

A  
B  
C

# SECTION **AV**

## AUDIO-VISUAL SYSTEM

### CONTENTS

<p><b>PRECAUTIONS</b> ..... 2</p> <p>    Precautions for Supplemental Restraint System (SRS) "AIR BAG" and "SEAT BELT PRE-TENSIONER" ..... 2</p> <p><b>SYSTEM DESCRIPTION</b> ..... 3</p> <p>    System Functions ..... 3</p> <p>    Component Description ..... 3</p> <p>        AUDIO UNIT ..... 3</p> <p>    Component Parts Location ..... 3</p> <p>    Location Of Antenna ..... 4</p> <p>    Wiring Diagram — AUDIO — ..... 5</p> <p><b>TERMINALS AND REFERENCE VALUE FOR CONTROL UNIT</b> ..... 7</p> <p>    Audio Unit ..... 7</p> <p><b>TROUBLE DIAGNOSIS</b> ..... 8</p> <p>    Audio Trouble Diagnosis ..... 8</p> <p>        MALFUNCTION WITH RADIO, TAPE AND CD... 8</p> <p>        FOR RADIO ONLY ..... 8</p> <p>        FOR CASSETTE PLAYER ONLY ..... 9</p>	<p>    FOR CD ONLY ..... 9</p> <p>    Noise Inspection ..... 9</p> <p>        TYPE OF NOISE AND POSSIBLE CAUSE ..... 9</p> <p><b>REMOVAL AND INSTALLATION</b> ..... 11</p> <p>    Audio Unit ..... 11</p> <p>        REMOVAL ..... 11</p> <p>        INSTALLATION ..... 11</p> <p>    Front Door Speaker ..... 11</p> <p>        REMOVAL ..... 11</p> <p>        INSTALLATION ..... 11</p> <p>    Rear Door Speaker ..... 11</p> <p>        REMOVAL ..... 11</p> <p>        INSTALLATION ..... 11</p> <p>    Tweeter ..... 12</p> <p>        REMOVAL ..... 12</p> <p>        INSTALLATION ..... 12</p> <p>    Roof Antenna ..... 12</p> <p>        REMOVAL ..... 12</p> <p>        INSTALLATION ..... 12</p>
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A  
B  
C  
D  
E  
F  
G  
H  
I  
J  
L  
M

AV

# PRECAUTIONS

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## PRECAUTIONS

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### Precautions for Supplemental Restraint System (SRS) “AIR BAG” and “SEAT BELT PRE-TENSIONER”

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

**WARNING:**

- To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision which would result in air bag inflation, all maintenance must be performed by an authorized NISSAN/INFINITI dealer.
- Improper maintenance, including incorrect removal and installation of the SRS, can lead to personal injury caused by unintentional activation of the system. For removal of Spiral Cable and Air Bag Module, see the SRS section.
- Do not use electrical test equipment on any circuit related to the SRS unless instructed to in this Service Manual. SRS wiring harnesses can be identified by yellow and/or orange harnesses or harness connectors.

# SYSTEM DESCRIPTION

## SYSTEM DESCRIPTION

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### System Functions

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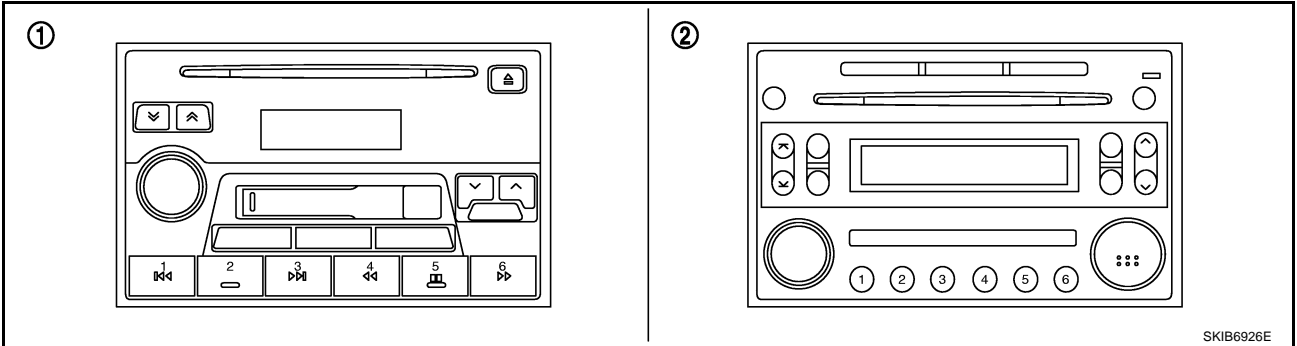
Refer to Owner's Manual for audio system operating instructions.

### Component Description

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#### AUDIO UNIT

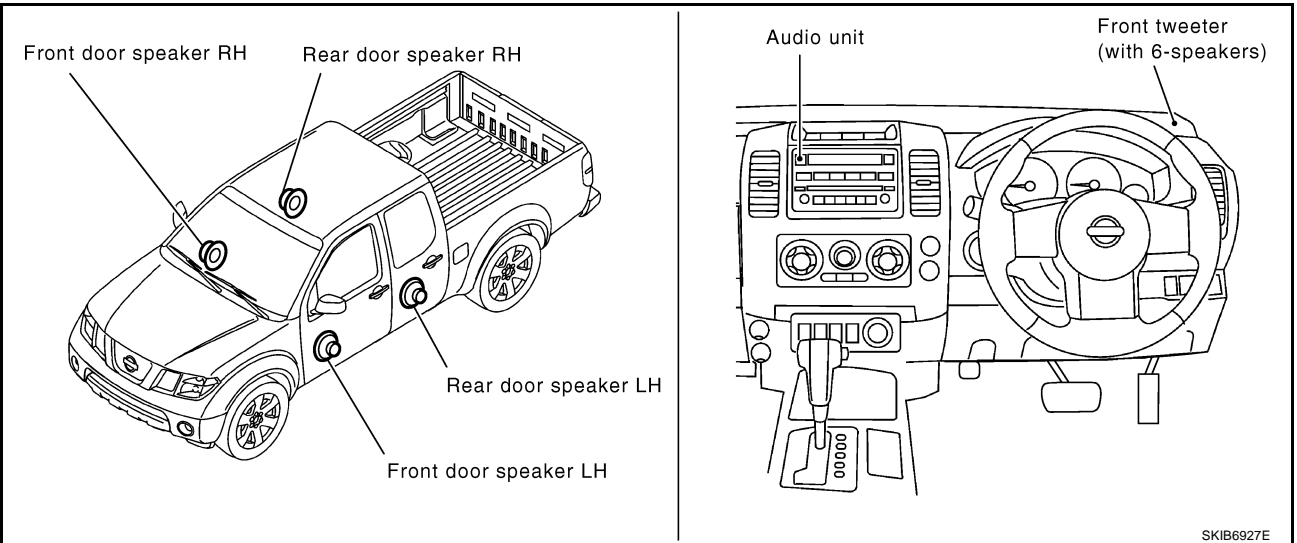
Audio unit has two different types as shown in the figure.



1. 1CD player type (With cassette)      2. 6CD player type

### Component Parts Location

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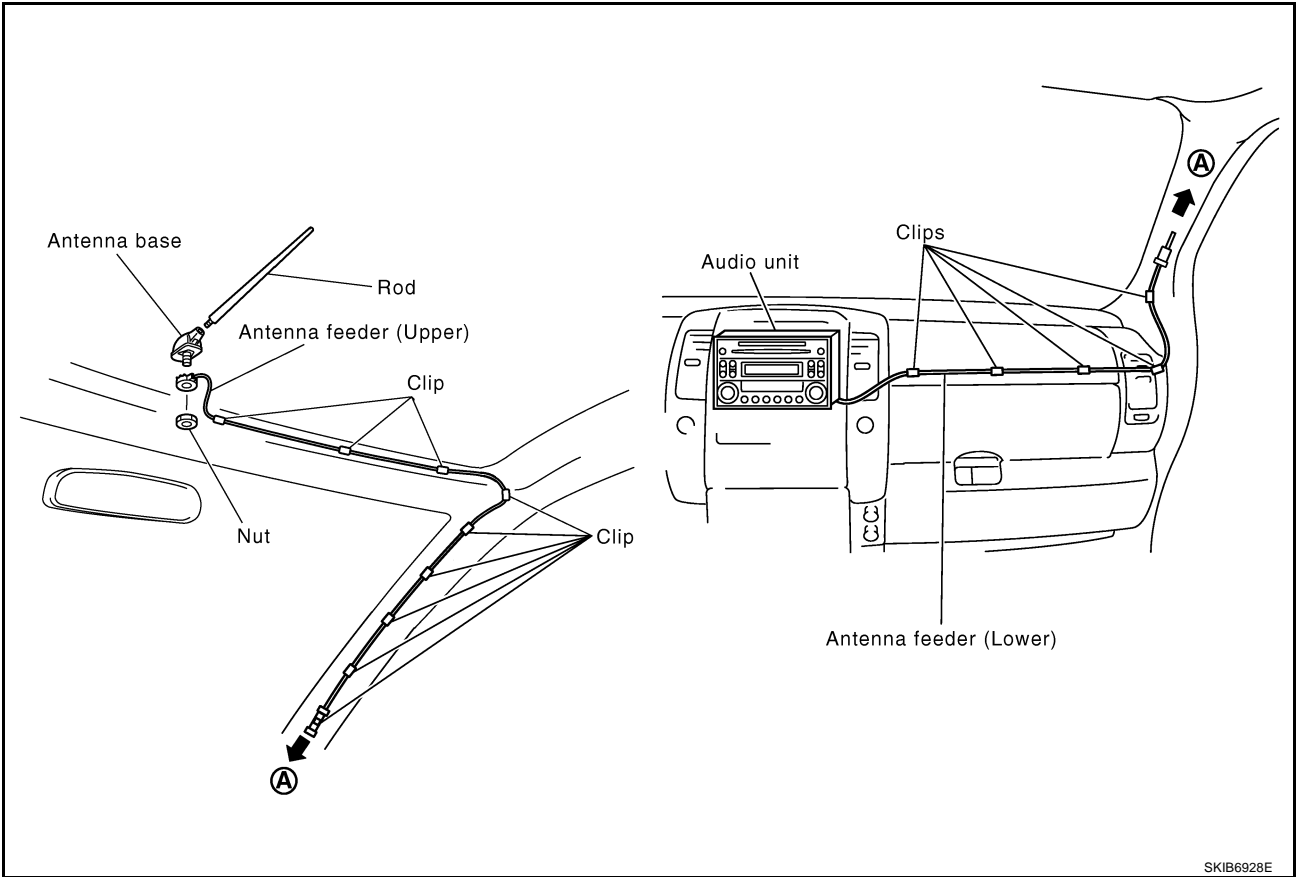


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# SYSTEM DESCRIPTION

## Location Of Antenna

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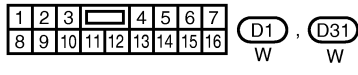
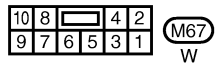
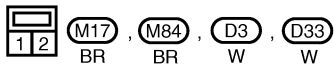
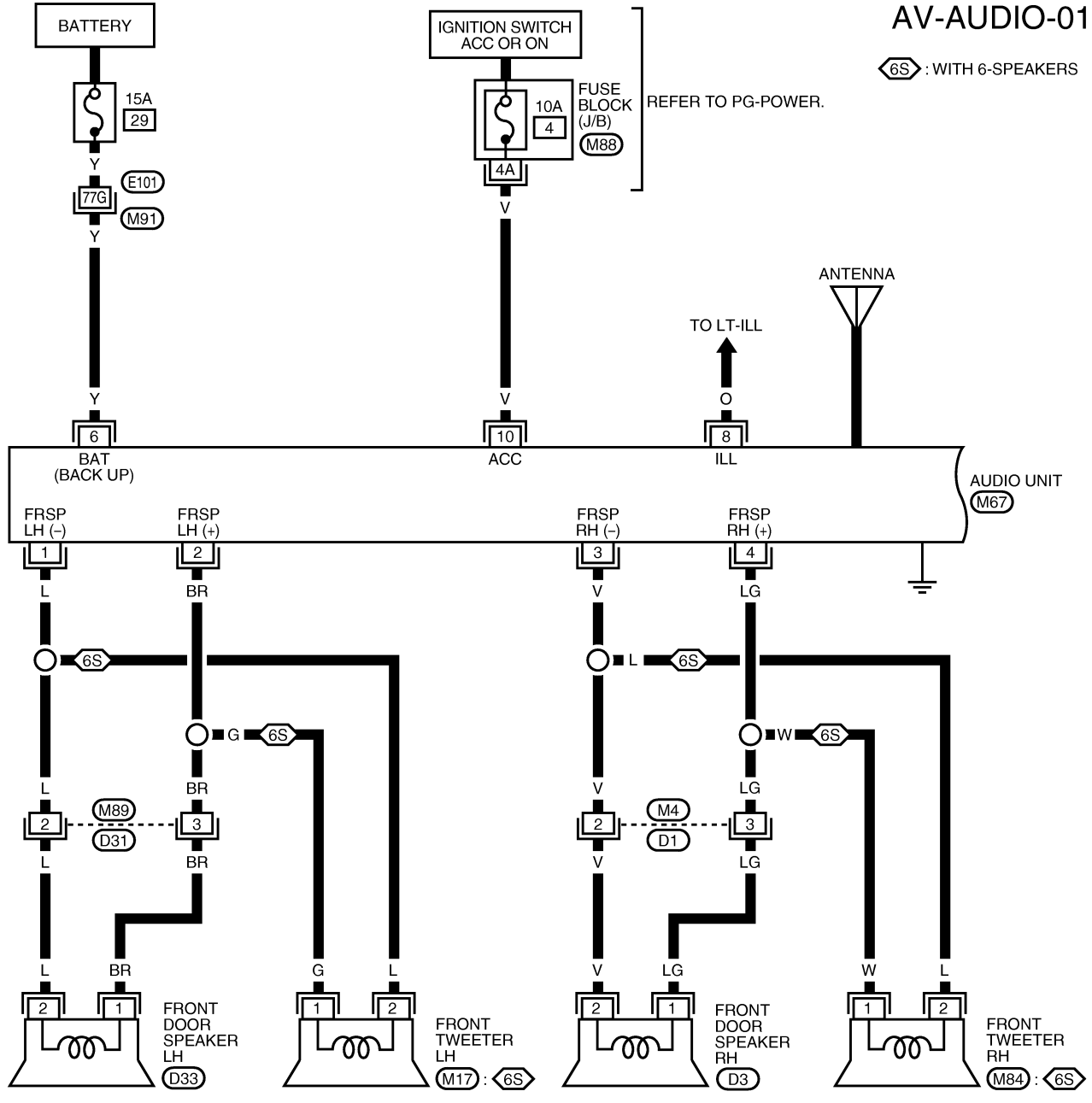
# SYSTEM DESCRIPTION

## Wiring Diagram — AUDIO —

GKS000B9

### AV-AUDIO-01

⬡6S⬢ : WITH 6-SPEAKERS



REFER TO THE FOLLOWING.  
 (M91) - SUPER MULTIPLE JUNCTION (SMJ)  
 (M88) - FUSE BLOCK - JUNCTION BOX (J/B)

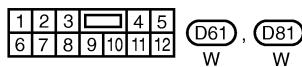
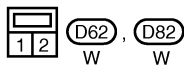
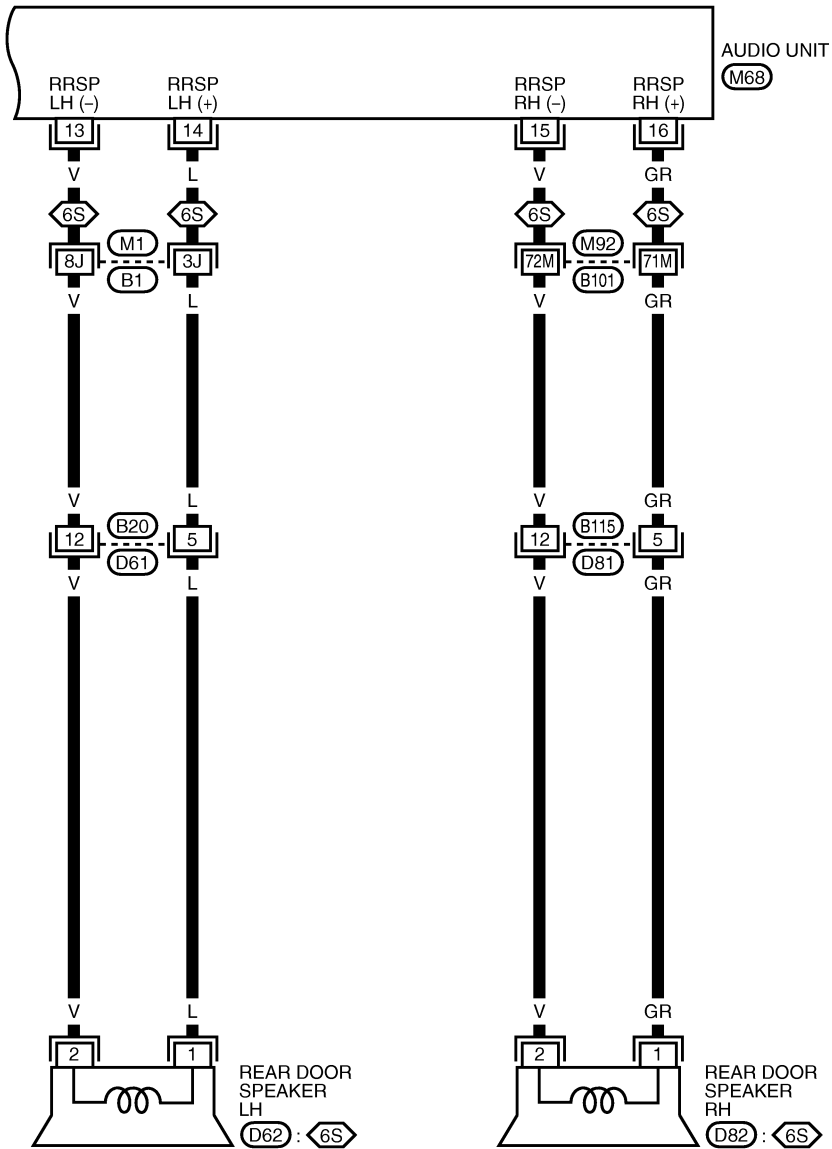
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AV

# SYSTEM DESCRIPTION

## AV-AUDIO-02

⬡6S⬢ : WITH 6-SPEAKES



REFER TO THE FOLLOWING.  
 (M1), (M92) - SUPER  
 MULTIPLE JUNCTION (SMJ)

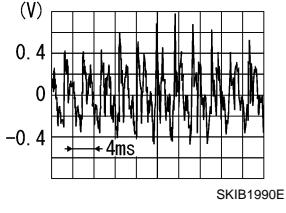
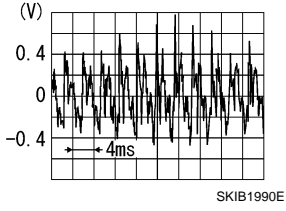
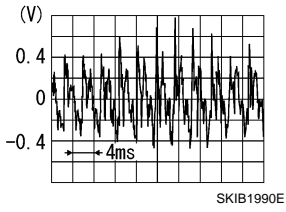
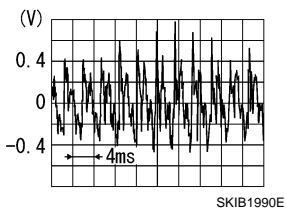
# TERMINALS AND REFERENCE VALUE FOR CONTROL UNIT

## TERMINALS AND REFERENCE VALUE FOR CONTROL UNIT

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### Audio Unit

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Terminal (Wire color)		Item	Signal input/ output	Condition		Reference value
+	-			Ignition switch	Operation	
2 (BR)	1 (L)	Audio signal front LH	Output	ON	Sound output	
4 (LG)	3 (V)	Audio signal front RH	Output	ON	Sound output	
6 (Y)	Ground	Battery power supply	Input	ON	-	Battery voltage
8 (O)	Ground	Illumination signal	Input	ON	Lighting switch is ON.	Approx. 12 V
					Lighting switch is OFF.	Approx. 0 V
10 (V)	Ground	ACC power supply	Input	ACC	-	Battery voltage
14 (L)	13 (V)	Audio signal rear LH	Output	ON	Sound output	
16 (GR)	15 (V)	Audio signal rear RH	Output	ON	Sound output	

A  
B  
C  
D  
E  
F  
G  
H  
I  
J  
L  
M

AV

# TROUBLE DIAGNOSIS

## TROUBLE DIAGNOSIS

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### Audio Trouble Diagnosis

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The majority of the audio malfunctions are the result of outside causes (bad CD/cassette, electromagnetic interference, etc.). Check the symptoms below to diagnose the malfunction.

#### MALFUNCTION WITH RADIO, TAPE AND CD

Symptom	Check item	Possible cause
Inoperative	<ul style="list-style-type: none"> <li>● Make sure that the ignition switch is in the ACC position.</li> </ul>	<ul style="list-style-type: none"> <li>● Audio unit power supply circuit.</li> <li>● Audio unit</li> </ul>
All speaker do not sound	<ul style="list-style-type: none"> <li>● Make sure that the volume is not turned down.</li> </ul>	Audio unit
One or several speaker does not sound	<ul style="list-style-type: none"> <li>● Make sure that the balance and fader control knobs are centered.</li> </ul>	<ul style="list-style-type: none"> <li>● Open or short in sound signal circuit between audio unit and speaker</li> <li>● Speaker</li> <li>● Audio unit</li> </ul>
Poor sound	<ul style="list-style-type: none"> <li>● Make sure that the bass and treble adjustment is centered.</li> </ul>	<ul style="list-style-type: none"> <li>● Audio unit</li> <li>● Speaker</li> </ul>
Noisy	—	<ul style="list-style-type: none"> <li>● Audio unit</li> <li>● Each electrical equipment</li> </ul>

#### FOR RADIO ONLY

Symptom	Check item	Possible cause
No sound	<ul style="list-style-type: none"> <li>● Make sure that the radio is tuned to a station's frequency.</li> </ul>	<ul style="list-style-type: none"> <li>● Audio unit</li> <li>● Antenna feeder</li> <li>● Antenna</li> </ul>
Noisy	<ul style="list-style-type: none"> <li>● Make sure that the radio is tuned to a station's frequency.</li> <li>● Make sure that the signal of the received station is not weak.</li> <li>● Make sure whether or not the malfunction occurs only in a particular area. (Note)</li> </ul>	<ul style="list-style-type: none"> <li>● Audio unit</li> <li>● Antenna feeder</li> <li>● Antenna</li> <li>● Noise prevention parts</li> <li>● Each electrical equipment</li> <li>● Wire harness of each piece of electrical equipment</li> </ul>
Selected radio stations stored in memory are deleted	—	<ul style="list-style-type: none"> <li>● Audio unit</li> </ul>

#### NOTE:

This is noise resulting from variations in field strength, such as fading noise and multi-path noise, or external noise from trains and other sources. It is not a malfunction.

- Fading noise: This noise occurs because of variations in the field strength in a narrow range due to mountains or buildings blocking the signal.
- Multi-path noise: This noise results from the waves sent directly from the broadcast station arriving at the antenna at a different time from the waves which reflect off of mountains or buildings.



# TROUBLE DIAGNOSIS

## FOR CASSETTE PLAYER ONLY

Symptom	Check item	Possible cause
Cassette tape cannot be inserted	<ul style="list-style-type: none"> <li>● Make sure that a cassette tape is not already inserted.</li> <li>● Make sure that the cassette has no deformation or other malfunction.</li> </ul>	<ul style="list-style-type: none"> <li>● Cassette tape</li> <li>● Audio unit</li> </ul>
Cassette tape cannot be ejected	<ul style="list-style-type: none"> <li>● Make sure that the cassette has no deformation or other malfunction.</li> <li>● Make sure that the cassette tape does not sag.</li> </ul>	
Auto reverse does not work, or the tape direction changes in the middle of play	<ul style="list-style-type: none"> <li>● There is a problem with tape winding. Make sure that there is no slack or other malfunction.</li> <li>● Make sure that an old cassette tape is not being used.</li> </ul>	
There is much noise	<ul style="list-style-type: none"> <li>● Make sure that the cassette tape itself does not have a lot of noise, or that the tape does not have a low recording level.</li> </ul>	
Sound fluctuates/tape speed not correct	<ul style="list-style-type: none"> <li>● Make sure that there is no tape winding problem, sagging, stretching, or other malfunction.</li> <li>● Make sure that there is no problem with the recording speed of the cassette tape.</li> </ul>	
No sound	<ul style="list-style-type: none"> <li>● Make sure that the cassette tape has been recorded on.</li> </ul>	

## FOR CD ONLY

Symptom	Check item	Possible cause
CD cannot be inserted	Make sure that a CD is not already inserted.	<ul style="list-style-type: none"> <li>● CD</li> <li>● Audio unit</li> </ul>
CD cannot be ejected	—	
The CD cannot be played	<ul style="list-style-type: none"> <li>● Make sure that the CD is not upside down.</li> <li>● Make sure that there is no dirt, damage, or water on the disc.</li> </ul>	
The sound skips, stops suddenly, or is distorted	<ul style="list-style-type: none"> <li>● Make sure that there is no dirt, damage, or water on the disc.</li> <li>● Make sure that the trouble is not due to strong vibration.</li> </ul>	

## Noise Inspection

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The vehicle itself can be a source of noise if noise prevention parts or electrical equipment is malfunction. Check if noise is caused and/or changed by engine speed, ignition switch turned to each position, and operation of each piece of electrical equipment, and determine the cause.

### NOTE:

The source of the noise can be found easily by listening to the noise while removing the fuses of electrical components, one by one.

## TYPE OF NOISE AND POSSIBLE CAUSE

Occurrence condition	Check item	
Occurs only when engine is ON.	A continuous growling noise occurs. The speed of the noise varies with changes in the engine speed.	<ul style="list-style-type: none"> <li>● Ignition condenser</li> </ul>
	A whistling noise occurs while the engine speed is high. A booming noise occurs while the engine is running and the lighting switch is ON.	<ul style="list-style-type: none"> <li>● Alternator</li> </ul>
The occurrence of the noise is linked with the operation of the fuel pump.	<ul style="list-style-type: none"> <li>● Fuel pump condenser</li> </ul>	

## TROUBLE DIAGNOSIS

Occurrence condition		Check item
Noise only occurs when various electrical components are operating.	A cracking or snapping sound occurs with the operation of various switches.	<ul style="list-style-type: none"> <li>● Relay malfunction, radio malfunction</li> </ul>
	The noise occurs when various motors are operating.	<ul style="list-style-type: none"> <li>● Motor case ground</li> <li>● Motor</li> </ul>
The noise occurs constantly, not just under certain conditions.		<ul style="list-style-type: none"> <li>● Poor ground of antenna feeder line</li> </ul>
A cracking or snapping sound occurs while the vehicle is being driven, especially when it is vibrating excessively.		<ul style="list-style-type: none"> <li>● Ground wire of body parts</li> <li>● Ground due to incorrect installation of parts</li> <li>● Wiring connections or a short circuit</li> </ul>

# REMOVAL AND INSTALLATION

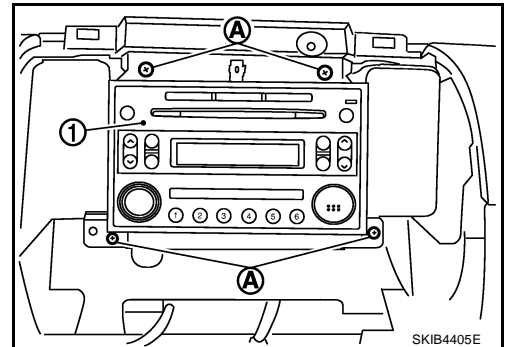
## REMOVAL AND INSTALLATION

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### Audio Unit REMOVAL

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1. Remove cluster lid C. Refer to [IP-10, "INSTRUMENT PANEL ASSEMBLY"](#) .
2. Remove screws (A) . Then remove audio unit (1) from vehicle.



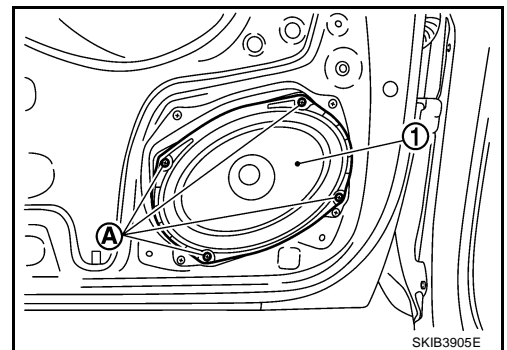
### INSTALLATION

Installation is the reverse order of removal.

### Front Door Speaker REMOVAL

GKS000BZ

1. Remove door finisher (front) . Refer to [EI-28, "DOOR FINISHER"](#) .
2. Remove screws (A) and remove speaker (1).



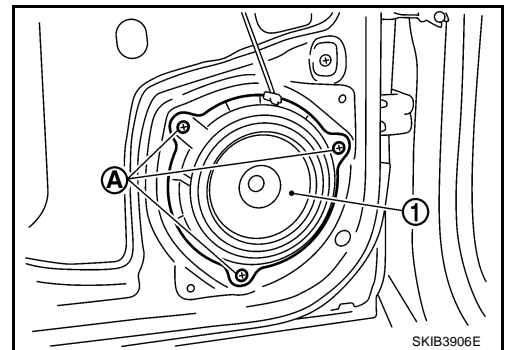
### INSTALLATION

Installation is the reverse order of removal.

### Rear Door Speaker REMOVAL

GKS000C0

1. Remove door finisher (rear) . Refer to [EI-28, "DOOR FINISHER"](#) .
2. Remove screws (A) and remove speaker (1).



### INSTALLATION

Installation is the reverse order of removal.

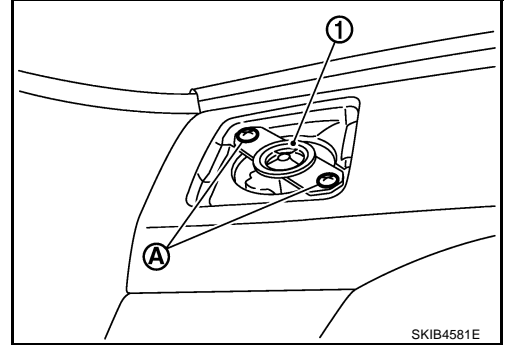
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# REMOVAL AND INSTALLATION

## Tweeter REMOVAL

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1. Remove speaker grille.
2. Remove screws (A) and remove tweeter (1).



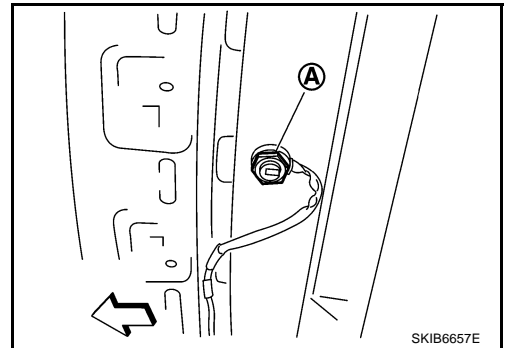
## INSTALLATION

Installation is the reverse order of removal.

## Roof Antenna REMOVAL

GKS000C2

- ↔ : Vehicle front
1. Remove headlining. Refer to [EI-35. "HEADLINING"](#) .
  2. Remove nut (A) and antenna base.



## INSTALLATION

Installation is the reverse order of removal.