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AUDIO VISUAL, NAVIGATION & TELEPHONE SYSTEM

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PRECAUTIONS

PRECAUTIONS PFP:00001

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. 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 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.

Precautions for Battery Service

NKS002KD

Before disconnecting the battery, lower both the driver and passenger windows. This will prevent any interference between the window edge and the vehicle when the door is opened/closed. During normal operation, the window slightly raises and lowers automatically to prevent any window to vehicle interference. The automatic window function will not work with the battery disconnected.

PREPARATION

PREPARATION		PFP:00002	
Commercial Servi	ice Tools	NKS002F0	1
Tool name		Description	
		Loosening bolts and nuts	
Power tool			(
	PBIC0191E	<u> </u>	

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AUDIO PFP:28111

System Description **BASE SYSTEM**

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Refer to Owner's Manual for audio system operating instructions. Power is supplied at all times

through 15A fuse [No. 37, located in the fuse and fusible link box]

to audio unit terminal 6.

With the ignition switch in the ACC or ON position, power is supplied

- through 10A fuse [No. 6, located in the fuse block (J/B)]
- to audio unit terminal 10.

Ground is supplied through the case of the audio unit.

Audio unit and A/C and audio controller are connected by FPC (Flexible Print Circuit).

A/C and audio controller integrates A/C switches and audio switches.

When A/C and audio controller is pressed to audio switch, it sends audio signal to audio unit. Then audio signals are supplied

- through audio unit terminals 1, 2, 3, and 4
- to terminals 1 and 2 of front door speaker LH and RH
- to terminals 1 and 2 of tweeter LH and RH,
- through audio unit terminals 13, 14, 15, and 16
- to terminals 1 and 2 of rear door speaker LH and RH.

When one of steering wheel audio control switches is pressed to volume up, seek up, or mode ON, the resistance in steering wheel audio control switch circuit changes depending on which button is pressed. This will change the output voltage.

Power is supplied

- from audio unit terminal 22
- through combination switch (spiral cable) terminals 24 and 20
- to steering wheel audio control switch.

Ground is supplied

- from steering wheel audio control switch
- through combination switch (spiral cable) terminals 17 and 31
- to audio unit terminal 25.

When one of steering wheel audio control switches is pressed to volume down, seek down or power ON, resistance in steering wheel audio control switch circuit changes depending on which button is pressed. This will change the voltage. Power is supplied

- from audio unit terminal 23
- through combination switch (spiral cable) terminals 32 and 16
- to steering wheel audio control switch.

Ground is supplied

- from steering wheel audio control switch
- through combination switch (spiral cable) terminals 17 and 31
- to audio unit terminal 25.

BOSE SYSTEM

Refer to Owner's Manual for audio system operating instructions. Power is supplied at all times

- through 15A fuse [No. 37, located in the fuse and fusible link box]
- to audio unit terminal 6,
- to BOSE speaker amp. terminal 1.

With the ignition switch in the ACC or ON position, power is supplied

- through 10A fuse [No. 6, located in the fuse block (J/B)]
- to audio unit terminal 10.

Ground is supplied through the case of the audio unit.

Ground is also supplied

- to BOSE speaker amp. terminal 17
- through body ground B5 and B29.

Audio unit and A/C and audio controller are connected by FPC (Flexible Print Circuit).

A/C and audio controller integrates A/C switches and audio switches.

When A/C and audio controller is pressed to audio switch, it sends audio signal to audio unit.

Then, audio signals are supplied

- through audio unit terminals 1, 2, 3, 4, 13, 14, 15, and 16
- to BOSE speaker amp. terminals 23, 24, 25, 26, 27, 28, 29, and 30.

Audio signals are amplified by the BOSE speaker amp.

The amplified audio signals are supplied

- through BOSE speaker amp. terminals 13, 14, 15, and 16
- to terminals 1 and 2 of front door speaker LH and RH
- to terminals 1 and 2 of tweeter LH and RH,
- through BOSE speaker amp. terminals 9, 10, 11, and 12
- to terminals 1 and 2 of rear door speaker LH and RH,
- through BOSE speaker amp. terminals 2, 3, 18 and 19
- to terminals 1 and 2 of woofer LH and RH.

Without Telephone System

When one of steering wheel audio control switches is pressed to volume up seek up or mode ON, the resistance in steering wheel audio control switch circuit changes depending on which button is pressed. This will change the output voltage.

Power is supplied

- from audio unit terminal 22
- through combination switch (spiral cable) terminals 24 and 20
- to steering wheel audio control switch.

Ground is supplied

- from steering wheel audio control switch
- through combination switch (spiral cable) terminals 17 and 31
- to audio unit terminal 25.

When one of steering wheel audio control switches is pressed to volume down, seek down or power ON, the resistance in steering wheel audio control switch circuit changes depending on which button is pressed. This will change the output voltage.

Power is supplied

- from audio unit terminal 23
- through combination switch (spiral cable) terminals 32 and 16
- to steering wheel audio control switch.

Ground is supplied

- from steering wheel audio control switch
- through combination switch (spiral cable) terminals 17 and 31
- to audio unit terminal 25.

With Telephone System

When one of steering wheel audio control switches is pressed to volume up, seek up or PTT ON, the resistance in steering wheel audio control switch circuit changes depending on which button is pressed. This will change the output voltage.

Power is supplied

- from audio unit terminal 12
- through combination switch (spiral cable) terminals 24 and 20
- to steering wheel audio control switch.

Ground is supplied

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- from steering wheel audio control switch
- through combination switch (spiral cable) terminals 17 and 31
- to audio unit terminal 14.

When one of steering wheel audio control switches is pressed to volume down, seek down or mode ON, the resistance in steering wheel audio control switch circuit changes depending on which button is pressed. This will change the output voltage.

Power is supplied

- from audio unit terminal 13
- through combination switch (spiral cable) terminals 32 and 16
- to steering wheel audio control switch.

Ground is supplied

- from steering wheel audio control switch
- through combination switch (spiral cable) terminals 17 and 31
- to audio unit terminal 14.

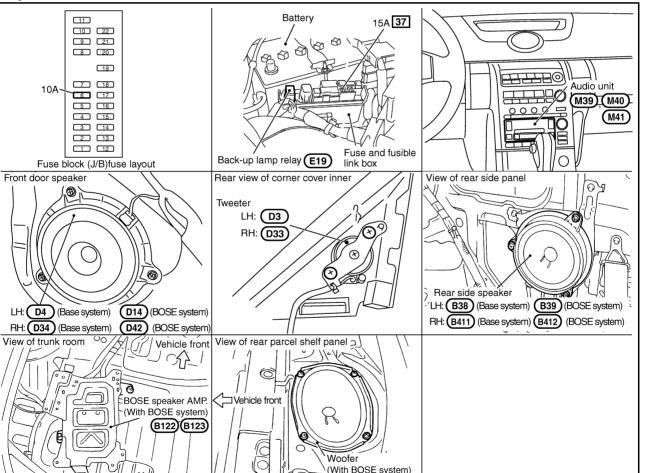
SPEED SENSITIVE VOLUME SYSTEM

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

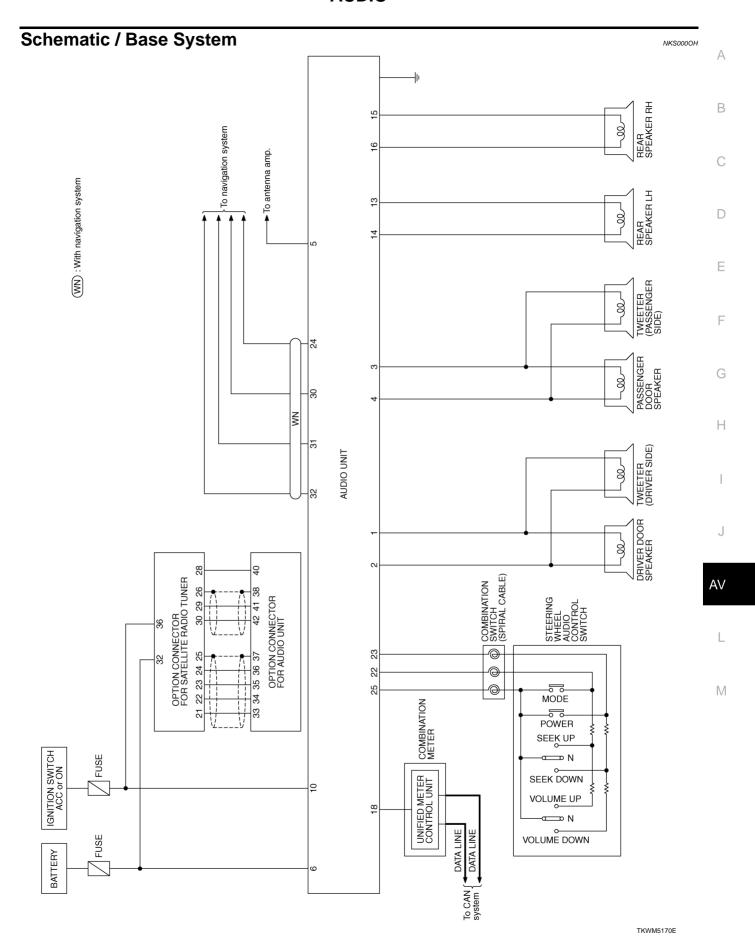
NKS002F2

PKIA4570E

Component Parts Location

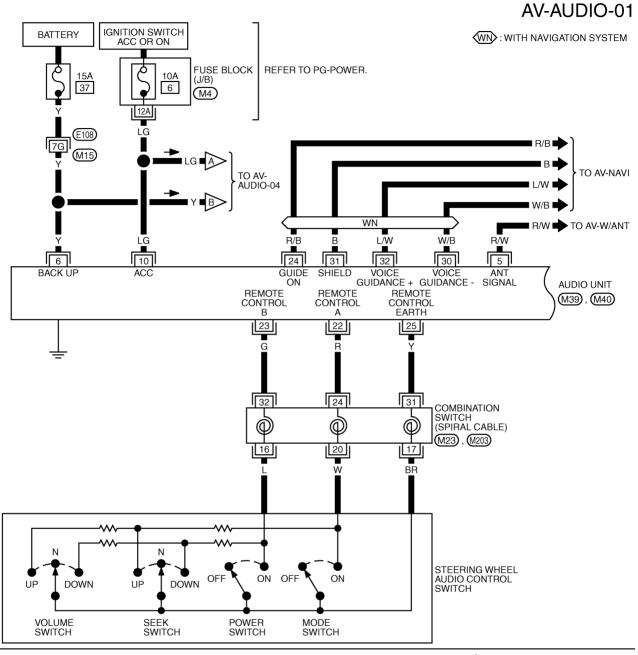


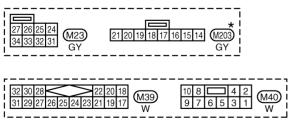
LH:(B120)RH:(B121)



Wiring Diagram —AUDIO— / Base System

NKS0000I





REFER TO THE FOLLOWING.

E108 -SUPER MULTIPLE JUNCTION (SMJ)

M4 -FUSE BLOCK-JUNCTION BOX (J/B)

 $\star:$ THIS CONNECTOR IS NOT SHOWN IN "HARNESS LAYOUT", PG SECTION.

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