

SECTION **HRN**  
HORN

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# PRECAUTIONS

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## PRECAUTION

### PRECAUTIONS

#### Precaution for Technicians Using Medical Electric

INFOID:000000007071878

##### OPERATION PROHIBITION

###### **WARNING:**

- Parts with strong magnet is used in this vehicle.
- Technicians using a medical electric device such as pacemaker must never perform operation on the vehicle, as magnetic field can affect the device function by approaching to such parts.

##### NORMAL CHARGE PRECAUTION

###### **WARNING:**

- If a technician uses a medical electric device such as an implantable cardiac pacemaker or an implantable cardioverter defibrillator, the possible effects on the devices must be checked with the device manufacturer before starting the charge operation.
- As radiated electromagnetic wave generated by on board charger at normal charge operation may effect medical electric devices, a technician using a medical electric device such as implantable cardiac pacemaker or an implantable cardioverter defibrillator must not enter the vehicle compartment (including luggage room) during normal charge operation.

##### PRECAUTION AT TELEMATICS SYSTEM OPERATION

###### **WARNING:**

- If a technician uses implantable cardiac pacemaker or implantable cardioverter defibrillator (ICD), avoid the device implanted part from approaching within approximately 220 mm (8.66 in) from interior/exterior antenna.
- The electromagnetic wave of TCU might affect the function of the implantable cardiac pacemaker or the implantable cardioverter defibrillator (ICD), when using the service, etc.
- If a technician uses other medical electric devices than implantable cardiac pacemaker or implantable cardioverter defibrillator (ICD), the electromagnetic wave of TCU might affect the function of the device. The possible effects on the devices must be checked with the device manufacturer before TCU use.

##### PRECAUTION AT INTELLIGENT KEY SYSTEM OPERATION

###### **WARNING:**

- If a technician uses implantable cardiac pacemaker or implantable cardioverter defibrillator (ICD), avoid the device implanted part from approaching within approximately 220 mm (8.66 in) from interior/exterior antenna.
- The electromagnetic wave of Intelligent Key might affect the function of the implantable cardiac pacemaker or the implantable cardioverter defibrillator (ICD), at door operation, at each request switch operation, or at engine starting.
- If a technician uses other medical electric devices than implantable cardiac pacemaker or implantable cardioverter defibrillator (ICD), the electromagnetic wave of Intelligent Key might affect the function of the device. The possible effects on the devices must be checked with the device manufacturer before Intelligent Key use.

#### Point to Be Checked Before Starting Maintenance Work

INFOID:000000007079468

The high voltage system may starts automatically. It is required to check that the timer air conditioner and timer charge (during EVSE connection) are not set before starting maintenance work.

###### **NOTE:**

If the timer air conditioner or timer charge (during EVSE connection) is set, the high voltage system starts automatically even when the power switch is in OFF state.

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

INFOID:000000006953108

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

# PRECAUTIONS

## < PRECAUTION >

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 power switch ON, 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 power switch OFF, disconnect the 12V battery, and wait at least 3 minutes before performing any service.

## Precautions for Removing Battery Terminal

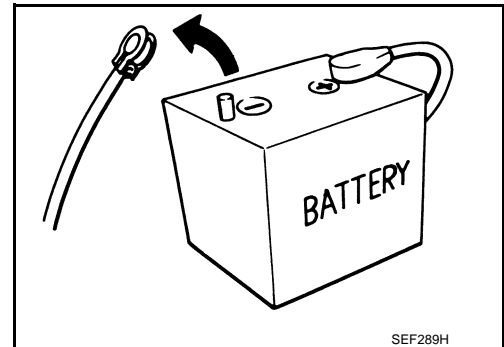
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- When removing the 12V battery terminal, turn OFF the power switch and wait at least 5 minutes.

### **NOTE:**

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

- Always disconnect the battery terminal within 60 minutes after turning OFF the power switch. Even when the power switch is OFF, the 12V battery automatic charge control may automatically start after a lapse of 60 minutes from power switch OFF.
- Disconnect 12V battery terminal according to the following steps.



## WORK PROCEDURE

1. Check that EVSE is not connected.

### **NOTE:**

If EVSE is connected, the air conditioning system may be automatically activated by the timer A/C function.

2. Turn the power switch OFF → ON → OFF. Get out of the vehicle. Close all doors (including back door).
3. Check that the charge status indicator lamp does not blink and wait for 5 minutes or more.

### **NOTE:**

If the battery is removed within 5 minutes after the power switch is turned OFF, plural DTCs may be detected.

4. Remove 12V battery terminal within 60 minutes after turning the power switch OFF → ON → OFF.

### **CAUTION:**

- After all doors (including back door) are closed, if a door (including back door) is opened before battery terminals are disconnected, start over from Step 1.
- After turning the power switch OFF, if "Remote A/C" is activated by user operation, stop the air conditioner and start over from Step 1.

### **NOTE:**

Once the power switch is turned ON → OFF, the 12V battery automatic charge control does not start for approximately 1 hour.

## PRECAUTIONS

### < PRECAUTION >

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

**NOTE:**

If the power 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.

# HORN

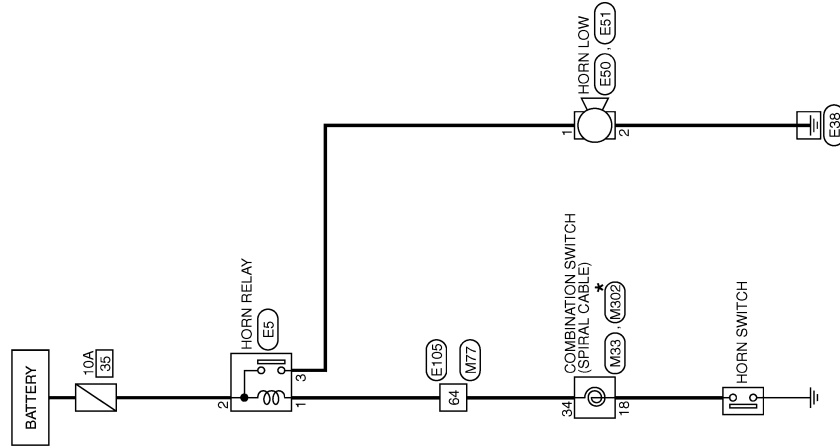
< WIRING DIAGRAM >

## WIRING DIAGRAM

### HORN

#### Wiring Diagram

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

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# HORN

< WIRING DIAGRAM >

## HORN

Connector No.	E5
Connector Name	HORN RELAY
Connector Type	24381 CS900



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

Connector No.	E50
Connector Name	HORN LOW
Connector Type	P01FE-A



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

Connector No.	E51
Connector Name	HORN LOW
Connector Type	P01FE-A



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

Connector No.	E105
Connector Name	WIRE TO WIRE
Connector Type	T18GMH-CS16-TM4



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

Connector No.	M83
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TK08FGY-TV



24	25	26	27
31	32	33	34

Terminal No.	Color of Wire	Signal Name [Specification]
24	BR	-
25	LG	-
26	B	-
31	Y	-
32	SB	-
33	SHIELD	-
34	G	-

44	GR	-
45	G	-
46	P	-
47	LG	-
48	V	-
49	G	-
50	L	-
51	W	-
54	P	-
55	O	-
56	Y	-
57	P	-
58	LG	-
60	LG	-
61	GR	-
62	BR	-
63	O	-
64	R	-
65	Y	-
66	G	-
67	V	-
68	W	-
69	SB	-
71	Y	-
72	L	-
73	R	-
74	L	-
75	V	-
76	P	-
80	O	-
81	L	-
82	SB	-
83	G	-
84	BR	-
85	LG	-
86	GR	-
88	B	-
89	W	-
90	SHIELD	-
91	Y	-
92	BR	-
93	W	-
94	R	-
95	V	-
96	P	-
97	G	-
98	SB	-
99	O	-

# HORN

< WIRING DIAGRAM >

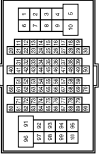
Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
2	V	-
3	GR	-
4	LG	-
6	W	-
7	V	-
8	P	-
9	SB	-
10	L	-
11	LG	-
12	W	-
13	R	-
14	Y	-
15	R	-
16	G	-
17	BR	-
19	G	-
20	G	-
21	P	-
22	LG	-
23	GR	-
24	L	-
25	Y	-
26	G	-
27	L	-
28	V	-
30	W	-
31	SB	-
32	LG	-
33	V	-
34	L	-
35	SB	-
38	LG	-
39	GR	-
40	Y	-
41	R	-
42	W	-
43	SB	-


Terminal No.	Color of Wire	Signal Name [Specification]
44	GR	-
45	P	-
46	R	-
47	W	-
48	L	-
49	G	-
50	L	-
51	L	-
54	W	-
55	G	-
56	BR	-
57	P	-
58	R	-
60	Y	-
61	GR	-
62	SB	-
63	Y	-
64	G	-
65	V	-
66	P	-
67	Y	-
68	P	-
69	BR	-
71	Y	-
72	L	-
73	G	-
74	L	-
75	V	-
76	R	-
80	W	-
81	L	-
82	SB	-
83	R	-
84	BR	-
85	R	-
86	GR	-
88	R	-
89	W	-
90	SHIELD	-
91	Y	-
92	BR	-
93	W	-
94	P	-
95	V	-
96	P	-
97	G	-
98	R	-
99	LG	-

Connector No.	Connector Name	Connector Type
M77	WIRE TO WIRE	TH80PV-CS1.6-TM4

Connector No.	Connector Name	Connector Type
M302	COMBINATION SWITCH (SPIRAL CABLE)	TK08FGY

Terminal No.	Color of Wire	Signal Name [Specification]
13	R	-
14	W	-
15	L	-
16	B	-
17	BR	-
18	G	-
19	Y	-
20	Y	-

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# HORN

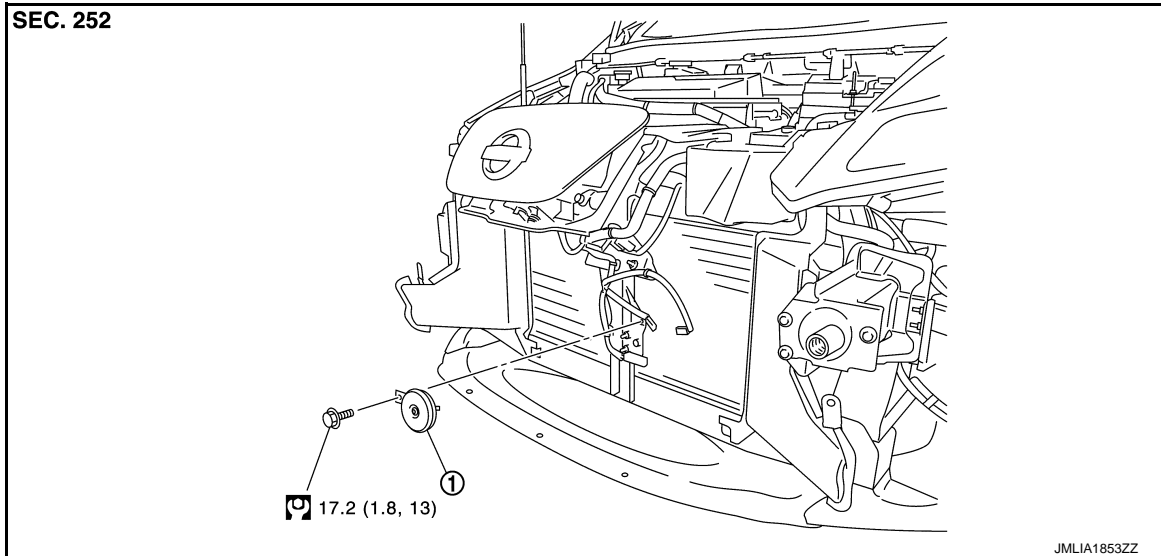
< REMOVAL AND INSTALLATION >

## REMOVAL AND INSTALLATION


### HORN

Exploded View

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1. Horn

 : N·m (kg·m, ft·lb)

### Removal and Installation

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#### REMOVAL

1. Remove the front under cover. Refer to [EXT-23. "FRONT UNDER COVER : Removal and Installation"](#).
2. Disconnect the horn connectors.
3. Remove the horn mounting bolt, and remove the horn from the vehicle.

#### INSTALLATION

Install in the reverse order of removal.

#### CAUTION:

**Be careful to connect power supply harness connector and ground harness connector normally.**

Harness connector	Horn
Brown	Power supply (terminal with brown plastic base)
Black	Ground (terminal located on horn bracket)