# SECTION POWER SUPPLY, GROUND & CIRCUIT ELEMENTS

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## < PRECAUTION >

# PRECAUTION PRECAUTIONS

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

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, it is recommended that all maintenance and repair be performed by an authorized NISSAN/INFINITI dealer.
- Improper repair, 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:

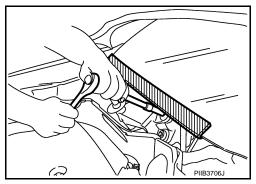
Always observe the following items for preventing accidental activation.

- 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 or batteries, and wait at least 3 minutes before performing any service.

#### Precaution for Procedure without Cowl Top Cover

INFOID:000000012791605

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



## Precautions As to Battery Designed for Stop/Start System

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- Vehicles equipped with the stop/start system use a special battery designed for the stop/start system. This
  battery has upgrades in charge-discharge performance and lifetime.
- It is mandatory to always use a battery designed for the stop/start system. Failure to do this causes early deterioration or system malfunction.

#### NOTE:

- The stop/start system is not activated if the battery temperature is 5 °C (41 °F) or less.
- The stop/start system is not activated if the battery becomes weak.

## PRECAUTIONS

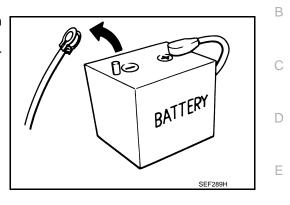
#### < PRECAUTION >

## Precautions for Removing Battery Terminal

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:

BR08DE	: 4 minutes	V9X engine	: 4 minutes
D4D engine	: 20 minutes	YD25DDTi	: 2 minutes
HR09DET	: 12 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		



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#### 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.

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## < PREPARATION > PREPARATION PREPARATION

## Special Service Tools

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

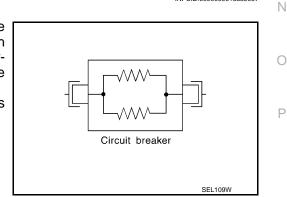
	TEM DESCRIPTION >		
SYS	STEM DESCRIPTI	ON	A
	PONENT PARTS		
VR30	DDTT		В
VR30	DDTT : Component Parts	Location	INFOID:000000013389095
			С
	0		D
			E
			F
			G
			Н
		(A)	1
		JSI	MIA1378ZZ J
No.	Component	Function	
1	Battery	Refer to PG-7, "VR30DDTT : Battery".	K

## VR30DDTT : Battery

Туре		Q-85	
20 hour rate capacity	[V – Ah]	12 - 62	PG
Cold cranking current (For reference value)	[A]	600	

## VR30DDTT : Circuit Breaker

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



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#### < SYSTEM DESCRIPTION >

#### VR30DDTT : Harness Connector

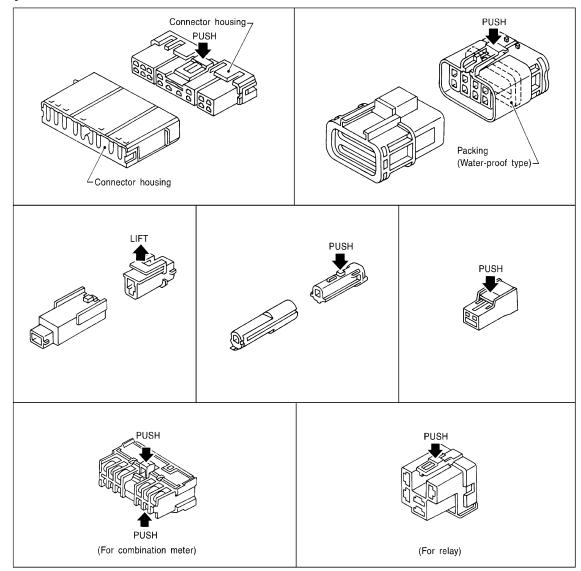
#### HARNESS CONNECTOR (TAB-LOCKING TYPE)

- 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.

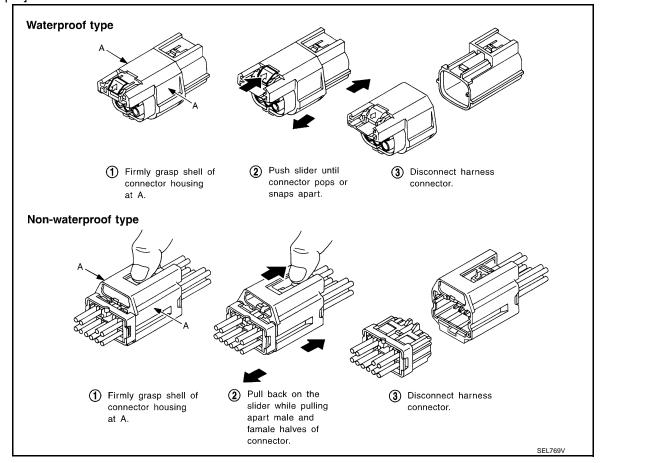
#### CAUTION:

• Never pull the harness or wires when disconnecting the connector.

#### < SYSTEM DESCRIPTION >

#### • Be careful not to damage the connector support bracket when disconnecting the connector.





#### HARNESS CONNECTOR (LEVER LOCKING TYPE)

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

#### **CAUTION:**

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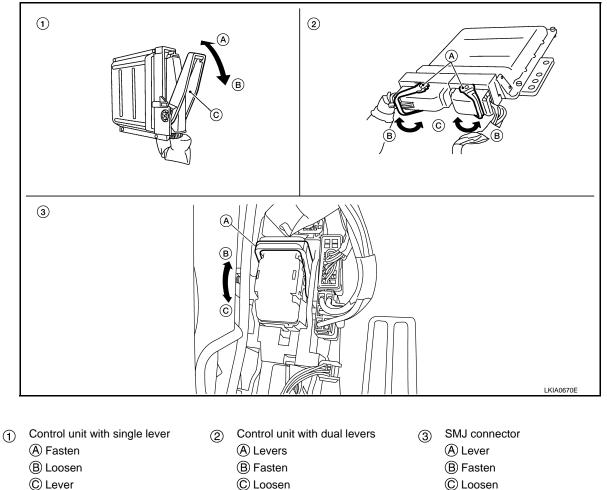
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#### < SYSTEM DESCRIPTION >

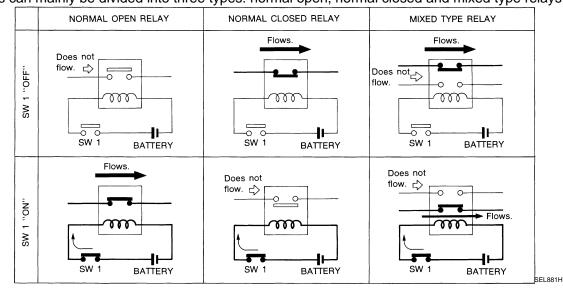
# Always confirm the lever is fully released (loosened) before attempting to disconnect or connect these connectors to avoid damage to the connector housing or terminals.



## VR30DDTT : Standardized Relay

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#### 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

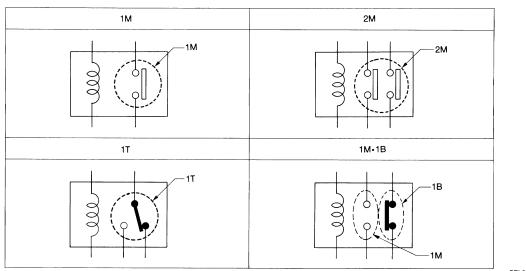
#### < SYSTEM DESCRIPTION >

#### 1M ..... 1 Make

2M ······ 2 Make

1T ..... 1 Transfer

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



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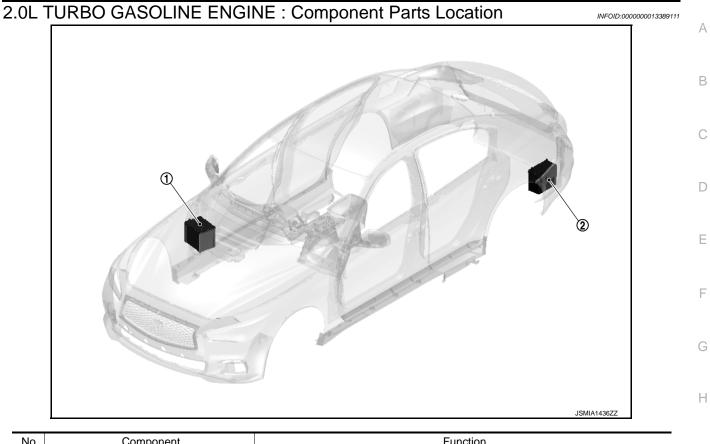
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#### < SYSTEM DESCRIPTION >

Туре	Outer view	Circuit	Connector symbol and connection	Case color
1T				BLACK
2М				BROWN
1 <b>M•</b> 1B				GRAY
				BLACK
1M				BLUE
The arran	gement of terminal numbers on th	ne actual relays may differ from	those shown above.	JSMIA14990

2.0L TURBO GASOLINE ENGINE

#### < SYSTEM DESCRIPTION >



No.	Component	Function
1	Main battery	Refer to PG-13, "2.0L TURBO GASOLINE ENGINE : Main battery".
2	Sub battery	Refer to PG-13, "2.0L TURBO GASOLINE ENGINE : Sub battery".

## 2.0L TURBO GASOLINE ENGINE : Main battery

Туре		S-95	—— K
20 hour rate capacity	[V – Ah]	12 – 75	
Cold cranking current (For reference value)	[A]	780	L

#### **CAUTION:**

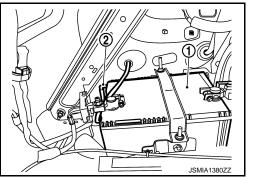
It is mandatory to always use a battery designed for the stop/start system. Failure to do this causes early deterioration or system malfunction.

2.0L TURBO GASOLINE ENGINE : Sub battery

- The battery ① is mounted in the trunk room.
- Vent tube ② is installed to the battery to protect the trunk room from being filled with combustible gas when overcharge occurs. (Combustible gas is not emitted during normal charge.)

#### CAUTION:

# For gas leakage, remove the battery from the vehicle to charge in a well-ventilated area.



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## SPECIFICATIONS

#### < SYSTEM DESCRIPTION >

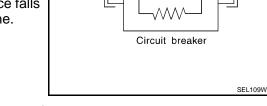
Туре		Q-85-MF	
20 hour rate capacity	[V – Ah]	12 - 62	
Cold cranking current (For reference value)	[A]	600	

#### **CAUTION:**

It is mandatory to always use a battery designed for the stop/start system. Failure to do this causes early deterioration or system malfunction.

## 2.0L TURBO GASOLINE ENGINE : Circuit Breaker

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



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## 2.0L TURBO GASOLINE ENGINE : Harness Connector

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

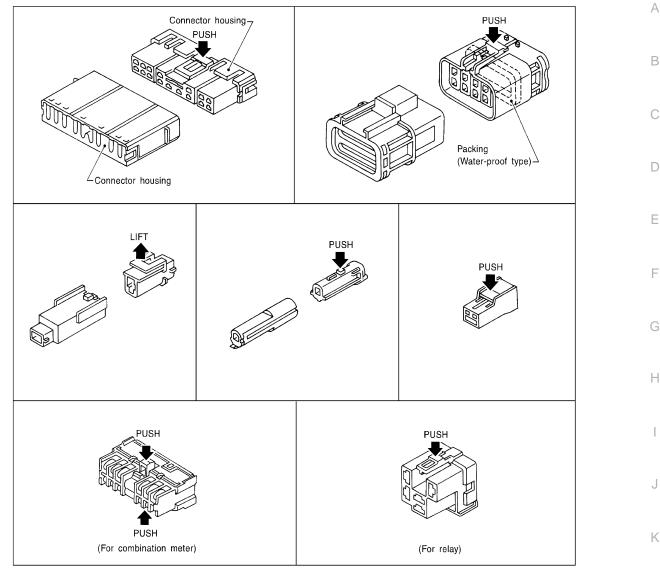
- The tab-locking type connectors help prevent accidental looseness or disconnection.
- The tab-locking type connectors are disconnected by pushing or lifting the locking tab(s). Refer to the figure below.

#### **CAUTION:**

#### Never pull the harness or wires when disconnecting the connector.

#### < SYSTEM DESCRIPTION >

#### [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.
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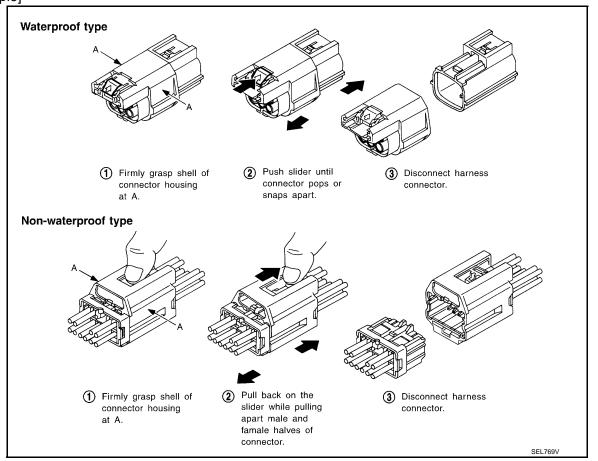
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#### < SYSTEM DESCRIPTION >





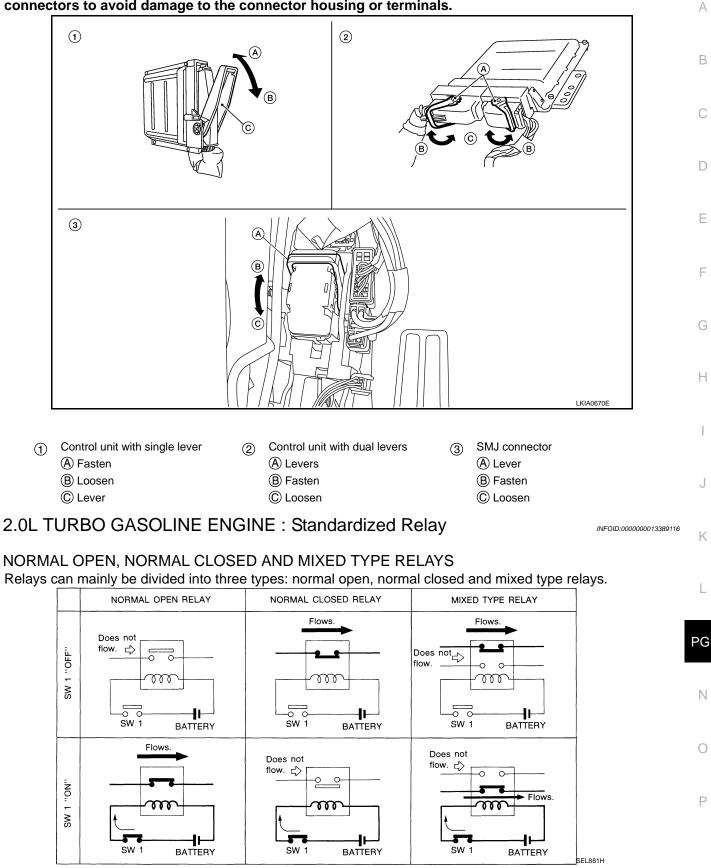
#### HARNESS CONNECTOR (LEVER LOCKING TYPE)

- 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:**

#### < SYSTEM DESCRIPTION >

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



## TYPE OF STANDARDIZED RELAYS

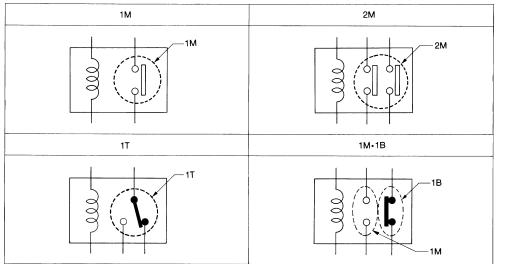
#### < SYSTEM DESCRIPTION >

#### 1M ..... 1 Make

2M ..... 2 Make

1T ..... 1 Transfer

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



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#### < SYSTEM DESCRIPTION >

Туре	Outer view	Circuit	Connector symbol and connection	Case color	A
1T				BLACK	B C D
2M				BROWN	F
1M•1B				GRAY	G H I
				BLACK	J K L
1M	a gement of terminal numbers on the		a those shown above	BLUE	PG N O

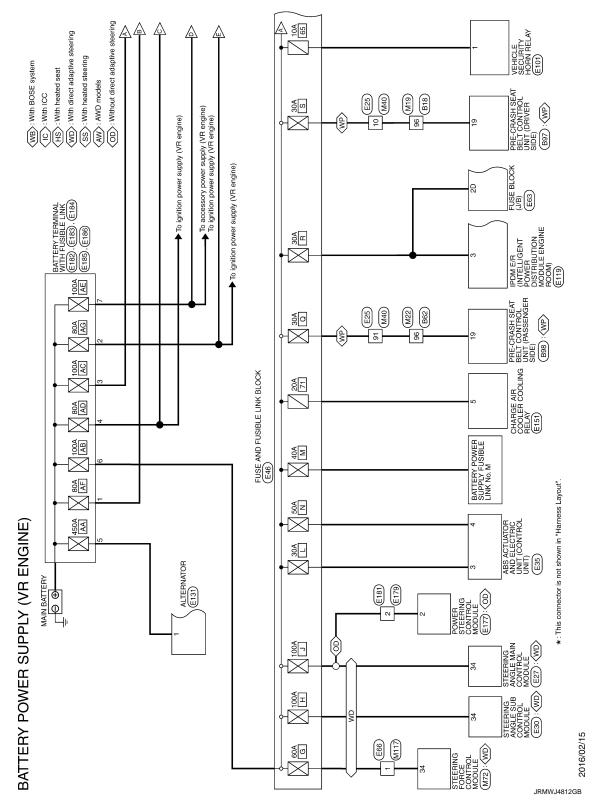
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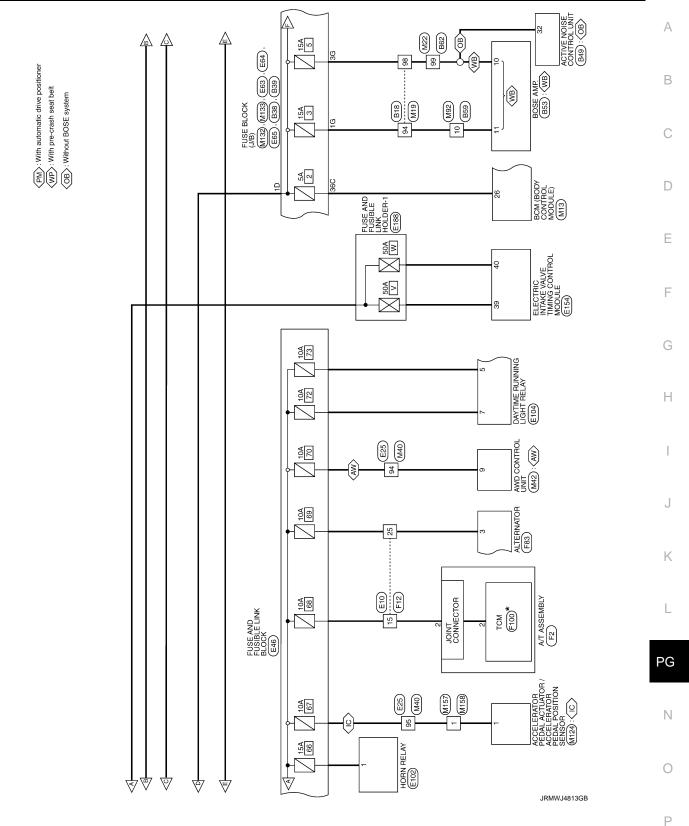
< WIRING DIAGRAM >

## WIRING DIAGRAM POWER SUPPLY ROUTING CIRCUIT VR30DDTT

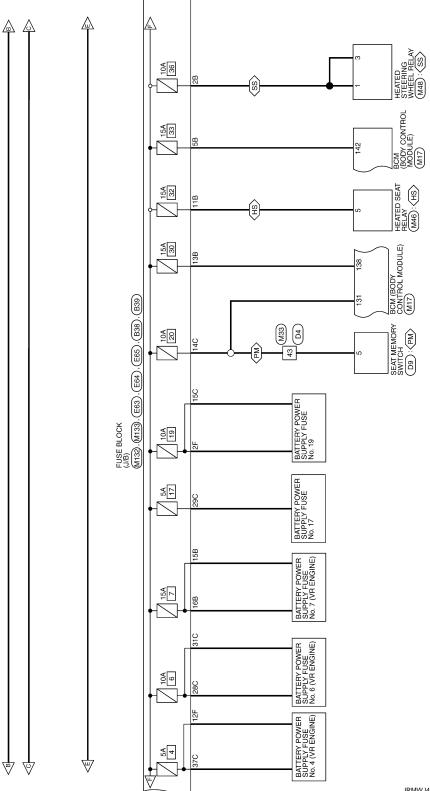
VR30DDTT : Wiring Diagram - BATTERY POWER SUPPLY -



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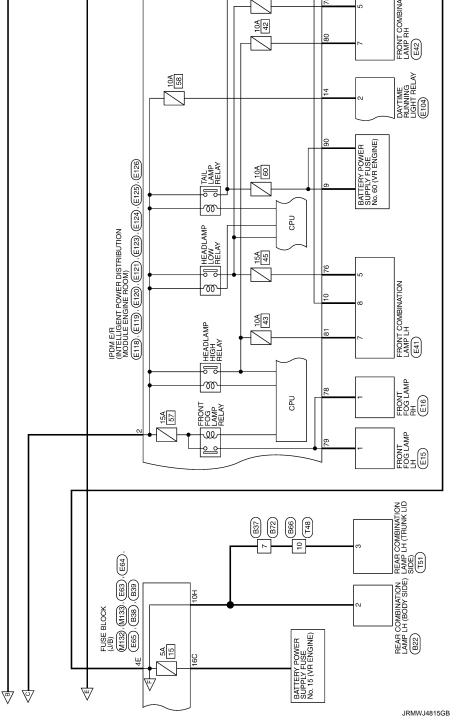
< WIRING DIAGRAM >



JRMWJ4814GB

#### < WIRING DIAGRAM >

10A  $\wedge$  $\mathbb{A}$  $\overline{\ }$ 15A 44 FRONT COMBINATION LAMP RH (E42) 10A 8 DAYTIME RUNNING LIGHT RELAY E104 10A 58



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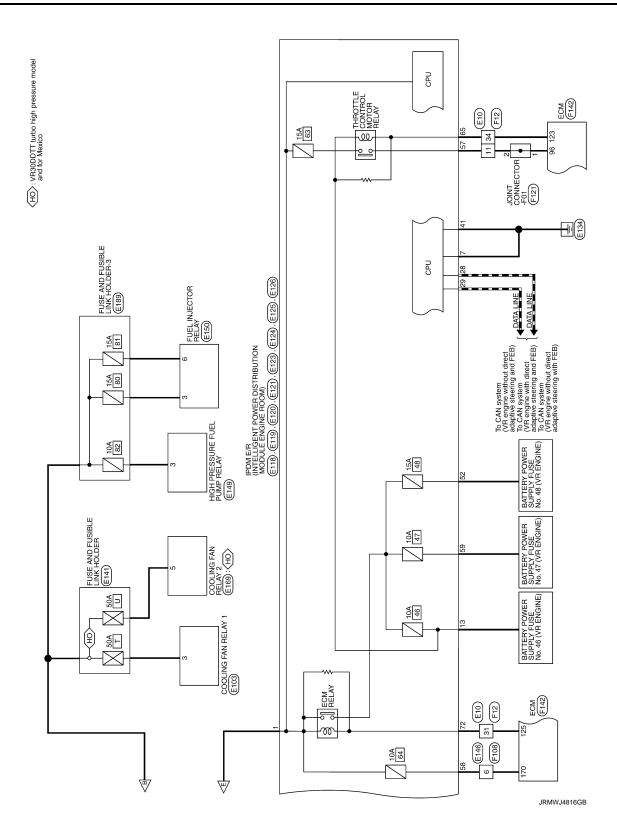
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#### < WIRING DIAGRAM >



## POWER SUPPLY ROUTING CIRCUIT

#### Revision: November 2016

wnc         wnc         Aut         Signal Name [Specification]         Signal Name [Specification]         Signal Name [Specification]	A
837     Wife TO Wife       Wife TO Wife     Hold To Mife       Hold To Mife     Signal Name [Sp       Signal Name [Sp     -	С
Connector No. Connector None Connector Type A.S. H.S. H.C. Connector None A.S. H.C. Connector None A.S. H.C. H.C. Connector None A.S. H.C. H.C. Connector None Connector None A.S. H.C. H.C. Connector None Connector None	D
venti BOSE systemi) trationi astei	Е
1.       - With WBO engine and with BOSE system         1.       - Fickept with WBO engine and with BOSE system         1.       - Except with WBO engine and with BOSE system         1.       - Except with WBO engine and with BOSE system         1.       - Except with WBO engine and with BOSE system         1.       - Except with WBO engine and with BOSE system         1.	F
B B Color of B Color of B B B B B B B B B B B B B	G
Bit         Commettor         Commettor           0	Η
	I
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37         53           38         10           39         10           40         41           41         91           42         91           43         10           44         96           55         1           56         1           57         1           58         1           73         1           74         1           73         1           54         1           73         1           54         1           73         1           73         1           74         1           75         1           74         1           73         1           74         1           75         1           73         1           74         1           73         1           73         1           73         1           73         1           74         1           73         1           73         1 <t< td=""><td>Κ</td></t<>	Κ
R ENGINE	L
Signal Name [Specification of the second of	PG
REAY         POWH           1.100.         0.101	Ν
BATTERY Connector Name Connector Name Conne	0

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## **POWER SUPPLY ROUTING CIRCUIT**

	002         102 <th>ENGINE SEED SIGNAL IGN IGN FRONT MICROPHONE SIGNAL (-) REAM MICROPHONE SIGNAL (-) REAM MICROPHONE SIGNAL (-) SOUND SIGNAL FRONT BH (-)</th> <th>e</th> <th></th> <th>╈</th> <th></th>	ENGINE SEED SIGNAL IGN IGN FRONT MICROPHONE SIGNAL (-) REAM MICROPHONE SIGNAL (-) REAM MICROPHONE SIGNAL (-) SOUND SIGNAL FRONT BH (-)	e		╈	
	Н10FbHH         23         6           61         61         24         8           1         23         1         1           23         1         23         1         1           1         1         23         1         1           1         1         1         1         1         1           1         1         1         1         1         1         1           1	NO FRONT MICROPHONE SIGNAL (-) FRONT MICROPHONE SIGNAL (-) SCUND SIGNAL FRONT H-(-) SCUND SIGNAL FRONT H-(-) SCUND SIGNAL FRONT H-(-) COUND SIGNAL FRONT H-(-) COUND SIGNAL FRONT H-(-)	T			
	24         R           25         W           25         W           29         L           30         P           31         V           32         V           33         V           29         L           31         V           32         V           33         V           34         Signal Name [Specification]           Connector No.         Econnector No.           50         Connector No.	FRONT MICROPHONE SIGNAL (-) REAR MICROPHONE SIGNAL (-) SOUND SIGNAL FRONT (-) SOUND SIGNAL FRONT (-) SOUND SIGNAL FRONT FRI (-) SOUND SIGNAL FRONT FRI (-)			+	
	3         25         W           5H         1         28         L           100         100         1         1         1           100         Vire         30         1         V           100         Vire         1         1         1         V           100         Vire         5         1         V         1         V           100         Vire         5         1         1         V         1         V           100         Vire         5         5         1         V         1         V         1         1         1         V         1	REAR MICROPHONE SIGNAL (-) SOUND SIGNAL FRONT LH (-) SOUND SIGNAL FRONT RH (-) SOUND SIGNAL REAR LH (-) COUND SIGNAL REAR LH (-)	1		Н	,
	Signal Name [Specification]     Connector No.	SOUND SIGNAL FRONT LH (-) SOUND SIGNAL FRONT TH (-) SOUND SIGNAL FRAR LH (-) SOUND SIGNAL FRAR LH (-)			-	,
	Signal Name [Specification]     Connector No.	SOUND SIGNAL FROM INT (7) SOUND SIGNAL REAR LH (-)	1110	<u>۽</u> ب	+	
	10/19/18/17/16/1     31     V       32     V       Signal Name [Specification]     Connector No.		14 13	-	_	, ,
	Signal Name (Specification) Connector No.		C Q / Q	n	-	
	Signal Name [Specification] Connector No.	BAT				
	Signal Name [Specification] Connector No.		- F		Connector No.	B62
	Wire         Gomestor No.           P         Connector No.           P         Connector Name		Color Of	cification	Connector Name	WIRE TO WIRE
	P Connector Name L	350	Wire			
		ROUND VIEW MONITOR CONTROL UNIT	_	WOOFER (+)	Connector Type	TH80FW-CS16-TM4
			_	R WOOFER (-)	ą	
	R - Connector Type	'H40FW-NH		OR WOOFER RH (+)	(TAP)	d 🚽
	-		>	OR WOOFER RH (-)	S H	4: 20 82 82 8 2 8 8 8 8 8
			BR	DR SPEAKER LH (+)		
	Field	K	æ	DR SPEAKER LH (-)		
		8	8			
	_	25 27	>	OR WOOFER LH (-)		
minimum       minim       minimum       minimum			٩	DR SPEAKER RH (-)	- F	-
B43       Image: contract of monostration of monostratina data in the monostration of monostration of			BR			
<ul> <li></li></ul>	849		GR		┥	obiei senic (obceniceron)
Image: manual product in the	ACTIVE NOISE CONTROL LINIT	Signal Name [Snacification]	в		1 BR	- [With 2.0L turbo gasoline engine and without BOSE System]
Im32rwAlit       Im32rwAlit <td>No.</td> <td></td> <td>Р</td> <td>OR WOOFER LH (+)</td> <td>1 LG</td> <td>- [With VR30 engine]</td>	No.		Р	OR WOOFER LH (+)	1 LG	- [With VR30 engine]
	TH32FW-NH 1	GND	L	DR SPEAKER RH (+)	1 W	- [With 2.0L turbo gasoline engine and with BOSE system]
	2 Y	BAT			2 L	
Image: Signal manual specification in the specifi	3	IGN			2 SHIELD	
Image: state in the s	4	ACC			3 BR	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>
20         1G         W COMM (U)           21         1         1         1           21         1         1         1         1           21         1         1         1         1         1           21         1         1         1         1         1         1           21         1         1         1         1         1         1         1           22         1		AV COMM (H)				- [With VR30 engine and with BOSE system]
23         SHELD         AL COMMISION         Connector Type         Nuclearing         4	29 28 25 24 23 20 19 18 20	AV COMM (L)	,		3 W	- [With VR30 engine and without BOSE system]
35         BIG         REVERSES IGNAL Mule         35         BIG         REVERSES IGNAL Mule         4         V           Color         Signal Name (specification)         28         P         Colv1         28         P         Colv1           F         Colv1         28         P         Colv1         0x14         0x14           F         Colv1         28         P         Colv1         0x14         0x14           7         28         V         Colv1         0x14         0x14         0x14           8         Colv1         0x14         0x14         0x14         0x14         0x14           7         Colv1         Colv1         0x14         0x14         0x14         0x14           8         Colv1         Colv1         Colv1         0x14         0x14 <td>23</td> <td>AV COMM GND</td> <td></td> <td></td> <td></td> <td></td>	23	AV COMM GND				
Control         Control <t< td=""><td>_</td><td>REVERSE SIGNAL</td><td>4</td><td></td><td>4 Υ</td><td><ul> <li>[With 2.0L turbo gasoline engine]</li> </ul></td></t<>	_	REVERSE SIGNAL	4		4 Υ	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>
Color of Nicrol         Signal Name (specification)         28         P         CAUL (MM:L) (MM:L) (MM:L) (MM:L) SH(L)         T	27 L	CAN-H				- [With VR30 engine]
Wire         angenumer processing         Count (For 201, Unith ADAS)         Count (For 201, Unith ADAS)<	Color Of Stanal Name [Cnecification] 28 P	CAN-L [Without ADAS] [For VR30 engine]	0	11-		<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>
SHELD         GND         28         Y         CAN1. [FD: 2.01. turbus gasoline regine]         6         7         2	Wire Seminant province 28 R	CAN-L [With ADAS]	7654	N	_	- [With VR30 engine]
P         CMM: [Fin 2.01 turbo generative segnet)         29         B         Refract motion contained and solutions           8         CMM: [Fin 2.01 turbo generative segnet)         29         B         Refract motions contained and solutions         7         R         7         W         7         W         7         Y         W         7         Y         W         7         Y         W         7         Y         W         7         Y	GND 28 Y	CAN-L [Without ADAS] [For 2.0L turbo gasoline engine]	15 14 13 1	ი	┥	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>
R         Exclusion Spanning         30         W         REFACT MOTOR OPERATING SIGNAL (DEV)           B         Exclusion Free Signal         32         G         REFACT MOTOR OPERATING SIGNAL (DOED)         7         W         7         W         7         W         7         W         1         7         W         1         7         W         1         7         W         1         7         W         1         7         W         1         7         W         1         7         W         1         7         W         1         1         Y         1         1         Y         1         1         Y         1         1         Y         1         1         Y         1         1         Y         1         1	CAN-L [For 2.0L turbo gasoline engine] 29 B	CAN GND			7 B	- [With 2.0L turbo gasoline engine and with BOSE system]
B         FRIGNE TYPE SIGNAL1         32         G         REFRACT MOTOR OPERATING SIGNAL (LLOS)         7         W           6         FRIGNE TYPE SIGNAL3         0         Non         Non         Non         Y	CAN-L [For VR30 engine] 30 W	RETRACT MOTOR OPERATING SIGNAL (OPEN)			7 BR	- [With VR30 engine and without BOSE system]
B         Enclinial         Color Of Expansion         Signal Name (Specification)         7         Y        <	ENGINE TYPE SIGNAL 1 32 G	RETRACT MOTOR OPERATING SIGNAL (CLOSE)			7 W	- [With VR30 engine and with BOSE system]
G         FRONT MICROPHORE SIGNAL (+)         No.         Wire         Demonstrate parameter para	в		Calar Of	rification	7 Υ	- [With 2.0L turbo gasoline engine and without BOSE System]
BG         REAR MIGROPHORE SIGNAL (+)         8         6           6         SOUND SIGNAL FROMT ILH (+)         2         1         Y         -         9         UG           7         SOUND SIGNAL REMORT ILH (+)         3         Y         -         -         9         UG           1         LG         SOUND SIGNAL REMORT ILH (+)         -         -         9         UG           1         LG         SOUND SIGNAL REMART RM (+)         -         -         9         HG           1         LG         SOUND SIGNAL REMART H(+)         -         -         10         Y           1         A         N         -         -         -         10         Y           1         A         N         -         -         10         Y	9		Wire			- [With VR30 engine and with BOSE system]
G         SOUND SIGNAL FROMT IH (+)         2         L         ·         ·         Y         ·           R         SOUND SIGNAL FROMT IH (+)         · <td< td=""><td>BG</td><td></td><td>1 Y -</td><td></td><td></td><td>- [With 2.0L turbo gasoline engine]</td></td<>	BG		1 Y -			- [With 2.0L turbo gasoline engine]
R         SOUND SIGNAL REMETH (+)         3         V         -         9         1G           1G         SOUND SIGNAL REMETH (+)         -         -         9         9         1G           1G         SOUND SIGNAL REMETH (+)         -         -         -         -         9         1G           1G         SOUND SIGNAL REMETH (+)         -         -         -         -         10         V           1         SOUND SIGNAL REMETH (+)         -         -         -         -         11         -         11         -           1         ACC         -         -         -         -         -         -         11         -	9		2 L -		8	- [With VR30 engine and without BOSE system]
LG         SOUND SIGNAL REAR IH (+)         9         SHELD         9	R		3 V -			- [With 2.0L turbo gasoline engine]
B         Sound Signat, REAR RH (+)         5         GR         -         10         11<	FG		4 R -			
V ACC 11	в		$\vdash$		$\vdash$	
	>		$\square$		Н	

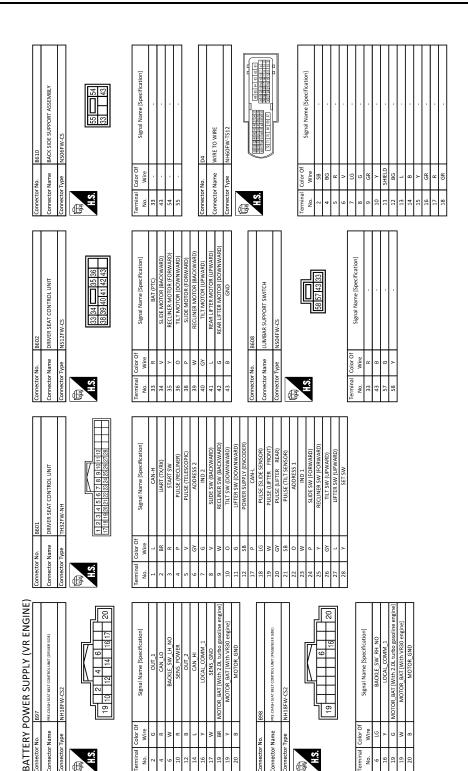
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monitori monitori icationi icationi	В
- With around view monitorial       - With around view monitorial       - With rear view monitorial	
	С
	D
15     R       15     16       16     16       16     16       16     170       17     16       18     1       19     1       10     100       11     100       12     16       13     16       14     1       10     1       10     1       10     1	D
Binel Binel Binel Binel Binel C C C C C C C C C C C C C C C C C C C	Е
- I/With 7.0.1. Lurbo gasoline engine]       - //With VR30 engine       - //With rear view monitor]       - //With around view monitor]       - //With around view monitor]	_
	F
	G
89         1           90         P           91         P           92         L           93         SHEID           94         R           95         L           97         L           97         L           97         L           97         L           97         R           97         L           97         L           97         L           97         L           97         R           97         L           98         L           99         R           90         R           90         R           90         R           91         R           100         BR           11         R           13         M           14         G	
	Η
- (With 2.01. turbo gaseline engine] - (With 2.01. turbo gaseline engine] - (With VB30	
- [With 2.01, turbo gasoline engine]     - [With VB30 engine]	
- 1 (With 2. -	J
SHELD       SHELD <td< td=""><td>K</td></td<>	K
50 51 52 52 53 53 55 55 55 55 55 55 55 55 55 55 55	1.4
IGINE Pel Pel Pel Pel Pel Pel Pel Pel Pel Pel	L
JPPLV (VR EN       Image: State of the state	
WER SUPPLY (VR ENGINE         - (Wrth 2.01. turbo gasoline engine)         - (Wrth 2.01. turbo gasoline engine)         - Wrth 2.01. turbo gasoline engine)         - (Wrth 2.01. turbo gasoline engine)	PG
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BAT BAT BAT BAT BAT BAT BAT BAT	0

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## POWER SUPPLY ROUTING CIRCUIT



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Connector Name

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Connector Name Connector Type

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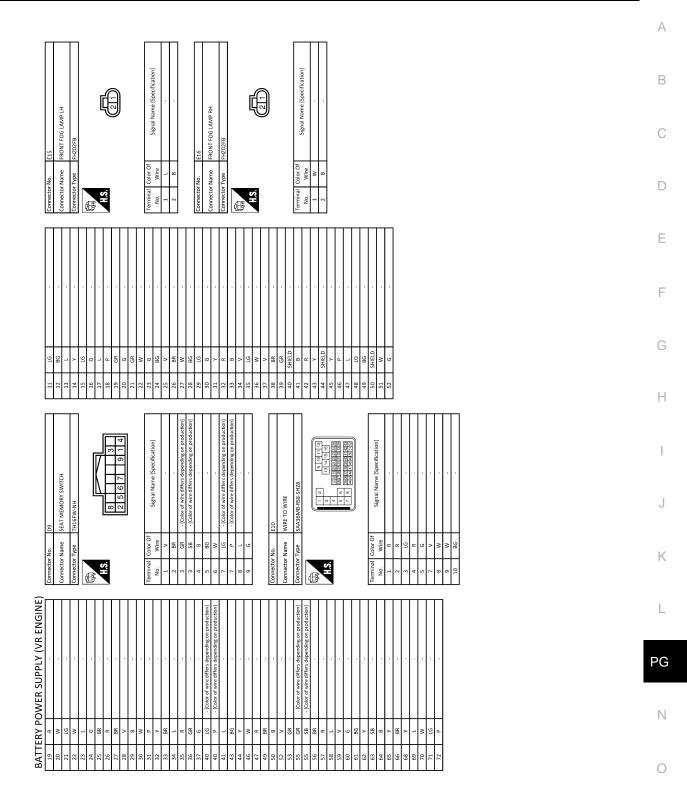
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Color Of Wire

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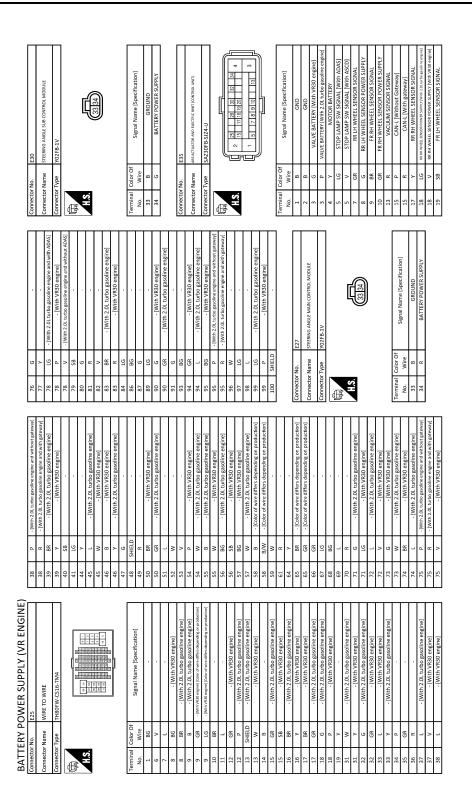
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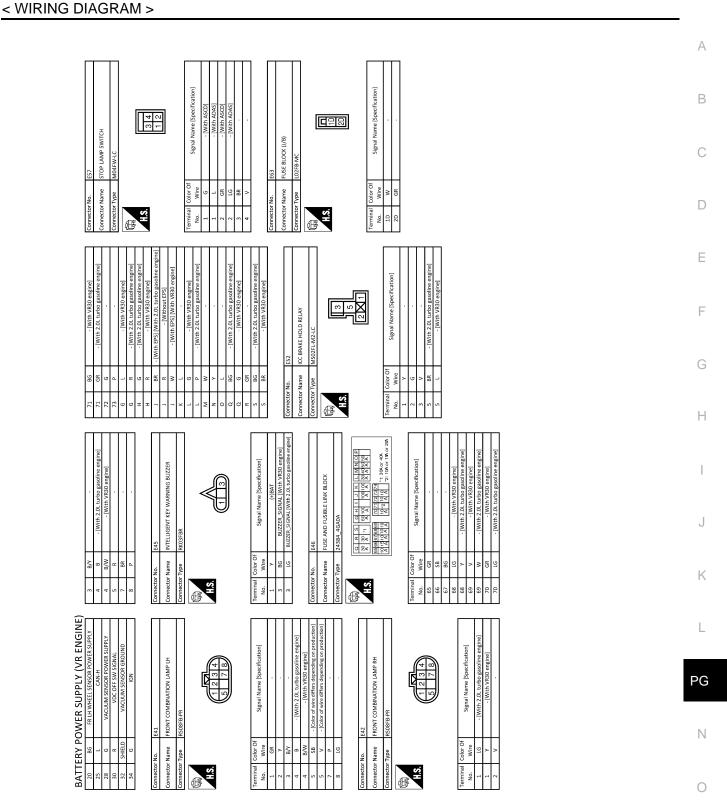


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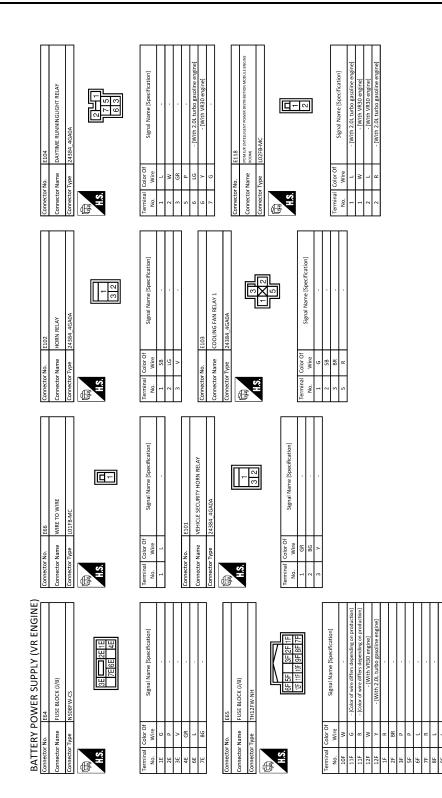
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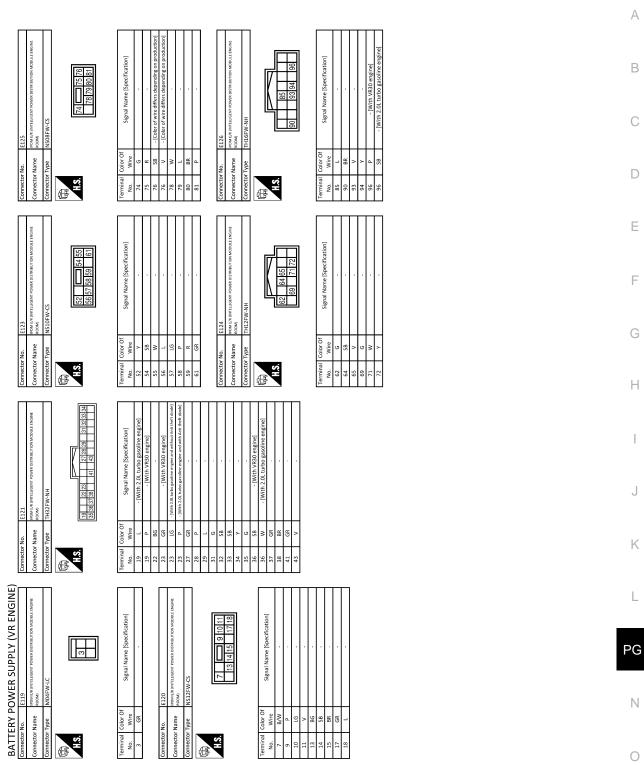
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Revision: November 2016

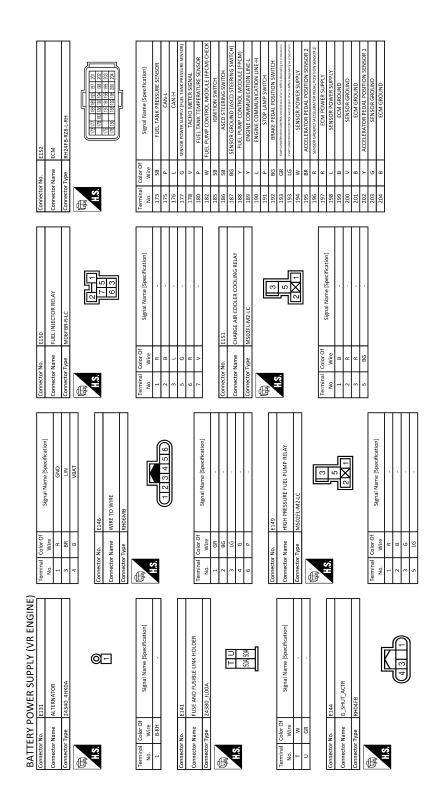


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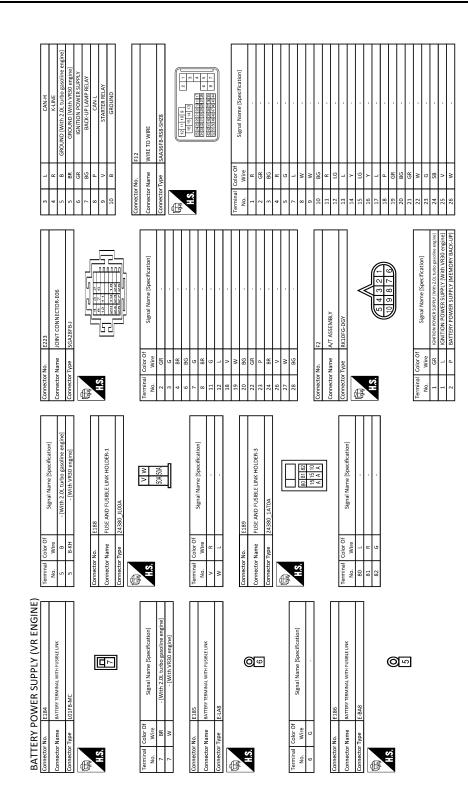


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Connector No. Connector No. A. A. A. A. A. A. A. A. A. A	D
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Signal Name [Specification]	F
Connector No.     E179       Connector Name     WIRE TO WIRE       Connector Name     WIRE TO WIRE       1     B       1     Wire	G
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E13 JOINT CONNECTOR-E02 JOINT CONNECTOR-E02 S62A3B10DY-J Signal Name (Specification) - Clock of wire diffest depending on pro- - Clock of wire diffest depen	J
Connector Nu.         E173           Connector Nume         2001           Connector Nume         2602           1         0	K
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OWER SUPPLY (VR EN E13- terreinna wort mane comma wort wort wort wort wort wort wort wort	PG
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BATTERY PC Connector Name Connector Name Co	0

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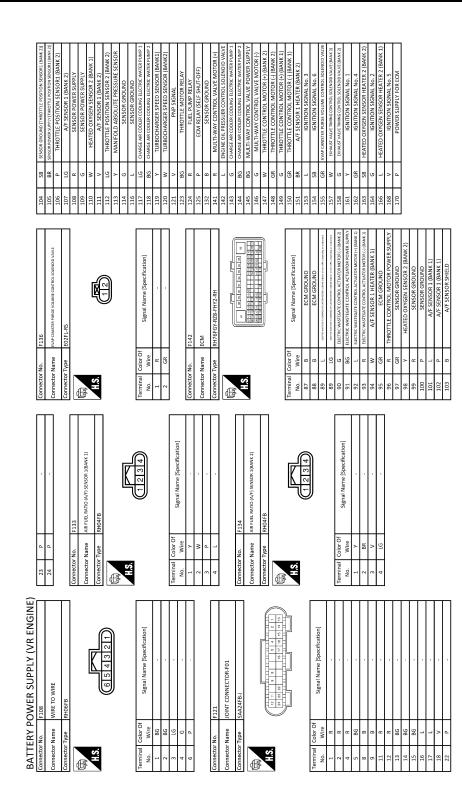


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Connector No. Connector Name Connector Type Last Last Connector Type Last Last Connector Name Last	D
	Ε
F2     HEXTED OXYGEN SENSOR 2 (BANK 1)       HEATED OXYGEN SENSOR 2 (BANK 1)     Signal Name [Specification]       Signal Name [Specification]     -       Signal Name [Specification]     -	F
ettor Name HEATED OXY ettor Name HEATED OXY ettor Name HEATED OXY ettor Name HEATED OXY Nore ettor Name HEATED OXY Sig ettor Name HEATED OXY Sig ettor Name HEATED OXY Sig Sig ettor Name HEATED OXY Sig ettor Name HEATED OXY Sig Sig Sig Sig Sig Sig Sig Sig	G
Connector Name Connector Name Connector Name 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Н
F4       Durati wux thome correct schold wux thome       EXERCITION       Signal Name [Specification]	Ι
F84       Building       Building       Building       Signal Mare [Specificat]       POWER SUPPLY       CVC(ECM)       Signal Mare [Specificat]	J
Connector No.     F4       Command     Pill       Command     Pill       Connector Type     E021       Lin     R       Lin     Mile       Lin       Lin       Lin<	K
	L
BATTERY POWER SUPPLY (VR ENGINE)         BATTERY POWER SUPPLY (VR ENGINE)         22       V       V         23       V       V         23       F       F         23       F       F         24       F       F         25       V       F         25       K       F         26       F       F         27       V       F         28       F       F         29       F       F         20       F       F         21       F       F         22       K       F         23       K       F         24       K       F         25       K       F         26       K       F         27       K       F         28       K       F         20       K <td>PG</td>	PG
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BATTERY PR 27 V 28 W 33 F 33 F 43 F 4	0

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BATTERY POWER SUPPLY (VR ENGINE)	00	•	- [With VR30 encine]	Connector No.	M17		5	Þ	,
	8	>	- [With 2.0L turbo gasoline engine]	Connector Mamo			9	ч	
	6	æ		COLINECTOL IN.	ν		2	>	
Connector Type TH24FW-NH	10	щ		Connector Type		FEA09FW-FHA6-SA	∞	>	
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				MAA			= ;	¥ 7	
HS.	Connector No.		M13	H.S.		F 137 136 135 134 133 132 131 130 129	13	3 5	
10 10 10						143 142 141 140 139 138	14	æ	
	Connector Name	<b>"</b>	BCM (BODY CONTROL MODULE)			•	15	-	,
	Connector Type	П	TH40FG-NH				16	>	
	ζ						18	M	-
Terminal Color Of Signal Name (Specification)	E			ler	Color Of	Signal Name [Snecification]	19	BR	
8				+	Wire		20	≥	
2 R ILLUMINATION SIGNAL	2		13 12 11 10	129	۲e	INT ROOM LAMP PWR SPLY	22	SB	-
		1	39 36 33 30 27 26 25 21	130	٩	PASS DOOR UNLK OUTPUT	23	ж	
				131	~	BAT (FUSE)	24	æ	- [With 2.0L turbo gasoline engine]
7 W/B DISK EJECT SIGNAL				132	>	RR, RL DOOR LK OUTPUT	24	>	- [With VR30 engine]
G HAZI				133	BR	RR, RL DOOR UNLK OUTPUT	25	٩	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>
13 B GND	Terminal	Color Of	Signal Name [Specification]	134	80	GND	25	>	- [With VR30 engine]
SB ACC [F	No.	Wire		135	>	FRONT DOOR, FL LID LK OUTPUT	26	9	
>	1	æ	PUSH SW	136	>	INT ROOM LAMP CONT	27	ď	-
15 B ILLUMINATION CONTROL SIGNAL	6	٨	SENS PWR SPLY	137	ГG	FRONT DOOR, FL LID UNLK OUTPUT	28	R	
16 BG DISK EJECT SIGNAL GROUND	4	BG	OPTICAL SENSOR	138	P	REAR DOORS ACT PWR SPLY [With VR30 engine]	31	BR	
18 R IGN [For VR30 engine]	5	٦C		138		REAR DOORS ACT PWR SPLY [With 2.0L turbo gasoline engine]	32	8	
IGN [F	10	w	COMBI SW OUTPUT 5	139	W	BAT (F/L)	33	8	-
19 BR CAMERA SWITCH SIGNAL	11	SB	COMBI SW OUTPUT 4	140	BR	IGN ON	34	^	
20 LG AIR BAG INDICATOR OFF SIGNAL	12		COMBI SW OUTPUT 3	141	~	PWR SPLY (BAT)	35	٩.	
	13	9	COMBI SW OUTPUT 2	142	Я	FRONT DOORS, FL LID ACT PWR SPLY	36	N	-
	14	ď	COMBI SW OUTPUT 1	143	В	GND	37	SB	
Connector No. M7	15	9	ONE TOUCH UNLK SENS (DR)				38	10	-
Connector Name A/T SHIET SELECTOR	16	9	ONE TOUCH UNLK SENS (PASS)				40	P	-
	17	٩	RECEIVER/SENSOR GND	Connector No.	<ul> <li>M19</li> </ul>	61	41	0	-
Connector Type TH12FW-NH	18	٦	SECURITY IND LAMP CONT	Connector Name		WIDE TO MUDE	42	BR	
	20	æ	DETENT SW	CONTRACTOR IN			43	BR	
E	21	SB	STEP LAMP CONT	Connector Type	İ	TH80MW-CS16-TM4	44	BR	
	25	~	STOP LAMP SW2				46	BG	
13.	26	œ	EXTENDED STORAGE FUSE SW	E			20	×	
	27	۵.	STOP LAMP SW				51	~	,
7 8 9 10 11	30	>	DR DOOR UNLK SENS	N H S			52	>	
	33	>	TR LID OP CANCEL SW			0         0	3	51	,
	36		HAZARD SW			2 100 2000 2000 2000 2000 2000 2000 200	54	~	,
Terminal Color Of	39	BR	P/N POSITION				55	~	
No. Wire Specification							57	≥	
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3 BG -				┢	  >		60	G	
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- [With 2.0L turbo gasoline engine]	- [With 2:0L turbo gasoline engine]	- [With VR30 engine]	- [With 2.0L turbo gasoline engine]	- [With VR30 engine]	- [With VR30 engine]	- [With 2.0L turbo gasoline engine]	- [With VR30 engine]	- [With 2.0L turbo gasoline engine]	- [With 2.0L turbo gasoline engine]	- [With VR30 engine]	- [With VR30 engine]	- [With 2.0L turbo gasoline engine]	- [With VR30 engine]	- [With 2.0L turbo gasoline engine]	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	- [With VR30 engine]	- [With 2.0L turbo gasoline engine]	- [With VR30 engine]	- [With VR30 engine]	- [With 2.0L turbo gasoline engine]		- [With 2.0L turbo gasoline engine]	- [With VR30 engine]	- [With 2.0L turbo gasoline engine]	- [With VR30 engine]	- [With VR30 engine]	- [With 2.0L turbo gasoline engine]		- [With VR30 engine and with BOSE system	- [With 2.0L turbo gasoline engine]	- [With VR30 engine and without BOSE system]	- [With VR30 engine]	- [With 2.0L turbo gasoline engine]									
я	0	SHIELD	я	×	BR	SHIELD	BR	5	ч	>	PG PG	SHIELD	BR	PI	SB	>		>	ч	SHIELD	ч	٦	Y	Я	N		Я	BR	BR	Р	Y	BR	N									
81	82	82	83	83	84	84	85	85	86	86	87	87	89	89	06	06	92	92	63	69	94	95	95	96	96	97	97	98	66	66	66	100	100									
- [With 2.0L turbo gasoline engine]	- [With VR30 engine and with BOSE system]						- [With 2.0L turbo gasoline engine]	- [With VR30 engine]			- [Except with VR30 engine and with BOSE system]	- [With VR30 engine and with BOSE system]			*	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	- [With VR30 engine]			,						<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	- [With VR30 engine]	-					- [With 2.0L turbo gasoline engine]	- [With VR30 engine]	- [With VR30 engine]	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	- [With VR30 engine]	- [With VR30 engine]	- [With 2.0L turbo gasoline engine]		
я	>	9	-	æ	SHIELD	٩.	8	σ	SHIELD	σ	BG	BR	9	>	^	_	~	~	ß		٩	Я	P1	SB	L	٩	>		M	R	L	P	GR	ж	9	>	LG	SHIELD	-	ΓC	Ч	
39	39	40	41	42	43	44	45	45	46	47	48	48	49	50	51	52	52	53	54	55	56	57	58	59	61	62	62	63	64	99	68	69	11	71	72	72	73	73	74	74	75	ł
- [With 2.0L turbo gasoline engine]	- [With VR30 engine]	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	- [With VR30 engine]	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	- [With VR30 engine]	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	- [With 2.0L turbo gasoline engine]	- [With VR30 engine]	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	- [With VR30 engine]						<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	- [With VR30 engine]	- [With DCM]	- [Without DCM]								<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	<ul> <li>[With VR30 engine]</li> </ul>	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	- [With VR30 engine]	- [With VR30 engine]	- [With 2.0L turbo gasoline engine]			- [With VR30 engine]	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>			- [With VR30 engine]	- [With 2.0L turbo gasoline engine]		
>	0	>	BG	BR	9	۵.	9	۵.	9	SHIELD	>	GR	>	9	ΓC	BR	۵.	SB	>	>	_	9	GR	я	>	-	BG	>	_	SB	9	N	æ	ΓC	SB	×	SHIELD	٦	8	ГG	SHIELD	
4	'n	ŝ	9	9	2	7	∞	~~	6	6	10	11	12	13	14	15	15	16	16	17	18	19	20	21	22	23	24	24	25	25	26	26	27	29	30	30	31	32	33	33	34	
											- [With VR30 engine]	- [With 2.0L turbo gasoline engine]								- [With 2.0L turbo gasoline engine]	- [With VR30 engine]				-	- [With VR30 engine and with BOSE system]	- [Except with VR30 engine and with BOSE system]			M22	WIRE TO WIRE		TH80MW-CS16-TM4			5 5 (2)	122	4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
>	æ	ſ	N	в	N	_	N	BR	в	SB	Ч	W	в	æ	BG	_	>	B	σ	>	N	GR	GR	M	>	BR	٨			Connector No.	Connector Name		Connector Type 1	_								
	1 7	1	ΓÌ	1	1	1	1	Ē	1	ιĪ	11	11	1	ιĪ	11	1	1	1	1	1	ιĪ	11		11	1	1				0	1 3	2	1.ē			Sec.						Í

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	^
M35 Dev K MODE SELECT SWITCH HABEWANH Signal Name [Specification] Signal Name [Specification] Signal Name [Specification] Signal Name [Specification] Signal Name [Specification]	A B C
Connector No.         M35           Connector No.         M35           Connector Name         D8I/V           Connector Name         D8I/V           M35         M38           M36         M38           M37         M38           M38         M38         M38           M38         M38         M38           M38         M38         M38           M38         M38         M38           M38         M38         M38           M38         M38         M38	D
Withhout (SS) Hours (SS)	Е
•       •	F
a       b       b       c	G
1     1     2     2     2     2     2     2     2     2     3 <td>Н</td>	Н
Con-H         Con-H           POWE         Con-H           Con-H         Con-H           Con-H <td>I</td>	I
	J
13         L           14         P           16         W           11         L           11         L           11         L           11         L           11         L           11         L           12         L           13         L           14         L           15         L           11         L           12         L           13         SHEU           14         L           13         SHEU           14         L           2         W           2         K           13         SHEU           14         L           2         K           23         L           20         V           30         W	K
Rendered in the second	L
WER SUPPLY (NR ENGIN       W24     W24       W24     Signal Mare [specification]       Signal Mare [specification]     Signal Mare [specification]       Signal Mare [specification]     CoM+ICAN COMMUNICATION CIRCUT 2       CMA+ICAN COMMUNICATION CIRCUT 2     ComMUNICATION	PG
	Ν
BATTERY P Connector Name Connector Name	0

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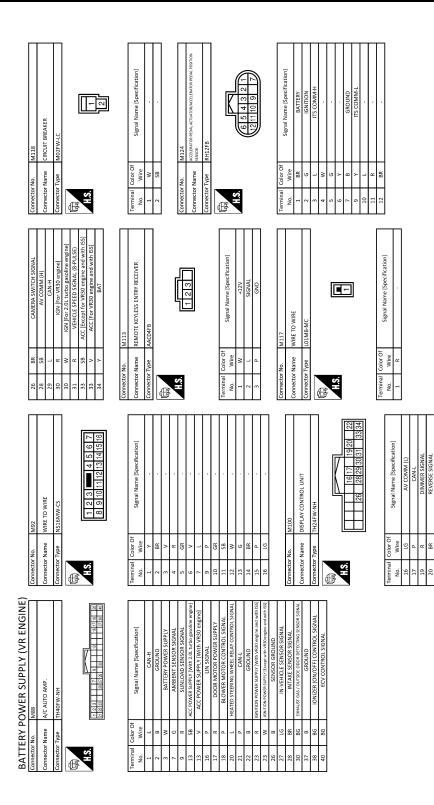
### **POWER SUPPLY ROUTING CIRCUIT**

	<u>ö</u> .	/40	39	~	- [With 2.0L turbo gasoline engine]	17	SB		6	g	AWD SOL BAT
		MUDE TO MUDE	39	>	- [With VR30 engine]	78	σ	- [With VR30 engine]	10	8	GND
CONTRECTOR INSTRE			40	ß		78	P1	- [With 2.0L turbo gasoline engine]	11	æ	GND
Connector Type		TH80MW-CS16-TM4	41	-		79	я		13	۲C	FLUID TEMP (+)
ģ			44	BR		80	9		15	×	BATTERY POWER SUPPLY
B			45	-	- [With 2.0L turbo gasoline engine]	81	я		16	٩	CAN-L [Without Gateway]
Ĩ		1 K 020 200 200 200 200 200 200 200 200 2	45	≥	- [With VR30 engine]	82	FG		16	æ	CAN-L [With Gateway]
Ż		2 7 0420 0450 0450 0450 0450 0450 0450 0 8 1958 0460 0460 0460 0450 050 0 8 1958 0460 0460 0460 0460 050 050 0 050 050 0460 0460 0460 050 050 050 0 050 050 050 050 050 050 050 050 050 0	46	9	- [With VR30 engine]	83	BR	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>			
			46	Y	- [With 2.0L turbo gasoline engine]	83	Я	- [With VR30 engine]			
		5 10 回転 割約 240 回転 140 mm	47	BG	- [With 2.0L turbo gasoline engine]	84	>		Connector No.	r No.	M44
			47	œ	- [With VR30 engine]	86	>			- Married	ALLEGANTIC CONTROL TOWNED CONTROL
			48	SHIELD		87	9		Connecto	r Name	AUTOWATIC DRIVE POSITIONER CONTROL UNIT
Terminal Co	Color Of	- - - - -	49	m	- [With VR30 engine]	68	>		Connector Type	r Type	NS06FW-CS
	Wire	Signal Name [Specification]	49	U	- [With 2.0L turbo gasoline engine]	6	9	- [With VR30 engine]			
1	88		20	•	- [With 2.0L turbo gasoline engine]	06	>	- [With 2.0L turbo gasoline engine]	E		
9	W/B		50	BR	- [With VR30 engine]	91	M				
7	>		51	-		92	9		<u>с</u> н.		25 26
80	BG	- [With VR30 engine]	52	×		63	ЯR				27 28 29 30
00	BR	- [With 2.0L turbo gasoline engine]	53	G		94	GR	- [With VR30 engine]			
6	LG	- [With VR30 engine]	54	SB	- [With 2.0L turbo gasoline engine]	94	L	- [With 2.0L turbo gasoline engine]			
6	ď	- [With 2.0L turbo gasoline engine]	54	7	- [With VR30 engine]	95	BR	- [With VR30 engine]			
10	W		55	8	- [With 2.0L turbo gasoline engine]	95	Ρ	- [With 2.0L turbo gasoline engine and without gateway]	Terminal	Color Of	Signal Name [Snacification]
11	W	- [With VR30 engine]	55	٩	- [With VR30 engine]	95	R	- [With 2.0L turbo gasoline engine and with gateway]	No.	Wire	
11	~	- [With 2.0L turbo gasoline engine]	56	BG	- [With VR30 engine]	96	W		25	SB	BAT
12	8	- [With VR30 engine]	56	g	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	97	۲e		26	U	BACKWARD
12	BR	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	57	ß	- [With VR30 engine]	86	Y		27	>	POWER_SUPLLY(SENSOR_for_16V)
	ß	- [With VR30 engine]	57	_	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	66	BR	<ul> <li>[With VR30 engine]</li> </ul>	28	ß	DOWNWARD
	SHIELD	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	28	8		66	ΓC	- [With 2.0L turbo gasoline engine]	29	-	UPWARD/FORWARD
14			65	5		100	SHIELD		30	œ	GND(POWER SYSTEM)
15	В.	- [With 2.0L turbo gasoline engine]	61	W/B		_					
15	8	- [With VR30 engine]	64	>		ļ				:	
16	8	- [With VR30 engine]	65	œ		Connector No.		M42	Connector No.	r No.	M45
16	BR -	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	99	• ;	- [Color of wire differs depending on production]	Connector Name	- Name	AWD CONTROL UNIT	Connector Name	ir Name	GLOVE BOX LAMP
/T	2 .	- [Mith WB30 control]	99 22	> -	<ul> <li>Lolor of wire differs depending on production.</li> </ul>	Connector Tyne	Tune	TU166W NU	Connector Tune	r Tune	A036W
+	a//v	[with Viso engine]	òů	3 8			1			- Abo	AUZEW
╉	~		99	3 -		Æ			Æ		
31			8 2	, <u>~</u>	,			R	-		
32	5	- [With 2.0L turbo gasoline engine]	71	>	- [With VR30 engine]	H-S-H-S-			H.S.		$\Diamond$
32	>	- [With VR30 engine]	12	3	- [With 2.0L turbo gasoline engine]			1 2 3			1 2
33	_	- [With VR30 engine]	72	-	- [With 2.0L turbo gasoline engine]			9 10 11 13 15 16			
33	>	- [With 2.0L turbo gasoline engine]	72	9	- [With VR30 engine]						
34	۵.		73	_	- [With VR30 engine]						
35	BG		73	3	- [With 2.0L turbo gasoline engine]	Terminal	Color Of	Print Married Control of Control	Terminal	Color Of	5
36	U		74	BR	- [With VR30 engine]	No.	Wire	Signal Matthe (Specification)	No.	Wire	Signal Name (Specification)
37	в	- [With VR30 engine]	74	-	- [With 2.0L turbo gasoline engine]	1	BR	AWD SOL (+)	1	R	
37	-	- [With 2.0L turbo gasoline engine]	75	8	- [With VR30 engine]	2	٢	AWD SOL (-)	2	8	-
38	_	- [With VR30 engine]	75	•	- [With 2:0L turbo gasoline engine and without gateway]	m	W/B	FLUID TEMP (-)			
38	Р.	- [With 2.0L turbo gasoline engine and without gateway]	75	~	- [With 2.0L turbo gasoline engine and with gateway]	7	9	IGN			
00	•	ALE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	95	47.1.1							

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	A
M80         M80           THIPLE SMITCH         THIPLE SMITCH           THIPLE SMITCH         Signal Name (Specification)           Signal Name (Specification)         Signal Name (Specification)           Signal Name (Specification)	В
M80         M80           M81         M80           M82         M82           M82         M82	С
Connector No.       Connector Name       Connector Type       1     L       1     L       1     L       1     L       1     L       1     L       1     L       1     L       1     L       1     R	D
cation] cation	E
Mei Murricontrikol, unit Trzach Trzach Internet Signal Name (Specification) Bar Mart Bar Millon Mill	F
No     No     No     No       No     No     No       No     No     No       No     No     No    <	G
	Н
V58 COMBINATION METER H127PWNH H127PWNH H127PWNH Signal Name (Specification) Signal Name (Specification) Signal Name (Specification) CMH CMH CMH CMH CMH CMH CMH CMH	I
MSS COMBINATION METER TH12FWANH Signal Name (So Const Cons Const	J
Connector No.     No.       Connector Name     Connector Name       Connector Name     Connector Name       Ministration     No.       Alternial     Color Of       Alternial     Connector Name       Ministration     No       Alternial     Connector Name       Ministration     Ministration       Alternial     Connector Name       Alternial     Connector Name       Alternial     Connector Name       Alter	К
Rendered in the set of	L
BATTERY POWER SUPPLY (VR ENGINE) Connector Name HeritS SEAT RELAY Connector Name HeritS SEAT RELAY Connector Name HeritS SEAT RELAY Connector Name HeritS SEAT RELAY Name 2 Reminal Color Of 2 Reminal	PG
ATTERY POW connector Name HEAT Connector Name HEAT Connector Name HEAT 1 a b HEAT 2 w -if 3 c -if 1 a b HEAT 1 a b HEA	Ν
BATTE Commettor Commettor No. 1 1 1 1 1 1 1 1 1 1 1 1 1	0
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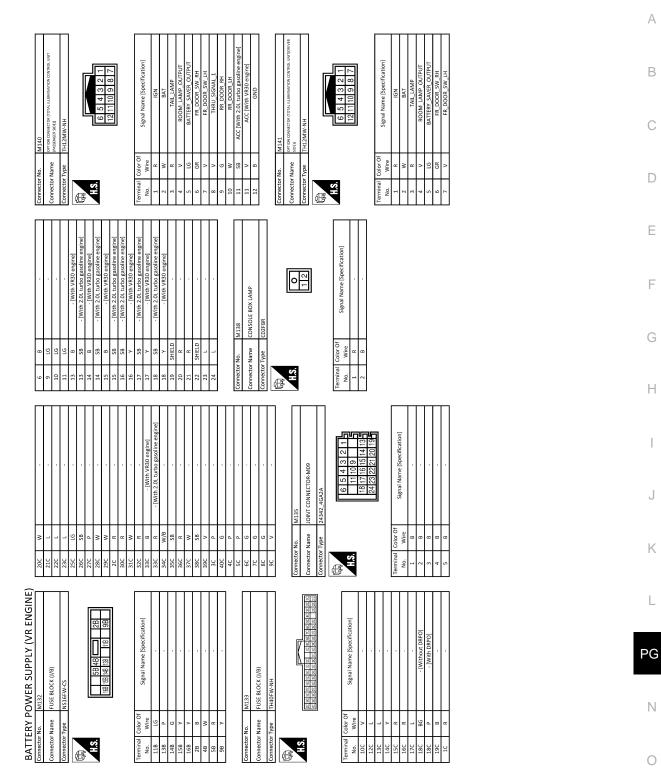


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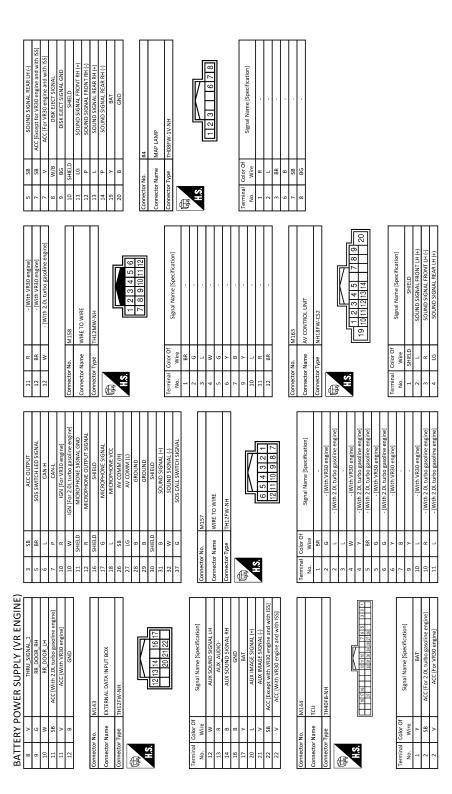
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< WIRING DIAGRAM >



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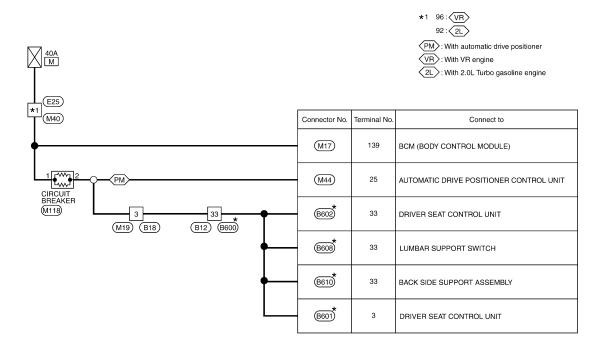
Interview monitory	A
151	С
16     W       20metror Name     Connector Name       1     Terminal       2     BG       3     BG       3     BG       3     BG       3     BG	D
H ASSEMBLY H ASSEMBLY fication fication monitor moni	Е
147       THOLAMM-IAH         THOLAMM-IAH       Signal Name (Specification)         Signal Name (Specification)       Signal Name (Specification)         148       -         148       -         MILE       -         Nith around view monitori       -         -       -     <	F
Image: Sector Name         Image: Sector Name         Image: Nam         Image: Name         Image: Na	G
	Η
All     All       Auto Anti-DaZLING INSIDE AMIRGIA     All       Auto Anti-DaZLING INSIDE AMIRGIA     HILIZIEVANHAB       HILIZIEVANHAB     Signal Name [Specification]       Signal Name [Specification]     Signal Name [Specification]       1     -	I
	J
Commetter No. Commetter Name Commetter Name Commetter Name Commetter Name Commetter Name 3 8 3 8 3 8 3 8 3 8 3 8 5 9 13 8 13 br>13 13 13 13 13 13 13 13 13 13 13 13 1	K
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BATTERY POWER S commettor Name Rank SENSOR commettor Name Rank SENSOR Commettor Name Rank SENSOR Rank	Ν
BATTERN Connector Name Connector Name Conne	0

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### VR30DDTT : Wiring Diagram - BATTERY POWER SUPPLY FUSIBLE LINK No. M -

#### BATTERY POWER SUPPLY FUSIBLE LINK No. M



 $\boldsymbol{\star}$  : This connector is not shown in "Harness Layout".

2015/11/27

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INFOID:000000012791614

#### VR30DDTT : Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 4 - INFOLD:00000012791615 А BATTERY POWER SUPPLY FUSE No. 4 (VR ENGINE) В HB: With high beam assist system LR : With rain sensor OH: Without high beam assist system С FUSE BLOCK (J/B) 5A 4 (M133), (E65) 12 Connector No. Terminal Connect to D (M25) 16 DATA LINK CONNECTOR Ε (R9) AUTO ANTI-DAZZLING INSIDE MIRROR ΉB 10 (M159) (R15) LR 10 (R5) 1 RAIN SENSOR F (E45) 1 INTELLIGENT KEY WARNING BUZZER (Ē (R8) 10 AUTO ANTI-DAZZLING INSIDE MIRROR

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VR30DDTT : Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 6 - INFOLD:00000012791616 BATTERY POWER SUPPLY FUSE No. 6 (VR ENGINE)

10A (J/B) 31C 28C			
	Connector No.	Terminal No.	Connect to
+	(M38)	3	PUSH-BUTTON IGNITION SWITCH
•	(M58)	45	COMBINATION METER
	(M88)	3	A/C AUTO AMP.
•	M140	2	OPTION CONNECTOR (TOTAL ILLUMINATION CONTROL UNIT (PASSENGER SIDE))
	M141)	2	OPTION CONNECTOR (TOTAL ILLUMINATION CONTROL UNIT (DRIVER SIDE))

2015/11/27

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#### VR30DDTT : Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 7 - INFOLD:00000012791617 А BATTERY POWER SUPPLY FUSE No. 7 (VR ENGINE) В AV: With around view monitor NV: With NAVI WT: With telematics FUSE BLOCK (J/B) M132 С 15A 7 15B 16B Connector No. Terminal No Connect to D (AV) (M100 34 DISPLAY CONTROL UNIT Ε (M143) 17 EXTERNAL DATA INPUT BOX (M144) 1 (WT) тси F M163 19 AV CONTROL UNIT (NV) (M60) 1 NAVI CONTROL UNIT JOINT CONNECTOR-M09 (M135) 16 (M60) 15 NAVI CONTROL UNIT Н (B50) 2 AROUND VIEW MONITOR CONTROL UNIT 52 (M22) (B62)

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### VR30DDTT : Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 15 -

BATTERY POWER SUPPLY FUSE No. 15 (VR ENGINE)

INFOID:000000012791618

 $\begin{array}{|c|c|}\hline PM \end{array} : With automatic drive positioner \\\hline WT \end{array} : With telematics \\ \end{array}$ 

FUSE BLOCK (J/B) (J/B) (W133)			
	Connector No.	Terminal No.	Connect to
•	(M35)	4	DRIVE MODE SELECT SWITCH
•	(M59)	1	METER CONTROL SWITCH
•	M7	7	A/T SHIFT SELECTOR
•	(M45)	1	GLOVE BOX LAMP
PM 58 58 (M33) (D4)	D9	8	SEAT MEMORY SWITCH
•	(M80)	6	TRIPLE SWITCH
•	(M86)	23	COMBINATION SWITCH (SPIRAL CABLE)
•	<u>M1</u>	2	INTEGRAL SWITCH
(M159) (R15) (R6) (R14)	(R22)	5	TELEMATICS SWITCH
	(M141)	3	OPTION CONNECTOR (TOTAL ILLUMINATION CONTROL UNIT (DRIVER SIDE))
•	M140	3	OPTION CONNECTOR (TOTAL ILLUMINATION CONTROL UNIT (PASSENGER SIDE))
	M138	1	CONSOLE BOX LAMP

2015/11/27

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## VR30DDTT : Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 17 -

#### BATTERY POWER SUPPLY FUSE No. 17

FUSE BLOCK (J/B) (J/B) (J/B) (J/B) (J/B) (J/B)			WG : With CAN gateway	
	Connector No.	Terminal No.	Connect to	
•	M113	1	REMOTE KEYLESS ENTRY RECEIVER	
AW>	(M42)	15	AWD CONTROL UNIT	
WG	(M24)	3	CAN GATEWAY	

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### VR30DDTT : Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 19 -

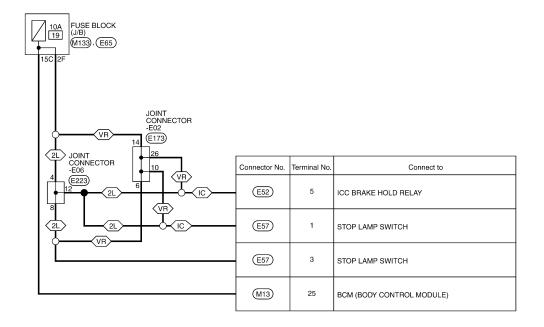
#### BATTERY POWER SUPPLY FUSE No. 19

INFOID:000000012791620

 IC
 : With ICC

 VB
 : With VR engine

 2L
 : 2.0L Turbo gasoline engine



2015/11/27

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### VR30DDTT : Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 46 -

### BATTERY POWER SUPPLY FUSE No. 46 (VR ENGINE)

INFOID:000000012791621

#### В IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) XM: Except for Mexico 10A 46 С (E120) 13 (E10) 10 D (F12) Connector No. Terminal No. Connect to (F142) 91 ЕСМ Ε (F142) 145 ECM Ś F (B85) EVAP CANISTER VENT CONTROL VALVE 8 1 6 1 E25 M40 M22 B62 B68 B83 G Н J Κ PG Ν

2016/02/15

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# VR30DDTT : Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 47 -

#### BATTERY POWER SUPPLY FUSE No. 47 (VR ENGINE)

INFOID:000000012791622

10A 10A 107 104 107 107 107 107 107 107 107 107			
F12	Connector No.	Terminal No.	Connect to
	(F136)	1	EVAP CANISTER PURGE VOLUME CONTROL SOLENOID VALVE
•	(E152)	197	ЕСМ
•	(E149)	1	HIGH PRESSURE FUEL PUMP RELAY
•	E150	1	FUEL INJECTOR RELAY
•	(E151)	2	CHARGE AIR COOLER COOLING RELAY
E10 (F12)	(F84)	1	EXHAUST VALVE TIMING CONTROL SOLENOID VALVE (BANK 1)
	(F89)	1	ENGINE OIL PRESSURE CONTROL SOLENOID VALVE
	(F94)	1	EXHAUST VALVE TIMING CONTROL SOLENOID VALVE (BANK 2)

2015/11/27

JRMWJ1837GB

## VR30DDTT : Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 48 -

### BATTERY POWER SUPPLY FUSE No. 48 (VR ENGINE)

В

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MX : For Mexico	
XM: Except for Mexico	

15A     IPDM E/R       15A     (INTELLIGENT POWER       DISTRIBUTION MODULE     ENGINE ROOM)       E123     52			
14 (F12)	Connector No.	Terminal	Connect to
XM>	(F93)	1	HEATED OXYGEN SENSOR 2 (BANK 2)
×	(F92)	1	HEATED OXYGEN SENSOR 2 (BANK 1)
•	(F133)	1	AIR FUEL RATIO (A/F) SENSOR 1 (BANK 1)
•	(F134)	1	AIR FUEL RATIO (A/F) SENSOR 1 (BANK 2)
MX	(F126)	1	HEATED OXYGEN SENSOR 2 (BANK 2)
	(F125)	1	HEATED OXYGEN SENSOR 2 (BANK 1)

2016/02/15

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# VR30DDTT : Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 60 -

#### BATTERY POWER SUPPLY FUSE No. 60 (VR ENGINE)

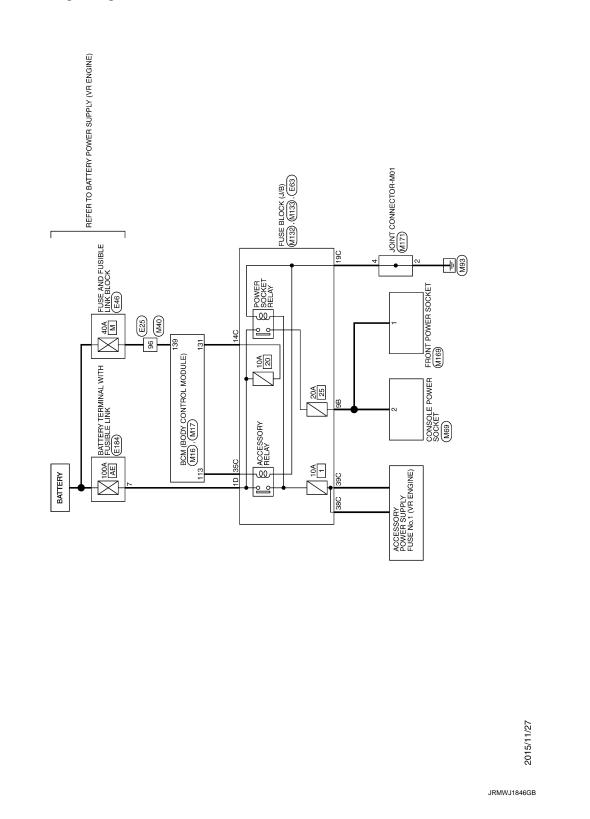
INFOID:000000012791624

IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) (E120), (E126)			
	Connector No.	Terminal No.	Connect to
(M39) 55 (M19) (B18)	 (B23)	2	REAR COMBINATION LAMP RH (BODY SIDE)
(B37) (B72) (B66) (T48)	 (T52)	3	REAR COMBINATION LAMP RH (TRUNK LID SIDE)
(N159) (R15)	R4	8	MAP LAMP
	(E42)	8	FRONT COMBINATION LAMP RH
	(T47)	4	TRUNK LID OPENER REQUEST SWITCH ASSEMBLY

2015/11/27

JRMWJ1839GB

VR30DDTT : Wiring Diagram - ACCESSORY POWER SUPPLY -



ACCESSORY POWER SUPPLY (VR ENGINE)

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INFOID:000000012791625

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Connector No.	r No.	Connector No. E25			- [With VR30 engine]	75	R .	- [With 2.0L turbo gasoline engine and with gateway]	Terminal	Color Of	Signal Name [Snacification]
Connector Name	r Name	WIRE TO WIRE	38	٩	- [With 2.0L turbo gasoline engine and without gateway]	75	>	- [With VR30 engine]	No.	Wire	find the state of
			38	Я	- [With 2.0L turbo gasoline engine and with gateway]	76	9		65	GR	
Connector Type	r Type	TH80FW-CS16-TM4	39	BR	- [With 2.0L turbo gasoline engine]	77	Y		66	SB	
¢	_		39	٨	- [With VR30 engine]	78	- FG	- [With 2.0L turbo gasoline engine and with ADAS]	67	BG	
ß			40	SB		78	P	- [With VR30 engine]	68	P1	- [With VR30 engine]
		2012 12 12 12 12 12 12 12 12 12 12 12 12 1	41	ГG		78		- [With 2.0L turbo gasoline engine and without ADAS]	68	Y	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>
<u>6</u>	_		44	Y		79	SB		69	^	- [With VR30 engine]
		10 11 12 10 10 10 10 10 10 10 10 10 10 10 10 10	45	-	- [With 2.0L turbo gasoline engine]	80	9		69	M	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>
		1 12 12 10 12 10 12 12 12 12 12 12 12 12 12 12 12 12 12	45	N	- [With VR30 engine]	81	Я		70	GR	- [With VR30 engine]
			46	8	- [With VR30 engine]	82	>		70	ΓC	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>
			46	Y	- [With 2.0L turbo gasoline engine]	83	BR	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	71	BG	- [With VR30 engine]
Terminal	Color Of	Cianal Name (Cassification)	47	υ		83	ж	- [With VR30 engine]	71	GR	- [With 2.0L turbo gasoline engine]
No.	Wire	oignar Manne (operincation)	48	SHIELD		84	۲C		72	σ	
1	BG		49	Я		86	BG		73	Ь	
9	^		50	BR	- [With VR30 engine]	87	σ		σ	-	- [With VR30 engine]
7			50	ß	- [With 2.0L turbo gasoline engine]	68	ſ		U	œ	- [With 2.0L turbo gasoline engine]
00	BG	- [With VR30 engine]	51	_		06	σ	- [With VR30 engine]	Ξ	σ	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>
00	BR	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	52	>		06	ß	- [With 2.0L turbo gasoline engine]	Ξ	æ	- [With VR30 engine]
ი	8	- [With 2.0L turbo gasoline engine]	53	>		91	0		7	BR	- [With EPS] [With 2.0L turbo gasoline engine]
σ	GR	- [With VR30 engine] [Color of wire differs depending on production]	54	٩.	- [With VR30 engine]	93	BG		-	ч	- [Without EPS]
6	٦C	- [With VR30 engine] [Color of wire differs depending on production]	54	>	- [With 2.0L turbo gasoline engine]	94	ß	- [With VR30 engine]	-	3	- [With EPS] [With VR30 engine]
10	BR		55		- [With 2.0L turbo gasoline engine]	94	_	- [With 2.0L turbo gasoline engine]	×	_	
11	_		55	>	- [With VR30 engine]	95	ß	- [With VR30 engine]	-	σ	- [With VR30 engine]
12	GR	- [With VR30 engine]	56	BG	- [With 2.0L turbo gasoline engine]	95	- d	- [With 2.0L turbo gasoline engine and without gateway]	-	٩	- [With 2.0L turbo gasoline engine]
12	٩	- [With 2.0L turbo gasoline engine]	56	88	- [With VR30 engine]	95	Ч	- [With 2.0L turbo gasoline engine and with gateway]	Σ	×	
13	SHIELD	- [With	57	BG	- [With VR30 engine]	96	w		z	Y	
13	W	- [With VR30 engine]	57	N	- [With 2.0L turbo gasoline engine]	97	ГG		0	L	
14	В		58	8	- [Color of wire differs depending on production]	98	L		۵	BG	- [With 2.0L turbo gasoline engine]
15	GR	- [With 2.0L turbo gasoline engine]	58	B/W	- [Color of wire differs depending on production]	66	ГG	- [With 2.0L turbo gasoline engine]	a	J	- [With VR30 engine]
15	SB	- [With VR30 engine]	59	W		66	P	- [With VR30 engine]	Я	GR	
16	BR	- [With 2.0L turbo gasoline engine]	61	ч		100 SF	SHIELD		s	BG	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>
16	7	- [With VR30 engine]	64	>					s	BR	- [With VR30 engine]
17	BR	- [With VR30 engine]	65	BR	- [Color of wire differs depending on production]						
17	GR	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	65	ß	- [Color of wire differs depending on production]	Connector No.	o. E46	6			
18	υ	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	66	ß		Connector Name		FLISE AND FLISIRI F LINK BLOCK			
18	٩	- [With VR30 engine]	67	9							
19	7		68	ß		Connector Type		24384_4GA0A			
31	W	- [With 2.0L turbo gasoline engine]	69	_		ſ					
31	٨	- [With VR30 engine]	70	R		E					
32	G	- [With 2.0L turbo gasoline engine]	71	9	- [With 2.0L turbo gasoline engine]	S IL	o	RSGHIJK			
32	GR	- [With VR30 engine]	71	Pl	- [With VR30 engine]	61	₿∢	30 -1 60100 100100 30405050 A A A A A A			
33		- [With VR30 engine]	72	-	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>		99	9 7071737374			
33	٨	- [With 2.0L turbo gasoline engine]	72	>	- [With VR30 engine]		1	1015101010 10+2 1010 1: 30A or 40A			
34	Ρ	-	73	9	- [With VR30 engine]		<	<u> </u>			
35	GR		73	×	- [With 2.0L turbo gasoline engine]						
36	ж		74	BR	- [With VR30 engine]						
37		- [With 2.0L turbo gasoline engine]	74		- [With 2.0L turbo gasoline engine]						
27		[Mithh V/D20] coging]	70	6	Divish 2.01 Fushe encoling opting and without antournal						

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Connector No. F63	Connector No.	M16	133	aa	RR RI DOOR LINI K OLITPLIT	10	>	
			134	á	GND	5	. M	,
	Connector Name		135	>	FRONT DOOR, FL LID LK OUTPUT	32	: 0	- [With 2.0L turbo gasoline engine]
Connector Type L02FB-MC	Connector Type	TH24FB-NH	136	>	INT ROOM LAMP CONT	32	>	- [With VR30 engine]
			137	9	FRONT DOOR, FL LID UNLK OUTPUT	33	_	- [With VR30 engine]
	E		138	Ч	REAR DOORS ACT PWR SPLY [With VR30 engine]	33	~	- [With 2.0L turbo gasoline engine]
			138	ч	REAR DOORS ACT PWR SPLY [With 2.0L turbo gasoline engine]	34	Ч	
<u>[]</u>	<u> </u>	116115114113 111 111 107 105	139	w	BAT (F/L)	35	BG	
		128127128 129129129129121	140	BR	IGN ON	36	9	
]			141	я	PWR SPLY (BAT)	37	в	<ul> <li>[With VR30 engine]</li> </ul>
			142	æ	FRONT DOORS, FL LID ACT PWR SPLY	37		<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>
	- H		143	8	GND	38	_	<ul> <li>[With VR30 engine]</li> </ul>
al		Df Signal Name [Specification]				38	۵.	- [With 2.0L turbo gasoline engine and without gateway
Wire	No. Wire					38	~	- [With 2.0L turbo gasoline engine and with gateway
_	105 V	TURN SIG RH OUTPUT (FRONT)	Connector No.		M40	39	~	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>
2D GR -	107 P	PUSH-BTN IGN SW ILL GND	Connector Name		WIRE TO WIRE	39	>	<ul> <li>[With VR30 engine]</li> </ul>
	111 Y	Acc/ON IND			1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	40	ß.	,
6N 5404	+	ALC RELAY CUNI	CONDECTOR 1996	٦	H8UMW-C516-IM4	41	-	,
Driffector No. E184	+	PASSENGEK DUOK ANI +	Ą			44	¥.	
Connector Name BATTERY TERMINAL WITH FUSIBLE LINK	A 211	PASSENGER DUOR ANT -	ALL ALL		2010 (2010) 2010 (	4 1	ž	- [with 2.0L turbo gasoline engine]
Connector Type 10155 MC	+		NH S			n u	s (	- [WILLI VICO ENGINE]
1	┢				0.00	46	, >	- [With 2.0L turbo gasoline engine]
d ==	121 SB				3 13 14 14 14 14 14 14 14 14 14 14 14 14 14	47	86	- [With 2.0L turbo gasoline engine]
		DRIVER DOOR ANT +				47	я	- [With VR30 engine]
	123 R	INSIDE KEY ANT (INSTRUMENT LOWER) +				48	SHIELD	
2	124 G	INSIDE KEY ANT (INSTRUMENT LOWER) -	Terminal	Color Of	Simual Nama (Snacification)	49	в	- [With VR30 engine]
]		NATS ANT AMP.	No.	Wire		49	9	- [With 2.0L turbo gasoline engine]
	_			BG		20	8	- [With 2.0L turbo gasoline engine]
	128 GR	INSIDE KEY ANT (CONSOLE) -	9	W/B		50	BR	- [With VR30 engine]
al			~	> ;		5		
	:		00	BG	- [With VR30 engine]	52	>	
7 BR - [With 2.0L turbo gasoline engine]	Connector No.	M17	~	88 5	- [With 2.0L turbo gasoline engine]	53	0	
/ W	Connector Name	BCM (BODY CONTROL MODULE)	л с	ہ <u>د</u>	- [With VK3U engine]	7	R >	- [With 2.0L turbo gasoline engine]
	Consister Time		σ, 6	<b>-</b> 3	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	47 1		- [With VKSU engine]
	addi impaillion	FEAU9FW-FHAD-5A	a i	3		<u> </u>	n (	- [with 2:0L turbo gasoline engine]
	ą		= :	> >	- [With VK3U engine]	ຊ ະ	- 12	- [WITN VK3U engine]
	AT THE PARTY		; ;		- [with 2.0L turbo gasoline engine]	90	29 C	- [with visu engine]
	SH	<b>F</b> 137 138 135 134 133 133 131 130 129	1	• 8	- [WILLI VAGU BUBILE]	R C	6 8	- [WILL 2.00 LUTUD 84501116 EUSITIE]
		142 142 141 140 130 138	77	r a	- [with 2.0L turbu gasoline erigine] - [Mith VD20 Andino]	6 5	5 9	- [Mith 2 01 turbo carolino oncino]
			2 2		- [Mith 2.0] turbo engine]	ĥ	. a	- האונוו ביתר ומותה פמסתוווב בוופווובן
			77	8		с С	, aç	. ,
			12	8	- [With 2.0L turbo gasoline engine]	619	W/B	
	Terminal Color Of		15	ß	- [With VR30 engine]	64		
		Signal Name [Specification]	16	-	- [With VR30 engine]	65	æ	,
	┢	INT ROOM LAMP PWR SPLY	16	BR	- [With 2.0L turbo gasoline engine]	99	•	- [Color of wire differs depending on production]
			17	9	,	99	>	- [Color of wire differs depending on production]
	131 Y	BAT (FUSE)	18	8	- [With VR30 engine]	67	P	,
	132 V	RR, RL DOOR LK OUTPUT	18	W/B	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	68	BG	,

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		,		·		M169		FRUNT PUWER SUCKET	NS03FW-CS					123				Df Sirmal Name [Canadification]		+ACC	TAIL LAMP_RLY	GND			M171	IONIT CONNECTOR AND		24342_4GA2A		- 1	m	ю 6	18 17 16 15 14 5	24 23 22 20 19 5			Df Signal Name [Snecification]							-		-		
	H	+	202			Connector No.		connector Name	Connector Type			6	Ċ.E					lal C	No. Wire	1 1	2 R				Connector No.	A second s	connector Name	Connector Type			6	ŝ					al	No. Wire	1 8	2 B	8 8	4 B	8 8	6 B	7 B	8	+	10 6
	Ľ					Con		Lon	G	[	E							Terr	2				]		Con		5	Con		E							Terr	-										
	M133	FUSE BLOCK (J/B)	THACKAN MILL									Signal Name (Snarification)		-	•						- [Without DRPO]	- [With DRPO]										-	-					<ul> <li>[With VR30 engine]</li> </ul>	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>									
									-			Color Of	Wire	>	L	_	>	R	ч	_	ßG	٩	-	ж	>	_	_	-	ΓC	SB	Ь	W	N	R	R	W	ч	в	Я	W/B	SB	я	×	SB	^	Ч	σ	4
	Connector No.	Connector Name	Connector Tune		Æ		2 1 2					Terminal	No.	10C	12C	13C	14C	15C	16C	17C	18C	18C	19C	10	20C	21C	22C	23C	25C	26C	27C	28C	29C	2C	30C	31C	32C	33C	33C	34C	35C	36C	37C	38C	39C	3C	40C	40
	onnector No. M69	Connector Name CONSOLE POWER SOCKET	Connorter Tune CEAOTED CUIAT					<u>[</u> 2]3]				Terminal Color Of Signal Name (Snerification)	No. Wire Dignammanic processori	2 Y -	3 B -			Connector No. M132			Connector Type NS16FW-CS				<b>1.8</b> [58] 48] [28]	16B 15B 14B 13B 11B 9B				erminal Color Of Stanal Name ISpecification]	Wire	11B LG -	13B P	14B G -	15B Y -	16B Y -		4B W -	58 R -	98 Y -								
GINE)	le L	<u>8</u>	5			5		r	<u>г</u>			-						3		3	8		Ē	ř			г –			Te													1					
ACCESSORY POWER SUPPLY (VR ENG			- [With VR30 engine]	- [With 2.0L turbo gasoline engine] - [Mith 2.0L turbo gasoline engine]	- [With VR30 engine]	- [With VR30 engine]	- [With 2.0L turbo gasoline engine]	- [With VR30 engine]	- [With 2.0L turbo gasoline engine]	- [With VR30 engine]	- [With 2.0L turbo gasoline engine and without gateway]	- [With 2.0L turbo gasoline engine and with gatewa-		-	- [With VR30 engine]	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>					- [With 2.0L turbo gasoline engine]	- [With VR30 engine]					- [With VR30 engine]	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>				- [With VR30 engine]	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	- [With VR30 engine]	- [With 2.0L turbo gasoline engine and without gateway]	- [With 2.0L turbo gasoline engine and with gateway]				- [With VR30 engine]	- [With 2.0L turbo gasoline engine]							
SSORY		œ :	> 3	- 1	, 9	ч	>	BR		8	٩	R	W/B	SB	g	FG	ж	9	æ	۲e	BR	я	>	>	9	>	9	>	W	9	BR	GR	٢	BR	Р	R	N	ΓC	>	BR	5	SHIELD						
ACCE	69	70	5	1/	72	73	73	74	74	75	75	75	76	77	78	78	79	80	81	82	83	83	84	86	87	68	6	6	91	92	93	94	94	95	95	95	96	97	98	66	66	100						

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Revision: November 2016

ACCESSORY POWER SUPPLY (VR ENGINE)

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< WIRING DIAGRAM >

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# VR30DDTT : Wiring Diagram - ACCESSORY POWER SUPPLY FUSE No. 1 -

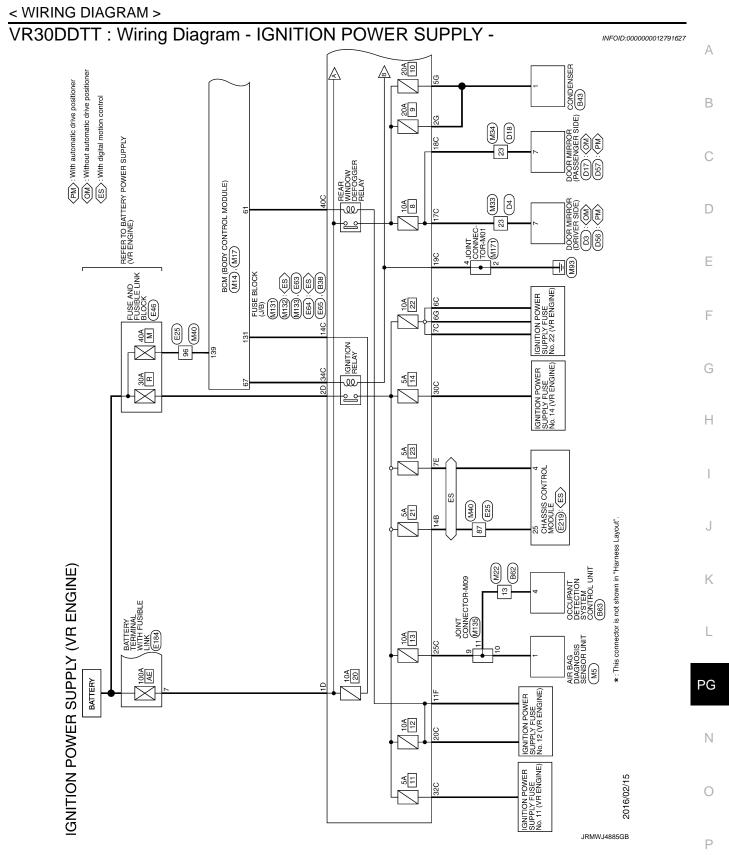
ACCESSORY POWER SUPPLY FUSE No. 1 (VR ENGINE)

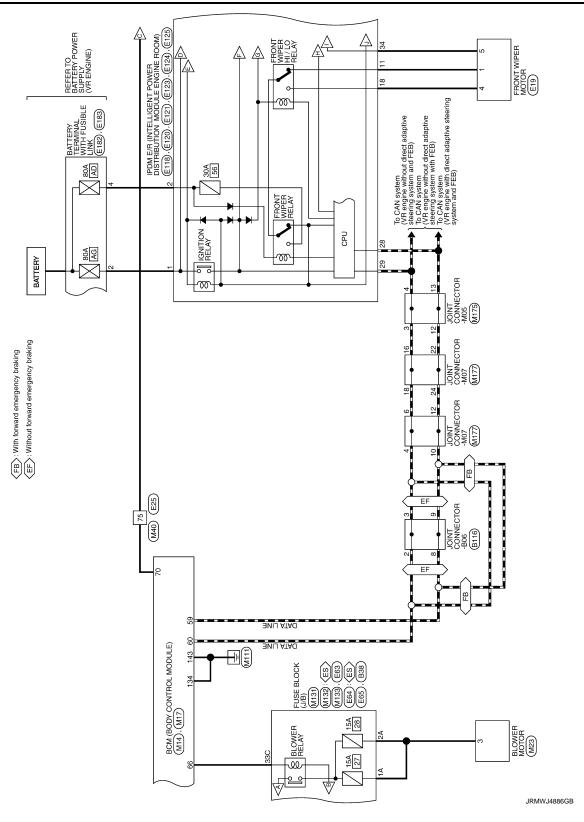
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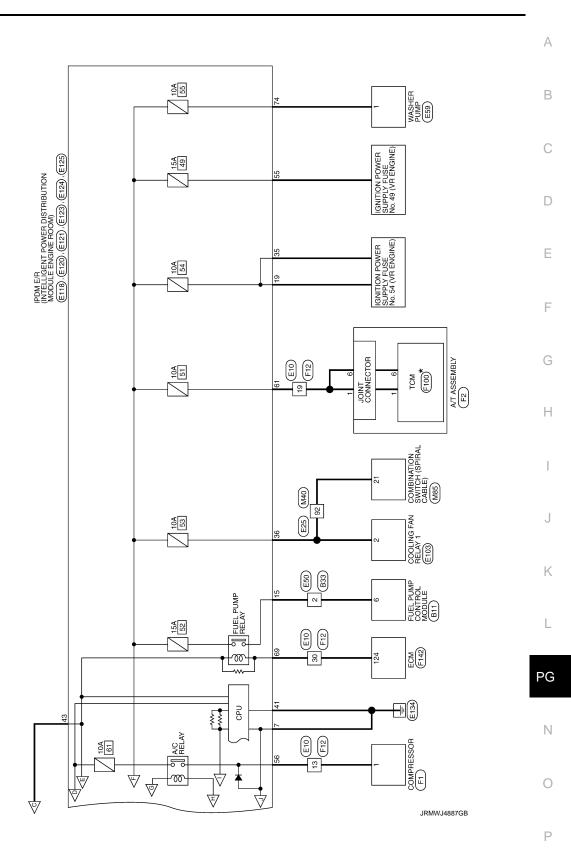
10A (JB) 388C 399C			WT : With telematics OT : Without telematics AV : With around view monitor BT : BOSE system without telematics OB : Without BOSE system
	Connector No.	Terminal	Connect to
	(M57)	14	COMBINATION METER
AV6262	B50	4	AROUND VIEW MONITOR CONTROL UNIT
	(M88)	13	A/C AUTO AMP.
	M1	14	INTEGRAL SWITCH
BT [16] (M22) (B62)	B55	56	BOSE AMP.
	M144	2	тси
	D55	22	POWER WINDOW MAIN SWITCH (DOOR MIRROR REMOTE CONTROL SWITCH)
<b> </b>	M100	33	DISPLAY CONTROL UNIT
JOINT CONNECTOR-M03	M143	22	EXTERNAL DATA INPUT BOX
23 • 24 <sup>(M173)</sup>	M163	7	AV CONTROL UNIT
L	M140	11	OPTION CONNECTOR (TOTAL ILLUMINATION CONTROL UNIT (PASSENGER SIDE))
<u>}</u>	(M141)	11	OPTION CONNECTOR (TOTAL ILLUMINATION CONTROL UNIT (DRIVER SIDE))
(M22) (B62) (OB) 16	(B49)	16	ACTIVE NOISE CONTROL UNIT

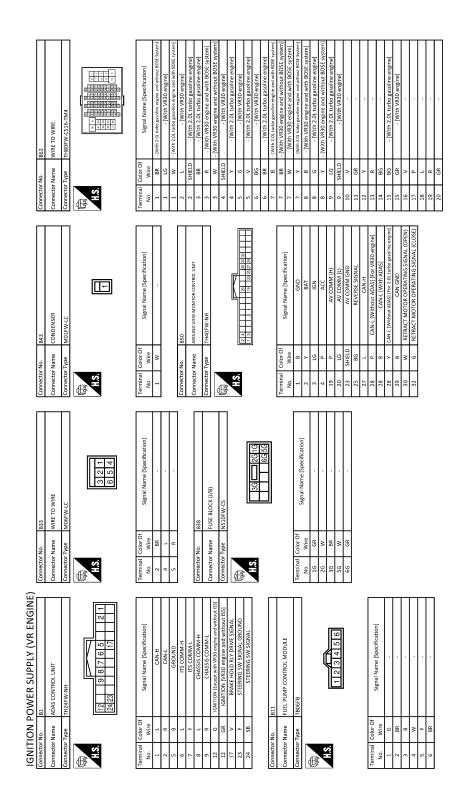
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5         GR         IGNITION           6         BR         auto socr waterwateranou socrates           Connector Nu         BB3         connector Nu           Connector Nume         SIG RADAR RH           Connector Signal Name [Specification]         n           1         B         RIGHT/LET SOUTCHING SIGNAL	a         b         Trs COMMU           4         1         TIS COMMH           5         5R         INS COMMH           6         58         INS COMMH           Commettor         INS COMMH         INS COMMH           Commettor         INS COMMENT         INS COMMH           Commettor         INS COMMENT         INS COMMENT           Commettor         INS COMMENT         INS COMMENT	Terminal         Clor Of         Signal Name [specification]           No.         Write         -           2         L         -           3         L         -           4         L         -           5         L         -           6         L         -           7         R         -           8         V         -           9         R         -	
96         R         - (Wrth 2.01 turblo gasoline engine]           97         L         - (Wrth W320 engine)           97         L         (Wrth W320 engine)           97         W         - (Wrth W320 engine)           98         - (Wrth W320 engine and with DGCE system)           99         P         - (Wrth W320 engine and with DGCE system)           99         P         - (Wrth W320 engine angine]           100         W         - (Wrth X30 engine)           100         W         - (Wrth X30 engine)           Connector No.         B63         - (Wrth X30 engine)           Connector No.         B63         - (Wrth X01 turb gasoline engine]	Terminal color Of 2         Signal Name [Specification]           No.         Wire         Signal Name [Specification]           No.         Wire         Signal Name [Specification]           2         V         COMMINIVICATION           5         B         GND           V         GND         K-LINE           Connector Name         SIDE RADAR LH           Connector Name         SIDE RADAR LH           Connector Type         AACOGFB WP-SP	Terminal color of 23456       Terminal color of 23456       Terminal color of 23456       2       2       2       3       8       15       15	
- [With 2.01 turbo gasoline engine] - [With V330 engine] - [With 2.01 turbo gasoline engine] - [With 2.01 turbo gasolin		Mith YA30 engine!     Mith YA30 engine]	
9 10 11 12 12 12 12 13 13 13 13 13 13 13 13 13 13	το τ	87 LG 87 LG 89 LG 89 LG 90 P 92 V 93 R 93 SHELD 93 SHELD 93 SHELD 93 SHELD	
IGNITION POWER SUPPLY (VR ENGINE)           21         R           22         V           23         W           24         V           25         L           26         - (With 20L turb gasoline engine)           25         L           26         W           27         R           26         W           27         R           28         L           29         LG           29         LG           20         LG           21         NUID ADD engine]           23         LG           31         SHELD           33         LG           34         SHELD           35         LG           26         With V30 engine]           33         LG           24         Lunb gasoline engine]           33         LG           24         LUID AD engine]           34         SHELD           35         LG	- [With 2.4	  [With 20. Lub gasoline engine] [With VR30 engine] 	
	φ φ	□     □ </td <td></td>	
GN 21 22 22 25 25 25 25 25 26 26 26 26 26 27 26 33 33 33 35 35 27 27 27 27 26 26 27 27 27 26 26 27 27 27 27 27 27 27 27 27 27 27 27 27	35 36 36 37 37 37 37 37 37 37 37 37 37 37 37 37	4/ 4/ 48 49 49 49 51 53 53 55 55 55 55 57 58 57 58	

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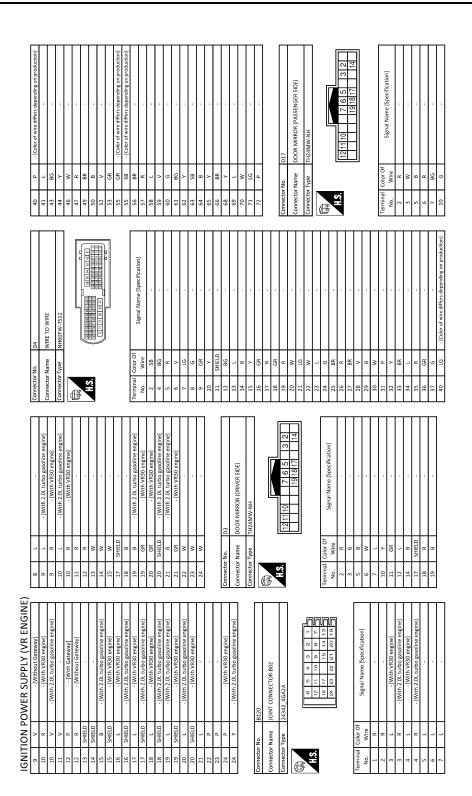
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### POWER SUPPLY ROUTING CIRCUIT



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Connector No.         Connector No.           Connector Name         No.           No.         No.           11         U.           12         No.           13         L           14         L           15         L           16         L           17         L           18         V           19         L           11         L           12         L           13         L           14         Y           15         L           16         L           17         L           18         No.           19         L           10         L           11         L	D
	E
D57       D000 MIROR ( PASENGER SIDE)         D0000 MIROR ( PASENGER SIDE)         T1224/MW-XHH         Signal Name (Specification)         Signal Name (Specification)	F
	G
24         6           Connector No.         Connector No.           Connector Name         Connector Name           1         I         I           2         I         I <td>Н</td>	Н
Reck (priver size) Reck (priver size) Reck (priver size) Signal Name [Specification] Signal Name [Specification]	I
D56       D56         D000 A MIRROR (DRIVER SIDE)         MIRZAMW-NH         Mirror (DRIVER SIDE)         Sterrin 13         Sterrin 13         Sterrin 13	J
55         1           55         1           55         1           55         1           56         5           57         1           58         5           59         5           50         5           51         5           52         5           53         5           53         5           54         4           55         4           72         4           66         6           72         1           13         6           13         6           13         6           23         6           23         1           6         8           7         1           7         6           8         6           9         7           13         6           13         6           13         6           13         1           14         1           15         1           16         8 <t< td=""><td>K</td></t<>	K
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WER SUPPLY (VR El le	PG
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IGNITION F 11 12 13 13 14 14 15 15 15 15 15 15 15 15 15 15	0

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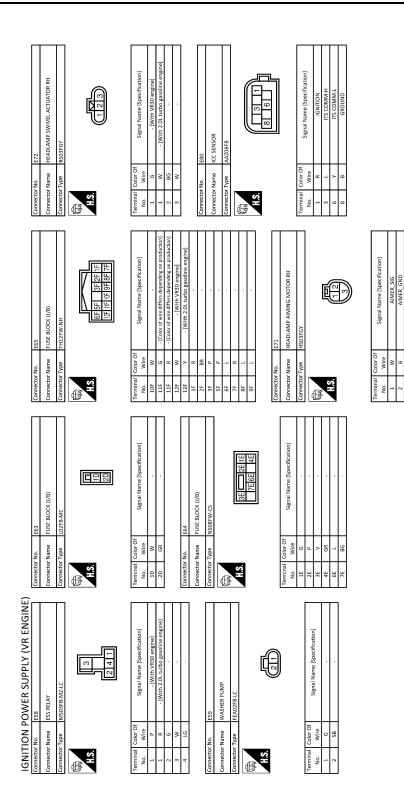
38	38 BR		Connector No.	Γ	E21	15	SB	- [With VR30 engine]	61	я	-
39	GR				TEACLARED ANALYCING MOUTON TH	16	BR	- [With 2.0L turbo gasoline engine]	64	۲	
40	SHIELD	-	COLINECTOL INALLIE			16	Y	- [With VR30 engine]	65	BR	- [Color of wire differs depending on production]
41	8		Connector Type		HS03FGY	17	BR	- [With VR30 engine]	65	GR	- [Color of wire differs depending on production]
42	Я		¢			17	GR	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	66	GR	
43	٨		E			18	9	- [With 2.0L turbo gasoline engine]	67	1G	
44	SHIELD				é	18	٩	- [With VR30 engine]	68	BG	
45	~	,	<u>с</u> н			19	>	,	69	-	
46	٩					31	>	- [With 2.0L turbo gasoline engine]	70	ы	
47	-				)	31	>	- [With VR30 engine]	71	6	- [With 2.0L turbo gasoline engine]
48	۲e					32	σ	- [With 2.0L turbo gasoline engine]	71	LG	- [With VR30 engine]
49	BG					32	ß	- [With VR30 engine]	72	_	- [With 2.0L turbo gasoline engine]
50	SHIELD	-	Terminal	Color Of	Circual Marca (Canadification)	33	_	- [With VR30 engine]	72	>	- [With VR30 engine]
51	≯		No.	Wire	Signal Name (Specification)	33	>	- [With 2.0L turbo gasoline engine]	73	σ	- [With VR30 engine]
52	σ	,	-	M	AIMER_SIG	34	۵.	,	73	N	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>
			2	œ	AIMER_GND	35	ß	,	74	BR	- [With VR30 engine]
			m	6	AIMER_VCC [With VR30 engine]	36	~	,	74	-	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>
Connector No.	r No.	E19	m	GR	AIMER_VCC [With 2.0L turbo gasoline engine]	37		- [With 2.0L turbo gasoline engine]	75	٩	- [With 2.0L turbo gasoline engine and without gateway]
Consister Nome	- Moment					37	>	- [With VR30 engine]	75	æ	- [With 2.0L turbo gasoline engine and with gateway]
COLLECTO	allphi					38	_	- [With VR30 engine]	75	>	- [With VR30 engine]
Connector Type	r Type	HS05FGY	Connector No.		E25	38	٩	- [With 2.0L turbo gasoline engine and without gateway]	76	9	
4			Connector Name		WIRE TO WIRE	38	R	- [With 2.0L turbo gasoline engine and with gateway]	77	٢	
ß	_	ļ				39	BR	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	78	ΓC	- [With 2.0L turbo gasoline engine and with ADAS]
N.	_	Į	Connector Type		TH80FW-CS16-TM4	39	>	- [With VR30 engine]	78	٩	- [With VR30 engine]
1:2.	_		ģ			40	SB		78	>	- [With 2.0L turbo gasoline engine and without ADAS]
		5 4	B			41	ΓC	-	79	SB	-
			ů II.		201	44	>		80	σ	
			6-H			45	٦	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	81	я	
						45	w	- [With VR30 engine]	82	٨	
Terminal	Terminal Color Of	Of Signal Name [Specification]				46	В	- [With VR30 engine]	83	BR	- [With 2.0L turbo gasoline engine]
No.	Wire					46	>	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	83	æ	- [With VR30 engine]
1	>					47	σ		84	ΓC	
4	-		Terminal	Color Of	Cianal Nama (Coacification)	48	SHIELD		86	BG	
2	٨		No.	Wire		49	æ	-	87	9	
			1	BG		50	BR	- [With VR30 engine]	68	PG	
			9	>		50	ß	- [With 2.0L turbo gasoline engine]	06	σ	- [With VR30 engine]
			7			51			06	GR	- [With 2.0L turbo gasoline engine]
			••	BG	- [With VR30 engine]	52	>	,	91	σ	
			80	BR	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	53	^		93	BG	
			6	8	- [With 2.0L turbo gasoline engine]	54	Р	- [With VR30 engine]	94	GR	- [With VR30 engine]
			6	GR	- [With VR30 ergine] [Color of wire differs depending on production]	54	N	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	94	-	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>
			6	ΓC	- [With VR30 engine] [Color of wire differs depending an production]	55	В	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	95	BG	- [With VR30 engine]
			10	BR		55	N	- [With VR30 engine]	95	P	- [With 2.0L turbo gasoline engine and without gateway]
			11	_		56	BG	- [With 2.0L turbo gasoline engine]	95	R	- [With 2.0L turbo gasoline engine and with gateway]
			[		for the second s		ſ	freedom and the			

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	А
10 WIRE WV-LC WV-LC Signal Name [Specification] Signal Name [Specification] Signal Name [Specification]	В
M066/	С
Connector Name Connector Name Connector Name No. Write No. Write No. Write Connector Name Connector Name	D
Ince engine   In	E
- (With 2.01, turbo gasoline engine]         - (With VR30 engine]         - (With XR30 engine]         - (With XR30 engine]         - (With VR30 engine]         - (With XR30 engine]	F
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18         V           19         59         50           20         56         5           30         5         5           31         5         5           32         5         5           33         5         5           34         5         5           32         5         5           33         5         5           34         1         0           1         1         0           1         1         0           1         1         0           1         0         0           1         0         0           1         0         0           1         0         0           1         0         0           1         0         0           1         0         0           1         0         0           1         0         0           1         0         0           1         0         0           1         0         0           1         0         0 <td>K</td>	K
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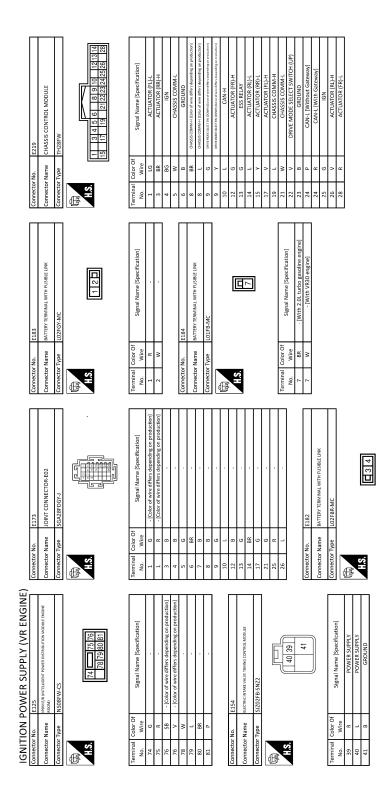
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E118     E118       Roman     Signal Name (Specification)       Roman     Signal Name (Specification)       - With V930 engine)     - With V930 engine)       - With V930 engine)     - With V930 engine)       - Signal Name (Specification)     - Signal Name (Specification)       Signal Name (Specification)     - With V930 engine)	I
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OWER SUPPLY (NR EI E3 mount cat/ lontred constraints and mount cat/ lontred constraints and signal Name (Specification) Signal Name (Specification) Signal Name (Specification) Signal Name (Specification)	PG
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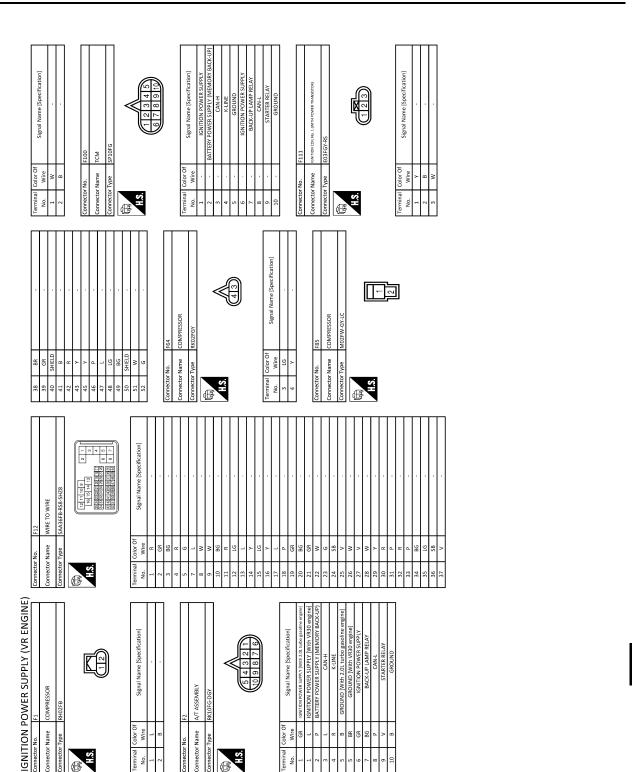
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Revision: November 2016



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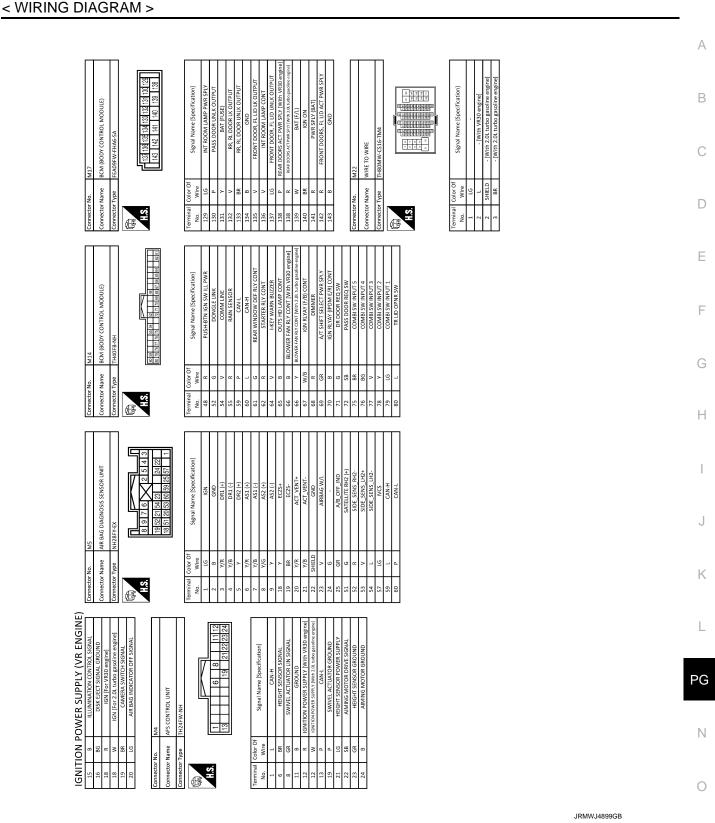
## **POWER SUPPLY ROUTING CIRCUIT**

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E

124         R         FUELPUMP RELVT           125         P         EGM BLAY/SELS SUIT-OFF)           122         P         SENSOR REQUINTOFF)           141         R         MULT-MAY CONTROL VALUE MOTOR (+)           142         L         Reinford Legistry Control VALUE MOTOR (+)           143         G         OLARGE REGOLIST COMME GLETING WARTER MAY LE           144         BG         OLARGE REGOLIST COMME GLETING WARTER MAY LE           145         BG         MULT-MAY CONTROL VALUE MOTOR (+)           146         G         MULT-MAY CONTROL VALUE MOTOR (+)           147         L         DOMART CONTROL VALUE MOTOR (+)           146         BG         ANOTTAKATOR VALUE MOTOR (+)           147         V         THINDUT CONTROL VALUE MOTOR (+)           146         G         MULT-MAY CONTROL VALUE MOTOR (+)           147         V         THINDUT CONTROL VALUE MOTOR (+)           148         CONTROL MOTOR VALUE MOTOR (+)         1           146         C         MULT-MAY CONTROL VALUE MOTOR (+)           147         V         THINDUT CONTROL VALUE MOTOR (+)           148         C         MULT-MAY CONTROL VALUE MOTOR (+)	BR 5 BR − BR 5 BR − BR 5 BR − BR 5 BR − BR 5 BR 5 BR 5 BR 5 BR 5 BR 5 BR 5 BR 5	153         56         HEATEOXYCIS ENSORMENTE2 (BANK Z)           156         L         HEATEOXYCIS ENSORMENTE2 (BANK Z)           158         V         IGNITION SIGNAL No. 2           120         P         FOUNER SUPPLY FOR ECM           170         P         POWER SUPPLY FOR ECM           170         P         POWER SUPPLY FOR ECM           170         P         FOUNER SUPPLY FOR ECM           Connector No.         M1         Connector Name	Connector Type H24FW-AH	Terminal         Color Of Nr.e.         Signal Name (Specification)           No.         Mr         ILLUMINATION SIGNAL           3         LG         ALUMINATION SIGNAL           4         Signal         ANCOMM (s)           8         G         HAZEND SIGNAL           13         B         GNISA
Corrector No. F142 Connector Name ECM Connector Type RH766G-R28-H172.8H	Terminal No.         Color Of Wire         Signal Name (Specification)           87         8         ECM 480.0UN           88         8         ECM 480.0UN           89         L         mmemory and the constraints and the constraints and the constraint and the constraints and the consthe consthe constraints and the constraints and the constraints an	33         R         ILECTER (WATER CONTINUED ACTIVITION MOTER ((JMAKE 1))         94           94         A/F SENSOR 1 HERTR ((JAMKE 1))         95         6           95         GR         A/F SENSOR 1 HERTR ((JAMKE 1))         97           95         GR         THROTTLE CONTON         50           97         R         THROTTLE CONTON         50           98         Y         HEATED OXYGEN SENSOR 1 (JAMK 2)         93           99         R         SENSOR (GROUND 0)         64           100         L         A/F SENSOR 1 (JAMK 1)         64	B         AF STORM LIDE           58         stood sound mount under the stood shift.           58         stood sound mount under the stood stood the stood stood the stood stood the stood stood stood the stood	LG         THROTTE POSITION RESSOR 2 (BANK 2)           Y         Y           AMINICID ASSUNTE PRESSURE EENSOR           G         ANNICID ASSOR GROUND           L         CRAMER ASSOR GROUND           L         CLAMARE AN COORD COOLING ARESURE EENSOR           L         CLAMARE AN COORD COOLING ARESURE EENSOR           L         CHAMER AN COORD COOLING LECTING MATER NUME 1           BG         CHAMER AN COORD COOLING LECTING MATER NUME 1           Y         TUBIOCHARGER SFEED SENSOR (BANK1)           W         TUBIOCHARGER SFEED SENSOR (BANK1)
Cometor No. F115 Connector Name Remnosci. No. 1 (WH HOWRITERI Connector Type E13FOV45	Terminal         Color Of No.         Signal Name [Specification]           1         V         -           2         B         -           3         W         -           Connector No.         F116		Terminal         Color Of         Signal Name [Specification]           No.         Wire         3           1         5B         -           2         5R         -           3         BG         -	
IGNITION POWER SUPPLY (VR ENGINE) Connector Name connector Name connector Name connector Type E03FGV-RS	Terminal         Color Of         Signal Name (Specification)           No.         Wire         Signal Name (Specification)           1         L         -         -           2         B         -         -           3         W         -         -           Connector Nuns.         F114         -         -		Terminal Color Of Signal Name (Specification) No. Wire 1 CR	

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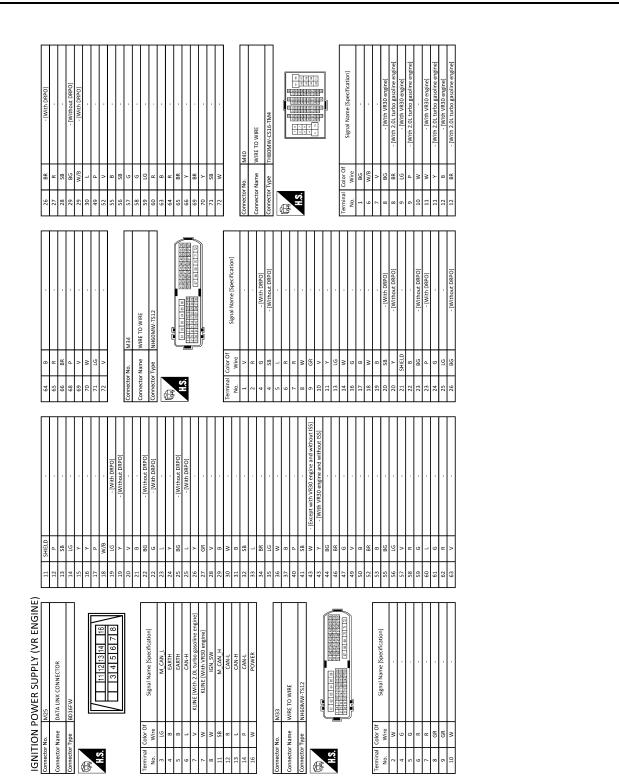
**Revision: November 2016** 

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	Connector No. M23	Connector Name BLOWER MOTOR	Connector Type NS03FW-M3		E						- H	lar	. Wire		+	6 8 .			Connector No. M24	Connector Name CAN CATEMAN		Connector Type TH12FW-NH	ſ	1 I I I I I I I I I I I I I I I I I I I		1.3.4 5 6					Terminal Color Of Signal Name [Snerification]	No. Wire operative operation	L CAN-H (0	3 W BATTERY POWER SUPPLY	r CAN-H (CAN COMMUNICATION CIRCUIT 2)		7 P CAN-II (CAN COMMINICATION CIRCUIT 2)	G R IGNITION POWER SUPPLY With VR30 energine and without ISS	. >	: @	: 8	R CAN-I (CAN CON						
	- [With VR30 engine]	- [With 2.0L turbo gasoline engine]	- [With 2.0L turbo gasoline engine]	- [With VR30 engine]	- [With 2.0L turbo gasoline engine]	<ul> <li>[With VR30 engine]</li> </ul>	- [With VR30 engine]	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	- [With VR30 engine]	- [With 2.0L turbo gasoline engine]	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	- [With VR30 engine]	- [With VR30 engine]	- [With 2.0L turbo gasoline engine]	- [With VR30 engine]	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	<ul> <li>[With VR30 engine]</li> </ul>	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	- [With VR30 engine]	- [With VR30 engine]	- [With 2.0L turbo gasoline engine]		- [With 2.0L turbo gasoline engine]	- [With VR30 engine]	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	- [With VR30 engine]	- [With VR30 engine]	- [With 2.0L turbo gasoline engine]		<ul> <li>[With VR30 engine and with BOSE system]</li> </ul>	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	- [With VR30 engine and without BOSE system]	- [With VR30 engine]	- [With 2.0L turbo gasoline engine]													
	> □		σ	SHIELD	R	N	BR	SHIELD	BR	υ	Я	>	FG	SHIELD	BR	٦	SB	٧	L	W	я	SHIELD	Я	L	7	ж	W	L	R	BR	BR	٩	>	BR	>													
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	 [moth: VB30 and and without BOSE currison]	- [with vido engine and without book system] - [With 2.0L turbo gasoline engine]	- [With VR30 engine and with BOSE system]			r			- [With 2.0L turbo gasoline engine]	- [With VR30 engine]			<ul> <li>[Except with VR30 engine and with BOSE system]</li> </ul>	- [With VR30 engine and with BOSE system]				<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	- [With VR30 engine]									- [With 2.0L turbo gasoline engine]	- [With VR30 engine]			-			- [With 2.0L turbo gasoline engine]		- [With 7.0] turbo engine]	- [With 2 OI turko gasoline engine]	- [With VR30 engine]	- [With VR30 engine]	- [With 2.0L turbo gasoline engine]		- [With 2.0L turbo gasoline engine]	- [With VR30 engine]				- [With 2.0L turbo gasoline engine]
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IGNITION POWER SUPPLY (VR ENGINE)	- [With VR30 engine]	- [With 2.0L turbo gasoline engine]	- [With VR30 engine]	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	- [With VR30 engine]	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	- [With VR30 engine]	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	- [With VR30 engine]	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	- [With VR30 engine]		'				<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	- [With VR30 engine]	- [With DCM]	- [Without DCM]								- [With 2.0L turbo gasoline engine]	- [With VR30 engine]	- [With 2.0L turbo gasoline engine]	- [With VR30 engine]	- [With VR30 engine]	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>			- [With 2 0] turbo asoline engine]			- [With VB30 engine]	- [With 2.0L turbo gasoline engine]		- [With VR30 engine]	- [With 2.0L turbo gasoline engine]	- [With VR30 engine]	- [With 2.0L turbo gasoline engine]	- [With VR30 engine]	- [With 2.0L turbo gasoline engine]
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< WIRING DIAGRAM >

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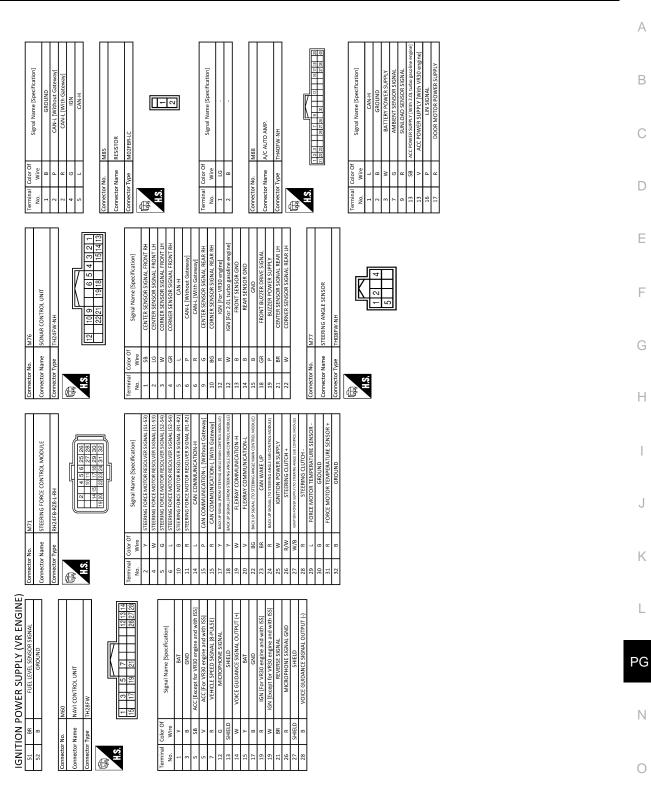
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3 6 -	5 LG -			Connector No. M56	Connector Name DBIV/ER ASSICTANCE BLIZZER CONTROL MODULE		Connector Type TH16FW-NH		Æ			ľ				lal 0	No. Wire Sector	1 G IGNITION	3 L ITS COMM-H	5 B GROUND	R WARN	L .	8	16 G WARNING BUZZER SIGNAL GROUND		ſ		Connector Name COMBINATION METER	Connector Type TH12FW-NH	Ĺ	Ē		41 42 43 44 45 46	2					Wire		42 P CAN-L	• >	- 10	RG IGNITION SIG	8 @	: ;;	ac 9
- [With VR30 engine]	- [With 2.0L turbo gasoline engine]				M42	AWD CONTROL LINIT		TH16FW-NH			K	1 2 3 7 8					Signal Name [Specification]	0	AWD SOL (+)	AWD SOL (-)	FLUID TEMP (-)	IGN	CAN-H	AWD SOL BAT	GND		FLUID TEMP (+) BATTERY POWER SUPPLY	CAN-L [Without Gateway]	CAN-L [With Gateway]			M46	HEATED SEAT RELAY		MS02FL-M2-LC			3	5	- <u>ح</u> ر ا				Signal Name [Specification]		- [Mith VB30 engine and without ISS]	[Event with M20 engine and without 133]
BR	Pl	SHIELD			No.			Type									Color Of	Wire	BR	٢	W/B	9	-	BG	8	n !	2 >	٩					Name										Color Of	Wire	e	, <u> </u>	2 M
66	66	100			Connector No.	Connector Name		Connector Type		ľ		2					Terminal	No.	1	2	ñ	7	••	6	10	3	15	16	16			Connector No.	Connector Name		Connector Type	ą	6						Terminal	No		· ^	ء د
- [With 2.0L turbo gasoline engine]						- [Color of wire differs depending on production]	- [Color of wire differs depending on production]					- [With VR30 engine]	- [With 2.0L turbo gasoline engine]	- [With 2.0L turbo gasoline engine]	<ul> <li>[With VR30 engine]</li> </ul>	<ul> <li>[With VR30 engine]</li> </ul>	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	<ul> <li>[With VR30 engine]</li> </ul>	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	<ul> <li>[With VR30 engine]</li> </ul>	- [With 2.0L turbo gasoline engine and without gateway]	- [With 2.0L turbo gasoline engine and with gateway]			- [With VR30 engine]	<ul> <li>[with 2.0L turbo gasoline engine]</li> </ul>				- [With 2.0L turbo gasoline engine]	- [With VR30 engine]	-				- [With VR30 engine]	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>				- [With VK3U engine]	- [WICH Z.UL LUNDO BASOIINE ERIBINE]	- [With 2 01 turbo ascoline and without asteway]	- [With 2:0] turbo pasoline engine and with pateway]			
٩	8	SB	W/B	٨	R	٩	٨	P	BG	-	~	^	N	L	9	æ	≥	BR		m	•	~	W/B	88	<u>ع</u>	3	± σ	~	9	BR	æ	>	>	υ	>	σ	>	>	σ	ž	<u></u> .	- 6	6 4	. «	. >	: 9	3 >
57	58	59	61	64	65	66	99	67	89	69	70	71	71	72	72	73	73	74	74	75	75	75	76	2	78	×	608	81	82	83	83	84	86	87	89	6	6	91	92	55	94	5 2	8	9	96	6	10
- [With VR30 engine]	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>		<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	- [With VR30 engine]	- [With VR30 engine]	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>		- [With VR30 engine]	- [With 2.0L turbo gasoline engine]			- [With 2.0L turbo gasoline engine]	- [With VR30 engine]	- [With VR30 engine]	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>				<ul> <li>[With VR30 engine]</li> </ul>	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	- [With VR30 engine]	- [With 2.0L turbo gasoline engine and without gateway]	- [With 2.0L turbo gasoline engine and with gateway]	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	- [With VR30 engine]			- [With 2.01 turbo sasoline engine]	- [With VR30 engine]	- [With VR30 engine]	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	- [With VR30 engine]		- [With VR30 engine]	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	- [With VR30 engine]				- [with 2.0E turbo gasoline engine]	- [with 2.0] turbo modine antine]	- [www.z.cu.cu.co.gasonice.engine] - [With VR30 engine]	- [With VR30 engine]	[Mith 2 Of turbo recoline enrine]	- (אינוו ביטב נעוטס צמסטווופ פווצווופ) האמיר עססט ההמיהם
GR	SHIELD	8	BG	SB	8	BR	PI	8	W/B	~	>	9	>	L	>	٩	ß	G	•	_		+		×	~ 6	ЧP.	BR	-	>	9	Y	BG	Я	SHIELD	в	σ	-90	BR		> (	s ;	<u>م</u>	- a	•	. y	3 8	up e
										Γ	<b></b>				-	1	-	-	-	-	<b>-</b> T	<b>T</b>	T	T	T	Т	T	r-	<b>—</b>			-		-	-1	-	-	T	T	т	Т	Т	Т	Т	Г	Т	Т

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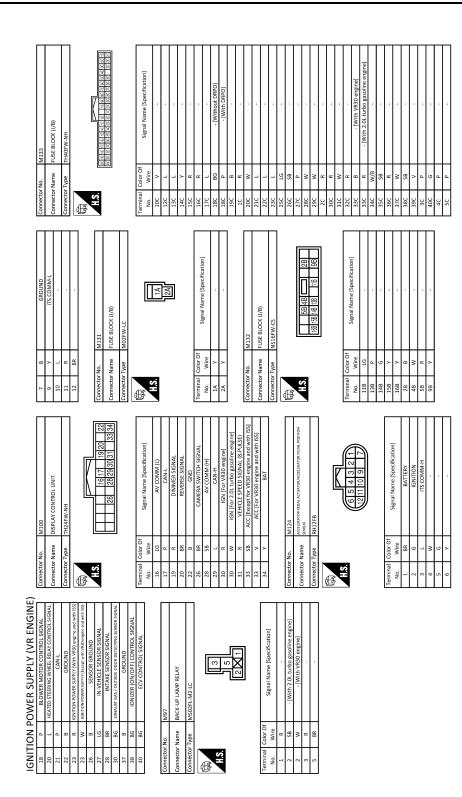
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	IGN	SHIELD MICROPHONE SIGNAL GND	K MICKOPHONE OUTPUT SIGNAL	MICRO	L MICROPHONE VCC	SB AV COMM (H)	LG AV COMM (L)		-	SHIELD SHIELD			G SOS CALL SWITCH SIGNAL			M171	DOINT CONNECTOR MOT		e 24342_4GA2A			6 5 4 3 Z 1 D	11 10 9 8 7 5	18 17 16 15 14	24 23 22 20 19		Color Of	Wire Signal Name [Specification]		- 8					- -	,	B -		. 5	- B	. 8	SB - [With VR30 enzine]	- fWith	I - [WILL 2.01 GLOD GROUINE ENGINE] CR - [WILH VR30 engine]		11IM] -	SB - [With VR30 engine]	Y - [With 2.0L turbo gasoline engine]
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M141	OPTION CONNECTOR (TOTAL ILLUMINATION CONTROL UNIT(DRIVER SIDEU		HN-MW7TH			6 5 1 3 0 1	Þ ∓	2 2			Signal Name [Specification]		IGN	BAT	TAIL_LAMP	ROOM_LAMP_OUTPUT	BATTERY_SAVER_OUTPUT	FR_DOOR_SW_RH	FR_DOOR_SW_LH	THRU_SIGNAL_1	RR_DOOR_RH	RR_DOOR_LH	ACC [With 2.0L turbo gasoline engine]	ACC [With VR30 engine]	GND			de la TIAI	TCU	TH40FB-NH			R	18 17 16 1 12 11 10 7 6 5 3 2 1	37 31 30 28 28 27 28				Cianal Nama [CanadBandian]		BAT	ACC [For 2.0L turbo gasoline engine]	ACC [For VR30 engine]		ACCUUIPUI	SUS SWITCH LEU SIGNAL	CAN-H	CAN-L
										l	Color Of	Wire	~	3	æ	>	LG	GR	>	>	9	w	SB	>	8					Γ									Color Of	Wire	>	82	>	. 9	82	ž.		٩
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M136	ne IONIZER	+	a JABU3FB		[		123				or Of Signal Name (Specification)	0		NOI	B GND			M140	OPTION CONNECTOR [TOTAL ILLUMINATION CONTROL UNIT		e TH12MW-NH				654321	11 10				Wire Signal Name [Specification]	R IGN		R TAIL_LAMP	_	BAT	GR FR_DOOR_SW_RH	V FR_DOOR_SW_LH	V THRU_SIGNAL_1	G RR_DOOR_RH	W RR_DOOR_LH	SB ACC [With 2.0L turbo gasoline engine]		GND					
Connector No.	Connector Name	Converter Time	nector type			2						No.	1	2 2	3			Connector No.	Connector Name	IIIAU NAII	Connector Type			۰ 1	ė				Ferminal Color Of		1	2			_	9	7 1	~	6	10 V	11 S	+	+					
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			· ·		Connector No. M135	Name IONIT CONNECTOR A000		Connector Type 24342_4GA2A		2 0 0 1	v 7 7 7	۔ م	16 15 14 1	23 22 21 20 1			Terminal Color Of Cinnel Namo (Constituation)	Wire Wire	. 8			- 8	. 8	B .			LG - 100000000000000000000000000000000000	+			B - [With VR30 engin		SB - [With 2.0L turbo gasolit		SB - [With 2.0L turbo gasoline		SB - [With 2.0L turbo gasoline	<ul> <li>Y - [With VR30 engine]</li> </ul>	SHIELD -			SHIELD -	-					

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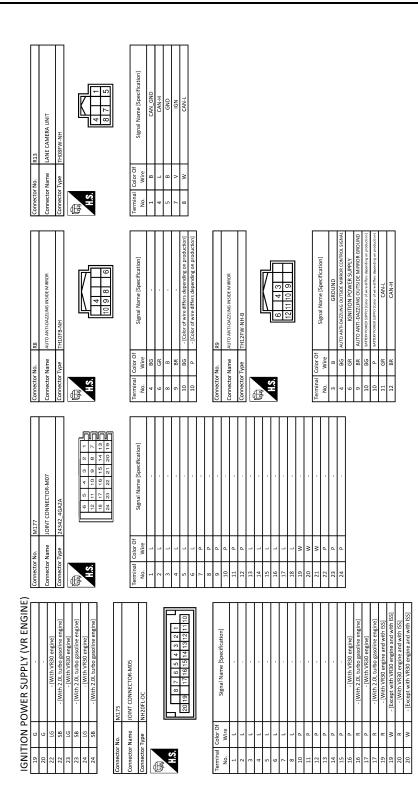
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## VR30DDTT : Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 11 -

### IGNITION POWER SUPPLY FUSE No. 11 (VR ENGINE)

FUSE BLOCK (J/B) INFOID:000000012791628

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5A (M133) Connector No. Terminal No. Connect to (M58) 46 COMBINATION METER (M97) 1 BACK-UP LAMP RELAY (M97) 3 BACK-UP LAMP RELAY (M1) 18 INTEGRAL SWITCH OPTION CONNECTOR (TOTAL ILLUMINATION CONTROL UNIT (PASSENGER SIDE)) (M140) 1 OPTION CONNECTOR (TOTAL ILLUMINATION CONTROL UNIT (DRIVER SIDE)) (M141) 1

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### < WIRING DIAGRAM >

# VR30DDTT : Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 12 -

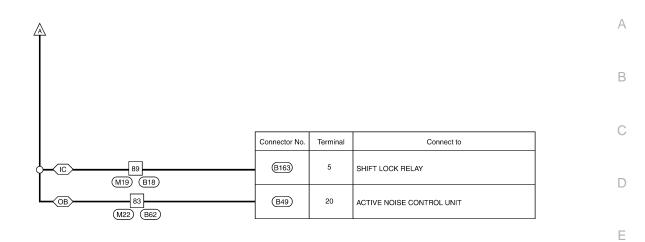
#### INFOID:000000012791629

OH: Without high beam assist system

## IGNITION POWER SUPPLY FUSE No. 12 (VR ENGINE)

10A 12 20C	FUSE BL (J/B) (M133), ( 11F			IC     : With IO       IV     : With N       AF     : With a	IAVI	WD: With direct adaptive steering AI: With ACCS HB: With high beam assist system OI: Without ICC OB: Without BOSE system OS: Without digital motion control OD: Without direct adaptive steering
	JOINT CONNECTOR -E02	3		Connector No.	Terminal	Connect to
	17 17		AF>	(E71)	3	HEADLAMP AIMING MOTOR RH
c	25 OD		ľ 🖂	(E49)	1	HEADLAMP SWIVEL ACTUATOR LH
c	9 01			(E57)	1	STOP LAMP SWITCH
¢	21		<u> </u>	E21	3	HEADLAMP AIMING MOTOR LH
c	13 OS			E22	10	CHASSIS CONTROL MODULE
	5		33 E170 E171	E83	1	EXHAUST GAS / OUTSIDE ODOR DETECTING SENSOR
				(E72)	1	HEADLAMP SWIVEL ACTUATOR RH
		• •		(E44)	1	BRAKE PEDAL POSITION SWITCH
			16 10 F12	(F64)	4	COMPRESSOR
¢ v	VD>			(M71)	25	STEERING FORCE CONTROL MODULE
<b>•</b>				(M88)	23	A/C AUTO AMP.
	<u>vv</u>		● 20 NECTOR-M05	(M60)	19	NAVI CONTROL UNIT
		(M175)		M136	1	IONIZER
+		6 (M159 (R15)	HB	R9	6	AUTO ANTI-DAZZLING INSIDE MIRROR
				R8	6	AUTO ANTI-DAZZLING INSIDE MIRROR
\				(M25)	8	DATA LINK CONNECTOR
	l	E180		E176	4	POWER STEERING CONTROL MODULE
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## VR30DDTT : Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 14 -

### IGNITION POWER SUPPLY FUSE No. 14 (VR ENGINE)

INFOID:000000012791630



AV: With around view monitor

FUSE BLOCK (J/B) 30C			$\overline{\langle AV \rangle}$ : With around view monitor $\overline{\langle AF \rangle}$ : With AFS
	Connector No.	Terminal No.	Connect to
•	M100	30	DISPLAY CONTROL UNIT
	(M76)	12	SONAR CONTROL UNIT
	M144	10	тси
AV	(B50)	3	AROUND VIEW MONITOR CONTROL UNIT
	(M46)	2	HEATED SEAT RELAY
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	(M24)	9	CAN GATEWAY
AL 31 (AF) (M159) (R15)	(R13)	7	LANE CAMERA UNIT
	<u>M4</u>	12	AFS CONTROL UNIT

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### < WIRING DIAGRAM >

## VR30DDTT : Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 22 -

### IGNITION POWER SUPPLY FUSE No. 22 (VR ENGINE)

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#### IC: With ICC AW: AWD models FUSE BLOCK (J/B) (M133, B38) 10A 7C 6G Connector No. Terminal No. Connect to (AW) IC (M42) 7 AWD CONTROL UNIT 20 JOINT 19 CONNECTOR-B02 B120 (B1) 12 ADAS CONTROL UNIT B8) (B87) (B92) 5 SIDE RADAR LH (B93) 5 SIDE RADAR RH (M56) 1 DRIVER ASSISTANCE BUZZER CONTROL MODULE

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# VR30DDTT : Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 49 -

IGNITION POWER SUPPLY FUSE No. 49 (VR ENGINE)

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155 IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) E123			
	Connector No.	Terminal No.	Connect to
F12	(F111)	3	IGNITION COIL No.1 (WITH POWER TRANSISTOR)
	(F112)	3	IGNITION COIL No.2 (WITH POWER TRANSISTOR)
•	(F113)	3	IGNITION COIL No.3 (WITH POWER TRANSISTOR)
•	(F114)	3	IGNITION COIL No.4 (WITH POWER TRANSISTOR)
•	F85	1	CONDENSER
•	(F115)	3	IGNITION COIL No.5 (WITH POWER TRANSISTOR)
•	(F116)	3	IGNITION COIL No.6 (WITH POWER TRANSISTOR)
•	(F142)	185	ECM
	E154	28	VTC CONT UNIT

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### < WIRING DIAGRAM >

## VR30DDTT : Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 54 -

### IGNITION POWER SUPPLY FUSE No. 54 (VR ENGINE)

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(IC): With ICC IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) 10A 54 (E121) Connector No. Terminal No. 19 35 Connect to ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT) (ic) (E35) 34 ACCELERATOR PEDAL ACTUATOR / ACCELERATOR PEDAL POSITION SENSOR 2 78 (M124) 2 (E25) (M40) (M157) (M158) (E80) 1 ICC SENSOR 35 (E170) (E171) (E52) 2 (IC) ICC BRAKE HOLD RELAY 13 (M77) 4 STEERING ANGLE SENSOR E47 M39 (E58) 2 ESS RELAY

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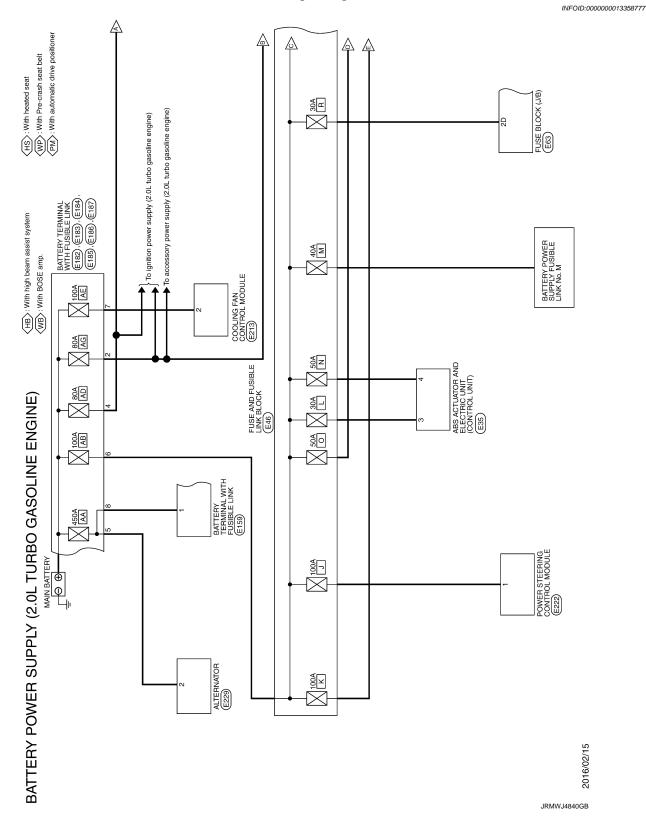
## 2.0L TURBO GASOLINE ENGINE

Revision: November 2016

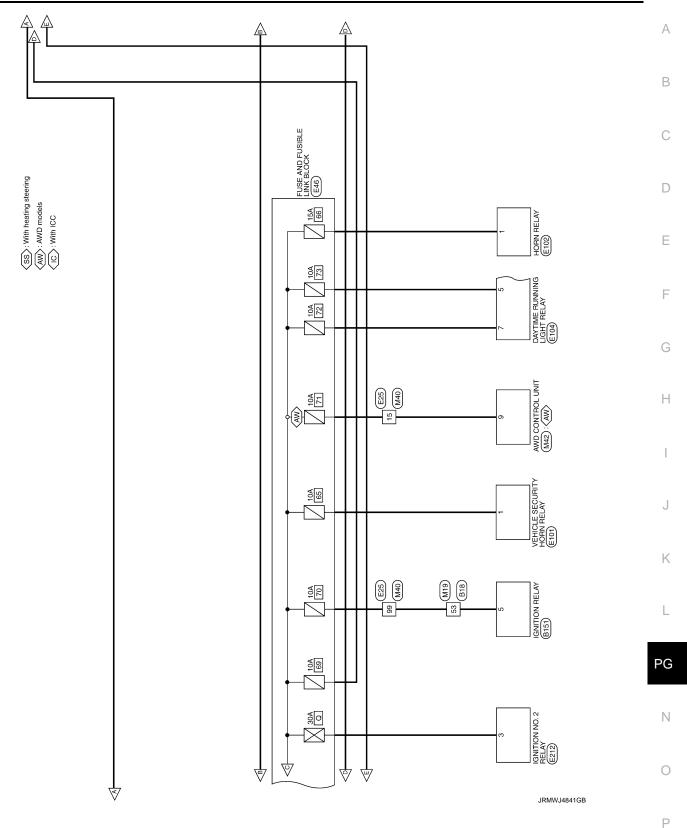
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## 2.0L TURBO GASOLINE ENGINE : Wiring Diagram - BATTERY POWER SUPPLY -

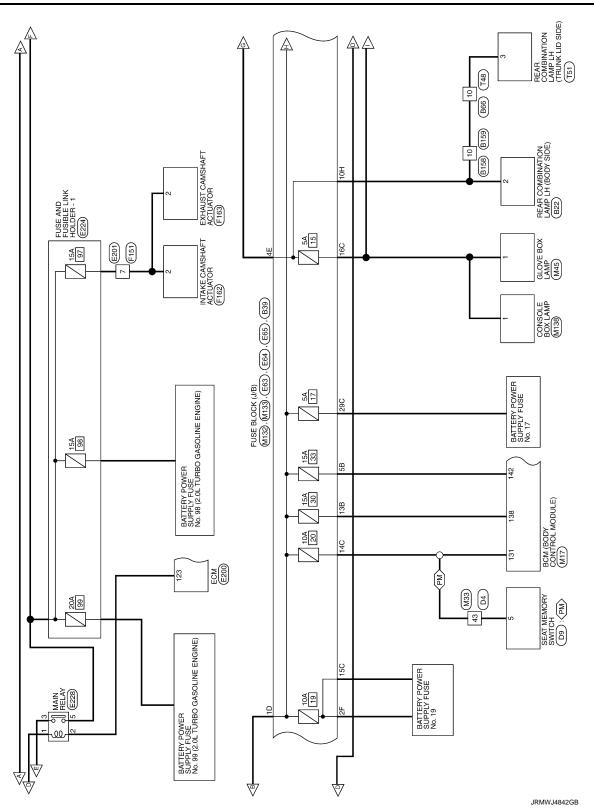






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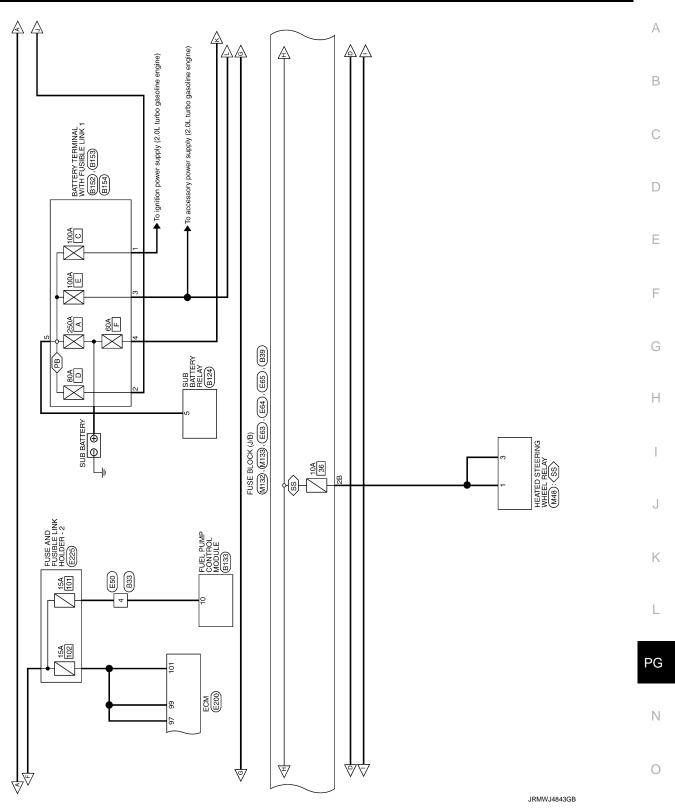
## POWER SUPPLY ROUTING CIRCUIT



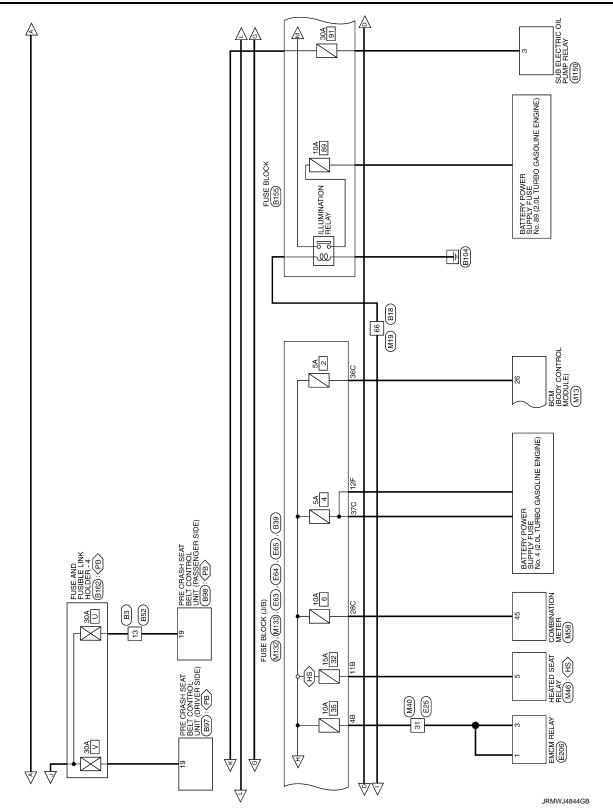
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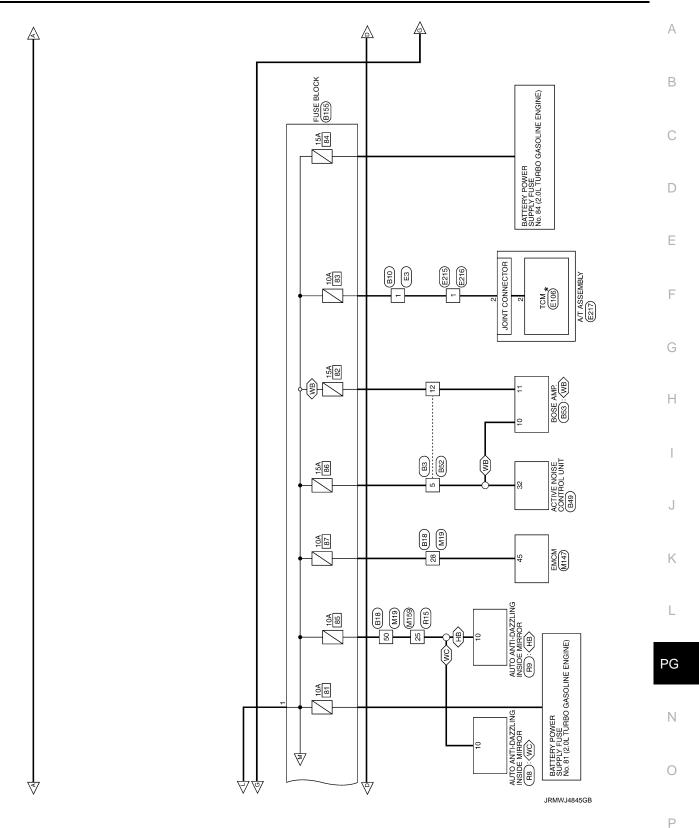
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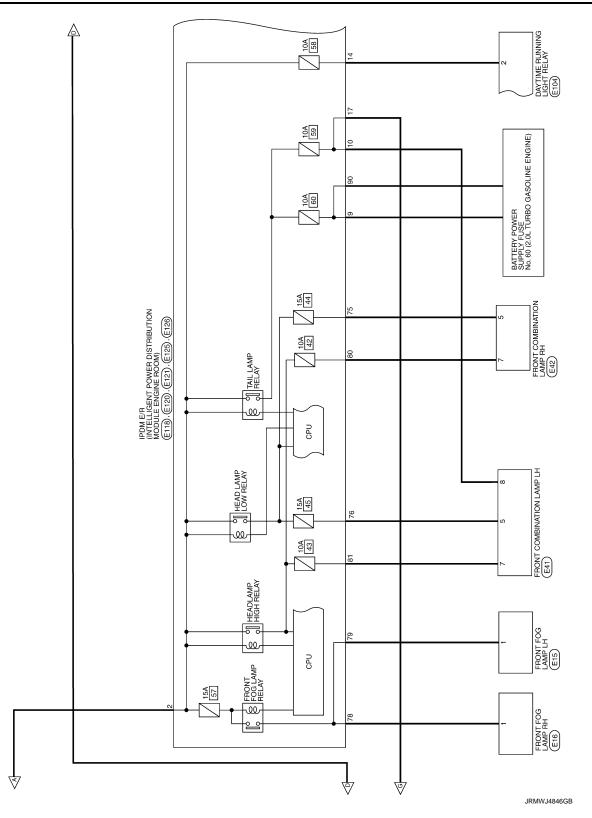
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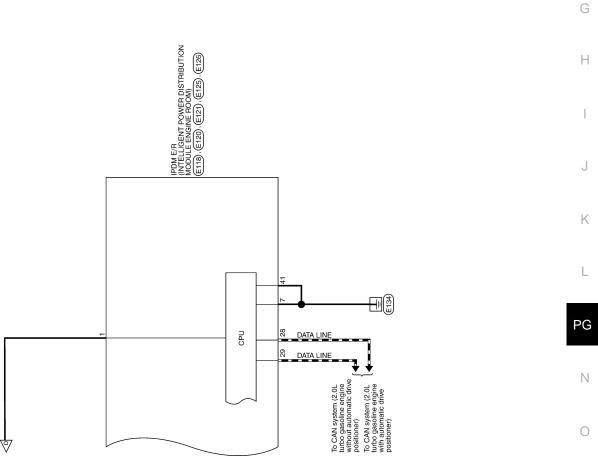


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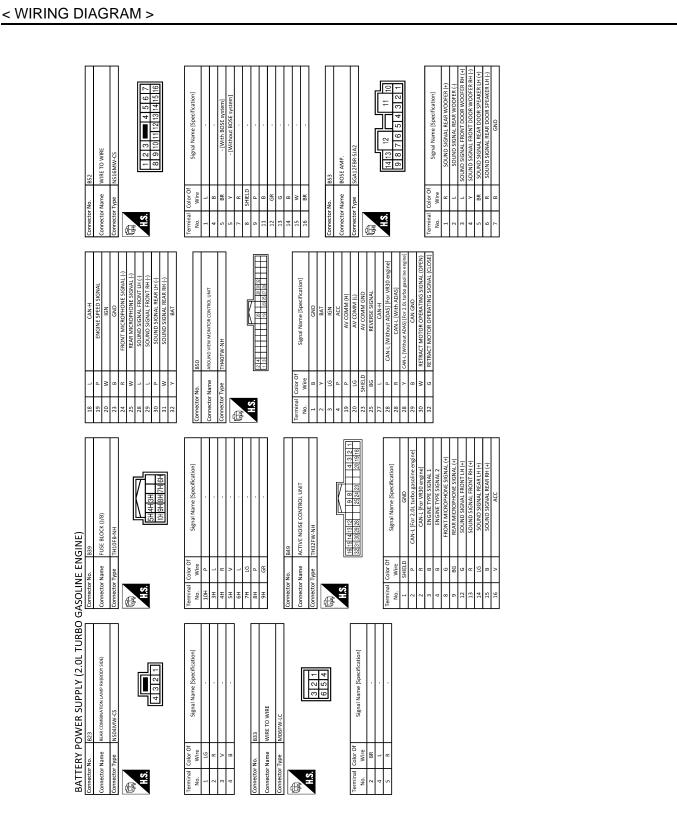
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/ POWER SUPPLY (2.0L	TURBO GASOLINE ENGINE)	NGINE)						
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Connector Name WIRE TO WIRE	6 V		13	GR	•	72	8	
	2 FG		14	æ		73	>	
Connector Type NS16FW-CS	8		15	-		74	-	
ſ	9 W		16	>		75	8	<ul> <li>[Without paddle shift]</li> </ul>
£	10 B		18	>		75	>	- [With paddle shift]
	11 6		19	BR		76	BR	
<b>1.3.</b> 7 6 5 4 <b>3</b> 2 1	12 R		20	>	,	11	•	,
16 15 14 13 12 11 10 9 8			22	~		78	SB	
	╞		23	>		62	>	- [With VR30 engine]
			24	"	- [With 2.0L turbo gasoline engine]	79	>	- [With 2.0L turbo gasoline engine]
	+		24	>	- [With VR30 engine]	18		
Terminal Color Of	╞		25	•	<ul> <li>[With 2.0L turbo gasoline engine and without gateway]</li> </ul>	82	~	,
			25	>	- [With 2.0]. turbo pasoline engine and with pateway]	83	g	
t	╀	. [Mith 2 OI turbo ascoline andine]	1 1	• >	[ [ [ [ [ [ [ [ [ [ [ [ [ [ [ [ [ [ [	6	3 -	
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	+		12			8	>	- [with paddle siller
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	21 V	- [With VR30 engine]	31	9	- [With VR30 engine]	88	9	
8 8			31	В	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	89	>	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>
_	23 V		32	8		89	≥	- [With VR30 engine]
	24 B	- [With VR30 engine]	33	8		91	GR	-
12 GR -	24 R	- [With 2.0L turbo gasoline engine]	34	FG		94	GR	
13 6 -			35	٩.		96	~	
14 B -			36	×		97	>	
	Connector No.	818	37	88	,	98	8	- [With VR30 engine and with BOSE system]
		MUDE TO MUDE	38	P1	,	98	~	- [Except with VR30 engine and with BOSE system]
	CONTRECTOR INALINE		40	٩.				
	Connector Type	TH80FW-CS16-TM4	41	SB				
Connector No. B10	ſ		42	BR		Connector No.	or No.	822
Connector Name WIRE TO WIRE	ß		43	BG		Connect	Connector Name	REAR COMBINATION LAMP LH(BODY SIDE)
	Š		44	BG				
Connector Type TH24FW-NH	Ю.Н	27 20 20 20 20 20 20 20 20 20 20 20 20 20	46	~		Connector Type	or Type	NS04MW-CS
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a B			59	35		lerminal	<u> </u>	Signal Name [Specification]
	4 LG		9	σ		No.	Wire	
1 LG - [With 2.0L turbo gasoline engine]	5 Y		61	9		1	FG	
1 Y - [With VR30 engine]	6 R		62	BG		2	٩.	
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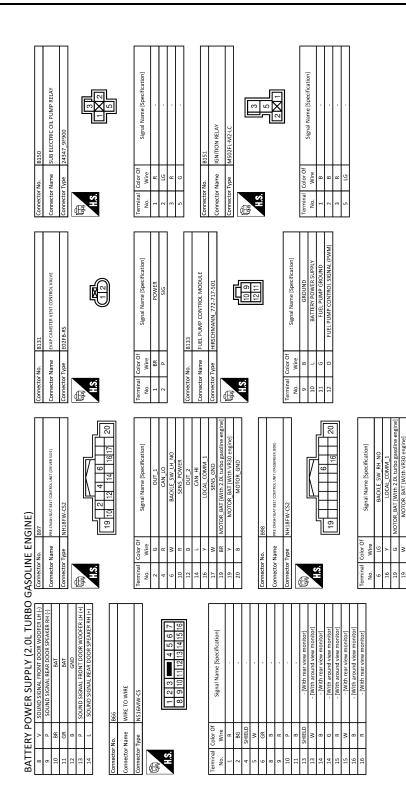
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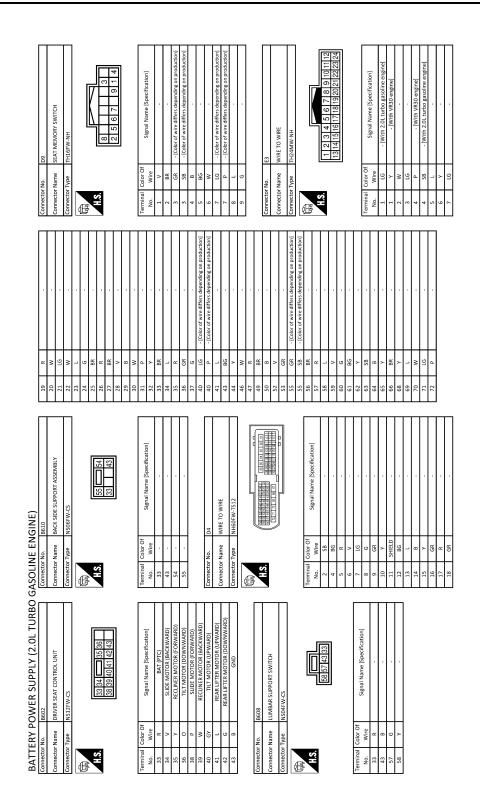
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Image: Signal Name     Signal Name	J
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### Revision: November 2016



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			urbo gasoline engine]				68	BR	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	78	9	<ul> <li>[With 2.0L turbo gasoline engine and with ADAS]</li> </ul>
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Truminio         Control         Signal Name (Specification)         A         - (Wrh.2.0.Lutrdo gasoline engine)         B         A         - (Wrh.2.0.Lutrdo gasoline engine)         B         B         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C <th< td=""><td>Trumini Control         Signal Name (Specification)         A         - (With 2.01 Lutbe gasoline engine)         B         A         - (With 2.01 Lutbe gasoline engine)         B         B         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C</td><td>Truminal Control         Signal Name ISpecification         A         - 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Timulation         Control         Signal Name (Specification)         47         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         7         1         7         1         7         1         7         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1 <td>Time         Time         <th< td=""><td>Time         Time         <th< td=""><td></td><td></td><td></td><td></td><td>46</td><td>7</td><td><ul> <li>[With 2.0L turbo gasoline engine]</li> </ul></td><td>83</td><td>œ</td><td><ul> <li>[With VR30 engine]</li> </ul></td></th<></td></th<></td>	Time         Time <th< td=""><td>Time         Time         <th< td=""><td></td><td></td><td></td><td></td><td>46</td><td>7</td><td><ul> <li>[With 2.0L turbo gasoline engine]</li> </ul></td><td>83</td><td>œ</td><td><ul> <li>[With VR30 engine]</li> </ul></td></th<></td></th<>	Time         Time <th< td=""><td></td><td></td><td></td><td></td><td>46</td><td>7</td><td><ul> <li>[With 2.0L turbo gasoline engine]</li> </ul></td><td>83</td><td>œ</td><td><ul> <li>[With VR30 engine]</li> </ul></td></th<>					46	7	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	83	œ	<ul> <li>[With VR30 engine]</li> </ul>
Tuminal No.         Control Mine         Signal Name (Specification)         46         NILL         NILL <td>Tuminal         Color Of No.         Signal Name [Specification]         Se         Section         Sec</td> <td>Tuminal         Califordi         Signal Name (Specification)         48         SHELD         1         6         7         1           1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1&lt;</td> <td>[</td> <td></td> <td></td> <td></td> <td>47</td> <td>J</td> <td></td> <td>84</td> <td>9</td> <td></td>	Tuminal         Color Of No.         Signal Name [Specification]         Se         Section         Sec	Tuminal         Califordi         Signal Name (Specification)         48         SHELD         1         6         7         1           1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1<	[				47	J		84	9	
Non-Unit         Signal Mane (Specification)         Non-Unit         Signal Mane (Specification)         Non-Unit         Signal Mane (Specification)           1         B         C         V	Non.         Signal Mane [Specification]         App         PRLM         Non-         Signal Mane [Specification]           1         BG         1         BG         - (With Vi30 engine]         9         B           7         1         1         BG         - (With Vi30 engine]         9         C           7         1         - (With Vi30 engine]         9         C         - (With Vi30 engine]         9         C           9         BG         - (With Vi30 engine]         32         V         - (With Vi30 engine]         9         C         9         C         9         C         9         C         9         C         9         C         9         C         9         C         - (With Vi30 engine]         9         C         9         C         9         C         - (With Vi30 engine]         10         10         10         10         10         10         10         10         10         10         10         10         10 <td>Non.         Signal Mane [Specification]         Non.         Signal Mane [Specification]         Non.         Signal Mane [Specification]         Non.         Non.</td> <td>Ĺ</td> <td>Tormino</td> <td>⊢</td> <td></td> <td>ę</td> <td></td> <td></td> <td>ŭ</td> <td>2</td> <td></td>	Non.         Signal Mane [Specification]         Non.         Signal Mane [Specification]         Non.         Signal Mane [Specification]         Non.	Ĺ	Tormino	⊢		ę			ŭ	2	
No.         Wire         V         40         R         -(With VR30 engine)         87         6           7         1         1         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0 </td <td>No.         Wirte         Virtu Mith         Virtu Mith</td> <td>No.         Wirte         V         49         R         - (With VH30 engine)         87         6           7         1         1         - (With VH30 engine)         51         1         - (With VH30 engine)         90         0           8         B.G         - (With VH30 engine)         51         1         - (With VH30 engine)         90         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0</td> <td></td> <td>lemn.</td> <td>_</td> <td>Signal Name [Specification]</td> <td>44</td> <td>SHIELU</td> <td></td> <td>90</td> <td>2</td> <td></td>	No.         Wirte         Virtu Mith	No.         Wirte         V         49         R         - (With VH30 engine)         87         6           7         1         1         - (With VH30 engine)         51         1         - (With VH30 engine)         90         0           8         B.G         - (With VH30 engine)         51         1         - (With VH30 engine)         90         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0		lemn.	_	Signal Name [Specification]	44	SHIELU		90	2	
1         86         90         70         87         100         90         60           7         1         1         1         1         1         1         90         6         90         6         90         6         90         6         90         6         90         6         90         6         90         6         90         6         90         6         90         6         90         6         90         6         90         6         90         6         90         6         90         6         90         6         90         6         90         6         90         6         90         6         90         6         90         6         90         6         90         6         90         6         90         6         90         6         90         6         90         6         90         6         90         6         90         6         90         6         90         6         90         6         90         6         90         6         90         6         90         6         90         6         90         6         90         10	1         86         minuturking engline         90         6           7         1         1         1         9         0         90         6           8         8         66         -1With X30 engline         90         6         90         6           9         6         1         1         1         9         6         90         6           9         6         1         1         1         1         9         6         9         6         9         6         9         6         9         6         9         6         9         6         9         6         9         6         9         6         9         6         9         6         9         6         9         6         9         6         9         6         9         6         9         6         9         6         9         6         9         6         9         6         9         6         9         6         9         6         9         6         9         6         9         6         9         6         9         6         9         6         9         6         1 <td>1         86         minuturity vision enginet         90         61           7         1         1         0         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1</td> <td></td> <td>No.</td> <td>Wire</td> <td></td> <td>49</td> <td>Я</td> <td></td> <td>87</td> <td>σ</td> <td></td>	1         86         minuturity vision enginet         90         61           7         1         1         0         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1		No.	Wire		49	Я		87	σ	
6         V         7         1         1         9         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0	6         V         7         L         7         L         9         0         C/M/th V/t30 engine1         90         C/M           7         7         1         1         1         1         1         9         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0	6         V         7         L         Muth 2.01. turbo gasoline engine!         90         C           7         1         1         1         1         1         1         9         9         0         9         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0	Ĭ	-	BG		20	BR	- [With VR30 engine]	89	9	-
7         7         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1	7         7         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1	7         7         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1		u.	2		C	5	DATIAL 2 Of anthe secolize custool	8	(	Division MD20 analysis
7         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1	7         1         1         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -	7         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1		P	>			5	- [WILL 2.01 LUIDU BASOIITE EIBITE]	00	,	
8         Bid         - (With 2011 ubbg specification)         23         V         - (With VR30 engine)         93         66           9         8         - (With 2011 ubbg specification engine)         54         V         - (With 2011 ubbg specification engine)         94         67           9         6.8         - (With 2.01 tubbg specification engine)         54         V         - (With 2.01 tubbg specification engine)         94         67           9         10         8.8         - (With 2.01 tubbg specification engine)         54         V         - (With VR30 engine)         94         67           10         8.8         - (With VR30 engine)         55         8         - (With VR30 engine)         55         10	8         B         C. (Wrh 2.01, Unbog Booline(lei)         32         V         C. (Wrh VR30 engine)         33         V           9         6         Nom 2.01, Unbog Booline engine)         54         V         Similar Si	8         B         - (Wrht 201, Urhto gasofine engine)         32         V         - (Wrht W30 engine)         33         V         34         9         6           9         8         Noht 2.01, Urhto gasofine engine)         54         V         - (Wrht W30 engine)         94         C           9         6         Noht 2.01, Urhto gasofine engine)         54         V         - (Wrht W30 engine)         94         C           10         10         10         10         No         - (Wrht M30 engine)         94         C         No           10         10         1         1         No         - (Wrht W30 engine)         94         C         No           11         10         1         10         No         - (Wrht W30 engine)         95         R         No		7	L		51	_		6	GR	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>
8         7         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1	8         7         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1	8         7         7         7         7         7         9         8         7         9         8         7         9         8         7         9         8         7         9         8         7         9         8         7         9         8         7         9         8         7         9         1         9         1         9         1         9         1         9         1         9         1         9         1         1         9         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1		×	Ч	- [Mith VR30 anging]	5	M		9	c	
B         - (Wrth 2.01 Lunto gasoline regime)         33         V         - (Wrth VR30 engine)         94         GR           GR         -(normal concentration sections and section  and section sections and sections and section sections and section sections and section section sections and section sec	In         Funct. Zut. Lumb gaseline regime;         34         V         V         Funct. Zut. Lumb gaseline regime;         34         Fer         94         En           GR         Remonitor according according regime;         54         V         V         VIMh. 201. Lubb gasoline regime;         94         GR           LG         -monitor according ac	International constraints         In	ne [Specification]		8	factor of anti-		: ;		5	, 2	
GR         Term         Utility 201, turbo gasoline engine)         54         W         - (With 730) engine)         94         GR           LG         1mov who enveloped and mode medice and mode	B         Terrub. 201: Lindo activity. 1030 engine1         54         76           1G         1000-Mitor meritione         1000-Mitor meritione         94         100           1G         1000-Mitor meritione         1000-Mitor meritione         94         100           1G         1000-Mitor meritione         1000-Mitor meritione         94         100           1G         1000-Mitor meritione         1000-Mitor meritione         95         100           1G         1000-Mitor meritione         1000-Mitor meritione         95         100           1G         1000-Mitor meritione         1000-Mitor Mitor meritione         95         100           1G         1000-Mitor meritione         1000-Mitor Mitor	B         Terrub. 201: Lindbo activitie regime)         54         76         - (With 201: Lindbo activitie regime)         94         16           1G         1mm Nmar negativitie regime         55         8         - (With 201: Lindbo activitie regime)         95         7           1G         1mm Nmar negativitie regime         55         W         - (With 201: Lindbo activitie regime)         95         7         7           1         - (With 2.01: Lindbo activitie regime)         55         W         - (With V320 engline)         95         7         W           1         - (With 2.01: Lindbo gazoline engline)         55         W         - ((Mith V320 engline)         95         16         -         95         7         W           1         - (With 2.01: Lindbo gazoline engline)         57         W         - ((Mith V320 engline)         95         16         -         100         95         16         -         16         N         -         101         101         101         101         101         101         101         101         101         101         101         101         101         101         101         101         101         101         101         101         101         101         101		•	20	<ul> <li>[writh 2.0L turbo gasoline engine]</li> </ul>	ก	>		'n	2	
CR         Transmission         C4         W         -(With 2.01, turbo gasoline engine)         94         L           1G         Immunol intermation interma	GR         Immunitation and member	GR         Immunormentation         GA         Immun	,	6		<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	54	٩.	<ul> <li>[With VR30 engine]</li> </ul>	94	ß	<ul> <li>[With VR30 engine]</li> </ul>
LG         Num vita sequel card or exterior mean regiment         S         N         Num vita sequel card or exterior mean regiment         S         B         Num vita sequel card or exterior mean regiment         S         B         Num vita sequel card or exterior mean regiment         S         B         Num vita sequel card or exterior mean regiment         S         B         Num vita sequel card or exterior mean regiment         S         B         Num vita sequel card or exterior mean regiment         S         B         Num vita sequel card or exterior mean regiment         S         B         Num vita sequel card or exterior mean regiment         S         B         Num vita sequel card or exterior mean regiment         S         B         Num vita sequel card or exterior mean regiment         S         B         Num vita sequel card or exterior mean regiment         S         B         Num vita sequel card or exterior mean regiment         S         B         Num vita sequel card or exterior mean regiment         S         B         Num vita sequel card or exterior mean regiment         S         B         Num vita sequel card or exterior mean regiment         S         S         Num vita sequel card or exterior mean regiment         S         S         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N </td <td>IC         Immunol Sector         Immunol Sector         Immunol Sector         Sector</td> <td>I.G.         Immunolity and a constrained of a constrained</td> <td></td> <td>•</td> <td>9</td> <td>. [Utith UB3D anainal IC/Vice of wire differs daranding on modulation]</td> <td>2</td> <td>W</td> <td>- [M/ith 2 OI turko aneolina analual</td> <td>10</td> <td>-</td> <td>- RWIth 2 OL turko menlina anginal</td>	IC         Immunol Sector         Immunol Sector         Immunol Sector	I.G.         Immunolity and a constrained of a constrained		•	9	. [Utith UB3D anainal IC/Vice of wire differs daranding on modulation]	2	W	- [M/ith 2 OI turko aneolina analual	10	-	- RWIth 2 OL turko menlina anginal
10         Trumm. Statute operations         35         16         - (Wmth 320 ergine)         95         96           1         L         - (Wmth 730 ergine)         95         W         - (Wmth 320 ergine)         95         P           1         L         - (Wmth 730 ergine)         95         W         - (Wmth 320 ergine)         95         P           2         F         - (Wmth 730 ergine)         97         W         - (Wmth 730 ergine)         95         F           2         F         - (Wmth 730 ergine)         97         B         - (Wmth 740 ergine)         97         LG           2         F         - (Wmth 740 ergine)         97         B         - (Wmth 740 ergine)         97         LG           2         F         - (Wmth 740 ergine)         97         B         - (Wmth 740 ergine)         97         LG           2         F         - (Wmth 740 ergine)         97         W         - (Wmth 740 ergine)         97         LG           8         - (Wmth 720 truno gravine ergine)         97         W         - (Wmth 740 ergine)         99         LG           8         - (Wmth 720 truno gravine ergine)         93         W         - (Cotor of wire differe differe differe di	ID         Term 20, Term 20, and the expension of the content exponent on the content exponent of the content expension of the content expe	10         Trimmon Statution Section and contained and containterated and contained and containterate and contained and cont			5 !	Instrume of the Barren of the second fourth in second for the	5	;				
BR         55         W         -(With VR30 engine)         95         P           1         Image: constraint of the state	BR         Control         55         W         - [With VR30 engine]         55         8         - [With VR30 engine]         55         8         R         95         R         8           CR         - [With VR30 engine]         56         56         56         - [With VR30 engine]         55         58         - [With VR30 engine]         56         57         W         - [With VR30 engine]         56         V         V         V         56         10         V         56         10         V         56         10         V         56         V         V         10         57         V         V         V         V         57         V         - [With VR30 engine]         57         V         - [With VR30 engine]         59         L         10         V         10         V         10         V         10         V         10         V         10         V         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10<	BR		ъ	2	<ul> <li>[With VR30 engine] [Color of wire differs depending on production]</li> </ul>	55	8	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	56	58	<ul> <li>[With VK30 engine]</li> </ul>
L         Sec         - [With 2.01, turbo gasoline engine]         95         8         - [With 7.20, turbo gasoline engine]         95         8           P         - [With 2.01, turbo gasoline engine]         57         56         35         - [With 7.20, turbo gasoline engine]         97         16           SHELD         - [With 2.01, turbo gasoline engine]         57         86         - [With V430 engine]         97         16           SHELD         - [With 2.01, turbo gasoline engine]         57         8         - [With V430 engine]         97         16           GR         - [With 2.01, turbo gasoline engine]         57         8         - [With 2.01, turbo gasoline engine]         93         1.0           GR         - [With 2.01, turbo gasoline engine]         58         8/W         - [Color of wire diffice depending on production]         93         16           SGR         - [With 2.01, turbo gasoline engine]         59         W         - [Color of wire diffice depending on production]         93         16           SGR         - [With 2.01, turbo gasoline engine]         54         W         - [With 2.01, turbo gasoline engine]         54         Y	L         56         BG         - [With 2.01, turbo gasoline engine]         95         R           R         [With V30 engine]         55         58         - [With V30 engine]         95         K           P         - [With 2.01, turbo gasoline engine]         57         BG         - [With V30 engine]         97         LG           SHELD         - [With 2.01, turbo gasoline engine]         57         BG         - [With V30 engine]         97         LG           SHELD         - [With 2.01, turbo gasoline engine]         57         BG         - [With 2.01, turbo gasoline engine]         97         LG           SHELD         - [With 2.01, turbo gasoline engine]         58         B/W         - [Color of wire differ depending on production]         99         LG           S         B/W         - [Color of wire differ depending on production]         99         P         LG           S         B/W         - [Color of wire differ depending on production]         99         P         LG           S         - [With Y3.00 engine]         51         R         K         -[Color of wire differ depending on production]         99         P         LG           S         - [With Y3.00 engine]         51         R         K         -[Color of wire differ de	L         56         BG         - [With 2.01, turbo gasoline engine]         95         R           FR         - [With X.20, turbo gasoline engine]         55         58         - [With X.20, turbo gasoline engine]         95         L           SHELD         - [With 2.01, turbo gasoline engine]         57         BG         - [With X.20, turbo gasoline engine]         97         L           SHELD         - [With X.01, turbo gasoline engine]         57         BG         - [With X.20, turbo gasoline engine]         97         L           SHELD         - [With X.01, turbo gasoline engine]         57         B         - [With X.20, turbo gasoline engine]         98         L           SHELD         - [With X.20, turbo gasoline engine]         58         B/W         - [Color of wire differs depending on production]         99         P         LG           SR         - [With X.20, turbo gasoline engine]         59         W         - [Color of wire differs depending on production]         99         P         L           SR         - [With X.20, turbo gasoline engine]         51         R         - [Color of wire differs depending on production]         99         P         L           SR         - [With X.20, turbo gasoline engine]         51         R         R         - [Color of wire differs depend		10	BR		55	3	<ul> <li>[With VR30 engine]</li> </ul>	95	۵.	- [With 2.0L turbo gasoline engine and without gateway]
C         Term         Color of with YS30 engine1         25         56         58         Term         Color of with YS30 engine1         56         56         58         Term         50         97         165           P         - (Wrth YS0 engine1)         25         56         58         - (Wrth YS0 engine1)         95         16           SHELD         - (Wrth XS0 engine1)         27         W         - (Wrth YS0 engine1)         97         165           W         - (Wrth XS0 engine1)         28         B         - (Color of wire differ depending on production)         99         16           B         - (Wrth XS0 engine1)         28         B/W         - (Color of wire differ depending on production)         99         16           SB         - (Wrth XS0 engine1)         53         W         - (Color of wire differ depending on production)         99         16           SB         - (Wrth XS0 engine1)         59         W         - (Color of wire differ depending on production)         99         16           SB         - (Wrth XS0 engine1)         51         R         - (Wrth XS0 engine1)         59         P	C         - (Wrth VR30 ergine)         - 3         - 30         - (Wrth VR30 ergine)         - 35         - (Wrth VR30 ergine)         - 35         - Wrth VR30 ergine)         - 35         - 1 (Wrth VR30 ergine)         - 36         - 3 (Wrt	CR         - Turn. sol. num. sol. more solutine regimed         55         56         - Turn. sol. num. sol. more solutine regimed         57         N           F         - TURL 20. Lundo gazonite engined         57         WG         - TURN TASO engined         59         1/G           SHELD         - TURN 20. Lundo gazonite engined         57         WG         - TURN TASO engined         59         1/G           W         - TURN 20. Lundo gazonite engined         57         W         - TURN 780 engined         56         L         - TURN 780 engined         56 <t< td=""><td></td><td>=</td><td>-</td><td></td><td>9</td><td>U.a</td><td>[hill+h 2 OI +1.eho encolino onerino]</td><td>a</td><td>•</td><td>[14/14b 2 Of studio modules and an advantation]</td></t<>		=	-		9	U.a	[hill+h 2 OI +1.eho encolino onerino]	a	•	[14/14b 2 Of studio modules and an advantation]
GR         With Y3D curve parallele regime         56         53         S1         With Y3D carginel         95         W           5HELD         P         - (With Y3D carginel)         97         BG         - (With Y3D carginel)         97         W           5HELD         - (With 20L turbo gasoline regime)         97         BG         - (With W3D carginel)         97         U           6         - (With 20L turbo gasoline regime)         97         BG         - (With W3D carginel)         97         U         - (With W3D carginel)         97         LG         - (With W3D carginel)         98         LG         - (With W3D carginel)         99         LG         - (With W3D carginel)         99         LG         - (With W3D carginel)         99         LG         - (With W3D carginel)         96         LG         - (With W3D carginel)         99         LG         - (With W3D carginel)         90         LG         - (With W3D carginel)         90         LG         - (Mith W3D carginel)         90         LG         - (Mith W3D carginel)         90         LG         - (Mith W3D carginel)         90         LG	GR         With M3 or equival         56         58         Nuth M3 or equival         96         W           7         With X20L turbo gasoline ergine]         57         BG         - (With X20L turbo gasoline ergine]         97         LG           8         - (With 20L turbo gasoline ergine]         57         W         - (With 20L turbo gasoline ergine]         97         LG           8         - (With 20L turbo gasoline ergine]         58         L         - (Color of wire offers depending on production)         99         LG           8         B         - (Color of wire offers depending on production)         99         LG           6         - With 20L turbo gasoline ergine]         59         LG         -           8         B         - (Color of wire offers depending on production)         99         LG           6         - With 20L turbo gasoline ergine]         59         W         -         -           8         B         - (With 20L turbo gasoline ergine]         59         LG         -         -           9         - (With 20L turbo gasoline ergine]         59         W         -         -         -           9         - (With 20L turbo gasoline ergine]         59         W         -         -	GR         With M3D engine!         56         58         Cluth M3D engine!         96         W           P         -         With 20. turbo gasoline engine!         97         BG         -         With 20. turbo gasoline engine!         97         LG           SHELD         -         With 20. turbo gasoline engine!         97         BG         -         With 20. turbo gasoline engine!         97         LG           M         -         With 20. turbo gasoline engine!         57         W         -         With 20. turbo gasoline engine!         97         LG           M         -         With 20. turbo gasoline engine!         53         B         -         Ukuth 30. engine!         97         LG           SI         B         -         Ukuth 30. engine!         9         LG         100         SHELD         99         LG           SI         B         -         Ukuth 30. engine!         99         LG         100         SHELD         100         SHE		1	-		ĥ	2	- [with 2.01 turno gasonine engine]	2	۷	- [with 2:00 mino gasoline crigine and with gateway]
P         · (Wrth 2.0L turbo gasoline engine)         57         BG         · (Wrth VR30 engine)         97         LG           SHELD         · (Wrth 2.0L turbo gasoline engine)         57         W         · (Wrth 2.0L turbo gasoline engine)         97         L           W         W         · (Wrth 2.0L turbo gasoline engine)         57         W         · (Wrth 2.0L turbo gasoline engine)         98         L         ·           B         · (Wrth 2.0L turbo gasoline engine)         58         B/W         · (Color of wire differ 4 depending on production)         99         L         ·           SB         · (Wrth 2.0L turbo gasoline engine)         59         W         · (Color of wire differ 4 depending on production)         99         L         ·           SB         · (Wrth 2.0L turbo gasoline engine)         59         W         · (Color of wire differ 4 depending on production)         99         P         ·           SB         · (Wrth 2.0L turbo gasoline engine)         59         W         · (Color of wire differ 4 depending on production)         99         P         ·           SB         · (Wrth 2.0L turbo gasoline engine)         54         Y         · (Color of wire differ 4 depending on production)         99         P         ·	P         - [Wrth 2.0L turbo gasoline engine]         57         BG         - [Wrth VR30 engine]         97         LG           NHLED         - [Wrth 2.0L turbo gasoline engine]         57         W         - [Wrth 2.0L turbo gasoline engine]         98         L         98         L         99         L         100           W         - [Wrth VR30 engine]         58         B         - [Color of wire differe depending on production]         99         L         99         L         100         54112         L         54         V         - [Color of wire differe depending on production]         99         L         54         L         L         54         V         100         54112         L         54112         L         54112         L         54112         L         54112         L         54112         100         54112         L         54112         L         100         54112         100         54112         100         54112         100         54112         100         54112         100         54112         100         54112         100         54112         100         54112         100         54112         100         54112         100         54112         100         54112         100	P         - [With 2.0L turbo gasoline engine]         57         BG         - [With VR30 engine]         97         LG           NHL         - [With 2.0L turbo gasoline engine]         57         W         - [With 2.0L turbo gasoline engine]         98         L         98         L         -           W         - [With 2.0L turbo gasoline engine]         57         W         - [Cohor d'wire differ dapending on production]         99         L         -           B         - [With 3.0L turbo gasoline engine]         58         B/W         - [Cohor d'wire differ dapending on production]         99         P         D           SB         - [With 3.0L turbo gasoline engine]         59         W         - [Cohor d'wire differ dapending on production]         99         P         D           SB         - [With 3.0L turbo gasoline engine]         59         W         - [Cohor d'wire differ dapending on production]         99         P         D           BR         - [With 3.0L turbo gasoline engine]         54         Y		12	8	<ul> <li>[With VR30 engine]</li> </ul>	28	SB	<ul> <li>[With VR30 engine]</li> </ul>	96	3	
SHELD         - (With 2.01: turbo gasoline engine]         57         W         (With 2.01: turbo gasoline engine]         98         L           W         - (With 2.01: turbo gasoline engine]         57         W         (With 2.01: turbo gasoline engine]         98         L           W         - (With 2.01: turbo gasoline engine]         58         B         - (Color of wire differ: depending on production)         99         LG           GR         - (With 7.00: turbo gasoline engine]         59         W         - (Color of wire differ: depending on production)         99         P           SR         - (With 7.00: turbo gasoline engine]         61         R         - (Color of wire differ: depending on production)         99         P           BR         - (With 7.00: turbo gasoline engine]         61         R         - (Color of wire differ: depending on production)         99         P	SHELD         - (With 2.01 turbo gasoline engine)         57         W         - (With 2.01 turbo gasoline engine)         98         L           W         - (With 2.01 turbo gasoline engine)         53         W         - (Nith 2.01 turbo gasoline engine)         99         LG           B         - (Color of wire office depending on production)         99         LG         99         LG           GR         - (With 2.01 turbo gasoline engine)         59         W         - (Color of wire office depending on production)         99         LG           SR         B/W         - (Color of wire office depending on production)         99         LG           SR         W/W         - (With 2.01 turbo gasoline engine)         59         W         - (Color of wire office depending on production)         99         LG           SR         - (With 2.01 turbo gasoline engine)         59         W         - (Color of wire office depending on production)         99         LG           SR         - (With 2.01 turbo gasoline engine)         51         R         W         - (Color of wire office depending on production)         99         LG           SR         - (With 2.01 turbo gasoline engine)         61         Y         N         - (Color of wire office depending on production)         100         SHED	SHEID         - I Writh 2.01 turbo gasoline engine]         57         W         - [Writh 2.01 turbo gasoline engine]         98         L           W         - [Writh 2.01 turbo gasoline engine]         53         B         - [Color of wire affect appendiction]         99         LG           B         - [Writh 2.01 turbo gasoline engine]         53         B.W         - [Color of wire affect appendiction]         99         LG           S         B         W         - [Color of wire affect appendiction]         99         LG           S         B         W         - [Color of wire affect appendiction]         99         LG           S         W         - [Color of wire affect appendiction]         99         LG         100         SHEID           S         W         - [Color of wire affect appendiction]         99         LG         100         SHEID           S         W         - [Color of wire affect appendiction]         99         LG         100         SHEID         100         SHEID           B         - [Writh 20.01 turbo gasoline engine]         61         Y          100         SHEID         100         SHEID         100         SHEID         100         SHEID         100         SHEID         100		1	•	- [With 2 OI turbo asoline engine]	5	BG	- [With VR3() engine]	97	9	
Witt.         Umm 2.01 turbe gasoline regime         27         W mm 2.01 turbe gasoline regime         98         L           W         -With X30 regime         55         B         -(Cohor d'wire differ depending on production)         99         L           B         -(With X30 regime)         55         B, V         -(Cohor d'wire differ depending on production)         99         L           58         B/W         -(Cohor d'wire differ depending on production)         99         P         E           58         B/W         -(Cohor d'wire differ depending on production)         99         P         E           58         -(With X30 regine)         59         W         100         SHELD         B           64         Y         -(Vith X30 regine)         64         Y          100         SHELD	Mill.         - With J. Utrop gasoline regime;         57         W         J. Mith. J. Utrop gasoline regime;         98         L           W         - (With VR30 regime)         58         B         - (Color of wire differe dipending on production)         99         L           B         - (With VR30 regime)         58         B/W         - (Color of wire differe dipending on production)         99         P           GR         - (With VR30 regime)         59         W         - (Color of wire differe dipending on production)         99         P           SR         - (With VR30 regime)         51         W         - (Color of wire differe dipending on production)         99         P           B         - (With VR30 regime)         61         Y	Witt.         Untriventional         57         W         Untriventional         98         L           W         -(With 2.01 turbe gasoline engine)         53         B         -(Color of wire differ depending on production)         99         L           B         -(With 7.01 turbe gasoline engine)         53         B/W         -(Color of wire differ depending on production)         99         P         E           SR         -(With 7.01 turbe gasoline engine)         53         B/W         -(Color of wire differ depending on production)         99         P         E           SR         -(With 7.01 turbe gasoline engine)         51         R         -         -         -         -         -         -         -         -         -         00         SHELD         -         B         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -				ļ						
W         - (With VR30 engine)         S8         B         : (Color of wire differs depending on production)         99         P0           F         B         W         : (Color of wire differs depending on production)         99         P         P           F         WWith 2.01: unbogasoline engine)         59         W         100         SHILID           F         - (With YR30 engine)         61         R         100         SHILID           F         - (With 2.01: unbogasoline engine)         61         Y         -         -	N         - (With Vi30 engine)         58         B         - (Color of wire affres dependition)         99         LG           B         B         - (Color of wire affres dependition)         99         LG           GR         - (With 2.01 turbo gasoline engine)         59         W         99         LG           SB         B/W         - (Color of wire affres depending on production)         99         LG         99         LG           SB         P/W         - (Color of wire affres depending on production)         99         LG         99         LG           SB         P/W         - (Color of wire affres depending on production)         93         W         100         SHELD           SB         - (With 2.01 turbo gasoline engine)         E1         R         - (With 2.01 turbo gasoline engine)         54         Y	N         - (With VR3 0 mglne)         58         B         - (Color d wire differe dependition on production)         99         LG           B         6         - (With 2.01 turbo gasoline engine)         59         W         99         LG           58         B/W         - (Color d wire differe depending on production)         99         100         541           58         - (With 2.01 turbo gasoline engine)         51         W         - (Color d wire differe depending on production)         99         LG           58         - (With 2.01 turbo gasoline engine)         51         R         - (With 2.01 turbo gasoline engine)         54         Y         - (With 2.01 turbo gasoline engine)		13	SHIELU		5/	>	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	86	-	
6         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0	8         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0	8         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0		ť	3	- [With VR30 engine]	85	æ	<ul> <li>- [Color of wire differs depending on production]</li> </ul>	66	5	- [With 2.01 turbo easoline engine]
B         B         F(With 2.01 Lundo gazoline erigine)         38         B/W         - (Color of wire differs depending on production)         99         P           58         - (With 7.30 erigine)         59         V         - (Color of wire differs depending on production)         100         SHIELD           58         - (With 7.30 erigine)         61         R             58         - (With 7.30 erigine)         64         Y	B         S         B/W         -[Color of wire differs depending on production]         99         P           G         R         -[With 2.01 turbo gazoline engine]         59         W         100         SHELD           SB         -[With 3.01 turbo gazoline engine]         61         R         100         SHELD           BR         -[With 2.01 turbo gazoline engine]         64         Y         -         -	B         B/W         -[Color of wire differs depending on production]         99         P           GR         -[Writh 2.01 Lurbo gazoline engine]         59         W         -100         SHIELD         -100         SHIELD           SR         -[Writh 2.01 Lurbo gazoline engine]         61         R         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         - <td></td> <td></td> <td></td> <td>F=0</td> <td></td> <td>ļ</td> <td></td> <td></td> <td></td> <td></td>				F=0		ļ				
GR         · [With 2.01 turbo gasoline engine]         59         W         ·         I         100         100           SB         · [With X30 engine]         61         R         ·         ·         I         100         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I <td>GR         - (Wrth Vra30 cregine)         59         W         -         -         100         100           SB         - (Wrth Vra30 cregine)         61         R         -         -         -         100         100           BR         - (Wrth 201 crupo gasoline engine)         64         Y         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -</td> <td>GR         - (With VR30 engine)         59         W         -         -         100           SR         - (With VR30 engine)         61         R         -         -         -         100           BR         - (With 201 unto gasoline engine)         64         Y         -         -         -         -</td> <td></td> <td>14</td> <td>8</td> <td></td> <td>58</td> <td>B/W</td> <td><ul> <li>[Color of wire differs depending on production]</li> </ul></td> <td>66</td> <td>h</td> <td><ul> <li>[With VK30 engine]</li> </ul></td>	GR         - (Wrth Vra30 cregine)         59         W         -         -         100         100           SB         - (Wrth Vra30 cregine)         61         R         -         -         -         100         100           BR         - (Wrth 201 crupo gasoline engine)         64         Y         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -	GR         - (With VR30 engine)         59         W         -         -         100           SR         - (With VR30 engine)         61         R         -         -         -         100           BR         - (With 201 unto gasoline engine)         64         Y         -         -         -         -		14	8		58	B/W	<ul> <li>[Color of wire differs depending on production]</li> </ul>	66	h	<ul> <li>[With VK30 engine]</li> </ul>
SB         TURN Segment engine]         S         Horizon Segment engine]         S         Horizon Segment engine]         S         Horizon Segment engine]         S         Horizon Segment engine]         Horizon Segment enginSegmentenginSegment engine]         Horizon Segment eng	5B	SB         Turns construction engined         S2         Mith Mass generation         S3         S4         S		ŕ	Ë	- fwith 2.01 turbo sasoline engine]	65	3		100	SHIFLD	
3D     - [With 2:0L turbo gasoline engine]     01       BR     - [With 2:0L turbo gasoline engine]     64	ab - [With 2.0L turbo gasoline engine] 64	35         - Iwn move regire         01           BR         - Iwn by sooline engine]         64		ţ	Ĵ	- [With VP30 andina]	14	•				
BR - [With 2.0L turbo gasoline engine] 64	BR - [With 2.0L turbo gasoline engine] 64	BR - [With 2.0L turbo gasoline engine] 64		r,	26	<ul> <li>WITH VKSU engine)</li> </ul>	19	¥				
				16	BB	- [With 2 0I turbo sasoline engine]	64	>				

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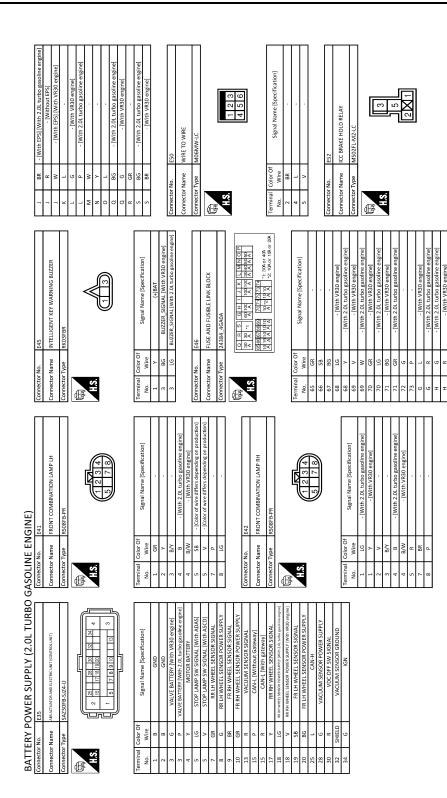
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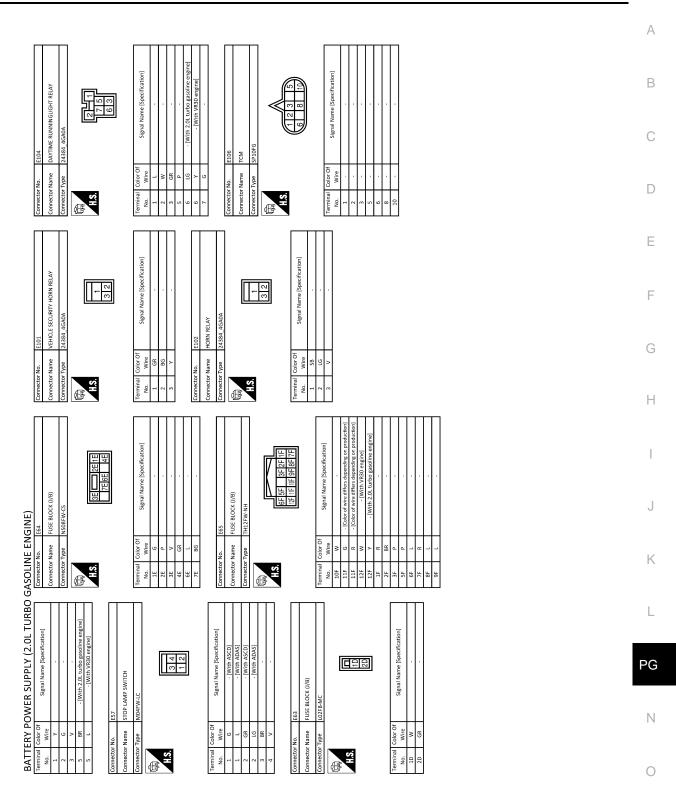
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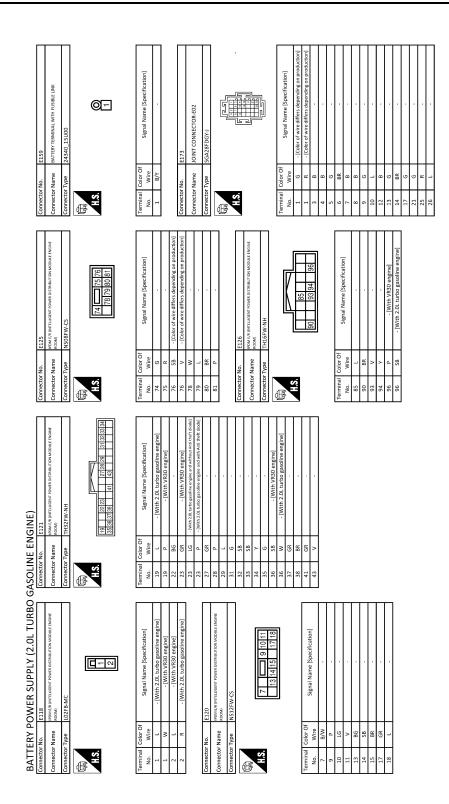


JRMWJ4854GB



**POWER SUPPLY ROUTING CIRCUIT** 

JRMWJ4855GB



JRMWJ4856GB

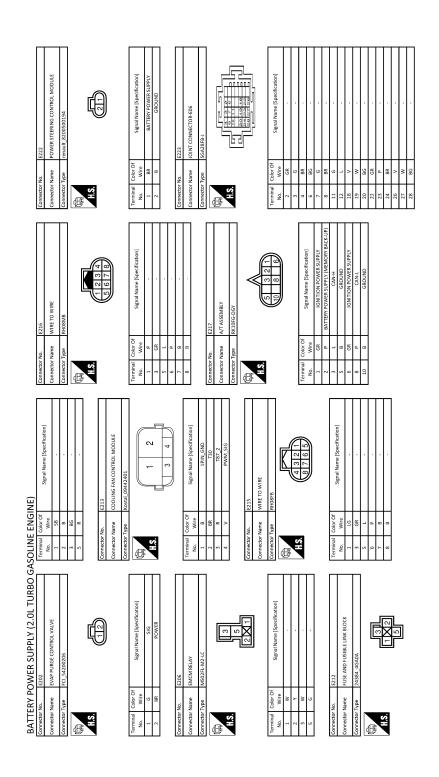
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ame [Specification] Lutho gasoline engine] thr /r/SRME LWK Thr /r/SRME	E
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Terminal         Terminal           No.         0           S         0           Connector         0           101         101           103         103           101         101           1116         1116	Н
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OWER SUPPLY (2.01 TU MITERY FEMIMIA, WITH FUSHIL LIMK INTERVIEW Signal Name [Specification] Signal Name [Specification] Signal Name [Specification] Signal Name [Specification] Signal Name [Specification]	PG
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Revision: November 2016



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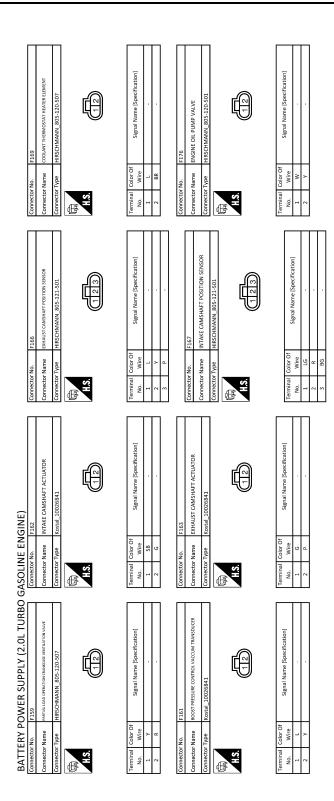
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GINE) E223 MMM RELAY MMM RELAY Signal Nam Signal Nam Signa	J
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OWER SUPPLY (2.0L T)       E234       E224       E155 AND FUSIBLE LINK HOLDER-1       23380_JATTA       Signal Name [Specification]       Signal Name [Specification]       Signal Name [Specification]	PG
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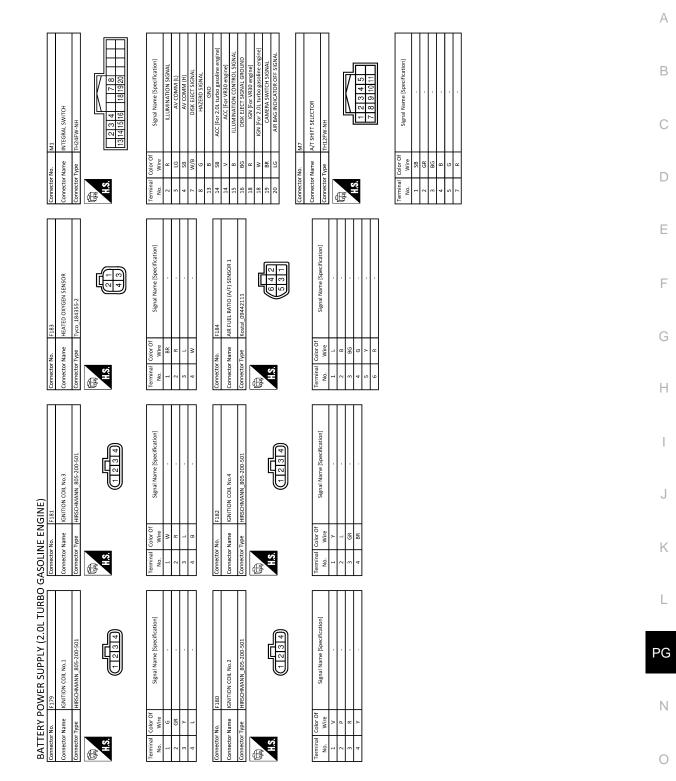
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# POWER SUPPLY ROUTING CIRCUIT

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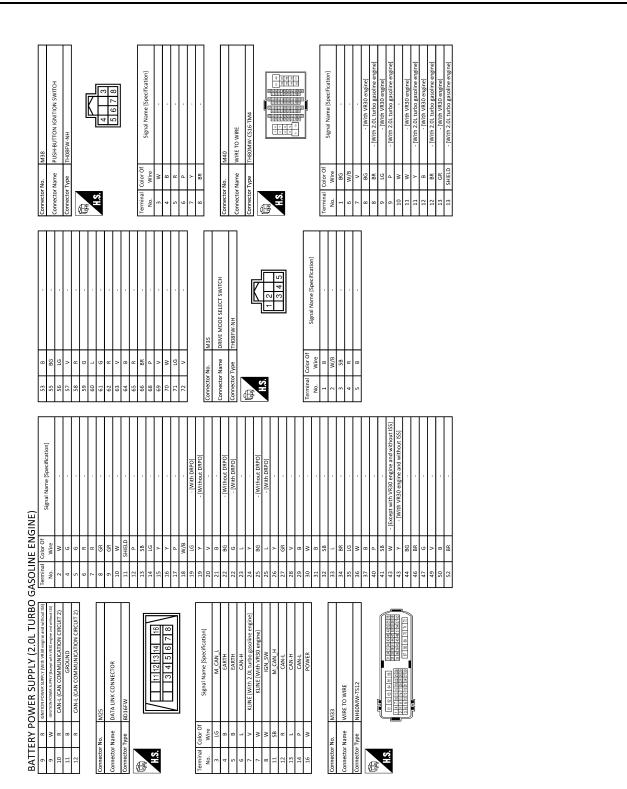


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		,										- [With 2.0L turbo gasoline engine]			,				- [With 2.0L turbo gasoline engine]	- [With VR30 engine]			,	<ul> <li>- [With VB30 engine and with BOSE system]</li> </ul>	ŀ			M24	E CAN GATEWAY	TH12FW-NH				1 3 4 5 6	÷				Of Simal Name [Specification]	-	CAN-H (CAN COMMUNICATION CIRCUIT 1)		CAN-H (CAN COMMUNICATION CIRCUIT 2)		CAN-H (CAN COMMUNICATION CIRCUIT 2)
64 Y	66 R	20 16	$\vdash$	72 B	73 W	+	_	_		-	_	79 W	+		┝	85 W	86 B	88 6	V 68	89 W		+	02 ×	-				Connector No.	Connector Name	Connector Type			Ĕ	2				- P	Terminal Color Of	No. Wire	1	3 W	4 L	5 8	۲ 9
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								4							- [With 2.0L turbo gasoline engine]	- [With VR30 engine]	- [With 2.0L turbo gasoline engine]	- [With VR30 engine]																						•					
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M17		IE BCM (BODY CONIROL MODULE)	FEA09FW-FHA6-SA			hot	ol loi pei bei bei bei bei bei	143 142 141 140 139 138				Of Signal Name [Specification]	INT BOOM I AMD DWB SPLV	PASS DOOR UNLK OUTPUT	BAT (FUSE)	RR, RL DOOR LK OUTPUT	RR, RL DOOR UNLK OUTPUT	GND	FRONT DOOR, FL LID LK OUTPUT	INT ROOM LAMP CONT	FRONT DOOR, FL LID UNLK OUTPUT	REAR DOORS ACT PWR SPLY [With VR30 engine]	REAK DUURS ALLI PWKSPLY (WITH ZULTURDO BASOINE ENBINE) D ATT /E /I \	IGN ON	PWR SPLY (BAT)	FRONT DOORS, FL LID ACT PWR SPLY	GND		M19	WIDT TO WIDT	WIRE IO WIRE	TH80MW-CS16-TM4		1							Df Signal Name [Snecification]		-		SB -
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rector No.		nector Na	rector T			ř	2				- H	ninal Color Ut	╉	+	31 Y	32 V	33 BR		35 V	36 V	37 LG	_	× ×	+	╞	42 R	43 B		tector No.		Inclusion Name	nector Type			v	2					<u> </u>	lo. Wire	_	~	-
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- [With VR30 engine] Connector No.	- [With 2.0L turbo gasoline engine]		- Connector Ty		(F)			BCM (BODY CONTROL MODULE)	~	TH40FG-NH	- H			+			╞		135	136	137	+	+	140	141	142	143	ONE TOUCH UNLK SENS (DR)	T		DETENT SW DETENT SW			JSE SW			TR LID OP CANCEL SW	HAZARD SW	P/N POSITION			-	1	2	-
	gine]			ч	B		Connector No. M13	Connector Name BCM (BODY CONTROL MODULE)		Connector Type TH40FG-NH	- H			8 17 16 15 14 13 12 11 10 5 4 3 1 1 8 3 36 38 30 27 26 25 1 21 13 13			╞	134	135	136	137	OPTICAL SENSOR 138	138	COMBLSW OUTPUT 5 139 139 140	COMBI SW OUTPUT 3 141	142	COMBI SW OUTPUT 1 143	_	T					EXTENDED STORAGE FUSE SW	STOP LAMP SW		V TR LID OP CANCEL SW		BR P/N POSITION			-	1	2	_

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**POWER SUPPLY ROUTING CIRCUIT** 

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30 B GND(POWER SYSTEM)		Connector No. M45	Connector Name GLOVE BOX LAMP	Т	1	4			12	]		Terminal Color Of	No. Wire Signal Name (Specification)	1 R -	2 B -		ſ	Connector No. M46	Connector Name HEATED SEAT RELAY		Connector Type MS02FL-M2-LC	Ð		H.S.		2X1			lerminal Color Of Signal Name (Specification)	NO. WIE	1 B     1 INITH VR30 engine and without ISS1     2 R     1 INITH VR30 engine	ļ	, , ,	5 16 -									
		M42	AWD CONTROL UNIT	TH16FW-NH				123 78	Q 10 11 13 15 16	2			Signal Name (Specification)	AWD SOL (+)	AWD SOL (-)	FLUID TEMP (-)	IGN	CAN-H	AWD SOL BAT	GND	GND	FLUID TEMP (+)	BALLERY PUWER SUPPLY	CAN-L [Without Gateway]	CHINE [WITH GREWAY]		M44	AUTOMATIC DRIVE POSITIONER CONTROL UNIT				•	25 26	27 28 29 30				Signal Name [Specification]		BAT	BACKWARD	POWER_SUPLLY(SENSOR_for_16V)	
SHIELD		Connector No. M	Connector Name A		1		e	5				nal Color Of	Wire	BR	Y	W/B	σ	_	_	+	+	-	+	- a	-		Connector No. M	Connector Name AL	Т				ń				- H	0	1	+	-	> 8	+
100		Conne	Conne	Conne		E	K	21				Terminal	No.	1	2	m	2	∞	σ	9	F	13	9	91 1			Conne	Conne	į		Æ	1	Ч.				l	Terminal	o z	52	97	27	07
GINE)		-	- [Color of wire differs depending on production]	<ul> <li>Color of wire differs depending on production]</li> </ul>				- [With VR30 engine]	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	- [With 2.0L turbo gasoline engine]	- [with VR30 engine]	- [With 2.0L turbo gasoline engine]	- [With VR30 engine]	- [With 2.0L turbo gasoline engine]	- [With VR30 engine]	- [With 2.0L turbo gasoline engine and without gateway]	- [With 2.0L turbo gasoline engine and with gateway]			- [With VR30 engine]	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>				- [Mith 3 OI turks recolling and na]	- [With Zide table galoune engine] - [With VR30 engine]		-			- [With VK30 engine] - [With 2.0] turbo easoline engine]	0		-	- [With VR30 engine]	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	- [With VR30 engine]	<ul> <li>[With 2.0L turbo gasoline engine and without gateway]</li> </ul>	<ul> <li>With 2.0L turbo gasoline engine and with gateway]</li> </ul>			- [With VR30 engine]	[aution and and investigation] -
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BATTERY POWER SUPPLY (2.0L TURBO	<ul> <li>[With 2.0L turbo gasoline engine]</li> <li>- [With VR30 engine]</li> </ul>	- [With VR30 engine]	- [With 2.0L turbo gasoline engine]	- [With VR30 engine]	- [With 2.0L turbo gasoline engine]			- [With 2.0L turbo gasoline engine]	<ul> <li>[With VR30 engine]</li> </ul>	- [With VR30 engine]	- [ערונוז ב.טב נערטט צמצטוווופ פווצווופ] -			- [With VR30 engine]	- [With 2.0L turbo gasoline engine]	- [With VR30 engine]	- [With 2.0L turbo gasoline engine and without gateway]	- [With 2.0L turbo gasoline engine and with gateway]	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	- [With VR30 engine]				- [With Z.UL turbo gasoline engine] - [With VR30 engine]	- [WIGH VISO ENGINE] - [Mith VIB30 engine]	- [With 2.0L turbo gasoline engine]	- [With 2.0L turbo gasoline engine]	- [With VR30 engine]	- Const Lint	- [with VKSU engine]	- [With 2.0L turbo gasoline engine] - [With 2.0L turbo gasoline engine]	- [With VR30 engine]				<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	- [With VR30 engine]	- [With 2.0L turbo gasoline engine]	- [With VK3U engine]	- [With VR30 engine]	- [With 2.0L turbo gasoline engine]	- [With VR30 engine] - [With 2 0] turbo asoline engine]	- [שונוו ביטר נתוחס צמצטוווב בווצוווב]
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**POWER SUPPLY ROUTING CIRCUIT** 

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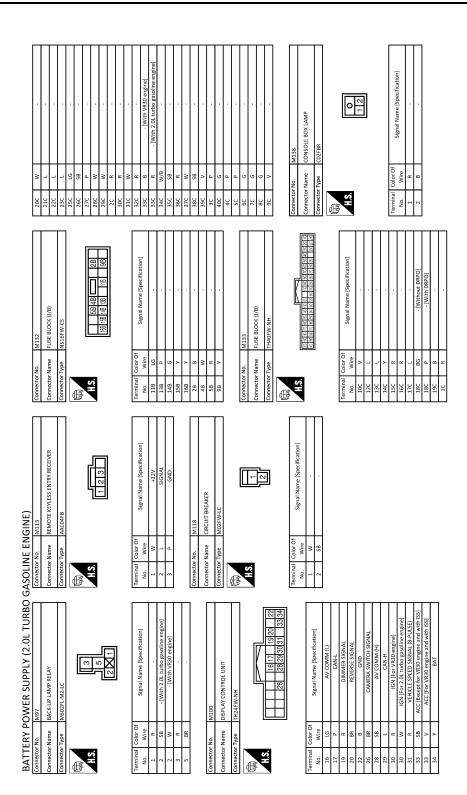
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SHIELD       SHIELD <td< td=""><td>F</td></td<>	F
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### **POWER SUPPLY ROUTING CIRCUIT**

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**POWER SUPPLY ROUTING CIRCUIT** 

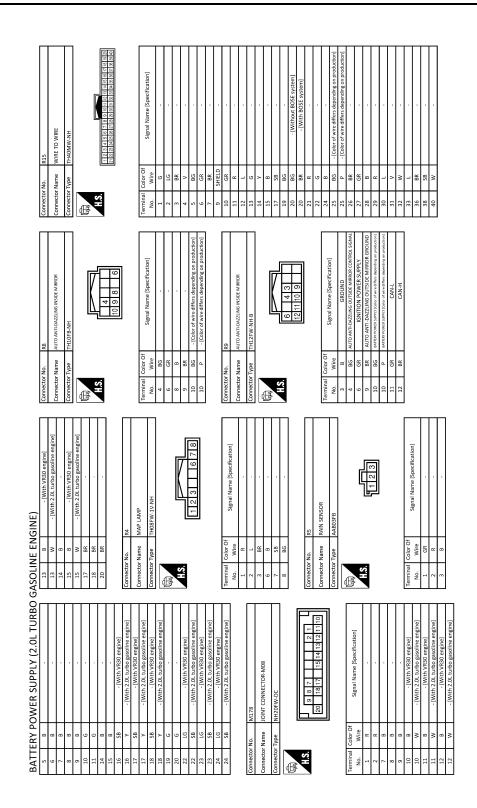
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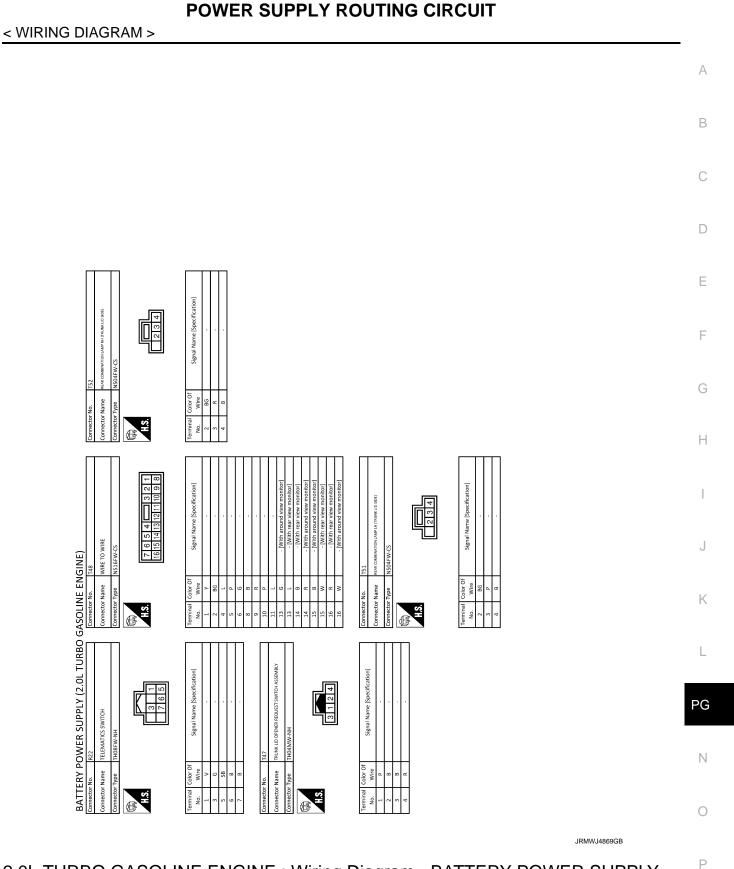
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ecification] ecification and with ISS with BOSE system with BOSE system	E
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Connector No.         M15           Connector Name         Will           No.         Connector Name         Mi15           No.         Connector Name         Mi16           No.         Connector Name         Mi15           No.         Connector Name         Mi18           No.         Conne         No.         Mi18 <td>G</td>	G
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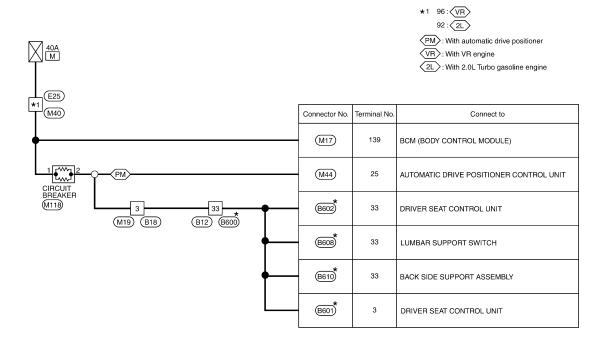
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#### FUSIBLE LINK No. M -

INFOID:000000013358778

#### BATTERY POWER SUPPLY FUSIBLE LINK No. M



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

2015/11/27

JRMWJ1828GB

# FUSE No. 4 -

# BATTERY POWER SUPPLY FUSE No. 4 (2.0L TURBO GASOLINE ENGINE)

(LR): With rain sensor

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5A FUSE BLOCK (J/B) (M133).(E65)			
JOINT CONNECTOR-M08 10 (M178)	Connector No.	Terminal No.	Connect to
13 10 15 (M159) (R15)	R5	1	RAIN SENSOR
	M25	16	DATA LINK CONNECTOR
	(E45)	1	INTELLIGENT KEY WARNING BUZZER
	L	1	1

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2015/11/27

JRMWJ1830GB

# 2.0L TURBO GASOLINE ENGINE : Wiring Diagram - BATTERY POWER SUPPLY

Revision: November 2016

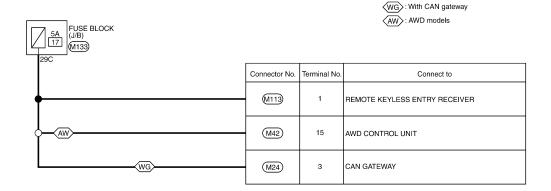
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2016 Q50

FUSE No. 17 -

INFOID:000000013358783

BATTERY POWER SUPPLY FUSE No. 17



2015/11/27

JRMWJ1834GB

FUSE	No.	19 -
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BATTERY POWER SUPPLY FUSE No. 19

FUSE BLOCK (J/B)

(M133), E65

10A 19

15C 2F

2L

IC: With ICC

VR : With VR engine

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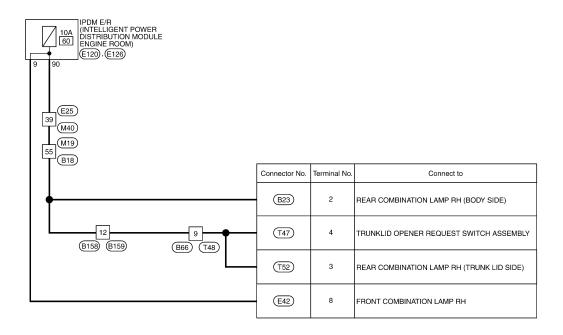
2.0L TURBO GASOLINE ENGINE : Wiring Diagram - BATTERY POWER SUPPLY

JOINT CONNECTOR -E02 VR E173 JOINT CONNECTOR -E06 26 10 Connector No. Terminal No. Connect to **∕**vr (E223) (E52) 5 ICC BRAKE HOLD RELAY 2L IC (VR (E57) 1 2L STOP LAMP SWITCH IC. VR> (E57) 3 STOP LAMP SWITCH M13) 25 BCM (BODY CONTROL MODULE)

FUSE No. 60 -

INFOID:000000013358788

#### BATTERY POWER SUPPLY FUSE No. 60 (2.0L TURBO GASOLINE ENGINE)



2015/11/27

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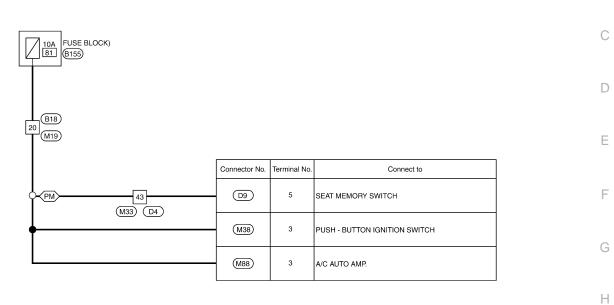
# FUSE No. 81 -

#### BATTERY POWER SUPPLY FUSE No. 81 (2.0L TURBO GASOLINE ENGINE)

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PM: With automatic drive positioner



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# 2.0L TURBO GASOLINE ENGINE : Wiring Diagram - BATTERY POWER SUPPLY

Revision: November 2016

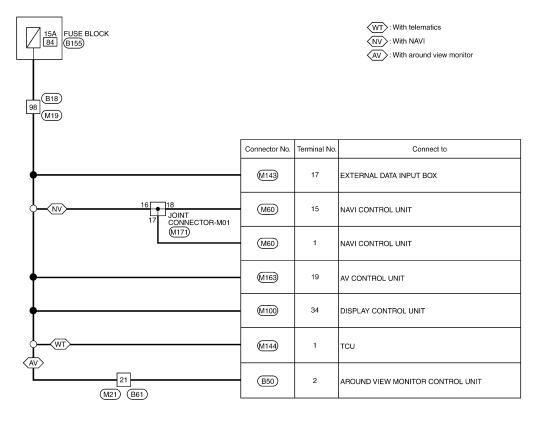
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2016 Q50

### FUSE No. 84 -

#### INFOID:000000013358826

### BATTERY POWER SUPPLY FUSE No. 84 (2.0L TURBO GASOLINE ENGINE)



2015/11/27

JRMWJ1842GB

# FUSE No. 89 -

# BATTERY POWER SUPPLY FUSE No. 89 (2.0L TURBO GASOLINE ENGINE)

FUSE BLOCK B155			PM: With automatic drive positioner	I
14 [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [14] [1				(
	Connector No.	Terminal No.	Connect to	
•	<u>M80</u>	6	TRIPLE SWITCH	
•	M35	4	DRIVE MODE SELECT SWITCH	
PM 58 (M33) (D4)	D9	8	SEAT MEMORY SWITCH	
[19] (M159) (R15)	R4	8	MAP LAMP	
	M7	7	A/T SHIFT SELECTOR	(
•	- <u>(M86</u> )	23	COMBINATION SWITCH (SPIRAL CABLE)	
•	M1	2	INTEGRAL SWITCH	
{	M59	1	METER CONTROL SWITCH	
(M159) (R15) (R6) (R14)	R22	5	TELEMATICS SWITCH	
			1	

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2015/11/27

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FUSE No. 98 -

INFOID:000000013358828

BATTERY POWER SUPPLY FUSIBLE LINK No. 98 (2.0L TURBO GASOLINE ENGINE)

	USE AND FUSIBLE NK HOLDER - 1 2224)			
E201)				
T <sup>(F151)</sup>		Connector No.	Terminal No.	Connect to
	5 (E195) (M146)	M97)	1	BACK-UP LAMP RELAY
•		F156	1	FULL - LOAD OPERATION VENT LINE HEATER ELEMENT
•		F169	1	COOLANT THERMOSTAT HEATER ELEMENT
•		(F152)	1	COOLANT PUMP SWITCHOVER VALVE
<b>•</b>		F176	2	ENGINE OIL PUMP VALVE
•		(F157)	2	DIVERT AIR SWITCHOVER VALVE
<b>•</b>		(F159)	1	PARTIAL LOAD OPERATION CRANKCASE VENTILATION VALVE
<b>—</b>		(F161)	1	BOOST PRESSURE CONTROL VACUUM TRANSDUCER
<b>•</b>		F183	1	HEATED OXYGEN SENSOR
•		(F184)	4	AIR FUEL RATIO (A/F) SENSOR 1
		(E213)	3	COOLING FAN CONTROL MODULE
		E202	2	EVAP PURGE CONTROL VALVE
+		(F167)	1	INTAKE CAMSHAFT POSITION SENSOR
		F166	1	EXHAUST CAMSHAFT POSITION SENSOR
Ē	8         6         1           25         M40         M22         B62         B68         B83	B131)	1	EVAP CANISTER VENT CONTROL VALVE

2015/11/27

JRMWJ1844GB

# FUSE No. 99 -

BATTERY POWER SUPPLY FUSE No. 99 (2.0L TURBO GASOLINE ENGINE)

E20A FUSE AND FUSIBLE LINK HOLDER-1 (E224)				
5 F151	Connector No.	Terminal No.	Connect to	
•	(F182)	1	IGNITION COIL (No.4)	
•	(F181)	1	IGNITION COIL (No.3)	
<b>•</b>	(F180)	1	IGNITION COIL (No.2)	
	(F179)	1	IGNITION COIL (No.1)	

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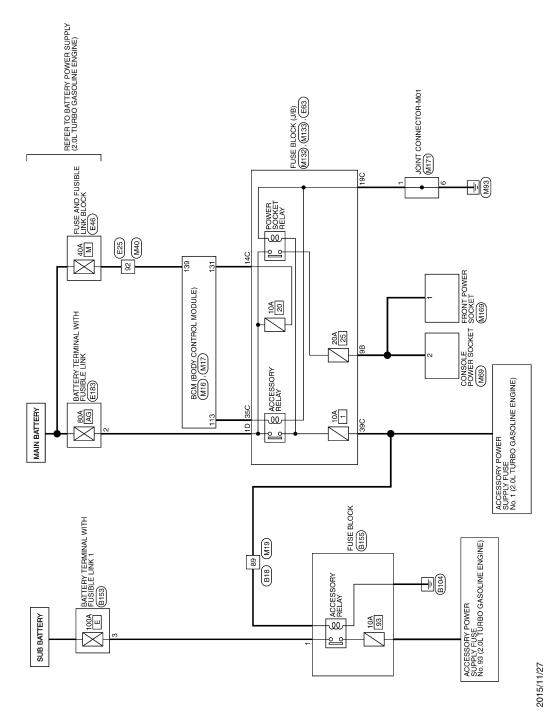
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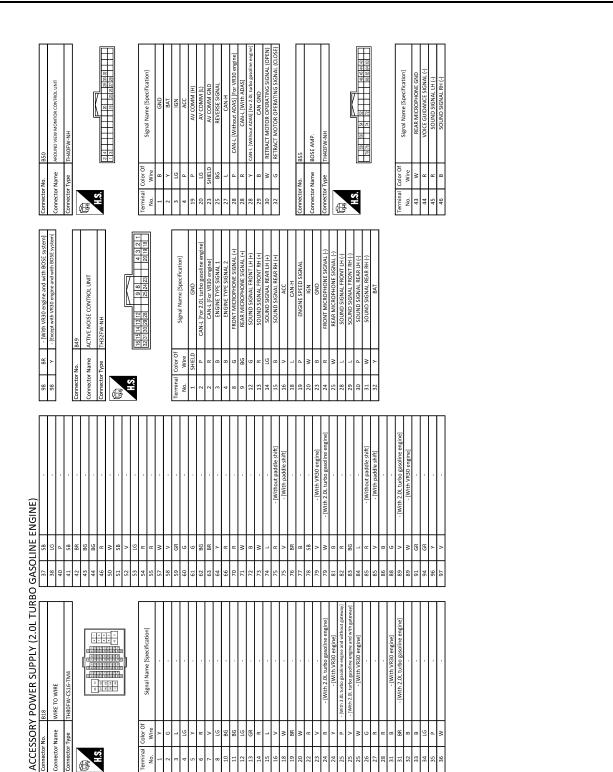
# 2.0L TURBO GASOLINE ENGINE : Wiring Diagram - ACCESSORY POWER SUPPLY

Revision: November 2016



JRMWJ1851GB

ACCESSORY POWER SUPPLY (2.0L TURBO GASOLINE ENGINE)



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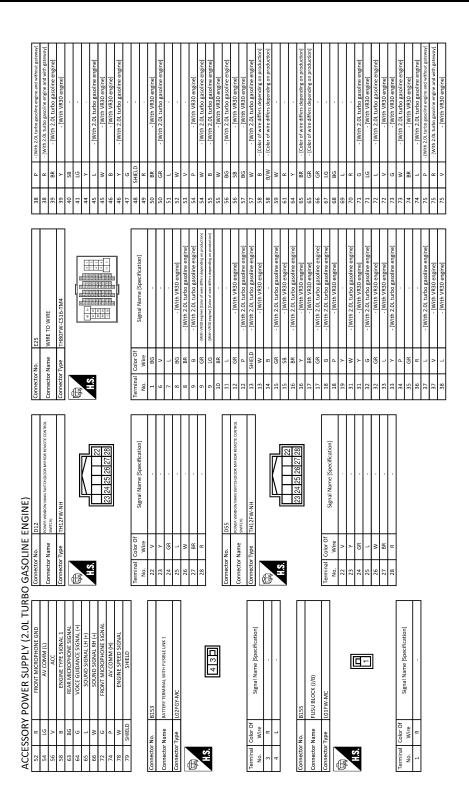
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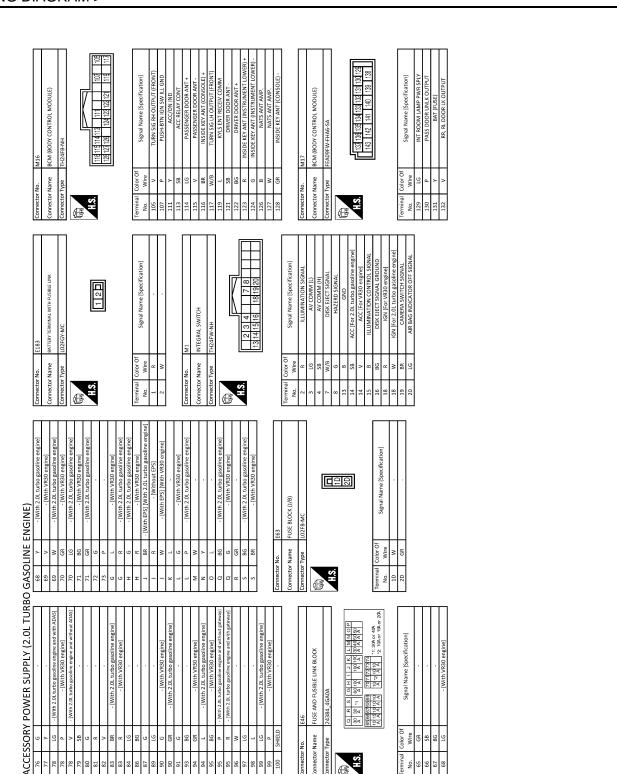
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#### **POWER SUPPLY ROUTING CIRCUIT** < WIRING DIAGRAM >



POWER SUPPLY ROUTING CIRCUIT

JRMWJ4879GB



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Connector No.

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POWER SUPPLY ROUTING CIRCUIT

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POWER SUPPLY ROUTING CIRCUIT

32 G - [With 2.0L turbo gasoline engine]	>		33 Y - [With 2.0L turbo gasoline engine]	34 P -	35 BG -	U	8	L - [With	38 L - (With VR30 engine)	38 P - [With 2.0L turbo gasoline engine and without gateway]	38 R - [With 2.0L turbo gasoline engine and with gateway]	я	+	40 GR		+	>	46 G - [With VR30 engine]	46 Y - [With 2.0L turbo gasoline engine]	47 BG - [With 2.0L turbo gasoline engine]	47 R - [With VR30 engine]	48 SHIELD -	в	49 G - [With 2.0L turbo gasoline engine]	B - [With	50 BR - [With VR30 engine]	+	+	53 G		B - [With	Ч	BG	GR - [With	GR		58 B -	+	61 W/B -	_	æ	٩	66 V - [Color of wire differs depending on production]	16	68 BG -	69 L -
		- [With 2.0L turbo gasoline engine]	- [With VR30 engine]				•	- [With VR30 engine and with BOSE system]	- [Except with VR30 engine and with BOSE system]			M40	WIRE TO WIRE	1000 000 000 000 000 000 000 000 000 00	1180/NIVC316-11/04				16 21 23 48 50 10 10 10 10 10 10 10 10 10 10 10 10 10				Signal Name (Snerification)	Signal Name (Specification)				- [With VR30 engine]	- [With 2.0L turbo gasoline engine] - [Mith VD20 engine]	- [With 2.0L turbo gasoline engine]		- [With VR30 engine]	- [With 2.0L turbo gasoline engine]	- [With VR30 engine]	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	<ul> <li>[With VR30 engine]</li> </ul>	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>		<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	- [With VR30 engine]	<ul> <li>[With VR30 engine]</li> </ul>	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>		- [With VR30 engine]	- [With 2.0L turbo gasoline engine]	
86 B		╞	89 W	91 GR	94 GR	96 W		+	98 Y			Connector No.	Connector Name			£	Ţ	'n					Terminal Color Of	No. Wire	1 86	6 W/B	>	+	N N N	╞	10 W	11 W	11 Y	-	-	13 GR	13 SHIELD	+	_	+	+	16 BR	17 LG	Η	^	19 Y
L TURBO GASOLINE ENGINE)	- [With VR30 engine]	-					-						1																										-		- [With VR30 engine]	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>				
	N	: 0	œ	ж	BR	в	8	>	٩	×	SB	Pl	<u>م</u>	; و	X Q	5 8	BG	>	~	>	٦C	ч	Я	w	>	BG	σ	9	S <sup>8</sup> a	>	œ	P1	N	8	>		>	BR	8	SB	٩.	N	в	æ	ß	
30 GASC	25	26	27	28	31	32	33	34	35	36	37	38	40	41	47	44	46	50	51	52	53	54	55	57	58	59	60	61	62	64	99	70	71	72	73	74	75	76	77	78	62	79	81	82	83	84
ACCESSORY POWER SUPPLY (2.0L TURB 133 BR RE, RL DOOR UNLK OUTPUT	GND	FRONT DOOR, FL LID LK OUTPUT	INT ROOM LAMP CONT	FRONT DOOR, FL LID UNLK OUTPUT	REAR DOORS ACT PWR SPLY [With VR30 engine]	REAR DOORS ACT PWR SPLY [With 2.0L turbo gasoline engine]	BAT (F/L)	IGN ON	PWR SPLY (BAT)	FRONT DOORS, FL LID ACT PWR SPLY	GND			M19	WIRE TO WIRE	THR0MW-CS16-TM4			1 4 000 000 000 000 000 000 000 000 000		4 9 10 10 10 10 10 10 10 10 10 10 10 10 10				Signal Name (Snecification)					,		,														<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>
ESSOR	-	>	>	FG	Ч				я	ж	8			CONNECTOR NO.	Connector Name	Connector Type									al Color Of	Wire	>	9	% a	>	æ	N	>	BG	BR	P	GR	æ	-	>	≥	BR	W	SB	æ	æ
Öl	134	135	136	137	138	138	139	140	141	142	143			nect	nect	nect		E		2					Terminal	No.		~	- -	. l	9	~	∞	9	11	12	13	14	15	16	18	19	20	22	53	24

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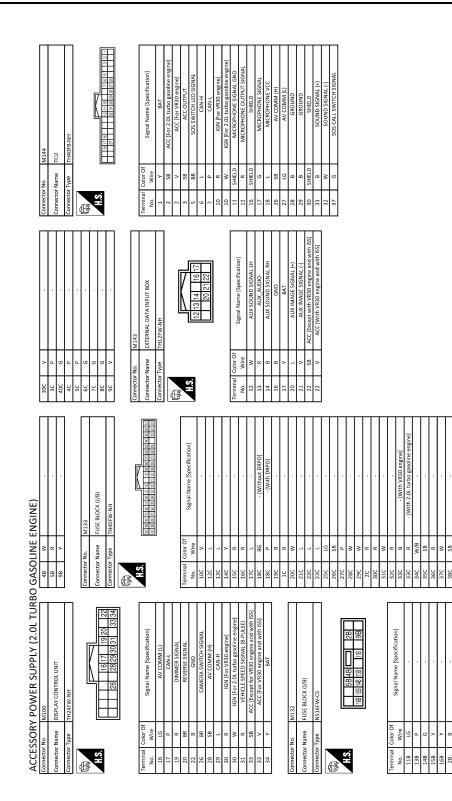
MAS AC AUTO ANP. HADDW-H HADDW-H HADDW-H HADDW-H HADDW-H HADDW-H Signal Name (specification) Signal Name (specification) Signal Name (specification) Signal Name (specification) CAH COMPR SUPPLY DIATERY POWER SUPPLY CAE ONCE SENSOR SIGNAL SUNCADO SENSOR SIGNAL CAH CARA CARA CARA CARA CARA CARA CARA	A B C
Connector Nu.         MBB           Connector Name         A/C, AUTO ANR.           Name         Name           Name         A/C, AUTO ANR.           Name         A/C, AUTO ANR.           Name         A/C, CONCERT           Name         B/C, A/CONCERT           Name	D
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NITROL UNIT NITROL UNIT Signal Name (Speci NITER VIR30 engine NITER VIR30 engine	F
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ENGINE MS7 MS7 MS7 COMINATION METRA MS7 COMINATION METRA COMINATION METRA COMINATION METRA COMINATION METRA COMINATION METRA COMINATION METRA COMINATION METRA COMINATION METRA Signal Name [Specification] Signal Name [Specification]	I
ENGINE) Me57 CoMBINATION METER TH40FW-NH TH40F	J
	K
PPLY (2.0L TURB) PPLY (2.0L TURB) PPLY (2.0L TURB) PPLY (2.0L TURB) PPLY (2.0L TURB) PPL PPL PPL PPL PPL PPL PPL PPL PPL PPL	L
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ABC         Signal Name [Specification]         Nuth. 201 turbo gasoline engline]         UNIH. 201 turbo gasoline engline]         Nuth. 201 turbo gasoline engline]         Nuth. 2.01 turbo gasoline engline]         Nuth. 2.01 turbo gasoline engline]	I
ENGINE M171 M171 M171 M171 13132, 4GAAA 23132, 4GAAA 23132, 4GAAA 23132, 4GAAA 23132, 4GAAA 23132, 4GAAA 23132, 4GAAA 23132, 4GAAA 	J
	К
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POWER SUPPLY (2.0L Miss AL CONTROL UNIT MISS AL CONTROL UNIT MISS AL CONTROL UNIT MISS AL CONTROL UNIT MISS AL CONTROL UNIT MISS AL CONTROL AND Signal Name [Specification] Signal Name [Specification]	PG
ACCESSORY POVER Connector Name M 153 Connector Name M 153 Terminal Color of Signa 3 R 2 SOUN 3 R 2 SOUN	Ν
ACCESSOF connector Name Connector Name Connector Name Connector Name <u>Connector Name</u> <u>2 2 4610</u> <u>2 2 4 6100</u> <u>2 2 4610</u> <u>2 2 7 7 8610 <u>2 2 7 8610</u> <u>2 2 7 8610 <u>2 2 7 8610</u> <u>2 2 7 8610 <u>2 2 7 8610</u> <u>2 2 7 8610</u> <u>2 2 7 8610 <u>2 2 7 8610</u> <u>2 2 7 8610</u> <u>2 2 7 8610 <u>2 2 7 8610</u> <u>2 2 7 8610</u> <u>2 2 7 8610 <u>2 2 8610</u> <u>2 2 86100</u> <u>2 2 861000000000000000000000000000000000000</u></u></u></u></u></u></u>	0

**POWER SUPPLY ROUTING CIRCUIT** 

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# 2.0L TURBO GASOLINE ENGINE : Wiring Diagram - ACCESSORY POWER SUPPLY

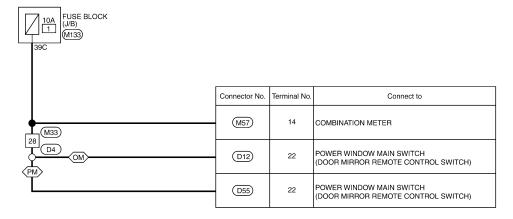
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# FUSE No. 1 -

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#### ACCESSORY POWER SUPPLY FUSE No. 1 (2.0L TURBO GASOLINE ENGINE)

OM : Without automatic drive positioner



2015/11/27

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FUSE No. 93 -

# ACCESSORY POWER SUPPLY FUSE No. 93 (2.0L TURBO GASOLINE ENGINE)

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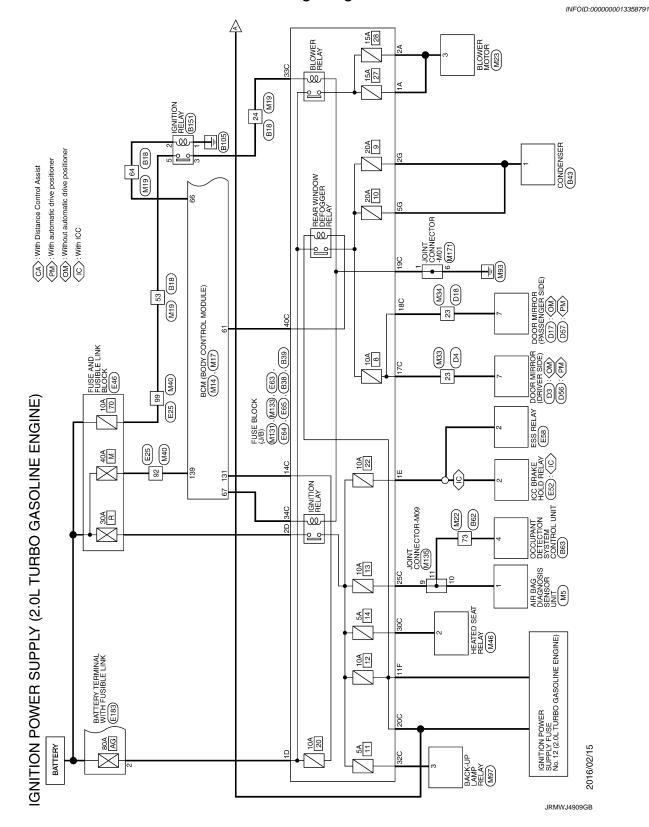
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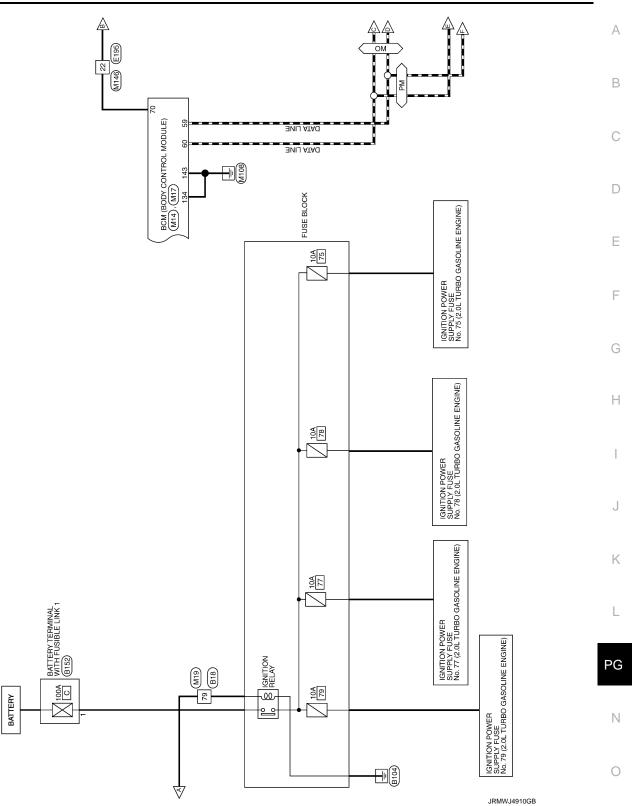
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2.0L TURBO GASOLINE ENGINE : Wiring Diagram - IGNITION POWER SUPPLY -

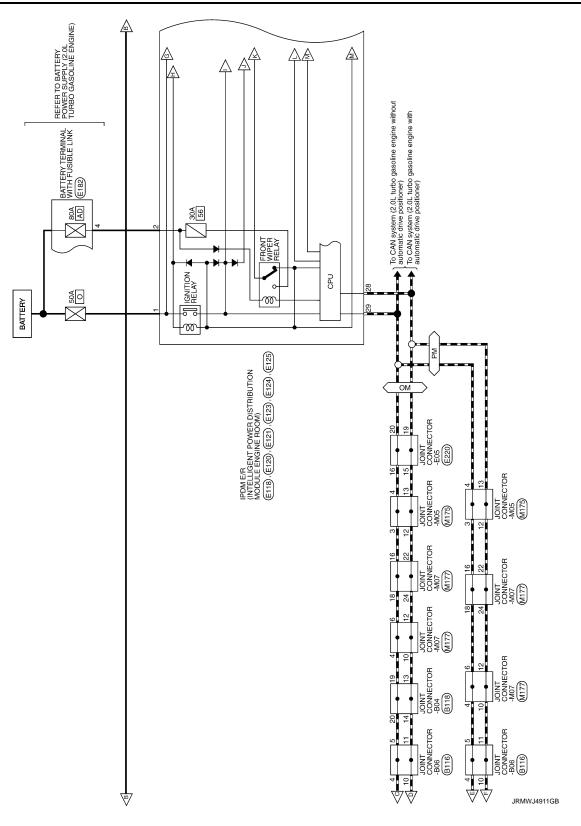


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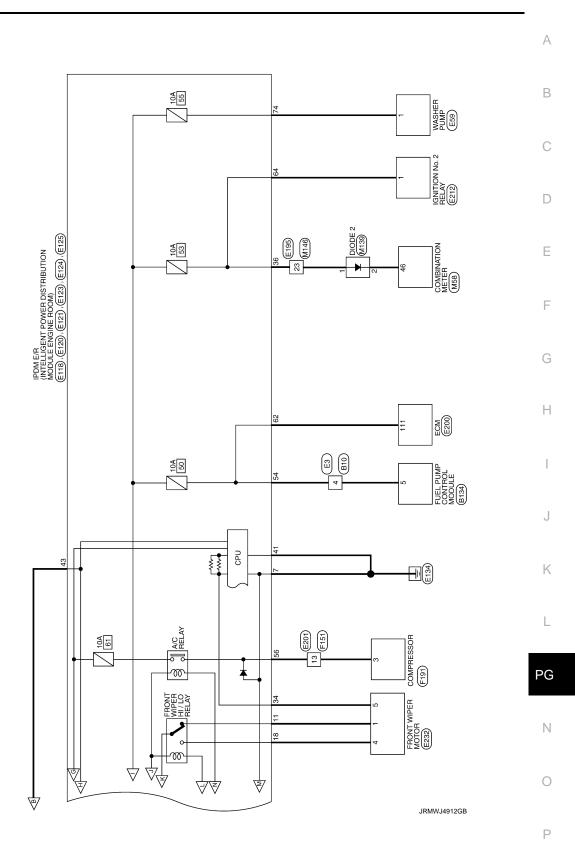


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IGNITIO	IGNITION POWER SUPPLY (2.0L TURBO	URBO GASOLINE ENGINE	INE EP	(GINE)							
Connector No.	81	و	>		13	ß	,	72	8		
Connector Name	De ADAS CONTROLLINIT	7	Ъ		14	ж		73	Μ		
		°0	Я		15	L		74	-		
Connector Type	e TH24FW-NH	6	>		16	>		75	я	<ul> <li>[Without paddle shift]</li> </ul>	
4		10	8		18	M		75	>	- [With paddle shift]	
E		11	υ	-	19	BR		76	BR	-	
e L		12	ж	-	20	M		77	8		
<u>6</u> .	12 98765 21	13	GR		22	R		78	SB		
	23 17	14	BG		23	>	•	79	>	- [With VR30 engine]	
		15	BR		24	R	- [With 2.0L turbo gasoline engine]	79	M	- [With 2.0L turbo gasoline engine]	
		16	ΓC	-	24	Y	- [With VR30 engine]	81	8		
		17	>		25	٩	- [With 2.0L turbo gasoline engine and without gateway]	82	Я		
Terminal Colo	Color Of Simal Name (Snecification)	18	BR	-	25	V	- [With 2.0L turbo gasoline engine and with gateway]	83	BG		
No. W	Wire Decincation	19	ΓC	- [With 2.0L turbo gasoline engine]	25	M	- [With VR30 engine]	84	٦		
1	L CAN-H	19	٨	- [With VR30 engine]	26	9		85	R	- [Without paddle shift]	
2	R CAN-L	20	٨		27	Я		85	^	- [With paddle shift]	
5	B GROUND	21	¥	- [With 2.0L turbo gasoline engine]	28	ч		86	8		
9	L ITS COMM-H	21	>	- [With VR30 engine]	31	8	- [With VR30 engine]	88	9		
7	Y ITS COMM-L	22	_		31	BR	- [With 2.0L turbo gasoline engine]	89	>	- [With 2.0L turbo gasoline engine]	
∞	L CHASSIS COMM-H	23	>	-	32	m	,	89	N	- [With VR30 engine]	
6	R CHASSIS COMM-L	24		- [With VR30 engine]	33	-		91	GR		
12 0	G IGNITION [Except with VR30 engine and without ISS]	24	æ	- [With 2.0L turbo gasoline engine]	34	9		94	GR		
12 G	GR IGNITION [VR30 engine and without ISS]				35	٩.		96	Y		
$\vdash$	BRAKE HOLD RLY DRIVE SIGNA				36	>		67	>		
23	Y STEERING SW SIGNAL GROUND	Connector No.	or No.	818	37	SB		98	BR	- [With VR30 engine and with BOSE system]	
24 S	SB STEERING SW SIGNAL	Connect	Connector Name	WIDE TO MIDE	88	9		98	~	- [Except with VR30 engine and with BOSE system]	
		CONTRACT	allipN IO	WINE IO WINE	40	۵.					
		Connect	Connector Type	TH80FW-CS16-TM4	41	SB					
Connector No.	810	ļ			42	BR		Connector No.	· No.	838	
Connector Name	ne WIRE TO WIRE	ß		ľ	43	BG		Connector Name	- Name	FUSE BLOCK (J/B)	
				61 20 20 20 20 20 20 20 20 20 20 20 20 20	44	ß					
Connector Type	e TH24FW-NH				46	æ		Connector Type	- Type	NS10FW-CS	
ą					50	>		ą			
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e la					52	>		S IV			
<u>6</u> .11	1211110987654321				53	97 F		5.1		36 2616	
	21 20 10 18 17 16	Terminal	I Color Of	Cincel Name (Consideration)	54	×				66 50	
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		1	>		57	×					
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Terminal Color Of		"	-		65	æ		Terminal	Color Of		
No.	Wire Signal Name [Specification]	4	9		99	0		No.	Wire	Signal Name [Specification]	
1	LG - [With 2.0L turbo gasoline engine]	ŝ	>		61	G		16	GR		
-	- [With VR30 engine]	9	~		69	BG		26	×		
~		-	>		59	æ		36	H		
+		.α			89	; >		50	N		
╀	D . [Mith VR30 enrine]	, <u></u>	2 2		5 9			99	: 8		
+	- fwith	3 5	3 5	,	02		,	3	5		
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JRMWJ4913GB

						e	BR	- [With 2.0L turbo gasoline engine]
	Connector Type TH3: Terminal Color of Mice of	VE NOISE CONTROL UNIT	Connector Na		4D VIEW MONITOR CONTROL UNIT	~ ~	яð	<ul> <li>[With VR30 engine and with BOSE system]</li> <li>[With VR30 engine and without BOSE system]</li> </ul>
	Terminal         Control         Contro         Control <thcontrol< th=""> <th< td=""><td>2FW-NH</td><td>Connector Typ</td><td></td><td>FW-NH</td><td>4</td><td>SHIELD</td><td>- [With VR30 engine]</td></th<></thcontrol<>	2FW-NH	Connector Typ		FW-NH	4	SHIELD	- [With VR30 engine]
	Temperature         Control         Contro         Control         Control		1			4	Y	- [With 2.0L turbo gasoline engine]
	Terminal		HHHT.			ν'n	> >	- [With VK3U engine] - [With 2.0L turbo gasoline engine]
	Terminal         Control         Terminal         Control         Contro         Control         Control         <	141317 98 143	NH S	2 4	7	9	BG	- [With VR30 engine]
Immuni olor of	Terminal Nice         Color of Nice           1         Strict	30 29 28 25 24 23 20 19		5	23 25	9	BR	- [With 2.0L turbo gasoline engine]
Termini (ni)       Wire       Signal Name [specification]         1	Terminal No.         Color of No.           No.         1           No.         1           Sec.         2           No.         2           No.         3           No.         1           Sec.         8           13         16           14         16           13         16           14         1           15         1           16         1           17         16           18         1           19         1           23         9           24         8           23         14           23         14           23         14           23         14					2	8	- [With 2.0L turbo gasoline engine and with BOSE system
Terminal Color Of Nume       Terminal Nume       Color Of Nume       Specification         1       0       Wire Nume       Color Of Nume       Specification         2       8       Color Of Nume       Specification       1       Specification         3       8       Color Of Nume       Specification       1       Specification         3       8       Fourth Free Storkal.       1       Specification       1       Specification         13       16       Nume       Specification       1       Specification       1       Specification         13       16       Specification       1       Specification       1       Specification         13       16       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V <td< td=""><td>Terminal         Color of 1         Terminal         Color of 1         Terminal         Termina</td><td></td><td></td><td></td><td></td><td>~ ~</td><td>BR</td><td><ul> <li>[With VR30 engine and without BOSE system]</li> <li>- IWith VP30 engine and with BOSE system]</li> </ul></td></td<>	Terminal         Color of 1         Terminal         Color of 1         Terminal         Termina					~ ~	BR	<ul> <li>[With VR30 engine and without BOSE system]</li> <li>- IWith VP30 engine and with BOSE system]</li> </ul>
No.       With       >egrin mer permittanti         1       9 filto       CMA (Fer 201 untro genome region)       0.       with $\frac{1}{2}$	No. Wire No. Wire 1 1 13 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	(		lor Of		. ~	: <b>&gt;</b>	- [With 2.0L turbo gasoline engine and without BOSE System
1         5HitL         000         1         5HitL         000         1         6HitL         000         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1		oignai Name (specification)	-	Vire	Signal Name (Specification)	8	B	- [With VR30 engine and with BOSE system]
2         P         CANL [For VLDDE gestilitie engine]           2         P         CANL [For VLDDE gestilitie engine]           3         B         Endome Trye S(GNAL)           3         B         Endome Trye S(GNAL)           3         B         Endome Trye S(GNAL)           13         B         CANL [For VDD engoting           13         B         COMM (H)           14         Lip         COMM (H)           15         B         COMM (H)           16         V         COMM (H)           17         Lip         COMM (H)           18         Lip         COMM (H)           19         P         COMM (H)           20         SOUD SIGNAL FROM FRES (GNAL)           23         B         CONL (INTROPORTICE) CONTANT (INTROPORTIC	2 2 2 2 3 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4	GND	1	8	GND	8	9	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>
2         R         Convirtient view           2         R         Convirtient view           3         G         Four tient view           1         B         Four tient view           2         R         Four tient view           2         B         Fou	2 2 4 2 3 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2 4 7 2	CAN-L [For 2.0L turbo gasoline engine]	2	~	BAT	∞	>	<ul> <li>[With VR30 engine and without BOSE system</li> </ul>
3         B         Exolutin Free Slow1.1         4         C         9         Sector MicroProduce Slow1.1           3         B         Exolutin Free Slow1.1         20         Inter Anticompose Slow1.1         20         Inter Anticompose Slow1.1         20         Slow Slow1.1         20         Sl		CAN-L [For VR30 engine]	e	LG	IGN	6	LG	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>
4         B         Exclust TRFE SIGNAL SCAL         10         V         COMM (H)         11         12         V           1         6         FEXA MICOPHONE SIGNAL (A)         23         SHELD         X/COMM (H)         11         12         V           1         6         SOUND SIGNAL FRONT HI (+)         23         SHELD         X/COMM (H)         13         Y           1         1         1         0         X/COMM (H)         X/COMM (H)         13         Y           1         1         0         X/COMM (H)	+++++++++++++++++++++++++++++++++++++++	ENGINE TYPE SIGNAL 1	4	٩	ACC	б	SHIELD	- [With VR30 engine]
9         6         FROM MICROPHONE SIGNAL (r)         23         61 LL         A COMM (J)         11         68           13         R         SOUND SIGNAL FROMT H(r)         23         9 LL         A COMM (J)         11         68           13         R         SOUND SIGNAL FROMT H(r)         23         9 LL         A COMM (J)         12         7         12         7           14         LG         SOUND SIGNAL FROMT H(r)         23         FL         A COMM (SIO)         13         7         13         7         13         7         13         7         13         7         13         7         13         7         13         7         13         7         13         7         13         14         13         13         14         13         14         13         14         13         14         13         14         13         14         13         14         13         14         14         14         14         14         14         14         14         14         14         14         14         14         14         14         14         14         14         14         14         14         14         14	+++++++++++++++++++++++++++++++++++++++	ENGINE TYPE SIGNAL 2	19	P	AV COMM (H)	10	>	
9         66         Riam MicroPointone Stobult (+)         23         SHELD         AV COMIN SIGNAL         123         Y           13         R         50000 SiGNAL FRANT (+)         23         SHELD         AV COMIN SIGNAL         13         R           13         R         50000 SiGNAL FRANT (+)         23         SHELD         AV COMIN SIGNAL         13         R           14         LG         NUND SIGNAL FRANT (+)         23         Y         CANL (MITH ADAS)         13         R           15         L         NUND SIGNAL FLANT (+)         23         Y         CANL (MITH ADAS)         13         R           23         K         REAM MICROPHONE SIGNAL (-)         30         W         CANL (DATH ADAS)         13         K           23         K         REAM MICROPHONE SIGNAL (-)         30         W         CANL (DATH ADAS)         13         K         14         12         K           23         K         REAM MICROPHONE SIGNAL (-)         30         K         13         K         13         K         14         14         14         14         14         14         14         14         14         14         14         14         14         14		FRONT MICROPHONE SIGNAL (+)		LG	AV COMM (L)	11	GR	
12         6         SOUND SIGNAL FRONT HIL(1)         25         16         REVERSE GLAM.           14         16         0         SOUND SIGNAL FRONT HIL(1)         28         P         CAM.           15         1         0         SOUND SIGNAL FRONT HIL(1)         28         P         CAM.           16         1         0         NOLME SIGNAL FRONT HIL(1)         28         P         CAM.           16         1         0         NOLME SIGNAL FLOW HIL(1)         28         E         CAM.           13         1         P         NOLME SIGNAL FLOW HIL(1)         28         L         CAM.           23         W         NOLME SIGNAL FLOW HIL(1)         28         L         CAM.         19         12         14           23         W         REAM MICROPHONE SIGNAL FLOW HIL(1)         28         K.         L         23         W         23         L         23         Y	12 13 14 16 19 19 19 19 23 23 23 23 23 23 23 23 23 23 23 23 23	REAR MICROPHONE SIGNAL (+)		HELD	AV COMM GND	12	Y	
13         R         SOUND SIGNAL FRANTRH(+)         27         L         CAN-L (Mrh. ADA)         124         BG           15         6         20000 SIGNAL FRANTRH(+)         28         V         CAN-L (Mrh. ADA)         15         14         BG           16         V         ACC         28         V         CAN-L (Mrh. ADA)         15         V         15         64           13         V         ACC         28         V         CAN-L (Mrh. ADA)         15         V         V         15         64         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V	13 13 15 15 19 19 19 19 24 24 24 24 24 24 25 26 26 26 26 26 26 26 27 26 26 26 26 26 26 26 26 26 26 26 26 26	SOUND SIGNAL FRONT LH (+)		BG	REVERSE SIGNAL	13	R	-
13         16         SOUND SIGNAL REAR H1 (-)         28         P         CAN1, (INITH LAGAS)[Gr2V V830 engline]         15         16         1           16         V         COND SIGNAL REAR H1 (-)         CONT         CONT         CONT         15         15         16         V           18         L         CONT         CONT         CONT         CONT         16         V         16         17         16         17         16         17         16         17         16         17         16         17         16         17         16         17         16         17         16         17         16         17         16         17         16         17         16         17         16         17         16         17         16         16         16         16         16         16         16         16         16         16         16         16         16	14 16 18 18 18 23 23 23 23 23 23 23 23 23 23 23 23 23	SOUND SIGNAL FRONT RH (+)	27	L	CAN-H	14	BG	-
15         B         COUND SIGNUL REAR RH (-)         28         R         CANL, IUMI, ADAS)         15         68         1           18         L         CANL         CANL         CANL         CANL         15         CR         15         CR           19         P         ENGINE SEED SIGNAL         20         W         RETRACT NOTORE DERTING SIGNAL (CDEN)         17         P         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V         V	15 19 19 24 24 24 23 28 28	SOUND SIGNAL REAR LH (+)	28		N-L [Without ADAS] [For VR30 engine]	15	Bg	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>
16         V         ACC           18         V         MCC           19         P         Excluting settions of the settions	16 19 19 24 24 23 24 24 23 24 24 23 24 24 23 24 24 23 24 24 23 24 23 24 24 23 24 24 24 24 25 25 26 26 26 26 26 26 26 26 26 26 26 26 26	SOUND SIGNAL REAR RH (+)	28		CAN-L [With ADAS]	15	GR	- [With VR30 engine]
18         1         CMNH         29         8         CMNL (DRM         17         P           20         W         PENOIR SERSIONL         32         B         TERACT MOTO OPERATING SEGNAL (DSP)         13         V           23         W         REAM MICROPHONE SIGNAL (DSP)         TERACT MOTO OPERATING SEGNAL (DSP)         13         V         20         ER         14         V           23         W         REAM MICROPHONE SIGNAL (D         META MICROPHONE SIGNAL (DSP)         20         C         20         C         20         C         V         20         V         V         20         V         V         20         V         20         V         20         V         V         20         V         V         20         V         20         V         V         20         V         V         20         10         10         20	13 23 23 23 23 23 23 23 23 23 23 23 23 23	ACC	28	Y CAN-L	[Without ADAS] [For 2.0L turbo gasoline engine]	16	^	
19         P         FRIACT MOTOR OPERATING SIGNAL (OPEN)         18         L           23         B         REAR MICROPHORE SIGNAL (OPEN)         20         0         20         0           23         V         REAR MICROPHORE SIGNAL (OPEN)         0         0         20         0         20         0         0           23         V         REAR MICROPHORE SIGNAL (OPEN)         0         0         23         V         23         V <td< td=""><td>2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2</td><td>CAN-H</td><td>29</td><td></td><td>CAN GND</td><td>17</td><td>Ь</td><td>-</td></td<>	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	CAN-H	29		CAN GND	17	Ь	-
20         W         32         G         RTRACT MOTOR OPERATING SIGNAL (1)         19         R           23         B         FRONT MICROPHONE SIGNAL (1)         Compactor Name         WILL (1)         20         B         20         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C	20 23 28 28 28 28 28 28 28 28 28 28 28 28 28	ENGINE SPEED SIGNAL	30		AACT MOTOR OPERATING SIGNAL (OPEN)	18	L	
23         B         FRONT MICORON         Soluto Sisteration         Soluto Si	23 24 25 28	IGN	32		ACT MOTOR OPERATING SIGNAL (CLOSE)	19	я	т
24         R. FRM MIXCOPHORE SIGNAL (1)           28         L         500005 SIGNAL FRONT H(1)           28         L         500005 SIGNAL FRONT H(1)           29         L         500005 SIGNAL FRONT H(1)           21         W         500005 SIGNAL FRONT H(1)           20         P         500005 SIGNAL FRONT H(1)           21         W         500005 SIGNAL FRONT H(1)           23         W         23           31         W         500005 SIGNAL FRONT H(1)           200005 SIGNAL FRONT H(1)         Connector Yame         MREI TO MIRE           23         V         SIGNAL FRONT H(1)         23         W           24         V         SIGNAL FRONT H(1)         25         SIG         SIGNAL FRONT H(1)           200         SIGNAL FRONT H(1)         Connector Yame         THEID         23         W         23         SIG           200         SIGNAL FRONT H(1)         Connector Yame         THEID         23         SIG         23 <td>24 25 28</td> <td>GND</td> <td></td> <td></td> <td></td> <td>50</td> <td>GR</td> <td></td>	24 25 28	GND				50	GR	
25         W         REMA MICCOPTON.         Desc.           23         L         SOUND SIGNAL REART H; I;         Connector Name         WIR: 10 WIR:           23         V         SOUND SIGNAL REART H; I;         Connector Name         WIR: 10 WIR:           31         V         SOUND SIGNAL REART H; I;         Connector Name         WIR: 10 WIR:           32         V         SOUND SIGNAL REART H; I;         Connector Name         WIR: 10 WIR:           32         V         SOUND SIGNAL REART H; I;         Connector Name         WIR: 10 WIR:           32         V         SOUND SIGNAL REART H; I;         Exerctor Type         Exerctor Type           32         V         SOUND SIGNAL REART H; I;         Exerctor Type         Exerctor Type           32         V         SOUND SIGNAL REART H; I;         Exerctor Type         Exerctor Type           32         V         SOUND SIGNAL REART H; I;         Exerctor Type         Exerctor Type           32         V         SOUND SIGNAL REART H; I;         Exerctor Type         Exerctor Type           33         V         SOUND SIGNAL REART H; I;         Image: Sound Signal Type         Image: Sound Signal Type           33         V         Sound Signal Type         Image: Sound Signal Type	25	FRONT MICROPHONE SIGNAL (-)		ſ		21	~	
28         L         Sound Storut IreNT IH (-)         Connector Name         Wite TO Wite         23         W           30         P         SOUND SIGNAL REAT HI (-)         Connector Yape         THBOPVCS16-TMA         24         W           31         W         SOUND SIGNAL REAT HI (-)         Connector Yape         THBOPVCS16-TMA         23         W           32         V         BAT            23         V           32         V             23         V           33         W             23         Y            0         Wite             23         Y            0         Wite             23         Y            0         Wite             23         Y          23         Y          23         Y          23         Y          23         Y          24         Y         Y         Y         Y         Y		REAR MICROPHONE SIGNAL (-)	Connector No			22	>	
29         1         Soundo Stocks, Rear Hr ()           31         W         Soundo Stock, Rear Hr ()           32         Y         Soundo Stock, Rear Hr ()           33         W         Soundo Stock, Rear Hr ()           32         Y         Soundo Stock, Rear Hr ()           33         W         Soundo Stock, Rear Hr ()           Anticidation ()         Example         Example	-	SOUND SIGNAL FRONT LH (-)	Connector Na		TO WIRE	23	N	
30         P         SOUND SIGNAL REAR H1 (-)           31         W         SOUND SIGNAL REAR H1 (-)           32         V         SOUND SIGNAL REAR H1 (-)           32         V         SOUND SIGNAL REAR H1 (-)           March         Bal         Signal March           10         W         Signal March           11         Bal         Signal March           1         Bal         Signal March           1         Bal         Signal March           2         Signal March         Signal March           33         Signal March         Signal March           1         Bal         Signal March           2         Signal March         Signal March           33         Signal March           34         Signal March           2         Signal March           33         Signal March           34         Signal March           35         Signal March	23 L	SOUND SIGNAL FRONT RH (-)				24	BG	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>
31         W         SOUND SIGNAL REAR HL()           32         V         But         Text         25         L           32         V         Standard         Text         25         L           32         V         W         Standard         25         L           33         V         W         25         C         25         C           33         V         W         25         K         W         25         K         W           No.         Wree         Signal Name Specification)         23         L         23         L         20	_	SOUND SIGNAL REAR LH (-)	Connector Typ		FW-CS16-TM4	24	>	<ul> <li>[With VR30 engine]</li> </ul>
32         V         BAT         25         58           1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1 <td>_</td> <td>SOUND SIGNAL REAR RH (-)</td> <td>4</td> <td></td> <td></td> <td>25</td> <td>L</td> <td><ul> <li>[With 2.0L turbo gasoline engine]</li> </ul></td>	_	SOUND SIGNAL REAR RH (-)	4			25	L	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>
Terminal		BAT	E		40	25	SB	- [With VR30 engine]
Color Of Wire BR         State State State         State State State         State State State         State State State         State State         State State         State State         State State         State State         State State         State					5.2	26	σ	- [With VR30 engine]
Color Of Wrree         50         16           Mine         58mal Name (Specification)         20         16           Nine         58mal Name (Specification)         30         16           Nine         58mal Name (Specification)         32         11           Nine         - (Winh 2.04, tube pareline engine and without 81055 system)         33         16           V         - (Winh VH30 engine)         33         16         3           V         - (Winh VH30 engine)         33         16         3         16           V         - (Winh VH30 engine)         33         16         3         16         3         16         3         16         3         16         3         16         3         16         3         16         3         16         3         16         3         16         3         16         3         16         3         16         3         16         3         16         3         16         3         16         3         16         3         16         3         16         3         16         3         16         3         16         3         16         3         16         3         3 <t< td=""><td></td><td></td><td><u>с</u>н</td><td></td><td>2 3 4</td><td>26</td><td>N</td><td>- [With 2.0L turbo gasoline engine]</td></t<>			<u>с</u> н		2 3 4	26	N	- [With 2.0L turbo gasoline engine]
Color of Wire         Signal Name (Specification)         20         LG           Wire         Signal Name (Specification)         31         SHIELD           BR         -(Win 2.0, turbe passine equive and who E005 system)         33         LG           U         -(Win 2.0, turbe passine equive and who E005 system)         33         LG           M         -(Win 2.0, turbe passine equive and who E005 system)         33         LG           M         -(Win 2.0, turbe passine equive and who E005 system)         33         LG           M         -(Win 2.0, turbe passine equive and who E005 system)         33         LG           SHELL         -(Win 2.0, turbe passine equive and who E005 system)         35         LG					823	27	R	-
Color Of Wire         50         LG           Color Of Wire         5gnal Name (Specification)         30         LG           Mire         5fnal Name (Specification)         31         SHELD           Mire         5fnal Name (Specification)         33         LL           Mire         5fnal Name (Specification)         33         LL           Mire         10MIX PR30 engine         33         LG           V         -10MIX PR30 engine)         33         LG           V         -10MIX PR30 engine)         33         LG           SHELD         -10MIX PR30 engine)         35         LG					2 5 2	29	51	-
Color Of Wite         Signal Name (Specification)         31         51         54(E)           Wite         Signal Name (Specification)         32         54(E)         33         6         6           BR         - (Num) 2.0. Live paratime matching stock system)         33         6         33         6         5           W         - (With VB30 engine)         33         6         33         6         5           W         - (With VB30 engine)         33         16         33         16         3         16         5         16         5         16         33         16         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1						30	91 F0	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>
Color Of Wree         Signal Name (Specification)         31         SHELD           B         - Num 2.0. Lunds puoline engine and white 8105 System LG         32         L         33         L           LG         - (Wrth VR30 engine)         33         SHELD         33         L         1           V         - (Wrth VR30 engine)         33         SHELD         33         L         L           V         - (Nrth VR30 engine)         33         SHELD         33         L         L           L         - (Nrth VR30 engine)         33         SHELD         35         L         L           L         - (Nrth 2.0. Lunds genoline engine and NR505 system         34         SHELD         SHEL						30	Ь	- [With VR30 engine]
Write         Signal Manile Experimation)         322         L           BR         - NMn.1.0Multe guoline environement 5005 System)         33         LG           LG         NMn.1.0UMR N320 engine)         33         LG         33         LG           W         - NMn.1.0UMR N320 engine)         34         SHELD         34         SHELD         35         LG           F1         (WMn VR30 engine)         35         LG         35         LG			⊢	lor Of		31	SHIELD	
BR         - Num. J.Cu. undo. gaudine engines and without BOCK System()         33         B           LG         - Nuth. VAR3. engine)         33         LG         33         LG           W         - Nuth. 2.01. Lurbo gaudine engine and with BOCK system()         34         LG         33         LG         33         LG         34         LG         24         SHELD         34         SHELD         35         LG         35         SHELD         35         SHELD         35         W         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M				Vire	Signal Name [Specification]	32	_	
Mr         Immuneration         33         LG           LG         - (Wrh V320 engine         33         LG           W         - (Wrh 201 urbit spation engine         34         SHELD           L         - (Wrth V320 engine)         35         LG           SHELD         - (Wrth V320 engine)         35         LG			╀	ť	2.01 turbo resoline antine and without BOSF System!	22	a	- [M/ith \/D20 and na]
Use				+		3	, <u>,</u>	
W         Termin 2000         Sector         Sector<				t		ŝ		- האוחו ביתר ומותה משמוווב בוומוובן
L         - [With VR30 engine]         35         LG           SHIELD         - [With 2.0L turbo gasoline engine]         35         W			-	t	1.2.0L LUED gasoline engine and with bOSE system]	34	SHIELU	
SHIELD - [With 2.0L turbo gasoline engine] 35 W				-	<ul> <li>[With VR30 engine]</li> </ul>	35	٢c	<ul> <li>[With VR30 engine]</li> </ul>
				HELD	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	35	W	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>

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Revision: November 2016

#### 2016 Q50

∝ ≥ ∘	- [With VR30 engine] - [With 2.0L turbo gasoline engine and without 80SE system]	77 77	> -	- [With 2.0L turbo gasoline engine] Connector No.	B63 OCCUPANT DETECTION SYSTEM CONTROL UNIT	Connector No. Connector Name	B93 e SIDE RADAR RH
		6/			TH08FW-NH	Connector Type	AAC06FB-WP
- T	- [With 2.0L turbo gasoline engine and with BOSE system]	88	8 ≥	<ul> <li>- [With 2.0L turbo gasoline engine]</li> <li>Mith Viezo continol</li> </ul>		ą	
T	- [With VR30 engine and without BOSE system]	81	8 8	- [With VR30 engine]	Ľ		[
	- [With 2.0L turbo gasoline engine]	81	æ		4 2	<u>с</u> п	1 2 2 1 2 2
	- [With VR30 engine and with BOSE system]	82	9 CHELD	- [With 2.0L turbo gasoline engine]	7 5		
T		83	2	- [With			
<b>_</b>		83	3				
SHIELD		84	BR	- [With VR30 engine] Terminal	Of Signal Name (Specification)	nal C	r Of Signal Name [Specification]
T		84	SHIELD	- [With 2.0L turbo gasoline engine] No. V		No. Wire	
Т	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	85	8	- [With VR30 engine] 2	COMM	1 8	RIGHT/LEF'
5	- [With VR30 engine]	85	، <del>ت</del>	- [With 2.0L turbo gasoline engine] 4	IGN	+	GROUND
ЪГ		98	- ≥			n 4	
, g		87	: 9		N COLOR	- 5 - 5	
Г		87	SHIELD	- [With			BLIND SPOT WARNING/
<b>—</b>		68	P.		892		
GR	-	06	4	- [With 2.0L turbo gasoline engine]	SIDE BADAR I H		
	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	06	>	- [With VR30 engine]		Connector No.	8116
Т	- [With VR30 engine]	92		- [With 2.0L turbo gasoline engine] Connector Type	AAC06FB-WP-5P	Connector Name	e JOINT CONNECTOR-B06
T		92	> <	+		Connection Trees	
Т		66	SHIFLD	- [With VR30 engine]			
1		94	8			Æ	
		95	٦	- [With 2.0L turbo gasoline engine]	23456		6 5 4 3 2 1
-		95	>	- [With VR30 engine]		2	11 10 9 8
T		96	~ 3	- [With			18 17 16 15 14 13 24 23 22 21 20 19
Т		<u>я</u> !	3	- [with VK50 engine]			
	- [With VR30 engine] - [With 2.0L turbo gasoline engine]	97	- R	- [With VR30 engine]     Terminal Color Of     - [With 2.0L turbo gasoline engine and with BOSE system]     No. Wire	Signal Na		
-		97	>	- [With 2.0L turbo gasoline engine and without BOSE system] 2 B		1al C	r Of Signal Name [Snecification]
1		98	9	┥		No. Wire	
Т		66	BR	<ul> <li>[With VR30 engine and with BOSE system]</li> </ul>	-	1	
Т		66	• :	- [With 2.0L turbo gasoline engine] 5	IGNITION	5 2	
T		66	≻ @	+		 n <	
Т	[WILL 2.OL GUOD BROOMIC CIRCUS	100	5 3	- DAVI+h		r u	
Г	- [With VR30 engine]	ŝ				, 9	
Г	- [With 2.0L turbo gasoline engine]					7 R	
<u>г</u>	- [With 2.0L turbo gasoline engine]					8	- [With Gateway]
SHIELD	- [With VR30 engine]					8	
	- [With 2.0L turbo gasoline engine]					9 R	
	- [With VR30 engine]					> 6	- [Without Gateway]
	- [With 2.0L turbo gasoline engine]					10 R	
	- [With VR30 engine]					10 V	<ul> <li>- [With 2.0L turbo gasoline engine]</li> </ul>
1	- [With VR30 engine]						-

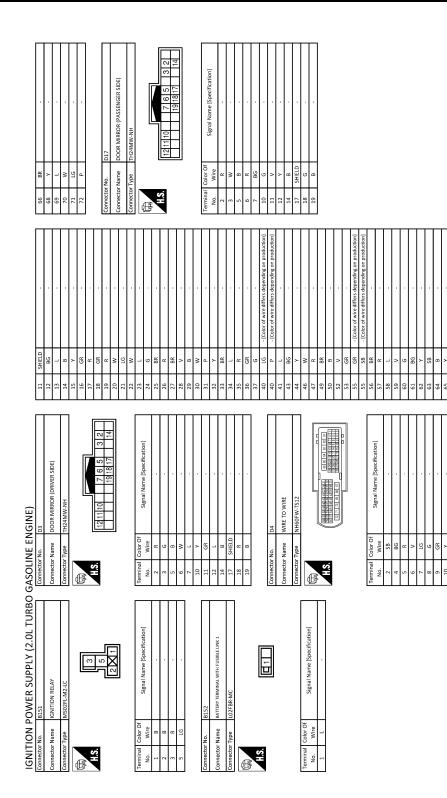
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8138       Alose Fue       Alose Fue       Alose Fue       Alose Fue       Signal Name       Signal Name	С
Connector No. Connector Name Connector Name	D
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Name [Spec]	F
	G
Terminal     Color (I       No.     Wire       No.     Wire       Second     Connector Name       Connector Name     Connector Name       Second     Second       No.     Wire       Second     Connector Name       Second     Second       Second     Connector Name       Second     Second       Second	Н
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ISINE I (With 2.01: turbo gasoline engine) I (With V330 engine and without paddle shift - (With V330 engine) - (With X30 engine) -	J
	K
2.0L TURB	L
OWER SUPPLY (2.0L TUF - (With Gatewar) - (With Gatewar) - (With Catewar) - (With VaDo gasoline ergine] - (With VABO ergine] -	PG
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IGNITION 12 IGNITION 12 IGNITION 12 IGNITION 13 IGNITION 13 IGNITION 13 IGNITION 14 IGNITION 15 IGNITION 15 IGNITION 15 IGNITION 16 IGNITION 17 IGNITION 18 IGNITION 18 IGNITION 18 IGNITION 18 IGNITION 19 IGNIT	0

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		A
5 6 7 8 9 101112 171813223324	Signal Name (Specification) - [With Yt30 engine] - [With Yt30 engine] - [With Xt32 Uturbo gasoline engine] - [With Xt32 Uturbo gasoline engine] 	В
E3 WIRE TO WIRE TH24AWV-ANH 13141516		С
Connector No. Connector Name Commettor Type	Terminal No.         Color of Mire           1         1         1           2         2         1           2         3         1         15           3         3         15         16           6         4         8         8           7         7         1         6           7         7         16         9           8         11         6         11         6           13         68         13         67         16           13         67         16         7         1           13         67         13         68         8           13         67         13         67         1           19         19         16         1         1           20         13         16         1         1           23         23         1         1         2         2           23         23         1         1         1         1         2           23         1         1         1         1         1         2         2         1         1	D
3 14 13 13		Е
057 DDOR MIRROR (PASENGER SIDE) TH24MW-NH [12]1110] 9 8 7 6 5 [12]110] 9 8 7 6 5 [24]23[22[21]11]18[17]	Signal Mame [Speecification]	F
No. Name Type	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	G
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GINE) 	H24AMW-XHH 1/211109 8 7 6 242322211 1918 17 	I
	Terr         First Minute           1         Ferminal           1         Ger           1         Ger           2         1           3         6           9         7           11         Gr           12         1           13         1           14         1           13         1           14         1           12         1           13         1           14         1           13         1           13         1           13         1           14         1           13         1           14         1           13         1           14         1           13         1           14         1           13         1           14         1           13         1           14         1           15         1           16         1           17         1           18         1           19         1     <	J
		L
WER SUPPLY (2.0L TUR Is to write the to write the to write the to write the total tot	Signal Name (Speechfaction)	PG
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IGNIT connector connector fils:	Terminal No. No. No. No. No. No. No. No. No. No.	0

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Connector No.	r No.	E21	23	9	ESS RELAY [With VR30 engine]	36	æ		74		- [With 2.0L turbo gasoline engine]
	W	TILE OF A REAL PROPERTY AND A REAL PROPERTY.	23	я	ESS RELAY [With 2.0L turbo gasoline engine]	37		- [With 2.0L turbo gasoline engine]	75	٩.	- [With 2.0L turbo gasoline engine and without gateway]
CONTECL	a Indine					37	>	- [With VR30 engine]	75	~	- [With 2.0L turbo gasoline engine and with gateway]
Connector Type	r Type	HS03FGY				38		- [With VR30 engine]	75	>	- [With VR30 engine]
(	_		Connector No.		E25	38	۹	- [With 2.0L turbo gasoline engine and without gateway]	76	U	
E			Connector Name		WIDE TO WIDE	38	æ	- [With 2.0L turbo gasoline engine and with gateway]	11	7	
		Ę	CONNECTOR			39	BR	- [With 2.0L turbo gasoline engine]	78	P	- [With 2.0L turbo gasoline engine and with ADAS]
2.1			Connector Type	Γ	TH80FW-CS16-TM4	39	>	- [With VR30 engine]	78	•	- [With VR30 engine]
				1		40	SB		78	>	<ul> <li>[With 2.0L turbo gasoline engine and without ADAS]</li> </ul>
		)	ſ		Ч	41	9		62	88	,
						44	>		80	σ	
			<i>2</i> .н			45	-	- [With 2.0L turbo gasoline engine]	81	œ	
Terminal	Color Of				33 03 03 04 04 04 04 04 04 04 04 04 04 04 04 04	45	>	- [With VR30 engine]	82	>	
No.	Wire	Signal Name (Specification)				46	-	- [With VR30 engine]	83	BR	- [With 2.0L turbo gasoline engine]
-	>	AIMER SIG			1	46	>	- [With 2.0L turbo gasoline engine]	8	œ	- [With VR30 engine]
2	8	AIMER_GND				47	σ		84	۲C	
m	5	AIMER_VCC [With VR30 engine]	Terminal	Color Of	Principal Princi	48	SHIELD		8	8	,
m	GR	AIMER_VCC [With 2.0L turbo gasoline engine]	No.	Wire	Signal Name (Specification)	49	æ		87	σ	
			-	BG		50	BR	- [With VR30 engine]	8	P	
			9	>		50	ß	- [With 2.0L turbo gasoline engine]	60	σ	- [With VR30 engine]
Connector No.	r No.	E22	7	-		51	-		06	GR	- [With 2.0L turbo gasoline engine]
		CURCES CONTROL MODIFIE	00	BG	- [With VR30 engine]	52	>	,	91	σ	,
Connectv	Connector Name	CHASSIS CON IKOL MODULE	00	BR	- [With 2.0L turbo gasoline engine]	53	>		93	BG	
Connector Type	r Type	TH24FW-NH	6		- [With 2.0L turbo gasoline engine]	54	•	- [With VR30 engine]	94	8	- [With VR30 engine]
(	_		6	GR	- [With VR30 engine] [Color of wire differs depending on production]	54	>	- [With 2.0L turbo gasoline engine]	94		- [With 2.0L turbo gasoline engine]
E			6	P	- [With VR30 engine] [Color of wire differs depending on production]	55	8	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	95	BG	- [With VR30 engine]
			10	BR		55	M	- [With VR30 engine]	95	d	- [With 2:0L turbo gasoline engine and without gateway]
21		345678 101112	11	_		56	BG	- [With 2.0L turbo gasoline engine]	95	R	- [With 2.0L turbo gasoline engine and with gateway]
		10	12	GR	- [With VR30 engine]	56	SB	- [With VR30 engine]	96	N	
			12	٩.	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	57	BG	- [With VR30 engine]	26	FG	
			13	SHIELD	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	57	×	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	98		
			13	M	- [With VR30 engine]	58	8	- [Color of wire differs depending on production]	66	91	- [With 2.0L turbo gasoline engine]
Terminal	Color Of	Simul Name [Consideration]	14	8		58	B/W	- [Color of wire differs depending on production]	66	Ч	- [With VR30 engine]
No.	Wire		15	GR	- [With 2.0L turbo gasoline engine]	59	W	-	100	SHIELD	
8	٩	CAN-L [Without Gateway]	15	SB	- [With VR30 engine]	61	Я				
m	œ	CAN-L [With Gateway]	16	BR	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	64	>				
4	-	CAN-H	16	>	- [With VR30 engine]	65	BR	- [Color of wire differs depending on production]			
5	>	DRIVE MODE SELECT SWITCH (UP) [With VR30 engine]	17	BR	- [With VR30 engine]	65	GR	- [Color of wire differs depending on production]			
S	~	DRIVE MODE SELECT SWITCH (UP) [With 2.0L turbo gasoline argine]	17	GR	- [With 2.0L turbo gasoline engine]	99	GR				
9	9	DRIVE MODE SELECT SW (DOWIN) [With 2.0L turbo gasoline engine]	18	6	- [With 2.0L turbo gasoline engine]	67	P1				
9	~	DRIVE MODE SELECT SW (DOWN)[With VR30 engine]	18	۵.	- [With VR30 engine]	68	BG				
7	×	CHASSIS COMM-L	19	>		69	_				
∞	M	CHASSIS COMM-L	31	M	- [With 2.0L turbo gasoline engine]	70	ж				
10	BG	IGN [With 2.0L turbo gasoline engine]	31	Y	- [With VR30 engine]	71	9	- [With 2.0L turbo gasoline engine]			
10	9	IGN [With VR30 engine]	32	9	- [With 2.0L turbo gasoline engine]	71	P1	- [With VR30 engine]			
11	-	CHASSIS COMM-H	32	GR	- [With VR30 engine]	72	_	- [With 2.0L turbo gasoline engine]			
12	8	GROUND [With VR30 engine]	33	_	- [With VR30 engine]	72	>	- [With VR30 engine]			
12	B/V	GROUND [With 2.0L turbo gasoline engine]	33	>	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	73	σ	<ul> <li>[With VR30 engine]</li> </ul>			
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	С
Connector Non- Connector Name Connector Type S Connector Type Connector Name Connector Name	D
Include engine) Include engine) Include Includ	E
- [With 2.01, turbo gasoline engine]     - [With VB30 engine]     - [With 2.01, turbo gasoline engine]     - [With VB30 engine]     - [W	F
	G
69         W           70         GR           71         BR           71         BR           71         BR           72         G           73         G           74         L           75         G           71         BR           73         G           74         Connector Nume           75         BR           76         Connector Num           77         Connector Num           78         GR           79         G           70         G           70         G           71         BR           78         GR           79         G           70         G           70         G           71         BR           73         G           74         G           75         BR           76         G           77         G           78         G           79         G           70         G           70         G           70<	Н
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OWER SUPPLY (2.00         Etal         Birr TLOCKELM         MSDR1-MR-LIC         MSDR1-MR-LIC         Signal Name [Specification         Signal Name [Specification         A ELS         MSDR1-MR-LIC         Signal Name [Specification         A ELS         MSDR1-MR-LIC         Signal Name [Specification         A ELS         MSDR1-MR-LIC         Signal Name [Specification	N
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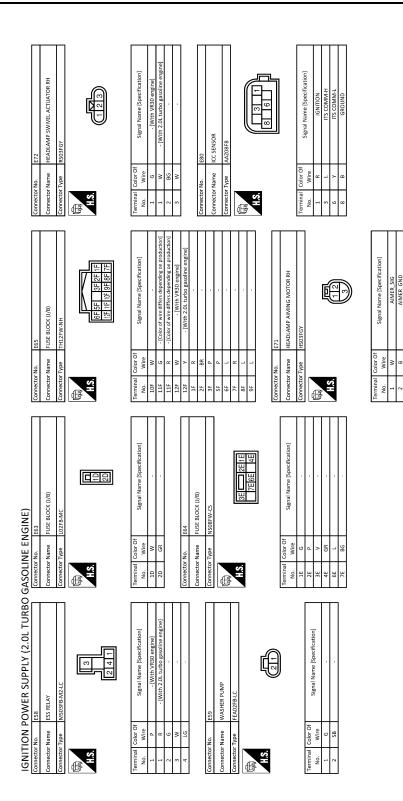
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Revision: November 2016

< WIRING DIAGRAM >

2016 Q50

VCC [With VR30



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	A
Signal Name [Specification] Signal Name [Specification] E12 Color of wire differ depending on production Color	B
Terminal     Color Of No.     Sterning       No.     Wire     Ste       9     0     Ste       9     1     Ste       10     1     Ste	D
	Е
	F
	G
33         58         34         53         53         53         53         53         53         53         54         53         54         54         56         56         56         56         56         56         56         56         56         56         56         55         55         55         55         55         55         55         56         56         7         7         70         70         70         70         70         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7 <th7< th="">         7</th7<>	Н
E120         RE10       Manual Gamma Control on Contreconterversion Contreconterversecontereconterv	I
E120       RE120       Nossi2PW-C3       Nossi2PW-C3       Nossi2PW-C3       Signal Name (S)	J
Former     End       Connector Name     I       Connector Name     I       Connector Name     I       Connector Name     I       I     I       I     I       I     I       I     I       I     I       I     I       I     I       I     I       I     I       I     I       I     I       I     I       I     I       I     I       I     I       I     I       I     I       I     I       I     I       I     I       I     I       I     I       I     I       I     I       I     I       I     I       I     I       I     I       I     I       I     I       I     I       I     I       I     I       I     I       I     I       I     I       I     I       I     I       I     I <tr< td=""><td>K</td></tr<>	K
	L
IGINITION POWER SUPPLY (2.0L TURBO Dimeter Nime Dimeter Nime Dimet	PG
ION         POWE           Pino.         Poworan coxi.           Pino.         Poworan coxi.           Virge         NH03FB           Pino.         Pino.           Pino.         F118           Pino.         Pino.           Pino.         F118           Pino.         F118           Pino.         F118	Ν
IGNITION P Connector Name Connector Type Connector Type Connector Name Connector Name Connector Name Connector Name Connector Name La Color of No. Connector Name Connector Name Connector Name	0

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# POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

	3	Connector No. E183	Connector No.	[E183	25	9	,	123	R	MAIN RELAY CONTROL SIGNAL
	Signal Name [Specification]				26	0		127	>	FUEL PUMP ON SIGNAL
	- [Color of wire differs depending on production]	ronner	connector Name	BATTERY TERMINAL WITH FUSIBLE LINK	8	>		132	G	ACCELERATOR PEDAL POSITION SENSOR 1
	- [Color of wire differs depending on production]	Connec	Connector Type	L02FGY-MC	31	GR		137	٦	CAN-H
		4			32	SB		138	٦	DRIVETRAIN CAN-H
	-	B			33	N		142	GR	BACK-UP LAMP SWITCH
					34	M		143	ΓC	REFRIGERANT PRESSURE SENSOR
	-	<u>6</u>	7	100	35	8		145	ſ	ACCELERATOR PEDAL POSITION SENSOR 2
					36	σ		146	-	FUEL TANK PRESSURE SENSOR
	,				37	SHIELD		148	-	STARTER RELAY-H
	,				38	~		150	۵.	CAN-L
					39			151	٩	DRIVETRAIN CAN-L
		Terminal	al Color Of		40	ß		152	•	EVAP CANISTER VENT CONTROL VALVE
		No.	Wire	Signal Name [Specification]	41	>		153	U	EVAP PURGE CONTROL VALVE
	,	-	œ		42	•	,			
		2	>		43	BR				
					44	•		Connector No.	r No.	E201
					45	SB	,		:	
		Connec	Connector No.	E195	46	>		Connector Name	r Name	WIRE TO WIRE
								Connector Type	r Type	Delphi 33104047
		1911ION	CONTRECTOR INALINE							
	E182	Connec	Connector Type	TK36FW-NS10	Connector No.	or No.	E200	E		]
	BATTERY TERMINAL WITH FUSIBLE LINK	ą			Connect	Connector Name	ECM	SH		
	103600 M4C	ALL A		[	Connact	Connector Tune	A NA 60 60 A 176		_	ο ν
		H.S.	<i>i</i>				07112-0120204			
					E					
	<b>G</b> 3 4				6 H		]8	Terminal No.	Terminal Color Of No. Wire	Signal Name [Specification]
		Terminal	al Color Of	f Signal Namo [Snorification]			111	1	9	
		No.	-					2	ж	
		ŝ	BR					ŝ	0	
Color Of	Signal Name [Specification]	00	æ		Terminal	<u> </u>	f Signal Name [Specification]	9		-
		5			öz	Wire			2	
		2	¥		16	。	POWER SUPPLY (MAIN)	×	>	
	- [With VR30 engine]	=			86	œ	ECM GROUND	6	8	
	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	12	۵.		66	0	POWER SUPPLY (MAIN)	13	-	
		13	g		100	8	ECM GROUND			
		14	7		101	9	POWER SUPPLY (MAIN)			
		15	υ		102	8	ECM GROUND			
		16	>		103	>	COOLING FAN CONTROL SIGNAL (PWM)			
		17	-		104	>	SENSOR POWER SUPPLY			
		18	~		105	~	SENSOR POWER SUPPLY			
		19	R		106	>	SENSOR GROUND			
		20	SHIELD		109	۵	ENGINE SPEED SIGNAL			
		21	BR		111	9	POWER SUPPLY			
		22	>		116	D LG	STARTER RELAY-L			
		f	ļ		ļ	1	CLAICOD CDOLLAD			

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Connector No.     F191       commettor Name     COMPRESSOR       commettor Name     COMPRESSOR       commettor Type     HIRSCHMANN 805-121-501	Terminal     Color Of Wire     Signal Name [Specification]       1     0     -       2     1     -       3     1     -       3     1     -       3     1     -       3     1     -       3     1     -       3     1     -       4     -     -       5     -     -       6     -     -       7     -     -       6     -     -       7     -     -       6     -     -       6     -     -       7     -     -	Ferninal         Color of No.         Signal Name [Specification]           No.         Write         ILLUMINATION SIGNAL           3         LG         ALCOMM [L]           4         Sig         ALCOMM [L]           2         No         Disk ELICS SIGNAL           3         LG         MACOMM [L]           4         Sig         ALCOMM [L]           3         Signal Name [Specification]           3         Signal Name [Specification]           4         Signal Name [Specification]           13         Signal Name [Specification]           14         V         INLERES SIGNAL           15         B         ILLUMINITON SIGNAL           16         DISK ELECT SIGNAL           17         V         MIC           18         W         ICM FILES SIGNAL           19         BR         ICM INTRA SIGNAL           19         BR         ICM FILES SIGNAL           20         LG         LILUMINATION SIGNAL           20         LG         ARA NOLATOR SIGNAL	
Connector No. 2232 Connector Name RAONT WIPER MOTOR Connector Type H505FGY	Terminal     Color Of No.     Signal Name [Specification]       No.     -     -       1     V     -       5     V     -	Terrninal         Color of No.         Signal Name [Specification]           1         R         -         -           2         R         -         -           5         W         -         -           7         P         -         -           9         W         -         -           13         L         -         -	
BO GASOLINE ENGINE) Connector Name Connector Name POWER STERING CONTROL MODULE Connector Type FEAQ4FB.FFMA.2LC T	Terminal No.         Virte Wite         Signal Name [Specification]           5         V         V         IGNITON POWER SUPPLY           7         P         CAN-L           7         P         CAN-L	Terminal No.         Color Of Wise         Signal Name [Specification]           3         G         No.           3         G         No.           4         BR         -           1         G         -           1         G         -           1         G         -           11         G         -           12         L         -           13         W         -           13         W         -           20         BG         -           21         L         -           22         BG         -           23         P         -           23         P         -           23         P         -           23         P         -           24         V         -           23         P         -           24         V         -           25         V         -           23         BG         -           23         BG         -	
IGNITION POWER SUPPLY (2.0L TURBO connector Name PUSE AND FUSIBLE LINK BLOCK connector Type 24384, 4GA0A	Terminal     Color Of No.     Signal Name [Specification]       1     5B     -       2     B     -       3     B     -       5     R     -       6     -     -       6     -     -       7     -     -       8     -     -       9     B     -       5     R     -       6     -     -       Connector Name     IoINT CONNECTOR-EDS       Connector Type     -	Terminal         Coler Of 3         Signal Name [Specification]           3         Wr         -         -           3         Wr         -         -         -           4         L         -         -         -         -           1         W         -         -         -         -         -           1         W         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         - </td <td></td>	

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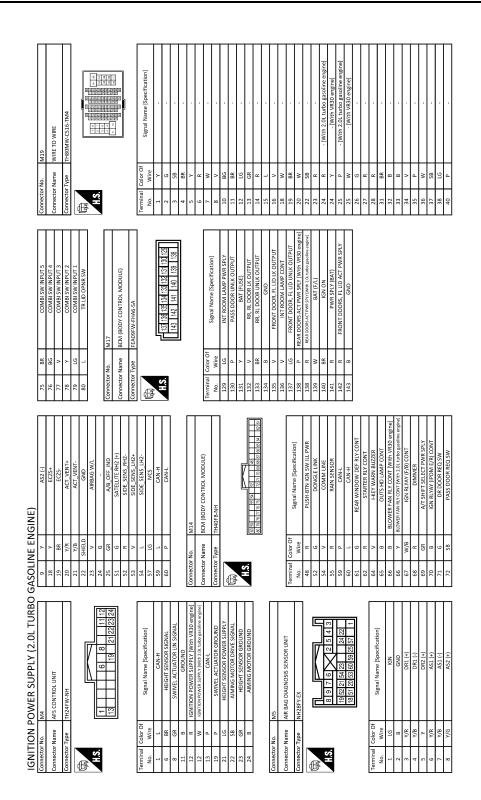
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#### 2016 Q50

64 B - 64 - 65 R - 65 - 65 - 65 - 65 - 65 - 65 -	66 BR -	68 P -	69 V -	70 W -	71 LG -	72 V -			Connector No. M34	Connector Name MilleE TO MilleE		Connector Type NH60MW-TS12					2.5.8 11417 200000 000000000000000000000000000000				Terminal Color Of	No. Wire Signal Name (specification)	1 V -	2 R -	4 G - [With DRPO]	4 SB - [Without DRPO]	_	+	× × ×	╀		11 Y .	13 LG -	14 W -	16 G -	17 B -	18 W -	_	20 SB - [With DRPO]	20 Y - [Without DRPO]	21 SHIELD -	22 B -	23 BG - [Without DRPO]	23 P - [With DRPO]	24 G -	25 LG -	
· ·		-		-			- [With DRPO]	- [Without DRPO]	- Con		[	- [With DRPO]			- [Without DRPO]						Terr					•				- [Except with VR30 engine and without ISS]								-	-	-						-	
SHIELD	SB	LG	Y	Y	ď	W/B	PG LG	Y	V	В	BG	σ	٦	٨	86	_	>	ß	>	-	×	-	SB	L	BR	LG	>	a (	ч à	r A	: >	g	BR	9	>	B	BR	В	BG	LG	^	R	9	L	σ	R	>
11 12	13	14	15	16	17	18	19	19	20	21	22	22	23	24	25	25	26	27	28	29	30	31	32	33	34	35	36	37	40	43	43	44	46	47	49	50	52	53	55	56	57	58	59	60	61	62	63
Connector No. M25 Connector Name DATA LINK CONNECTOR		Connector Type BD16FW				1.3.					Terminal Color Of Signal Name (Considentian)	No. Wire Specification	3 LG M_CAN_L	4 B EARTH	5 B EARTH	6 L CAN-H	7 V KLINE [With 2.0L turbo gasoline engine]	7 W KLINE [With VR30 engine]	8 W IGN_SW	11 SB M_CAN_H	8	-	14 P CAN-L	16 W POWER			Connector No. M33	Connector Name WIRE TO WIRE	Connector Type NH60MW-TS12	1				3 6 9 12 16 9 12 18 12 19 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1				Terminal Color Of Signal Name [Cnerification]	No. Wire Statements	2 W -	4 G -	5 6 -	6 R	7 R	8 GR -	9 GR -	10 W -
LOJ LOJ	3	Con	6	B							Ter	-														l	Co	Con	Cor		E	Ę.						Ter	-								
- [With - [With VR30	BR - [With VR30 engine]	W - [With 2.0L turbo gasoline engine]			M23	Connector Name DI CIVIED MOTOD		Connector Type NS03FW-M3				ŀ	3 4 6				Terminal Color Of	Wire Signal Name (Specification)						M24	Connector Name CAN GATEWAY		TH12FW-NH		[		1 3 4 5 6	7 9 10 11 12			Color Of Sized Name (Cassification)	Wire Detroited operation	CAN-H (CAN COMMUNICATION CIRCUIT 1)	W BATTERY POWER SUPPLY	CAN-H (CAN COMMUNICATION CIRCUIT 2)	B GROUND	CAN-H (CAN COMMUNICATION CIRCUIT 2)	P CAN-L (CAN COMMUNICATION CIRCUIT 1)	R IGNITION POWER SUPPLY (With VR30 engine and without ISS)	W IGNITION POWER SUPPLY [Except with VR30 engine and without ISS]	R CAN-L (CAN COMMUNICATION CIRCUIT 2)	B GROUND	R CAN-L (CAN COMMUNICATION CIRCUIT 2)

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Revision: November 2016

< WIRING DIAGRAM >

27 R		13 GI		57	P [With 2.0L turbo gasoline engine]	99 88	th VR30 engine]
SB SC		Ħ	LD - [With 2.0L turbo gasoline engine]	$\square$		90 FC	- [With 2.0L turbo gasoline engine]
5		14 B 15 BC		59	XB		
+		+	- [with XR30 engine]	+			
, I				65	R -	Connector No. M46	
- 49 P		+	_	99	depending	roduction] Connector Name HEATED SEAT RELAY	
_		17 LG	_	99	<ul> <li>[Color of wire differs depending</li> </ul>		
+		18 	- [W]	67	LG -	Connector Type MS02FL-M2-LC	
		/M 21	<ul> <li>- [With 2.0L turbo gasoline engine]</li> </ul>	8	- -	4	
+		+		69	-		Ľ
+	T			0/	R	5	ω
+		+	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	71	_		15
×		32 V	<ul> <li>[With VR30 engine]</li> </ul>	71	W - [With 2.0L turbo gasoline engine]		
В		33 L	- [With VR30 engine]	72	- [With		
æ		33	- [With 2.0L turbo gasoline engine]	72			
BR		+		-	_	Ī	
+		+		+	- [With	Terminal Color Of	Signal Name [Specification]
BR	T			+	BR - [With VR30 engine]	No. Wire	
> :		3/	+	/4	- [With		
+		3/	- [With 2.0L turbo gasoline engine]	€ F	B - [With VK3U engine]	× ;	- [With VK3U engine and without ISS]
- M 7/	]	38	- [WITH VKSU Engine]	0 F	P - [wtth 2.04 turdo gasoline engine and without gateway	~ ~	- [Except with VK3U engine and without ISS]
		8 8	- [with 2.00 turbo gasonine engine and without gateway]	╉	K - [With 2.0L turbo gasoline engine and w Million	createway)	
Connector No 8440	ſ	+	t	+	w/b	-	
Τ	T	× ×	- [with 2.0L turbo gasoline engine]	+	2B	T	
Connector Name WIRE TO WIRE		+			Dariah	Connector No. ALCC	
Connector Tyne TH806MM CC16 TA44	T	40 - 41		0/			
	1	74 BB		C. US		Connector Name DRIVER ASSISTANCE BUZ	DRIVER ASSISTANCE BUZZER CONTROL MODULE
		╀	- [With 2 OI turbo gasoline engine]	3 5	, , ,	Connector Type TH16FW-NH	
		╀	╞	5		1	
		╀		30 83	R Mith 2 OI turbo gasoline anglue		
		╀	- fvarith	88	+	<u></u>	R
		20		6 6			Ľ
2		+		4 2	- 		5 3 1
		4/ 4/ 4/		00	- 	16	13 11
Color Of				; 8	>>		
No Mine Signal Name [Specification]		+	+	60		T	
+	T	50 a	<ul> <li>[With 2.01 turbo gasoline engine]</li> <li>[Mith 3.01 turbo asoline and as]</li> </ul>	06	V [with 2.01 Furbo median	Terminal Color Of	
╉		╀	$\left  \right $	R 6		No Miro	Signal Name [Specification]
	T	- PK		16	, 	ann	ICNITION
	T	╀		76	, , ,	р -	
BIG - MITH VK3U ENE		+		55			S CUMIM-H
BR		9 23	+	94	GR - [With VR30 engine]	5 8	GROUND
+		_		94		80	4G BUZZER SIGNAL
9 P - [With 2.0L turbo gasoline engin		_	<ul> <li>[With VR30 engine]</li> </ul>	95	BR - [With VR30 engine]	11 Y	ITS COMM-L
		55 B	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	95		13 B	GROUND
W - [With VR30 enj		_		95		16 G	JZZER SIGNAL GROUND
_		_		96			
8				97			
- Iwith 2.0		57 GR		98			
		┥	┥	20	-		
BR - IWith 2.0L turbo gasol		-	- [With VR30 engine]	98	- -		

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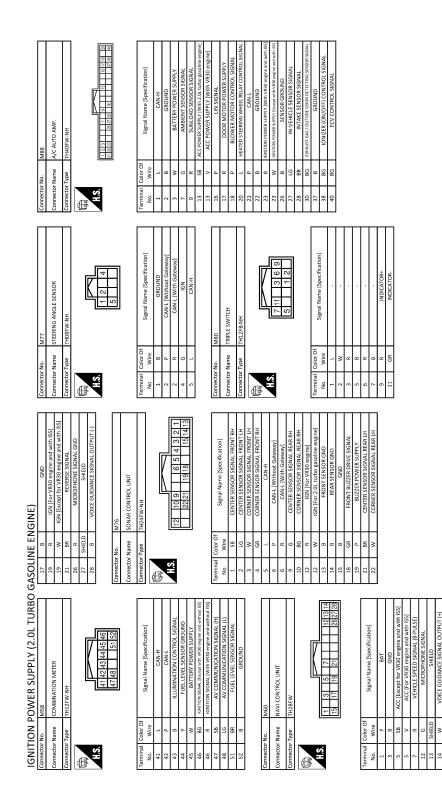
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# POWER SUPPLY ROUTING CIRCUIT < WIRING DIAGRAM >



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	А
- (Writh 2.01, turbo gasoline engine)         - (Writh 2.01, turbo gasoline engine)         - (Writh 3.01, turbo gasoline engine) <td< td=""><td>В</td></td<>	В
	С
14         58           15         58           16         7           17         7           18         7           19         58           19         58           11         7           12         58           13         58           13         58           13         58           13         58           13         58           13         58           13         58           13         58           14         23           15         1           1         1           1         1           1         1           1         1           1         1           1         1           1         1           1         1           1         1           1         1           1         1           1         1           1         1           1         1           1         1           1         1	D
engine) enginei enginei enginei	Е
	F
M         M           Color Of Wine         N           N         N           N         N           N         N           N         N           N         N           N         N           N         N           N         N           N         N           N         N           N         N           N         N           N         N           N         N           N         N           N         N           N         N           N         N           N         N           N         N           N         N           N         N           N         N           N         N           N         N           N         N           N         N           N         N           N         N           N         N           N         N           N         N           N         N           N         <	G
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C (1/B) C (1/B) C (1/B) C (1/B) C (1/B) C (1/B) C (1/B) 	I
IdiNE) Muist Luse BLOCK (J/B) MozFW-LC Muist Rese BLOCK (J/B) MozFW-LC Muist Rese BLOCK (J/B) Muist Rese BLOCK (J/B) Rese BLO	J
GASOLINE ENGINE)       connector No.     M131       Connector Name     FUSE BLOC       Connector Name     FUSE BLOC       Total     N       Total <th< td=""><td>Κ</td></th<>	Κ
•	L
OWER SUPPLY (2.0L TUR M97 BACK-UP LAMP RELAV M6207E-MA34G M620F-MA34G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M624G M620F-M6	PG
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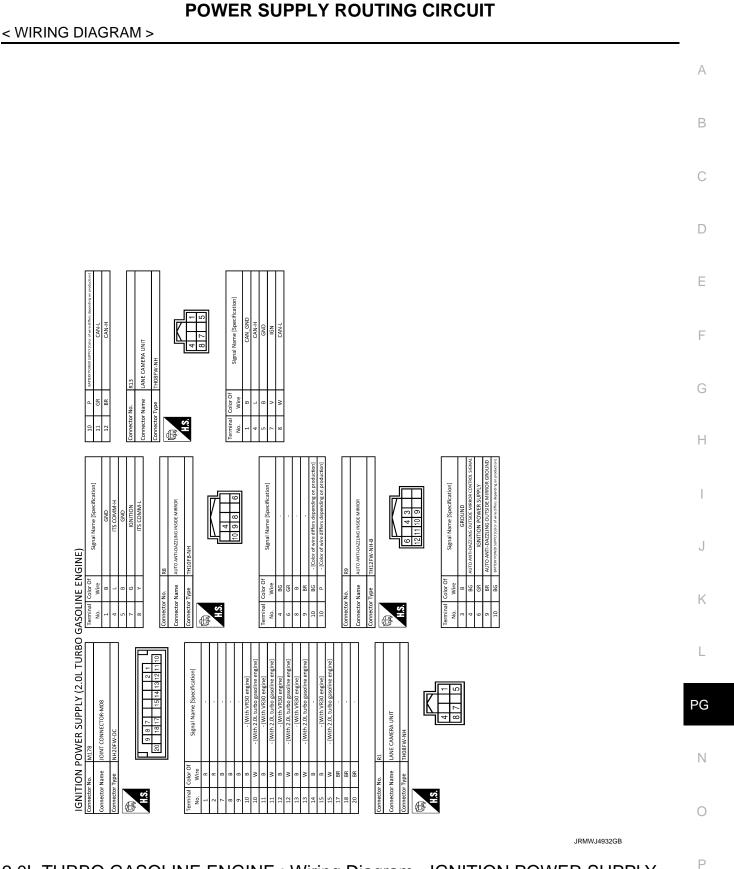
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< WIRING DIAGRAM >

Terminal Color Of	Signal Name [Specification]	Conr	Connector No.	M171	Connector No.	tor No.	M175	Connector No.		M177
R		Cont	Connector Name	JOINT CONNECTOR-M01	Connec	Connector Name	JOINT CONNECTOR-M05	Connector Name		JOINT CONNECTOR-M07
GR		Conr	Connector Type	24342_4GA2A	Connec	Connector Type	NH20FL-DC	Connector Type		24342_4GA2A
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SB				18 17 16 15 14 5			20 19 17 16 15 14 13 12 11 10			17 16 15
~				24 23 22 20 19						24 23 22 21 20 19
σ										
BR										
×		Tem	Terminal Color Of		Termin	Terminal Color Of	(	Terminal	Color Of	(
я		z	No. Wire	Signal Name (Specification)	.oN	Wire	Signal Name (Specification)	No.	Wire	Signal Name (Specification)
_			1 8	,		-	,	1		,
SHIELD			2 B		2	_		2		
BR		Ľ	е е		[ m	-		m		
8		Ľ	4 B		4			4		
9		[	8		۰ ۱۰	-		5	_	
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ч			7 B		~	_		7	٩.	
9		Ĺ	8	,	∞	_	,		4	,
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GR			10 6		11	۹.		10	٩	
SB			11 G		12	Ь		11	d	
BG		[	14 B		13	۹.		12	٩	
N			15 B		14	٩		13		
9			16 SB	- [With VR30 engine]	15	ď		14	L	
R		-	16 Y	- [With 2.0L turbo gasoline engine]	16	d	- [With VR30 engine]	15	ſ	
SHIELD		-	17 SB	- [With VR30 engine]	16	R	- [With 2.0L turbo gasoline engine]	16	٦	
в		1	17 Y	- [With 2.0L turbo gasoline engine]	17	d	- [With VR30 engine]	17	L	
N		-	18 SB	- [With VR30 engine]	17	æ	- [With 2.0L turbo gasoline engine]	18		
æ			18 Y	- [With 2.0L turbo gasoline engine]	19	~	<ul> <li>[With VR30 engine and with ISS]</li> </ul>	19	Μ	
GR			19 G		19	≥	<ul> <li>[Except with VR30 engine and with ISS]</li> </ul>	20	M	
8			20 G		20	~	- [With VR30 engine and with ISS]	21	×	
٦C			22 LG	- [With VR30 engine]	20	>	<ul> <li>[Except with VR30 engine and with ISS]</li> </ul>	22	Ь	
В			22 SB	- [With 2.0L turbo gasoline engine]				23	Ь	
SB		14	23 LG	- [With VR30 engine]				24	Р	
в		. 7	23 SB	- [With 2.0L turbo gasoline engine]						
		IN	24 LG	- [With VR30 engine]						
			_	- D	-					

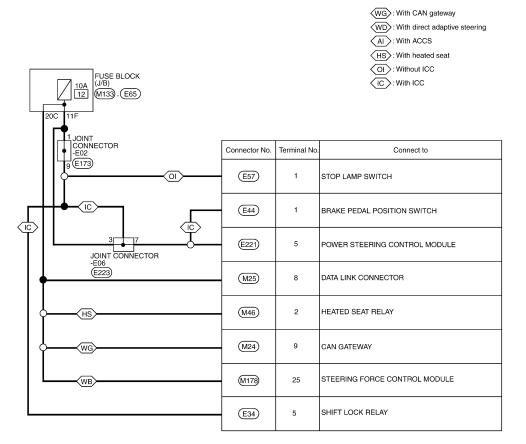
JRMWJ4931GB



< WIRING DIAGRAM >

### FUSE No. 12 -

### IGNITION POWER SUPPLY FUSE No. 12 (2.0L TURBO GASOLINE ENGINE)



2015/11/27

JRMWJ1913GB

INFOID:000000013358793

< WIRING DIAGRAM >

# FUSE No. 75 -

### IGNITION POWER SUPPLY FUSE No. 75 (2.0L TURBO GASOLINE ENGINE)



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(IC): With ICC 10A 75 Connector No. Terminal No. Connect to ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT) (E35) 60 80 34 (B18) (M19) (M40) (E25) <br/>
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<br/> (B1) 12 ADAS CONTROL UNIT (E14) (E76) (E80) 1 ICC SENSOR (M77) 4 STEERING ANGLE SENSOR (R1) 7 13 LANE CAMERA UNIT (M159) (R15) (M56) 1 DRIVER ASSISTANCE BUZZER CONTROL MODULE (B93) 5 SIDE RADAR RH 7 B8 B87 (B92) 5 SIDE RADAR LH

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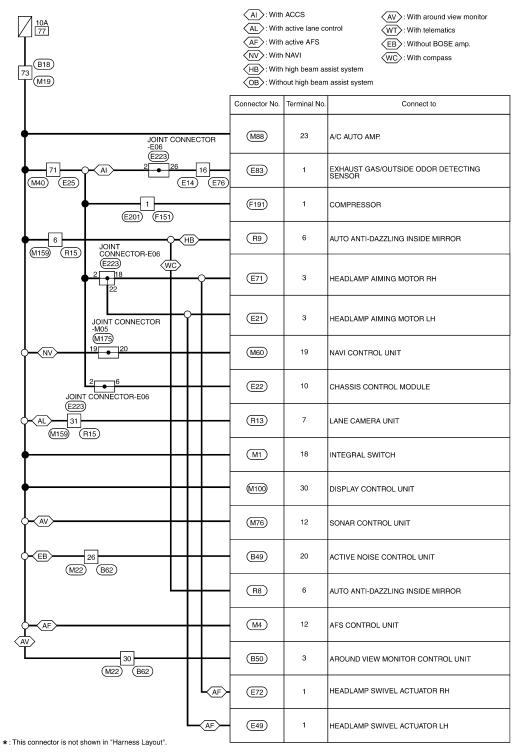
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2015/11/27

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FUSE No. 77 -

### IGNITION POWER SUPPLY FUSE No. 77 (2.0L TURBO GASOLINE ENGINE)



2015/11/27

JRMWJ1915GB

INFOID:000000013358796

< WIRING DIAGRAM >

# FUSE No. 78 -

IGNITION POWER SUPPLY FUSE No. 78 (2.0L TURBO GASOLINE ENGINE)

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$\begin{bmatrix} 10A\\ \hline 78 \end{bmatrix}$			
	Connector No.	Terminal No.	Connect to
•	B136	2	TCM RELAY
•	B136	5	TCM RELAY
•	B138	1	SUB ELECTRIC OIL PUMP INVERTER
	B150	1	SUB ELECTRIC OIL PUMP RELAY

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2015/11/27

JRMWJ1916GB

# 2.0L TURBO GASOLINE ENGINE : Wiring Diagram - IGNITION POWER SUPPLY

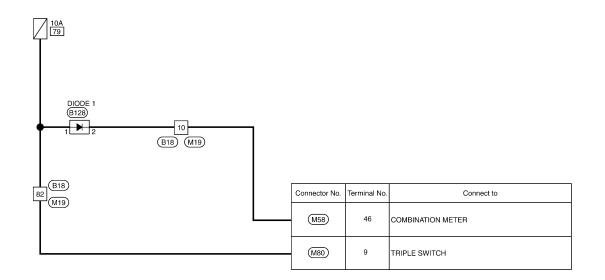
#### Revision: November 2016

< WIRING DIAGRAM >

FUSE No. 79 -

INFOID:000000013358798

IGNITION POWER SUPPLY FUSE No. 79 (2.0L TURBO GASOLINE ENGINE)



2015/11/27

JRMWJ1917GB

#### < WIRING DIAGRAM >

# **GROUND DISTRIBUTION**

# Engine Room Harness

### ENGINE ROOM HARNESS

OF: Wthout AFS	
C: With ICC	
WD: With direct adaptive steering	С
VR: With VR engine	
2L : 2.0L Turbo gasoline engine	
OD: Without direct adaptive steering	_
HO : VR30DDTT turbo high pressure model and for Mexico	D

Connector No. Terminal Connect to FRONT FOG LAMP RH (E16) 2 (E134) (E18) 2 FRONT TURN SIGNAL LAMP RH (E19) VR 2 FRONT WIPER MOTOR WD (E31) 39 STEERING ANGLE SUB CONTROL MODULE (E41) 3 FRONT COMBINATION LAMP LH (E41) 4 FRONT COMBINATION LAMP LH (E74) 2 VEHICLE SECURITY HORN ICC SENSOR 36 (E80) 8 (IC) E170 E171 IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) 7 (E120) IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) (E121) 41 (E152) 199 (VR) ECM (E152) 201 ECM E152 204 ECM COOLING FAN CONTROL MODULE 2 (E168) 1 (HO)

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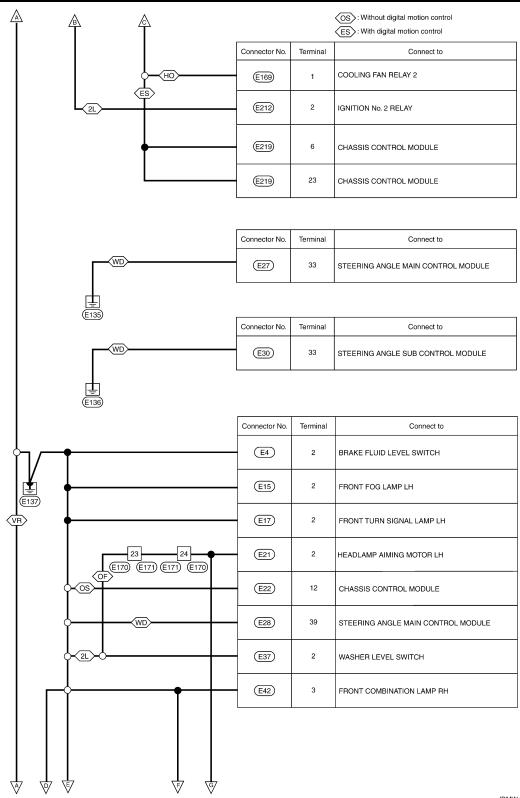
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INFOID:000000012791635

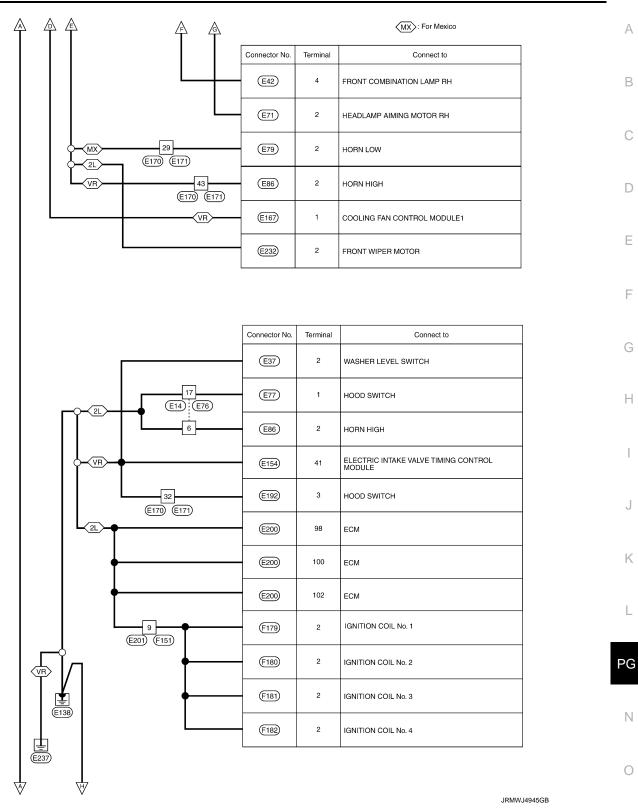
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#### < WIRING DIAGRAM >



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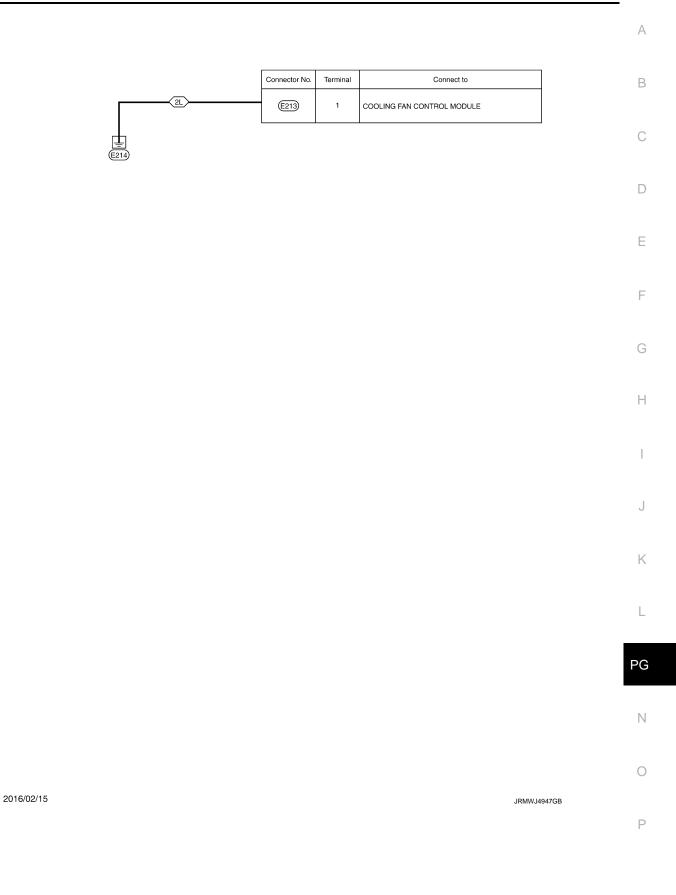


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### < WIRING DIAGRAM >

Å Å				EB: Without BOSE system
		Connector No.	Terminal	Connect to
	•	E35	1	ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT)
		E35	2	ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT)
	Ē140			
		Connector No.	Terminal	Connect to
VR>	E181) (E179)	(E177)	1	POWER STEERING CONTROL MODULE
		E221)	1	POWER STEERING CONTROL MODULE
		Connector No	o. Terminal	Connect to
	•	E143	4	CHARGE AIR COOLER COOLING ELECTRIC WATER PUMP 1
(E191)	•	(E149)	2	HIGH PRESSURE FUEL PUMP RELAY
	•	E150	2	FUEL INJECTOR RELAY
	+	(E151)	1	CHARGE AIR COOLER COOLING RELAY
	• •	(E152)	199	ECM
		E152	201	ECM
		(E152)	204	ECM
	(E170) (E171) HO 30 JOINT CONNECTOR-FI	E161)	4	CHARGE AIR COOLER COOLING ELECTRIC WATER PUMP 2
	(E145) (F106)	(F142)	87	ECM
		(F142)	88	ECM
	(E145) (F106) 3	(F142)	95	ECM
	4	(F143)	2	ECM
	<u></u> 1	(F143)	7	ECM
	EB 80 33 E25 M40 M22 B62	<u>B49</u>	4	ACTIVE NOISE CONTROL UNIT

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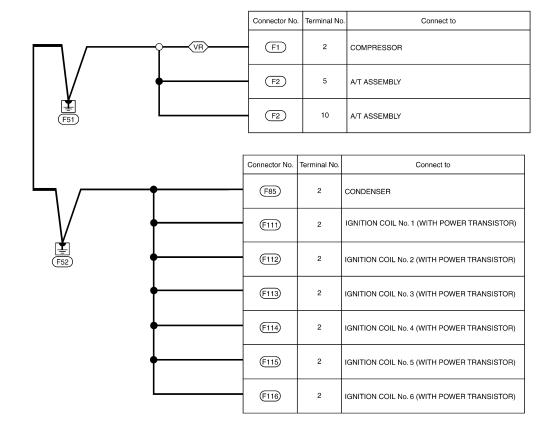
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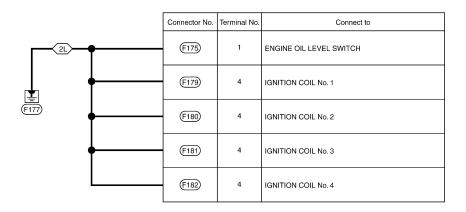
# Engine Control Harness

#### ENGINE CONTROL HARNESS

INFOID:000000012791636

VR: With VR engine



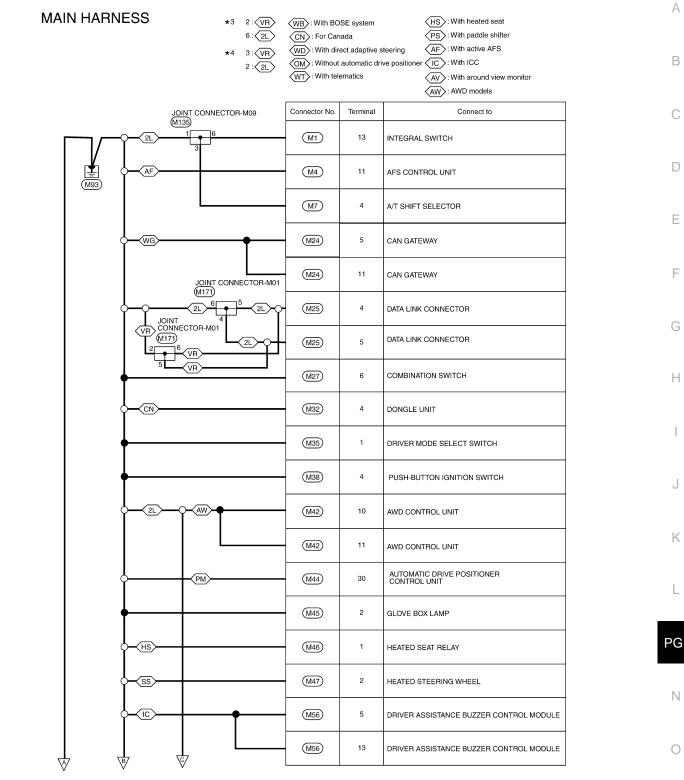


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#### < WIRING DIAGRAM >

#### Main Harness

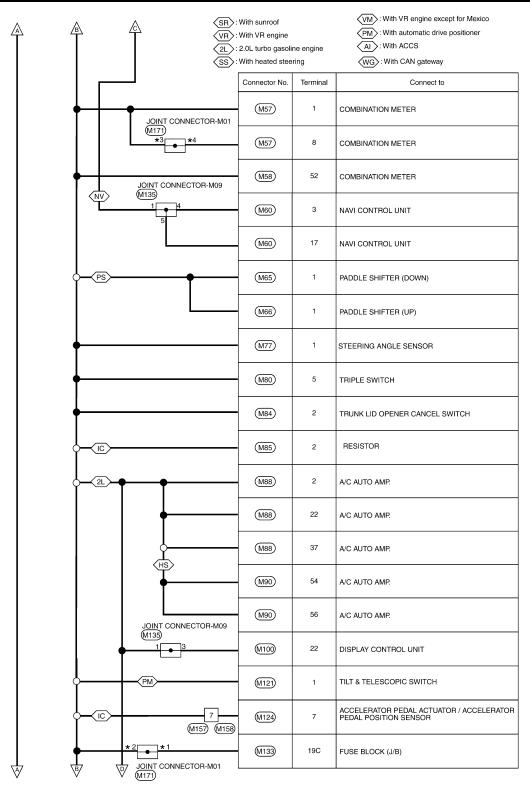


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INFOID:000000012791637

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< WIRING DIAGRAM >



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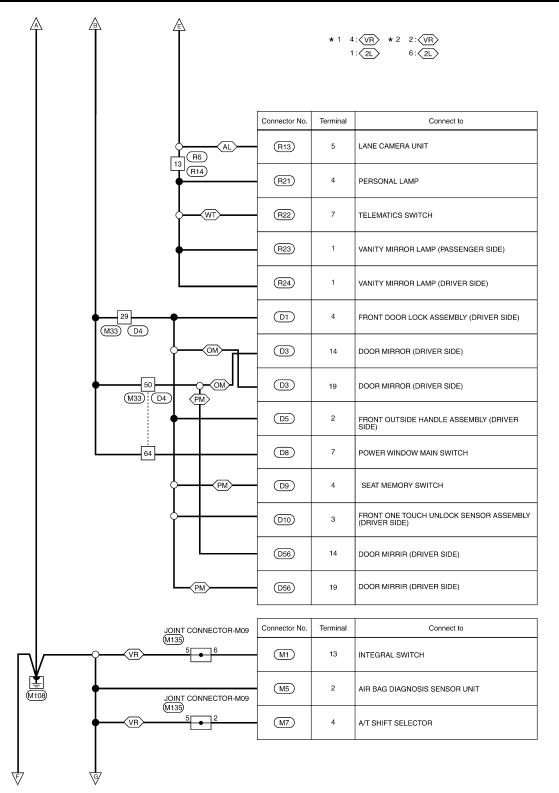
#### < WIRING DIAGRAM >

Å		AL : With	h active lane o	control COH : Without high beam assist syster CLP : With LDP	m A
	J <u>OIN</u> T CONNECTOR-M09	Connector No.	Terminal	Connect to	
		M136	3	IONIZER	В
	J <u>OIN</u> T CONNECTOR-M01	M138	2	CONSOLE BOX LAMP	
		M140	12	OPTION CONNECTOR (TOTAL ILLUMINATION CONTROL UNIT (PASSENGER SIDE))	С
	JOINT CONNECTOR-M09	M141)	12	OPTION CONNECTOR (TOTAL ILLUMINATION CONTROL UNIT (DRIVER SIDE))	D
		M143	16	EXTERNAL DATA INPUT BOX	
	• • • • • • • • • • • • • • • • • • •	M144	28	тси	E
		(M144)	29	тси	-
		M163	20	AV CONTROL UNIT	F
		(M252)*	2	AIR MIX DOOR MOTOR LH	G
	( <u>M6</u> ) ( <u>M128</u>	M253*	2	MODE DOOR MOTOR	
	│	(M254)*	2	INTAKE DOOR MOTOR	Н
		M255	2	AIR MIX DOOR MOTOR RH	I
	Г	R1	1	LANE CAMERA UNIT	
6		R1	5	LANE CAMERA UNIT	J
	(M159) (R15)	R4	6	MAP LAMP	K
		R5	3	RAIN SENSOR	1 x
		R8	8	AUTO ANTI-DAZZLING INSIDE MIRROR	L
	(M159) (R15) (HB)	R9	3	AUTO ANTI-DAZZLING INSIDE MIRROR	Re
	SR 24	R11	1	SUNROOF SWITCH	PG
	(M159) (R15)	R13	1	LANE CAMERA UNIT	Ν
↓ ♥		L	1	]	0

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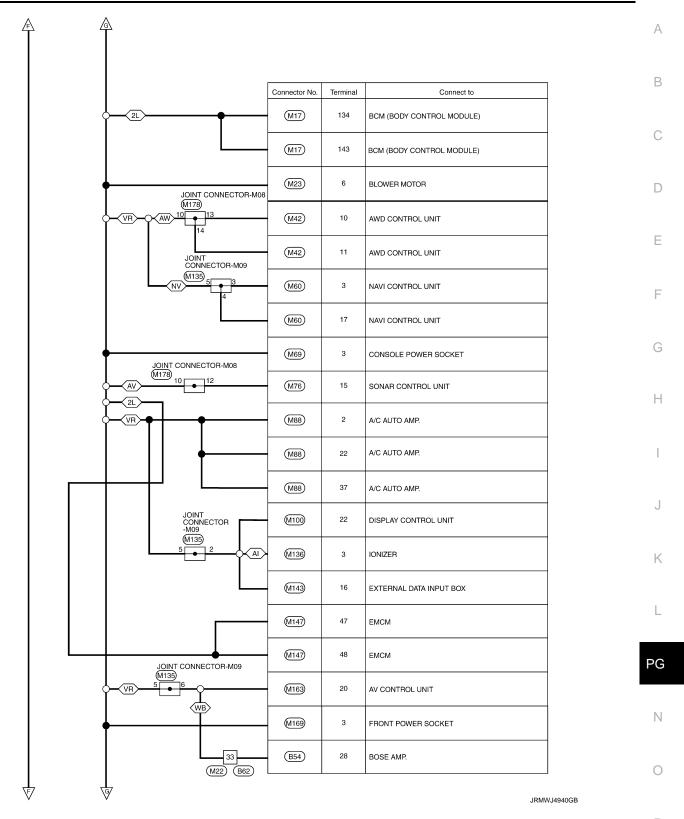
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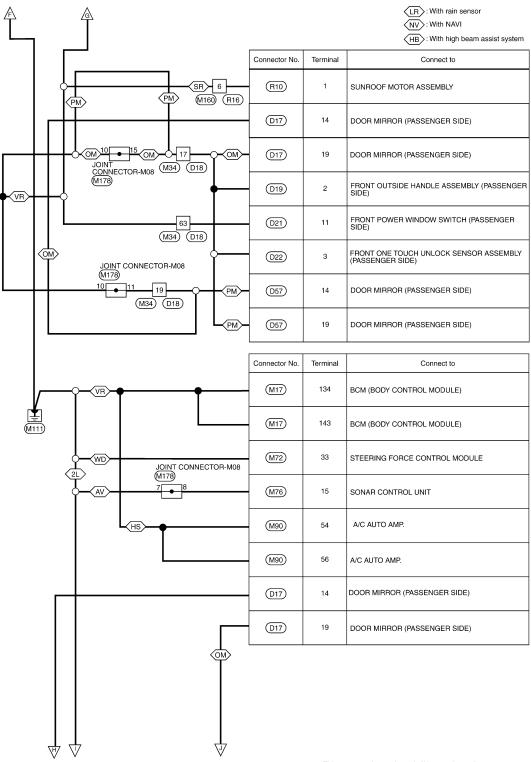
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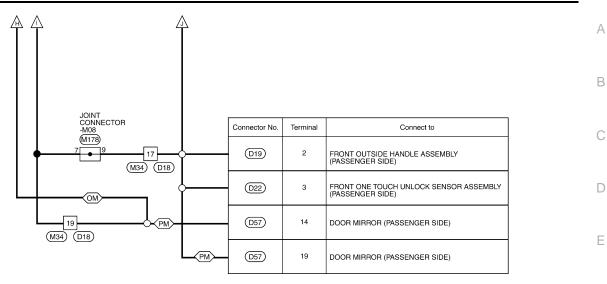
< WIRING DIAGRAM >





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

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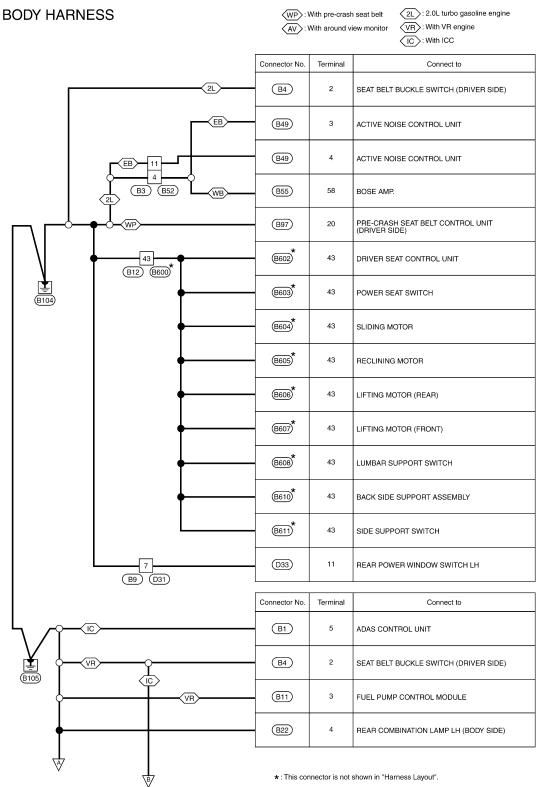
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2016/02/15

#### < WIRING DIAGRAM >

# Body Harness



JRMWJ4949GB

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	<u>/</u>				WB: With BOSE system	
			Connector No.	Terminal	Connect to	
+			B23	4	REAR COMBINATION LAMP RH (BODY SIDE)	
+		JOINT C <u>ON</u> NECTOR-B09	(B34)	1	HIGH-MOUNTED STOP LAMP	
¢-	IC 10 (B8) (B87)		(B92)	2	SIDE RADAR LH	
		╞══╝╴╋╴	(B93)	1	SIDE RADAR RH	
		UDINT CONNECTOR -805 (B117)	(B93)	2	SIDE RADAR RH	
¢-			B133	9	FUEL PUMP CONTROL MODULE	
L		2L	B151)	1	IGNITION RELAY	
			B163	1	SHIFT LOCK RELAY	
	B87 B8	33 31 (B18) (M19) (M33) (D4)	D15	4	BLIND SPOT WARNING/BLIND SPOT INTERVEN- TION INDICATOR LH	
		32 55 (M34) (D18)	D27)	4	BLIND SPOT WARNING/BLIND SPOT INTERVEN- TION INDICATOR RH	

 Connector No.
 Terminal
 Connect to

 B63
 5
 OCCUPANT DETECTION SYSTEM CONTROL UNIT

 B98
 20
 PRE-CRASH SEAT BELT CONTROL UNIT

 B106
 43
 B613\*
 43

 B58
 6613\*
 43
 POWER SEAT SWITCH

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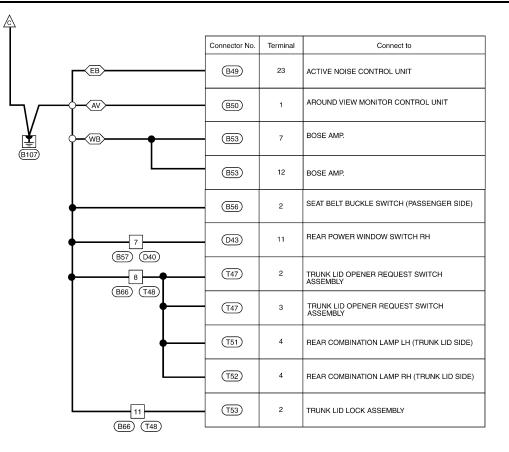
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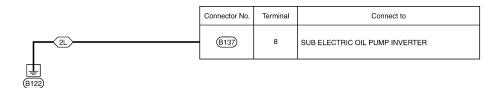
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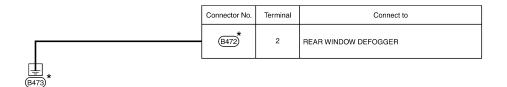
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JRMWJ4950GB

#### < WIRING DIAGRAM >



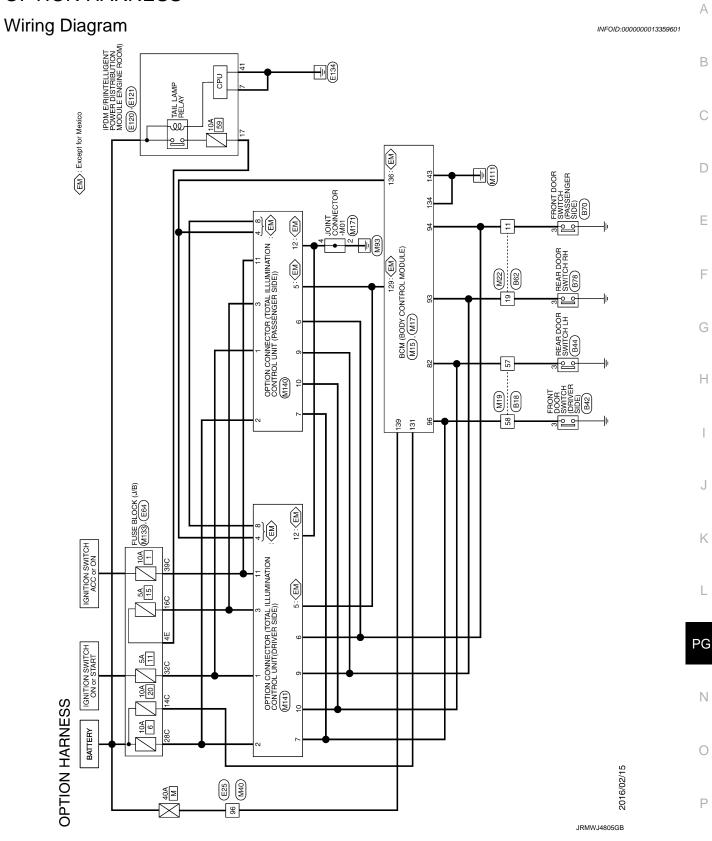




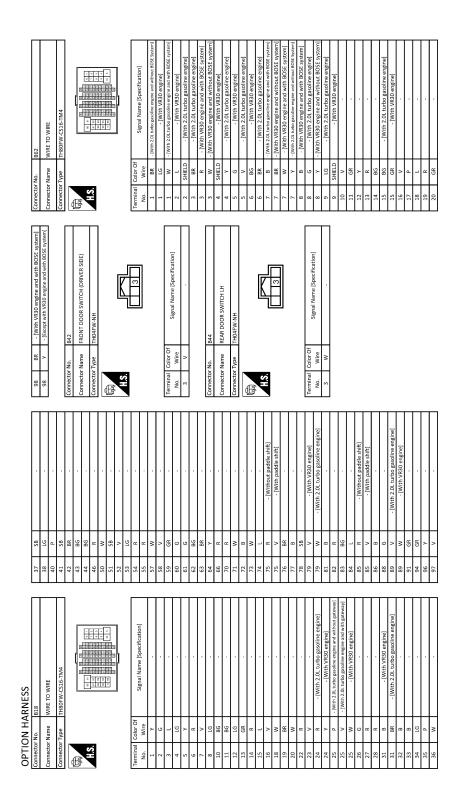
2016/02/15

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# **OPTION HARNESS**



### **OPTION HARNESS**



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	UPTIUN HAKNESS	59	•		96 R	- [With 2.0L turbo gasoline engine]	Connector No. E25
22 V		61			. M 96	- [With VR30 engine]	
23 W		62	٩	ith VR30 engine	97 L	- -	
+	<ul> <li>- [With 2.0L turbo gasoline engine]</li> </ul>	62	> -	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	97 R	- [With 2.0L turbo gasoline engine and with BOSE system]	Connector Type TH80FW-CS16-TM4
24 V 25 I	- [With VK30 engine] - [With 2 OI turbo ascoline engine]	60	- ×		_	- Invest 2.00 turbo gasonine angine ang wendue buos system	
25 2B	Contraction Second Congress     Contraction Second Seco	99	: 9		88 96	- [With VR30 engine and with BOSE system]	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
┝	╞	68			╞	- [With 2.0L turbo gasoline engine]	
26 W		69	۵.		λ 66	- [With VR30 engine and without BOSE system]	
Н		71	GR	- [With 2.0L turbo gasoline engine]		- [With VR30 engine]	
		71	Я	- [With VR30 engine]	100 W	- [With 2.0L turbo gasoline engine]	
30 LG	- [Witl	72	9	- [With VR30 engine]			
30 P		72	٨	- [With 2.0L turbo gasoline engine]			nal C
31 SHIELD		73	~	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	Connector No.	B70	No. Wire agric representation
32 L	-	73	SHIELD	<ul> <li>[With VR30 engine]</li> </ul>	Connector Name	FRONT DODR SWITCH (PASSENGER SIDE)	1 BG -
33 B	_	74	BG	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>			6 V -
33 LG	<ul> <li>- [With 2.0L turbo gasoline engine]</li> </ul>	74	L	- [With VR30 engine]	Connector Type	TH04FW-NH	7 L -
		75	GR	- [With 2.0L turbo gasoline engine]	4		8 BG - [With VR30 engine]
35 LG	- [With VR30 engine]	75	>	- [With VR30 engine]	E		8 BR - [With 2.0L turbo gasoline engine]
35 W	- [With	76	GR	- [With VR30 engine]	9 V.	k	9 B - [With 2.0L turbo gasoline engine]
36 R		76	>	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	.c.I		9 GR - (With VR30 engine) [Color of vire differs depending on production]
36 W		77	Р			3	9 LG - [With VR30 engine] [Color of wire differs depending on production]
37 P	- [With 2.0L turbo gasoline engine	78	L				10 BR -
		79	R	-			
	- [With 2.0L turbo gasoline engi	80	GR	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>			GR
38 W		80	×	- [With VR30 engine]	nal C	Cional Mama (CoosiGoosian)	٩.
	- [With VR30 engine and without BOSE system]	81	8	- [With VR30 engine]	No. Wire	Dignal Name Copecification	SHIELD -
		81	~	- [With 2.0L turbo gasoline engine]	3 GR		M
39 W		82	σ	- [With 2.0L turbo gasoline engine]			
	$\vdash$	82	SHIELD	- [With VR30 engine]			
$\vdash$		83	~	- [With 2.0L turbo gasoline engine]	Connector No.	878	SB
		83	>	- [With VR30 engine]			BR - fWith
ľ		84	: e	- [With VR30 engine]	Connector Name	REAR DOOR SWITCH RH	. >
+		18	CHIELD	- [Mith 2 0] turbo escoline engine]	Connector Type	TH046W/NH	- 8
╀	[Mitch 2 Of works	01 0	21 11 1				5
+		6	3 (	- [with YKSU engine]	đ		5
╈	- [With VK3U engine]	68	، و	- [With 2.0L turbo gasoline engine]	(this)		- [With
46 SHIELD		86	~	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>		R	18 P - [With VR30 engine]
-		86	>	<ul> <li>[With VR30 engine]</li> </ul>	2		7
48 BG		87	۲e	- [With VR30 engine]		0	31 W - [With 2.0L turbo gasoline engine]
49 G		87	SHIELD	- [With 2.0L turbo gasoline engine]			31 Y - [With VR30 engine]
50 V		68	٦				32 G - [With 2.0L turbo gasoline engine]
$\vdash$		06	•	- [With 2.01 turbo pasoline engine]			
5		6	. ;	DAVIAL VIDO SUCCION CONTRACTO	Torminal Color Of		5 -
+		26	, ,		_	Signal Name [Specification]	
52 Y	_	92		<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	>		33 Y - [With 2.0L turbo gasoline engine]
+		92	>	- [With VR30 engine]	8		+
54 GR		93	я	<ul> <li>[With VR30 engine]</li> </ul>			35 GR -
		93	SHIELD	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>			я
		94	~				
		95	-	- [With 2.0L turbo gasoline engine]			>
+		95	>	- [With VR30 envine]			38 I - [With VR30 engine]
+	_	ĥ	-	faulgua Ocava integal -			-

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# **OPTION HARNESS**

OPTIC	7H NC	OPTION HARNESS								
38	٩	- [With 2.0L turbo gasoline engine and without gateway]	76	0				28	- -	
38	œ	- [With 2.0L turbo gasoline engine and with gateway]	5	> !	-	7E BG		29		Τ
39	HK :	- [With 2.0L turbo gasoline engine]	8/ 1	9 I	<ul> <li>[With 2.0L turbo gasoline engine and with ADAS]</li> </ul>			51		T
40 40	> 9	- [With VK3U engine]	8/	- >	- [With VK30 engine and without ADAS]	Connector No	6130	32	58 ca	Т
0 <del>1</del>	on 9		0/	> 0	- באותו ליתר נתומת מפסחווום בוומוום פנות אונוומת אתאים			6		T
44	2 >		n Q	е С		Connector Name	PUM E/K (IM ELLINEM) PUMER DISTRIBUTION MUDULE ENGINE ROOM)	t 2	- 0	
45	· -	- [Mith 2 01 turbo gasoline engine]	6 5	, .		Connector Type	NG12EWLCS	n ye	CB - (M/i+h VB30 engine)	Γ
45	×		82	- >				36	- fwith	
46	-	- [With VR30 engine]	8	B	- [With 2.0L turbo gasoline engine]	Æ		37		Γ
46	7	- [With 2.0L turbo gasoline engine]	83	æ	- [With VR30 engine]		•	38	BR .	
47	U		84	P		. <u>с</u> .н	7 9 10 11	41	GR -	
48	SHIELD		86	BG			13 14 15 17 18	43	· ·	
49	я		87	0						1
50	BR	- [With VR30 engine]	89	P1						
50	g	- [With 2.0L turbo gasoline engine]	96	σ	<ul> <li>[With VR30 engine]</li> </ul>			Connector No.	· M15	
51	_		66	6	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	ual C	Signal Name [Snecification]	Connector Name	me BCM (BODY CONTROL MODULE)	
52	3		91	0		No. Wire				
53	>	-	93	BG		7 B/W	-	Connector Type	De TH24FGY-NH	
54	۵.	- [With VR30 engine]	94	ß	- [With VR30 engine]	9 9		ģ		
54	M	- [With 2.0L turbo gasoline engine]	94	-	- [With 2.0L turbo gasoline engine]	10 LG	-	B		
55	в	- [With 2.0L turbo gasoline engine]	95	BG	- [With VR30 engine]	11 V		210		[
55	N		95	٩.	- [With 2.0L turbo gasoline engine and without gateway]			<u>с.п</u>	92 91 85 83 82	
56	BG	- [With 2.0L turbo gasoline engine]	95	Я	- [With 2.0L turbo gasoline engine and with gateway]	14 SB	-		10210110100 00 07 06	20 70
56	SB	- [With VR30 engine]	96	M		15 BR			00 10 00	3
57	BG	- [With VR30 engine]	97	19 1		17 GR				
57	N	- [With 2.0L turbo gasoline engine]	98	-		18 L				
58	8	- [Color of wire differs depending on production]	66	ΓC	- [With 2.0L turbo gasoline engine]			Terminal Co	Color Of Stanal Name [Snecification]	
58	B/W	- [Color of wire differs depending on production]	66	•	- [With VR30 engine]				Wire abrent and a possible and a	
59	>		100	SHIELD		Connector No.	E121	82	W REAR LH DOOR SW	
61	æ					Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE	83	L TR LID OPEN REQ SW	
64	٨	-					RODMJ	85	P TR ROOM LAMP CONT	
65	BR	- [Color of wire differs depending on production]	Connector No.	or No.	E64	Connector Type	TH32FW-NH	91	GR TRUNK LID OPEN	
65	GR	- [Color of wire differs depending on production]	Connector Name	vr Name	FLISE RLOCK (1/R)	ģ		92	W TURN SIG RH OUTPUT (SIDE,REAR)	
66	GR	-				E		93	G REAR RH DOOR SW	
67	LG	-	Connector Type	or Type	NS08FW-CS	ů.	R	94	GR PASSENGER DOOR SW	
68	BG		ſ	_		Ċ.E	1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	96	V DRIVER DOOR SW	
69	٢		E				35 36 37 38 41 43	97	R TR ROOM LAMP SW	
70	ж		e v					66	GR INSIDE KEY ANT (TRUNK) -	
71	9	- [With 2.0L turbo gasoline engine]	ė.	_	3E 2E 1E			100	W INSIDE KEY ANT (TRUNK) +	
71	٦C	- [With VR30 engine]			7E6E 4E			101	BG REAR BMPR ANT -	
72	_	- [With 2.0L turbo gasoline engine]				Terminal Color Of	Clause (CassiGastical)	102	LG REAR BMPR ANT +	
72	>	- [With VR30 engine]				No. Wire	Signal Name (Specification)	103	Y TURN SIG LH OUTPUT (SIDE, REAR)	Π
73	9	- [With VR30 engine]				19 L	- [With 2.0L turbo gasoline engine]			
73	×	- [With 2.0L turbo gasoline engine]	Terminal	<u> </u>	Signal Name [Specification]	H	- [With VR30 engine]			
74	BR	- [With VR30 engine]	No.	Wire	Jighter (appendication)	22 BG				
74	_	- [With 2.0L turbo gasoline engine]	1E	9		23 GR	- [With VR30 engine]			
75	٩	- [With 2.0L turbo gasoline engine and without gateway]	2E	۵	,	23 LG	- [With 2.0L turbo gasoline engine and without Anti theft diode]			
75	ж	- [With 2.0L turbo gasoline engine and with gateway]	ЗЕ	>	1		- [With 2.0L turbo gasoline engine and with Anti theft diode]			
75	>	- [With VR30 engine]	4E	GR		27 GR				

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< WIRING DIAGRAM >

M17 BCM (BODY CONTROL MODULE) FEA09FW-FHA6-SA	ω, r	×	-	49	×				
CM (BODY CONTROL MODULE) EA09FW-FHA6-SA							4	~	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>
A09FW-FHA6-SA	9	R		66	R		5	9	- [With VR30 engine]
A09FW-FHA6-SA	7	×		70	P		S	>	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>
	∞	>		71	×		9	ß	<ul> <li>[With VR30 engine]</li> </ul>
	10	BG		72	в		9	BR	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>
	11	BR		73	≥		~	Pl	- [With VR30 engine]
	12	ΓC		74			~	۵	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>
101 104 100 101 101	13	GR 1		75	>		•••	5	- [With 2.0L turbo gasoline engine]
147 141 140 133	14	×		۹/	ž		×	-	- [With VK3U engine]
	ដ			2	- n		5	2	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>
	<u></u>	> ;	,	8/	<u>я</u> ,		50	SHIELD	- [With VK3U engine]
	18	>		79	۹.	<ul> <li>[With VR30 engine]</li> </ul>	10	>	
Signal Name [Specification]	19	BR		79	>	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	11	З	
	20	>		81	8		12	>	
INT ROOM LAMP PWR SPLY	22	SB		82	R		13	ΓC	-
PASS DOOR UNLK OUTPUT	23	×		83	BG		14	51	
BAT (FUSE)	24	œ	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	84	_		15	BR	- [With 2.0L turbo gasoline engine]
RR. RL DOOR LK OUTPUT	24	>	- [With VR30 engine]	85	×		15	•	- [With VR30 engine]
	ž		- [Mith 2 OI turko rasolina antinal	98		,	16	g	- [Mith DCM]
THIS INC COOL OF A COLL OF	3 2	. 3		8 8				3 >	
	50	\$ (		00	, :		9	> ;	
FRONT DOOR, FL LID LK OUTPUT	26	9		68	>	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	11	>	
INT ROOM LAMP CONT	27	æ	-	89	N	<ul> <li>[With VR30 engine]</li> </ul>	18		-
FRONT DOOR, FL LID UNLK OUTPUT	28	æ		91	ß		19	U	
REAR DOORS ACT PWR SPLY [With VR30 engine]	31	ß		94	ß		20	GR	
REAR DOORS ACT PWR SPLY [With 2.0L turbo gasoline engine]	32	8		96	>		21	~	
	ę	"		97	>		22	>	
	5	, >		6		Print WD20 and a new here a relation	1		
IGN UN	34	>		20	ž	- [with VK3U engine and with BOSE system]	52	-	
PWR SPLY (BAT)	52	-		86	>	<ul> <li>[Except with VR30 engine and with BOSE system]</li> </ul>	24	2	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>
FRONT DOORS, FL LID ACT PWR SPLY	36	>					24	>	<ul> <li>[With VR30 engine]</li> </ul>
GND	37	SB					25	_	- [With 2.0L turbo gasoline engine]
	38	10 10	,	Connector No.	Γ	M22	25	88	- [With VR30 engine]
	40	•					36	Ľ	- [M/ith VR30 engine]
M10	Ę			Connector Name		WIRE TO WIRE	24	, 3	[Mith 2 01 turbo medino ontino]
'n	#	,			T		07	× ,	- [WILL 2.0L LUEDO BASOIILE EUBINE]
WIRE TO WIRE	42	BR		Connector Type		TH80MW-CS16-TM4	27	æ	
	43	BR		ć			29	LG	
TH80MW-CS16-TM4	44	BR		E			30	SB	- [With VR30 engine]
	46	BG					30	≥	- [With 2.0L turbo gasoline engine]
	9	. 3		S.			5	CHIELD	[0
100 100 100 100 100 100 100 100 100 100	R I	\$ >		ļ		3 8 112 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 10	5	31 11 1	
1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 +	ň	-					ž	-	
10 20 20 10 10 10 10 10 10 10 10 10 10 10 10 10	52	V					33	8	<ul> <li>[With VR30 engine]</li> </ul>
a 1 3 2000 2000 1000 1000 1000 1000 1000	53	P					33	P1	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>
	54	œ					34	SHIELD	
	ŭ	•		Tarmina	Color Of		20	2	Invited Apple (MAN)
	3 0	: 3		-	Miles	Signal Name [Specification]	ŝ	3	
	'n	~					R	M	
Signal Name [Specification]	28	>		-	9		36	ď	<ul> <li>[With VR30 engine]</li> </ul>
	5	BG		2	_	<ul> <li>[With VR30 engine]</li> </ul>	36	>	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>
	909	9		2	SHIELD	- [With 2.0L turbo gasoline engine]	37	~	- [With VR30 engine]
	đ				ć		ſ	3	
	đ	,		'n	ú	- [WILLI 2.0L LUIDO BASOILIE EIBIRE	ñ	>	- [with 2.00 turno gasonine engine]
	62	BG		m	ж	<ul> <li>[With VR30 engine]</li> </ul>	ŝ	>	
	63	BR		4	SHIELD	- [With VR30 engine]	39	٩	<ul> <li>[With VR30 engine and without BOSE system]</li> </ul>

**OPTION HARNESS** 

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- [With 2.0L turbo gasoline engine] - [With VR30 engine and with BOSF system]	81	ی <u>م</u>	- [With 2.0L turbo gasoline engine] - [With 2.0L turbo assoline engine]	Connector No.	-No.	M40	39	× >	- [With 2.0L turbo gasoline engine] - [With VR30 engine]
or system!	82	SHIELD	- [with 2.0L turbo gasonine engine] - [With VR30 engine]	Connector Name	- Name	WIRE TO WIRE	40	- 8	
	83	æ	- [With 2.0L turbo gasoline engine]	Connector Type	- Type	TH80MW-CS16-TM4	41		
	83	>	- [With VR30 engine]	ą			44	t BR	,
	84	BR		F			45	_	- [With 2.0L turbo gasoline engine]
	84	SHIELD	- [With	SH		198	45	+	- [With VR30 engine]
i 2.0L turbo gasoline engine) - [With VR30 engine]	6	5 0	- [With 7.01 turbo resoline engine]			N         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0	46	• ≻	- [With 2:01 furbo gasoline engine]
	98	~	- [With 2.0L turbo gasoline engine]				47	8	
	86	>	- [With VR30 engine]				47	R	- [With VR30 engine]
- [Except with VR30 engine and with BOSE system]	87	ГG	- [With VR30 engine]				48	SHIELD	
- [With VR30 engine and with BOSE system]	87	SHIELD	- [With	Terminal	Color Of	Signal Name [Specification]	49	+	- [With VR30 engine]
	68	BR	- [With VR30 engine]	.oN	Wire		49	+	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>
Ĩ	68	2	- [With 2.0L turbo gasoline engine]	-	BG		202	+	- [With
	06	<u>ج</u>	- [with 2.0L turbo gasoline engine]	n a	w/b	41	2 2	ž -	- [with vksu engine]
- (with 2.0L turbo gasoline engine) - [Mith VD30 cocioci	06 C6	> -	- [With VK30 Engine]	\ °	20	- Invite VP30 and a	7 0	- ×	, ,
	25 CB	, 3	- [With VR30 engine]	0	2 a	- fWith 2 01 turbo gasoline engine1	1 2	╀	,
	93	~	- [With VR30 engine]	6	19	- [With VR30 engine]	54	-	- [With 2.0L turbo gasoline engine]
	93	SHIELD	- [With 2.0L turbo gasoline engine]	6	Ч	- [With 2.0L turbo gasoline engine]	54	≻ t	- [With VR30 engine]
	94	œ		10	M		55	8	- [With 2.0L turbo gasoline engine]
	95	_	- [With 2.0L turbo gasoline engine]	11	M	- [With VR30 engine]	55	ч С	- [With VR30 engine]
	95	>	- [With VR30 engine]	11	7	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	56	_	
	96	~	- [With 2.0L turbo gasoline engine]	12	в	- [With VR30 engine]	56	+	- [With 2
	96	>	- [With VR30 engine]	12	BR	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	57	Ŭ	
<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	97	-	- [With VR30 engine]	13	GR	- [With VR30 engine]	57	۹	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>
- [With VR30 engine]	97	~ 2	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	13	SHIELD	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	8	-	
	86	ž	Protect VICO	14	n S		202	╉	,
	55 G	ž o	- [With VK3U engine and With BUSE system] [Mith 3 01 turbo analise and and a	4 ¥	20	- [with 2.0L turbo gasoline engine]	10	a/»	
	99	- >	- [With VB30 engine and without BOSE system]	16	ec a	- [with VR30 engine]	5 6	- a	
	100	BR	- [With VR30 engine]	16	BR	- [With 2.0L turbo gasoline engine]	99	╞	- [Color of wire differs depending on production]
- [With 2.0L turbo gasoline engine]	100	>	- [With 2.0L turbo gasoline engine]	17	P		99	>	- [Color of wire differs depending on production]
- [With VR30 engine]				18	В	- [With VR30 engine]	67	7 LG	
- [With VR30 engine]				18	W/B	- [With 2.0L turbo gasoline engine]	68	BG	-
<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>				19	Y		69	) L	
<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>				31	W		70	R	
- [With VR30 engine]				32	g	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	71	۲ ۲	- [With VR30 engine]
- [With VR30 engine]				32	>	- [With VR30 engine]	71	>	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>
- [With 2.0L turbo gasoline engine]				33	L	- [With VR30 engine]	72	ہ ا	- [With 2.0L turbo gasoline engine]
				33	Y	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	72	e LG	
<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>				34	Р		73	8 R	- [With VR30 engine]
- [With VR30 engine]				35	BG		73	8 W	- [With 2.0L turbo gasoline engine]
				36	9		74	t BR	- [With VR30 engine]
				37	B	- [With VR30 engine]	74	1 L	- [With 2.0L turbo gasoline engine]
				37	L	- [With 2.0L turbo gasoline engine]	75		- [With VR30 engine]
<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>				38	_	- [With VR30 engine]	75	+	- [With 2:0L turbo gasoline engine and without gateway]
- [With VR30 engine]				38	٩	- [With 2.0L turbo gasoline engine and without gateway]	75	8	- [With 2:0L turbo gasoline engine and with gateway]
- [With VR30 anging]	-								

< WIRING DIAGRAM >

Revision: November 2016

	160	•		Connector No. 14140		•	>	TUPI CONVI 1	
+	170				TOO TOTAL ILLINGMATION CONTROL LINET	ο σ	» د		
LG - [With	18C	BG	- [Without DRPO]	Connector Name (PASSENGER SID)	(PASSENGER SIDE)]	10	>	RR DOOR LH	
79 R -	18C	۵.	- [With DRPO]	Connector Type TH12MW-NH	HN	11	SB	ACC [With 2:0L turbo gasoline engine]	
	19C	B				11	^	ACC [With VR30 engine]	
	1C	œ				12	8	GND	
ΓC	20C	>		21					
BR - [With	21C	L	-	.c-П	6 5 4 3 2 1				
83 R - [With VR30 engine]	22C				11 10 0	Connector No.	Vo. M171	71	
84 V -	23C	٦			0 2 1 1	Connector Name		IOINT CONNECTOR-M01	
86 V -	25C	۲e	-						
87 G -	26C	SB				Connector Type		24342_4GA2A	
- V 68	27C	۵.		Terminal Color Of					
an G INVith VR30 engine	28C	×		Wire	Signal Name [Specification]	Æ			
- IMit	202	: >		╉	IGN	主		6 5 4 3 2 1 <b>5</b>	
> ;	767	\$ 4			ND	S H		11 10 0	
+	7	× 1		M 7					
_	300	¥		×	IAIL_LAMP			1/10/15	
BR	31C	>		4 V	ROOM_LAMP_OUTPUT			24 23 22 20 19	
GR	32C	R		5 LG	BATTERY_SAVER_OUTPUT				
94 L - [With 2.0L turbo gasoline engine]	33C	80	- [With VR30 engine]	6 GR	FR_DOOR_SW_RH				
BR	33C	я	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	7 V	FR DOOR SW LH	Terminal	Color Of	50 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -	
۵.	34C	W/B		8	THRU SIGNAL 1	No.	Wire	Signal Name (Specification)	
	35C	SB		9	RR DOOR RH	1	8		
3	360	~		╞	RR DOOR LH	~	8		
	37C	M		a,	Mith 2 OI turbo gasoline engine]				
				, >	ACC [WILL 2:OL MIDD GROUILE ENGINE]	- -	• •		
- 40	200	e5 >		> (		t 1			
¥	390	>		12 8	GND	'n	9		
99 LG - [With 2.0L turbo gasoline engine]	3C	٩.				9	8		
100 SHIELD -	40C	υ				2	8		
	4C	٩		Connector No. M141		00	8		
	50	•		Γ	OPTION CONNECTOR (TOTAL ILLUMINATION CONTROL UNITTORIVER	6	8		
Connector No. M133	90	. 0		Connector Name SIDE)		10			
Γ	22			Connector Type TH1 2000-NH	THE REPORT OF THE T	: :		,	
Connector Name FUSE BLOCK (J/B)	γ γ					1	,		
Т	αr S	: و		ଶୂ		14	2		
CONNECTOR TYPE TH40FW-NH	56	>				15	20		
Q						16	SB	- [With VR30 engine]	
				11.21	6 5 4 3 2 1	16	٢	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	
						17	SB	<ul> <li>[With VR30 engine]</li> </ul>	
H.S.					12 11 10 9 8 7	17	>	- [With 2.0L turbo gasoline engine]	
				-		18	SB	- [With VR30 engine]	
and have been the set of the base base base base base base base bas						18	>	- fM/ith 2 01 turbo gasoline engine	
				Terminal Calar Of		;;			
					Signal Name [Specification]	FT 00	,		
0.1				+		7			
				+	IGN	77	P	- [WITN VK3U engine]	
Wire				-	BAT	22	SB	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	
10C V -				3 R	TAIL_LAMP	23	LG	<ul> <li>[With VR30 engine]</li> </ul>	
12C L -				>	ROOM_LAMP_OUTPUT	23	SB	<ul> <li>[With 2.0L turbo gasoline engine]</li> </ul>	
L				5 LG	BATTERY_SAVER_OUTPUT	24	LG	<ul> <li>[With VR30 engine]</li> </ul>	
~					FR DOOR SW RH	24	SB	- [With 2.0L turbo gasoline engine]	
				^	FR_DOOR_SW_LH		;	[	
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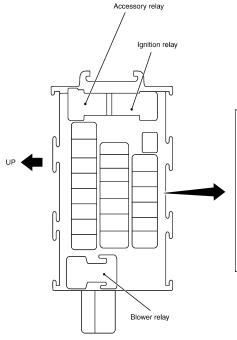
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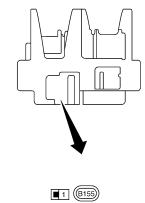
# FUSE BLOCK - JUNCTION BOX (J/B)

# Fuse, Connector and Terminal Arrangement

FUSE BLOCK-JUNCTION BOX (J/B) Fuse,Connector and Terminal Arrangement



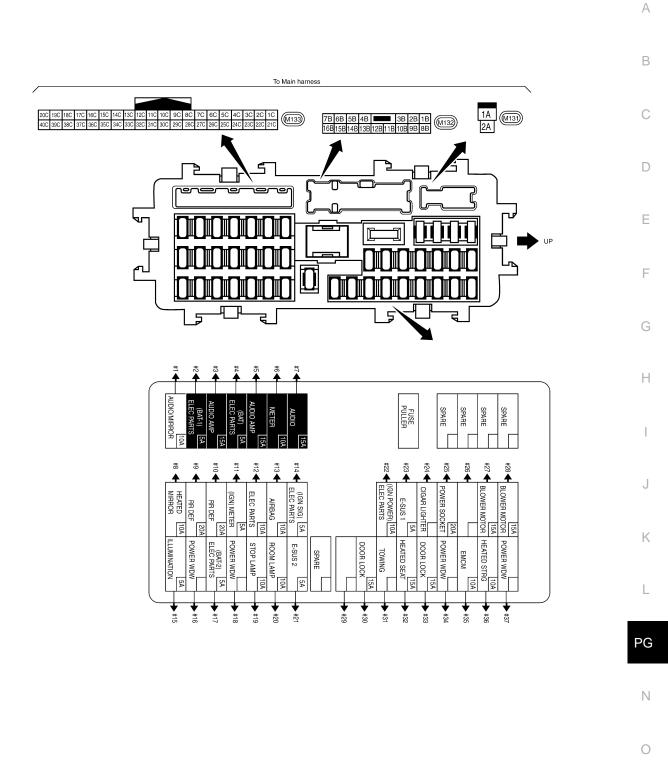
#95					#96		
#94		#87	10A	ELEC_B			
#93 10A	FUSE_MIRROR _AUDIO	#86	15A	FUSE_BOSE _AMP	#80		
#92		#85	10A	FUSE_ELEC_B	#79	10A	FUSE_METER
#91 30A	ACC	#84	15A	FUSE_AUDIO _B	#78	10A	FUSE_AT
#90		#83	10A	FUSE_AT _CONT	#77	10A	FUSE_ELEC_IG
#89 10A	FUSE_ILLUMI	#82	15A	FUSE_BOSE _AMP	#76		
#88		#81	10A	FUSE_PUSH _ENG_START	#75	10A	FUSE_VDC



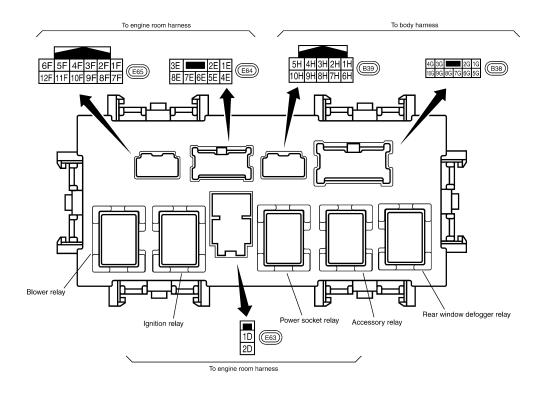
To body harness

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INFOID:000000012791639



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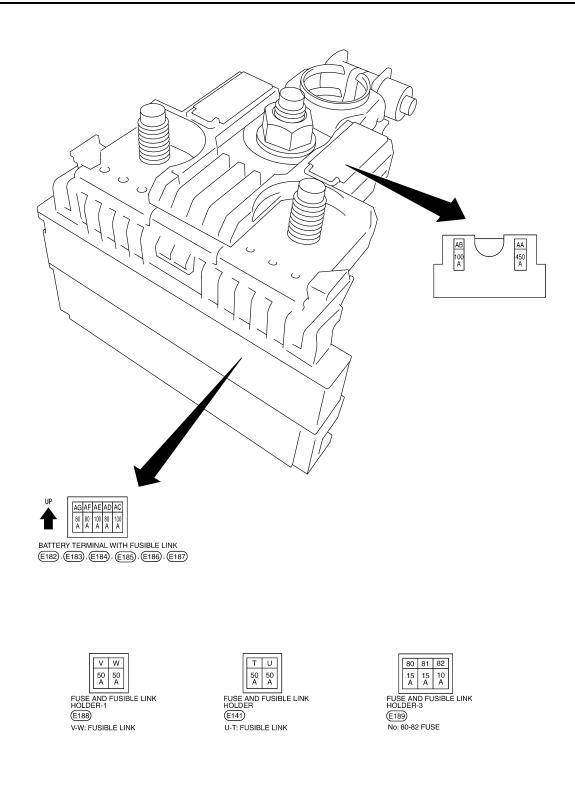
FUSE, FUSIBLE LINK AND RELAY BOX < WIRING DIAGRAM >	
FUSE, FUSIBLE LINK AND RELAY BOX	
Fuse and Fusible Link Arrangement	A INFOID:000000012791640
VR30DDTT	В
FUSE, FUSIBLE LINK AND RELAY BOX Fuse and Fusible Link Arrangement (VR ENGINE)	С
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Horn relay Cooling fan relay 1	G
Vehicle security horn relay	Н
G     H     I     J     K       60     100     100     100     (E46)	I
Image: Second state	J
65       66       67       68       69       70       71       72       73       74         10       15       10       10       10       10       10       20       10       15         A       A       A       A       A       A       A       A       A       A       A	К
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#### FUSE, FUSIBLE LINK AND RELAY BOX

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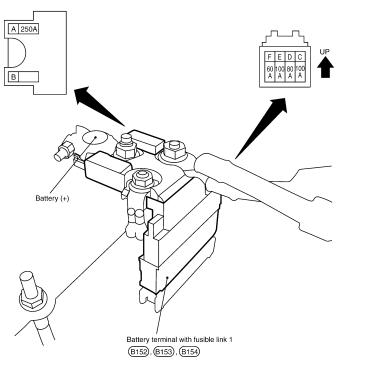
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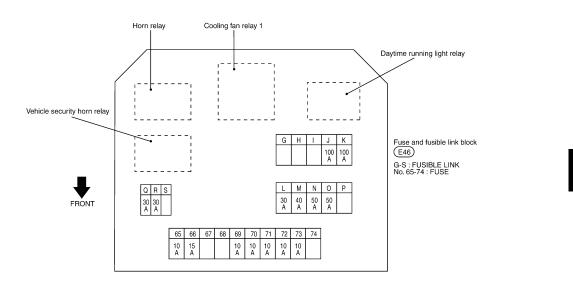
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#### 2.0 TURBO GASOLINE ENGINE

#### FUSE, FUSIBLE LINK AND RELAY BOX Fuse and Fusible Link Arrangement (2.0L TURBO GASOLINE ENGINE)





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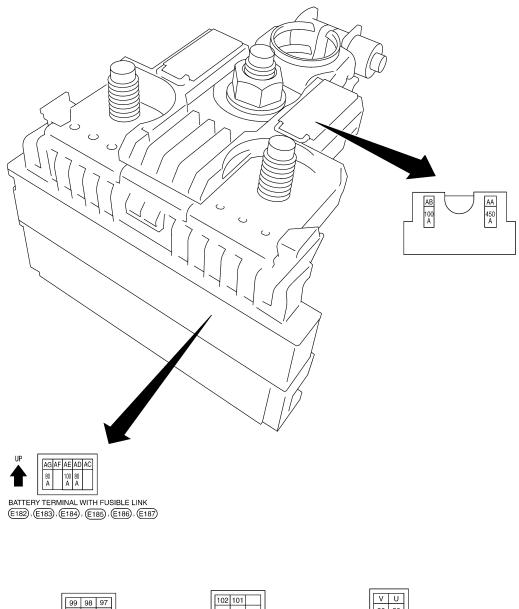
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#### FUSE, FUSIBLE LINK AND RELAY BOX

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 PUSE AND FUSIBLE LINK
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 No. 97-99:FUSE



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

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IPDM E/R ROOM)	(INTELLIGENT	POWER	DISTRIBUTION	MODULE	ENGINE	А
Fuse, Conne	ctor and Terminal	Arrangemer	nt		INFOID:000000012791641	В
VR30DDTT						
	E/R (INTELLIGENT PO Connector and Terminal		BUTION MODULE ENGI (VR ENGINE)	NE ROOM)		С
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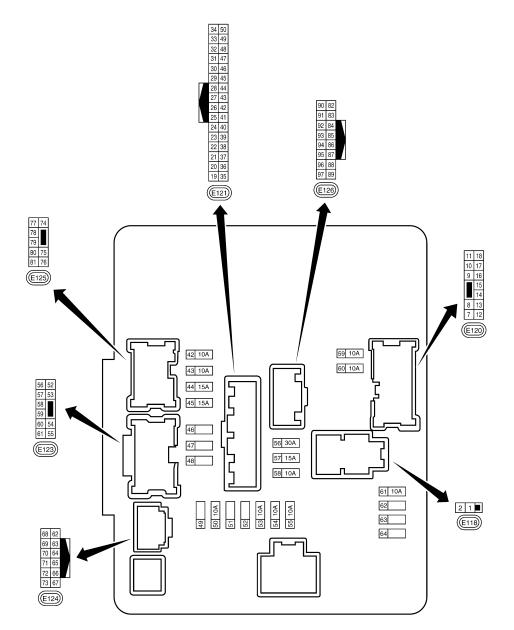
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# IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)

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#### 2.0 TURBO GASOLINE ENGINE

IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) Fuse, Connector and Terminal Arrangement (2.0L TURBO GASOLINE ENGINE)



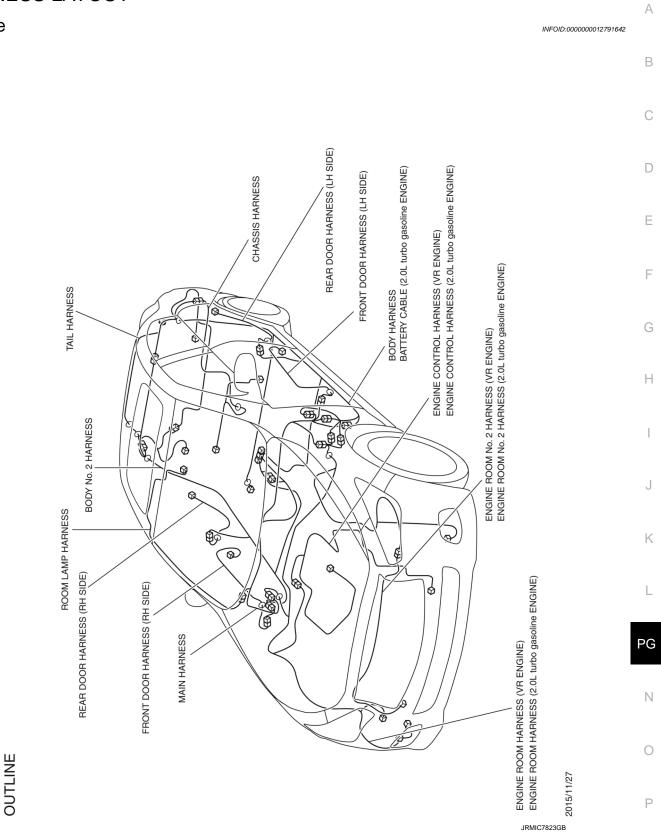
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# HARNESS LAYOUT

Outline

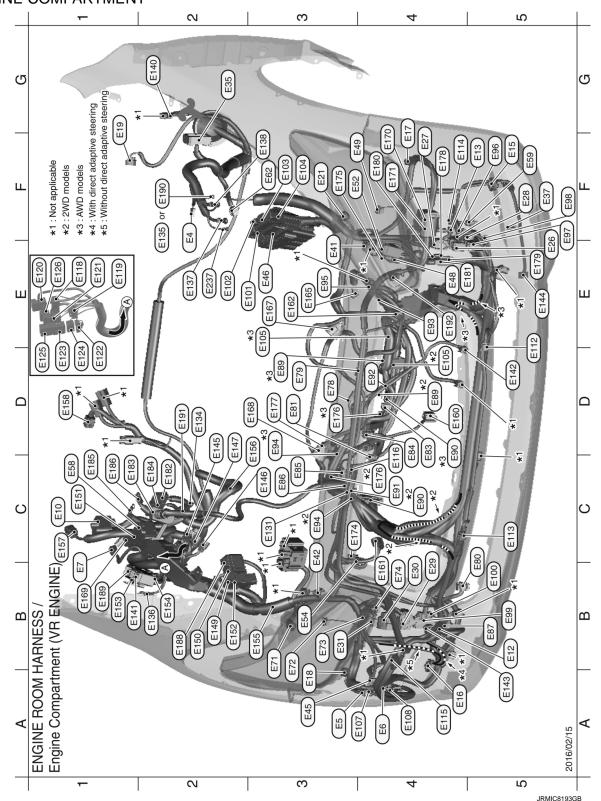


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Engine Room Harness (VR30DDTT)

INFOID:000000012791643

#### ENGINE COMPARTMENT



<ul> <li>WASHER PUMP</li> <li>WASHER PUMP</li> <li>WACUUM SENSOR</li> <li>HEADLAMP AIMING MOTOR RH</li> <li>HEADLAMP SWIVEL ACTUATOR RH</li> <li>HEADLAMP SWIVEL ACTUATOR RH</li> <li>VEHICLE SECURITY HORN</li> <li>VEHICLE SECURITY HORN</li> <li>VEHICLE SECURITY HORN</li> <li>HORN LOW</li> <li>ICC SENSOR</li> <li>I</li></ul>	
B/2 B/3 G/Y/3 B/1 B/1 B/1 B/1 B/1 B/1 B/1 B/1 B/1 B/1	
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E       GY2       : BRAKE FLUID LEVEL SWITCH         E       By2       : D       E(D)         E       By3       : BATTERY CURRENT SENSOR         EE       By3       : BATTERY CURRENT SENSOR         EE       By3       : D       E(D)         BY3       : FRONT TURN SIGNAL LAMP LH         ET       BY3       : FRONT TURN SIGNAL LAMP RH         ET       GY5       : FRONT TURN SIGNAL LAMP RH         EY5       : FRONT WIFER MOTOR       IH         E2       : STEERING ANGLE MAN CONTROL       IN         E2       : STEERING ANGLE MAN CONTROL MODULE       IN         E2       : STEERING ANGLE MAN CONTROL MODULE       IN         E2       : STEERING ANGLE MAN CONTROL MODULE       IN         E3       :	121
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Revision: November 2016

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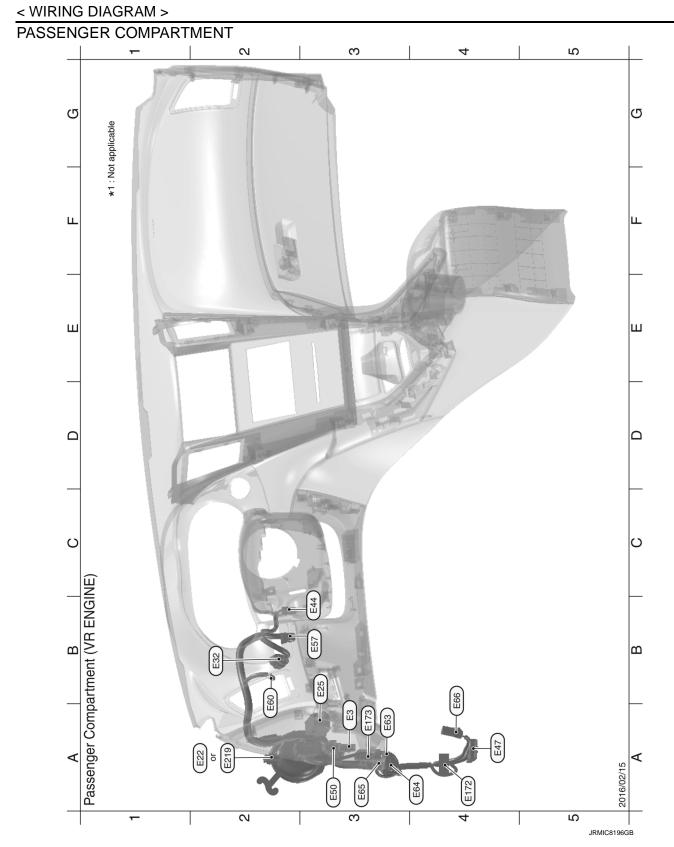
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2	3 8
<ul> <li>DAYTIME RUNNING LIGHT RELAY</li> <li>STEEENING ANGLE MAIN MOTOR</li> <li>To E5</li> <li>To E6</li> <li>CENTER SENSOR FRONT RH</li> <li>CENTER SENSOR FRONT RH</li> <li>CENTER SENSOR FRONT RH</li> <li>CORNER SENSOR FRONT RH</li> <li>FRONT CAMERA</li> <li>IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)</li> <li>IPDM E/R (INTELLIGEN</li></ul>	
B/12 B/12 B/12 B/3 B/3 B/3 B/3 B/1 W/12 W/12 W/12 W/12 W/12 W/12 B/1 W/12 C/12 W/12 B/1 C/12 C/12 C/12 C/12 B/12 B/12 B/12 B/12 B/12 B/12 B/3 B/3 B/3 B/3 B/3 B/3 B/3 B/3 B/3 B/3	B/8 B/6
P4, E3       F3         A       A         A       A         A       A         A       A         A       A         A       A         A       A         A       A         A       A         B       F         F       F         F       F         F       F         F       F         F       F         F       F         F       F         F       F         F       F         F       F         F       F         F       F         F       F         F       F         F       F         F       F         F       F         F       F         F       F         F       F         F       F         F       F         F       F         F       F         F       F         F       F         F       F	

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Battery terminal with Fusible Link Battery Terminal with Fusible Link Battery Terminal with Fusible Link Battery Terminal with Fusible Link Fuse and Fusible Link Holder - 1 Fuse and Fusible Link Holder - 3 Body Ground Hood Switch Body Ground Body Ground Body Ground	К
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<ul> <li>BATTERY TERMI</li> <li>BATTERY TERMI</li> <li>BATTERY TERMI</li> <li>BATTERY TERMI</li> <li>BATTERY TERMI</li> <li>FUSE AND FUSI</li> <li>FUSE AND FUSI</li> <li>FUSE AND FUSI</li> <li>PODY GROUND</li> <li>BODY GROUND</li> <li>BODY GROUND</li> </ul>	PG
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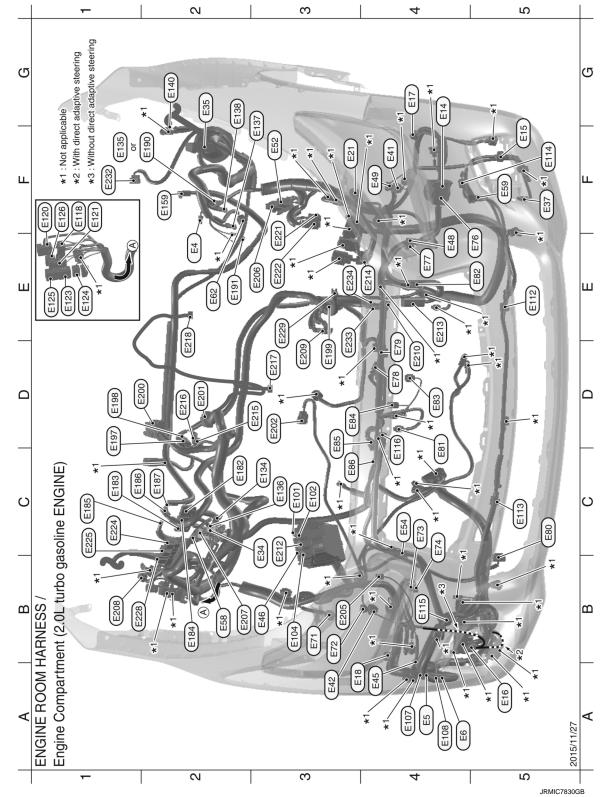
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#### Engine Room Harness (2.0 TURBO GASOLINE ENGINE)

INFOID:000000013359062

#### ENGINE COMPARTMENT



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E       GV2       BAKE FLUID LEVEL SWITCH         A       E       B       P       E       E         A       E       B       P       E       E         A       E       B       P       E       E         A       E       B       P       E       E         A       E       B       P       E       E         B       P       F       F       E       E         B       P       F       F       F       E         A       E       F       F       F       F       F         A       E       F       F       F       F       F       F         A       E       F       F       F       F       F       F       F       F       F       F       F       F       F       F       F       F       F       F       F       F       F       F       F       F       F       F       F       F       F       F       F       F       F       F       F       F       F       F       F       F       F       F       F       F <td< td=""><td></td></td<>	

Revision: November 2016

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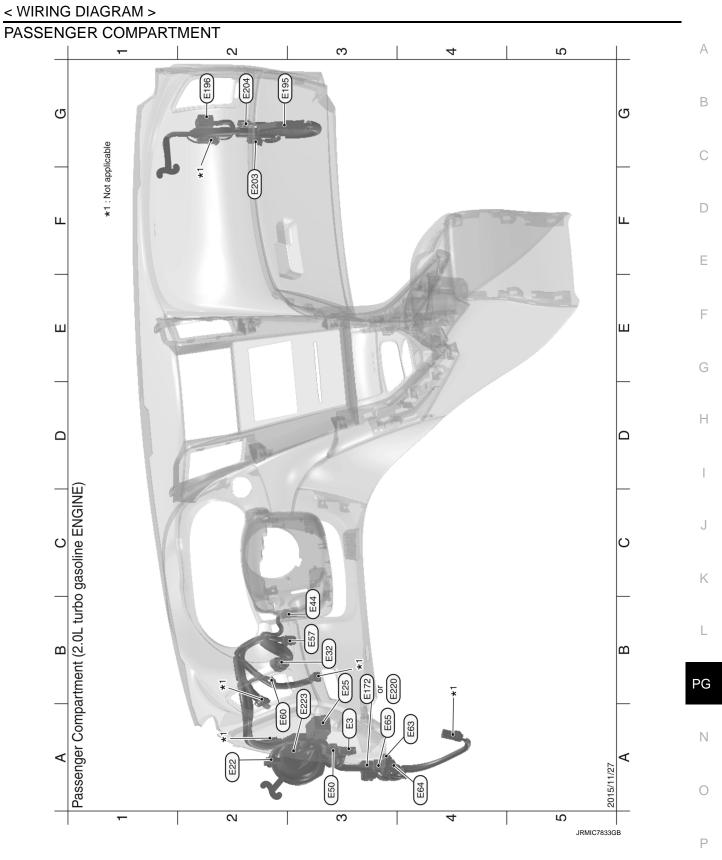
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#### BATTERY TERMINAL WITH FUSIBLE LINK : BATTERY TERMINAL WITH FUSIBLE LINK : BATTERY TERMINAL WITH FUSIBLE LINK BATTERY TERMINAL WITH FUSIBLE LINK : POWER STEERING CONTROL MODULE : POWER STEERING CONTROL MODULE : MAIN BATTERY CURRENT SENSOR : COOLING FAN CONTROL MODULE : ENGINE RESTART BYPASS RELAY : FUSE AND FUSIBLE LINK BLOCK EVAP PURGE CONTROL VALVE : FUEL PRESSURE SENSOR : DRIVING LAMP RELAY : STARTER MOTOR STARTER RELAY : AWD SOLENOID : BODY GROUND **BODY GROUND** : BODY GROUND DGY/10 : A/T ASSEMBLY : EMCM RELAY E198 E197 : To (F151) : To E216 (E215) : ECM . To Po Ъ . . GY/2 GY/1 BR/2 B/58 B/8 B/6 B/1 B/8 B/3 B/8 B/8 B/8 4 L/4 B/4 . , ï E190 E210 E182 E184 E185 E186 E187 E191 E197 E198 E199 E200 E201 E202 E205 E206 E207 E208 E209 E212 E213 E214 E216 E218 E159 E215 E217 E222] E183 E221 2015/11/27 F2 C1 C2 B2 555 F2 E2 D1 D3 D3 D3 D3 B2 B3 B1 D3 D4 S E4 E4 D3 D2 D3 D2 EЗ Ш

: FUSE_FL_BOX_1	: FUSE_FL_BOX_2	: MAIN RELAY	: ALTERNATOR	: FRONT WIPER MOTOR	: ENGINE RESTART BYPASS RELAY	: ENGINE RESTART BYPASS RELAY
	,	,		GY/5		
E224	E225	E228	E229	E232	E233	E234
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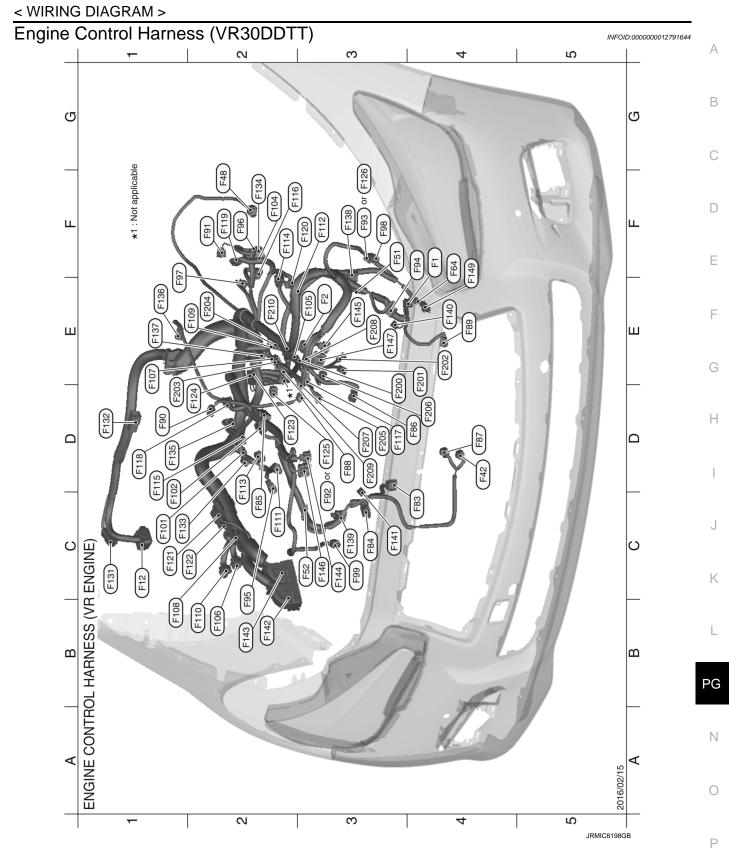


: BRAKE PEDAL POSITION SWITCH : BRAKE PEDAL STROKE SENSOR : CHASIS CONTROL MODULE : PARKING BRAKE SWITCH : JOINT CONNECTOR-E05 : JOINT CONNECTOR-E06 : JOINT CONNECTOR-E01 : JOINT CONNECTOR-E07 : STOP LAMP SWITCH : FUSE BLOCK (J/B) : FUSE BLOCK (J/B) : FUSE BLOCK (J/B) : RESISTOR 1 : RESISTOR 2 : To M146 : To (M40) : To B10 To (B33) . . W/100 BR/28 GY/28 W/24 W/24 W/12 W/46 B/24 B/28 B/4 L/2 W/6 W/4 W/1 B/2 W/8 27 L/2 E195 E196 E204 E220 E223 E32 E44 E50 E57 E E64 E65 E172 E203 E25 Ee3 E22 Ш A3 A2 B3 B3 C3 A3 B3 A2 A4 A3 A3 A3 G2 G2 G2 G2 G2 G2 B3 B3

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To       F203         To       F204         To       F204         To       F204         Endition Coll. No. 1 (WITH POWER TRANSISTOR)         IGNITION COLL No. 2 (WITH POWER TRANSISTOR)         IGNITION COLL No. 3 (WITH POWER TRANSISTOR)         IGNITION COLL No. 6 (WITH POWER TRANSISTOR)         IGNIT CONNECTOR-FOR         JOINT CONNECTOR-FOR	
B/8 B/6 B/6 B/12 B/12 GY/3 GY/3 GY/3 B/6 B/6 B/24 B/24 B/24 B/24 B/24 B/24 B/24 B/24	
) 3 3 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
1       : COMPRESSOR       E1         10       : ATTASSEMBLY       B1         2       : To       E10         2       : To       E10         2       : AWD SOLENOID       E2         3       : AWD SOLENOID       E3         5       : ENGINE GROUND       E3         5       : ENGINE GROUND       E3         6       : AWD SOLENOID       E3         7       : ENGINE GROUND       E3         8       : AUE SOLENOID       E3         9       : ALTERNATOR       E3         6       : COMPRESSOR       E3         8       : COMPRESSOR       D3         9       : COMPRESSOR       D3         9       : COMPRESSOR       D3         20       : COMPRESSOR       D3         21       : ENGINE COLLANT TEMPERATURE SENSOR 1       D1         22       : ENGINE COLLANT TEMPERATURE SENSOR 1       D1         23       : ENGINE COLLANT TEMPERATURE SENSOR 1       D1         24       : : 1URBOCHARGER BOOST SENSOR (BANK 1)       E3         25       : ENGINE OIL TEMPERATURE SENSOR (BANK 2)       C1         24       : : : 1URBOCHARGER BOOST SENSOR (BANK 2)       <	
B/2 B/52 B/52 B/85 B/8 B/8 C/2 B/3 C/2 B/3 C/2 B/4 C/2 B/4 C/2 B/4 B/4 B/4 B/4 B/4 B/4 B/4 B/4 B/4 B/4	
MINUTER CONTRACT CONT	2016/02/15 31996B

<ul> <li>GY/4 : TURBOCHARGER SPEED SENSOR (BANK 2)</li> <li>GY/4 : TURBOCHARGER SPEED SENSOR (BANK 1)</li> <li>GY/86 : ECM</li> <li>BR/86 : ECM</li> <li>BR/86 : ELECTRIC INTAKE VALVE TIMING CONTROL MOTOR (BANK 1)</li> <li>B/3 : ELECTRIC INTAKE VALVE TIMING CONTROL MOTOR (BANK 2)</li> </ul>	<ul> <li>B/6 : ELECTRIC INTAKE VALVE TIMING CONTROL POSITION SENSOR (BANK 1)</li> <li>B/6 : ELECTRIC INTAKE VALVE TIMING CONTROL POSITION SENSOR (BANK 2)</li> <li>GY/1 : STARTER MOTOR</li> <li>L/4 : To (F105)</li> <li>G/2 : KNOCK SENSOR</li> <li>G/2 : KNOCK SENSOR</li> <li>G/2 : KNOCK SENSOR</li> <li>B/8 : To (F107)</li> <li>B/8 : To (F107)</li> <li>B/8 : To (F107)</li> <li>B/6 : To (F107)</li> <li>GY/2 : FUEL INJECTOR No. 1</li> <li>GY/2 : FUEL INJECTOR No. 2</li> <li>GY/2 : FUEL INJECTOR No. 2</li> <li>GY/2 : FUEL INJECTOR No. 3</li> </ul>		
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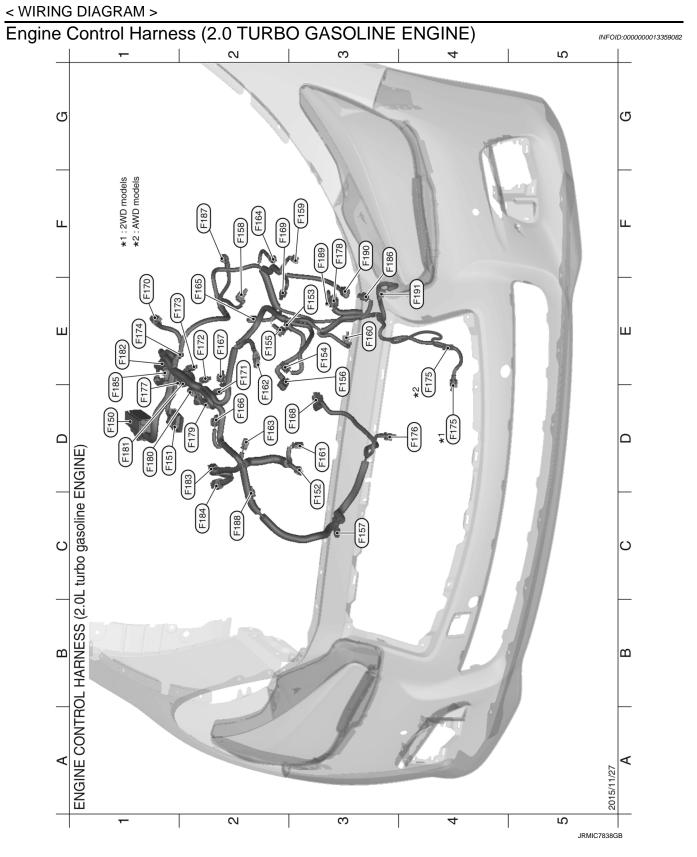
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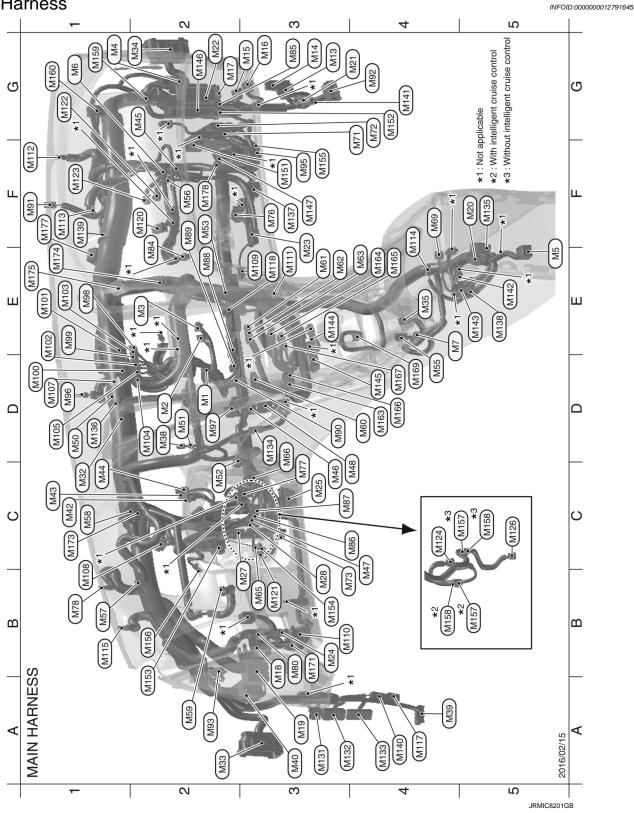
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No.1 No.3 No.3 No.4 No.4 No.4 No.4 No.4 No.4 No.4 No.4	D
<ul> <li>IGNITION COIL No.1</li> <li>IGNITION COIL No.2</li> <li>IGNITION COIL No.3</li> <li>IGNITION COIL No.4</li> <li>IGNITION COIL No.4</li> <li>IEATED OXYGEN SENSOR</li> <li>HEATED OXYGEN SENSOR 1</li> <li>FUEL PRESSURE AND,</li> <li>PRESUBRE SENSOR UPSTREAM OF THROTTLE VAL</li> <li>PRESUBRE SENSOR DOWNSTREAM OF THROTTLE</li> <li>PRESUBRE SENSOR DOWNSTREAM OF AIR FILTER</li> <li>STARTER MOTOR</li> <li>ALTERNATOR</li> <li>COMPRESSOR</li> </ul>	E
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## < WIRING DIAGRAM >

## Main Harness



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: COMBINATION SWITCH (SPIRAL CABL COMBINATION SWITCH (SPIRAL CABL : REMOTE KEYLESS ENTRY RECEIVER : INSIDE KEY ANTENNA (INSTRUMENT : INSIDE KEY ANTENNA (CONSOLE) : DRIVER ASSISTANCE BUZZER : DISPLAY CONTROL UNIT FRONT SQUAWKER RH : FRONT SQUAWKER LH : BACK-UP LAMP RELAY : CENTER SQUAWKER : CIRCUIT BREAKER : OPTICAL SENSOR : BODY GROUND **BODY GROUND BODY GROUND** : A/C AUTO AMP. : A/C AUTO AMP. : A/C AUTO AMP. : To B59 To (M155) : To E66 : RESISTOR : BUZZER GY/9 W/12 W/16 W/16 BR/2 W/24 W/40 BR/2 W/40 GY/2 BR/2 GY/2 BR/2 W/2 77 W/4 W/3 L/4 W/2 W/4 B/4 B/1 . . ï M103 E3 (M118) 2016/02/15 M88 M89 06W M91 M92 (M93 M95 96M M97 86M 66W M100 M101 M102 M104 M105 M107 M108 M109 M110 M113 M114 M86 M112 M85 M117 M87 M111 G3 Ш С С 

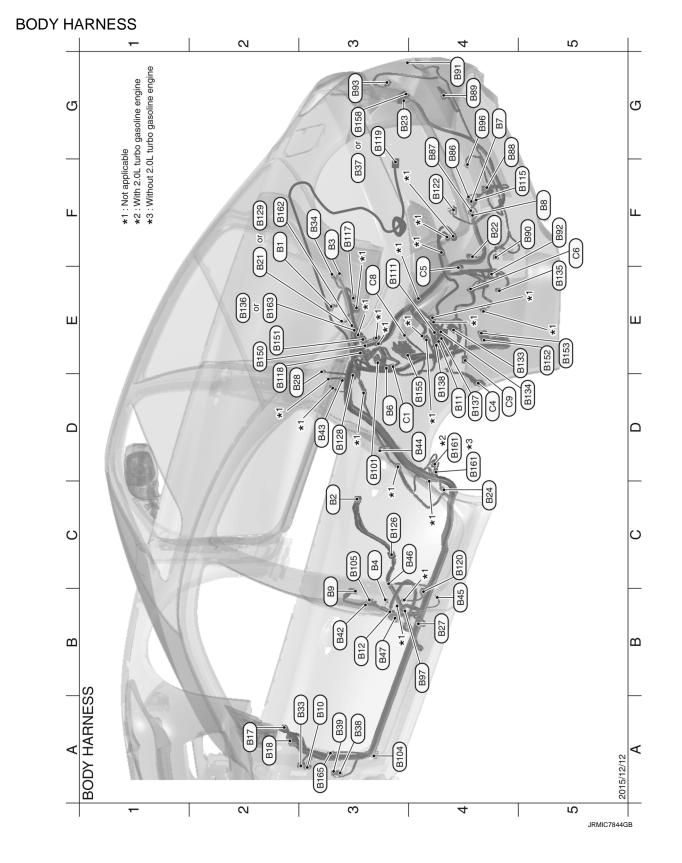
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## < WIRING DIAGRAM >

# **Body Harness**

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<ul> <li>WIGI</li> <li>To B</li> <li>To B</li> <li>CENTER SENSOR REAR LH</li> <li>B3</li> <li>CENTER SENSOR REAR RH</li> <li>B3</li> <li>CENTER SENSOR REAR RH</li> <li>B3</li> <li>CORNER SENSOR REAR RH</li> <li>B3</li> <li>CORNER SENSOR REAR RH</li> <li>B4</li> <li>SIDE RADAR LH</li> <li>B6</li> <li>SIDE RADAR HH</li> <li>GYIS</li> <li>CONTEROL UNIT (DRIVER SIDE)</li> <li>GYIS</li> <li>FUEL LEVEL SENSOR NUT AND FUEL PUMP (MAIN)</li> <li>E B0DY GROUND</li> <li>W14</li> <li>JOINT CONNECTOR-B03</li> <li>JOINT CONNECTOR-B04</li> <li>JOINT CONNECTOR-B03</li> <li>JOINT CONNECTOR-B04</li></ul>	
4 2 2 2 2 2 3 4 2 4 5 5 1 2 1 2 2 4 5 5 4 4 5 1 4 5 1 4 5 1 4 5 1 4 5 1 4 5 1 4 5 1 4 5 1 4 5 1 4 5 1 4 5 1 4 5 1 4 5 1 4 5 1 4 5 1 4 5 1 5 1	
W24       : ADAS CONTROL UNIT         FY22       : AIR BAG DIAGNOSIS SENSOR UNIT         W16       : To         W1       : SEAT BELT BUCKLE SWITCH (DRIVER SIDE)         W16       : To         W112       : To         W16       : To         W112       : To         W113       : To         W16       : To         W116       : To         W116       : To         W16       : To         W17	
F7       F7 <td< td=""><td></td></td<>	

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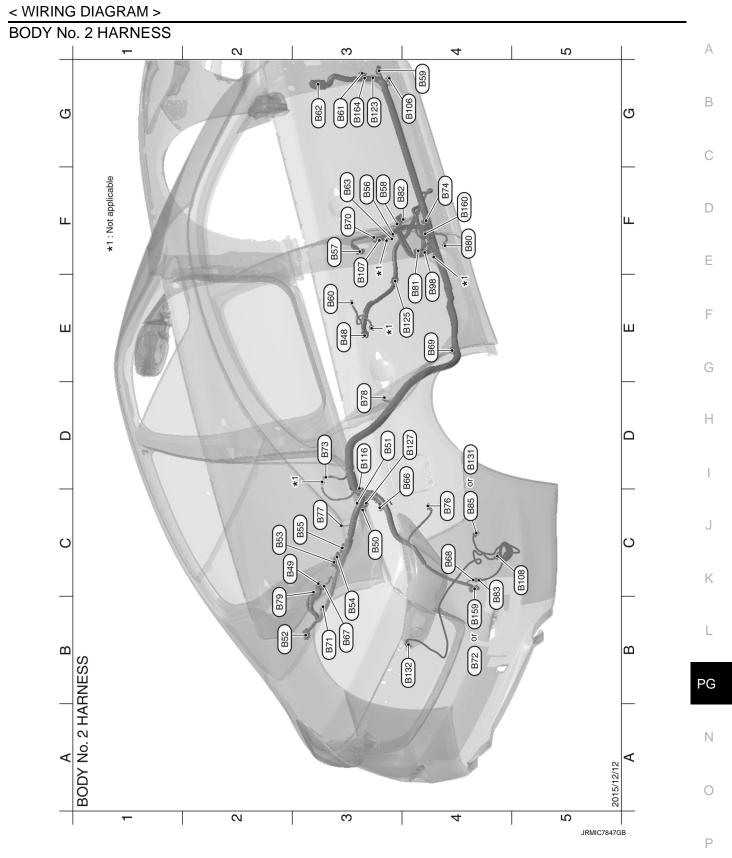
: SUB ELECTRIC OIL PUMP RELAY	: IGNITION RELAY	: BFT_24380_8991A	: BATTERY TERMINAL WITH FUSIBLE LINK 1	: FUSU BLOCK (J/B)	: To (B159)	: FUEL LEVEL SENSOR UNIT (SUB)	: FUSE AND FUSIBLE LINK HOLDER - 4	: SHIFT LOCK RELAY	: KICKING PLATE LAMP LH	: To B6	: HEIGHT SENSOR	: REAR WHEEL SENSOR RH	: REAR WHEEL SENSOR LH	: SUB BATTERY RELAY	: DYNAMIC DIGITAL SUSPENSION (RL)
	L/4	BR/2	GY/2	1/M	W/16	W/5		L/4	W/3	W/16	B/6	GY/2	B/2	W/4	B/2
B150	B151	B152	B153	B155	B158	B161	B162	B163	B165	G	60	GS	Ű	ß	ß
E2	E2	E5	E5	D4	G3	D4,D4	F2	E2	A3	D3	D4	E4	F5	E3	D4

සිසි	W/4 : SUB BATTERY RELAY	B/2 : DYNAMIC DIGITAL SUSPENSION (RL)
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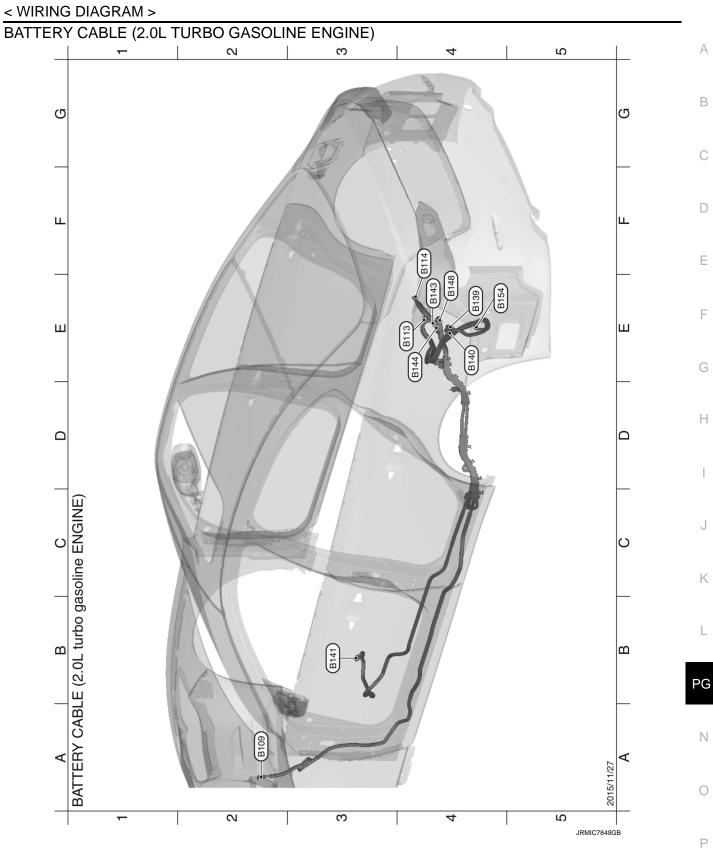
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<ul> <li>E4 (B81) Y/2 : SEAT BELT PRE-TENSIONER RH</li> <li>F3 (B82) Y/2 : SIDE AIR BAG MODULE RH</li> <li>C4 (B83) W/6 : To (B68)</li> <li>C4 (B85) B/2 : EVAP CANISTER VENT CONTROL VALVE</li> </ul>	B98 (000 000 000 000 000 000 000 000 000 0	F3 (B107) - : BODY GROUND C5 (B108) GY/3 : EVAP CONTROL SYSTEM PRESSURE SENSOR	B125 W/4	D4     (B127)     G/20     : JOINT CONNECTOR-B03       D4     (B131)     B/2     : EVAP CANISTER VENT CONTROL VALVE       R4     (B132)     1/3     : FIJEL TANK PRESSURE SENSOR	B159 W/16 W/4 W/4	B164					
<ul> <li>E3 (B48) FY/22 : AIR BAG DIAGNOSIS SENSOR UNIT</li> <li>C2 (B49) W/32 : ACTIVE NOISE CONTROL UNIT</li> <li>C3 (B50) W/40 : AROUND VIEW MONITOR CONTROL UNIT</li> <li>D3 (B51) W/32 : AROUND VIEW MONITOR CONTROL UNIT</li> </ul>	B52         W/16         : To         B3           B53         BR/14         : BOSE AMP.	B3 (B54) BR/23 : BOSE AMP C3 (B55) W/40 : BOSE AMP F3 (B56) W/4 : GAT BEIT BLICKLE CWITCH (PASSENICED SIDE)	B58 W/16	G4 (B59) W/16 : To (M92) E3 (B60) W/16 : To (M20) G3 (B61) W/24 : To (M20)	B62 W/100 To CC	B65         W/16         To         T48           B67         W/2         : TRUNK ROOM L	C4 B68 W/6 : To B83 E4 B69 Y/2 : C-PILLAR SATELLITE SENSOR RH E3 B70 W/1 - EPONT POOR SWITCH (PASCENDER SIDE)	B71 GY/2	D3 (B73) Y/2 : CUFTAIN AIR BAG MODULE RH F4 (B74) Y/2 : B-PILLAR SATELLITE SENSOR RH C4 (B76) W/4 : FUEL FILLER LID LOCK ACTUATOR	C3 BT7 BR/2 : SATELLITE SPEAKER RH D3 B78 W/4 : REAR DOOR SWITCH RH B2 B79 W/2 : REAR WOOFER E4 RAN OR/0 - 1 AP PRE-TENSIONER RH	16/01/21 . LAP PRE-TENSI



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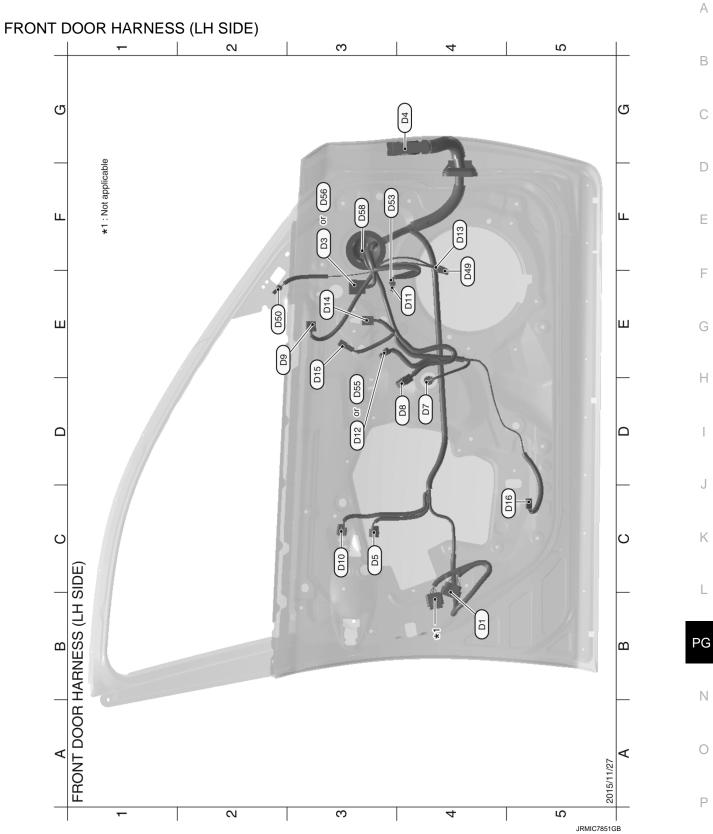
: BATTERY TERMINAL WITH FUSIBLE LINK 1 : BATTERY TERMINAL WITH FUSIBLE LINK SUB ELECTRIC OIL PUMP INVERTER : SUB ELECTRIC OIL PUMP INVERTER SUB BATTERY RELAY SUB BATTERY RELAY B142 B144 B147 B143 ₽ .. ₽ .. ъ Б ъ Б W/10 W/4 B/2 L/2 B/3 W/4 , ï . ï B114 B139 B140 B141 B144 B148 B154 B109 B113 B143

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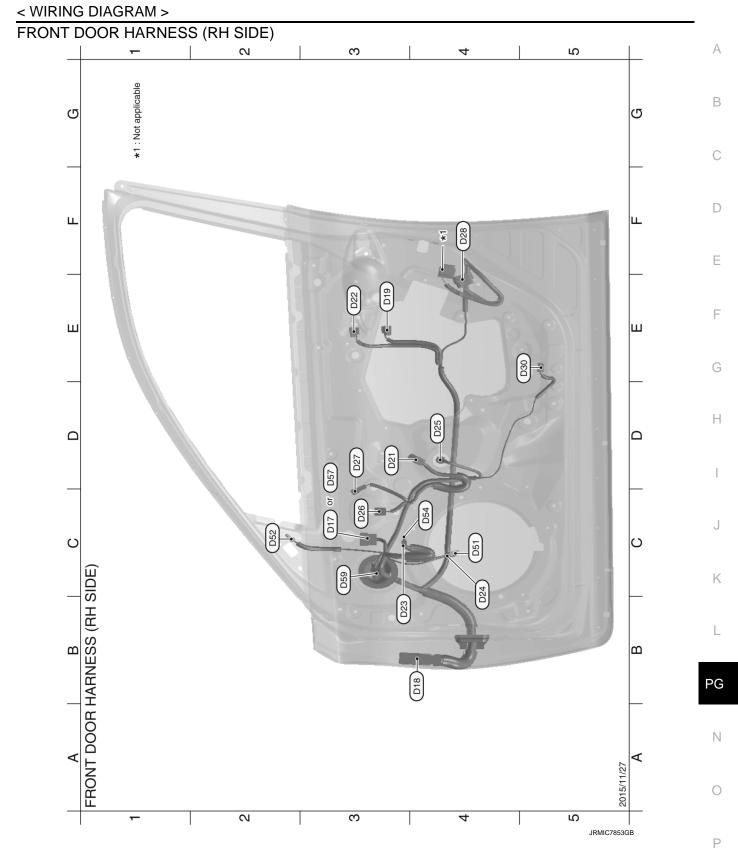
# Door Harness

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: POWER WINDOW MAIN SWITCH (DOOR MIRROR REMOTE CONTROL SWITCH) POWER WINDOW MAIN SWITCH(DOOR MIRROR REMOTE CONTROL SWITCH) BLIND SPOT WARNING/BLIND SPOT INTERVENTION INDICATOR LH : FRONT ONE TOUCH UNLOCK SENSOR ASSEMBLY (DRIVER SIDE) : FRONT OUTSIDE HANDLE ASSEMBLY (DRIVER SIDE) : FRONT POWER WINDOW MOTOR (DRIVER SIDE) : FRONT DOOR LOCK ASSEMBLY (DRIVER SIDE) FRONT DOOR SATELLITE SENSOR LH : POWER WINDOW MAIN SWITCH DOOR MIRROR (DRIVER SIDE) : DOOR MIRROR (DRIVER SIDE) : FRONT DOOR SQUAWKER LH : FRONT DOOR SQUAWKER LH : FRONT DOOR SPEAKER LH STEP LAMP (DRIVER SIDE) FRONT DOOR WOOFER LH : SEAT MEMORY SWITCH : JOINT CONNECTOR-D01 : TWEETER LH To M33 . . . . GY/6 W/16 W/16 BR/2 W/12 W/24 W/72 GY/4 BR/2 W/12 W/24 BR/2 B/4 7/W W/2 Υ/2 W/4 W/2 W/2 W/6 D16 D10 D11 D12 D13 D14 D15 D49 D50 D53 D58 66 D56 D5 6 8 D55 5 DЗ 5 B4 G 45 E3 Б Д Д Д Д Д C3 E4 D3 F4 E3 E3 C5 E4 E2 F3 F3 F3 F3

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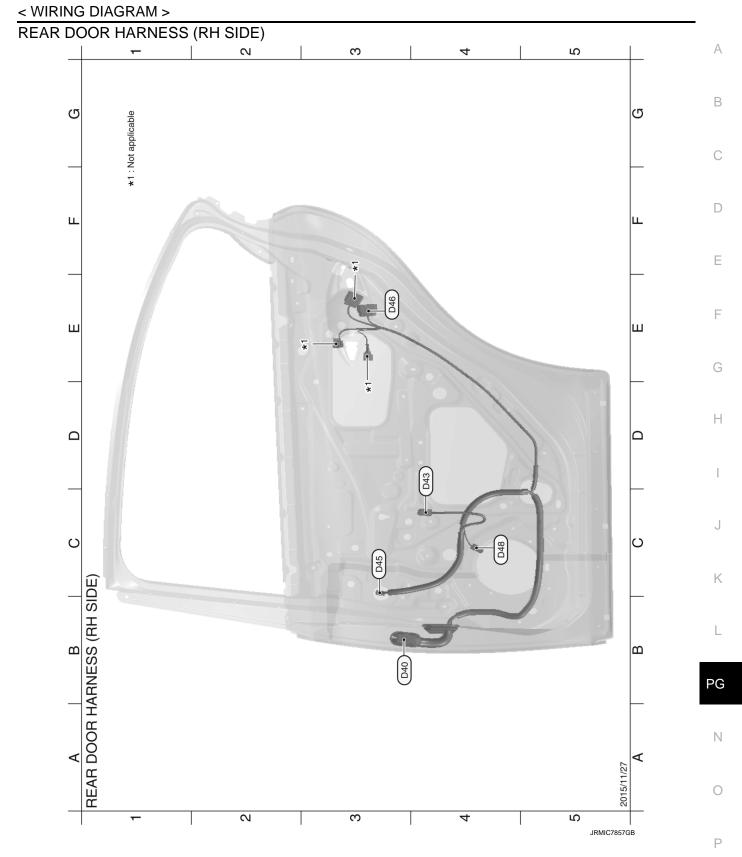


: FRONT ONE TOUCH UNLOCK SENSOR ASSEMBLY (PASSENGER SIDE) BLIND SPOT WARNING/BLIND SPOT INTERVENTION INDICATOR RH FRONT OUTSIDE HANDLE ASSEMBLY (PASSENGER SIDE) : FRONT POWER WINDOW SWITCH (PASSENGER SIDE) FRONT POWER WINDOW MOTOR (PASSENGER SIDE) FRONT DOOR LOCK ASSEMBLY (PASSENGER SIDE) FRONT DOOR SATELLITE SENSOR RH : DOOR MIRROR (PASSENGER SIDE) : DOOR MIRROR (PASSENGER SIDE) STEP LAMP (PASSENGER SIDE) FRONT DOOR SQUAWKER RH FRONT DOOR SQUAWKER RH : FRONT DOOR SPEAKER RH : FRONT DOOR WOOFER RH : JOINT CONNECTOR-D02 **TWEETER RH** M34 Ъ BR/2 W/24 W/72 W/16 GY/4 W/2 GY/6 BR/2 BR/2 W/24 B/4 V/7Υ/2 W/4 W/2 W/2 W/6 D24 D28 D19 D21 023 D27 D51 D25 D26 D54 D59 017 D22 D57 D52 D18 З B4 E3 D3 E3 B3 C4 C3 C3 C3 E5 C4 C4 C4 C3 D3 C4 C3

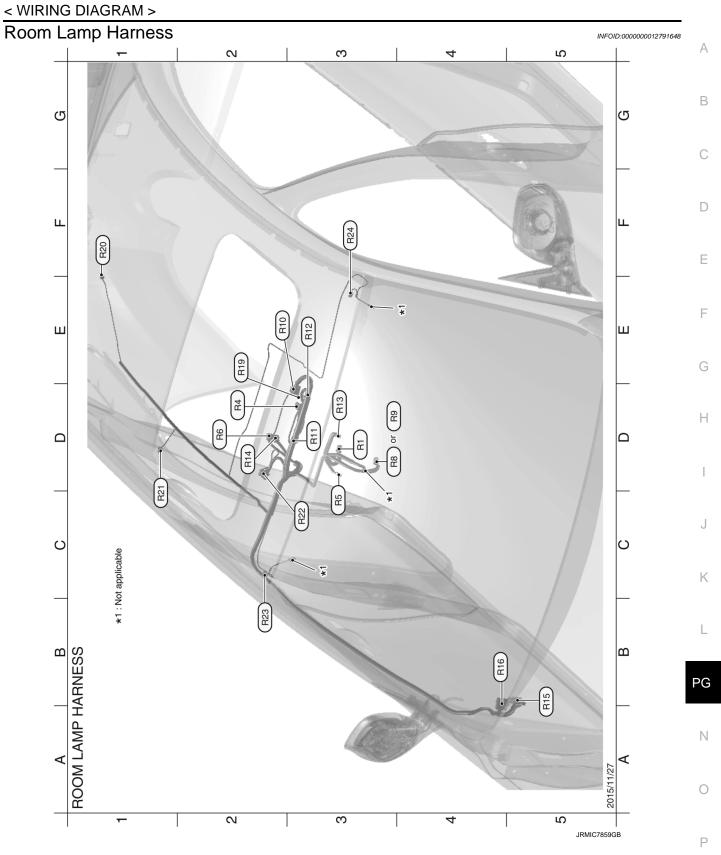
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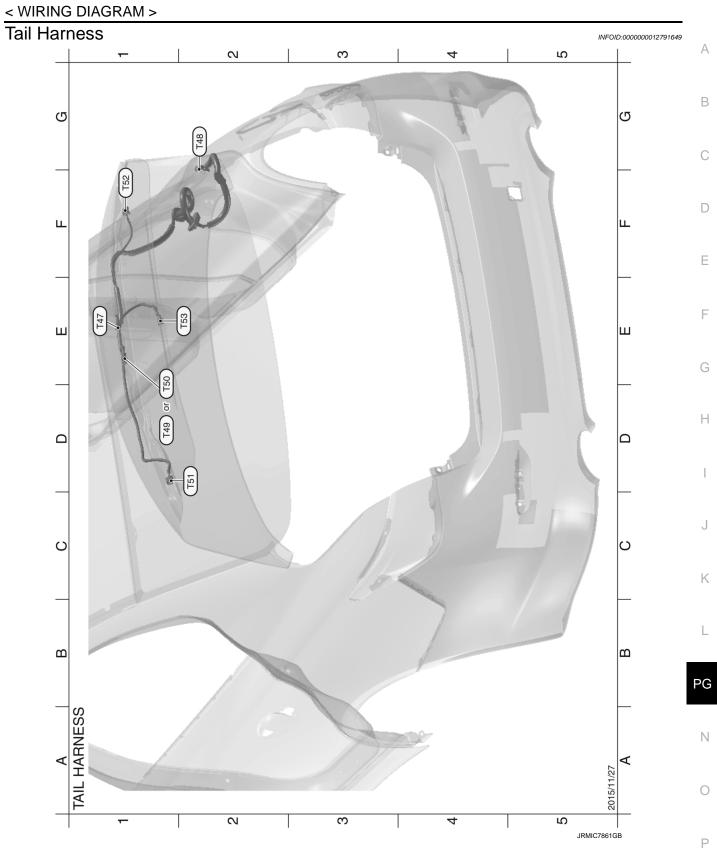






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: TRUNK LID OPENER REQUEST SWITCH ASSEMBLY	: To B66	: REAR VIEW CAMERA	: REAR CAMERA	: REAR COMBINATION LAMP LH (TRUNK LID SIDE)	: REAR COMBINATION LAMP RH (TRUNK LID SIDE)	: TRUNK LID LOCK ASSEMBLY
W/4	W/16	W/4	W/8	W/4	W/4	W/3
T47	T48	T49	T50	T51	T52	(T53)
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# BASIC INSPECTION BATTERY INSPECTION

## VR30DDTT

VR30DDTT : How to Handle Battery

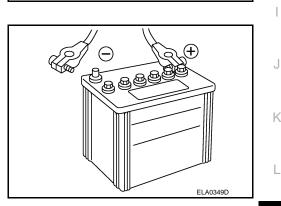
#### **CAUTION:**

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

#### METHODS OF PREVENTING OVER-DISCHARGE

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

- The battery surface (particularly its top) should always be kept clean and dry.
- The terminal connections should be clean and tight.
- At every routine maintenance, check the electrolyte level. This also applies to batteries designated as "low maintenance" and "maintenance-free".
- When the vehicle is not going to be used over a long period of time, disconnect the battery cable from the negative terminal. (If the vehicle has an extended storage fuse switch, turn it off.)



Keep clean and dry.

99<sup>69</sup>

## VR30DDTT : Work Flow

## 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. А

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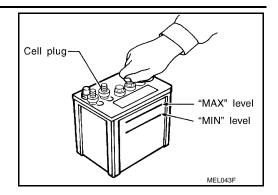
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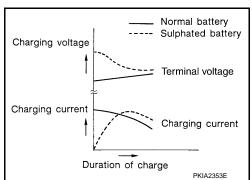
#### < BASIC INSPECTION >

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



#### SULPHATION

- A battery will be completely discharged if it is left unattended for a long time and the specific gravity will become less than 1.100. This may result in sulphation on the cell plates.
- To determine if a battery has been "sulphated", note its voltage and current when charging it. As shown in the figure, less current and higher voltage are observed in the initial stage of charging sulphated batteries.
- A sulphated battery may sometimes be brought back into service by means of a long, slow charge, 12 hours or more, followed by a battery capacity test.



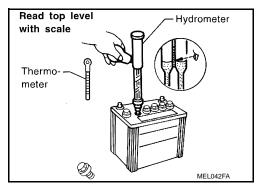
Specific Gravity Check

#### NOTE:

Check the charge condition of the battery.

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

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



Hydrometer Temperature Correction
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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

#### < BASIC INSPECTION >

Battery electrolyte temperature [°C (°F)]	Add to specific gravity reading
4 (40)	-0.016
-1 (30)	-0.020
-7 (20)	-0.024
-12 (10)	-0.028
-18 (0)	-0.032

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

## Charging The Battery

#### **CAUTION:**

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

Charging Rates (Standard Charge)

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

Charging Rates (Quick Charge)

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

#### NOTE:

The ammeter reading on your battery charger will automatically decrease as the battery charges. This indi-Ρ cates 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. 2.0L TURBO GASOLINE ENGINE

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#### < BASIC INSPECTION >

## 2.0L TURBO GASOLINE ENGINE : How to Handle Battery

#### MAIN BATTERY

#### **CAUTION:**

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

Methods of preventing over-discharge

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

- The battery surface (particularly its top) should always be kept clean and dry.
- The terminal connections should be clean and tight.
- At every routine maintenance, check the electrolyte level. This also applies to batteries designated as "low maintenance" and "maintenance-free".
- When the vehicle is not going to be used over a long period of time, disconnect the battery cable from the negative terminal. (If the vehicle has an extended storage fuse switch, turn it off.)



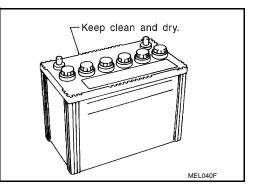
#### **CAUTION:**

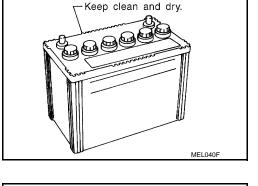
- If it becomes necessary to start the engine with a booster battery and jumper cables, use a 12-volt booster battery.
- After connecting battery cables, ensure that they are tightly clamped to battery terminals for good contact.

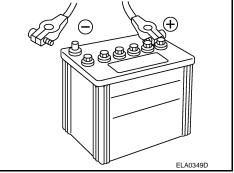
Methods of preventing over-discharge

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.

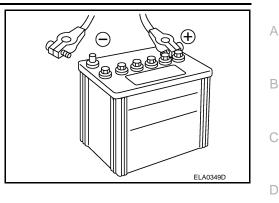






#### < BASIC INSPECTION >

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

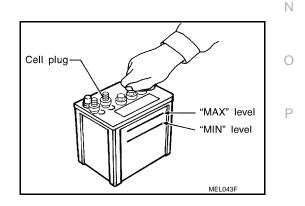


2.0L TURBO GASOLINE ENGINE : Work Flow	34
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1.CHECK BATTERY (USE CONSULT)	
Check the battery, using CONSULT. Refer to EC4-961, "Diagnosis Procedure".	F
Is the check result normal?	
<ul> <li>YES &gt;&gt; GO TO 2.</li> <li>NO &gt;&gt; Replace battery. Refer to <u>PG-261, "2.0L TURBO GASOLINE ENGINE : Removal and Installa</u> tion".</li> </ul>	<u>-</u> G
2.CHECK BATTERY (USE EXP-800 NI OR GR8-1200 NI)	н
Check the battery, using EXP-800 NI OR GR8-1200 NI.	
Is the check result normal?	
<ul> <li>YES &gt;&gt; INSPECTION END (The battery is normal.)</li> <li>NO &gt;&gt; Replace battery. Refer to <u>PG-261, "2.0L TURBO GASOLINE ENGINE : Removal and Installa tion"</u>.</li> </ul>	Ŀ
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	J
<ul> <li>GR8-1200 NI Multitasking battery and electrical diagnostic station</li> <li>NOTE:</li> <li>Refer to the applicable instruction manual for proper battery diagnosis procedures.</li> </ul>	К
BATTERY DIAGNOSIS WITHOUT EXP-800 NI OR GR8-1200 NI Check Electrolyte Level	L

#### WARNING:

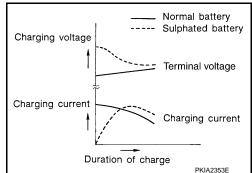
Never allow battery fluid to come in contact with skin, eyes, fabrics, or painted surfaces. After touching a battery, never touch or rub your eyes until you have thoroughly washed your hands. If acid contacts eyes, skin or clothing, immediately flush with water for 15 minutes and seek medical attention.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



#### < BASIC INSPECTION >

- 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.



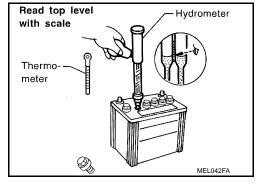
Specific Gravity Check

#### 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.



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

Hydrometer Temperature Correction

#### < BASIC INSPECTION >

Corrected specific gravity	Approximate charge condition
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 D 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)

Fully charged	Charge current (A)	Charge time (h)	
, ,	6	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 condi- tion	Charge current (A)	Charge time (h)	
Fully charged		—	
3/4 charged	16		
1/2 charged		0.5	
1/4 charged	32	0.5	
Almost discharged			
Completely discharged	_	—	

Uneck the battery, using CONSULT. Refer to EC

Is the check result normal?

- YES >> GO TO 2.
- >> Replace battery. Refer to PG-261, "2.0L TURBO GASOLINE ENGINE : Removal and Installa-NO tion".

2.CHECK BATTERY (USE EXP-800 NI OR GR8-1200 NI)

Check the battery, using EXP-800 NI OR GR8-1200 NI.

#### Is the check result normal?

- YES >> INSPECTION END (The battery is normal.)
- >> Replace battery. Refer to PG-261, "2.0L TURBO GASOLINE ENGINE : Removal and Installa-NO tion".

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#### < BASIC INSPECTION >

#### 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.

CAUTION:

#### For gas leakage, remove the 12V battery from the vehicle to charge in a well-ventilated area.

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

Check the Battery Indicator

Check the indicator placed at the top of battery to judge the battery state. If the battery state is "CHARGING NECESSARY" charge the battery according to "Charging The Battery".

#### NOTÉ:

If indicator is hard to check, remove battery from vehicle.

INDICATOF	R CONDITION
ОК	Blue
CHARGING NECESSARY REPLACE	White Red Red White
	JSMIA0838GB

## Charging The Battery

#### CAUTION:

- For gas leakage, remove the battery from the vehicle to charge in a well-ventilated area.
- There are two charging methods: Quick charging and standard charging.
   "Standard charging" is used for recovering the state of charge.
   "Quick charging" restores the battery to the state capable of engine start and the R
- "Quick charging" restores the battery to the state capable of engine start and the READY state.
- 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.
- While charging the battery, maintain 12V battery temperature as follows: Standard charging: 45 °C (113 °F) or less Quick charging: 55 °C (131 °F) or less
- Maintain charging voltage at 15 V or less during battery charge.

Charging Rates (Standard Charge)

Approximate charge condi- tion	Charge current (A)	Charge time (h)	
Fully charged		2	
3/4 charged	5	2.5	
1/2 charged		5	
1/4 charged		7.5	
Almost discharged		9	
Completely discharged		10	
Charging Rates (Quick Charge)			
Approximate charge condi- tion	Charge current (A)	Charge time (h)	
Fully charged	—	—	
3/4 charged	13		
1/2 charged		0.5	
1/4 charged	26	0.5	
Almost discharged			
Completely discharged	_	_	

# **BATTERY INSPECTION**

### < BASIC INSPECTION >

### NOTE:

- The battery indicator shows "OK" at the completion of battery charging.
- 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.

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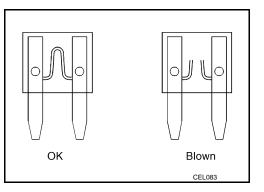
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### < BASIC INSPECTION >

# FUSE INSPECTION

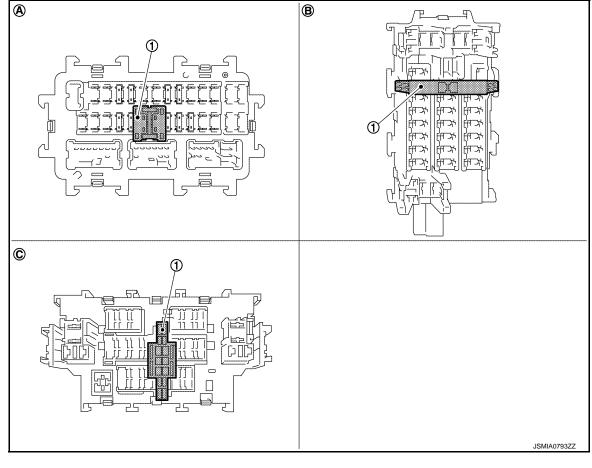
# How To Check

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



### EXTENDED STORAGE FUSE SWITCH (IF EQUIPPED)

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



(1) Extended storage fuse switch

A Type A

Туре С

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Remove the extended storage fuse switch if it causes the interference when checking fuses.

How To Extended Storage Fuse Switch ON/OFF

### **CAUTION:**

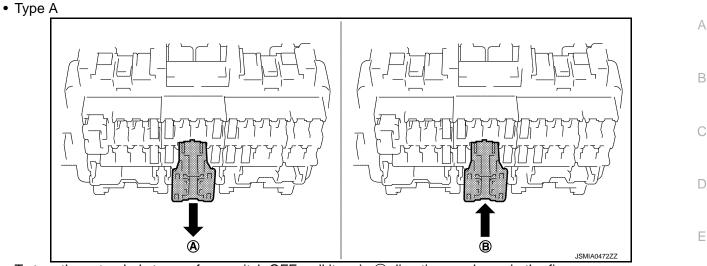
• Turn the ignition switch OFF when operating the extended storage fuse switch.

(B) Type B

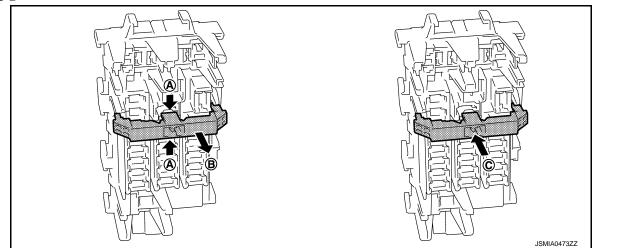
• Under normal conditions, keep the extended storage fuse switch in ON state. Never operate the extended storage fuse switch except when necessary.

INFOID:000000012791652

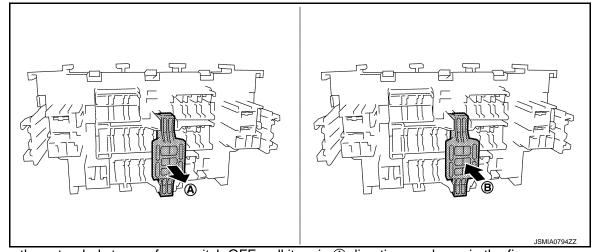
### < BASIC INSPECTION >



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



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



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

How To Remove Extended Storage Fuse Switch

Туре А

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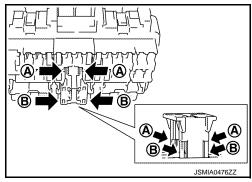
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### < BASIC INSPECTION >

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



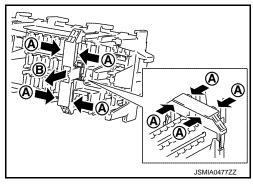
### **CAUTION:**

# Never use fuse for bus bar. NOTE:

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

#### Туре В

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



### **CAUTION:**

# Never use fuse for bus bar. NOTE:

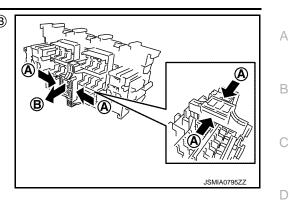
- Extended storage fuse switch and bus bar may be removed together. Remove bus bar from extended storage fuse switch, if necessary.
- Install removed bus bar to fuse block.
- Extended storage fuse switch is for transportation and storage. Reinstallation is not required after the removal.

### Туре С

- 1. Turn the ignition switch OFF.
- 2. Turn the extended storage fuse switch OFF.

### < BASIC INSPECTION >

3. Hold (A) and pull up the extended storage fuse switch hard in (B) direction.



### **CAUTION:**

# Never use fuse for bus bar. NOTE:

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

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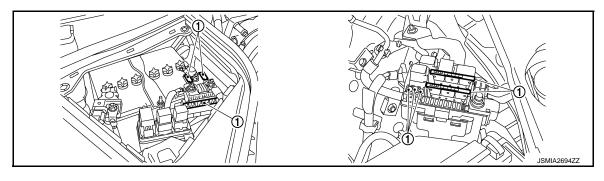
< BASIC INSPECTION >

# FUSIBLE LINK INSPECTION VR30DDTT

### VR30DDTT : How To Check

INFOID:000000013389226

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

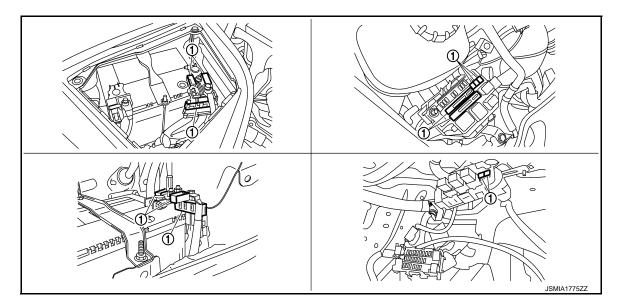
### CAUTION:

- 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.
- 2.0L TURBO GASOLINE ENGINE

### 2.0L TURBO GASOLINE ENGINE : How To Check

INFOID:000000013389149

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

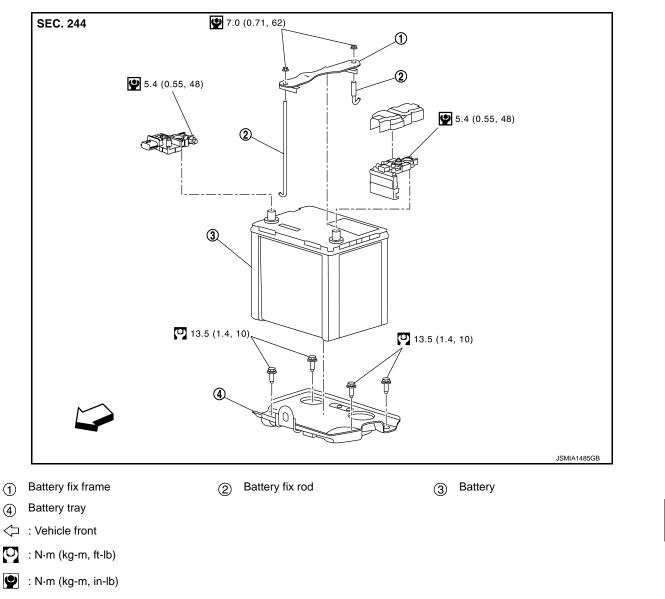
### **CAUTION:**

- 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.

## BATTERY

# < REMOVAL AND INSTALLATION > **REMOVAL AND INSTALLATION** BATTERY VR30DDTT

# VR30DDTT : Exploded View



# VR30DDTT : Removal and Installation

# REMOVAL

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(4)

- Remove cowl top cover RH. Refer to EXT-27, "Removal and Installation". 1.
- Disconnect the battery cable from the negative terminal. Refer to PG-5, "Precautions for Removing Bat-2. tery Terminal" and PG-259, "VR30DDTT : Exploded View". **CAUTION:**

# To prevent damage to the parts, disconnect the battery cable from the negative terminal first.

- 3. Remove cover of battery positive terminal.
- Disconnect the battery cable from the positive terminal. 4.
- Remove battery fix frame mounting nuts and battery fix frame. 5.

# **PG-259**

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# BATTERY

### < REMOVAL AND INSTALLATION >

- 6. Remove battery.
- 7. Remove battery tray mounting bolts and battery tray.

### INSTALLATION

Install in the reverse order of removal.

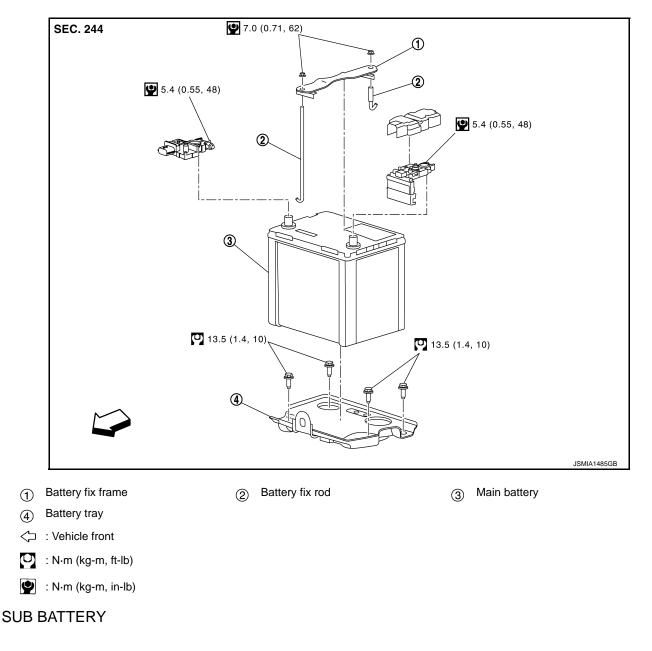
### CAUTION:

When connecting, connect the battery cable to the positive terminal first. Reset electronic systems as necessary. Refer to <u>GI-131</u>, "ADDITIONAL SERVICE WHEN REMOVING BAT-<u>TERY NEGATIVE TERMINAL</u> : Required Procedure After Battery Disconnection". 2.0L TURBO GASOLINE ENGINE

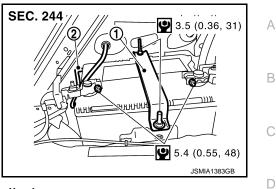
## 2.0L TURBO GASOLINE ENGINE : Exploded View

INFOID:000000013389167

### MAIN BATTERY



- (1) : Battery fix frame
- (2) : Battery vent tube
- O : N·m (kg-m, in-lb)



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# 2.0L TURBO GASOLINE ENGINE : Removal and Installation

### REMOVAL

### Main battery

- 1. Remove cowl top cover RH. Refer to EXT-27, "Removal and Installation".
- F Disconnect the battery cable from the negative terminal. Refer to PG-5. "Precautions for Removing Bat-2. tery Terminal" and PG-260, "2.0L TURBO GASOLINE ENGINE : Exploded View". CAUTION:

#### To prevent damage to the parts, disconnect the battery cable from the negative terminal first. Remove cover of battery positive terminal.

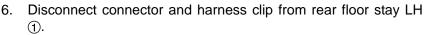
- Disconnect the battery cable from the positive terminal.
- Remove battery fix frame mounting nuts and battery fix frame. 5.
- 6. Remove main battery.
- 7. Remove battery tray mounting bolts and battery tray.

### Sub Battery

- Remove trunk side finisher LH. Refer to <u>INT-53, "TRUNK SIDE FINISHER : Removal and Installation"</u>.
- 2. Remove battery vent tube (1).
- Disconnect the battery cable from the negative terminal. Refer 3. to PG-5, "Precautions for Removing Battery Terminal" and PG-260, "2.0L TURBO GASOLINE ENGINE : Exploded View". **CAUTION:**

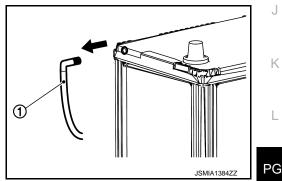
### To prevent damage to the parts, disconnect the battery cable from the negative terminal first.

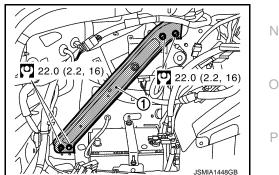
- 4. Remove cover of battery positive terminal.
- 5. Disconnect the battery cable from the positive terminal.



I : N·m (kg-m, ft-lb)

7. Remove rear floor stay LH mounting bolt and nuts to rear floor stay LH.





- Remove battery fix frame mounting nut to remove battery fix frame. 8.
- Remove sub battery. 9.

### INSTALLATION

# BATTERY

### < REMOVAL AND INSTALLATION >

#### Main Battery

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 <u>GI-131, "ADDITIONAL SERVICE WHEN REMOVING BAT-</u> <u>TERY NEGATIVE TERMINAL : Required Procedure After Battery Disconnection"</u>.

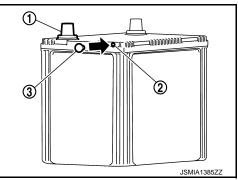
Sub Battery

Install in the reverse order of removal.

### CAUTION:

To install the sub battery, carefully read the following instructions.

- If an exhaust cap is not included in the replaced sub battery, install an exhaust cap ③ to the exhaust hole ② on the positive terminal ① side to prevent gas leakage in the vehicle.
- To prevent gas leakage in vehicle, securely install the battery vent tube to the sub battery.
- After removing the battery vent tube from the vehicle, reinstall the sub battery vent tube securely to the exhaust port on the vehicle side (body member) to discharge gas filled in the sub battery to the outside of the vehicle.
- To prevent damage to the parts, connect the battery cable to the positive terminal first.



• After connecting battery cables, to securely supply battery voltage, ensure that they are tightly clamped to battery terminals for good contact.

• To securely supply battery voltage, check battery terminal for poor connection caused by corrosion. Reset electronic systems as necessary. Refer to <u>GI-131</u>, "ADDITIONAL SERVICE WHEN REMOVING BAT-TERY NEGATIVE TERMINAL : Required Procedure After Battery Disconnection".

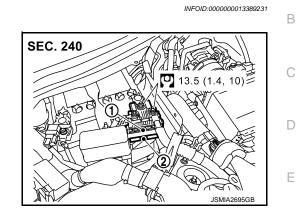
# **BATTERY TERMINAL WITH FUSIBLE LINK**

< REMOVAL AND INSTALLATION >

# BATTERY TERMINAL WITH FUSIBLE LINK VR30DDTT

# VR30DDTT : Exploded View

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



### VR30DDTT : Removal and Installation

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INFOID:000000013389175

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### REMOVAL

1. Remove hoodledge cover RH. Refer to EXT-27, "Removal and Installation".

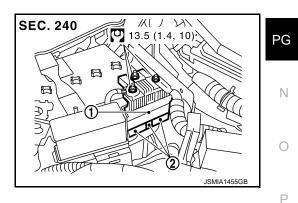
2.	Disconnect the battery cable from the negative terminal. Refer to <u>PG-5</u> , " <u>Precautions for Removing Battery Terminal</u> " and <u>PG-259</u> , " <u>VR30DDTT</u> : <u>Exploded View</u> ". CAUTION: To prevent damage to the parts, disconnect the battery cable from the negative terminal first.	Н		
	Remove cover of battery positive terminal. Remove harness mounting nuts and battery terminal with fusible link mounting nut. Disconnect harness connector and remove battery terminal with fusible link.	I		
INS Ins CA	INSTALLATION Install in the reverse order of removal. CAUTION: When connecting, connect the battery cable to the positive terminal first.			

2.0L TURBO GASOLINE ENGINE

# 2.0L TURBO GASOLINE ENGINE : Exploded View

### MAIN BATTERY

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

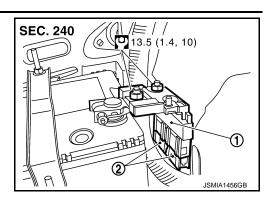


### SUB BATTERY

# **BATTERY TERMINAL WITH FUSIBLE LINK**

### < REMOVAL AND INSTALLATION >

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



# 2.0L TURBO GASOLINE ENGINE : Removal and Installation

INFOID:000000013389176

### REMOVAL

### Main Battery

- 1. Remove hoodledge cover RH. Refer to EXT-27, "Removal and Installation".
- Disconnect the battery cable from the negative terminal. Refer to <u>PG-5</u>. "Precautions for Removing Battery Terminal" and <u>PG-260</u>, "2.0L TURBO GASOLINE ENGINE : Exploded View".
   CAUTION:

### To prevent damage to the parts, disconnect the battery cable from the negative terminal first.

- 3. Remove cover of battery positive terminal.
- 4. Remove harness mounting nut and battery terminal with fusible link mounting nut.
- 5. Disconnect harness connector and remove battery terminal with fusible link.

### Sub Battery

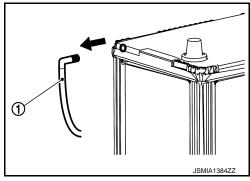
- 1. Remove trunk side finisher LH. Refer to INT-53, "TRUNK SIDE FINISHER : Removal and Installation".
- 2. Remove battery vent tube ①.
- Disconnect the battery cable from the negative terminal. Refer to <u>PG-5</u>, "<u>Precautions for Removing Battery Terminal</u>" and <u>PG-</u> <u>260</u>, "2.0L TURBO GASOLINE ENGINE : Exploded View". CAUTION: To prevent damage to the parts\_disconnect the battery
  - To prevent damage to the parts, disconnect the battery cable from the negative terminal first.
- 4. Remove cover of battery positive terminal.
- 5. Remove harness mounting nut and battery terminal with fusible link mounting nut.
- Disconnect harness connector and remove battery terminal with fusible link.

### INSTALLATION

Install in the reverse order of removal.

### CAUTION:

To prevent damage to the parts, connect the battery cable to the positive terminal first.

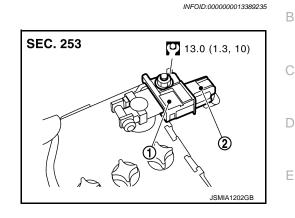


### < REMOVAL AND INSTALLATION >

# BATTERY CURRENT SENSOR VR30DDTT

## VR30DDTT : Exploded View

- Battery current sensor (With battery temperature sensor)
- (2) : Harness connector
- : N·m (kg-m, ft-lb)



# VR30DDTT : Removal and Installation

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### REMOVAL

- 1. Remove hoodledge cover RH. Refer to EXT-27, "Removal and Installation".
- Disconnect the battery cable from the negative terminal. Refer to <u>PG-5</u>, "<u>Precautions for Removing Bat-tery Terminal</u>" and <u>PG-259</u>, "<u>VR30DDTT</u>: <u>Exploded View</u>".
- 3. Disconnect the battery current sensor connector.
- 4. Remove the battery current sensor mounting nut.
- 5. Remove the battery current sensor from battery cable.

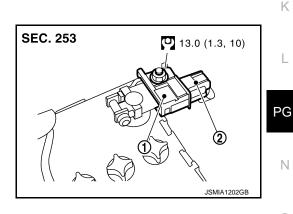
### INSTALLATION

Install in the reverse order of removal. 2.0L TURBO GASOLINE ENGINE

# 2.0L TURBO GASOLINE ENGINE : Exploded View

### MAIN BATTERY

- Battery current sensor (With battery temperature sensor)
- (2) : Harness connector
- : N·m (kg-m, ft-lb)



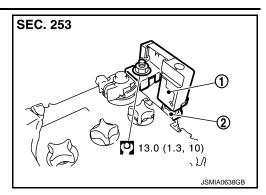
SUB BATTERY

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# **BATTERY CURRENT SENSOR**

# < REMOVAL AND INSTALLATION >

- Battery current sensor (With battery temperature sensor)
- (2) : Harness connector
- 😐 : N·m (kg-m, ft-lb)



# 2.0L TURBO GASOLINE ENGINE : Removal and Installation

INFOID:000000013389211

### REMOVAL

Main Battery

- 1. Remove hoodledge cover RH. Refer to EXT-27, "Removal and Installation".
- 2. Disconnect the battery cable from the negative terminal. Refer to <u>PG-5</u>, "<u>Precautions for Removing Bat-</u> tery Terminal" and <u>PG-260</u>, "2.0L TURBO GASOLINE ENGINE : Exploded View".
- 3. Disconnect the battery current sensor connector.
- 4. Remove the battery current sensor mounting nut.
- 5. Remove the battery current sensor from battery cable.

### Sub Battery

- 1. Remove trunk side finisher LH. Refer to INT-53, "TRUNK SIDE FINISHER : Removal and Installation".
- 2. Disconnect the battery cable from the negative terminal. Refer to <u>PG-5</u>, "<u>Precautions for Removing Battery Terminal</u>" and <u>PG-260</u>, "2.0L TURBO GASOLINE ENGINE : Exploded View".
- 3. Disconnect the battery current sensor connector.
- 4. Remove the battery current sensor mounting nut.
- 5. Remove the battery current sensor from battery cable.

### **INSTALLATION**

Install in the reverse order of removal.

# SERVICE DATA AND SPECIFICATIONS (SDS)

## < SERVICE DATA AND SPECIFICATIONS (SDS)

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# Battery

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### VR30DDTT

Туре		Q-85	
20 hour rate capacity	[V – Ah]	12 - 62	
Cold cranking current (For reference value)	[A]	600	
2.0L TURBO GASOLINE ENGINE			
Main Battery			
Туре		S-95	
20 hour rate capacity	[V – Ah]	12 – 75	
Cold cranking current (For reference value)	[A]	780	
Sub Battery			
Туре		Q-85-MF	
20 hour rate capacity	[V – Ah]	12 - 62	
Cold cranking current (For reference value)	[A]	600	

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