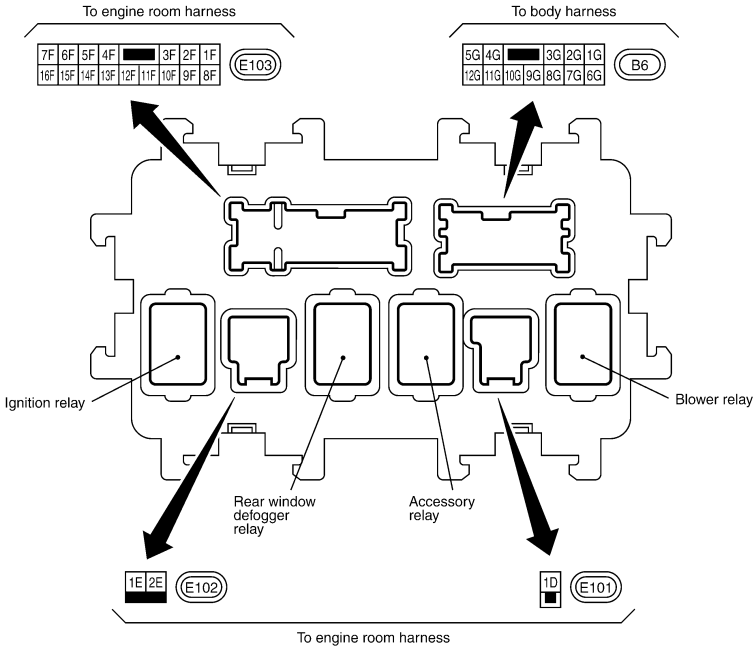
FUSE BLOCK - JUNCTION BOX (J/B)

Fuse, Connector and Terminal Arrangement

INFOID:0000000012349355

FUSE BLOCK-JUNCTION BOX (J/B) Fuse, Connector and Terminal Arrangement





2015/09/02

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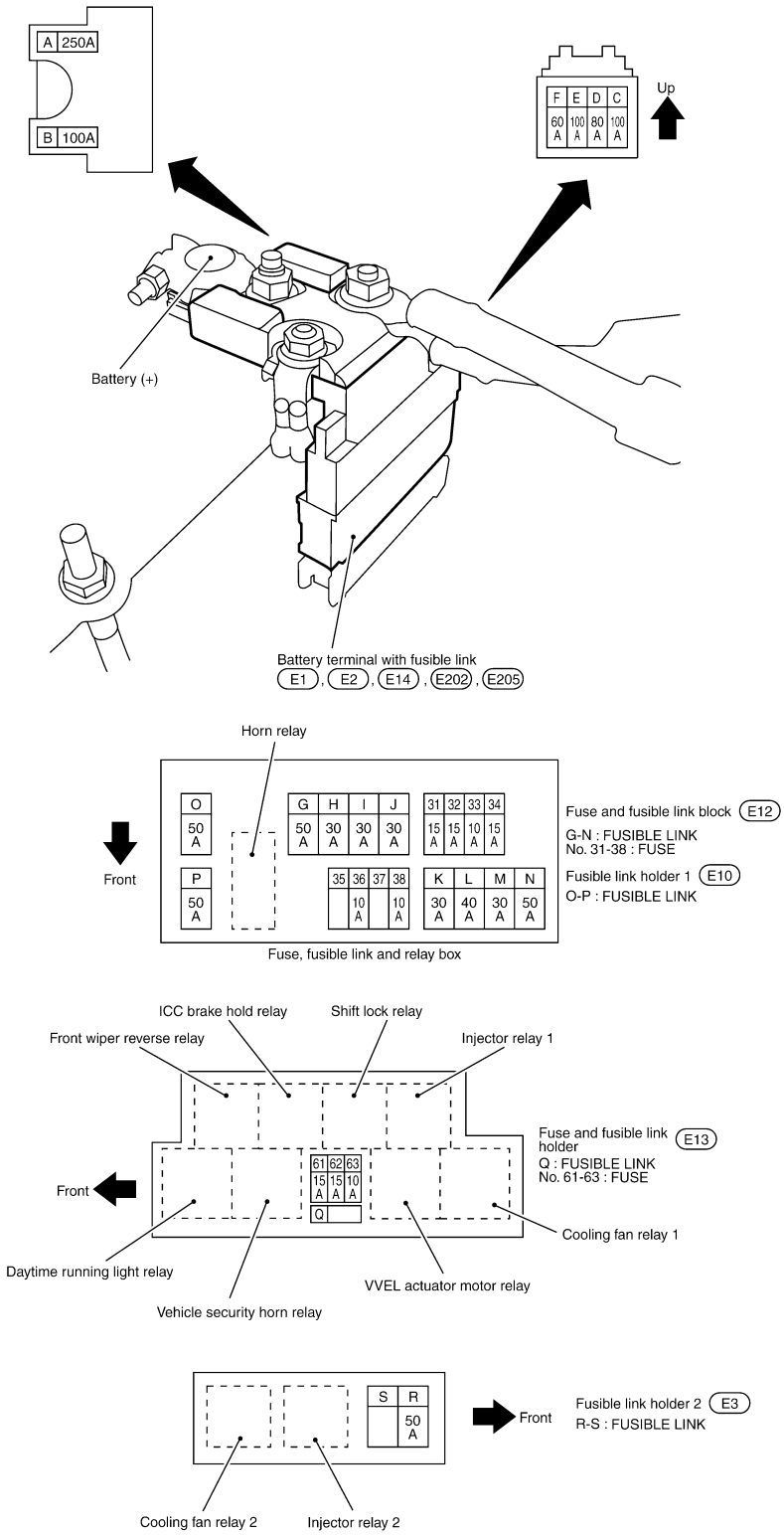
FUSE, FUSIBLE LINK AND RELAY BOX

Fuse and Fusible Link Arrangement

INFOID:0000000012349356



2013/10/22

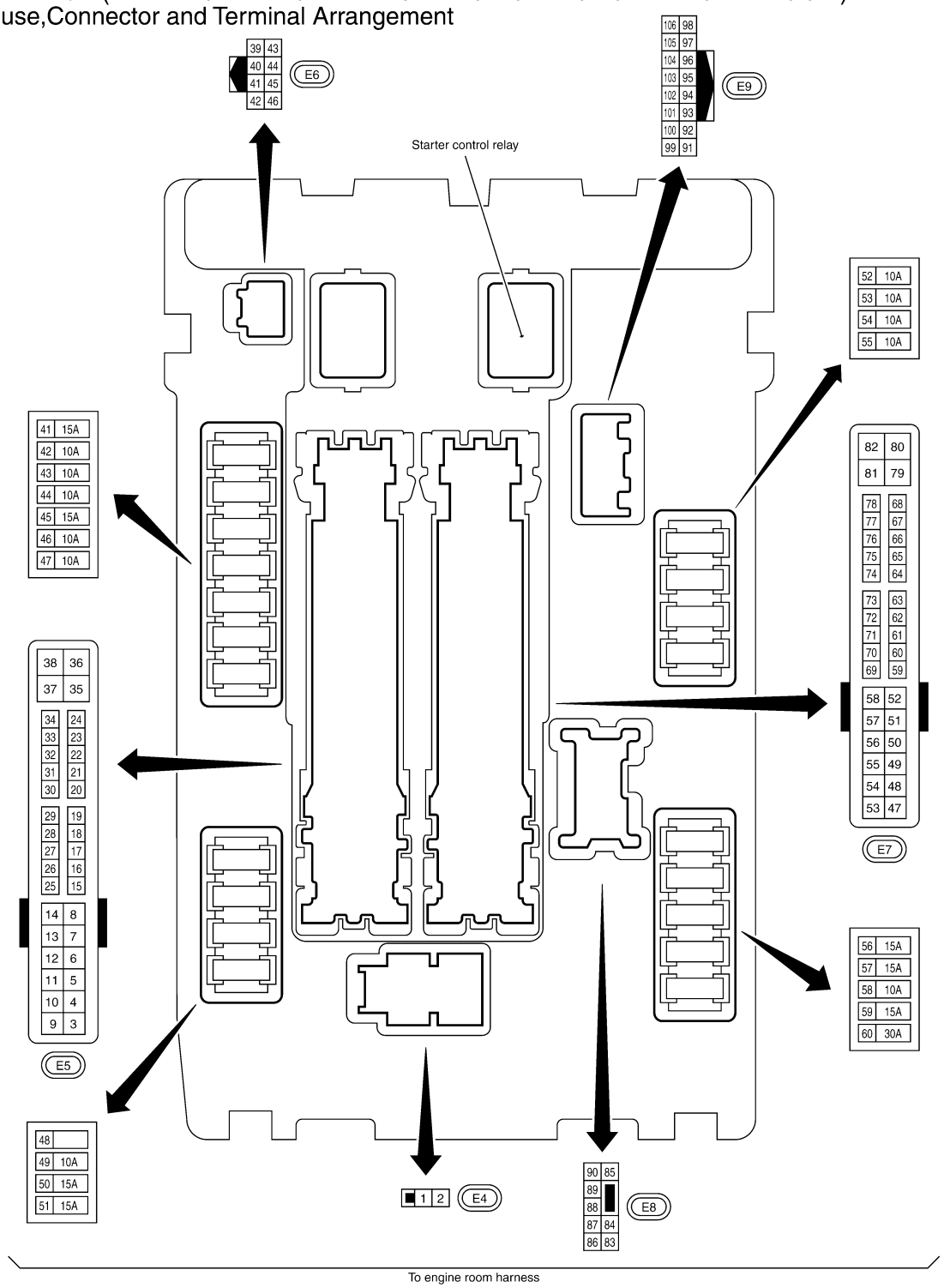
JRMWE8334GB

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

Fuse, Connector and Terminal Arrangement

INFOID:0000000012349357

IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Fuse,Connector and Terminal Arrangement



2014/07/11

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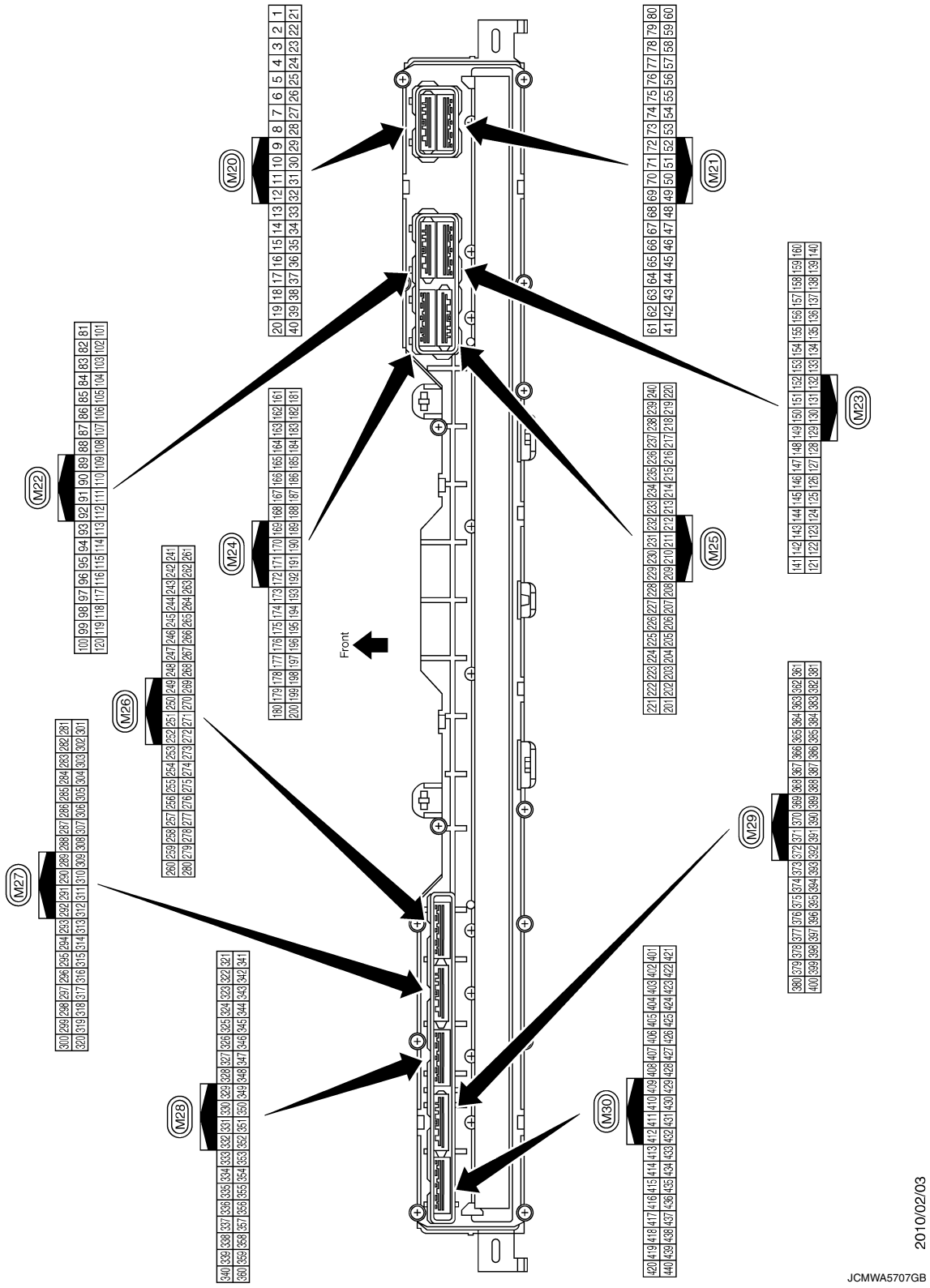
PCB HARNESS

Connector and Terminal Arrangement

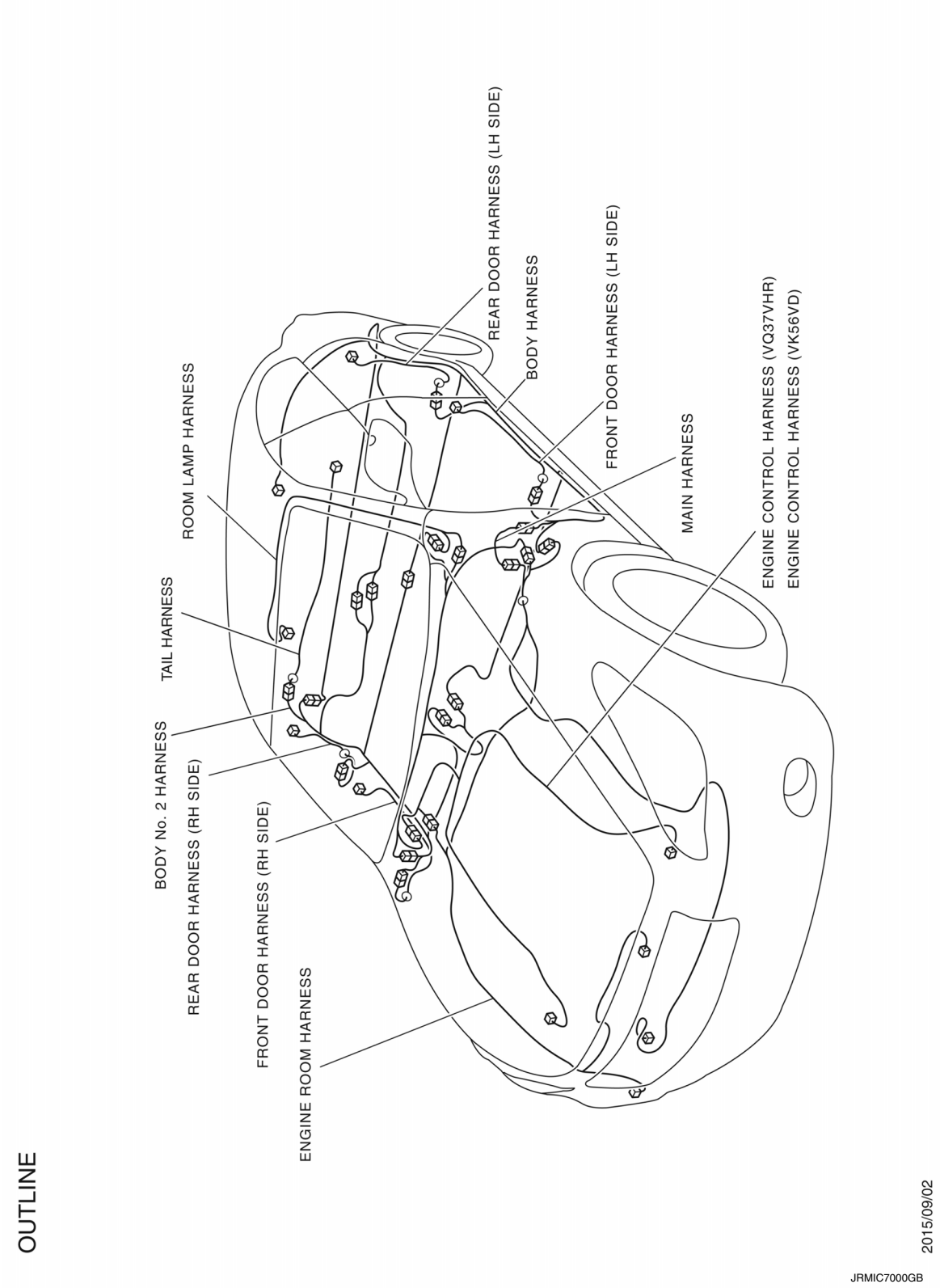
INFOID:0000000012349358



HARNESS LAYOUT

Outline

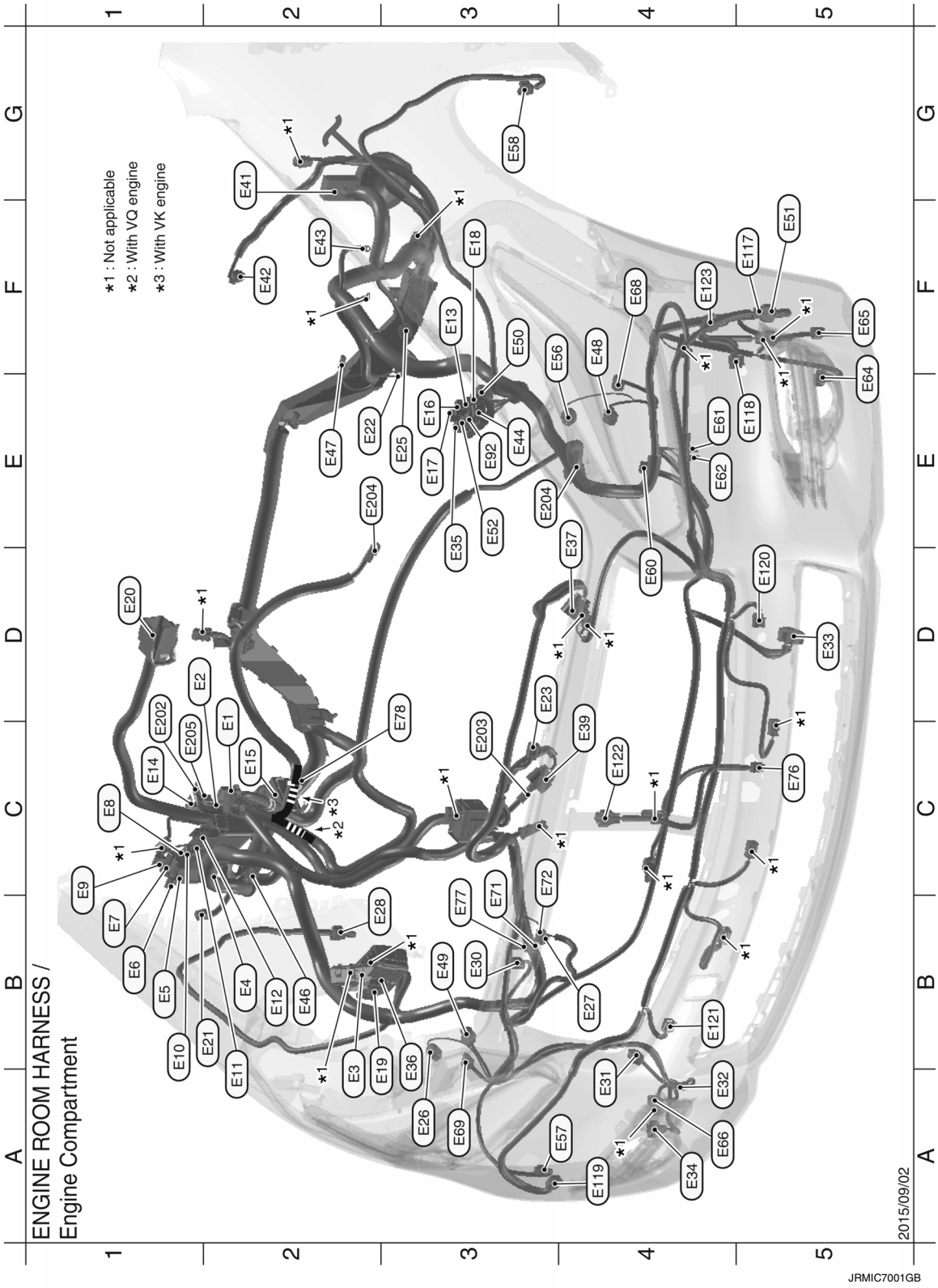
INFOID:0000000012349359



Engine Room Harness

INFOID:0000000012349360

ENGINE COMPARTMENT



HARNESS LAYOUT

D2	E1	BR/2	:	BATTERY TERMINAL WITH FUSIBLE LINK
D1	E2	GY/2	:	BATTERY TERMINAL WITH FUSIBLE LINK
A2	E3	-	:	FUSIBLE LINK HOLDER 2
B2	E4	B/2	:	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
B1	E5	W/37	:	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
B1	E6	W/8	:	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
B1	E7	W/36	:	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
C1	E8	W/8	:	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
C1	E9	W/16	:	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
B1	E10	-	:	FUSIBLE LINK HOLDER 1
A2	E11	-	:	HORN RELAY
B2	E12	-	:	FUSE AND FUSIBLE LINK BLOCK
F3	E13	-	:	FUSE AND FUSIBLE LINK HOLDER
C1	E14	-	:	BATTERY TERMINAL WITH FUSIBLE LINK
C2	E15	B/26	:	VVEL CONTROL MODULE
E3	E16	-	:	VVEL ACTUATOR MOTOR RELAY
E3	E17	-	:	COOLING FAN RELAY 1
F3	E18	W/3	:	VEHICLE SECURITY HORN RELAY
B2	E19	-	:	COOLING FAN RELAY 2
D1	E20	B/52	:	To F40
B2	E21	GY/4	:	BATTERY CURRENT SENSOR
E2	E22	-	:	BODY GROUND
D3	E23	Y/2	:	CRASH ZONE SENSOR
E3	E25	B/3	:	VACUUM SENSOR
A3	E26	GY/3	:	HEADLAMP AIMING MOTOR RH
B4	E27	B/2	:	FRONT WHEEL SENSOR RH
B2	E28	B/4	:	TIRE PRESSURE RECEIVER FRONT RH
B3	E30	B/2	:	HOOD SWITCH
A4	E31	GY/2	:	WASHER PUMP
A4	E32	BR/2	:	WASHER LEVEL SWITCH

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D5	E33	B/8	:	ICC SENSOR
A4	E34	B/2	:	FRONT FOG LAMP RH
D3	E35	L/4	:	INJECTOR RELAY 1
B3	E36	L/4	:	INJECTOR RELAY 2
E4	E37	GY/4	:	COOLING FAN CONTROL MODULE 1
C4	E39	GY/4	:	COOLING FAN CONTROL MODULE 2
G2	E41	B/34	:	ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT)
F2	E42	GY/6	:	FRONT WIPER MOTOR
F2	E43	-	:	BODY GROUND
E3	E44	B/5	:	WIPER REVERSE RELAY
B2	E46	-	:	BODY GROUND
E2	E47	GY/2	:	BRAKE FLUID LEVEL SWITCH
F4	E48	B/8	:	FRONT COMBINATION LAMP LH
B3	E49	B/8	:	FRONT COMBINATION LAMP RH
F3	E50	BR/6	:	DAYTIME RUNNING LIGHT RELAY
F5	E51	B/12	:	To E117
E3	E52	L/4	:	SHIFT LOCK RELAY
F3	E56	GY/3	:	HEADLAMP AIMING MOTOR LH
A4	E57	BR/3	:	INTELLIGENT KEY WARNING BUZZER (ENGINE ROOM)
G3	E58	B/4	:	TIRE PRESSURE RECEIVER FRONT LH
D4	E60	B/2	:	FRONT WHEEL SENSOR LH
E4	E61	B/1	:	VEHICLE SECURITY HORN
E4	E62	B/1	:	VEHICLE SECURITY HORN
E5	E64	B/2	:	FRONT FOG LAMP LH
F5	E65	B/2	:	FRONT TURN SIGNAL LAMP LH
A4	E66	B/2	:	FRONT TURN SIGNAL LAMP RH
F4	E68	GY/3	:	HEADLAMP SWIVEL ACTUATOR LH
A3	E69	GY/3	:	HEADLAMP SWIVEL ACTUATOR RH
C3	E71	B/1	:	HORN (HIGH)
C3	E72	B/1	:	HORN (HIGH)

C5	E76	B/2	: AMBIENT SENSOR
D3	E77	B/3	: REFRIGERANT PRESSURE SENSOR
D3	E78	B/10	: JOINT CONNECTOR-E01
E3	E92	L/4	: ICC BRAKE HOLD RELAY
F5	E117	B/12	: To E51
E5	E118	B/3	: CORNER SENSOR FRONT LH
A4	E119	B/3	: CORNER SENSOR FRONT RH
D5	E120	B/3	: CENTER SENSOR FRONT LH
B4	E121	B/3	: CENTER SENSOR FRONT RH
C4	E122	B/6	: FRONT CAMERA
F4	E123	B/6	: JOINT CONNECTOR-E11
D1	E202	-	: BATTERY TERMINAL WITH FUSIBLE LINK
C3	E203	-	: ALTERNATOR
E2,E3	E204	-	: STARTER MOTOR
C1	E205	/1	: BATTERY TERMINAL WITH FUSIBLE LINK

2015/09/02

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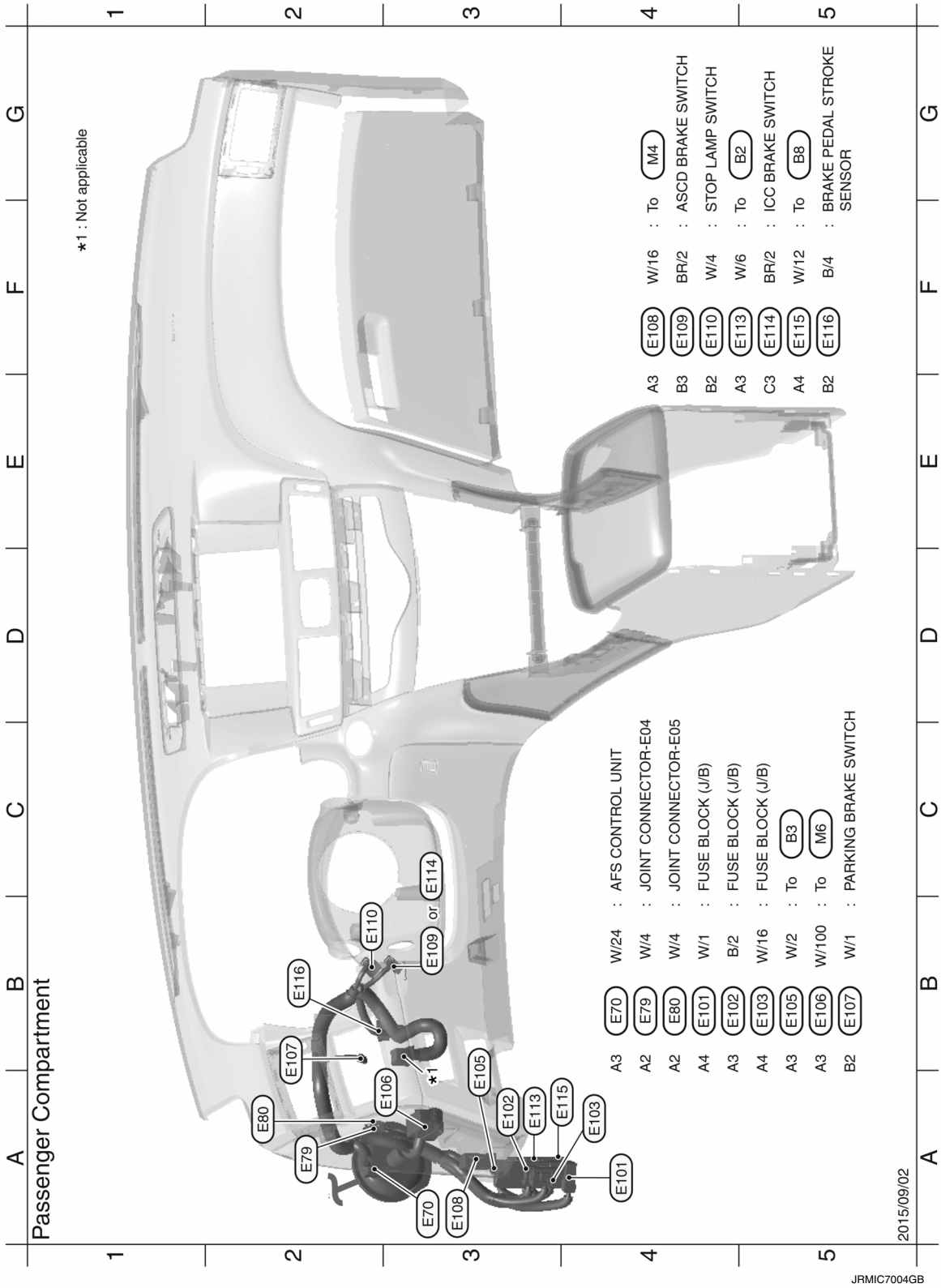
PASSENGER COMPARTMENT



Engine Control Harness

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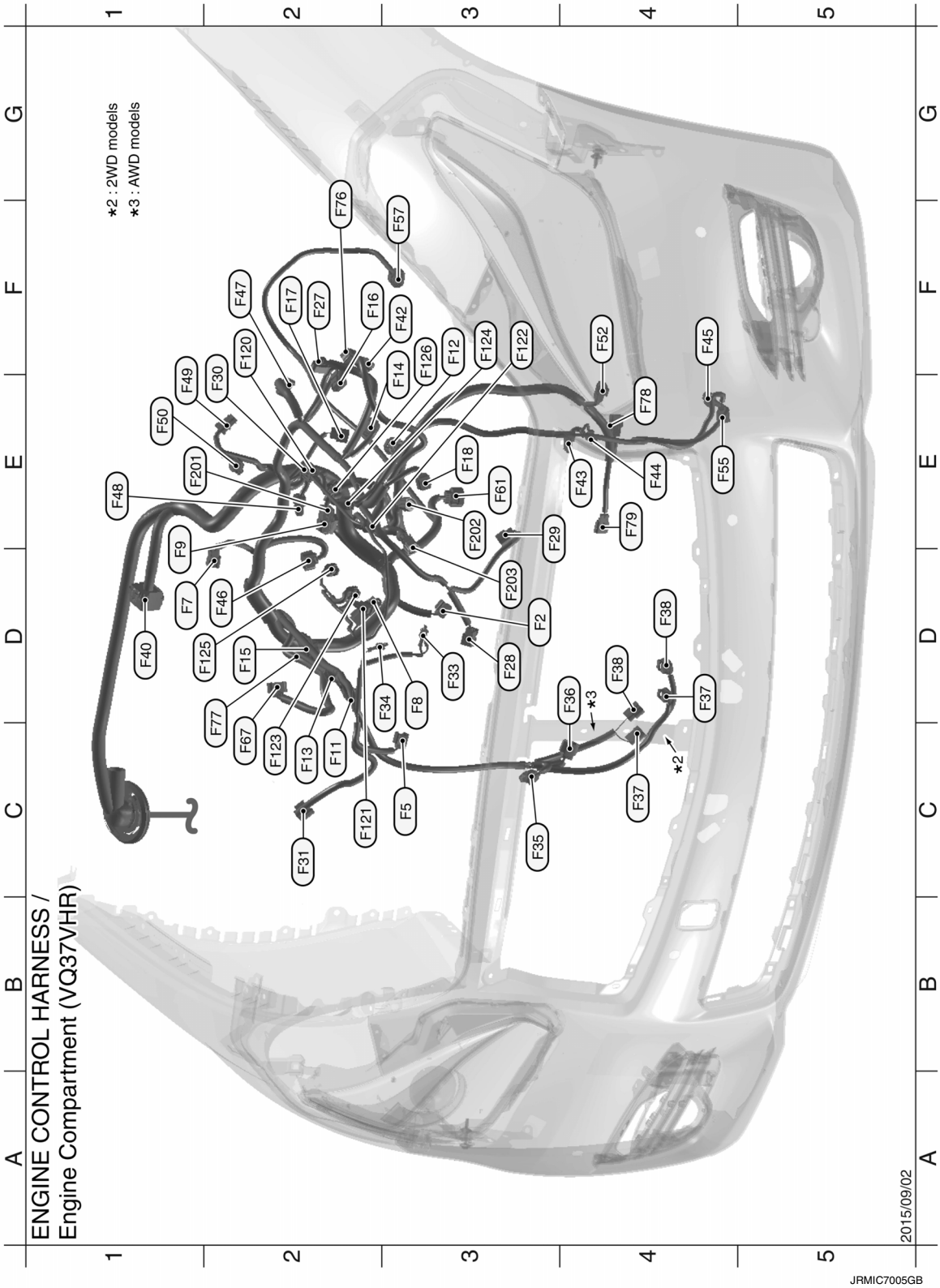
VQ37VHR


ENGINE CONTROL HARNESS /
Engine Compartment (VQ37VHR)
*2 : 2WD models
*3 : AWD models
F76
F57
F47
F17
F27
F16
F42
F120
F12
F126
F124
F122
F52
F45
F49
F30
F14
F78
F50
F18
F43
F44
F55
F201
F61
F48
F202
F29
F79
F9
F203
F7
F46
F2
F38
F40
F125
F15
F28
F33
F36
*3
F37
F77
F67
F123
F13
F11
F34
F8
*2
F5
F121
F35
F31
2015/09/02
JRMIC7005GB

HARNESS LAYOUT

D3	F2	B/3	:	CRANKSHAFT POSITION SENSOR
C3	F5	B/3	:	CAMSHAFT POSITION SENSOR (BANK 1)
D1	F7	GY/2	:	EVAP CANISTER PURGE VOLUME CONTROL SOLENOID VALVE
D3	F8	W/2	:	CONDENSER
E1	F9	L/4	:	To F201
C2	F11	GY/3	:	IGNITION COIL No. 1 (WITH POWER TRANSISTOR)
F3	F12	GY/3	:	IGNITION COIL No. 2 (WITH POWER TRANSISTOR)
C2	F13	GY/3	:	IGNITION COIL No. 3 (WITH POWER TRANSISTOR)
E3	F14	GY/3	:	IGNITION COIL No. 4 (WITH POWER TRANSISTOR)
D2	F15	GY/3	:	IGNITION COIL No. 5 (WITH POWER TRANSISTOR)
F2	F16	GY/3	:	IGNITION COIL No. 6 (WITH POWER TRANSISTOR)
F2	F17	GY/2	:	ENGINE COOLANT TEMPERATURE SENSOR
E3	F18	B/3	:	CAMSHAFT POSITION SENSOR (BANK 2)
F2	F27	B/6	:	ELECTRIC THROTTLE CONTROL ACTUATOR (BANK 2)
D3	F28	GY/2	:	INTAKE VALVE TIMING CONTROL SOLENOID VALVE (BANK 1)
E3	F29	GY/2	:	INTAKE VALVE TIMING CONTROL SOLENOID VALVE (BANK 2)
E2	F30	B/8	:	To F120
C2	F31	B/6	:	MASS AIR FLOW SENSOR (BANK 1)
D3	F33	-	:	ENGINE GROUND
D3	F34	-	:	ENGINE GROUND
C3	F35	B/3	:	POWER STEERING PRESSURE SENSOR
D4	F36	B/3	:	ALTERNATOR
C4,D4	F37	GY/1	:	OIL PRESSURE SWITCH
D4,D4	F38	GY/2	:	ENGINE OIL TEMPERATURE SENSOR
D1	F40	B/52	:	To E20
F3	F42	B/6	:	MASS AIR FLOW SENSOR (BANK 2)
E4	F43	GY/2	:	COMPRESSOR
E4	F44	B/1	:	COMPRESSOR
F4	F45	BR/2	:	POWER STEERING SOLENOID VALVE
D2	F46	B/6	:	VVEL CONTROL SHAFT POSITION SENSOR (BANK 1)
F2	F47	B/6	:	VVEL CONTROL SHAFT POSITION SENSOR (BANK 2)
E1	F48	B/2	:	VVEL ACTUATOR MOTOR (BANK 1)
E1	F49	B/2	:	VVEL ACTUATOR MOTOR (BANK 2)
E1	F50	B/3	:	MANIFOLD ABSOLUTE PRESSURE (MAP) SENSOR
F4	F52	GY/1	:	STARTER MOTOR
E4	F55	B/2	:	POWER STEERING SOLENOID VALVE
F3	F57	B/8	:	AWD SOLENOID
E3	F61	DGY/10	:	A/T ASSEMBLY
C2	F67	B/6	:	ELECTRIC THROTTLE CONTROL ACTUATOR (BANK 1)
F2	F76	GY/4	:	AIR FUEL RATIO (A/F) SENSOR 1 (BANK 2)
D2	F77	GY/4	:	AIR FUEL RATIO (A/F) SENSOR 1 (BANK 1)
E4	F78	B/4	:	HEATED OXYGEN SENSOR 2 (BANK 2)
E4	F79	B/4	:	HEATED OXYGEN SENSOR 2 (BANK 1)
F2	F120	B/8	:	To F30
C2	F121	GY/2	:	FUEL INJECTOR No. 1
F3	F122	GY/2	:	FUEL INJECTOR No. 2
C2	F123	GY/2	:	FUEL INJECTOR No. 3
F3	F124	GY/2	:	FUEL INJECTOR No. 4
D1	F125	GY/2	:	FUEL INJECTOR No. 5
F3	F126	GY/2	:	FUEL INJECTOR No. 6
E1	F201	L/4	:	To F9
E3	F202	GY/2	:	KNOCK SENSOR (BANK 2)
D3	F203	GY/2	:	KNOCK SENSOR (BANK 1)

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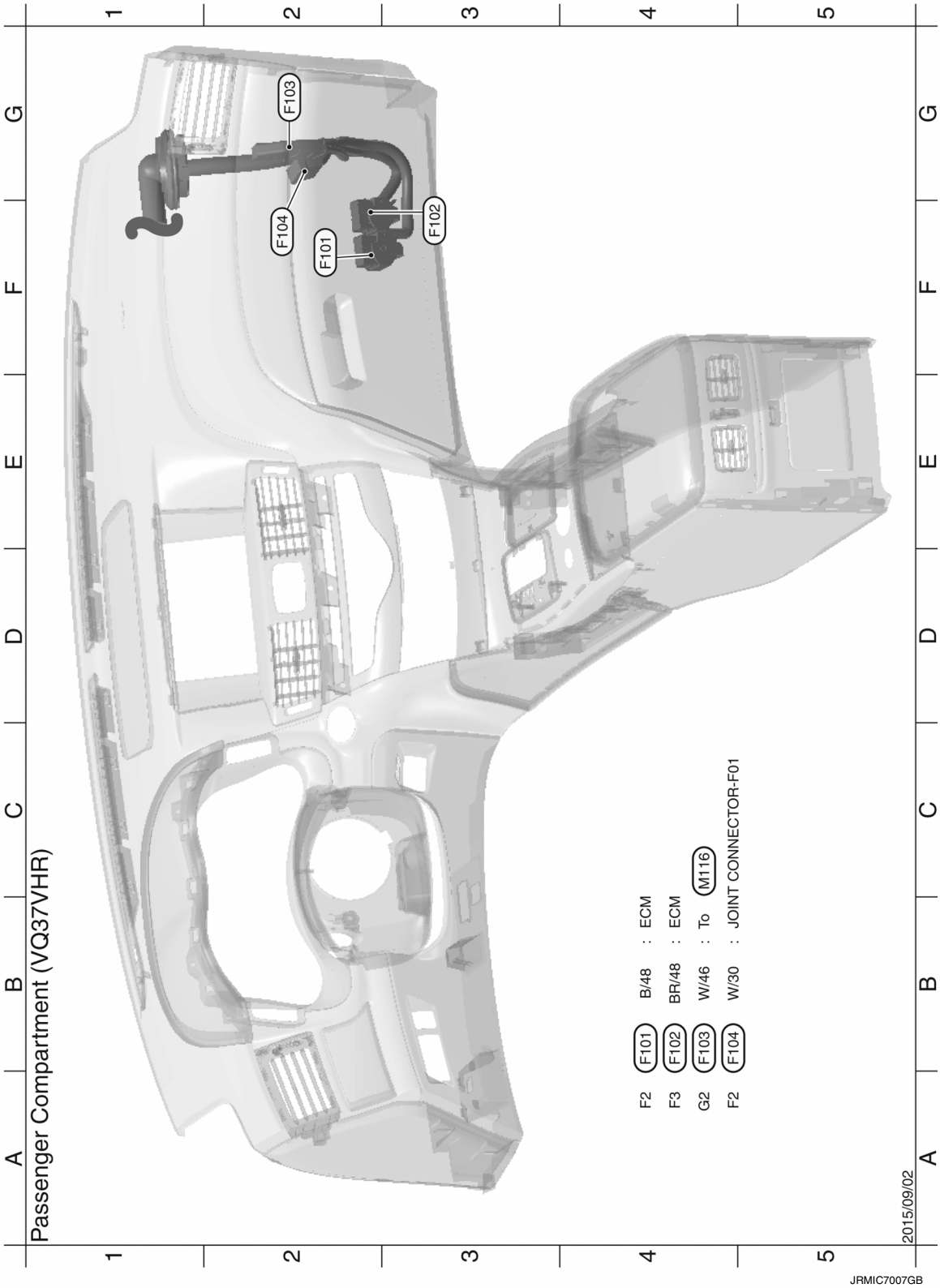
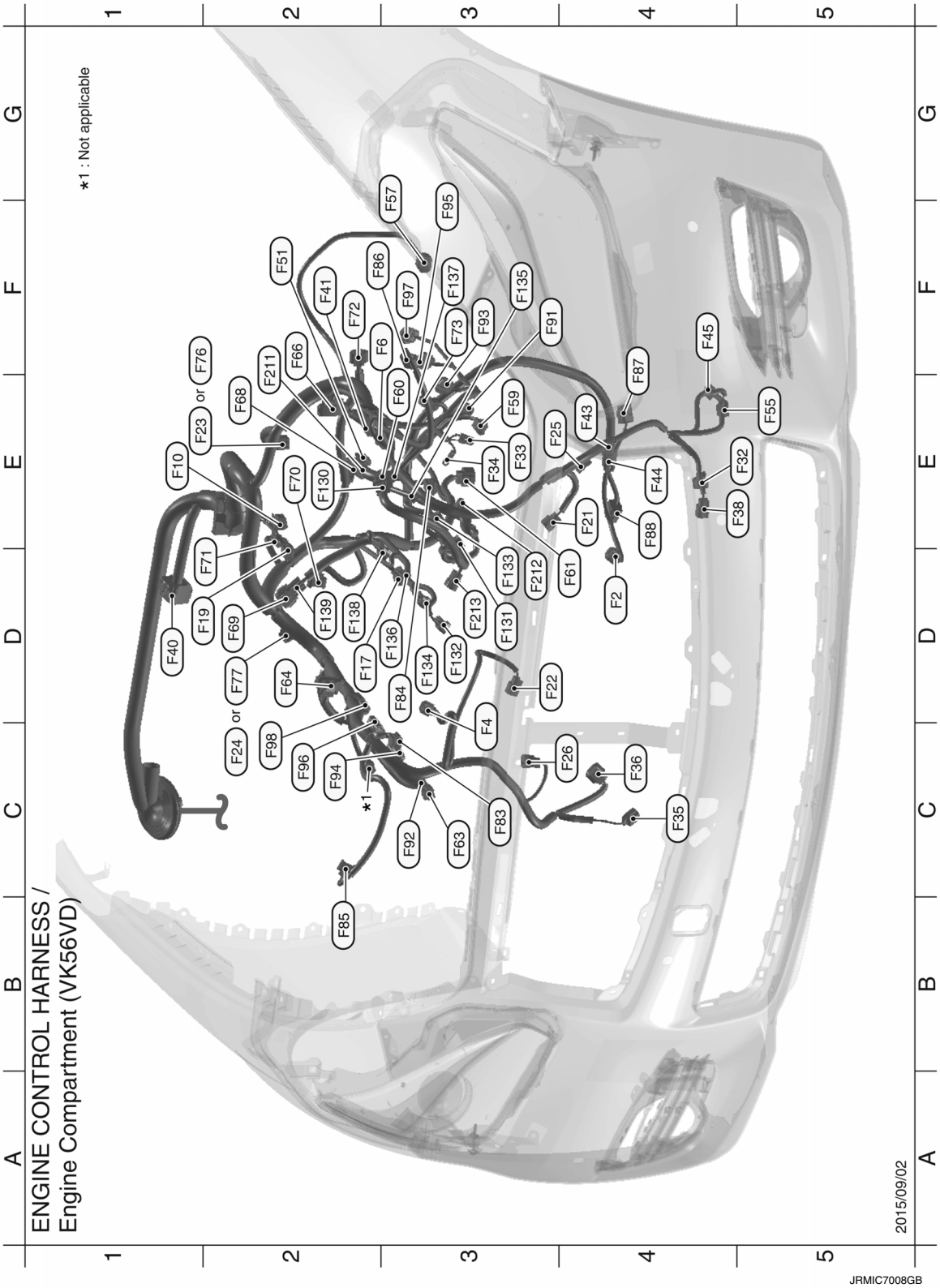
Passenger Compartment



VK56VD

Engine Compartment



HARNESS LAYOUT

D4	F2	B/3	:	CRANKSHAFT POSITION SENSOR
C3	F4	GY/2	:	HIGH PRESSURE FUEL PUMP
F2	F6	B/3	:	FUEL RAIL PRESSURE SENSOR
E1	F10	L/2	:	EVAP CANISTER PURGE VOLUME CONTROL SOLENOID VALVE
D2	F17	GY/2	:	ENGINE COOLANT TEMPERATURE SENSOR
D1	F19	B/3	:	MANIFOLD ABSOLUTE PRESSURE SENSOR
E4	F21	G/2	:	INTAKE VALVE TIMING CONTROL SOLENOID VALVE (BANK 2)
D3	F22	G/2	:	INTAKE VALVE TIMING CONTROL SOLENOID VALVE (BANK 1)
E1	F23	B/6	:	AIR FUEL RATIO (A/F) SENSOR 1 (BANK 2)
C2	F24	B/6	:	AIR FUEL RATIO (A/F) SENSOR 1 (BANK 1)
E3	F25	G/2	:	EXHAUST VALVE TIMING CONTROL SOLENOID VALVE (BANK 2)
C4	F26	G/2	:	EXHAUST VALVE TIMING CONTROL SOLENOID VALVE (BANK 1)
E5	F32	B/3	:	ENGINE OIL PRESSURE SENSOR
E3	F33	-	:	ENGINE GROUND
E3	F34	-	:	ENGINE GROUND
C4	F35	B/3	:	POWER STEERING PRESSURE SENSOR
C4	F36	B/3	:	ALTERNATOR
E5	F38	GY/2	:	ENGINE OIL TEMPERATURE SENSOR
D1	F40	B/52	:	To E20
F2	F41	W/2	:	CONDENSER
E4	F43	GY/2	:	COMPRESSOR
E4	F44	B/1	:	COMPRESSOR
F4	F45	BR/2	:	POWER STEERING SOLENOID VALVE
F2	F51	GY/1	:	STARTER MOTOR
E5	F55	B/2	:	POWER STEERING SOLENOID VALVE
G3	F57	B/8	:	AWD SOLENOID
E3	F59	B/3	:	EXHAUST VALVE TIMING CONTROL POSITION SENSOR (BANK 1)
E3	F60	B/8	:	To F130
D4	F61	DGY/10	:	A/T ASSEMBLY
C3	F63	B/3	:	EXHAUST VALVE TIMING CONTROL POSITION SENSOR (BANK 2)
D2	F64	B/6	:	ELECTRIC THROTTLE CONTROL ACTUATOR (BANK 2)
F2	F66	B/6	:	ELECTRIC THROTTLE CONTROL ACTUATOR (BANK 1)
E2	F68	B/4	:	To F211
D2	F69	B/8	:	To F139
E2	F70	B/6	:	VVEL CONTROL SHAFT POSITION SENSOR (BANK 2)
D2	F71	B/2	:	VVEL ACTUATOR MOTOR (BANK 2)
F2	F72	B/6	:	VVEL CONTROL SHAFT POSITION SENSOR (BANK 1)
F3	F73	B/2	:	VVEL ACTUATOR MOTOR (BANK 1)
F1	F76	GY/4	:	AIR FUEL RATIO (A/F) SENSOR 1 (BANK 2)
D2	F77	GY/4	:	AIR FUEL RATIO (A/F) SENSOR 1 (BANK 1)
C3	F83	B/3	:	CAMSHAFT POSITION SENSOR (BANK 2)
D3	F84	B/3	:	CAMSHAFT POSITION SENSOR (BANK 1)
B2	F85	B/6	:	MASS AIR FLOW SENSOR (BANK 2)
F2	F86	B/6	:	MASS AIR FLOW SENSOR (BANK 1)
F4	F87	B/4	:	HEATED OXYGEN SENSOR 2 (BANK 1)
E4	F88	B/4	:	HEATED OXYGEN SENSOR 2 (BANK 2)
F3	F91	GY/3	:	IGNITION COIL No. 1 (WITH POWER TRANSISTOR)
C3	F92	GY/3	:	IGNITION COIL No. 2 (WITH POWER TRANSISTOR)
F3	F93	GY/3	:	IGNITION COIL No. 3 (WITH POWER TRANSISTOR)
C2	F94	GY/3	:	IGNITION COIL No. 4 (WITH POWER TRANSISTOR)
F3	F95	GY/3	:	IGNITION COIL No. 5 (WITH POWER TRANSISTOR)
C2	F96	GY/3	:	IGNITION COIL No. 6 (WITH POWER TRANSISTOR)
F3	F97	GY/3	:	IGNITION COIL No. 7 (WITH POWER TRANSISTOR)
C2	F98	GY/3	:	IGNITION COIL No. 8 (WITH POWER TRANSISTOR)
E2	F130	B/8	:	To F60
D3	F131	GY/2	:	FUEL INJECTOR No. 1
D3	F132	GY/2	:	FUEL INJECTOR No. 2
D3	F133	GY/2	:	FUEL INJECTOR No. 3
D3	F134	GY/2	:	FUEL INJECTOR No. 4
F3	F135	GY/2	:	FUEL INJECTOR No. 5

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D3	F136	GY/2	:	FUEL INJECTOR No. 6
F3	F137	GY/2	:	FUEL INJECTOR No. 7
D2	F138	GY/2	:	FUEL INJECTOR No. 8
D2	F139	B/8	:	To F69
F2	F211	B/4	:	To F68
D3	F212	B/2	:	KNOCK SENSOR (BANK 1)
D3	F213	B/2	:	KNOCK SENSOR (BANK 2)

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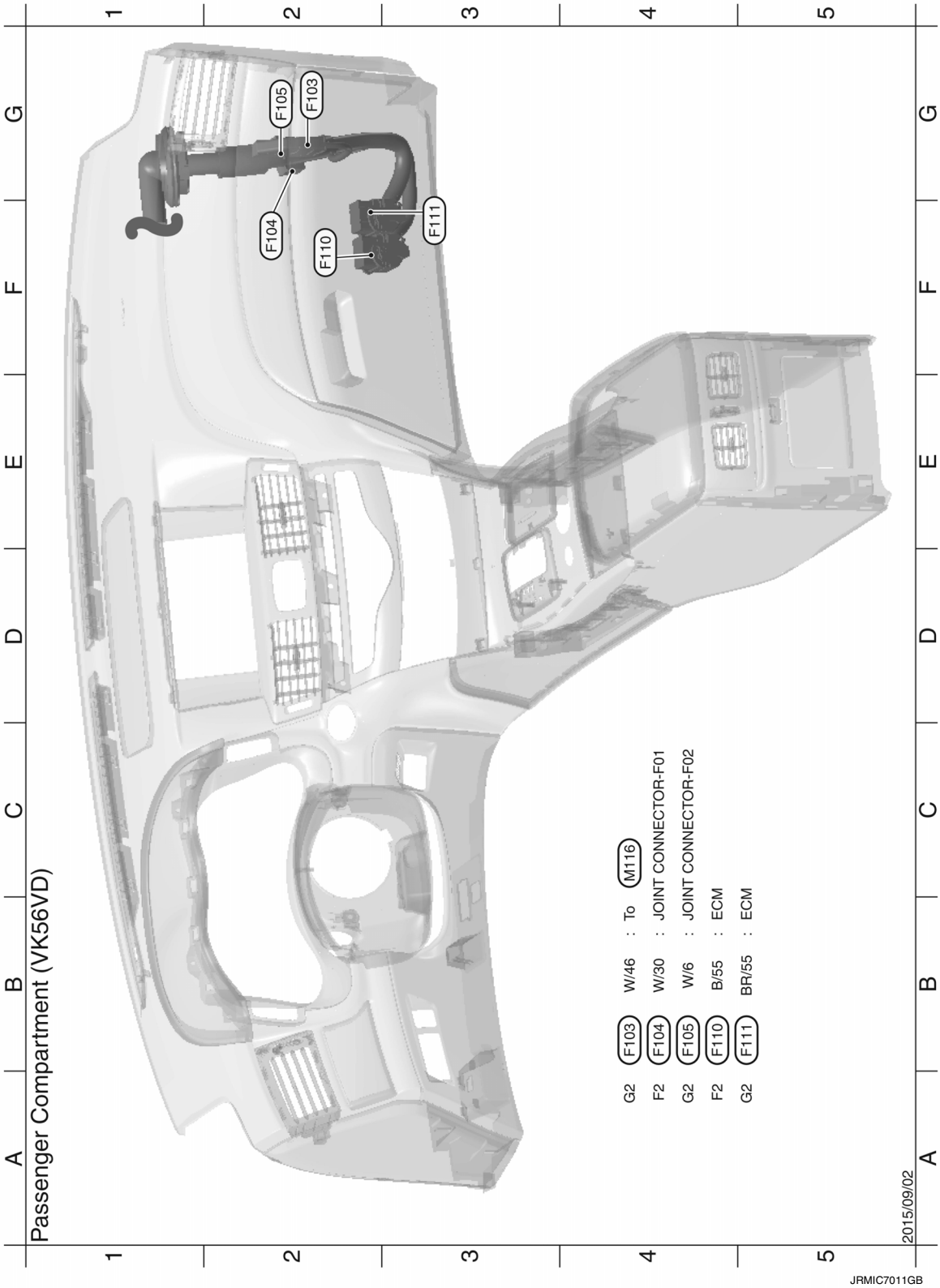
Passenger Compartment (VK56VD)
F105
F103
F104
F110
F111
G2 F103 W/46 : To M116
F2 F104 W/30 : JOINT CONNECTOR-F01
G2 F105 W/6 : JOINT CONNECTOR-F02
F2 F110 B/55 : ECM
G2 F111 BR/55 : ECM
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Main Harness

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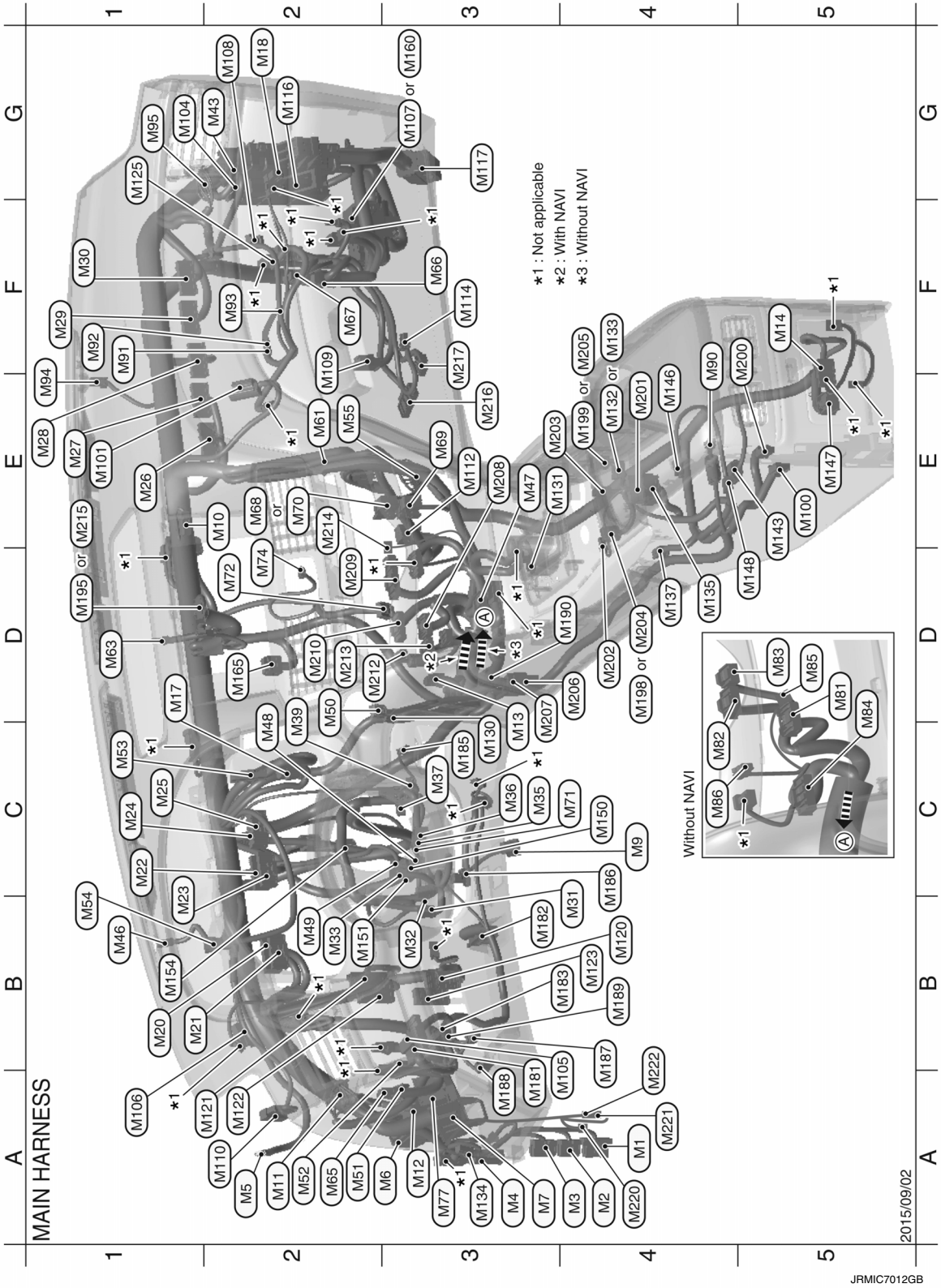

HARNESS LAYOUT

A4	M1	W/8	:	FUSE BLOCK (J/B)
A4	M2	W/10	:	FUSE BLOCK (J/B)
A4	M3	W/12	:	FUSE BLOCK (J/B)
A3	M4	W/16	:	To E108
A2	M5	W/3	:	To R5
A3	M6	W/100	:	To E106
A3	M7	W/100	:	To B1
C4	M9	B/6	:	ACCELERATOR PEDAL POSITION SENSOR
E2	M10	-	:	DIODE
A2	M11	-	:	BODY GROUND
A3	M12	W/24	:	To B14
D3	M13	W/2	:	DRIVER ASSISTANCE BUZZER
F5	M14	W/8	:	To -
D1	M17	-	:	RESISTOR
G2	M18	W/2	:	TRUNK LID OPENER CANCEL SWITCH
B1	M20	B/40	:	PCB HARNESS
B1	M21	W/40	:	PCB HARNESS
C1	M22	B/40	:	PCB HARNESS
B1	M23	W/40	:	PCB HARNESS
C1	M24	W/40	:	PCB HARNESS
C1	M25	B/40	:	PCB HARNESS
E1	M26	W/40	:	PCB HARNESS
E1	M27	B/40	:	PCB HARNESS
E1	M28	W/40	:	PCB HARNESS
F1	M29	B/40	:	PCB HARNESS
F1	M30	W/40	:	PCB HARNESS
B4	M31	GY/6	:	TILT & TELESCOPIC SWITCH
B3	M32	W/3	:	PADDLE SHIFTER (SHIFT-DOWN)
B2	M33	W/16	:	COMBINATION SWITCH
C3	M35	Y/7	:	COMBINATION SWITCH (SPIRAL CABLE)
C3	M36	GY/9	:	COMBINATION SWITCH (SPIRAL CABLE)
C3	M37	W/8	:	STEERING ANGLE SENSOR
D2	M39	W/4	:	PADDLE SHIFTER (SHIFT-UP)
G2	M43	W/32	:	LOW TIRE PRESSURE WARNING CONTROL UNIT
B1	M46	W/3	:	SUNLOAD SENSOR
E3	M47	W/24	:	SONAR CONTROL UNIT
C2	M48	W/6	:	TILT MOTOR
B2	M49	W/6	:	TELESCOPIC MOTOR
D2	M50	BR/8	:	PUSH-BUTTON IGNITION SWITCH
A2	M51	W/24	:	AUTOMATIC DRIVE POSITIONER CONTROL UNIT
A2	M52	W/6	:	AUTOMATIC DRIVE POSITIONER CONTROL UNIT
C1	M53	W/40	:	COMBINATION METER
B1	M54	W/12	:	METER CONTROL SWITCH
E2	M55	-	:	BODY GROUND
E2	M61	BR/6	:	CLIMATE CONTROLLED SEAT RELAY
D1	M63	BR/2	:	CENTER SPEAKER
A2	M65	W/2	:	CIRCUIT BREAKER
F3	M66	W/26	:	A/C AUTO AMP.
F2	M67	W/24	:	A/C AUTO AMP.
E2	M68	L/4	:	HEATED STEERING WHEEL RELAY
E3	M69	L/4	:	BACK-UP LAMP RELAY
E2	M70	L/4	:	FRONT HEATED SEAT RELAY
C4	M71	W/2	:	HEATED STEERING WHEEL
D2	M72	W/16	:	MULTIFUNCTION SWITCH
D2	M74	W/4	:	CLOCK
A3	M77	W/40	:	To B44
D5	M81	W/20	:	AV CONTROL UNIT
C4	M82	W/24	:	AV CONTROL UNIT
D5	M83	W/16	:	AV CONTROL UNIT
D5	M84	W/32	:	AV CONTROL UNIT

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HARNESS LAYOUT

D5	M85	W/12	:	AV CONTROL UNIT
C4	M86	L/5	:	AV CONTROL UNIT
F4	M90	G/5	:	USB CONNECTOR
F1	M91	BR/2	:	To M92
F1	M92	BR/2	:	To M91
F2	M93	W/2	:	GLOVE BOX LAMP
E1	M94	W/3	:	OPTICAL SENSOR
G1	M95	-	:	BODY GROUND
E5	M100	W/12	:	To B100
E1	M101	Y/4	:	PASSENGER AIR BAG MODULE
G1	M104	W/4	:	REMOTE KEYLESS ENTRY RECEIVER
A4	M105	W/40	:	To M181
A1	M106	W/8	:	To R1
G3	M107	GY/32	:	ECM
G2	M108	W/12	:	POWER STEERING CONTROL UNIT
F2	M109	W/2	:	BLOWER MOTOR
A2	M110	W/24	:	To R7
E3	M112	W/5	:	POWER TRANSISTOR
F3	M114	W/2	:	FOOT LAMP (PASSENGER SIDE)
G2	M116	W/46	:	To F103
G3	M117	W/100	:	To B201
B4	M120	B/40	:	BCM (BODY CONTROL MODULE)
A2	M121	B/15	:	BCM (BODY CONTROL MODULE)
A2	M122	B/15	:	BCM (BODY CONTROL MODULE)
B4	M123	W/40	:	BCM (BODY CONTROL MODULE)
G1	M125	W/12	:	CAN GATEWAY
C3	M130	W/4	:	NATS ANTENNA AMP.
E3	M131	L/2	:	INSIDE KEY ANTENNA (INSTRUMENT CENTER)
E4	M132	W/3	:	CIGARETTE LIGHTER SOCKET
E4	M133	W/3	:	FRONT POWER SOCKET
A3	M134	W/8	:	OPTION CONNECTOR
D4	M135	W/32	:	To M201
D4	M137	W/10	:	A/T SHIFT SELECTOR
E5	M143	B/6	:	YAW RATE / SIDE / DECEL G SENSOR
E4	M146	L/2	:	INSIDE KEY ANTENNA (CONSOLE)
E5	M147	FY/28	:	AIR BAG DIAGNOSIS SENSOR UNIT
D5	M148	B/2	:	CONSOLE POWER SOCKET
C4	M150	B/12	:	To M151
B2	M151	B/12	:	To M150
B1	M154	B/12	:	ACCELERATOR PEDAL ACTUATOR/ACCELERATOR PEDAL POSITION SENSOR
G3	M160	B/65	:	ECM
D2	M165	BR/8	:	DONGLE UNIT
A3	M181	W/40	:	To M105
B3	M182	W/16	:	DATA LINK CONNECTOR
B4	M183	B/12	:	TRIPLE SWITCH
C3	M185	W/2	:	IN-VEHICLE SENSOR
C4	M186	W/2	:	FOOT LAMP (DRIVER SIDE)
B4	M187	B/8	:	TRUNK LID OPENER SWITCH
A3	M188	GY/12	:	TWIN SWITCH
B4	M189	FL/20	:	JOINT CONNECTOR-M01
D4	M190	GY/24	:	JOINT CONNECTOR-M02
D1	M195	W/24	:	DISPLAY UNIT
D4	M198	W/10	:	FRONT HEATED SEAT SWITCH (DRIVER SIDE)
E4	M199	BR/8	:	FRONT HEATED SEAT SWITCH (PASSENGER SIDE)
F5	M200	W/16	:	To B200
E4	M201	W/32	:	To M135
D4	M202	BR/2	:	A/T SHIFT SELECTOR ILLUMINATION
E3	M203	B/10	:	DRIVE MODE SELECT SWITCH
D4	M204	W/10	:	CLIMATE CONTROLLED SEAT SWITCH (DRIVER SIDE)
F4	M205	BR/8	:	CLIMATE CONTROLLED SEAT SWITCH (PASSENGER SIDE)
D4	M206	W/8	:	To M207

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D3	M207	W/8	: To	M206
E3	M208	W/20	: AV CONTROL UNIT	
D2	M209	W/40	: AV CONTROL UNIT	
D2	M210	W/32	: AV CONTROL UNIT	
D2	M212	L/5	: AV CONTROL UNIT	
D2	M213	W/16	: AV CONTROL UNIT	
E2	M214	GY/16	: AV CONTROL UNIT	
E1	M215	W/24	: DISPLAY UNIT	
E3	M216	W/40	: TCU	
F3	M217	GY/16	: TCU	
A4	M220	BR/2	: To	-
A4	M221	W/3	: To	M222
B4	M222	W/3	: To	M221

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Body Harness

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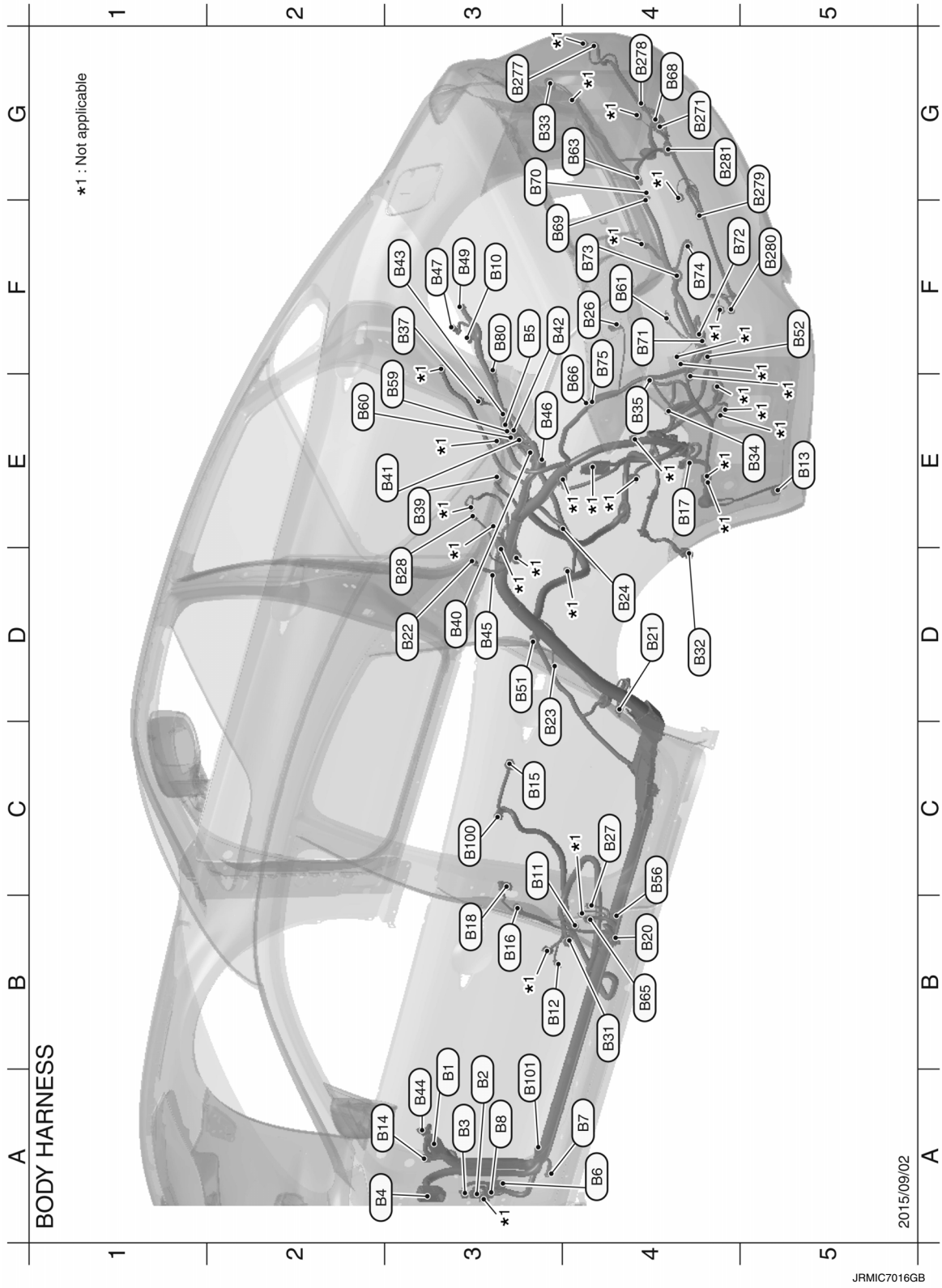
BODY HARNESS



HARNESS LAYOUT

A3	B1	W/100	:	To M7
A3	B2	W/6	:	To E113
A3	B3	W/2	:	To E105
A2	B4	W/55	:	To D1
F3	B5	W/24	:	To B222
A4	B6	BR/12	:	FUSE BLOCK (J/B)
A4	B7	-	:	BODY GROUND
A3	B8	W/12	:	To E115
F3	B10	W/24	:	ADAS CONTROL UNIT
C3	B11	W/16	:	To B501
B3	B12	Y/2	:	SIDE AIR BAG MODULE LH
E5	B13	B/4	:	TIRE PRESSURE RECEIVER REAR LH
A2	B14	W/24	:	To M12
C3	B15	FY/22	:	AIR BAG DIAGNOSIS SENSOR UNIT
B3	B16	W/3	:	FRONT DOOR SWITCH LH
E4	B17	W/16	:	AWD CONTROL UNIT
B3	B18	W/20	:	To D51
B4	B20	Y/2	:	SATELLITE SENSOR LH
D4	B21	GY/2	:	FUEL LEVEL SENSOR UNIT (SUB)
D3	B22	W/1	:	CONDENSER
D3	B23	W/3	:	REAR DOOR SWITCH LH
D4	B24	-	:	BODY GROUND
F4	B26	W/4	:	REAR COMBINATION LAMP LH (BODY SIDE)
C4	B27	Y/2	:	SEAT BELT PRE-TENSIONER LH
D3	B28	Y/2	:	CURTAIN AIR BAG MODULE LH
B4	B31	W/12	:	To B503
D4	B32	B/6	:	HEIGHT SENSOR
G3	B33	GY/16	:	To B245
E5	B34	B/2	:	REAR WHEEL SENSOR LH
E4	B35	GY/2	:	REAR WHEEL SENSOR RH

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F3	B37	W/6	:	To B84
E3	B39	BR/2	:	SATELLITE SPEAKER LH
D3	B40	W/16	:	To B240
E3	B41	BR/14	:	BOSE AMP.
F3	B42	BR/23	:	BOSE AMP.
F3	B43	W/40	:	BOSE AMP.
A3	B44	W/40	:	To M77
D3	B45	BR/2	:	HIGH-MOUNTED STOP LAMP
E3	B46	W/20	:	BOSE AMP.
F3	B47	W/2	:	TRUNK ROOM LAMP
F3	B49	L/2	:	INSIDE KEY ANTENNA (TRUNK ROOM)
D3	B51	B/8	:	To B230
F5	B52	B/6	:	SIDE RADAR LH
C4	B56	OR/2	:	LAP PRE-TENSIONER LH
E3	B59	W/20	:	ACTIVE NOISE CONTROL UNIT
E2	B60	W/16	:	ACTIVE NOISE CONTROL UNIT
F4	B61	-	:	BODY GROUND
G4	B63	L/2	:	OUTSIDE KEY ANTENNA (REAR BUMPER)
B4	B65	W/20	:	PRE-CRASH SEAT BELT CONTROL UNIT(DRIVER SIDE)
E4	B66	W/4	:	JOINT CONNECTOR-B03
G4	B68	B/6	:	To B271
F3	B69	W/4	:	JOINT CONNECTOR-B05
G3	B70	W/4	:	JOINT CONNECTOR-B06
F4	B71	B/6	:	To B72
F4	B72	B/6	:	To B71
F4	B73	GY/3	:	EVAP CONTROL SYSTEM PRESSURE SENSOR
F4	B74	B/2	:	EVAP CANISTER VENT CONTROL VALVE
F4	B75	W/4	:	JOINT CONNECTOR-B04
F3	B80	W/7	:	To B81
C3	B100	W/12	:	To M100

B3	B101	W/4	: OPTION CONNECTOR 1
G4	B271	B/6	: To B68
G3	B277	B/3	: CORNER SENSOR REAR RH
G4	B278	B/3	: CENTER SENSOR REAR RH
G5	B279	B/3	: CENTER SENSOR REAR LH
F5	B280	B/3	: CORNER SENSOR REAR LH
G4	B281	B/6	: JOINT CONNECTOR-B11

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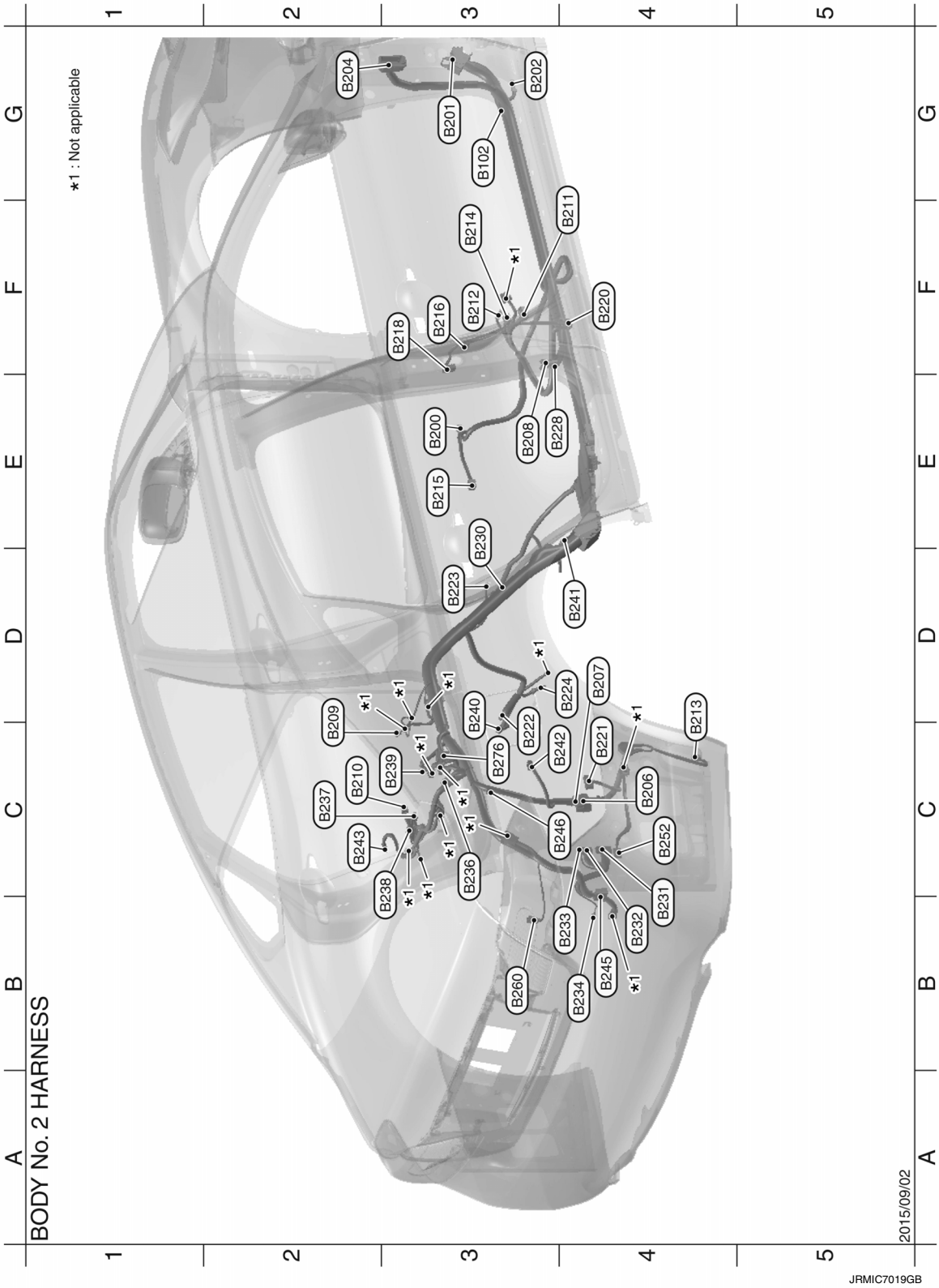
BODY No. 2 HARNESS
*1 : Not applicable
B204
B201
B202
B102
B211
B214
B212
B216
B218
B220
B200
B208
B228
B215
B230
B223
B241
B209
B210
B239
B237
B243
B238
B236
B240
B222
B242
B276
B224
B207
B221
B206
B213
B246
B252
B231
B232
B233
B234
B245
B260
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G3	B102	W/4	:	OPTION CONNECTOR 2
E3	B200	W/16	:	To M200
G3	B201	W/100	:	To M117
G3	B202	-	:	BODY GROUND
G2	B204	W/55	:	To D31
C4	B206	B/10	:	JUMPING CONNECTOR
D4	B207	B/10	:	JUMPING CONNECTOR
E3	B208	Y/2	:	SEAT BELT PRE-TENSIONER RH
D2	B209	Y/2	:	CURTAIN AIR BAG MODULE RH
C2	B210	W/16	:	DRIVER ASSISTANCE BUZZER CONTROL MODULE
F4	B211	W/18	:	To B551
F3	B212	Y/2	:	SIDE AIR BAG MODULE RH
D4	B213	B/4	:	TIRE PRESSURE RECEIVER REAR RH
F3	B214	W/8	:	OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT
E3	B215	FY/22	:	AIR BAG DIAGNOSIS SENSOR UNIT
F3	B216	W/3	:	FRONT DOOR SWITCH RH
F3	B218	W/20	:	To D71
F4	B220	Y/2	:	SATELLITE SENSOR RH
C4	B221	B/10	:	FUEL PUMP CONTROL MODULE
C3	B222	W/24	:	To B5
D3	B223	W/3	:	REAR DOOR SWITCH RH
D4	B224	-	:	BODY GROUND
E3	B228	W/20	:	PRE-CRASH SEAT BELT CONTROL UNIT(PASSENGER SIDE)
E3	B230	B/8	:	To B51
B4	B231	W/40	:	AROUND VIEW MONITOR CONTROL UNIT
B4	B232	W/32	:	AROUND VIEW MONITOR CONTROL UNIT
B4	B233	-	:	AROUND VIEW MONITOR CONTROL UNIT
B4	B234	-	:	BODY GROUND
C3	B236	W/16	:	SATELLITE RADIO TUNER
C2	B237	W/32	:	TEL ADAPTER UNIT
C3	B238	W/8	:	TEL ADAPTER UNIT
C3	B239	BR/2	:	SATELLITE SPEAKER RH
D3	B240	W/16	:	To B40
D4	B241	GY/5	:	FUEL LEVEL SENSOR UNIT AND FUEL PUMP (MAIN)
C3	B242	W/4	:	FUEL LID LOCK ACTUATOR
C2	B243	W/2	:	REAR WOOFER
B4	B245	GY/16	:	To B33
C3	B246	W/4	:	JOINT CONNECTOR-B02
C4	B252	B/6	:	SIDE RADAR RH
B3	B260	W/4	:	REAR COMBINATION LAMP RH (BODY SIDE)
C3	B276	W/16	:	To T13

JRMIC7020GB

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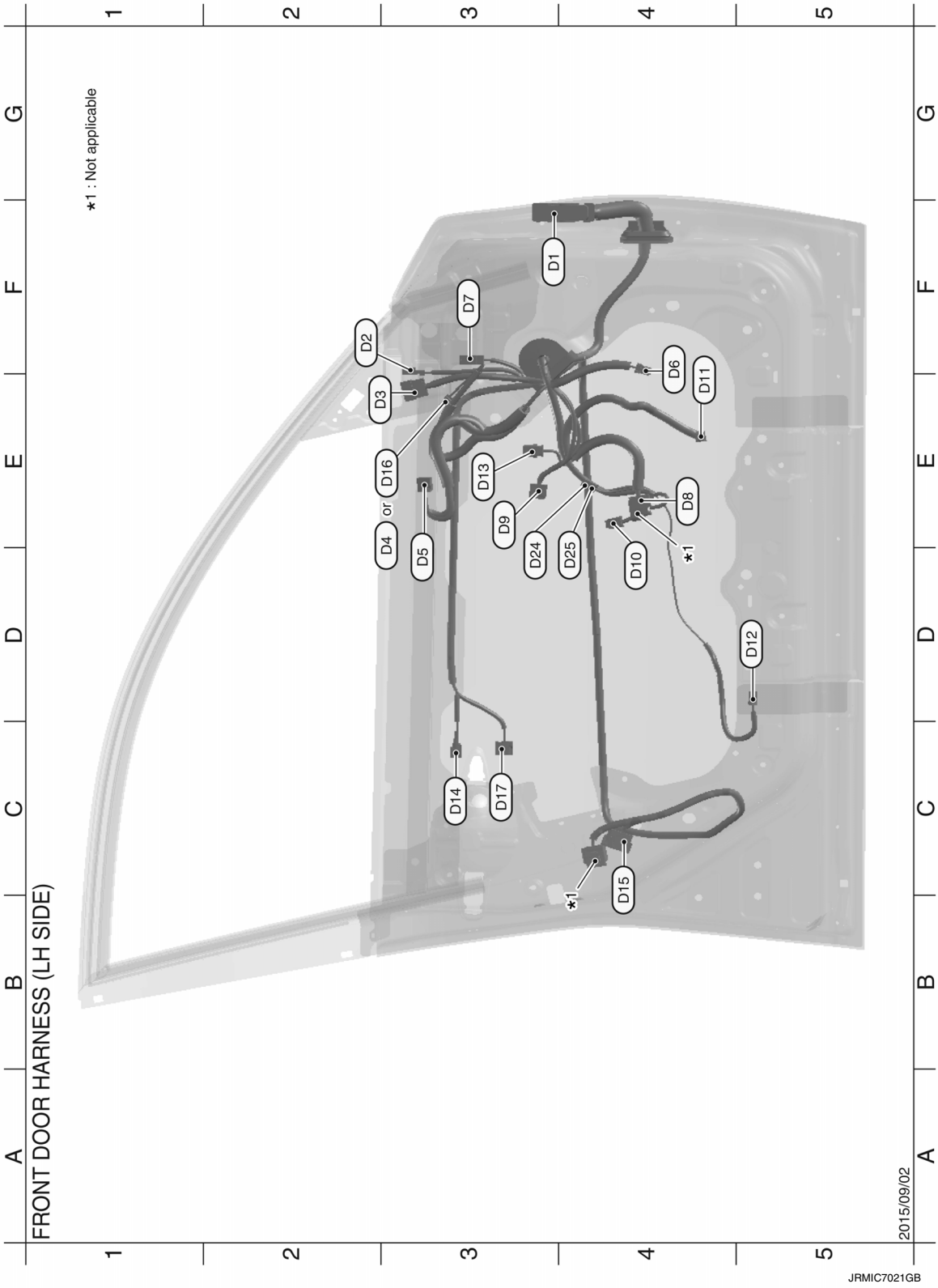
Door Harness

INFOID:0000000012349364

FRONT DOOR HARNESS (LH SIDE)



HARNESS LAYOUT

F3	D1	W/55	:	To B4
F2	D2	BR/2	:	TWEETER LH
E2	D3	W/24	:	DOOR MIRROR (DRIVER SIDE)
E3	D4	BR/2	:	FRONT DOOR SQUAWKER LH
D3	D5	W/16	:	SEAT MEMORY SWITCH
F4	D6	W/2	:	FRONT DOOR SPEAKER LH
F3	D7	W/4	:	BLIND SPOT WARNING/BLIND SPOT INTERVENTION INDICATOR LH
E4	D8	W/24	:	To D18
E3	D9	W/8	:	To D19
D4	D10	W/6	:	FRONT POWER WINDOW MOTOR (DRIVER SIDE)
E4	D11	W/2	:	FRONT DOOR WOOFER LH
D5	D12	W/2	:	STEP LAMP (DRIVER SIDE)
E3	D13	Y/2	:	FRONT DOOR SATELLITE SENSOR LH
C3	D14	GY/2	:	OUTSIDE KEY ANTENNA (DRIVER SIDE)
C4	D15	GY/6	:	FRONT DOOR LOCK ASSEMBLY (DRIVER SIDE)
E3	D16	BR/2	:	FRONT DOOR SQUAWKER LH
C3	D17	W/6	:	FRONT OUTSIDE HANDLE ASSEMBLY LH
D3	D24	W/4	:	JOINT CONNECTOR-DO2
D4	D25	W/4	:	JOINT CONNECTOR-DO3

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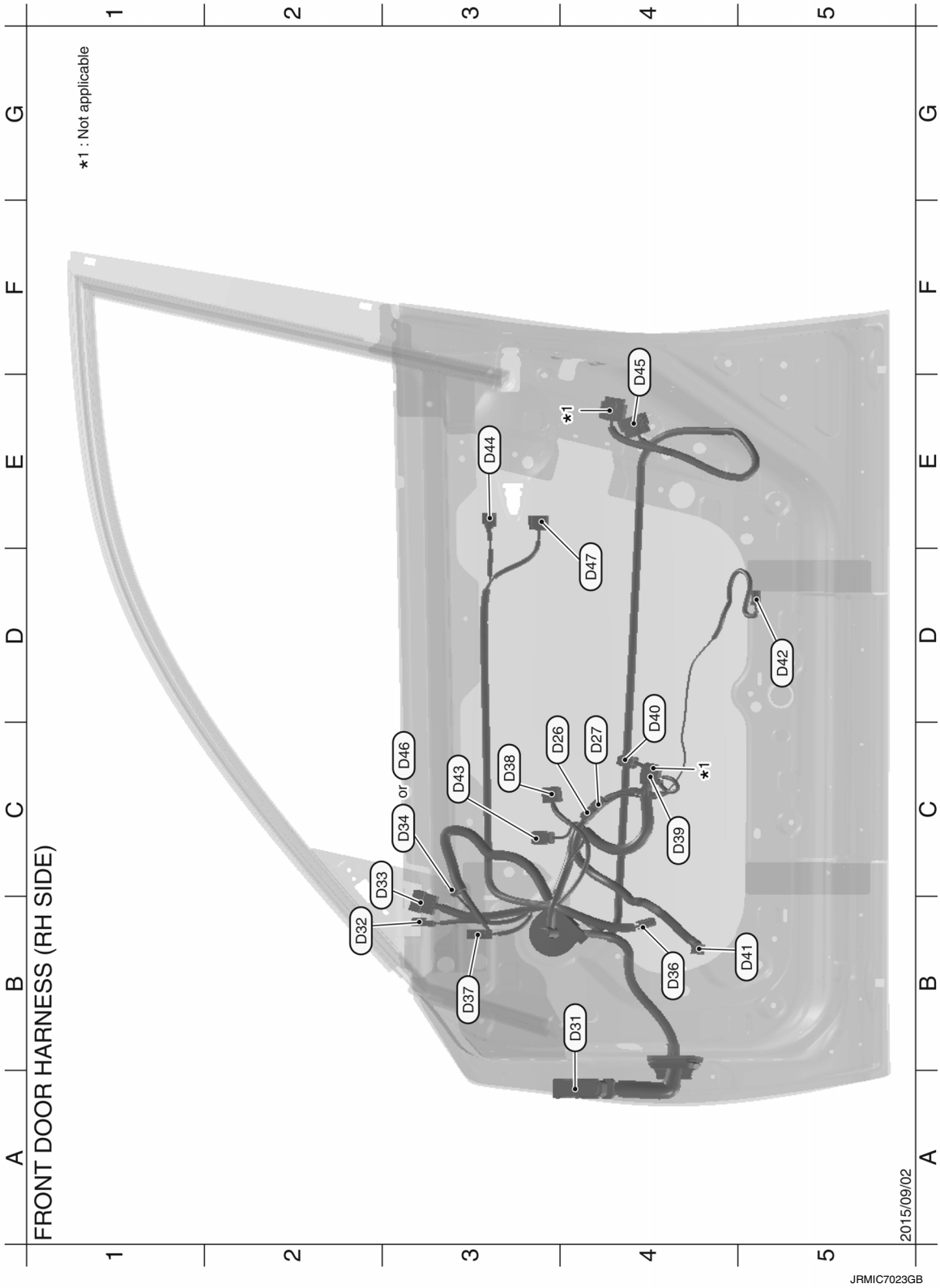
2015/09/02

FRONT DOOR HARNESS (RH SIDE)



HARNESS LAYOUT

C3	D26	W/4	:	JOINT CONNECTOR-D12
C4	D27	W/4	:	JOINT CONNECTOR-D13
B4	D31	W/55	:	To B204
B2	D32	BR/2	:	TWEETER RH
C2	D33	W/24	:	DOOR MIRROR (PASSENGER SIDE)
C3	D34	BR/2	:	FRONT DOOR SQUAWKER RH
B4	D36	W/2	:	FRONT DOOR SPEAKER RH
B3	D37	W/4	:	BLIND SPOT WARNING/BLIND SPOT INTERVENTION INDICATOR RH
C3	D38	W/8	:	To D48
C4	D39	W/8	:	To D49
D4	D40	W/6	:	FRONT POWER WINDOW MOTOR (PASSENGER SIDE)
B5	D41	W/2	:	FRONT DOOR WOOFER RH
D5	D42	W/2	:	STEP LAMP (PASSENGER SIDE)
C3	D43	Y/2	:	FRONT DOOR SATELLITE SENSOR RH
E3	D44	GY/2	:	OUTSIDE KEY ANTENNA (PASSENGER SIDE)
F4	D45	GY/6	:	FRONT DOOR LOCK ASSEMBLY (PASSENGER SIDE)
C3	D46	BR/2	:	FRONT DOOR SQUAWKER RH
D4	D47	W/6	:	FRONT OUTSIDE HANDLE ASSEMBLY RH

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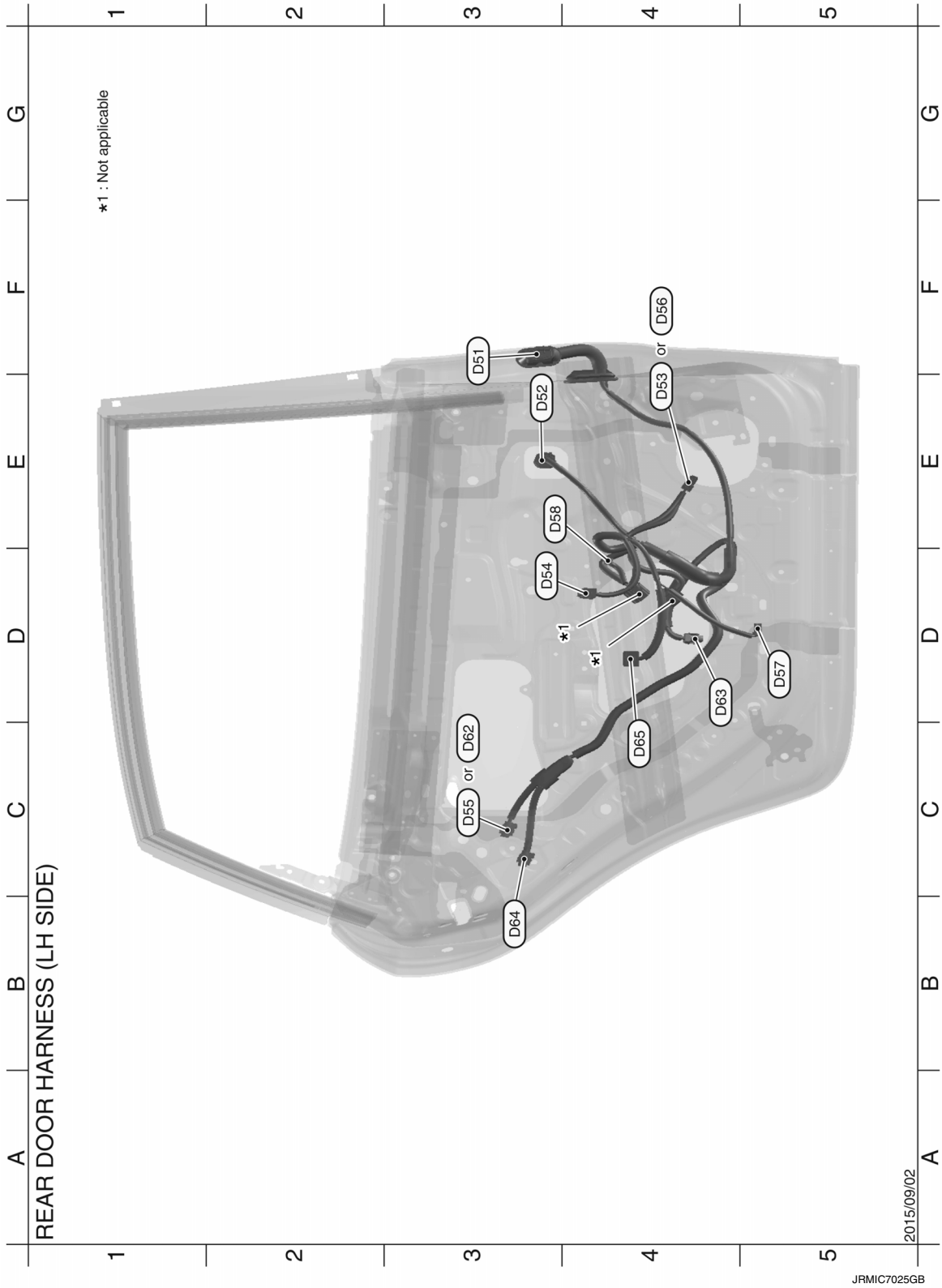
2015/09/02


REAR DOOR HARNESS (LH SIDE)
*1 : Not applicable
D51
D52
D53
or
D56
D54
D58
*1
*1
D55
or
D62
D64
D65
D63
D57
2015/09/02
JRMIC7025GB

F3	D51	W/20	: To	B18	
E3	D52	GY/6	:	REAR POWER WINDOW MOTOR LH	
E4	D53	W/2	:	REAR DOOR SPEAKER LH	
D3	D54	W/16	:	REAR POWER WINDOW SWITCH LH	
C3	D55	GY/6	:	REAR DOOR LOCK ASSEMBLY LH	
F4	D56	BR/2	:	REAR DOOR SPEAKER LH	
D5	D57	W/2	:	STEP LAMP (REAR LH)	
E3	D58	W/3	:	ASHTRAY ILLUMINATION (REAR LH)	
C3	D62	GY/4	:	REAR DOOR LOCK ASSEMBLY LH	
D4	D63	B/4	:	REAR DOOR CLOSURE MOTOR ASSEMBLY LH	
B3	D64	B/4	:	REAR DOOR LOCK ASSEMBLY LH	
C4	D65	W/10	:	REAR DOOR CLOSURE CONTROL UNIT LH	

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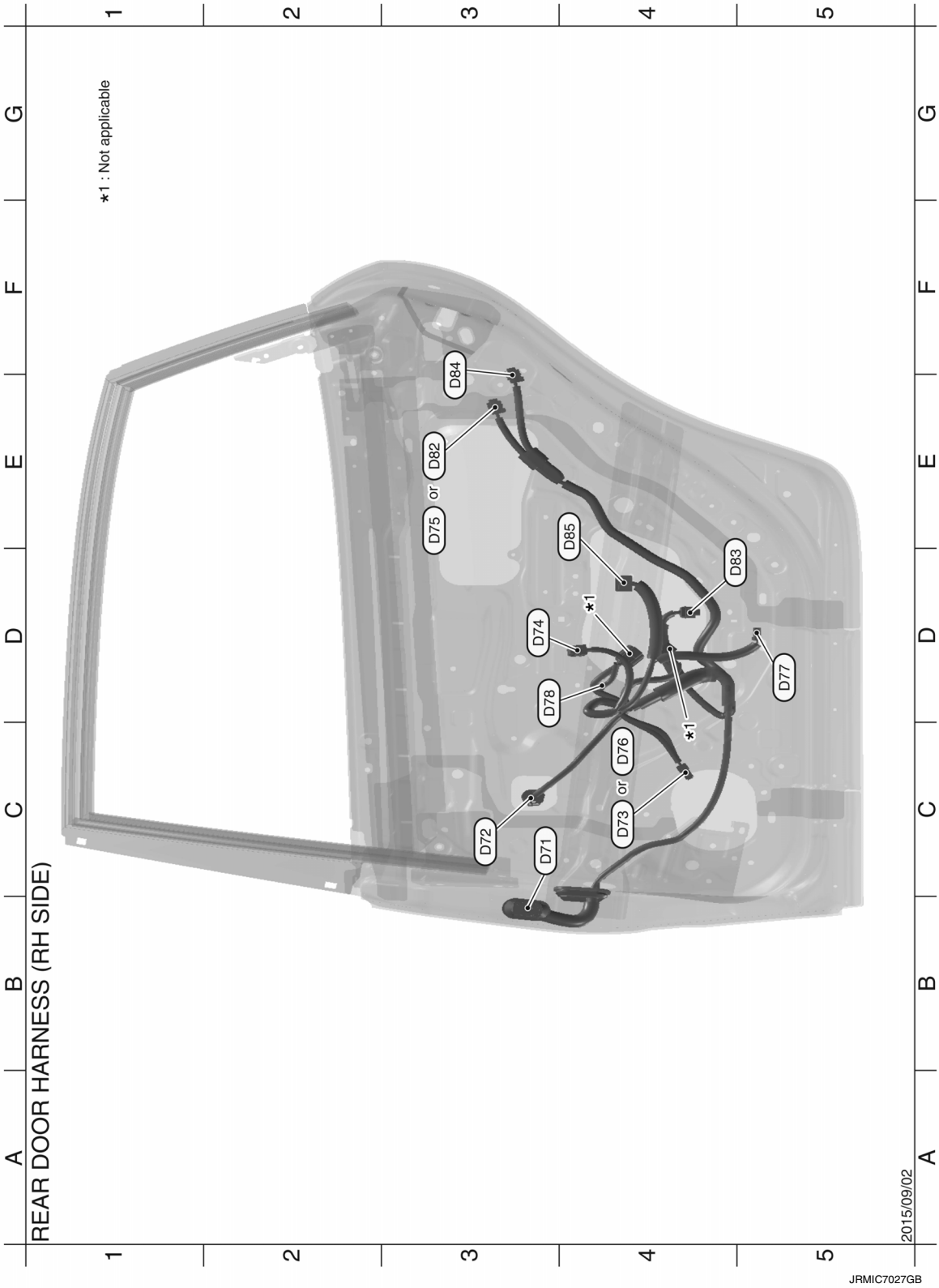
REAR DOOR HARNESS (RH SIDE)



C3	D71	W/20	: To	B218	
C3	D72	GY/6	: REAR POWER WINDOW MOTOR RH		
C4	D73	W/2	: REAR DOOR SPEAKER RH		
D3	D74	W/16	: REAR POWER WINDOW SWITCH RH		
E3	D75	GY/6	: REAR DOOR LOCK ASSEMBLY RH		
C4	D76	BR/2	: REAR DOOR SPEAKER RH		
D5	D77	W/2	: STEP LAMP (REAR RH)		
D3	D78	W/3	: ASHTRAY ILLUMINATION (REAR RH)		
E3	D82	GY/4	: REAR DOOR LOCK ASSEMBLY RH		
D4	D83	B/4	: REAR DOOR CLOSURE MOTOR ASSEMBLY RH		
E3	D84	B/4	: REAR DOOR LOCK ASSEMBLY RH		
E4	D85	W/10	: REAR DOOR CLOSURE CONTROL UNIT RH		

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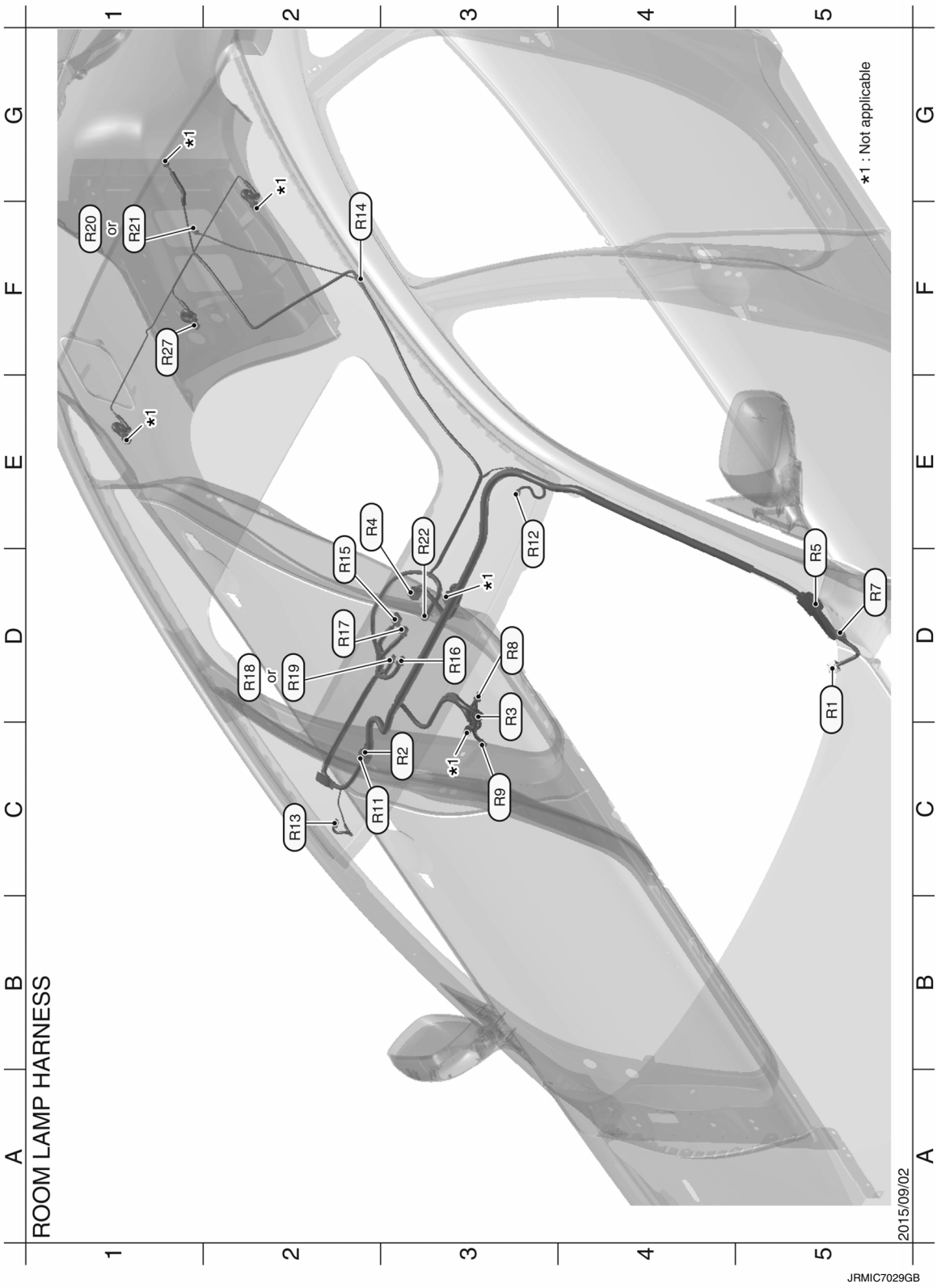
JRMIC7028GB

Room Lamp Harness

INFOID:0000000012349365



HARNESS LAYOUT

D5	R1	W/8	:	To M106
C3	R2	W/24	:	To R11
D3	R3	B/10	:	AUTO ANTI-DAZZLING INSIDE MIRROR
E2	R4	GY/10	:	SUNROOF MOTOR ASSEMBLY
D5	R5	W/3	:	To M5
D5	R7	W/24	:	To M110
D3	R8	W/8	:	LANE CAMERA UNIT
C3	R9	B/3	:	RAIN SENSOR
C2	R11	W/24	:	To R2
E3	R12	W/2	:	VANITY MIRROR LAMP (DRIVER SIDE)
C2	R13	W/2	:	VANITY MIRROR LAMP (PASSENGER SIDE)
F2	R14	W/4	:	PERSONAL LAMP
D2	R15	GY/8	:	MAP LAMP
D3	R16	W/8	:	SUNROOF SWITCH
D2	R17	W/4	:	MICROPHONE
D2	R18	W/4	:	FRONT MICROPHONE (ACTIVE NOISE CONTROL)
D2	R19	BR/2	:	FRONT MICROPHONE (ACTIVE NOISE CONTROL)
F1	R20	W/4	:	REAR MICROPHONE (ACTIVE NOISE CONTROL)
F1	R21	BR/2	:	REAR MICROPHONE (ACTIVE NOISE CONTROL)
E3	R22	W/8	:	TELEMATICS SWITCH
F1	R27	-	:	REAR SPOT LAMP

JRMIC7030GB

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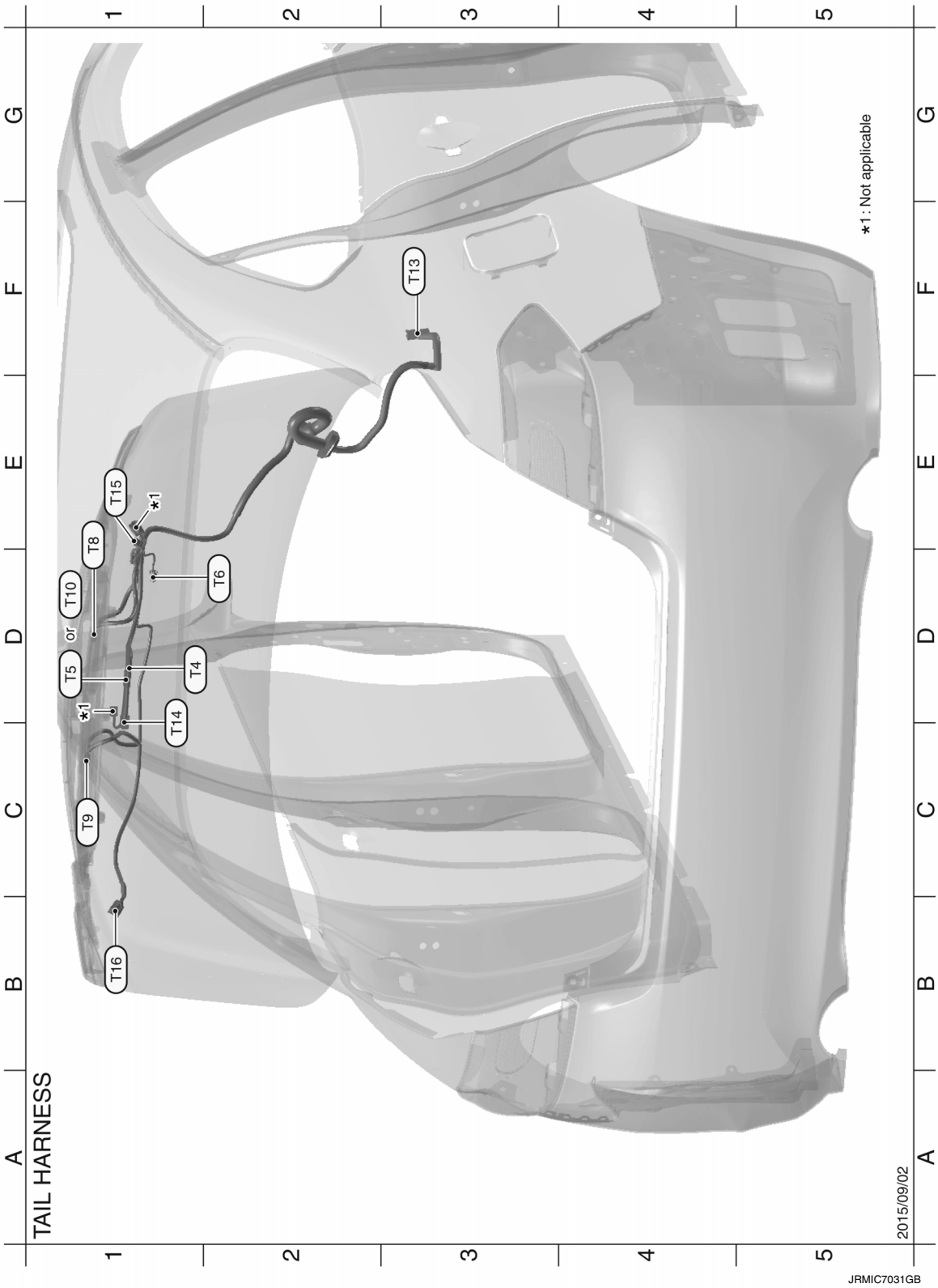
Tail Harness

INFOID:0000000012349366



D1	T4	BR/2	: TRUNK LID OPENER REQUEST SWITCH
D1	T5	W/4	: REAR VIEW CAMERA
D2	T6	W/3	: TRUNK KEY CYLINDER SWITCH
E1	T8	W/2	: LICENSE PLATE LAMP RH
C1	T9	W/2	: LICENSE PLATE LAMP LH
D1	T10	W/4	: REAR CAMERA
F3	T13	W/16	: To B276
D1	T14	W/6	: TRUNK CLOSURE ASSEMBLY
E1	T15	W/4	: REAR COMBINATION LAMP RH (TRUNK LID SIDE)
B1	T16	W/4	: REAR COMBINATION LAMP LH (TRUNK LID SIDE)

2015/09/02

JRMIC7032GB

BASIC INSPECTION

BATTERY INSPECTION

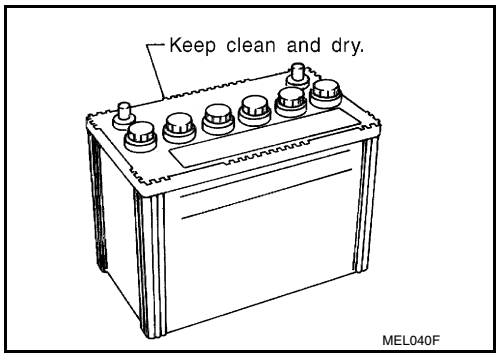
How to Handle Battery

INFOID:0000000012349367

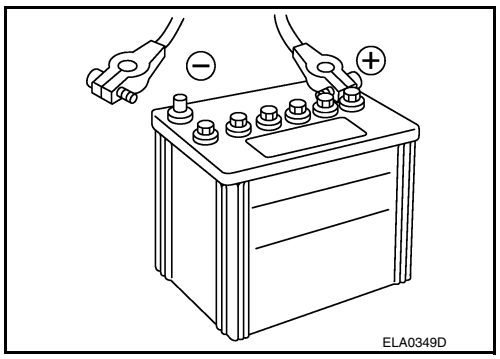
CAUTION:
- **If it becomes necessary to start the engine with a booster battery and jumper cables, use a 12-volt booster battery.**
- **After connecting battery cables, ensure that they are tightly clamped to battery terminals for good contact.**
- **Never add distilled water through the hole used to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



Work Flow

INFOID:0000000012349368

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

To diagnose and confirm the condition of the battery, use the following special service tools:
- EXP-800 NI Battery and electrical diagnostic analyzer
- GR8-1200 NI Multitasking battery and electrical diagnostic station

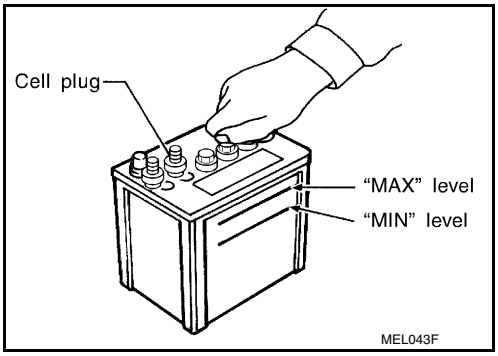
NOTE:
Refer to the applicable instruction manual for proper battery diagnosis procedures.

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

Check Electrolyte Level

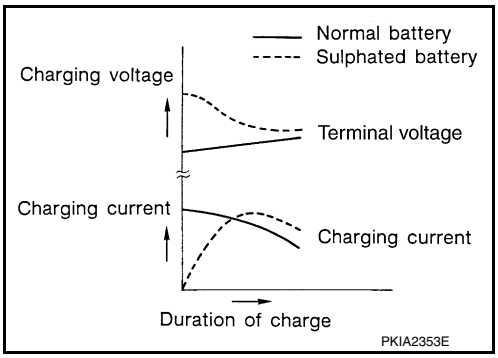
WARNING:
Never allow battery fluid to come in contact with skin, eyes, fabrics, or painted surfaces. After touching a battery, never touch or rub your eyes until you have thoroughly washed your hands. If acid contacts eyes, skin or clothing, immediately flush with water for 15 minutes and seek medical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

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



SULPHATION

- **A battery will be completely discharged if it is left unattended for a long time and the specific gravity will become less than 1.100. This may result in sulphation on the cell plates.**
- **To determine if a battery has been "sulphated", note its voltage and current when charging it. As shown in the figure, less current and higher voltage are observed in the initial stage of charging sulphated batteries.**
- **A sulphated battery may sometimes be brought back into service by means of a long, slow charge, 12 hours or more, followed by a battery capacity test.**



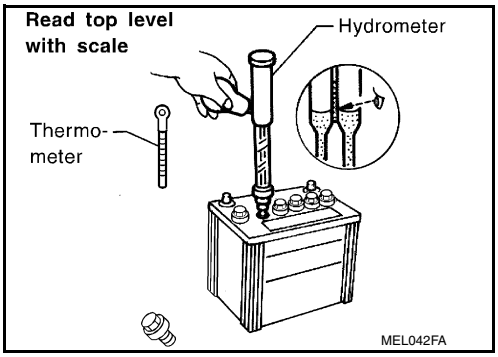
Specific Gravity Check

NOTE:

Check the charge condition of the battery.

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

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



Hydrometer Temperature Correction

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

Battery electrolyte temperature [°C (°F)]	Add to specific gravity reading
4 (40)	–0.016
–1 (30)	–0.020
–7 (20)	–0.024
–12 (10)	–0.028
–18 (0)	–0.032

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

Charging The Battery

CAUTION:

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

Charging Rates (Standard Charge)

Approximate charge condition	Charge current (A)	Charge time (h)
Fully charged	7	2
3/4 charged		2.5
1/2 charged		5
1/4 charged		7.5
Almost discharged		9
Completely discharged		10

Charging Rates (Quick Charge)

Approximate charge condition	Charge current (A)	Charge time (h)
Fully charged	—	—
3/4 charged	16	0.5
1/2 charged	33	
1/4 charged		
Almost discharged		
Completely discharged	—	—

NOTE:

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

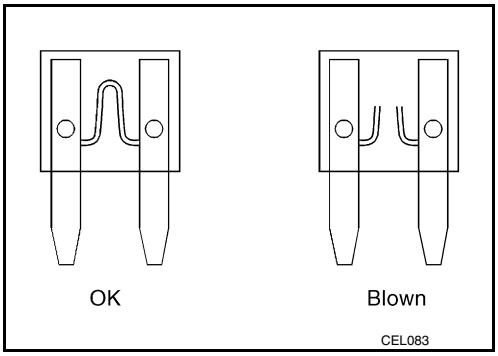
- If, after charging, the specific gravity of any two cells varies more than 0.050, the battery should be replaced.

FUSE INSPECTION

How To Check

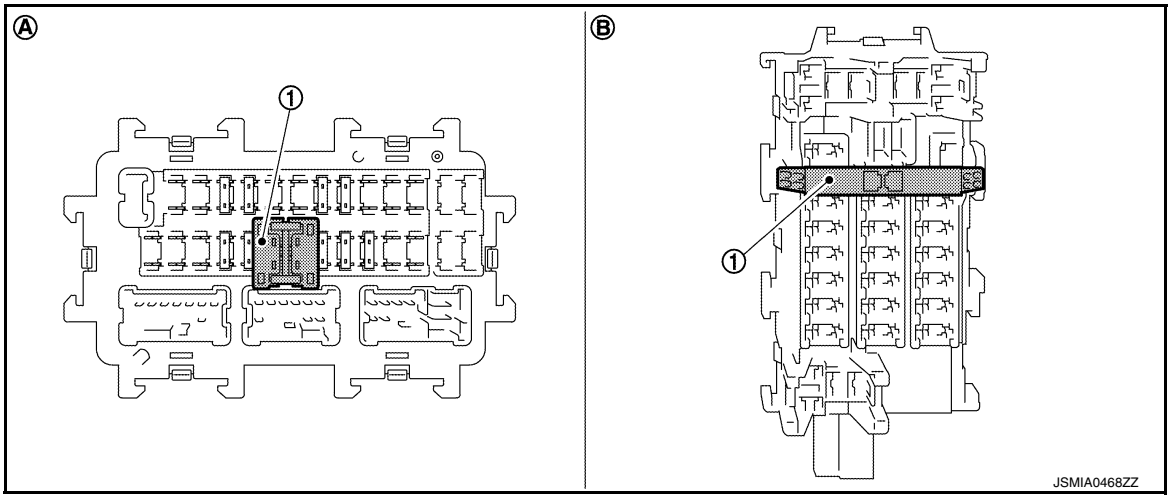
INFOID:0000000012349369

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



EXTENDED STORAGE SWITCH (IF EQUIPPED)

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



1. Extended storage switch

A. Type A B. Type B

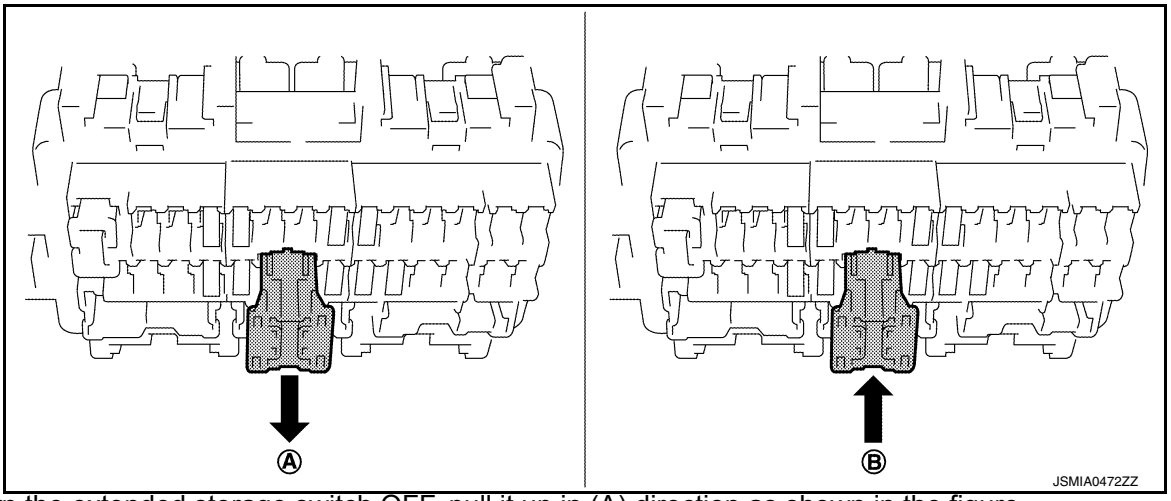
- Remove the extended storage switch when replacing the fuse of extended storage switch.
- Remove the extended storage switch if it causes the interference when the fuse or the other fuses is checked.

How To Extended Storage Switch ON/OFF

CAUTION:

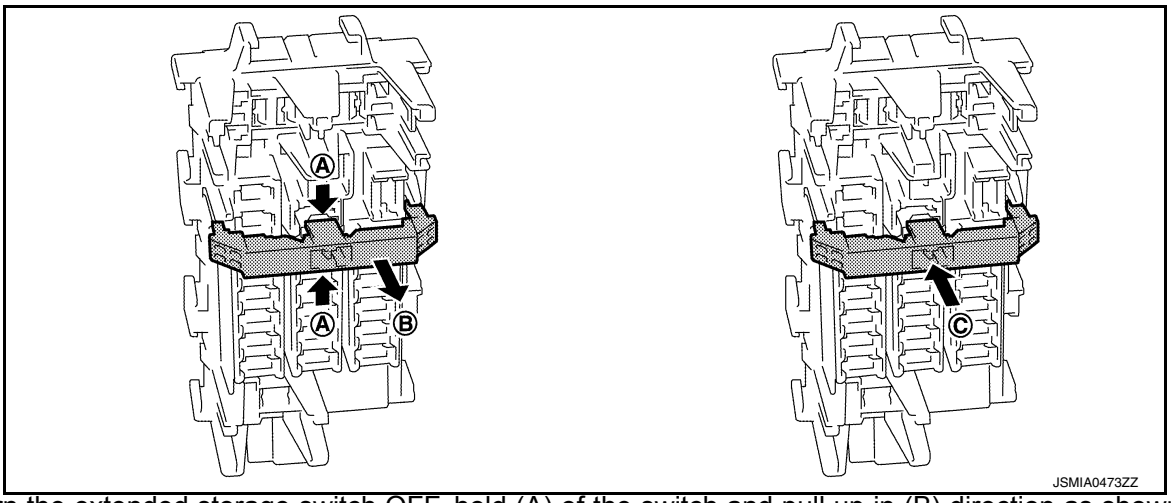
- **Turn the ignition switch OFF when operating the extended storage switch.**
- **Under normal conditions, keep the extended storage switch in ON state. Never operate the extended storage switch except when necessary.**

- Type A



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

- Type B

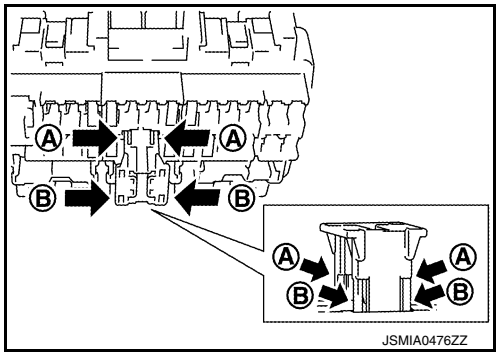


- To turn the extended storage switch OFF, hold (A) of the switch and pull up in (B) direction as shown in the figure.
- To turn the extended storage switch ON, press it in (C) direction as shown in the figure.

How To Remove Extended Storage Switch

Type A

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



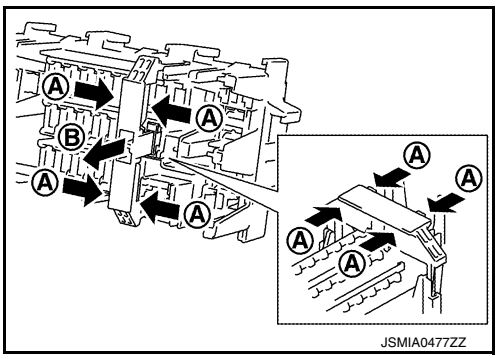
NOTE:

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

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

Type B

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



NOTE:

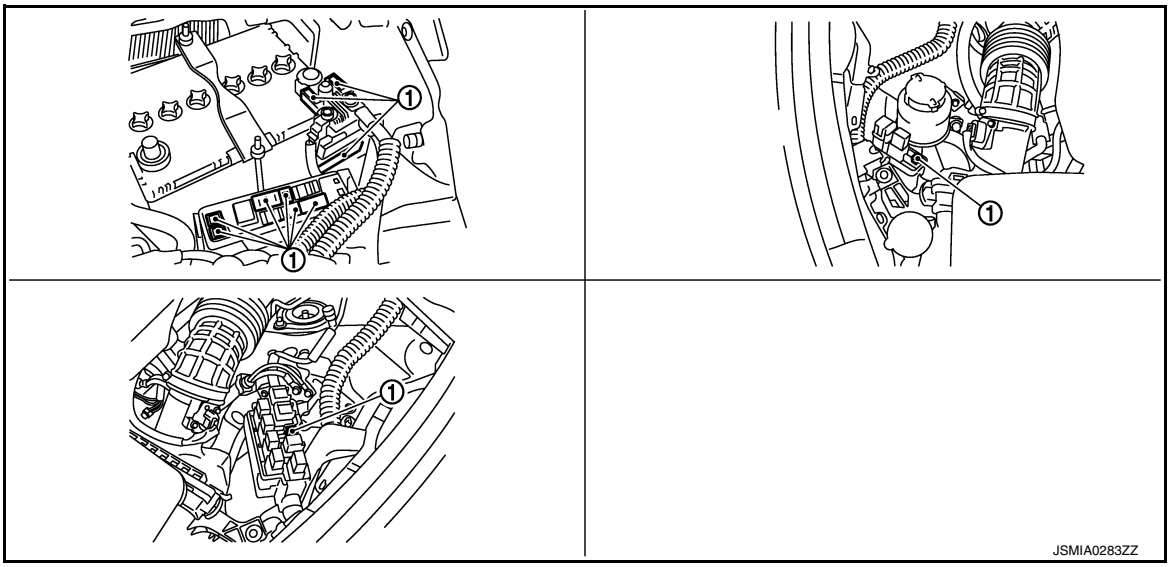
- Extended storage switch and fuse may be removed together. Remove fuse from extended storage switch, if necessary.
- Extended storage switch is for transportation and storage. Reinstallation is not required after the removal.

FUSIBLE LINK INSPECTION

How To Check

INFOID:0000000012349370

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.**

REMOVAL AND INSTALLATION

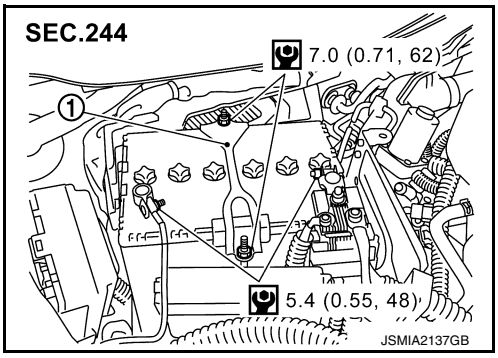
BATTERY

Exploded View

INFOID:0000000012349371

1 : Battery fix frame

Refer to GI-3, "Contents" for symbols in the figure.



Removal and Installation

INFOID:0000000012349372

REMOVAL

1. Remove battery cover.
2. Remove cowl top cover (RH). Refer to EXT-23, "Exploded View".
3. Remove cover of battery positive terminal.
4. Loosen battery terminal nuts, and disconnect both battery cables from battery terminals. Refer to PG-3, "Precautions for Removing Battery Terminal" and PG-164, "Exploded View".
   CAUTION:
   When disconnecting, disconnect the battery cable from the negative terminal first.
5. Remove battery fix frame mounting nuts and battery fix frame.
6. Remove battery.

INSTALLATION

Install in the reverse order of removal.

CAUTION:

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

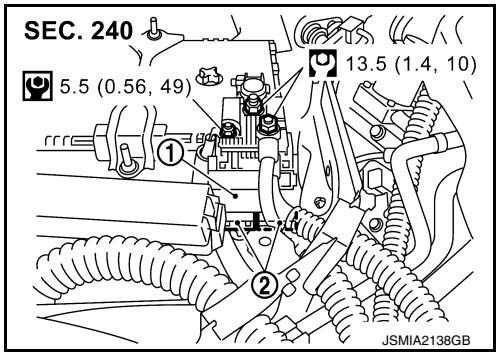
Reset electronic systems as necessary. Refer to GI-74, "ADDITIONAL SERVICE WHEN REMOVING BATTERY NEGATIVE TERMINAL : Required Procedure After Battery Disconnection".

BATTERY TERMINAL WITH FUSIBLE LINK

Exploded View

INFOID:0000000012349373

1 : Battery terminal with fusible link
2 : Harness connector
Refer to GI-3, "Contents" for symbols in the figure.



Removal and Installation

INFOID:0000000012349374

REMOVAL

1. Remove battery cover.
2. Disconnect the battery cable from the negative terminal. Refer to PG-3, "Precautions for Removing Battery Terminal" and PG-164, "Exploded View".
3. Remove cover of battery positive terminal.
4. Remove harness mounting nuts and battery terminal with fusible link mounting nut.
5. Disconnect harness connector and remove battery terminal with fusible link.

INSTALLATION

Install in the reverse order of removal.

SERVICE DATA AND SPECIFICATIONS (SDS)

SERVICE DATA AND SPECIFICATIONS (SDS)

Battery

INFOID:0000000012349375

Application		VQ37VHR engine models	VK56VD engine models
Type		110D26L-HR	110D26L-HP
20 hour rate capacity	[V - Ah]	12 - 75	12 - 75
Cold cranking current (For reference value)	[A]	720	720