

SECTION **AV**
AUDIO, VISUAL & TELEPHONE SYSTEM

CONTENTS

PRECAUTIONS	2	Removal and Installation of Front Door Speaker	9
Precautions for Supplemental Restraint System (SRS) "AIR BAG" and "SEAT BELT PRE-TEN- SIONER"	2	REMOVAL	9
AUDIO	3	INSTALLATION	9
System Description	3	Removal and Installation of Rear Door Speaker	9
SPEED DEPENDENT VOLUME SYSTEM	3	REMOVAL	9
Component parts Location	3	INSTALLATION	10
Wiring Diagram —AUDIO—	4	Removal and Installation of Tweeter	10
Terminals and Reference Value for Audio Unit	6	REMOVAL	10
Symptom Chart	8	INSTALLATION	10
Steering Switch Resistance Check	9	AUDIO ANTENNA	11
Removal and Installation of Audio Unit	9	Location of Antenna	11
REMOVAL	9	Removal and Installation of Roof Antenna	11
INSTALLATION	9	REMOVAL	11
		INSTALLATION	11

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

AV

PRECAUTIONS

PRECAUTIONS

PFP:00011

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

BKS001AK

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.

AUDIO

AUDIO

PFP:28111

System Description

BKS001AL

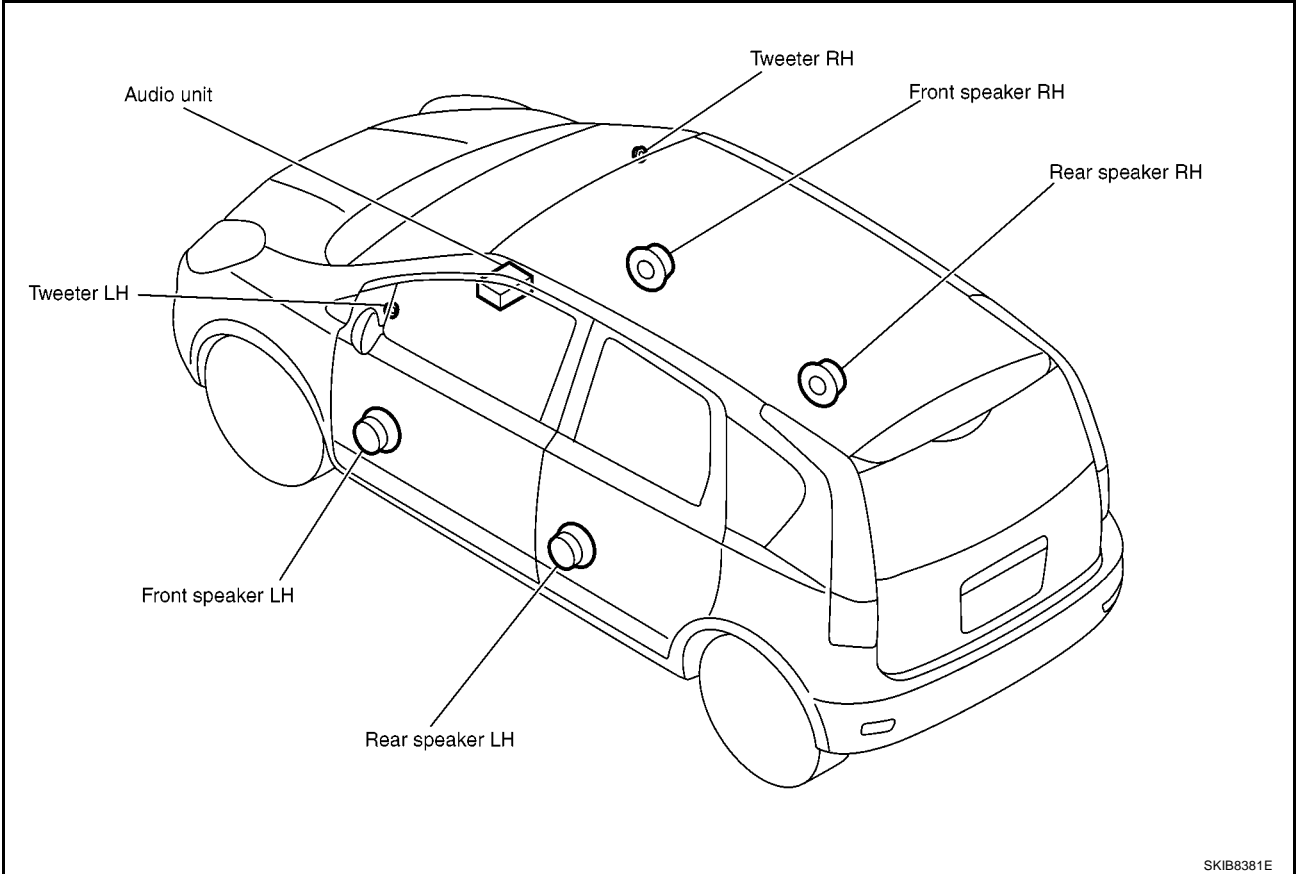
Refer to Owner's Manual for audio system operating instructions.

SPEED DEPENDENT VOLUME SYSTEM

Volume level of this system turns up and down automatically in proportion to the vehicle speed. And the control level can be selected by the customer.

Component parts Location

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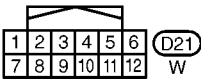
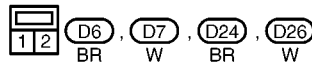
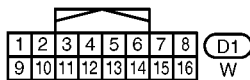
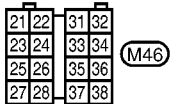
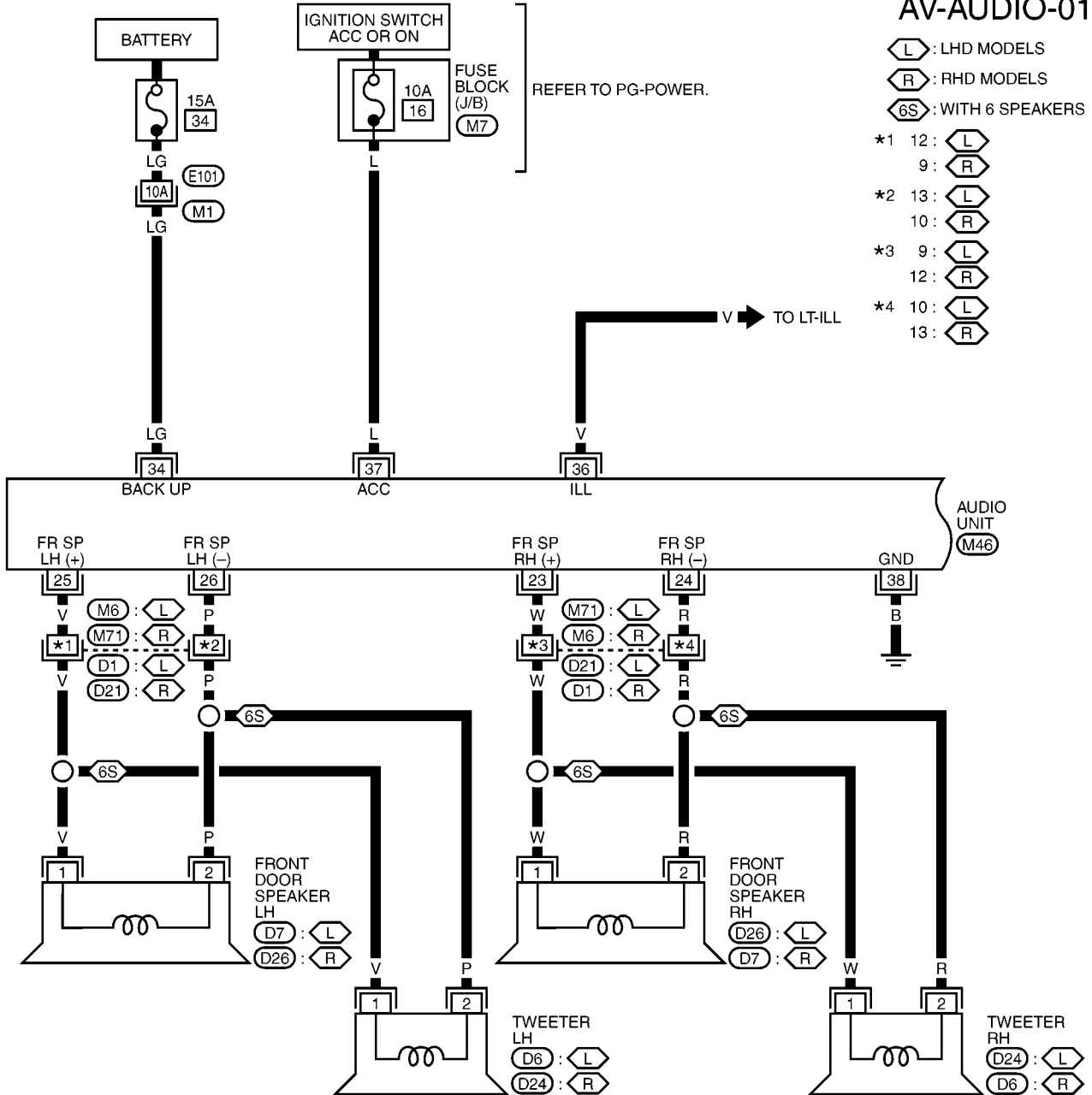
AUDIO

BKS001AM

Wiring Diagram —AUDIO—

AV-AUDIO-01

- L : LHD MODELS
- R : RHD MODELS
- 6S : WITH 6 SPEAKERS
- *1 12: L
- 9: R
- *2 13: L
- 10: R
- *3 9: L
- 12: R
- *4 10: L
- 13: R



REFER TO THE FOLLOWING.

M1 - SUPER MULTIPLE JUNCTION (SMJ)

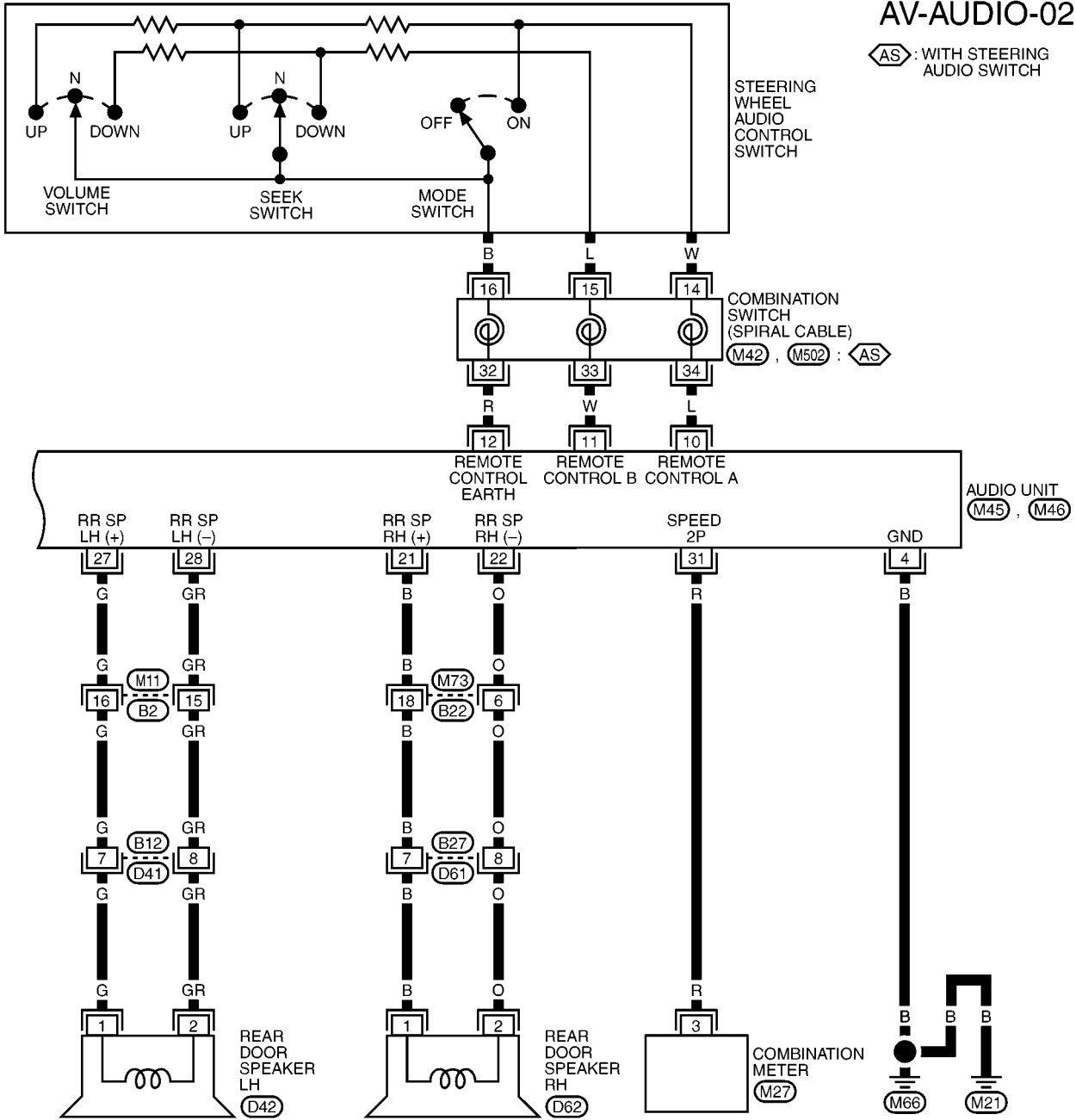
M7 - FUSE BLOCK - JUNCTION BOX (J/B)

MKWA4265E

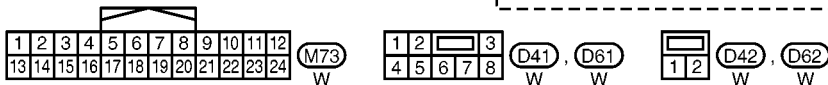
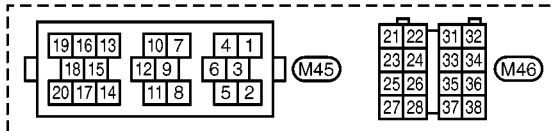
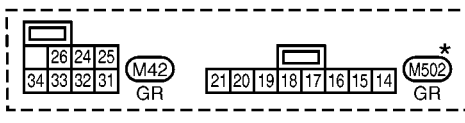
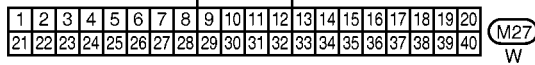
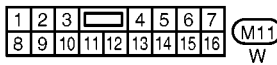
AUDIO

AV-AUDIO-02

⊠AS : WITH STEERING AUDIO SWITCH



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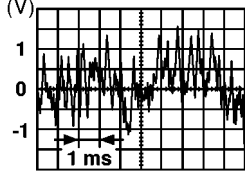
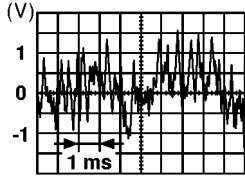
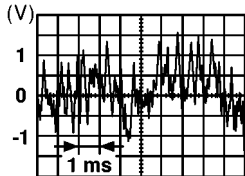
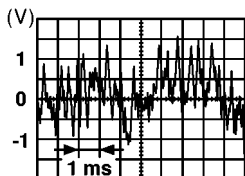
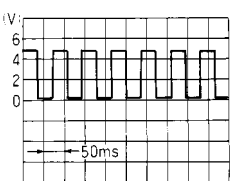


*: THIS CONNECTOR IS NOT SHOWN IN "HARNESS LAYOUT", PG SECTION.

AUDIO

Terminals and Reference Value for Audio Unit

BKS001AO

Terminal No. (wire color)		Item	Signal input/ output	Condition		Voltage
(+)	(-)			Ignition switch	Operation	
4 (B)	Ground	Ground	—	ON	—	Approx. 0 V
10 (L)	Ground	Remote control A	Input	ON	Press MODE switch	Approx. 0 V
					Press SEEK UP switch	Approx. 1.7 V
					Press VOL UP switch	Approx. 3.3 V
					Except for above	Approx. 5 V
11 (W)	Ground	Remote control B	Input	ON	Press SEEK DOWN switch	Approx. 1.7 V
					Press VOL DOWN switch	Approx. 3.3 V
					Except for above	Approx. 5 V
12 (R)	—	Remote control GND	—	ON	—	Approx. 0 V
21 (B)	22 (O)	Audio signal rear RH	Output	ON	Receive audio signal	 <p style="text-align: right; font-size: small;">SKIA0177E</p>
23 (W)	24 (R)	Audio signal front RH	Output	ON	Receive audio signal	 <p style="text-align: right; font-size: small;">SKIA0177E</p>
25 (V)	26 (P)	Audio signal front LH	Output	ON	Receive audio signal	 <p style="text-align: right; font-size: small;">SKIA0177E</p>
27 (G)	28 (GR)	Audio signal rear LH	Output	ON	Receive audio signal	 <p style="text-align: right; font-size: small;">SKIA0177E</p>
31 (R)	Ground	Vehicle speed signal (2-pulse)	Input	ON	When vehicle speed is approx. 40 km/h (25 MPH)	 <p style="text-align: right; font-size: small;">ELF1080D</p>
34 (LG)	Ground	Battery power supply	Input	OFF	—	Battery voltage

AUDIO

Terminal No. (wire color)		Item	Signal input/ output	Condition		Voltage
(+)	(-)			Ignition switch	Operation	
36 (V)	Ground	Illumination signal	Input	ON	Lighting switch is ON (position 1).	Approx. 12 V
					Turn lighting switch OFF.	Approx. 0 V
37 (L)	Ground	ACC power	Input	ACC	—	Battery voltage
38 (B)	Ground	Ground	—	ON	—	Approx. 0 V

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AUDIO

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Symptom Chart

- 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.
- The vehicle itself can be a source of noise if noise prevention parts or electrical equipment is malfunctioning. 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 then determine the cause.

NOTE:

- CD-R is not guaranteed to play because they can contain compressed audio (MP3, WMA) or could be incorrectly mastered by the customer on a computer.
- Check if the CDs carry the Compact Disc Logo. If not, the disc is not mastered to the “red book” Compact Disc Standard and may not play.

Symptom	Probable malfunction location
Audio system does not work properly.	<ul style="list-style-type: none"> ● Audio unit power supply circuit ● Audio unit
Audio steering wheel switch does not operate properly.	<ul style="list-style-type: none"> ● Remote control signal circuit between steering switch and combination switch (spiral cable) ● Remote control signal circuit between combination switch (spiral cable) and audio unit ● Steering wheel audio control switch ● Combination switch (spiral cable) ● Audio unit
No sound can be heard from all speakers.	<ul style="list-style-type: none"> ● Audio unit
No sound can be heard from one or several speakers.	<ul style="list-style-type: none"> ● Audio signal circuit between audio unit and speaker ● Speaker ● Tweeter ● Audio unit
No sound can be heard from radio or noise is caught.	<ul style="list-style-type: none"> ● Antenna feeder ● Roof antenna ● Audio unit
Speed dependent volume system does not function.	<ul style="list-style-type: none"> ● Vehicle speed signal circuit between combination meter and audio unit ● Audio unit ● Combination meter

NOTE:

Noise resulting from variations in field strength, such as fading noise and multi-path noise, or external noise from trains and other sources, 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 a time difference between the broadcast waves directly from the station arriving at the antenna and the waves reflected by mountains or buildings.

AUDIO

Steering Switch Resistance Check

BKS001AP

Check continuity between steering switch harness connector terminals 14, 15 and 16.

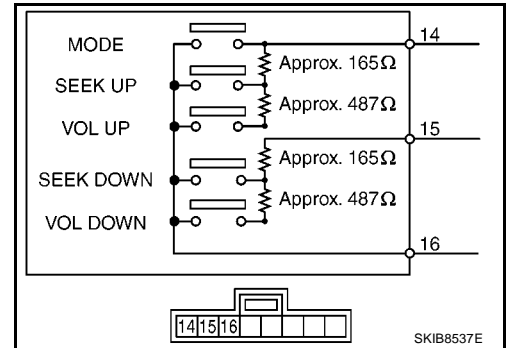
Resistance value

14 – 16

MODE ON : 0 – 1 Ω
SEEK UP ON : 164 – 166 Ω
VOL UP ON : 646 – 658 Ω

15 – 16

SEEK DOWN ON : 164 – 166 Ω
VOL DOWN ON : 646 – 658 Ω

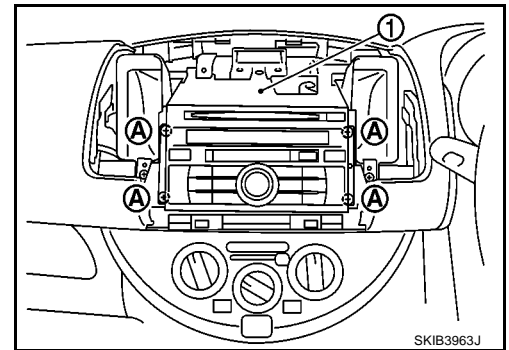


Removal and Installation of Audio Unit

REMOVAL

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1. Remove cluster lid C. Refer to [IP-8, "K. Cluster Lid C"](#).
2. Remove screws (A) and remove audio unit (1) and bracket.



INSTALLATION

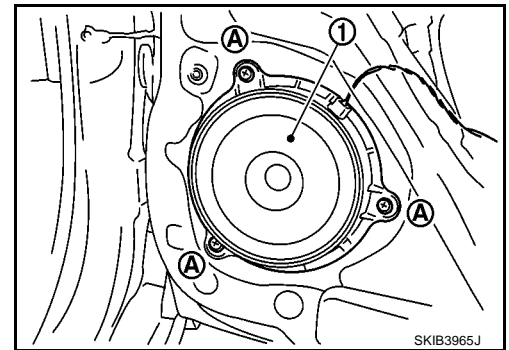
Install in the reverse order of removal.

Removal and Installation of Front Door Speaker

REMOVAL

BKS001AV

1. Remove front door finisher. Refer to [EI-20, "DOOR FINISHER"](#).
2. Remove screws (A) and remove speaker (1).



INSTALLATION

Install in the reverse order of removal.

Removal and Installation of Rear Door Speaker

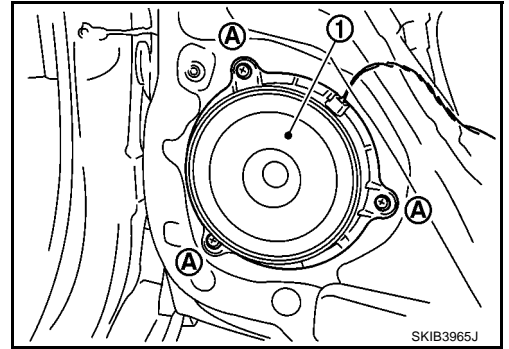
REMOVAL

BKS001AW

1. Remove rear side finisher. Refer to [EI-20, "DOOR FINISHER"](#).

AUDIO

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



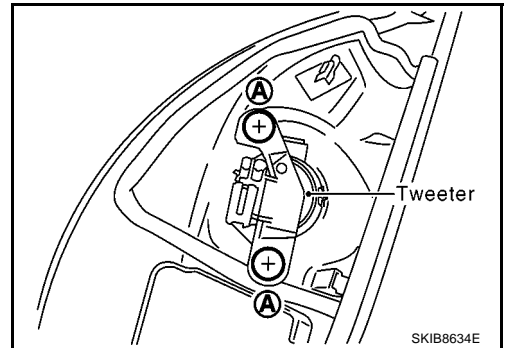
INSTALLATION

Install in the reverse order of removal.

Removal and Installation of Tweeter REMOVAL

1. Remove corner cover inner. Refer to [GW-96, "DOOR MIRROR"](#).
2. Remove screws (A) and remove tweeter.

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INSTALLATION

Install in the reverse order of removal.

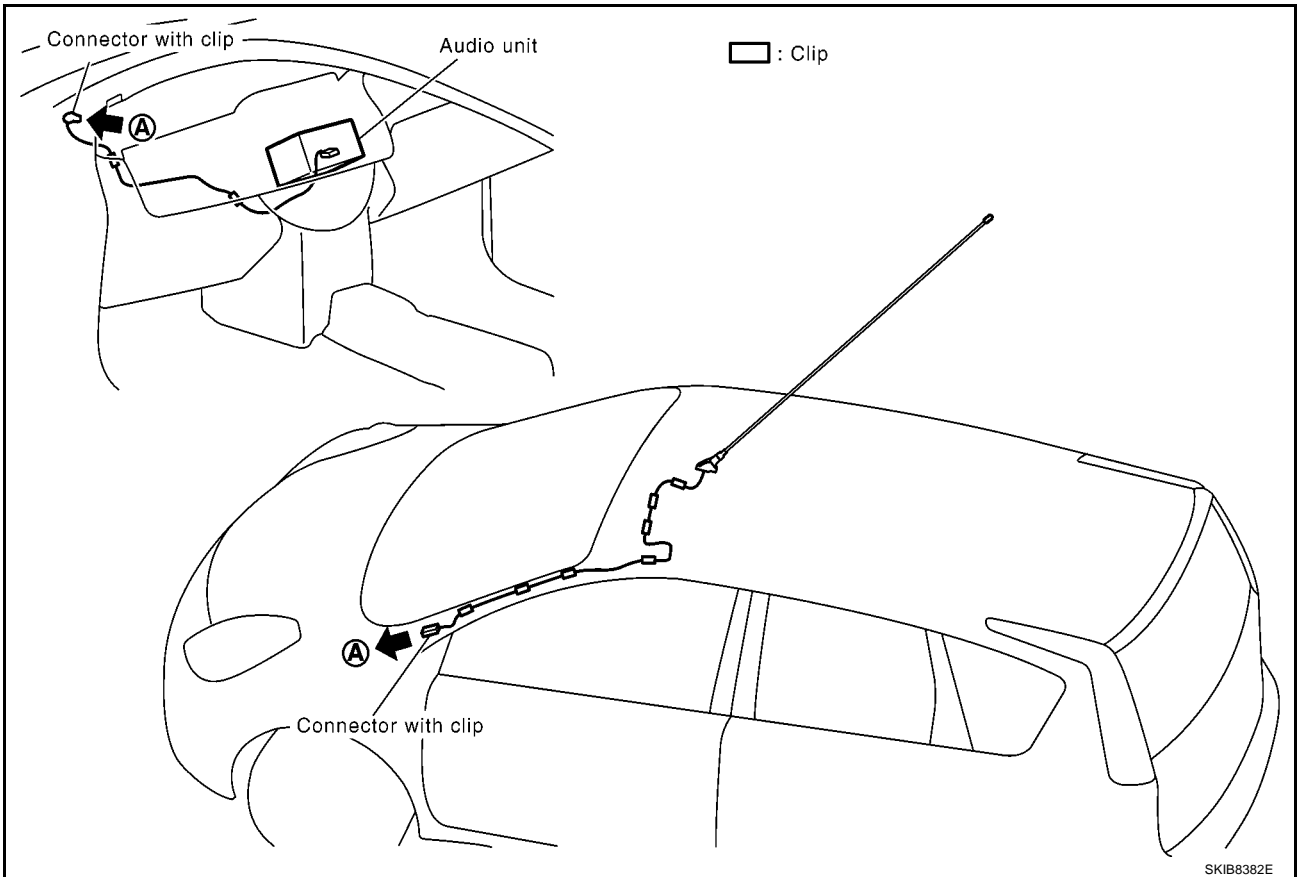
AUDIO ANTENNA

AUDIO ANTENNA

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Location of Antenna

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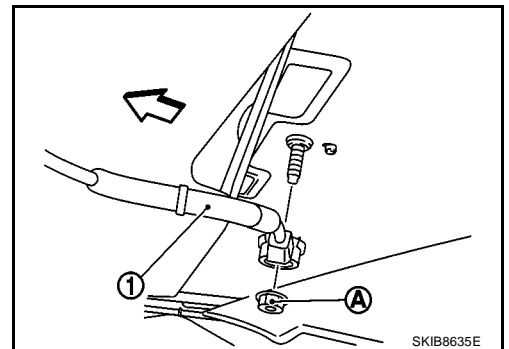
Removal and Installation of Roof Antenna

REMOVAL

BKS001B1

↔ : Vehicle front

1. Remove headliner. Refer to [EI-30. "HEADLINER"](#).
2. Remove roof antenna mounting nut (A) and antenna feeder (1). Then remove roof antenna.



INSTALLATION

Install in the reverse order of removal.

Roof Antenna mounting nut

: 4.0 N-m (0.41 kg-m, 35 in-lb)

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AUDIO ANTENNA
