

SECTION **HRN**
HORN

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PRECAUTIONS

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PRECAUTION

PRECAUTIONS

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

INFOID:000000013051704

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

WARNING:

Always observe the following items for preventing accidental activation.

- To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision that would result in air bag inflation, all maintenance must be performed by an authorized NISSAN/INFINITI dealer.
- Improper maintenance, including incorrect removal and installation of the SRS, can lead to personal injury caused by unintentional activation of the system. For removal of Spiral Cable and Air Bag Module, see "SRS AIR BAG".
- Never use electrical test equipment on any circuit related to the SRS unless instructed to in this Service Manual. SRS wiring harnesses can be identified by yellow and/or orange harnesses or harness connectors.

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

WARNING:

Always observe the following items for preventing accidental activation.

- When working near the Air Bag Diagnosis Sensor Unit or other Air Bag System sensors with the ignition ON or engine running, never use air or electric power tools or strike near the sensor(s) with a hammer. Heavy vibration could activate the sensor(s) and deploy the air bag(s), possibly causing serious injury.
- When using air or electric power tools or hammers, always switch the ignition OFF, disconnect the battery, and wait at least 3 minutes before performing any service.

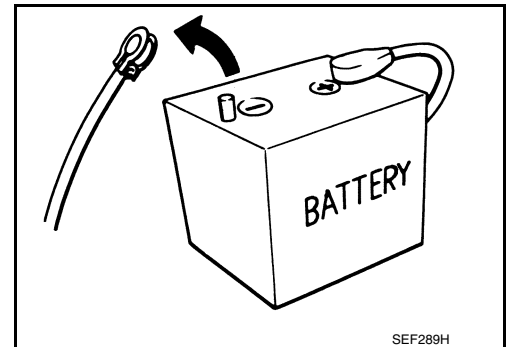
Precautions for Removing Battery Terminal

INFOID:000000013051752

When disconnecting the battery terminal, pay attention to the following.

- Always use a 12V battery as power source.
- Never disconnect battery terminal while engine is running.
- When removing the 12V battery terminal, turn OFF the ignition switch and wait at least 30 seconds.
- For vehicles with the engine listed below, remove the battery terminal after a lapse of the specified time:

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



NOTE:

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

- After high-load driving, if the vehicle is equipped with the V9X engine, turn the ignition switch OFF and wait for at least 15 minutes to remove the battery terminal.

NOTE:

PRECAUTIONS

< PRECAUTION >

- 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.

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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.

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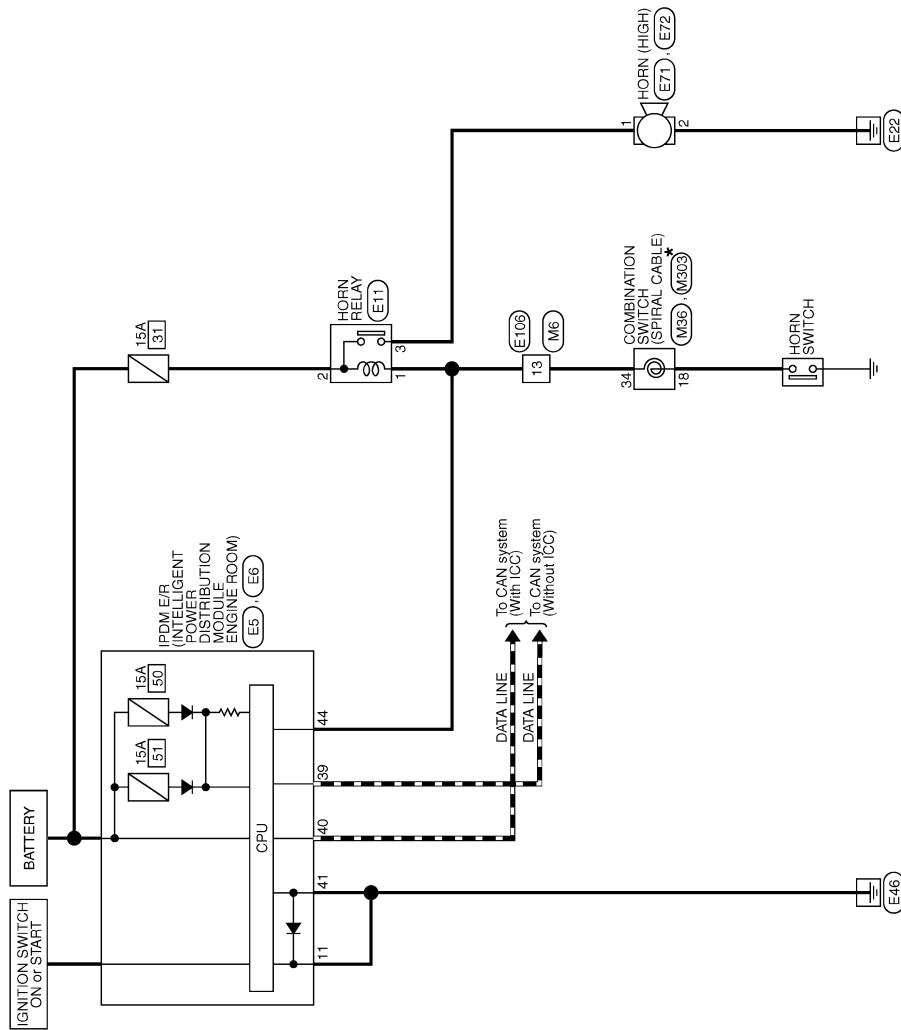
< WIRING DIAGRAM >

WIRING DIAGRAM

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Wiring Diagram

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

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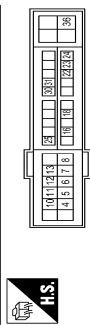
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< WIRING DIAGRAM >

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Connector No.	E5	INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Name	HRN	
Connector Type	TH80PW-CS12-M4-TV	



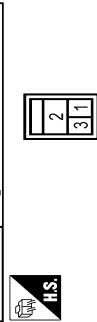
Terminal No.	Color Of Wire	Signal Name [Specification]
4	W	ENG_SOL
5	P	IGN_COIL
6	R	ECM_M8 [With VQ37 engine]
6	SR	ECM_M8 [With VAS6 engine]
7	R	ETC [With VAS6 engine]
7	Y	ETC [With VQ37 engine]
8	L/Y	A/C_COMP [With VAS6 engine]
8	P	A/C_COMP [With VQ37 engine]
10	V	ECM_BAT
11	B	P_GND
12	G	ABS_ECU
13	GR	FUEL_PUMP [With VQ37 engine]
13	W	FUEL_PUMP [With VAS6 engine]
15	V	WIPER_AUTOSTOP
16	BR	IGN_SIGNAL
22	BR	RELAY
23	G	HOSE_SW
25	G	SUB_ECU
30	BR	PUSH_START_SW
31	BR	NP_SW [With VAS6 engine]
31	W	NP_SW [With VQ37 engine]
36	GR	F/L_IGN_SW

Connector No.	E6	INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Name	HRN	
Connector Type	TH80PW-NH	



Terminal No.	Color Of Wire	Signal Name [Specification]
39	P	CAN-L
40	L	CAN-H
41	B	S_GND
42	V	MOTOR_FAN_RLY_CNT [With VAS6 engine]
43	SB	DEFENT_SW
44	GR	HORN_RLY [With VAS6 engine]
44	LG	HORN_RLY [With VQ37 engine]
45	G	HORN_SW
46	BR	START_CNT

Connector No.	E11	HRN RELAY
Connector Name	HRN RELAY	
Connector Type	Z4381_7990A	



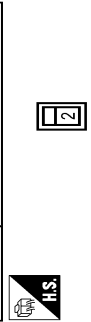
Terminal No.	Color Of Wire	Signal Name [Specification]
1	LG	-
2	W	-
3	G	-

Connector No.	E71	HRN (HIGH)
Connector Name	HRN (HIGH)	
Connector Type	P011P-BRA	



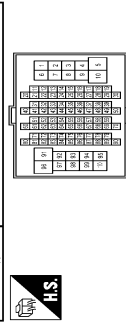
Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	-

Connector No.	E72	HRN (HIGH)
Connector Name	HRN (HIGH)	
Connector Type	P011P-A	



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

Connector No.	E106	WIRE TO WIRE
Connector Name	WIRE TO WIRE	
Connector Type	TH80PW-CS16-TM4	



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

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< WIRING DIAGRAM >

Terminal No.	Color of Wire	Signal Name [Specification]
65	B	-
66	SB	-
67	L	-
68	SHIELD	-
69	W	-
70	SB	-
71	W	-
72	R	-
73	G	-
74	Y	-
75	B	-
76	SHIELD	-
77	O	-
78	SB	-
80	V	-
82	SB	-
83	GR	-
84	Y	-
85	Y	-
86	L	-
87	V	-
88	BR	-
89	LG	-
90	W	-
91	W	-
92	P	-
93	LG	-
94	BR	-
95	W	-
96	V	-
98	P	-
99	V	-
100	V	-

Terminal No.	Color of Wire	Signal Name [Specification]
65	Y	- [Without ICC]
66	P	-
67	L	-
68	R	-
69	SHIELD	-
70	R	-
71	W	-
72	R	-
73	G	-
74	Y	-
75	B	-
76	SHIELD	-
77	B	-
78	V	-
80	G	-
82	B	-
83	BG	-
84	SB	-
85	Y	-
86	L	-
87	V	-
88	V	-
89	LG	-
90	BG	-
91	W	-
92	BG	-
93	G	-
94	W	-
95	W	-
96	SB	-
98	R	-
99	W	-
100	L	-

Terminal No.	Color of Wire	Signal Name [Specification]
65	Y	-
66	SB	-
67	L	-
68	R	-
69	SHIELD	-
70	W	-
71	W	-
72	W	-
73	W	-
74	W	-
75	G	-
76	G	-
77	Y	-
78	W	-
80	V	-
82	LG	-
83	LG	-
84	L	-
85	V	-
86	B	-
87	V	-
88	BR	-
89	BR	-
90	BR	-
91	W	-
92	P	-
93	SHIELD	-
94	V	-
95	SB	-
96	SB	-
98	P	-
99	BG	-
100	V	-

Terminal No.	Color of Wire	Signal Name [Specification]
65	Y	- [Without ICC]
66	L	- [Without ICC]
67	L	- [With ICC]
68	SB	- [Without ICC]
69	R	- [With ICC]

Terminal No.	Color of Wire	Signal Name [Specification]
65	Y	- [Without ICC]
66	L	- [Without ICC]
67	L	- [With ICC]
68	SB	- [Without ICC]
69	R	- [With ICC]

Terminal No.	Color of Wire	Signal Name [Specification]
65	Y	- [Without ICC]
66	L	- [Without ICC]
67	L	- [With ICC]
68	SB	- [Without ICC]
69	R	- [With ICC]

Terminal No.	Color of Wire	Signal Name [Specification]
65	Y	- [Without ICC]
66	L	- [Without ICC]
67	L	- [With ICC]
68	SB	- [Without ICC]
69	R	- [With ICC]



Connector No. IM6
 Connector Name WIRE TO WIRE
 Connector Type TH80NW-CS16-TMA

Connector No. MB6
 Connector Name COMBINATION SWITCH (SPIRAL CABLE)
 Connector Type TK08FGV-IV



Connector No. M303
 Connector Name COMBINATION SWITCH (SPIRAL CABLE)
 Connector Type TK08FGV



Terminal No.	Color of Wire	Signal Name [Specification]
13	-	-
14	-	-
15	-	-
16	-	-
17	-	-
18	-	-
19	-	-
20	-	-

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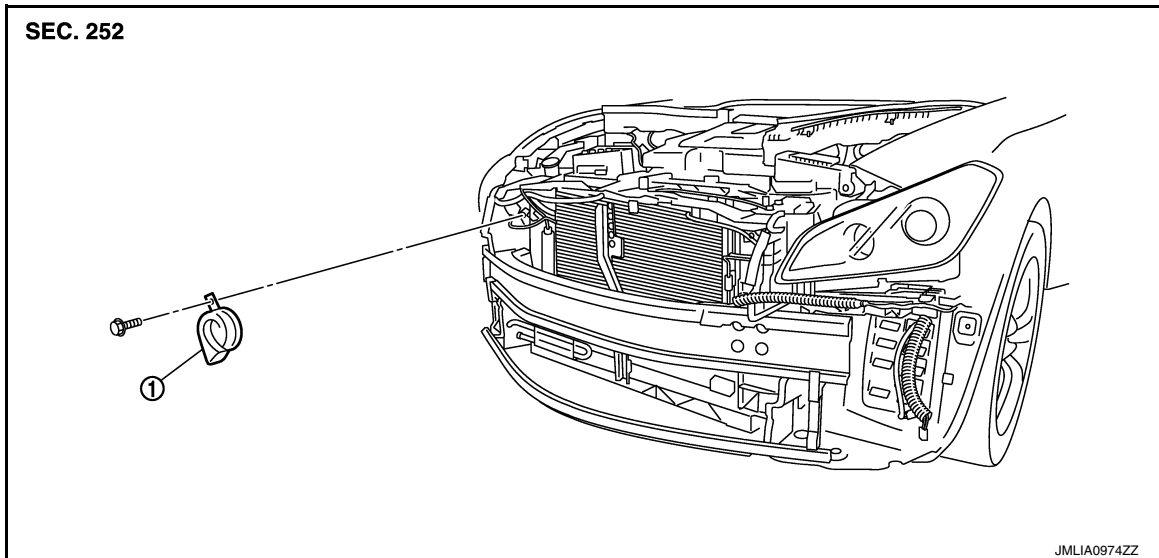
< REMOVAL AND INSTALLATION >

REMOVAL AND INSTALLATION

HORN

Exploded View

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1. Horn (HIGH)

Removal and Installation

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REMOVAL

1. Remove the air duct (inlet). Refer to [EM-29. "Exploded View"](#) (VQ37VHR) or [EM-192. "Exploded View"](#) (VK56VD).
2. Disconnect the horn (HIGH) connector.
3. Remove the horn mounting bolt, and remove the horn (HIGH) from the vehicle.

INSTALLATION

Install in the reverse order of removal.

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