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#### BLUETOOTH® AUDIO (if so equipped)

If you have a compatible Bluetooth® audio device that is capable of playing audio files, the device can be connected to the vehicle's audio system so that the audio files on the device play through the vehicle's speakers.

Monitor, climate, audio, phone and voice recognition systems 4-91

Note to reviewers: Bluetooth audio is new to our books. Please confirm if this text is complete and provide any necessary information that may need to be added.

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3. Touch the "Connect Bluetooth" key.

4-92 Monitor, climate, audio, phone and voice recognition systems

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Monitor, climate, audio, phone and voice recognition systems 4-93

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b. The Device Name and Device Address are displayed on the screen. Touch the "Select" key to make this device the active Bluetooth<sup>®</sup> audio player. Touch the "Edit" key to edit the details of the player, such as Device Name. Touch the "Delete" key to delete the device.



### CD/CF (CompactFlash®) CARE AND CLEANING

CD:

- Handle a CD by its edges. Do not bend the disc. Never touch the surface of the disc.
- Always place the discs in the storage case when they are not being used.
- To clean a disc, wipe the surface from the center to the outer edge using a clean, soft cloth. Do not wipe the disc using a circular motion.

4-94 Monitor, climate, audio, phone and voice recognition systems

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- Do not use a conventional record cleaner or alcohol intended for industrial use.
- A new disc may be rough on the inner and outer edges. Remove the rough edges by rubbing the inner and outer edges with the side of a pen or pencil as illustrated.



- Do not store the cards in highly humid locations.
- Do not expose the cards to direct sunlight.
- Do not spill any liquids on the cards.

Refer to the <u>CompactFlash®</u> card Owner's Manual for more details.

#### **CAUTION** Do not force the <u>CompactFlash®</u> card into the <u>CompactFlash®</u> player slot. Forcing the CF card could damage the pins inside the CF player slot, especially if the CF card is upside down or backwards.

- Never touch the terminal portion of the <u>Com-</u> <u>pactFlash®</u> cards. Do not bend the cards.
  - Always place the cards in the storage case when they are not being used.
  - Do not place heavy objects on the cards.

#### Monitor, climate, audio, phone and voice recognition systems 4-95

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- Туре А
- 1. Power on and SOURCE select switch
- 2. Tuning switch
- 3. Volume control switch



- Power on and SOURCE select switch
   ENTER tuning switch
- ENTER tuning switch
   Volume control switch

#### STEERING WHEEL SWITCH FOR AUDIO CONTROL

The audio system can be operated using the controls on the steering wheel.

#### POWER on switch

With the ignition switch in the ACC or ON position, push the SOURCE switch to turn the audio system on.

#### 4-96 Monitor, climate, audio, phone and voice recognition systems

#### SOURCE select switch

Push the source select switch to change the mode in the following sequence:  $AM \rightarrow FM \rightarrow iPod^{\oplus*4}$  (if so equipped)  $\rightarrow Music Box^{*2}$  (if so equipped)  $\rightarrow CD^{*1} \rightarrow CompactFlash^{TM*1}$  (if so equipped)  $\rightarrow AUX^{*3}$ .

\*1: These modes are only available when compatible media storage is inserted into the device.

\*2: This mode is only available when music has been downloaded into the Music Box hard-disk drive audio system.

\*3: This mode is only available when a compatible auxiliary device is plugged into the AUX jack.

\*4: This mode is only available when a compatible iPod® is connected.

#### Volume control switch

Push the volume control switch to increase or decrease the volume.



#### Memory change (radio):

Push the tuning switch ( ▼ or ▲ ) for less than 1.5 seconds to change presets.

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Reviewers: Please see "Attachment 4-B" on following page for rear audio controls that will appear here. Please confirm if these controls will be available.

#### Seek tuning (radio):

Push the tuning switch (  $\checkmark$  or  $\blacktriangle$  ) for more than 1.5 seconds to seek the next or previous radio station.

#### Next/Previous track (CD/CF):

Push the tuning switch ▼ or ▲ for less than 1.5 seconds to return to the beginning of the present track or skip to the next track. Push several times to skip back or skip through tracks.

This system searches for the blank intervals between selections. If there is a blank interval within 1 program or there is no interval between programs, the system may not stop in the desired or expected location.

Next/Previous track (Music Box):

Push the tuning switch ▼ or ▲ for less than 1.5 seconds to return to the beginning of the present track or skip to the next track. Push several times to skip back or skip through tracks.

Push and hold the tuning switch ▼ or ▲ for more than 1.5 seconds to change playlists. When the last playlist is playing, the next playlist will be selected.

#### Next/Previous track (iPod®):

Push the tuning switch  $\checkmark$  or  $\blacktriangle$  for less than 1.5 seconds to return to the beginning of the present track or skip to the next track. Push several times to skip back or skip through tracks.

Push and hold the tuning switch  $\checkmark$  or  $\blacklozenge$  for more than 1.5 seconds to rewind or fast forward the current track. When the switch is released the track will be played normally.

#### Change disc (CD) (if so equipped):

Push the tuning switch ▼ or ▲ for more than 1.5 seconds to change the playing disc up or down.

#### ANTENNA

#### Window antenna

The antenna pattern is printed inside the rear window.

#### 

• Do not place metalized film near the rear window glass or attach any metal parts to it. This may cause poor reception or noise. • When cleaning the inside of the rear window, be careful not to scratch or damage the rear window antenna. Lightly wipe along the antenna with a dampened soft cloth.

Monitor, climate, audio, phone and voice recognition systems 4-97

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### **Attachment 4-B**

Reviewers: Please confirm that 2010 Maxima NAM will have rear seat HVAC controls. If controls are present, please provide rear switch operations for USB interface and Bluetooth audio, since these could not be validated on vehicle.



LHA1142

- VOL (volume) control switch
   TUNE/TRACK switch
- 3. ON/OFF button
- 3. ON/OFF button
- 4. SRC (source) select button
- 5. Display

### REAR AUDIO CONTROLS (if so equipped)

The audio system can also be operated using the rear controls.

For information on canceling the rear seat controller, see "Rear control cancel switch (if so equipped)" in the "Instruments and controls" section.

#### ON/OFF button:

With the ignition switch placed in the ACC or ON position, press the ON/OFF button to turn the audio system on or off.

VOL (volume) control switch:

Push the  $\uparrow$  side of the switch to increase the volume or push the  $\checkmark$  side of the switch to decrease the volume.

#### SRC (source) button:

Press the SRC button to change the audio mode.

TUNE/TRACK control switch:

#### Radio:

• Push the ^ or ` side of the switch to select the next or previous preset station.

• Push and hold the  $\land$  or  $\checkmark$  side of the switch to select the next or previous station.

#### CD:

• Push the  $\land$  or  $\checkmark$  side of the switch to select the next track or the beginning of the current track.

#### CD/CF (if so equipped) with MP3/WMA:

- Push the ^ or ` side of the switch to select the next track or the beginning of the current track.
- Push and hold the 
   or 
   side of the switch to change folders.

#### iPod® (if so equipped):

• Push the ^ or ` side of the switch to select the next or previous track.

### Music Box hard-disk drive audio system (if so equipped):

- Push the  $\land$  or  $\checkmark$  side of the switch to select the next or the beginning of the current track.
- Push and hold the ^ or ` side of the switch to change the playlist.

0-1

I REVIEW COPY—2009 Maxima (max) Owners Manual (owners)—USA\_English (nna) 04/13/09—root আ Note to reviewers: This section represents Gen3 Bluetooth Hands-Free Phone for non-Navi vehicles. Our vehicle was not to up-to-date with this software, so text was borrowed from All-Model Bluetooth and QRG and Sentra NAM. Please advise if this text is correct/complete.

#### **CAR PHONE OR CB RADIO**

When installing a CB, ham radio or car phone in your NISSAN, be sure to observe the following precautions; otherwise, the new equipment may adversely affect the engine control system and other electronic parts.

#### WARNING

- A cellular telephone should not be used while driving so full attention may be given to vehicle operation. Some jurisdictions prohibit the use of cellular telephones while driving.
- If you must make a call while your vehicle is in motion, the hands free cellular phone operational mode (if so equipped) is highly recommended. Exercise extreme caution at all times so full attention may be given to vehicle operation.
- If you are unable to devote full attention to vehicle operation while talking on the phone, pull off the road to a safe location and stop your vehicle.

#### 

- Keep the antenna as far away as possible from the electronic control modules.
- 4-98 Monitor, climate, audio, phone and voice recognition systems

- Keep the antenna wire more than 8 in (20 cm) away from the electronic control system harnesses. Do not route the antenna wire next to any harness.
- Adjust the antenna standing-wave ratio as recommended by the manufacturer.
- Connect the ground wire from the CB radio chassis to the body.
- For details, consult a NISSAN dealer.

#### BLUETOOTH® HANDS-FREE PHONE SYSTEM WITHOUT NAVIGATION SYSTEM (if so equipped)

#### **WARNING**

- Use a phone after stopping your vehicle in a safe location. If you have to use a phone while driving, exercise extreme caution at all times so full attention may be given to vehicle operation.
- If you are unable to devote full attention to vehicle operation while talking on the phone, pull off the road to a safe location and stop your vehicle.

#### **CAUTION**

To avoid discharging the vehicle battery, use a phone after starting the engine.

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Your NISSAN is equipped with the Bluetooth<sup>®</sup> Hands-Free Phone System. If you have a compatible Bluetooth<sup>®</sup> enabled cellular phone, you can set up the wireless connection between your cellular phone and the in-vehicle phone module. With Bluetooth<sup>®</sup> wireless technology, you can make or receive a hands-free telephone call with your cellular phone in the vehicle.

Once your cellular phone is paired to the invehicle phone module, no other phone connecting procedure is required. Your phone is automatically connected with the in-vehicle phone module when the ignition switch is placed in the ON position with the paired cellular phone turned on and carried in the vehicle.

You can register up to 5 different Bluetooth<sup>®</sup> cellular phones to the in-vehicle phone module. However, you can talk on only one cellular phone at a time.

Before using the Bluetooth® Hands-Free Phone System, refer to the following notes.

- Set up the wireless connection between a compatible cellular phone and the in-vehicle phone module before using the hands-free phone system.
- Some Bluetooth<sup>®</sup> enabled cellular phones may not be recognized by the in-vehicle phone module. Please visit www.nissanusa.com/bluetooth for a recommended phone list and pairing.
- You will not be able to use a hands-free phone under the following conditions:
  - Your vehicle is outside of the cellular service area.
  - Your vehicle is in an area where it is difficult to receive a cellular signal; such as in a tunnel, in an underground parking garage, near a tall building or in a mountainous area.

Monitor, climate, audio, phone and voice recognition systems 4-99

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- Your cellular phone is locked to prevent it from being dialed.
- When the radio wave condition is not ideal or ambient sound is too loud, it may be difficult to hear the other person's voice during a call.
- Do not place the cellular phone in an area surrounded by metal or far away from the in-vehicle phone module to prevent tone quality degradation and wireless connection disruption.
- While a cellular phone is connected through the Bluetooth<sup>®</sup> wireless connection, the battery power of the cellular phone may discharge quicker than usual. The Bluetooth<sup>®</sup> Hands-Free Phone System cannot charge cellular phones.
- If the hands-free phone system seems to be malfunctioning, see "Troubleshooting guide"
- in this section. You can also visit www.nissanusa.com/bluetooth for troubleshooting help.
- Some cellular phones or other devices may cause interference or a buzzing noise to come from the audio system speakers. Storing the device in a different location may reduce or eliminate the noise.

• Refer to the cellular phone Owner's Manual regarding the telephone charges, cellular phone antenna and body, etc.

#### **REGULATORY INFORMATION**

FCC Regulatory information

- CAUTION: To maintain compliance with FCC's RF exposure guidelines, use only the supplied antenna. Unauthorized antenna, modification, or attachments could damage the transmitter and may violate FCC regulations.
- Operation is subject to the following two conditions:
- 1. This device may not cause interference and
- this device must accept any interference, including interference that may cause undesired operation of the device.
- IC Regulatory information
- Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.
- This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Bluetooth®

BLUETOOTH<sup>®</sup> is a trademark owned by Bluetooth SIG, Inc., U.S.A. and licensed to Visteon.

#### USING THE SYSTEM

The NISSAN Voice Recognition system allows hands-free operation of the Bluetooth<sup>®</sup> Phone System.

If the vehicle is in motion, some commands may not be available so full attention may be given to vehicle operation.

#### Initialization

When the ignition switch is placed in the ON position, NISSAN Voice Recognition is initialized, which takes a few seconds. If the fix button is pressed before the initialization completes, the system will announce "Hands-free phone system not ready" and will not react to voice commands.

#### Operating tips

To get the best performance out of the NISSAN Voice Recognition system, observe the following:

#### 4-100 Monitor, climate, audio, phone and voice recognition systems

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- Keep the interior of the vehicle as quiet as possible. Close the windows to eliminate surrounding noises (traffic noises, vibration sounds, etc.), which may prevent the system from recognizing voice commands correctly.
- Wait until the tone sounds before speaking a command. Otherwise, the command will not be received properly.
- Start speaking a command within 5 seconds after the tone sounds.
- Speak in a natural voice without pausing between words.

#### Giving voice commands

To operate NISSAN Voice Recognition, press and release the the button located on the steering wheel. After the tone sounds, speak a command.

The command given is picked up by the microphone, and voice feedback is given when the command is accepted.

• If you need to hear the available commands for the current menu again, say "Help" and the system will repeat them.

- If a command is not recognized, the system announces, "Command not recognized. Please try again." Repeat the command in a clear voice.
- If you want to go back to the previous command, you can say "Go back" or "Correction" any time the system is waiting for a response.
- You can cancel a command when the system is waiting for a response by saying, "Cancel" or "Quit". The system announces "Cancel" and ends the VR session. You can also press the button on the steering wheel at any time. Whenever the VR session is cancelled, a double beep is played to indicate you have exited the system.
- If you want to adjust the volume of the voice feedback, press the volume control switches (+ or -) on the steering wheel while being provided with feedback. You can also use the radio volume control knob.
- In most cases you can interrupt the voice feedback to speak the next command by pressing the button on the steering wheel.

 To speed the operation you can say multiple commands. For example, press the full button then say "Phonebook, New entry" rather than "Phonebook." Wait for the voice feedback prompt then say "New entry".

#### How to say numbers

NISSAN Voice Recognition requires a certain way to speak numbers in voice commands. Refer to the following rules and examples.

• Either "zero" or "oh" can be used for "0".

Example: 1-800-662-6200

- "One eight oh oh six six two six two oh oh", or
- "One eight zero zero six six two six two oh oh"
- Words can be used for the first 4 digits places only.

Example: 1-800-662-6200

- "One eight hundred six six two six two oh oh",
- NOT "One eight hundred six six two sixty two hundred, and
- NOT "One eight oh oh six six two sixty two hundred.

#### Monitor, climate, audio, phone and voice recognition systems 4-101

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 Numbers can be spoken in small groups. The system will prompt you to continue entering digits, if desired.

Example: 1-800-662-6200

- "One eight zero zero"

The system repeats the numbers and prompts you to enter more.

- "six six two"

The system repeats the numbers and prompts you to enter more.

- "six two zero zero"

- Say "pound" for "#". Say "star" for "\*" (available when using the "Call International" command and the "Send" command during a call).
- Say "plus" for "+" (available only when using the "Call International" command).
- Say "pause" for a 2 second pause (available only when storing a phone book number).
- You can say "star" for "\*" and "pound" for "#" at any time in any position of the phone number (available only when using "Call International" command).

See "List of voice commands" and "International" in this section for more information.

4-102 Monitor, climate, audio, phone and voice recognition systems

Example: 1-555-1212 \*123

 "One five five five one two one two star one two three"

#### NOTE:

### For best results, say phone numbers as single digits.

The voice command "Help" is available at any time. Please use the "Help" command to get information on how to use the system.



#### CONTROL BUTTONS

The control buttons for the  $\mathsf{Bluetooth}^\circledast$  Hands-Free Phone System are located on the steering wheel.

C PHONE/SEND

Press the Cost button to initiate a VR session or answer an incoming call.

You can also use the **f** button to skip through system feedback and to enter commands during a call. See "List of voice commands" and "During a call" in this section for more information.

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#### PHONE/END

Press the for button to cancel a VR session or end a call.

#### **GETTING STARTED**

The following procedures will help you get started using the Bluetooth<sup>®</sup> Hands-Free Phone System with NISSAN Voice Recognition. For additional command options, refer to "List of voice commands" in this section.

#### Choosing a language

You can interact with the Bluetooth® Hands-Free Phone System using English, Spanish or French.

To change the language, perform the following.

- 1. Press and hold the the button for more than 5 seconds.
- 2. The system announces: "Press the PHONE/SEND ( ) button for the hands-free phone system to enter the speaker adaptation mode or press the PHONE/END ( ) button to select a different language."
- 3. Press the 🖚 button.

- For information on speaker adaptation, see "Speaker adaptation (SA) mode" in this section.
- 4. The system announces the current language and gives you the option to change the language to Spanish (in Spanish) or French (in French). Use the following chart to select the language.

#### NOTE:

### You must press the **f** button or the button within 5 seconds to change the language.

	Press	Press
language	(PHONE/SEND) to select	(PHONE/END)
English	Spanish	French
Spanish	English	French
French	English	Spanish

 If you decide not to change the language, do not press either button. After 5 seconds, the VR session will end, and the language will not be changed.

#### Pairing procedure

#### NOTE:

The pairing procedure must be performed when the vehicle is stationary. If the vehicle starts moving during the procedure, the procedure will be cancelled.

#### Main Menu

<u>"Connect phone" (A)</u> <u>"Add phone" (B)</u>

Initiate from handset (C)

- <u>Name phone (D)</u>
- 1. Press the use button on the steering wheel. The system announces the available commands.
- Say: "Connect phone" (A). The system acknowledges the command and announces the next set of available commands.
- 3. Say: "Add phone" (B). The system acknowledges the command and asks you to initiate pairing from the phone handset (C).

The pairing procedure of the cellular phone varies according to each cellular phone model. See the cellular phone Owner's Manual for details. You can also visit www.nissanusa.com/bluetooth for instruc-

Monitor, climate, audio, phone and voice recognition systems 4-103

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tions on pairing NISSAN recommended cellular phones.

When prompted for a Passkey code, enter "1234" from the handset. The Passkey code "1234" has been assigned by NISSAN and cannot be changed.

 The system asks you to say a name for the phone D.

If the name is too long or too short, the system tells you, then prompts you for a name again.

Also, if more than one phone is paired and the name sounds too much like a name already used, the system tells you, then prompts you for a name again.

Making a call by entering a phone number

Main Menu "Call" (À Number (speak digits) (B)

"Dial" 🛈

1. Press the Code button on the steering wheel. A tone will sound.

2. Say: "Call" (a). The system acknowledges the command and announces the next set of available commands.

Say: "Call International" to dial more than 10 digits or any special characters.

- 3. Say the number you wish to call starting with the area code in single digit format (B). If the system has trouble recognizing the correct phone number, try entering the number in the following groups: 3-digit area code, 3-digit prefix and the last 4-digits. For example, 555-121-3354 can be said as "five five five" as the 1st group, then "one two one" as the 2nd group, and "three three five four" as the 3rd group. For dialing more than 10 digits or any special characters, say "International". See "How to say numbers" in this section, for more information.
- 4. When you have finished speaking the phone number, the system repeats it back and announces the available commands.
- 5. Say: "Dial" C. The system acknowledges the command and makes the call.

For additional command options, see "List of voice commands" in this section.

#### Receiving a call

When you hear the ring tone, press the  $f_{\rm ms}$  button on the steering wheel.

Once the call has ended, press the for button on the steering wheel.

#### NOTE:

### If you do not wish to take the call when you hear the ring tone, press the **r** button on the steering wheel.

For additional command options, see "List of voice commands" in this section.

#### LIST OF VOICE COMMANDS

Main Menu	
"Call" or "Call International"	
<u>"Phonebook"</u>	
<u>"Memo Pad"</u>	
<u>"Setup"</u>	
_	

When you press and release the button on the steering wheel, you can choose from the commands on the Main Menu. The following pages describe these commands and the commands in each sub-menu.

#### 4-104 Monitor, climate, audio, phone and voice recognition systems

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 Owners Manual (owners)—USA\_English (nna) 04/13/09—root S

### Remember to wait for the tone before speaking.

You can say "Help" to hear the list of commands currently available any time the system is waiting for a response.

If you want to end an action without completing it, you can say "Cancel" or "Quit" at any time the system is waiting for a response. The system will end the VR session. Whenever the VR session is cancelled, a double beep is played to indicate you have exited the system.

If you want to go back to the previous command, you can say "Go back" or "Correction" any time the system is waiting for a response.

When you get used to the menus in the system, you can talk ahead by saying more than one command at a time. For example, say, "Call five five five one two one two" or "Memo pad record."

Also, when you get used to the system responses, you can skip ahead to the tone by pressing the  $f_{MS}$  button on the steering wheel. However, if you press the  $f_{MS}$  button when the system is waiting for a response from you it will end the VR session.

- -

#### "Call"

#### Main Menu

"Call" or "Call International"

Name (speak name) A

Number (speak digits) 🖲

"Redial" 🛈

"Call Back" D

#### <u>Name (speak name) (A)</u>

If you have stored entries in the phonebook, you can dial a number associated with a name and location.

See "Phonebook" in this section to learn how to store entries.

When prompted by the system, say the name of the phone book entry you wish to call. The system acknowledges the name.

If there are multiple locations associated with the name, the system asks you to choose the location.

Once you have confirmed the name and location, the system begins the call.

#### Number (speak digits) (B)

When prompted by the system, say the number you wish to call. Refer to "How to say numbers"

and "Making a call by entering a phone number" in this section for more details.

#### "Redial" ©

Use the Redial command to call the last number that was dialed within the vehicle.

#### NOTE:

### The system will not redial the last number dialed by the handset keypad.

The system acknowledges the command, repeats the number and begins dialing.

If a redial number does not exist, the system announces, "There is no number to redial" and ends the VR session.

#### "Call back" D

Use the Call Back command to dial the number of the last incoming call within the vehicle.

The system acknowledges the command, repeats the number and begins dialing.

If a call back number does not exist, the system announces, "There is no number to call back" and ends the VR session.

#### International

For dialing more than 10 digits or any special characters, please say "international". When the

Monitor, climate, audio, phone and voice recognition systems 4-105

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#### **During a call**

During a call there are several command options available. Press the  $f_{\rm uc}$  button on the steering wheel to mute the receiving voice and enter commands.

- "Help" The system announces the available commands.
- "Go back/Correction" The system announces "Go back," ends the VR session and returns to the call.
- "Cancel/Quit" The system announces "Cancel," ends the VR session and returns to the call.
- "Send/Enter/Call/Dial" Use the Send command to enter numbers, "\*" or "#" during a call. For example, if you were directed to dial an extension by an automated system:

Say: "Send one two three four."

The system acknowledges the command and sends the tones associated with the numbers. The system then ends the VR session and returns to the call. Say "star" for "\*", Say "pound" for "#".

4-106 Monitor, climate, audio, phone and voice recognition systems

 "Transfer call" — Use the Transfer Call command to transfer the call from the Bluetooth<sup>®</sup> Hands-Free Phone System to the cellular phone when privacy is desired.

The system announces, "Transfer call. Call transferred to privacy mode." The system then ends the VR session.

You can also issue the Transfer Call command again to return to a hands-free call through the vehicle.

 "Mute" — Use the Mute command to mute your voice so the other party cannot hear it. Use the mute command again to unmute your voice.

#### NOTE:

If a call is ended or the cellular phone network connection is lost while the Mute feature is on, the Mute feature will be reset to "off" for the next call so the other party can hear your voice.

<u>"Phonebook"</u>

#### NOTE:

<u>Phonebook commands are not available</u> when the vehicle is moving.

Main Menu	
<u>"Phor</u>	nebook"
	<u>"New Entry" (A)</u>
	<u>"Edit" (B)</u>
	<u>"Delete" (C)</u>
	<u>"List Names" (D</u>
	<u> "Record Name" (E)</u>

The phonebook stores up to 1000 names for each phone paired with the system. Each name can have up to 4 locations/phone numbers associated with it.

When a phone is connected to the system, the phonebook is automatically downloaded to the vehicle. This feature allows you to access your

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 Owners Manual (owners)—USA\_English (nna) 04/13/09—root S

phonebook from the Bluetooth® system and call contacts by name. You can record a custom voice tag for contact names that the system has difficulty recognizing. For more information see "List names" in this section.

#### NOTE:

Each phone has its own separate phonebook. You cannot access Phone A's phonebook if you are currently connected with Phone B.

#### "New entry" (A)

Use the New Entry command to store a new name in the system.

When prompted by the system, say the name you would like to give the new entry.

For example, say: "Mary."

If the name is too long or too short, the system tells you, then prompts you for a name again.

Also, if the name sounds too much like a name already stored, the system tells you, then prompts you for a name again.

Once the system accepts the name and you confirm it is correct, the system asks for a location (Home, Office, Mobile or Other).

For example, say: "Home."

The system acknowledges the location.

The system will ask you to say a phone number or to transfer a phone number stored in the cellular phone's memory.

Enter a phone number by voice command:

For example, say: "five five one two one two." See "How to say numbers" in this section for more information.

To transfer a phone number stored in the cellular phone's memory:

Say "Transfer entry." The system acknowledges the command and asks you to initiate the transfer from the phone handset. The new contact phone number will be transferred from the cellular phone via the Bluetooth<sup>®</sup> communication link.

The transfer procedure varies according to each cellular phone. See the cellular phone Owner's Manual for details. You can also visit www.nissanusa.com/bluetooth for instructions on transferring phone numbers from NISSAN recommended cellular phones.

The system repeats the number and prompts you for the next command. When you have finished entering numbers or transferring an entry, choose "Store."

The system confirms the name, location and number. The system then asks if you would like to

store another location for the same name. If you do not wish to store another location, the system ends the VR session.

#### "Edit" B

Use the Edit command to alter an existing phone book entry or to add a 2nd, 3rd or 4th phone number to an existing entry.

When prompted by the system, say the name of the entry you wish to edit.

The system acknowledges the name and asks you for the location you would like to edit.

Say the name of the location.

The system acknowledges the location.

The system will ask you to say a phone number or to transfer a phone number stored in the cellular phone's memory.

Enter a phone number by voice command:

For example, say: "five five five one two one two.
" See "How to say numbers" in this section for more information.

To transfer a phone number stored in the cellular phone's memory:

Say "Transfer entry." The system acknowledges the command and asks you to initiate the transfer from the phone handset. The new contact phone

Monitor, climate, audio, phone and voice recognition systems 4-107

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number will be transferred from the cellular phone via the Bluetooth® communication link.

The transfer procedure varies according to each cellular phone. See the cellular phone Owner's Manual for details. You can also visit www.nissanusa.com/bluetooth for instructions on transferring phone numbers from NISSAN recommended cellular phones.

The system repeats the number and prompts you for the next command. When you have finished entering numbers, choose "Store."

The system confirms the name, location and number, then announces that the entry has been stored. The system then ends the VR session.

#### "Delete" (C)

Use the Delete command to erase one entry from the phone book, all entries from the phone book, the current redial number or the current call back number.

To delete entries from the phone book, say a name or "All entries" when prompted by the system.

The system acknowledges the command and asks you to confirm the deletion.

To delete the current redial number or call back number, say "redial number" or "call back number" when prompted by the system.

4-108 Monitor, climate, audio, phone and voice recognition systems

If a redial number or a call back number exists, the system deletes them without asking for confirmation.

If there is no number for the entry you are trying to delete, the system says so and ends the VR session.

#### "List names" D

Use the List Names command to hear all the names and locations in the phone book.

The system recites the phone book entries but does not include the actual phone numbers. When the playback of the list is complete, the system goes back to the main menu.

You can stop the playback of the list at any time by pressing the **••** button on the steering wheel. The system ends the VR session.

#### "Record name" (E)

The system allows you to record custom voice tags for contact names in the phonebook that the vehicle has difficulty recognizing. This feature can also be used to record voice tags to directly dial an entry with multiple numbers. Up to 40 voice tags can be recorded to the system.

#### "Memo pad"

Main Menu
"Memo Pad"
"Record" (A
"Play" (B)
"Delete" 🛈

The Memo Pad records a maximum of 6 voice memos, each up to 20 seconds long.

#### "Record" (A)

The system announces "Recording" and a tone sounds, signaling you to begin.

Speak the information you wish to record clearly. When you are done, press the  $f_{MP}$  or  $f_{MP}$  or button on the steering wheel.

A tone sounds and the system announces "Memo recorded." Another tone sounds to end the VR session.

If the memo pad is full, the system asks if you wish to record over the oldest memo.

#### "Play" B

The system plays back all the memos in the order of newest to oldest. The system ends the VR session.

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If there are no memos recorded, the system announces "No messages to play." The system ends the VR session.

#### "Delete" (C)

The Delete command erases all memos. The system asks you to confirm this action before deleting all memos.

#### "Setup"



Use the Setup command to change options associated with the Bluetooth<sup>®</sup> Hands-Free Phone System.

#### "Pair phone" (A)

Use the Pair Phone command to pair a compatible phone to the Bluetooth<sup>®</sup> Hands-Free Phone System.

#### NOTE:

The pairing procedure must be performed when the vehicle is stationary. If the vehicle starts moving during the procedure, the procedure will be cancelled. Also, see "Pairing procedure" in this section for additional information.

Up to 5 phones can be paired. If you try to pair a sixth phone, the system announces that you must first delete one phone or replace an existing phone.

If you try to pair a phone that has already been paired to your vehicle's system, the system announces the name the phone is already using. The pairing procedure will then be cancelled.

When prompted by the system, choose from the following commands:

- "New phone" Refer to "Pairing a phone" in this section.
- "Replace phone" The system announces the names of the phones already paired and asks which you would like to replace.

Once you say the name of the phone you wish to replace, the pairing procedure will begin. Refer to "Pairing procedure" in this section.

"List phone" – See the description below.

#### "List phone" (B)

Use the List Phone command to hear the names of the phones currently paired. If no phones are paired, the system announces, "No paired phones to list." The system then ends the VR session.

#### "Select phone" ©

Use the Select Phone command to select a phone of lesser priority when two or more phones paired with Bluetooth<sup>®</sup> Hands-Free Phone System are in the vehicle at the same time.

The system asks you to name the phone and confirm the selection.

Once the selection is confirmed, the selected phone remains active until the ignition switch is placed in the OFF position or you select a new phone.

#### "Change priority" D

Use the Change Priority command to change the priority level of the active phone.

The priority level determines which phone is active when more than one paired Bluetooth<sup>®</sup> phone is in the vehicle.

#### Monitor, climate, audio, phone and voice recognition systems 4-109

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 Owners Manual (owners)—USA\_English (nna) 04/13/09—root S

The system states the priority level of the active phone and asks for a new priority level (1, 2, 3, 4, 5).

If the new priority level is already being used for another phone, the two phones will swap priority levels.

For example, if the current priority levels are:

Priority Level 1 = Phone A Priority Level 2 = Phone B Priority Level 3 = Phone C

and you change the priority level of Phone C to Level 1, then:

Priority Level 1 = Phone C Priority Level 2 = Phone B Priority Level 3 = Phone A

#### "Delete phone" (E)

Use the Delete Phone command to delete a specific phone or all phones from the Bluetooth<sup>®</sup> Hands-Free Phone System.

The system announces the names of the phones already paired with the system and their priority level. The system then gives you the option to delete a specific phone, all phones or listen to the list again.

Once you choose to delete a phone or all phones, the system asks you to confirm this action.

#### 4-110 Monitor, climate, audio, phone and voice recognition systems

#### NOTE:

When you delete a phone, the associated phone book for that phone will also be deleted.

#### "Select ringtone" (F)

Use the Select Ringtone command to select the tone heard in the vehicle when an incoming call is received.

The system announces the name of the active phone and asks you to choose from the following commands:

- "Ringtone" The system plays a ringtone and asks if you would like to select that tone. If you say "No", the system plays the next ringtone available and continues to cycle through the ringtones until you select one or quit.
- "Silent" The system asks you to confirm your wish to disable the ringtone.

#### "Bluetooth off" (G)

Use the Bluetooth Off command to turn off the Bluetooth  $^{\tiny (\! B\!)}$  Hands-Free Phone System.

When the Bluetooth<sup>®</sup> Hands-Free Phone System is off, you will not be able to make or receive calls using NISSAN Voice Recognition. Also, you will not have access to the Phone Book.

You can still use the Memo Pad and access Setup.

#### SPEAKER ADAPTATION (SA) MODE

Speaker Adaptation allows up to two out-ofdialect users to train the system to improve recognition accuracy. By repeating a number of commands, the users can create a voice model of their own voice that is stored in the system. The system is capable of storing a different speaker adaptation model for memory A and memory B.

If memory A is available, the system will use memory A to store the model. If memory A is in use and memory B is available, the system will use memory B to store the model. If both of the memory locations are in use, the system will ask the user to select which memory location should be overwritten.

#### Training procedure

The procedure for training a voice is as follows.

- 1. Position the vehicle in a reasonably quiet outdoor location.
- 2. Sit in the driver's seat with the engine running, the parking brake on, and the transmission in P (Park).
- 3. Press and hold the the button for more than 5 seconds.

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 Owners Manual (owners)—USA\_English (nna) 04/13/09—root S

- 4. The system announces: "Press the PHONE/SEND ( ) button for the hands-free phone system to enter the speaker adaptation mode or press the PHONE/END ( ) button to select a different language."
- 5. Press the button.

For information on selecting a different language, see "Choosing a language" in this section.

- 6. Voice memory A or memory B is selected automatically. If both memory locations are already in use, the system will prompt you to overwrite one. Follow the instructions provided by the system.
- When preparation is complete and you are ready to begin, press the Cut button.
- 8. The SA mode will be explained. Follow the instructions provided by the system.
- 9. When training is finished, the system will tell you an adequate number of phrases have been recorded.
- The system will ask you to say your name.
   Follow the instructions to register your name.

 The system will announce that speaker adaptation has been completed and the system is ready.

The SA mode will stop if:

- The button is pressed for more than 5 seconds in SA mode.
- The vehicle begins moving during SA mode.
- The ignition switch is placed in the OFF or LOCK position.

#### Training phrases

During the SA mode, the system instructs the trainer to say the following phrases. (The system will prompt you for each phrase.)

- phone book new entry
- dial three oh four two nine
- delete call back number
- setup pair phone
- memo pad play
- eight pause nine three two pause seven
- delete all entries
- call seven two four zero nine
- phone book delete entry

- memo pad record
- dial star two one seven oh
- Yes
- No
- select ring tone
- dial eight five six nine two
- Bluetooth on
- setup change priority
- call three one nine oh two
- nine seven pause pause three oh eight
- Cancel
- call back number
- call star two zero nine five
- delete phone
- dial eight three zero five one
- Home
- four three pause two nine pause zero
- delete redial number
- phone book list names
- call eight oh five four one

Monitor, climate, audio, phone and voice recognition systems 4-111

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- Correction
- setup change ring tone
- dial seven four oh one eight
- setup main menu

memo pad delete

- Delete
- dial nine seven two six six

call seven six three oh one ۲ go back

•

- call five six two eight zero ۲
- dial six six four three seven

#### TROUBLESHOOTING GUIDE

The system should respond correctly to all voice commands without difficulty. If problems are encountered, try the following solutions.

Where the solutions are listed by number, try each solution in turn, starting with number 1, until the problem is resolved.

Symptom	Solution		
	1. Ensure that the command is valid. See "List of voice commands" in this section.		
System fails to interpret the command correctly.	2. Ensure that the command is spoken after the tone.		
	3. Speak clearly without pausing between words and at a level appropriate to the ambient noise level in the vehicle.		
	4. Ensure that the ambient noise level is not excessive (for example, windows open or defroster on). NOTE: If it is too noisy to use the phone, it is likely that the voice commands will not be recognized.		
	5. If more than one command was said at a time, try saying the commands separately.		
	6. If the system consistently fails to recognize commands, the voice training procedure should be carried out to improve the recognition response for the speaker. See "Speaker adaptation (SA) mode" in this section.		
The system consistently selects the wrong entry from the	1. Ensure that the phone book entry name requested matches what was originally stored. This can be confirmed by using the "List Names" command. See "Phone book" in this section.		
рпопе воок.	2. Replace one of the names being confused with a new name.		

4-112 Monitor, climate, audio, phone and voice recognition systems

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#### BLUETOOTH® HANDS-FREE PHONE SYSTEM WITH NAVIGATION SYSTEM (if so equipped)

Your NISSAN is equipped with the Bluetooth® Hands-Free Phone System. If you have a compatible Bluetooth® enabled cellular phone, you can set up the wireless connection between your cellular phone and the in-vehicle phone module. With Bluetooth® wireless technology, you can make or receive a hands-free telephone call with your cellular phone in the vehicle.

Once your cellular phone is paired to the invehicle phone module, no other phone connecting procedure is required. Your phone is automatically connected with the in-vehicle phone module when the ignition switch is placed in the

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- Use a phone after stopping your vehicle in a safe location. If you have to use a phone while driving, exercise extreme caution at all times so full attention may be given to vehicle operation.
- If you are unable to devote full attention to vehicle operation while talking on the phone, pull off the road to a safe location and stop your vehicle.

#### 

To avoid discharging the vehicle battery, use a phone after starting the engine.

ON position with the paired cellular phone turned on and carried in the vehicle.

You can register up to 5 different Bluetooth® cellular phones to the in-vehicle phone module. However, you can talk on only one cellular phone at a time.

NISSAN Voice Recognition system supports the phone commands, so dialing a phone number using your voice is possible. For more details, see "NISSAN Voice Recognition System" in this section.

**≺()()⊢** 

Before using the Bluetooth<sup>®</sup> Hands-Free Phone System, refer to the following notes.

- Set up the wireless connection between a cellular phone and the in-vehicle phone module before using the hands-free phone system.
- Some Bluetooth<sup>®</sup> enabled cellular phones may not be recognized by the in-vehicle phone module. Please visit www.nissanusa.com/bluetooth for a recommended phone list and pairing.

Monitor, climate, audio, phone and voice recognition systems 4-113

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4-114 Monitor, climate, audio, phone and voice recognition systems

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 Owners Manual (owners)—USA\_English (nna) 04/13/09—root S

- Some cellular phones or other devices may cause interference or a buzzing noise to come from the audio system speakers. Storing the device in a different location may reduce or eliminate the noise.
- Refer to the cellular phone owner's manual regarding the telephone charges, cellular phone antenna and body, etc.
- The signal strength display on the monitor will not coincide with the signal strength display of some cellular phones.
- If reception between callers is unclear, adjusting the incoming or outgoing call volume may improve the clarity. See "Call volume" in this section.

#### REGULATORY INFORMATION

FCC Regulatory information

- CAUTION: To maintain compliance with FCC's RF exposure guidelines, use only the supplied antenna. Unauthorized antenna, modification, or attachments could damage the transmitter and may violate FCC regulations.
- Operation is subject to the following two conditions:
- 1. This device may not cause interference and

2. this device must accept any interference, including interference that may cause undesired operation of the device.

IC Regulatory information

- Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.
- This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

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Bluetooth®	Bluetooth SIG, Inc.,
	U.S.A. and licensed to
	Xanavi Informatics
	Corporation.

#### VOICE COMMANDS

You can use voice commands to operate various Bluetooth® Hands-Free Phone System features using the NISSAN Voice Recognition system. For more details, see "NISSAN Voice Recognition System" in this section.

Settings	8:00 Эваск
Navigation	Volume & Beeps
Audio	Display
Phone	Clock
Bluetooth	Others
Adjust navigation settings	
	LHA12
IRING PROCE	DURE
Press the SETTI	NG button on the inst

 Press the SETTING button on the instrument panel and touch the "Bluetooth" key on the display.

Monitor, climate, audio, phone and voice recognition systems 4-115

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4-116 Monitor, climate, audio, phone and voice recognition systems

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#### Monitor, climate, audio, phone and voice recognition systems 4-117

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#### HANDSET PHONEBOOK

Many phones will support an automatic download of the cellular phone's phonebook. Since this method allows for up to 1000 numbers to be stored and entries are automatically assigned voice tags by the system, this is a useful function for easy dialing supported by the Voice Recognition system.

Se	ttings > Phone <b>80 411 8:00</b> ( <b>5</b> BACK)
$\left[ \right]$	Edit Vehicle Phonebook
Γ	Delete Phonebook
Γ	Download Handset Phonebook
Γ	Volume & Ringtone
$\square$	Auto Downloaded
Add	d or edit phonebook entries
	LHA13

If your cellular phone supports automatic downloading, the system transfers the handset phonebook automatically by default. To ensure that this feature is activated, press the SETTING button on the instrument panel and touch the "Phone" key. The "Auto Downloaded" selection should have the amber indicator next to the word ON activated. Touch the "Auto Downloaded" key to toggle this feature on or off.

To transfer the handset phonebook to the vehicle manually, follow these steps:

1. Press the SETTING button on the instrument panel.

#### 4-118 Monitor, climate, audio, phone and voice recognition systems

2. Touch the "Phone" key.

3. Touch the "Download Handset Phonebook" key.

Once the handset phonebook is transferred to the vehicle, it can be accessed by pressing the PHONE key on the instrument panel or the we button on the steering wheel, then touching the "Handset Phonebook" key.

Whether the handset phonebook is transferred manually or automatically, the process can take up to five minutes to complete depending on the size of the handset phonebook. See the cellular phone's owner's manual for more details

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5		1
ſ	Vehicle Phonebook	Volume & Ringtone
	Call History	Connect Phone
ſ	Handset Phonebook	Connected Phones
Γ	Dial Number	

#### MAKING A CALL

To make a call, follow the procedure below:

- 1. Press the PHONE button on the instrument panel or the switch on the steering wheel. The "Phone" screen will appear on the display.
- 2. Select one of the following options to make a call:
- Vehicle Phonebook: Select the name from an entry stored in the vehicle phonebook.
- Handset Phonebook: Select the name from an entry stored in the handset phonebook.

- Call History: Select the name from the incoming or outgoing call history.
- Dial Number: Input the phone number manually using a keypad displayed on the screen. For information on how to use the touch screen, see "How to use the touch screen" in this section.
- 3. For all of the methods listed in Step 2 except "Dial Number", dialing commences when the listed name is selected. Dialing commences when "Dial" is selected if the number is inputted manually. The screen changes to the "Call in Progress" screen.
- 4. After the call is over, perform one of the following to finish the call:
  - a. Select the "Hang up" key on the Call in Progress screen and press the ENTER button.
- b. Press the **f** switch on the steering wheel.
- c. When the Call in Progress screen is displayed, press the PHONE button on the instrument panel to hang up. If any other screen is currently displayed, press the PHONE button to display the Call in Progress screen first, then press the PHONE button again to hang up.

e in-	•	
	Phone	®o <b>@@</b> %# 8:00
<u>anu-</u> reen. ouch een"	Incoming Call	Answer Hold Call
n the nces er is es to		Reject Call
the	RECEIVING A CALL	LHA1323
all_in TER	When you hear a phone change to phone mode. To one of the procedures liste	ring, the display will o receive a call, follow ed below.
ering	a. Touch the "Answer" key	y on the display.
<u>dis-</u> the	b. Press the PHONE but panel.	ton on the instrument
<u>other</u> the	c. Press the phone <i>c</i> wheel switches.	button on the steering
the	There are some options av a call. Select one of the f	ailable when receiving following displayed on

Monitor, climate, audio, phone and voice recognition systems 4-119

the screen.

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#### DURING A CALL

There are some options available during a call. Select one of the following displayed on the screen, if necessary:

Hang up: Finish the call.

**Use Handset:** Transfer the call to the cellular phone.

<u>Mute:</u> Mute vour voice to the person.

#### 4-120 Monitor, climate, audio, phone and voice recognition systems

#### Keypad:

Brings up a keypad; enter digits when needed. For example, entering your PIN number for voicemail.

#### NOTE:

LHA1324

Pushing the TALK 🔬 switch on the steering wheel during a call allows numbers and digits to be sent using Voice Recognition.

#### Cancel Mute:

This will appear after the "Mute" key is touched. Mute will be cancelled.

To adjust the person's voice to be louder or quieter, press the volume control switch located on the steering wheel switches or turn the volume control knob on the instrument panel while talking on the phone. This adjustment is also available in the SETTING mode.

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To finish the call, perform one of the following procedures:

- Select the "Hang up" key on the Call in Progress display and press the ENTER button.
- Push the switch on the steering wheel.

When the Call in Progress screen is displayed press the PHONE button on the instrument panel to hang up. If any other screen is currently displayed, press the PHONE button to display the Call in Progress screen first, then press the PHONE button again to hang up.

S	ettings > Phone <b>80 (11) 8:00</b> (DBACK)
$\left[ \right]$	Edit Vehicle Phonebook
	Delete Phonebook
	Download Handset Phonebook
	Volume & Ringtone
Ĺ	Auto Downloaded
Ac	ld or edit phonebook entries
	LHA131

#### PHONE SETTINGS

To set up the Bluetooth® Hands-Free Phone System to your preferred settings, press the SET-TING button on the instrument panel and select the "Phone" key on the display, then press the ENTER button.

#### Edit Vehicle Phonebook:

See "Vehicle Phonebook" in this section for adding, editing and deleting contacts in the vehicle phonebook.

#### Delete Phonebook:

Delete a phonebook stored on the system.

#### Monitor, climate, audio, phone and voice recognition systems 4-121

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#### Download Handset Phonebook:

See "Handset Phonebook" in this section for adding, editing and deleting contacts in the handset phonebook.

$\nabla$	<b>D</b> : 1		10			
7	Ringtone	<u> </u>	1	•••••	·•• 🛨	<u>19</u>
	Incoming Call	(-	••••	•••••	••• +	
	Outgoing Call		-	••••	••• +	$\rangle$
	Automatic Hold				• ON	
	Vehicle Ringtone				• ON	]6
						7È
					1/5	

#### Volume & Ringtone:

Adjust the volume level of the ringtone, incoming call sound and outgoing call sound. When the "Automatic Hold" option is turned on, an incoming call will be placed on hold automatically after several rings. When the "Vehicle Ringtone" option is turned on, a specific ringtone that is different from the cellular phone's will sound when receiving a call.

#### Auto Downloaded:

See "Handset Phonebook" in this section for information about automatically downloading the handset phonebook.

Settings > Bluetooth 🛞 🎟 🖬 8:00 🗩	аск)
	<u> </u>
Connect Bluetooth	$\mathbf{O}$
Connected Devices	
Edit Bluetooth Info	
Replace Connected Phone	$\odot$
///////////////////////////////////////	۲
LHA	41316

#### BLUETOOTH SETTINGS

To set up the Bluetooth<sup>®</sup> Hands-Free Phone System to your preferred settings, press the SET-TING button on the instrument panel and select the "Bluetooth" key on the display, then press the ENTER button.

#### Bluetooth:

LHA1325

Turn the Bluetooth<sup>®</sup> system on or off.

#### Connect Bluetooth:

See "Pairing procedure" in this section for more information about pairing a phone.

#### 4-122 Monitor, climate, audio, phone and voice recognition systems

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#### **Connected Devices:**

Display a list of the Bluetooth<sup>®</sup> devices connected to the system.

#### Edit Bluetooth Info:

Check information about the device name, device address and device PIN.

#### Replace Connected Phone:

Replace the phone currently connected to the system.

	Audio Volume	<- I	•••••	••••••	F) (
t	Guidance Volume	<u>(-</u> )	•••••	••••••	
Ī	Ringtone	<u> </u>	•••••	••••••	Ð
I	Incoming Call	(- I	•••••	•••••• [-	Ð
Γ	Outgoing Call		-	••••  [-	Ð
				1/7	- ( <b>e</b>

You can also adjust the volume of an incoming voice during a call by pushing the volume control switch on the steering wheel or by turning the volume control knob on the instrument panel.

#### CALL VOLUME

П

Adjusting the incoming or outgoing call volume may improve clarity if reception between callers is unclear.

LHA1253

- Incoming call adjusting this setting allows you to hear a difference in volume.
- Outgoing call adjusting this setting allows the person you are talking with to hear a difference in volume.

To access the settings, press the SETTING button, then highlight "Volume & Beeps" using the NISSAN controller and press the ENTER button,

Monitor, climate, audio, phone and voice recognition systems 4-123

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Note to reviewers: Please confirm that Canada vehicles default to the Alternate command mode for Voice Recognition and that US vehicles default to the Standard command mode for Voice Recognition. Also, are both modes available for US and Canada, the only difference being which mode the system defaults to?

#### NISSAN VOICE RECOGNITION SYSTEM (if so equipped)

NISSAN Voice Recognition allows hands-free operation of the systems equipped on this vehicle, such as phone and vehicle information.

There are two voice recognition modes of operation available. They are:

- Standard Mode
- Alternate Command Mode

In Standard Mode (the factory default setting), commands that are available are always shown on the display and announced by the system. You can complete your desired operation by simply following the prompts given by the system. In this mode, hands-free operation of Audio Climate Control and Display is not available through NISSAN Voice Recognition.

For advanced operation, you can change to an Alternate Command Mode that enables the operation of the display, audio, and climate control through NISSAN Voice Recognition. When this mode is active, an expanded list of commands can be spoken after pushing the TALK w switch on the steering wheel, and the voice command menu prompts are turned off.

In Alternate Command Mode the recognition success rate may be affected because the number of available commands and the ways of speaking each command are increased. See

4-124 Monitor, climate, audio, phone and voice recognition systems

"NISSAN Voice Recognition Alternate Command Mode" in this section.

To improve the recognition success rate when Alternate Command Mode is active, try using the Speaker Adaptation Function available in that mode. See "Speaker Adaptation Function" later in this section. Otherwise, it is recommended that Alternate Command Mode be turned off and Standard Mode be used for the best recognition performance.

For the voice commands for the navigation system, refer to the Navigation System Owner's Manual of your vehicle.

For vehicles in the U.S., the factory default setting is the Standard Mode. See "Standard Mode" in this section. For vehicles in Canada, the factory default setting is the Alternate Command Mode. See "Alternate Command Mode" in this section.

### NISSAN VOICE RECOGNITION STANDARD MODE

The Standard Mode enables control of navigation, phone and vehicle information. With this setting active, commands that are available are always shown on the display and announced by the system.

#### Displaying user guide

If you use the NISSAN Voice Recognition system for the first time or you do not know how to operate it, you can display the User Guide for confirmation.

You can confirm how to use voice commands by accessing a simplified User Guide, which contains basic instructions and tutorials for several voice commands.

 Image: Construct of the system
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In	formation > User Guide	8:00 (DBACK)
Γ	Getting Started	
Ī	Let's Practice	
1	Using the Address Book	
	Finding a Street Address	
	Placing Calls	
Γ	Help on Speaking	 /¥)
		1/6
		LHA1

- Highlight the "Others" key using the NISSAN controller and press the ENTER button.
- Highlight the "Voice Recognition" key using the NISSAN controller and press the ENTER button.

#### NOTE:

### You can skip steps 1 to 3 by pressing the Cost switch and saying "Help".

- 4. Highlight the "User Guide" key using the NISSAN controller and press the ENTER button.
- 5. Highlight an item using the NISSAN controller and press the ENTER button.

#### Available items:

Getting Started

Describes the basics of how to operate the Voice Recognition system.

Let's Practice

Initiates a practice session that demonstrates how to improve voice recognition by the system.

Using the Address Book

Tutorial for using the Address Book

Finding a Street Address

Tutorial for entering a destination by street address.

Placing Calls

Tutorial for making a phone call by voice command operation.

Help on Speaking

Displays useful tips of speaking for correct command recognition by the system.

Monitor, climate, audio, phone and voice recognition systems 4-125

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using Voice Recognition.

view tutorials on how to perform these operations

	ompt you to say a phone number. After you say e number, the system will provide feedback to prove voice recongnition. hen you are ready, push the TALK switch.
--	---

8:00 (SBACK)

Information > User Guide

#### Let's Practice

The system is equipped with a tutorial that allows you to practice saying commands and receive feedback on the volume, speed and timing of your speech.

 Highlight "Getting Started" and press the ENTER button.

Before using the Voice Recognition system for the first time, you can confirm how to use com-

mands by viewing the Getting Started section of

the User Guide.

2. You can confirm the page by scrolling the screen using the NISSAN controller.

#### Tutorials on the operation of the Voice Recognition system

<u>If you choose "Finding a Street Address", "Using</u> the Address Book" or "Placing Calls", you can

4-126 Monitor, climate, audio, phone and voice recognition systems

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To initiate a practice session, access the Use Guide and touch the "Let's Practice" key. Follow the on-screen prompts until the session is complete. After the session is completed, a screen will be displayed that shows an analysis of different elements of your speech. Touch the "Try Again" to repeat the session if improvement is needed. Touch the "Done" key to return to the User Guide screen.



#### Useful tips for correct operation

You can display useful speaking tips to help the system recognize your voice commands correctly.

- 1. Highlight "Help on Speaking" and press the ENTER button.
- 2. You can confirm the page by scrolling the screen using the NISSAN controller.

Settings > voice Recognition	O.UU (DBACK)
User Guide	
Alternate Command Mode	• ON
(	1/2
Guide the usage of Voice Recognition	

#### Voice recognition settings

The available settings of the NISSAN Voice Recognition system are described.

- 1. Highlight "Voice Recognition Settings" and press the ENTER button.
- 2. You can confirm the page by scrolling the screen using the NISSAN controller.

Monitor, climate, audio, phone and voice recognition systems 4-127

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### USING THE SYSTEM

When the ignition switch is placed in the ON position, NISSAN Voice Recognition is initialized, which takes a few seconds. When completed, the system is ready to accept voice commands. If the system is ready to accept voice commands. If the system is ready to accept voice commands will not be accepted. Please wait until the NISSAN Voice Recognition initialization is completed.

#### **BEFORE STARTING**

To get the best recognition performance from Voice Recognition, observe the following:

- The interior of the vehicle should be as quiet as possible. Close the windows to eliminate the surrounding noises (traffic noise and vibration sounds, etc.), which may prevent the system from correctly recognizing the voice commands.
- Wait until the tone sounds before speaking a command.
- Speak in a natural conversational voice without pausing between words.
- If the air conditioner is set to "Auto", the fan speed is automatically lowered so that your commands can be recognized more easily.

4-128 Monitor, climate, audio, phone and voice recognition systems



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#### Operating tips

- Say a command after the tone. Voice commands cannot be accepted when the icon is \_\_\_\_\_
- Commands that are available are always shown on the display and spoken through voice menu prompts. Commands other than those that are displayed are not accepted. Please follow the prompts given by the system.
- If the command is not recognized, the system repeats the announcement. Repeat the command in a clear voice.
- Press the <u>v</u> switch on the steering wheel to return to the previous screen.
- If you want to cancel the command, press and hold the ∞ switch. The message, "Voice cancelled" will be announced.

 If you want to adjust the volume of the system feedback, push the volume control switch on the steering wheel or use the audio system volume knob while the system is making an announcement.

How to speak numbers

Voice Recognition requires a certain way to speak numbers when giving voice commands. Refer to the following examples.

#### General rule:

- Only single digits 0 (zero) to 9 can be used.
- When saying the phone number 800-662-6200, the system will accept "eighthundred" in addition to "eight zero zero" or "eight oh oh". 500, 700, and 900 are also supported.

#### Examples:

- 1-800-662-6200
  - "One eight zero zero six six two six two zero zero"

 "One eight hundred six six two six two zero zero"

#### Improving Recognition of Phone numbers:

You can improve the recognition of phone numbers by saying the phone number in three groups of numbers. For example, when you try to call 800-662-6200, say "eight zero zero" first, and the system will then ask you for the next three digits. Then, say "six six two". After recognition, the system will then ask for the last four digits. Say, "six two zero zero". Using this method of phone digit entry can improve recognition performance.

#### NOTE:

When speaking a house number, speak the number "0" as "zero" or "oh". If the letter "O" is included in the house number, it will not be recognized as "0" even if you speak "oh" instead of "zero".

Standard Mode command list

Category Command:

COMMAND	ACTION
Phone	Displays Phone function commands.
Navigation	Displays Navigation function commands.
Information	Displays Vehicle Information.

Monitor, climate, audio, phone and voice recognition systems 4-129

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COMMAND	ACTION
Audio	Displays Audio commands.
Help	Displays User Guide.

#### Phone Command:

COMMAND	ACTION
<u>Dial Number</u>	Makes a call to a spoken phone number up to 10 digits.
<u>Change Number</u>	Corrects the phone number when it is not recognized (available during phone number entry).
Vehicle Phonebook	Makes a call to a contact that is stored in the vehicle phonebook.
Handset Phonebook	Makes a call to a contact that is stored in the handset phonebook.
Call History	Makes a call to a number in the incoming or outgoing call logs.
International Call	Makes an international call by allowing more than 10 digits to be spoken, as well as star (*), pound (#), and plus (+),

#### Navigation Command:

COMMAND	ACTION
Home	Sets a route to your home that is stored in the Address Book.
Address	Searches for a location by the street address specified, and sets a route (for continental US and Canada only).
Places	Sets a route to a facility near the current vehicle location.
Address Book	Searches for a location stored in the Address Book.
Previous Destinations	Sets a route to a previous destination.

#### Vehicle Information Command:

COMMAND	ACTION
Fuel Economy	Displays Fuel Economy information.
<u>Maintenance</u>	Displays Maintenance information.

4-130 Monitor, climate, audio, phone and voice recognition systems

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COMMAND	ACTION
Traffic Info.	Turns the traffic information system on and off.
Where am I?	Displays current vehicle location.

#### Audio Command:

COMMAND	ACTION
АМ	Changes the audio system mode to AM radio.
EM	Changes the audio system mode to FM radio.
ХМ	Changes the audio system mode to satellite radio.
Music Box	Changes the audio system mode to Music Box.
CD	Changes the audio system mode to CD.

#### Voice command examples

Some basic voice command examples are described here.

For navigation system commands, see the separate Navigation System Owner's Manual.



#### Example 1 — Placing a call to the phone number 800-662-6200:

 Press the w<sup>2</sup> switch located on the steering wheel.

Monitor, climate, audio, phone and voice recognition systems 4-131

 

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3. Say "Phone".

4-132 Monitor, climate, audio, phone and voice recognition systems

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- You can only say a phone number using the 3-3-4 grouping, 7 digits, and 10 digits using this command. Please use the "International Call" command for all other formats, and when special characters such as star (\*), pound (#), and plus (+) need to be entered.
- If you say "Change Number" during phone number entry, the system will automatically request that you repeat the number using the 3-3-4 format. In this case please say the area code first and then follow the prompts.
- Do not add a "1" in front of the area code when speaking phone numbers.
- If the system does not recognize your command, please try repeating the command using a natural voice. Speaking too slow or too loudly may further decrease recognition performance.



4-134 Monitor, climate, audio, phone and voice recognition systems

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#### Monitor, climate, audio, phone and voice recognition systems 4-135

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#### NISSAN VOICE RECOGNITION ALTERNATE COMMAND MODE

The Alternate Command Mode enables control of the Audio, Climate Control and Display systems as well as additional commands for the Vehicle Information, Phone and Navigation systems. With this setting active, the system does not announce or display the available commands at each step.

When Alternate Command Mode is activated, an expanded list of commands can be used after pushing the TALK switch. Under this mode, the screen for Standard Mode commands is not available on the display. Please review the expanded command list, available when this mode is active, as some Standard Mode commands are replaced. Please see examples of Alternate Command Mode screens.

Please note that in this mode the recognition success rate may be affected as the number of available commands and ways of speaking each command are increased. You can turn this mode ON or OFF. When this mode is activated, the Voice Recognition Settings will change to show more options.

Settings > Others 8:00 (DBACK)	Settings > Voice Recognition 8:00 (DBACK)
Comfort Language & Units Voice Recognition Carnera Image Viewer 1/5	User Guide Alternate Command Mode 0N 1/2 Guide the usage of Voice Recognition
LHA1248	LHA1331
ctivating Alternate Command Mode	4. Highlight the "Alternate Command Mode"
. Press the SETTING button on the instru- ment panel.	5. The confirmation message is displayed on
<ol> <li>Highlight the "Others" key on the display and then press the ENTER button.</li> </ol>	the screen. Select the "Yes" key and press the ENTER button to activate the Alternate Command Mode.

3. Highlight the "Voice Recognition" key and then press the ENTER button.

4-136 Monitor, climate, audio, phone and voice recognition systems

 Image: Solution of the system
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 Alternate Command Mode is activated and the setting menu is expanded to include the Alternate Command Mode options. See "Settings menu" in this section for an explanation of the options.

#### Displaying the command list

If you are controlling the system by voice commands for the first time or do not know the appropriate voice command, perform the following procedure for displaying the voice command list (available only in Alternate Command Mode).

Press the ½ switch, listen for the tone and say, "Help". The system will respond by displaying the command list main menu.

Information > Command List 8:00 (SBACK)
Phone Commands
Navigation Commands
Information Commands
Audio Commands
Help Commands
1/5
Push the TALK switch to start Voice Recognition
LHA1342
<u>Inly manual controls such as the touch scree</u>

<u>Only manual controls such as the touch screer</u> an navigate the command list menu.

As an alternative to the voice command "Help", you may access the command list using the following steps:

#### Information 8:00 (DBACK) Fuel Economy Weather Info Maintenance Map Update Where am I? Navigation Version Traffic Info Others Show distance to empty and fuel economy LHA1231 1. Press the INFO button on the instrument panel. Highlight the "Others" key using the NISSAN controller and press the ENTER button.

3. Highlight the "Voice Recognition" key using the NISSAN controller and press the ENTER button.

Monitor, climate, audio, phone and voice recognition systems 4-137

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#### NOTE:

#### You can skip steps 1 to 3 if you say "Help".

4. Highlight the "Command List" key using the NISSAN controller and press the ENTER button.

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0

- Highlight a category using the NISSAN controller and press the ENTER button. The command list for the category selected is shown.
- 6. If necessary, scroll the screen using the NISSAN controller to view the entire list.
- 7. Press the BACK button to return to the previous screen.
- Alternate Command Mode command

#### Navigation Command:

COMMAND	ACTION	
Home	Sets a route to your home that is stored in the Address Book.	
Address	Searches for a location by the street address specified, and sets a route (for continental US and Canada only).	
Places	Sets a route to a facility near the current vehicle location.	
Address Book	Displays the first 5 entries of the Address Book.	
Previous Destinations	Sets a route to a previous destination.	
Previous Start Point	Calculates a route to your previous starting point of the last route.	
Minimize Freeway Route	Recalculates a route to the current destination while minimizing freeway usage.	
Eastest Route	Recalculates a route to the current destination using the fastest estimated time.	
Shortest Route	Recalculates a route to the current destination using the shortest distance.	
Cancel Route	Cancels the current route.	
Delete Destination	Deletes the current destination.	

4-138 Monitor, climate, audio, phone and voice recognition systems

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COMMAND	ACTION	
Birdview Map	Changes the Map display to Birdview.	
Planview Map	Changes the Map display to a 2-dimensional view.	
North Up	Changes the Map display to keep north pointing up on the screen.	
Heading Up	Changes the Map display to keep the direction of the vehicle pointing up on the screen.	
<u>Zoom In &lt;1 to 13&gt;</u>	Changes the map scale to a smaller number.	
Zoom Out <1 to 13>	Changes the map scale to a larger number.	
Guidance Voice ON/OFF	Turns the navigation voice guidance on or off.	
Guide Voice Repeat	Repeats the last navigation voice guidance.	

#### Phone Command:

COMMAND	ACTION
<u>Dial Number</u>	Makes a call to a spoken phone number up to 10 digits.
Vehicle Phonebook	Makes a call to a contact in the vehicle phonebook.
Handset Phonebook	Makes a call to a contact in the handset phonebook.
International Call	Makes an international call by allowing more than 10 digits to be spoken, as well as star (*), pound (#), and plus (+).
Incoming Calls	Shows the last 5 incoming phone calls.
Outgoing Calls	Shows the last 5 outgoing phone calls.
Missed Calls	Shows the last 5 missed phone calls.

#### Audio Command:

COMMAND	ACTION
АМ	Turns to the AM band, selecting the station last played.
EM	Turns to the FM band, selecting the station last played.

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COMMAND	ACTION
ХМ	Turns to the SAT band, selecting the station last played.
Music Box	Turns to the Music Box hard-disk drive audio system.
CD	Starts to play a CD.
<u>USB</u>	Turns to the USB audio input.
Bluetooth Audio	Turns to the Bluetooth® audio system.
AUX	Turns to the AUX input.

#### Vehicle Information Command:

COMMAND	ACTION
Fuel Economy	Displays Fuel Economy information.
Maintenance	Display Maintenance information.
Traffic Information	Turns the traffic information system on and off.
Where am I?	Displays the current vehicle location.
Weather Information	Displays weather information.
Weather Map	Displays the current weather map.

#### Displaying user guide

You can confirm how to use voice commands by accessing a simplified User Guide, which contains basic instructions and tutorials for several voice commands.

- 1. Press the INFO button on the instrument panel.
- 2. Highlight the "Others" key using the NISSAN controller and press the ENTER button.
- Highlight the "Voice Recognition" key using the NISSAN controller and press the ENTER button.
- Highlight the "User Guide" key using the NISSAN controller and press the ENTER button.
- 5. Highlight an item using the NISSAN controller and press the ENTER button.
- Available items:
- Getting Started

Describes the basics of how to operate the Voice Recognition system.

Let's Practice

4-140 Monitor, climate, audio, phone and voice recognition systems

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	Using the Address Book
	Finding a Street Address
	Placing Calls
	Help on Speaking
	Voice Recognition Settings
	Adapting the System to Your Voice
-	3/8
_	
	LHA1344
	Displays useful tips for how to correctly speak commands in order for them to be properly recognized by the system.
•	Voice Recognition Settings
	Describes the available Voice Recognition settings.
•	Adapting the System to Your Voice
	Tutorial for adapting the system to your voice.

### USING THE SYSTEM

When the ignition switch is placed in the ON position, NISSAN Voice Recognition is initialized, which takes a few seconds. When completed, the system is ready to accept voice commands. If the system is ready to accept voice commands.

#### Before starting

To get the best performance from NISSAN Voice Recognition, observe the following:

- Keep the interior of the vehicle as quiet as possible. Close the windows to eliminate the surrounding noises (traffic noises, vibration sounds, etc.), which may prevent the system from recognizing the voice commands correctly.
- When the climate control is in the AUTO mode, the fan speed decreases automatically for easy recognition.
- Wait until a tone sounds before speaking a command.
- Speak in a natural voice without pausing between words.

Monitor, climate, audio, phone and voice recognition systems 4-141

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4-142 Monitor, climate, audio, phone and voice recognition systems

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 To minimize the amount of prompts spoken by the system in Alternate Command Mode, use the Minimize Voice Feedback function. To access the Minimize Voice Feedback function press the SETTING button, then select the "Others" key using the NISSAN controller and press the ENTER button. Then select the "Voice Recognition" key using the NISSAN controller and press the ENTER button.

#### How to speak numbers

Voice Recognition requires a certain way to speak numbers when giving voice commands. Refer to the following examples.

#### General rule:

- Only single digits 0 (zero) to 9 can be used.
- When saying the phone number 800-662-6200, the system will accept "eighthundred" in addition to "eight zero zero" or "eight oh oh". 500, 700, and 900 are also supported.

#### Examples:

- 1-800-662-6200
  - "One eight zero zero six six two six two zero zero"

 "One eight hundred six six two six two zero zero"

#### Improving Recognition of Phone numbers:

You can improve the recognition of phone numbers by saying the phone number in three groups of numbers. For example, when you try to call 800-662-6200, say "eight zero zero" first, and the system will then ask you for the next three digits. Then, say "six six two". After recognition, the system will then ask for the last four digits. Say, "six two zero zero". Using this method of phone digit entry can improve recognition performance.

#### NOTE:

When speaking a house number, speak the number "0" as "zero" or "oh". If the letter "O" is included in the house number, it will not be recognized as "0" even if you speak "oh" instead of "zero".

#### Settings menu

The content of the Settings Menu differs when the system is in the Alternate Command Mode.

#### **Command List:**

Displays the command list for Alternate Command Mode.

#### **User Guide:**

The user guide provides basic instructions for using Voice Recognition and accessing some voice commands.

#### NOTE:

### The user guide can also be accessed from within the INFO menu after pressing the INFO button.

#### **Speaker Adaptation:**

Starts a system training procedure to learn the specific sounds of your voice. See "Speaker adaptation function" in this section.

#### Alternate Command Mode:

For advanced operation, an Alternate Command Mode is provided. This setting enables control of the Audio and Climate Control systems in addition to additional commands for the Phone and Navigation systems. With this setting active, the system does not announce or display the available commands at each step. When this mode is activated, the Voice Recognition Settings will change to show more options.

#### Minimize Voice Feedback:

Reduces the amount of the information spoken for each voice instruction.

Monitor, climate, audio, phone and voice recognition systems 4-143

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Settings > Voice Recognition 8:00 (DBACK)
Command List
User Guide
Speaker Adaptation
Alternate Command Mode
Minimize Voice Feedback
4/5
Change the mode of Voice Recognition
LHA13
SPEAKER ADAPTATION FUNCTION

The Voice Recognition system has a function to learn the user's voice for better voice recognition performance. The system can memorize the voices of up to three persons.

Having the system learn the user's voice

- Press the SETTING button on the instrument panel, highlight the "Others" key on the display and then press the ENTER button.
- 2. Highlight the "Voice Recognition" key and then press the ENTER button.
- 4-144 Monitor, climate, audio, phone and voice recognition systems
  - Image: Solution of the system
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3. Highlight the "Speaker Adaptation" key and then press the ENTER button.

5	Settings > Speaker Adaptation	8:00 (ЭВАСК)	
F			
	User 1	None	
	User 2	None	
	User 3	None	
Ľ		1/3	
Ŀ	earning result can be stored, deleted, e	edited	
		LHA1346	
4.	4. Select the user whose voice is to be memo-		
	rized by the system and press the ENTER button.		

Ľ	ettings > Speaker Adaptation	8:00 (SBACK)
7		
	Setting	User 1
	Start Speaker Adaptation Learning	
6		1/2
Ρι	ish the ENTER switch to select	
_		

- 5. Select a category to be learned by the system from the following list and then press the ENTER button.
  - Navigation
  - Audio
  - Phone
  - Information
  - Help
  - The voice commands in the category are displayed.
- Select a voice command to train and then press the ENTER button.

The Voice Recognition system starts.

Settings > Speaker Adaptation 8:00 (DBACK)
w [
① Music Box Changes the source of the audio system to the Music Box
Alternate Command Mode ON
To exit, hold the TALK switch
LHA1348
7. The system requests that you repeat a com-
mand after a tone. This command is also displayed on the screen.
8. After the tone sounds and the icon on the
screen changes from 🕒 to 🖳 , speak the command that the system requested.
<ol> <li>When the system has recognized the voice command, the voice of the user is learned.</li> </ol>
Press the 🔬 switch or the BACK button to return to the previous screen.
If the system has learned the command correctly the voice command indicator on the screen turns on.

Monitor, climate, audio, phone and voice recognition systems 4-145

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Edi	t Name	User 1
Res	set Result	
Coi	ntinuous Learning	• ON
$\square$		
		1/3

#### TROUBLESHOOTING GUIDE

The system should respond correctly to all voice commands without difficulty. If problems are encountered, follow the solutions given in this guide for the appropriate error.

Where the solutions are listed by number, try each solution in turn, starting with number one, until the problem is resolved.

Speaker Adaptation function settings

#### Edit Name:

Edit the user name using the keypad displayed on the screen.

#### Reset Result:

Resets the user's voice that the Voice Recognition system has learned.

#### Continuous Learning:

When this item is turned to ON, you can have the system learn the voice commands in succession, without selecting commands one by one.

4-146 Monitor, climate, audio, phone and voice recognition systems

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Symptom/error message	Solution
Displays "COMMAND NOT RECOG- NIZED" or the system fails to interpret the command correctly.	<ol> <li>Ensure that the command format is valid, see "Standard Mode command list" or "Alternate Command Mode command list" in this section.</li> <li>Speak clearly using your normal speech pattern and at a level appropriate to the ambient noise level.</li> <li>Ensure that the ambient noise level is not excessive, for example, windows open or defrost on.</li> </ol>
	NOTE:
	If it is too noisy to use the phone, it is likely that voice commands will not be recognized.
The system consistently selects the wrong voicetag in the phonebook.	<ol> <li>Ensure that the voicetag requested matches what was originally stored. See "Bluetooth® Hands-Free Phone System with Navigation <u>System</u>" in this section.</li> <li>Replace one of the voicetags being confused with a different voicetag.</li> </ol>

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**MEMO** 

4-148 Monitor, climate, audio, phone and voice recognition systems